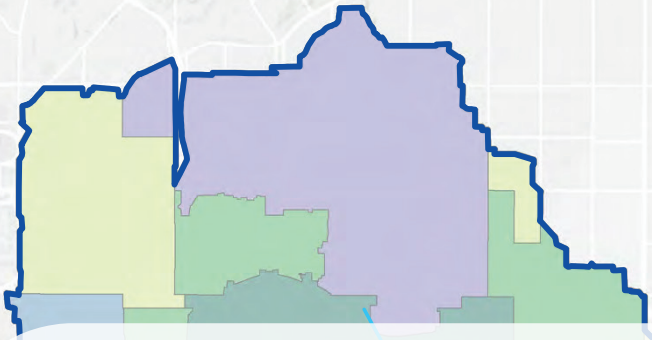
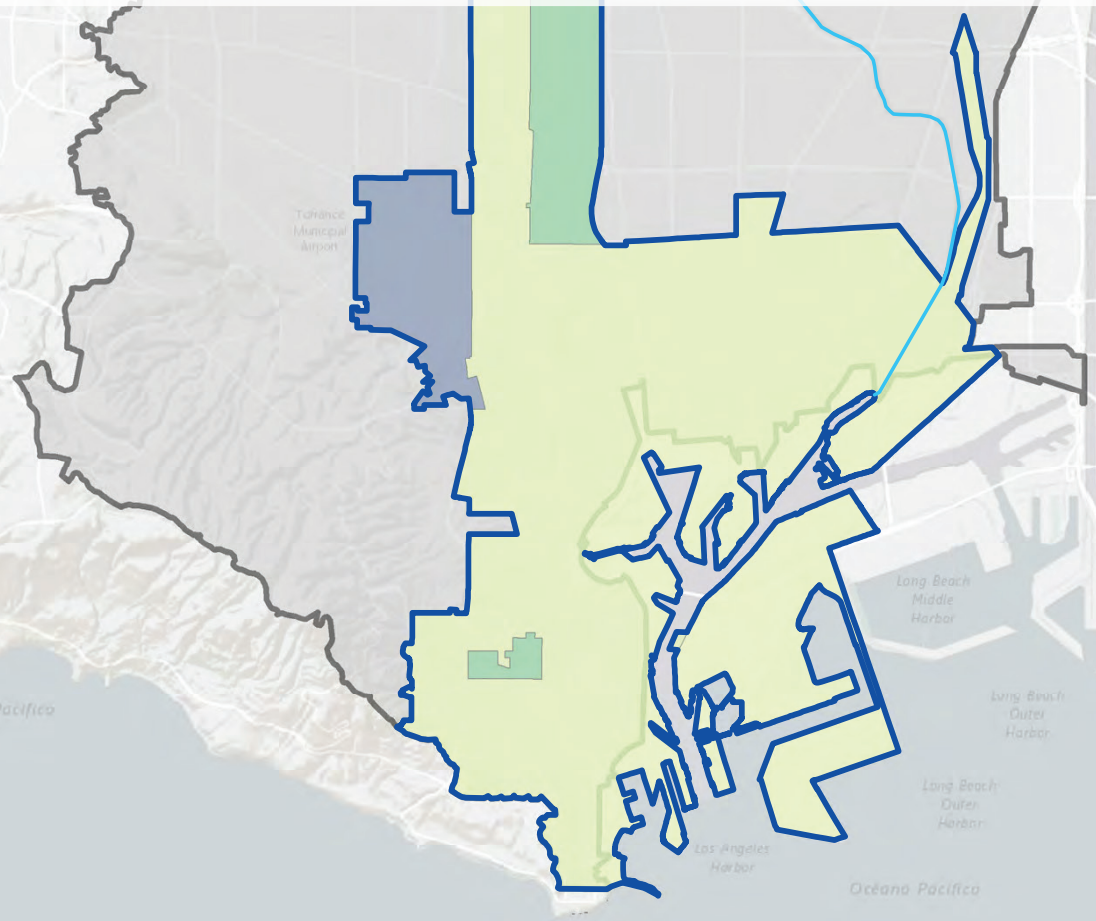


Enhanced Watershed Management Program

for the

Dominguez Channel Watershed Management Area Group

FINAL



JUNE 2015

PAGE INTENTIONALLY LEFT BLANK

Table of Contents

List of Figures

List of Tables

Attachments

Acronyms

ARS	Automatic Retractable Screen
ASCE	American Society of Civil Engineers
BMP	Best Management Practice
BOE	Bureau of Engineering
CASQA	California Stormwater Quality Association
CEQA	California Environmental Quality Act
CIMIS	California Irrigation Management Information System
CO	Current Organics
CPI	Catchment Priority Index
CPS	Connector Pipe Screen
CTR	California Toxics Rule
CWA	Clean Water Act
DC WMA	Dominguez Channel Watershed Management Area
DC WMG	Dominguez Channel Watershed Management Group
DWMMP	Dominguez Watershed Management Master Plan
EMC	Event Mean Concentration
ERL	Effect Range Low
ERM	Effect Range Median
ETo	Evapotranspiration
EWMP	Enhanced Watershed Management Program
GIS	Geographic Information System
GLAC	Greater Los Angeles County
GPS	Global Positioning System
HHWC	Household Hazardous Waste Collection
HO	Historical Organics
HRU	Hydrologic Response Units
HSPF	Hydrologic Simulation Program - FORTRAN
IC/ID	Illicit Connection/Illicit Discharge
IGP	Industrial General Permit
IRWMP	Integrated Regional Watershed Management Plan
LABOS	Los Angeles Bureau of Sanitation
LACDPW	Los Angeles County Department of Public Works
LACFCD	Los Angeles County Flood Control District
LARWQCB	Los Angeles Regional Water Quality Control Board
LB	Long Beach
LID	Low Impact Development
LSPC	Loading Simulation Program in C++
LWQMP	Lake Water Quality Management Plan
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MFAC	Minimum Frequency of Assessment and Collection
MOA	Memorandum of Agreement

MS4	Municipal Separate Storm and Sewer System
NCDC	National Climatic Data Center
NEXGEN	Next Generation Radar
NIMS	Nonlinearity-Interval Mapping Scheme
NOI	Notice of Intent
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System
PIPP	Public Information and Participation Program
POLA	Port of Los Angeles
POLB	Port of Long Beach
PPP	Pollution Prevention Plan
QA/QC	Quality Assurance/Quality Control
RAA	Reasonable Assurance Analysis
RWL	Receiving Water Limitation
SBPAT	Structural BMP Prioritization and Analysis Tool
SCCWRP	Southern California Coastal Water Research Project
SIC	Standard Industrial Classification
SQO	Sediment Quality Objectives
SRP	Spill Response Plan
SUSMP	Standard Urban Stormwater Mitigation Plan
SUSTAIN	System for Urban Stormwater Treatment and Analysis Integration
SWAMP	Surface Water Ambient Monitoring Program
SWMM	Storm Water Management Model
SWPPP	Stormwater Pollution Prevention Plan
TAC	Technical Advisory Committee
TBD	To Be Determined
TIWRP	Terminal Island Water Reclamation Plant
TMDL	Total Maximum Daily Load
TSO	Time Schedule Order
USEPA	United States Environmental Protection Agency
WBPC	Water Body-Pollutant Combination
WDR	Waste Discharge Requirement
WLA	Waste Load Allocation
WMA	Watershed Management Area
WMMS	Watershed Management Modeling System
WMP	Watershed Management Program
WQBEL	Water Quality Based Effluent Limitation
WQO	Water Quality Objective

Units

µg/kg	Microgram per kilogram
µg/L	Microgram per liter
cfu	Colony Forming Unit
g/day	Grams per day
g/yr	Grams per year
kg	Kilogram
kg/yr	Kilograms per year
mg/L	Milligram per liter
mg/kg	Milligram per kilogram
mL	Milliliter
MPN	Most Probable Number
TUc	Toxic Unit Chronic

1. Introduction

The Dominguez Channel Watershed Management Area Group (DC WMG) has developed this Enhanced Watershed Management Program (EWMP) pursuant to the requirements set forth by Order No. R4-2012-0175, Los Angeles County Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit (MS4 Permit). This section describes the applicability of the EWMP, watershed background and geographical characteristics, regulatory requirements set forth by the MS4 Permit, the EWMP development process, and an overview of this EWMP.

1.1 Applicability of EWMP

The agencies participating in this EWMP are the Cities of El Segundo, Hawthorne, Inglewood, Lomita and Los Angeles, the unincorporated areas of the County of Los Angeles, and the Los Angeles County Flood Control District (LACFCD). The area break down for the DC WMG is provided in Table 1-1. Figure 1-1 shows the Dominguez Channel Watershed Management Area (WMA) boundaries and the delineations of the areas of the DC WMG agencies participating in the development of this EWMP. Figure 1-2 illustrates the boundaries of the jurisdictions within the DC WMG area. Additionally other MS4 Permittees in the watershed that are not participating in this EWMP are shown in Figure 1-2. This EWMP is voluntarily submitted to assist the Los Angeles Regional Water Quality Control Board (LARWQCB) in implementing the DC and LA Harbor Waters Toxics Pollutants TMDL[1].

Table 1-1: DC WMG Area

DC WMG Member	Total Area (acres)	Percent of Group
City of El Segundo	1,252.18	3.33%
City of Hawthorne	3,891.93	10.36%
City of Inglewood	3,884.28	10.34%
City of Lomita	1,227.70	3.27%
City of Los Angeles	191,77.30	51.04%
Los Angeles County	8,140.91	21.67%
LACFCD	N/A	N/A
Total	**37,574.30**	**100%**

[1] The DC WMG has entered into an Amended Consent Decree with the United States and the State of California, including the LARWQCB, pursuant to which the LARWQCB has released the DC WMG from responsibility for toxic pollutants in the DC and the harbors (NOAA 1999). Accordingly, no inference should be drawn from the submission of this EWMP or from any action or implementation taken pursuant to it that the DC WMG is obligated to implement the TMDL, including this EWMP or any of the TMDL's other obligations or plans, or that the DC WMG has waived any rights under the Amended Consent Decree. See Attachment A for additional information.

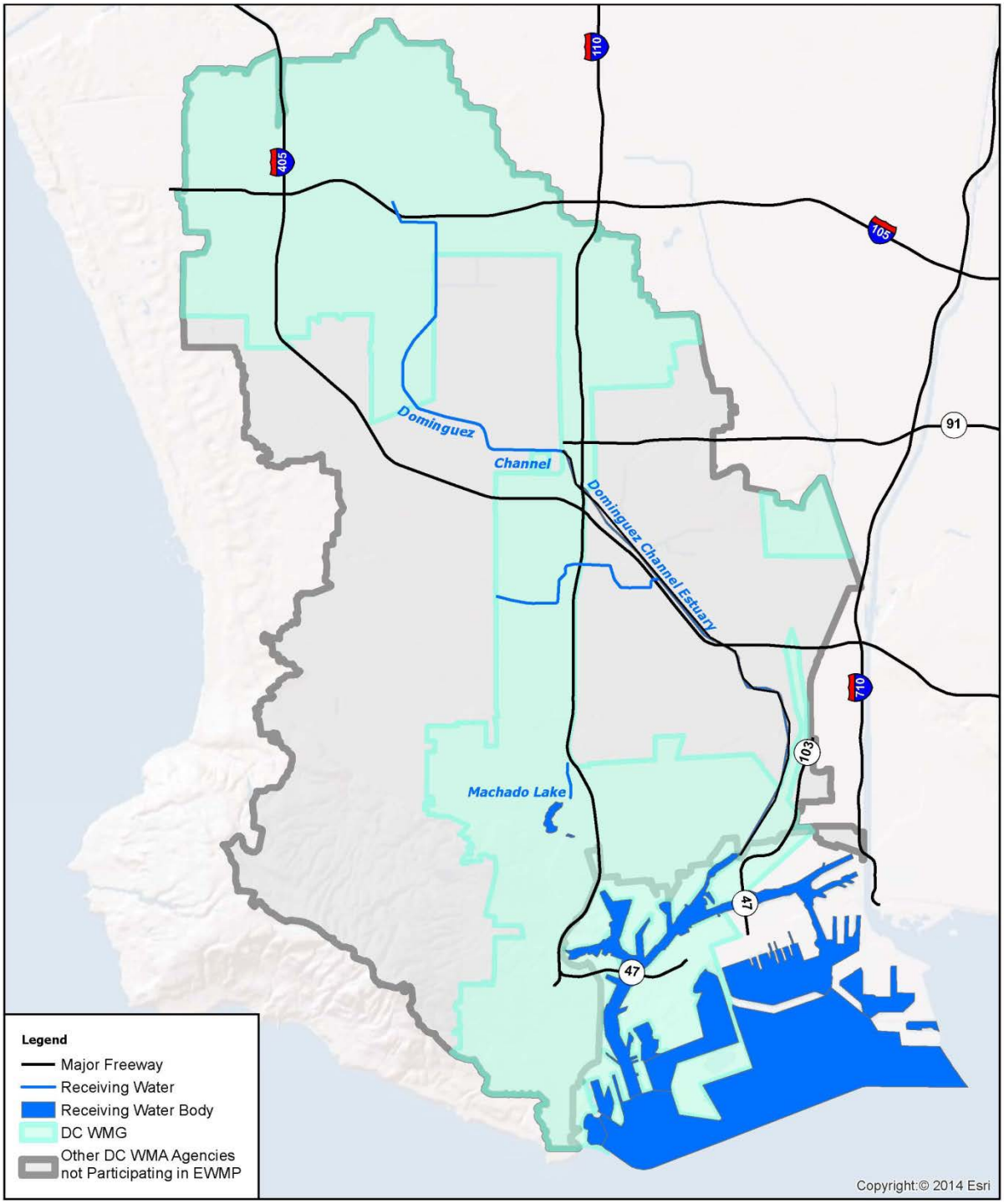


Figure 1-1: Dominguez Channel Watershed Management Area

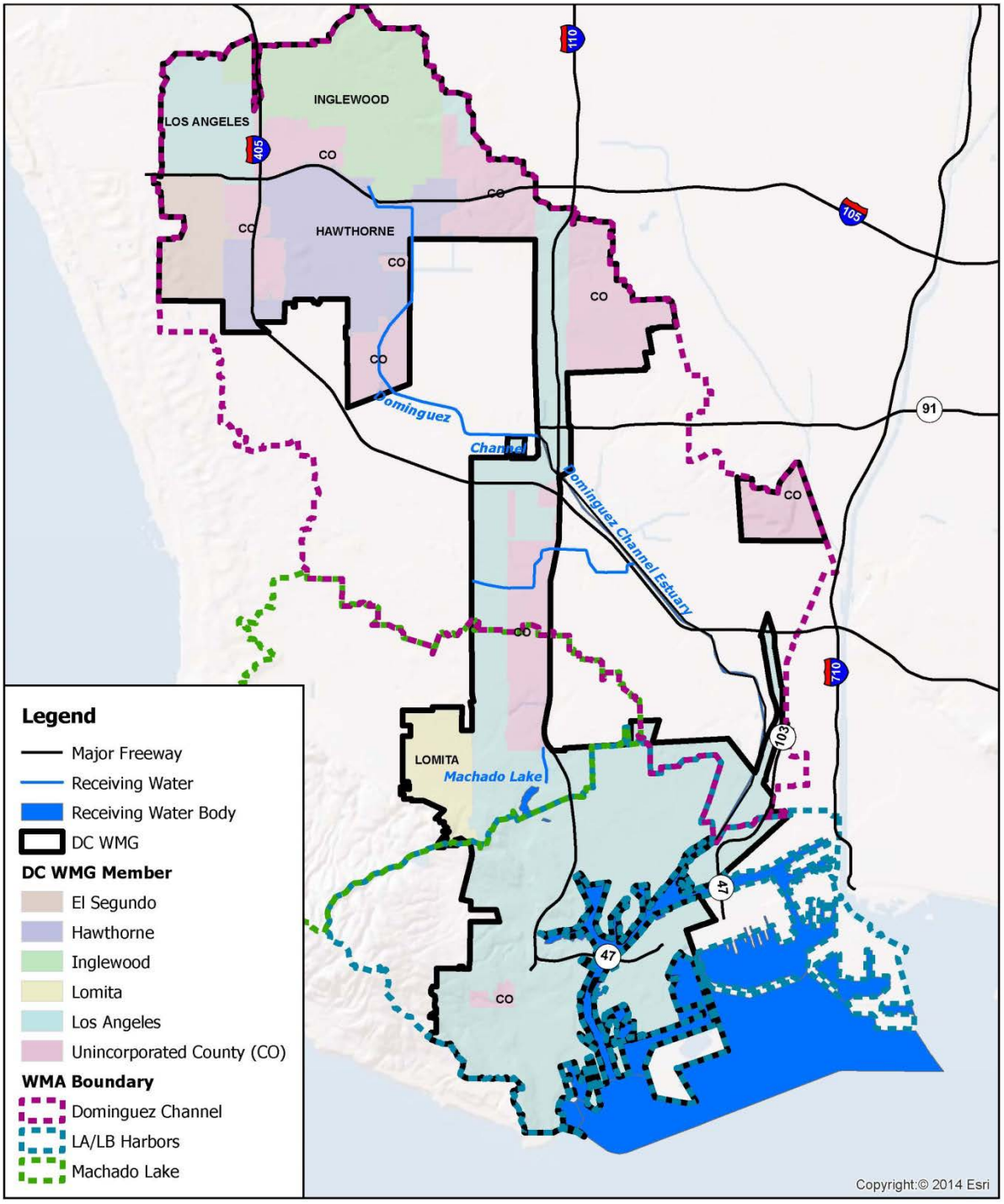


Figure 1-2: DC WMG Jurisdictions

1.2 Geographic Scope and Characteristics

The physical and hydrologic watershed characteristics of the Dominguez Channel WMA are discussed below. In addition, the extent of the MS4 and receiving waters addressed by this EWMP are also discussed.

1.2.1 Watershed Characteristics

The Dominguez Channel WMA is located within the southern portion of Los Angeles County, California, and encompasses approximately 133 square miles of land and water, including the Dominguez Channel Watershed, the Machado Lake Watershed, and the Los Angeles/Long Beach Harbors Watershed as demonstrated in Figure 1-2. The DC WMG accounts for just over 58 square miles, approximately 42 percent of the Dominguez Channel WMA. Table 1-2 and Attachment B, Figure B.3 present the land use break down within the DC WMG.

Table 1-2: DC WMG Land Use

Land Use Category	Area (square miles)	Percentage
Agriculture	0.2	0.3%
Commercial	10.7	18.4%
Industrial	9.1	15.7%
Multi-Family Residential	8.3	14.2%
Single Family Residential	16.1	27.7%
Open	4.6	7.8%
Other Urban	9.3	15.9%
Total	**58.3**	**100%**

The hydrologic characteristics of the DC WMG include:

- Low relief terrain except in the southwest (Attachment B, Figure B.4);
- Fully built-out area with a high percentage of impervious area except in the southwest (Attachment B, Figure B.4);
- Soil types ranging from clay to fine sand based on the Los Angeles County Hydrology Manual (2006) (Attachment B, Figure B.5). Surficial soil infiltration rates ranging from 0.027 to 0.81 inches per hour;
- 50 year, 24 hour storm intensity range from approximately 4.6 inches per hour in the southeast that increases to 6.2 inches per hour in the northwest, as indicated by the 50-year, 24-hour rainfall intensity distribution map (Attachment B, Figure B.6); and
- 85th percentile 24 hour Storm depth ranging from approximately 0.25 inches in the south that increases to the north with a local high point over the Palos Verde Hills of 1.05 inches, as indicated by the 85th percentile, 24-hour rainfall depth distribution map (Attachment B, Figure B.7).

1.2.2 Water Body Characteristics

The DC WMG is tributary to the water bodies listed below, which have been assessed by the State Water Resources Control Board (State Board). A figure illustrating these water bodies can be found in Attachment B, Figure B.8 and Figure B.9 and a summary of the major characteristics can be found in Table 1-3.

- Dominguez Channel
  - Dominguez Channel (lined portion above Vermont Avenue)
  - Dominguez Channel Estuary (unlined portion below Vermont Avenue)
  - Torrance Carson Channel (Torrance Lateral)
- Machado Lake
  - Machado Lake
  - Wilmington Drain
- Los Angeles Harbor
  - Inner Cabrillo Beach
  - Consolidated Slip

1.2.2.1. Dominguez Channel

The lined portion of the Dominguez Channel above Vermont Avenue is 6.7 miles, spanning from West 116th Street near Interstate 105 to Vermont Avenue near Interstate 110 (USEPA, 2014b). Approximately three miles of the lined portion of the Dominguez Channel are within the DC WMG jurisdiction. The Water Quality Control Plan for the Los Angeles Region (LARWQCB, 1994, amended November 10, 2011) (Basin Plan) has identified the existing beneficial uses as RARE and REC-2 and potential beneficial uses as WARM, WILD, and REC-1 for the lined portion of the Dominguez Channel (see footnote for Table 1-3 for definitions of these abbreviations). Further downstream, below Vermont Avenue, is the unlined portion of the Dominguez Channel commonly referred to as the Dominguez Channel Estuary. The Estuary is 8.2 miles in length spanning from the downstream end of the lined portion of the Dominguez Channel to the Los Angeles Harbor, just south of Anaheim Street and west of Interstate 710 (USEPA, 2014b). Approximately 2.2 miles of the Dominguez Channel Estuary is within the DC WMG jurisdiction. The Basin Plan has identified the existing beneficial uses as presented in Table 1-3. The Torrance Carson Channel, also referred to as Torrance Lateral, is 3.4 miles in length and tributary to the Dominguez Channel Estuary. The Torrance Lateral spans from Western Avenue south of Torrance Boulevard to its confluence with the Dominguez Channel Estuary near Avalon Boulevard and Interstate 405. 1.8 miles of the Torrance Lateral is within the DC WMG jurisdiction. The water quality associated with these water bodies is discussed in Section 2 Water Quality Priorities**.**

1.2.2.2. Machado Lake

Machado Lake is considered a freshwater reservoir or lake approximately 40 acres in size located adjacent to Vermont Avenue south of its intersection with Pacific Coast Highway (USEPA, 2014b). Machado Lake is comprised of upper and lower basins separated by a lower earthen dam. The upper basin contains the 40-acre recreational lake created by the impoundment of stormwater runoff while the lower basin is a seasonal freshwater marsh of roughly 63 acres. The Wilmington Drain is a LACFCD facility managed by Los Angeles County Department of Public Works (LACDPW) tributary to Machado Lake. The earthen bottom section is characterized as a soft bottom vegetated channel, approximately 3,000 feet long. This portion of Wilmington Drain spans from Pacific Coast Highway to just north of Lomita Boulevard, bordered by mostly residential land uses to the west and the Interstate 110 to the east. Just south of Interstate 110 and upstream, the channel is concrete lined. Beneficial uses for the Wilmington Drain are not explicitly defined in the Basin Plan. Therefore beneficial uses for the Wilmington Drain, based on the tributary rule (Basin Plan, page 2-4), are assumed to be the same as Machado Lake. The water quality associated with these water bodies is discussed in Section 2.

1.2.2.3. Los Angeles Harbor

There are many components that make up the Los Angeles Harbor as a whole, as illustrated in Attachment B, Figure B.8 and the Los Angeles Harbor watershed is more than just the Harbor District. The Dominguez Channel WMA empties into the northeast side of the Consolidated Slip, the most upstream portion of the Los Angeles Harbor, located downstream of the Dominguez Channel Estuary near Anaheim Street west of Interstate 710 and spans to Shore Road where it confluences with the Los Angeles Inner Harbor. This portion of the harbor is approximately 0.06 square miles, 13.5 acres (USEPA, 2014b). The Basin Plan designates beneficial uses to "all other inner areas", including the Consolidated

Slip. These beneficial uses are shown in Table 1-3. The Los Angeles Inner Harbor is approximately 3,003 acres and is located downstream of the Consolidated Slip. The Inner Harbor includes portions of both the Los Angeles Harbor and Long Beach Harbor (USEPA, 2014b). The Fish Harbor, which is located within the Los Angeles Harbor area, is approximately 0.14 square miles, 91 acres, located east of the harbor near Wharf Street, is also considered part of the Inner Harbor area (USEPA, 2014b) and has the same beneficial uses. The inner and outer portions of Cabrillo Beach are also a part of the Los Angeles Harbor. Inner Cabrillo Beach is considered a bay/harbor and is located to the west of Fish Harbor, adjacent to Shoshonean Road, approximately 0.13 square miles, 82 acres. Outer Cabrillo Beach is considered a coastal shoreline approximately 0.58 miles long on the south side of the peninsula bordering inner and outer Cabrillo Beach (USEPA, 2014). Outer Cabrillo Beach, while in the LA Harbor watershed, is a Los Angeles County beach not part of the Harbor District. The water quality associated with the Los Angeles Harbor water bodies is discussed in Section 2.

Table 1-3: Summary of DC WMG Water Bodies*

Water Body		Existing Beneficial Uses	Potential Beneficial Uses
Dominguez Channel	Lined portion above Vermont Avenue (Freshwater)	RARE, REC-2	WARM, WILD, REC-1, MUN[1]
	Unlined portion below Vermont Avenue (Estuary)	COMM, EST, MAR, WILD, RARE, MIGR, SPWN, REC-1, REC-2	NAV
	Torrance Carson Channel[2]	RARE, REC-2	WARM, WILD, REC-1, MUN[1]
Machado Lake	Machado Lake	WARM, WILD, WET, REC-1, REC-2	None
	Wilmington Drain[3]	WARM, WILD, WET, REC-1, REC-2	None
Los Angeles Harbor[4]	Consolidated Slip	IND, NAV, REC-2, COMM, MAR, RARE	REC-1, SHELL
	Inner Harbor	IND, NAV, REC-2, COMM, MAR, RARE	REC-1, SHELL
	Fish Harbor	IND, NAV, REC-2, COMM, MAR, RARE	REC-1, SHELL
	Inner Cabrillo Beach	NAV, REC-1, REC-2, COMM, MAR, WILD, MIGR, SPWN, SHELL	None
	Outer Cabrillo Beach (Los Angeles County beach)	NAV, REC-1, REC-2, COMM, MAR, WILD, MIGR, SPWN, SHELL	None

* Abbreviations defined:
COMM – Commercial and Sport Fishing
EST – Estuarine Habitat
IND – Industrial Service Supply
NAV - Navigation
MAR – Marine Habitat
MIGR – Migration of Aquatic Organisms
MUN – Municipal and Domestic Supply
RARE – Rare, Threatened, or Endangered Species
REC-1 – Water Contact Recreation
REC-2 – Non-Contact Water Recreation
SHELL – Shellfish Harvesting
SPWN – Spawning, Reproduction, and/or Early Development
WARM – Warm Freshwater Habitat
WET – Wetland Habitat
WILD – Wildlife Habitat

[1] MUN designation is P*. Associated water quality objectives are not applicable until such time as the use is confirmed.
[2] Beneficial uses based on TMDL Staff Report (LARWQCB, 2011).
[3] Beneficial uses based on the tributary rule (LARWQCB, 1994).

Table 1-3: Summary of DC WMG Water Bodies*		
Water Body	**Existing Beneficial Uses**	**Potential Beneficial Uses**

[4.] Los Angeles Harbor is not the Harbor District. Los Angeles Harbor is the body of water downstream of the Dominguez Channel Estuary.

1.3 Regulatory Framework

The LARWQCB (or Regional Board) adopted Waste Discharge Requirements (WDRs) for MS4 discharges within the Coastal Watersheds of Los Angeles County on June 18, 1990, (Order No. 90-079; NPDES Permit No. CA0061654). The WDRs were later amended on December 13, 2001 (Order No. 01-182; NPDES Permit No. CAS004001 (as amended)). The current MS4 Permit (Order No. R4-2012-0175; NPDES Permit No. CAS004001) was adopted on November 8, 2012 and became effective on December 28, 2012. The MS4 Permit contains effluent limitations, receiving water limitations (RWLs), Minimum Control Measures (MCMs), Total Maximum Daily Load (TMDL) provisions, and outlines the process for developing watershed management programs (WMPs), including the EWMP. The MS4 Permit incorporates the TMDL Waste Load Allocations (WLAs) applicable to dry- and wet-weather as Water Quality-Based Effluent Limitations (WQBELs) and/or Receiving Water Limitations (RWLs). Part V.A (pages 38-39) of the MS4 Permit requires compliance with the WQBELs and/or RWLs as outlined in the respective TMDLs.

1.3.1 Relevant TMDLs

A TMDL is a regulatory term used to describe a value of the maximum amount of a pollutant that a water body can receive while still meeting water quality standards. Attachment N of the MS4 Permit, titled "TMDLs in Dominguez Channel and Greater Harbor Waters Watershed Management Area" lists information on TMDLs and incorporates WQBELs and RWLs relevant to the DC WMG including the TMDLs identified in Table 1-4.

Table 1-4 demonstrates which DC WMG members are affected by each of the TMDLs per Attachment K, Table K.4, of the MS4 Permit. The Water Quality Objectives (WQOs) associated with each of the TMDLs are included in Attachment C.

Table 1-4: Applicability of DC WMG TMDLs

DC WMG Participating Agency	Los Angeles Harbor Bacteria TMDL	Machado Lake Trash TMDL	Machado Lake Nutrient TMDL	Machado Lake Pesticides and PCBs TMDL	DC and LA Harbor Waters Toxic Pollutants TMDL
City of El Segundo					X
City of Hawthorne					X
City of Inglewood					X
City of Los Angeles	X	X	X	X	X
City of Lomita		X	X	X	
County of Los Angeles	X	X	X	X	X
LACFCD	X	X	X	X	X

1.4 EWMP Development Process

According to Part VI.C.1.f.v (page 48) of the MS4 Permit, each watershed management program (WMPs and EWMPs) must provide appropriate opportunity for meaningful stakeholder input, including, but not limited to, a permit-wide watershed management program Technical Advisory Committee (TAC) that will advise and participate in the development of the EWMP. The DC WMG has been part of the TAC and has provided input on the various topics discussed. Additionally the DC WMG worked with local and regional stakeholders to receive input for the EWMP process.

The DC WMG developed a list of stakeholders in order to establish the stakeholder participants, as well as provide guidance on how to engage the identified key stakeholders. The stakeholders include:

- Key administrators, stormwater program managers, council districts, and neighborhood councils.;
- Environmental and community organizations, business associations; and
- Collaborating governmental agencies such as the Regional Board, USEPA Region IX, water districts, and other WMP or EWMP agencies.

A series of three EWMP stakeholder workshops were held jointly with EWMP groups for the Los Angeles River, Ballona Creek, Marina del Rey, Santa Monica Bay Jurisdictions 2 and 3 watersheds. The workshops were conducted, on April 10, 2014, November 20, 2014, and March 19, 2015. Each workshop was held at the Witherbee Auditorium at LA Zoo. More than 500 invitations were sent out to stakeholders. Workshop No. 1 was intended to initiate the process for receiving input from a broad stakeholder group. The agenda consisted of introducing the planned EWMP stakeholder process, explaining the relevance and context of the EWMP process, and solicit input from stakeholders for the Draft EWMP Work Plan and potential projects.

The second workshop discussed the planning progress, discussed the regional projects identified to date, and continued to solicit input from the stakeholders on regional project opportunities, planning criteria to incorporate, the additional benefits sought from the EWMP projects, and other desired outcomes from the program.

The third workshop discussed the draft EWMP, the projects identified, the load reductions that would occur from project implementation, any additional benefits communities would see from implementation of the projects, and the schedules and costs for implementation of the EWMP. Additional information can be found in Attachment D.

The following preparation was conducted for the workshops:

- Meeting notices (one page flier) distributed via email to identified stakeholders and posted on the City of Los Angeles a website for EWMP materials and activities at least one month prior to the workshop;
- Material for each workshop distributed and posted to the www.lastormwater.org website;
- A draft workshop summary, including presentation materials, distributed no later than two weeks after each workshop to solicit additional stakeholder feedback;
- Locations of the workshops that are reasonably accessible and accommodates up to 250 attendees;

In addition to distributing workshop material through the Los Angeles Stormwater website, the DC WMG also set up a web site where interested persons could upload project proposals. This facilitated community inputs into the project development process.

1.5 EWMP Overview

In June 2014, the EWMP Work Plan was developed as required as part of the DC WMG EWMP development process per Part VI.C.4.c.iv (page 57) of the MS4 Permit.

The EWMP Work Plan documented the progress thus far in the development of the EWMP by detailing the water quality priorities within the DC WMG, identifying the existing and potential control measures, outlining the approach to identifying additional projects, and outlining the approach to the RAA. The purpose of identifying significant watershed characteristics and presenting an approach was so that stakeholders could become involved, and feedback could be solicited and incorporated into the EWMP.

That EWMP Work Plan was used as the framework for this EWMP. This EWMP provides the results of the efforts outlined in the EWMP Work Plan and includes the relevant previous information as well as the final RAA, projects for implementation consideration, a framework for assessment and adaptive management, cost and financial strategies, and a discussion on legal authority. This EWMP includes the following sections:

- **Water Quality Priorities (Section 2)**
  The receiving waters are identified and characterized based on the available water quality data. Water body Pollutant Classifications are developed so that each water body-pollutant combination can be classified into an appropriate category in order to develop an approach to prioritizing the identified water quality priorities.
- **Reasonable Assurance Analysis Approach (Section 3)**
  The modeling system and approach to conducting the RAA is presented in this section. The modeling system being used by the DC WMG is highlighted along with the process and modeling approach. The spatial domain, time period, water quality, and Best Management Practices (BMPs) model integration are described. Lastly, the output from the RAA is detailed and examples are provided.
- **Watershed Control Measures (Section 4)**
  This section outlines the existing and planned control measures. Watershed control measures consist of both structural and non-structural BMPs. Existing BMPs are identified in order to identify potential regional projects already under way. The current and future minimum control measures are described and presented. Planned regional and distributed projects are presented.
- **EWMP Implementation Schedule (Section 5)**
  This section presents schedules for project implementation and how the RAA predicts the resulting load reductions that are expected to meet TMDL milestones and milestones established in this EWMP to address non-TMDL water quality priorities.
- **Assessment and Adaptive Management Framework (Section 6)**
  This section outlines the assessment and adaptive management framework of the EWMP. This guides the implementation team in the steps to take to assess the effects of the EWMP on water quality and adjust planned projects to achieve the planning and water quality objectives. Additionally, the linkage between the assessment and the reporting requirements of the Permit is also established.
- **EWMP Implementation Costs and Financial Strategy (Section 7)**
  This section summarizes the costs of implementing the EWMP. Cost ranges were developed for the implementation, operation, and maintenance of the selected BMPs. A summary of potential funding sources or strategies to implement the EWMP is also presented.
- **Legal Authority (Section 8)**
  This section demonstrates that Permittees have the necessary legal authority to implement the BMPs identified in the EWMP or the legal authority exists to compel implementation of the BMPs.

2. Water Quality Priorities

Identification of the water quality priorities in the DC WMG is a key component of the EWMP process. Part VI.C.5.a (page 58-60) of the MS4 Permit outlines the pertinent elements of the prioritization process as follows:

1. Water quality characterization (VI.C.5.a.i, page 58) based on available monitoring data, TMDLs, 303(d) lists, storm water annual reports, etc.;
2. Water body-pollutant classification (VI.C.5.a.ii, page 59) to identify water body-pollutant combinations that fall into three MS4 Permit-defined categories;
3. Source assessment (VI.C.5.a.iii, page 59) for the water body-pollutant combinations in the three categories; and
4. Prioritization of the water body-pollutant combinations (VI.C.5.a.iv, page 60).

The three MS4 Permit defined categories are:

- **Category 1** (Highest Priority): Water body-pollutant combinations for which TMDLs are established in Part VI.E (page 141) and Attachment N of the MS4 Permit.
- **Category 2** (High Priority): Pollutants for which data indicate water quality impairment in the receiving water according to the State's Water Quality Control Policy for Developing California's CWA Section 303(d) List (State Listing Policy) and for which MS4 discharges could potentially be contributing to the impairment.
- **Category 3** (Medium Priority): Pollutants for which there are insufficient data to indicate water quality impairment in the receiving water according to the State's Listing Policy, but which have exceeded applicable receiving water limitations contained in the MS4 Permit and for which MS4 discharges could potentially be contributing to the exceedance.

The following sections presented below describe the characterization and prioritization of those water body-pollutant combinations (WBPCs) found to be issues in DC WMG.

2.1 Water Quality Characterization

Water quality monitoring data and reports were gathered for the Dominguez Channel water body segments (including the lined portion above Vermont Avenue, the unlined Dominguez Channel Estuary, and the Torrance Lateral), the Machado Lake water body segments (including the Wilmington Drain), and the Los Angeles Harbor (including the Consolidated Slip and Cabrillo Beach). The raw data available was assessed for quality and compiled into a database by wet-weather and dry-weather conditions and locations. Sources for this data included:

- LACDPW Dominguez Channel MS4 NPDES Mass Emission Monitoring;
- AMEC's Port of Los Angeles (POLA) Artesia Pollutograph Study;
- City of Los Angeles Bureau of Sanitation (LABOS) Special Ammonia Sampling and Status and Trends Monitoring Programs in the Dominguez Channel; and
- LABOS Machado Lake Water Quality Monitoring Program and Nutrient TMDL Monitoring Program.

The sampling locations for the data are shown in Figure 2-1 and Figure 2-2. Additional details regarding the available data, including which sampling effort was conducted at each site, are presented in Attachment E.

In addition to the sampling data, additional water and sediment quality monitoring reports were collected and reviewed as part of the characterization and are included in Attachment E.

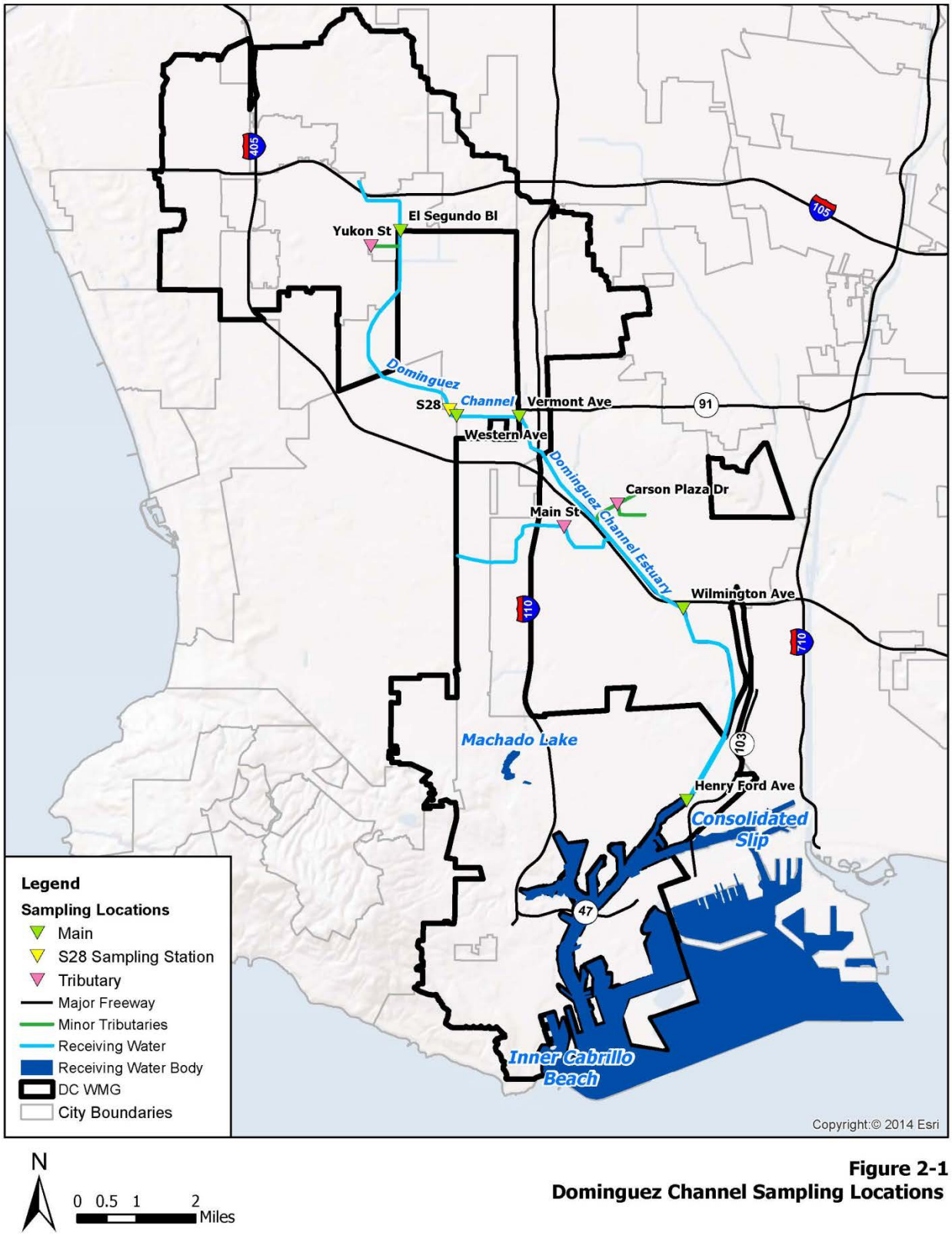


Figure 2-1
Dominguez Channel Sampling Locations

Figure 2-1: Dominguez Channel Sampling Locations

Figure 2-2: Machado Lake Sampling Locations

The data analysis applied screening criteria for potential and existing beneficial uses. In doing so, water quality monitoring samples from the lined portion of the Dominguez Channel were screened against criteria applicable for the protection of REC-1 beneficial uses, which is a potential beneficial use for this receiving water, in addition to criteria for the protection of aquatic life. Criteria for the protection of human health for the consumption of organisms only were applied to segments with either existing or potential REC-1 beneficial uses under both dry- and wet-weather conditions. Where human health criteria were not applicable or established, chronic water quality criteria for the protection of aquatic life were applied to dry-weather samples and acute water quality criteria were applied to wet-weather samples to account for the shorter exposure period consistent with TMDLs in the region.

Water body segments were classified as either freshwater or saltwater to apply the correct WQOs. The lined portion of the Dominguez Channel, as well as tributaries (i.e., the Torrance Lateral), were classified as freshwater, while portions of the Los Angeles Harbor were classified as marine (saltwater). Due to tidal influence in the estuarine portion of the WMA and a lack of salinity data at the sampling locations in the Estuary, water quality samples from the Estuary were screened against both salt and freshwater criteria and the more stringent of the two criteria under the physical conditions at the time of sampling was used. Future confirmation of the salinity level at these monitoring locations can further refine these assumptions.

Hardness measurements at the time of sampling were used to calculate hardness-dependent dissolved metals WQOs. When hardness was not recorded, the median hardness for dry-weather samples at each sample site was used for dry-weather conditions and a value of 50 mg/L was used for wet-weather based on the hardness used in the TMDL for Toxic Pollutants in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters.

2.1.1 Characterization of Receiving Water Quality

Statistical summaries of the water quality monitoring (raw) data are presented in Attachment E. Tables of the observed exceedances over the monitoring period and exceedances over the past five years (starting in January 2008) are included in Attachment E. For details on the WQOs utilized to measure exceedances, refer to the Attachment E.

The monitoring reports reviewed during the water quality characterization were for the Dominguez Channel, Machado Lake and Los Angeles Harbor areas. For those programs that investigated sediment quality, exceedances of the Effect Range Low (ERL) sediment quality thresholds were used to assess water body impairment. It was also noted if chemical concentrations exceeded the higher Effect Range Median (ERM) threshold. Significant findings from these reports are summarized in Table 2-1, Table 2-2, and Table 2-3 for the Dominguez Channel water body segments, Machado Lake water body segments, and the Los Angeles Harbor water body segments respectively.

Table 2-1: Summary of Exceedances for Monitoring Programs for the Dominguez Channel			
Water Body	**Program**	**Date Range**	**Exceedances**
Dominguez Channel	LACDPW NPDES MS4 Stormwater Monitoring	2008-2013	Wet-weather: Copper (diss.), Lead (diss.), and Zinc (diss.), Cyanide, Fecal coliforms, pH Dry-weather: Cyanide, Fecal coliforms, E. coli, pH
	LACDPW NPDES MS4 Stormwater Monitoring	2002-2008	Wet weather: Copper (diss.), Lead (diss.), and Zinc (diss.)
	LACDPW NPDES MS4 Stormwater Monitoring	2002, 2003, 2005	Water column toxicity
	LACDPW NPDES MS4 Stormwater Monitoring	Pre- 2005	Diazinon
	SWAMP	2003	pH
	Consolidated Slip Restoration Project Concept Plan Supplemental Report	2002	Sediment (ERM): Zinc
Torrance Lateral	LACDPW NPDES MS4 Stormwater Monitoring	2008-2012	Wet-Weather: Copper (diss.), Lead (diss.), and Zinc (diss.), Cyanide, Fecal coliforms, pH Dry-Weather: Fecal coliforms, pH, ammonia
	Consolidated Slip Restoration Project Concept Plan Supplemental Report	2002	Sediment (ERM): Lead, Zinc, DDT, PCBs, and PAHs
Dominguez Channel Estuary	Consolidated Slip Erosion Study	2011	Sediment (ERM): Chromium, Copper, Lead, Zinc, Mercury, Silver, DDT, PCBs, Chlordane, Dieldrin Sediment (ERL): Arsenic, Cadmium, Chromium, Copper, Lead, Zinc, Mercury, Nickel, Silver, Total PCBs, DDT, PAHs, Chlordane, and Dieldrin
	Surface Water Ambient Monitoring Program (SWAMP) Report	2003	Benthic community effects
	Consolidated Slip Restoration Project Concept Plan Supplemental Report	2002	ERM: Copper, Lead, Zinc, DDT, and PCBs

Table 2-2: Summary of Exceedances for Monitoring Programs for Machado Lake			
Water Body	**Program**	**Date Range**	**Exceedances**
Machado Lake	Machado Lake Nutrients and Toxics TMDL Lake Water Quality Management Plan (Regional Board sediment data set)	2009	Sediment: Chlordane, Total DDT, Total PCBs
	SWAP Report	2003	Dissolved Oxygen
Wilmington Drain	Regional Board Sediment Data	2008	Sediment: Chlordane, Total DDT, Dieldrin
	Wilmington Drain Sediment Characterization Study	2007	Sediment: Chlordane, Total DDT, Total PCBs

Table 2-3: Summary of Exceedances for Monitoring Programs for the Los Angeles Harbor			
Water Body	**Program**	**Date Range**	**Exceedances**
LA Harbor	Southern California Bight Regional Monitoring Program	2008	Sediment (ERL): DDT, Copper
	Southern California Bight Regional Monitoring Program	2003	Sediment (ERL): DDT, Copper, Nickel, Mercury, Sediment Toxicity
Inner Harbor	POLA/POLB Sediment Survey	2006	Copper (diss.), DDT (diss.)
	SWAMP Report	2003	Silver (diss.)
	Southern California Bight Regional Monitoring Program	2003	PCBs
Outer Harbor	City of LA Terminal Island Water Reclamation Plant (TIWRP) Biennial Assessment Report	2010-2011	Sediment (ERL): Cadmium, Copper, Nickel, DDT, Total PCBs
	TIRP Biennial Assessment Report	2008-2011	Total PCBs (tissue), Total DDT (tissue)
	POLA/POLB sediment survey	2006	Copper (diss.), DDT (diss.)
	SWAMP Report	2003	Silver (diss.)
Consolidated Slip	Consolidated Slip Erosion Study	2011	Sediment (ERM): PCBs, DDT, Chlordane, Dieldrin Sediment (ERL): Arsenic, Cadmium, Chromium, Copper, Lead, Zinc, Mercury, Nickel, Silver, Total PCBs, DDT, PAHs, Chlordane, Dieldrin
	SCCWRP Atmospheric Deposition in LA/LB Harbor study	2006	Total DDT (diss.) and Total PCBs (diss.)
	Consolidated Slip Restoration Project Concept Plan Supplemental Report	2002	Sediment (ERM): Copper, Lead, Zinc, Mercury, Total PCBs, DDT, PAHs, Chlordane and Dieldrin

2.1.2 Characterization of Discharge Quality

Stormwater and non-stormwater discharges were characterized based on available data. The available receiving water monitoring data was used to evaluate potential stormwater and non-stormwater discharge data. Water quality data were obtained from the Los Angeles County Department of Public Works (LACDPW), the Port of Los Angeles (POLA), and the City of Los Angeles Department of Public Works, Bureau of Sanitation (LABOS). Monitoring data were available from the mass emission station in Dominguez Channel at Artesia from 2002-2012. Monitoring data from Torrance Lateral leading to Dominguez Channel was available from 2007-2009. Six other tributary's monitoring data were available from 2009-2011. Data from Machado Lake monitoring was available from 2001-2009. Other studies and data were available from studies in the Dominguez Channel estuary, the Consolidated Slip, Inner Harbor, Outer Harbor, Fish Harbor, and the Wilmington Drain, but most studies were for shorter sampling periods. It is important to note that most of these monitoring data were from receiving water sampling stations. In this subsection, discharge water quality is evaluated on the basis of receiving water sampling results. The connection between the effects of discharges on receiving water quality cannot be established until more outfall monitoring data is available. This assessment of discharge quality is tentative and will be confirmed as the Coordinated Integrated Monitoring Program (CIMP) is implemented.

The data were compared to water quality criteria to evaluate the number of exceedances. These are reported in Attachment E. In summary in the Dominguez Channel and Torrance Lateral:

- Wet weather samples exceeded dissolved metals hardness-adjusted CTR criteria for copper, lead, and zinc. No exceedances were observed for the three metals during dry weather. No exceedances were observed for dissolved cadmium, chromium, mercury, nickel, selenium, or silver during wet or dry weather during this time period.
- Water column toxicity was observed. Inhibited *Ceriodaphnia dubia* survival occurred during the 2002, 2003, and 2005 wet weather events, with 6 of 14 wet weather sampling events and one of 14 dry weather sampling events showing toxicity.
- Diazinon exceeded chronic California Department of Fish and Wildlife freshwater assessment criteria in 5 of 21 samples and acute criteria in 3. No exceedances occurred after 2005, which was following the EPA's de-registration of the pesticide.
- The Torrance Lateral sampling station showed exceedances of acute CTR criteria for dissolved copper (8 of 10) and dissolved zinc (9 of 10) during wet weather conditions in 2008 and 2009. Dissolved lead did not exceed CTR acute criteria in wet weather, and no exceedances of chronic CTR water quality criteria were observed in dry weather samples.
- Exceedances of water quality criteria occurred in the six tributary sampling stations for Ammonia, Cyanide, Dissolved copper, Dissolved lead, Dissolved Oxygen, Dissolved zinc, E. coli, and Fecal coliform.
- During the 2003 SWAMP, the Dominguez Channel samples had high levels of bacteria and pH values exceeding Basin Plan objectives. The estuarine portion of the Channel showed adverse impacts to benthic communities with 3 of 5 stations classified as being in poor condition. For Machado Lake, it was found that the stations at the northern end of the Lake, most likely influenced by Wilmington Drain, had more fine grained sediment, dissolved oxygen below the Basin Plan objective of 5 mg/L, low pH, and high ammonia and nitrate. Chlorophyll-a was highest in the southern end and lowest in the northern end. No acute or chronic toxicity was detected throughout the lake. The station closest to the Wilmington Drain in the north had the highest sediment concentrations of metals. Organic pollutants such as PAHs were highest at the southern stations. Harbor sampling sites had elevated copper and silver concentrations in water samples at all stations and exceedances of silver CTR water quality objectives at six of 30 stations located within both the Inner and Outer Harbor areas. Other metals were well below water quality objectives.

- During various studies of estuary and harbor sediments, exceedances of the Effects Range Medium (ERM) and/or Effects Range Low (ERL) thresholds were observed for DDT, DDD, DDE, PCBs, chlordane, Dieldrin, metals (arsenic, cadmium, chromium, copper, lead, zinc, mercury, nickel, and silver), and/or PAHs were observed.
- Machado Lake sediment datasets showed sediment concentrations of total chlordane, total DDT and total PCBs above the sediment targets set in the Machado Lake Pesticides and PCBs TMDL. Wilmington Drain sediment data sets showed elevated levels of total DDT, PCBs, and Chlordane.

2.2 Water Body Pollutant Combinations

Using the data analyses and results from additional monitoring reports, WBPCs were classified into one of the three MS4 Permit categories (Category 1-3). Those WBPCs with a TMDL were classified as Category 1, those WBPCs listed on the State's 303(d) list as impairing a particular water body segment were classified as Category 2, and those remaining WBPCs without an associated TMDL or on the State's 303(d) list, but showing exceedances of water quality criteria were classified as Category 3. A summary of these categorizations is presented in Table 2-4. To assist with future prioritization efforts, the categorized WBPCs were divided into the subcategories described in Attachment E. The subcategorized WBPCs for DC WMG, Torrance Lateral, Dominguez Channel Estuary, Machado Lake, Wilmington Drain, the Consolidated Slip, and the rest of the Los Angeles Harbor areas are listed in Attachment E.

Table 2-4: Categorized Water Body-Pollutant Combinations

Water Body	Category 1 (TMDL)	Category 2 (303(d) List)	Category 3 (Other)
Dominguez Channel (lined portion above Vermont Ave)	Copper (diss.), Lead (diss.), Zinc (diss.), Toxicity	Indicator Bacteria, Ammonia, Diazinon	Cadmium(diss.), Chromium (diss.), Mercury (diss.), Thallium (diss.), Bis (2-Ethylhexl) phthalate, pH, Dissolved Oxygen
Torrance Lateral	Copper (diss.), Lead (diss.), Zinc (diss.)	Coliform Bacteria	Cadmium (diss.), Cyanide, pH, Ammonia, PCBs (sed.), DDT (sed.)
Dominguez Estuary (unlined portion below Vermont Ave)	Cadmium (sed.), Copper (diss. and sed.), Lead (diss., sed., & tissue), Zinc (diss. & sed.), DDT (tissue & sed.), PCBs (sed.), Chlordane (tissue & sed.), Dieldrin (tissue & sed.), PAHs (sed.), Benthic Community Effects, Sediment Toxicity	Ammonia, Coliform Bacteria	Arsenic (sed.), Chromium (sed.), Silver (diss. & sed.), Nickel (diss.), Mercury (sed.), Thallium (diss.)
Machado Lake	Trash, Total Phosphorus, Total Nitrogen, Ammonia, Chlorophyll-a, PCBs (sed.), DDT (sed.), Chlordane (sed.), Dieldrin (sed.), Dissolved Oxygen	None	E. coli, pH
Wilmington Drain	None	Coliform Bacteria, Copper (diss.), Lead (diss.)	Total Nitrogen, DDT (sed.), PCBs (sed.), Chlordane, Dieldrin (sed.)

Table 2-4: Categorized Water Body-Pollutant Combinations			
Water Body	**Category 1 (TMDL)**	**Category 2 (303(d) List)**	**Category 3 (Other)**
LA Harbor[1] - Cabrillo Marina	DDT (tissue & sed.), PCBs (tissue & sed.), PAHs	None	None
LA Harbor[1] - Consolidated Slip	Cadmium, Chromium, Copper, Lead, Mercury, Zinc, DDT (tissue & sed.), PCBs (tissue & sed.), PAHs (sed.), Chlordane (tissue & sed.), Dieldrin, Toxaphene (tissue), Benthic Community Effects, Sediment Toxicity	None	Arsenic, Silver, Nickel
LA Harbor[1] - Fish Harbor	Copper, Lead, Mercury, Zinc, DDT (tissue & sed.), PCBs (tissue & sed.), Chlordane, PAHs, Sediment Toxicity	None	None
LA/LB Inner Harbor[1]	Copper, Zinc, DDT (tissue & sed.), PCBs (tissue & sed.), PAHs, Benthic Community Effects, Sediment Toxicity, Indicator Bacteria	None	Copper (diss.), Silver (diss.)
LA/LB Outer Harbor[1]	DDT (tissue & sed.), PCBs (tissue & sed.), Sediment Toxicity	None	Cadmium, Nickel, Silver (diss.), Copper (diss. & sed.), Mercury
LA Harbor[1] - Inner Cabrillo Beach	Indicator Bacteria, DDT (sed. & tissue), PCBs (tissue & sed.)	None	None

[1] Los Angeles Harbor metals and organic WBPCs are for sediment unless otherwise noted.

2.3 Source Assessment

A catchment priority index (CPI) method was employed to assess sources and identify areas where BMP implementation should be prioritized to have the greatest short and long term effects. CPI is a means of ranking sub-watersheds against one another based on land use to identify the higher priority watersheds as demonstrated in Figure 2-3. The method is based on Event Mean Concentrations (EMCs) developed for different land use types and the areal weighting of different land uses within a given subwatershed. The subwatersheds are ranked against one another to develop a CPI score for each subwatershed. The watersheds with the highest score are considered the highest priorities. This CPI analysis allows one to start from a watershed level and focus on the subcatchments that are likely to be contributing the greatest load of pollutants for BMP implementation and/or monitoring.

2.3.1 Catchment Priority Index

The analysis was completed using the GIS platform ArcGIS. The GIS analysis was based on data developed by the City of Los Angeles and the County of Los Angeles. Within each subcatchment, priority pollutants such as metals (and nutrients in Machado) were weighted the highest. Additional weight was given to sub-watersheds potentially contributing to water body segments with TMDLs or 303(d) listed impairments for particular pollutants. This was used for establishing where to prioritize BMP placement in the long range plan to achieve the greatest benefit as soon as possible during the planning horizon.

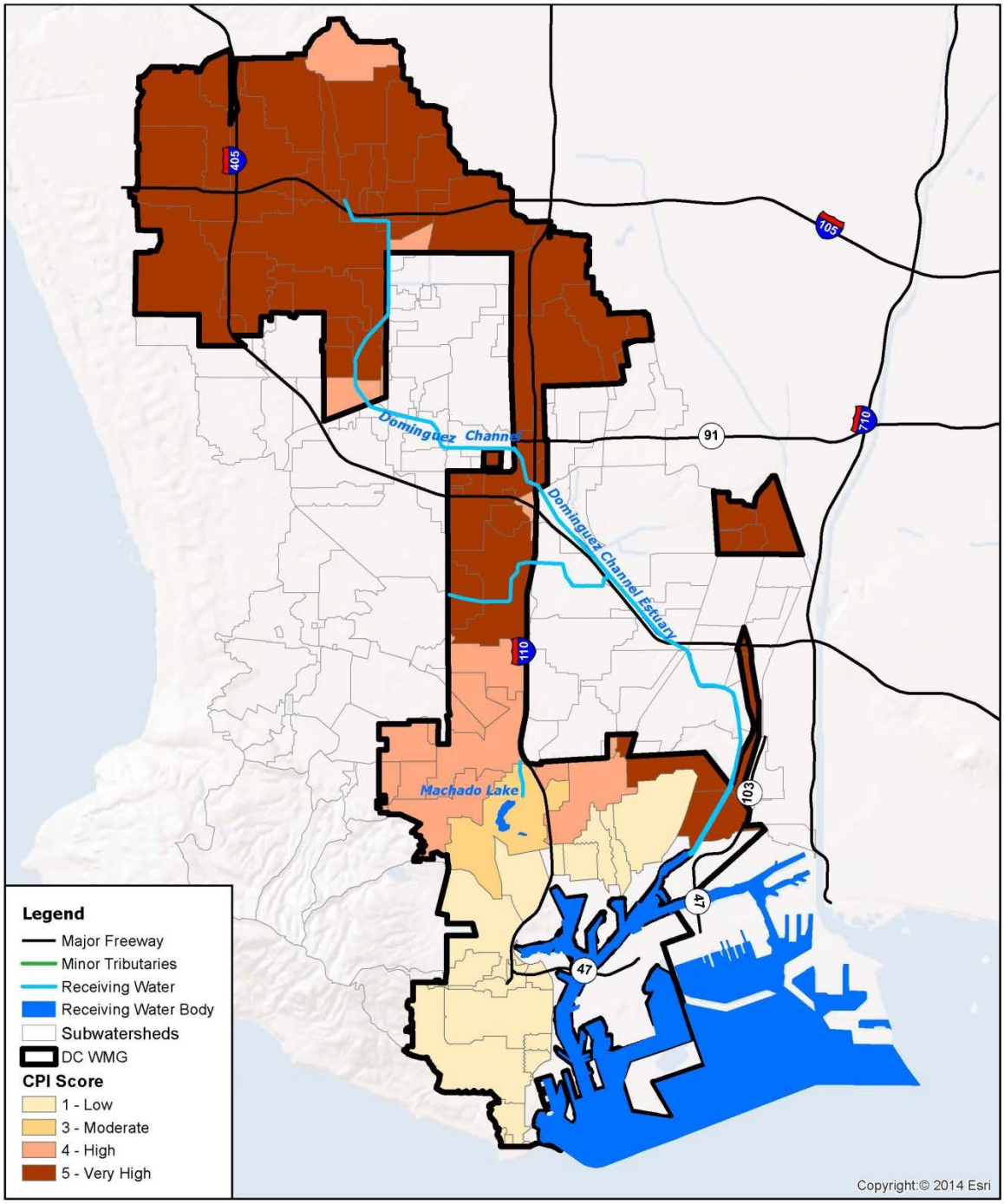


Figure 2-3: Catchment Prioritization Index (CPI) Map

2.3.2 Potential Sources of Contamination

There are several potential point and nonpoint sources of contamination in the DC WMG. Point sources include stormwater and urban runoff flowing through the MS4 as well as other MS4 discharges, such as those from refineries, generating plants, port operations, and the Terminal Island Water Reclamation Plant that discharges into the Outer Harbor. Major MS4 outfalls are shown in Figure 2-4. Nonpoint sources include contaminated sediments already in receiving waters and atmospheric deposition.

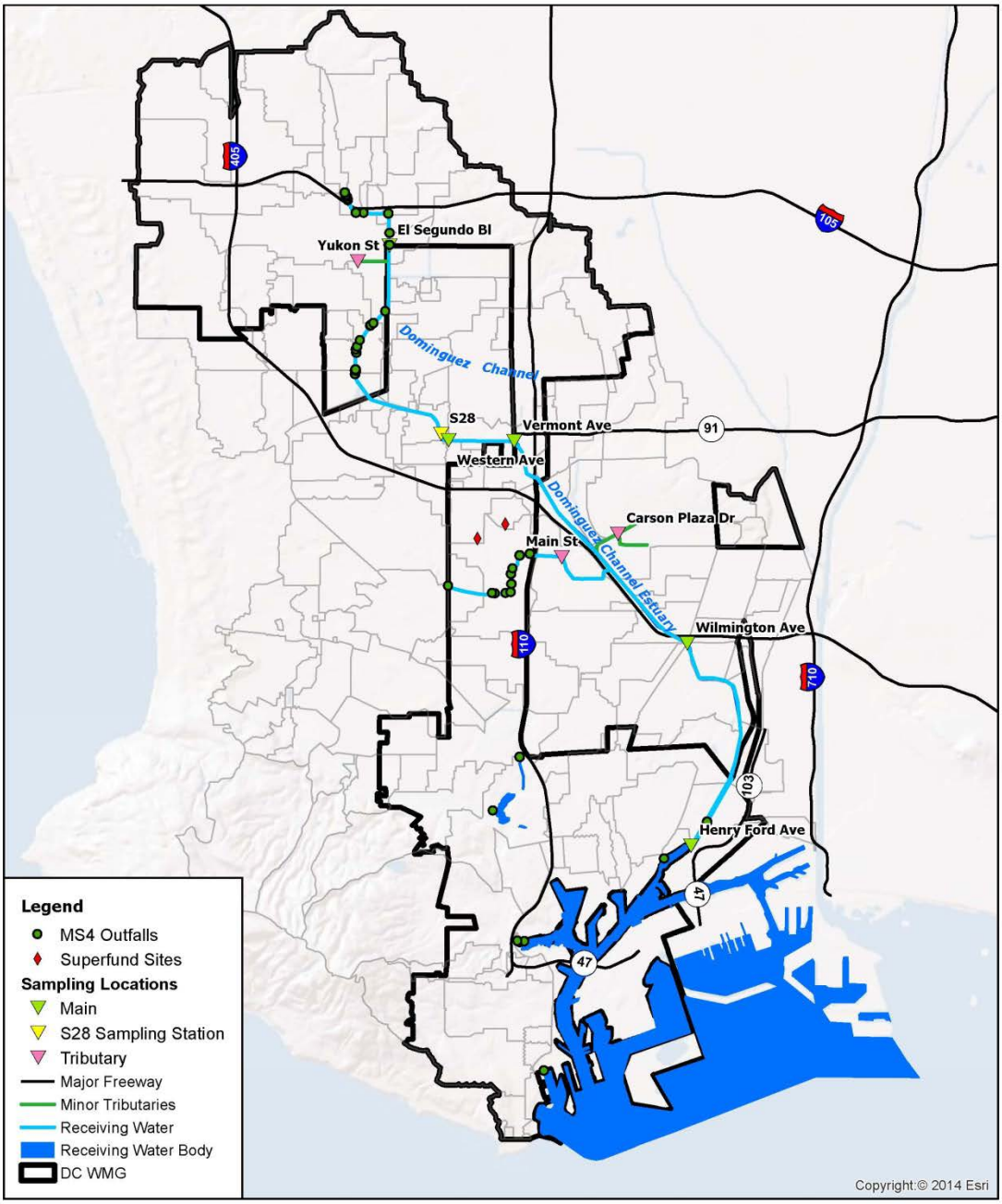


Figure 2-4: MS4 Locations Map

The DC WMG also contains two Superfund Sites that have historically been large contributors of organic pollutants: the Montrose Chemical Corporation Site, and the Del Amo Facility Site. The Montrose site manufactured DDT from 1947 to 1982 and the compound can still be found in the soils around the site. Stormwater runoff from this site, if exposed, can contain DDT from the soils. The site currently is paved with a maintenance plan under an Initial Action taken under USEPA oversight in 1985. The Del Amo Facility was once the center of large-scale production of synthetic rubber, which included a styrene plant and a butadiene plant. Groundwater and soils in the area are contaminated with volatile organic compounds (VOCs), PAHs, and minor amounts of pesticides, PCBs, and heavy metals. Most of the Del Amo facility has been redeveloped into an Industrial park and surficial soils are generally not exposed. The Del Amo pits site, where manufacturing wastes were disposed, was covered with a Resource Conservation Recover Act (RCRA) equivalent hazardous waste cap in 1999. The two Superfund Sites are located next to each other near the Torrance Lateral as shown Figure 2-4.

2.4 Approach to Prioritization

To complete an initial prioritization of the WBPCs, pollutants were sub-categorized based on TMDL compliance schedules and exceedance frequencies as outlined in Section 2.2. Those WBPCs that have TMDLs with past due interim and/or final deadlines or with interim and/or final deadlines within the MS4 Permit term will be prioritized higher than those pollutants with TMDL schedules outside the MS4 Permit term. Other receiving water considerations included pollutants on the 303(d) list and WBPCs that show exceedances within the last 5 years.

The water quality issues identified for the Dominguez Channel, Machado Lake, and the LA Harbor are expected to be addressed with the BMPs designed to address existing TMDLs. This is based on chemical similarities between constituents in which their fate and transport would be expected to behave similarly to pollutants addressed by TMDLs.

2.5 Compliance Schedule

Compliance schedules with applicable milestones were developed for the receiving water bodies in the DC WMA. Attachment E shows the detailed schedules and Table 2-5, found at the end of this section, presents a simplified final compliance schedule. For constituents addressed by a TMDL (Category 1), the compliance schedules are outlined below. Category 2 (303(d) List) and Category 3 (Other) constituent's loads are expected to be reduced by the BMPs implemented to address TMDLs. If not, those pollutants will be fully addressed by 2040 by additional BMPs to be planned in the 2032 EWMP revision.

Dominguez Channel

The DC/Harbor Toxics TMDL addresses metals, historical organics, and current organics. The DC/Harbor Toxics TMDL contains three implementation phases for the Dominguez Channel, Torrance Lateral, and Dominguez Channel Estuary, and three implementation phases for the Greater Los Angeles and Long Beach Harbor Waters (including Consolidated Slip). The Phases are summarized as follows:

- Phase I: Reduce sediment transport from point sources and implement watershed-wide actions.
- Phase II: Implement additional BMPs and site remedial actions based on the success of upstream source control, evaluation of TMDL monitoring data collected during Phase I, and target point source reduction activities.
- Phase III: Implement secondary and additional remedial actions as necessary to be in compliance with final allocations by the end of the implementation period.

These implementation phases are not assigned interim targets in the DC/Harbor Toxics TMDL, but they do provide implementation milestones that can be attributed to other constituents in a similar class (e.g., metals, historical organics, and current organics) that are not addressed in the TMDL. Phase I will be achieved through enhanced street sweeping, catch basin cleanouts, installation of full capture devices and inspection and enforcement. Through the EWMP process, the DC WMG is working collaboratively and has developed a detailed plan of action to address the TMDL limits. The DC WMG has set numeric milestones in this EWMP based on the amount of water that needs to be captured by EWMP projects. These milestones factor into the time needed to establish a construction program to implement the projects. The DC WMG's planned load reduction milestones are:

- Milestone 1: 50 percent reduction to the receiving water limitation in the constituent for which there is a TMDL compared to a baseline established through the RAA Process in Section 3.3 by 3/23/2026.
- Milestone 2: 75 percent reduction to the receiving water limitation in the constituent for which there is a TMDL compared to a baseline established through the RAA Process in Section 3.3 by 3/23/2029
- Milestone 3: Attainment of established receiving water limitations in the constituent which there is a TMDL by 3/23/2032.

Those constituents on the 303(d) list, for which a TMDL has not yet been established, would normally require the development of a TMDL. Because a large portion of the data used for the Water Quality Priorities portion of the EWMP was more than five years old, additional monitoring under the CIMP is recommended as an initial milestone. This will help to assess whether exceedance issues are current and in need of further action or if implementation programs established for DC/Harbor Toxics TMDLs are already addressing the remaining constituents. It is expected that the sediment management measures and BMPs that will be implemented through the DC/Harbor Toxics TMDL will also reduce the remaining constituents. Progress toward reducing exceedances of these constituents can be monitored through the CIMP and will be assessed under the adaptive management framework as outlined in Section 6.

During the development of the DC/Harbor Toxics TMDL, the U.S. EPA found that Diazinon, a constituent currently on the 2010 303(d) list for the Dominguez Channel, was not at levels above water quality benchmarks for this water body. The assessment concluded that the water body was attaining standards for Diazinon and did not require the development of a TMDL for that pollutant. Since its de-registration in 2005, Diazinon levels have decreased in the Dominguez Channel and appear to no longer be the cause of impairment to the water body. Diazinon will continue to be monitored under the CIMP efforts, and monitoring results will be used to evaluate whether specific actions are needed to address this constituent.

The U.S. EPA determined that ammonia levels in the Dominguez Channel and the Dominguez Channel Estuary were meeting water quality objectives (NOAA, 1999). This constituent remains on the 2010 303(d) list for these water bodies, though the State may consider delisting it during the next 305b/303d Integrated Report. For this reason, ammonia remains a water quality priority, but is assumed to be in compliance with water quality objectives. Ammonia will continue to be monitored under the CIMP efforts, and monitoring results will be used to evaluate whether specific actions are needed to address this constituent.

If Category 2 or 3 constituents show ongoing exceedances, an action plan will be developed to identify and mitigate sources of those pollutants within the time frames shown in Attachment E. Progress toward reducing loading of the constituents will be assessed at the end of Milestone 1, and, if necessary, treatment measures for these constituents will be identified.

Machado Lake

Machado Lake will achieve its final trash TMDL deadline of 3/6/2016 through the installation of full capture devices or their equivalent. The Lake will achieve its final nutrient TMDL of 9/11/2018 through the Machado Lake restoration and the replacement of lake water with highly treated water from the Terminal Island Water Reclamation Plant. It will achieve its final toxics TMDL of 9/30/2019 through the Machado Lake and Wilmington Drain restorations, which will remove the residual sediments and associated constituents. Upstream capture devices installed in response to the Trash TMDL and street sweeping activities will reduce discharge of constituents associated with sediments. Monitoring through the CIMP will verify effectiveness. For ongoing nutrient discharges from upstream sources, highly purified water from the Terminal Island Water Reclamation Plant will be used to blend down the nutrient levels to achieve the receiving water limitation in the lakes. Upstream sources will be reduced through the implementation of BMPs associated with achieving receiving water limitations in the Wilmington Drain.

Bacteria is a category 3 pollutant for Machado Lake. Ongoing monitoring through the CIMP will evaluate the frequency and persistence of exceedances. BMPs will be implemented to achieve the water quality criteria by 2040.

Wilmington Drain

No TMDL has been established for the Wilmington Drain, though one for coliform bacteria and one for metals (dissolved copper and dissolved lead) were scheduled to be issued in 2014 and 2019, respectively. During the renegotiation of the Montrose Superfund Site Consent Decree (NOAA, 1999), the U.S. EPA determined that metals in the Wilmington Drain were meeting water quality objectives and that TMDL development was not necessary at that time. Metals remain on the State's 2010 303(d) list for the Wilmington Drain, but may be considered for delisting during the next 305b/303d Integrated Report. Both metals and bacteria will be monitored through the CIMP and will be addressed through TMDL development or in accordance with the approach outlined for constituents not addressed by a TMDL that are not in the same chemical class as those constituents addressed by a TMDL.

Other constituents that showed exceedances of water quality objectives for the Wilmington Drain, but are not on the State's 303(d) list, include total nitrogen and historical organics (DDT, chlordane, Dieldrin, and PCBs).

Because no pollutants in the Wilmington Drain are Category 1, but, instead, are Category 2 and 3, BMPs to achieve water quality objectives for metals and organic toxic pollutants from sources to the Wilmington Drain will be implemented along the same timeframe as those for Machado Lake. If needed, BMPs to achieve water quality criteria for bacteria will be phased in, with ultimate achievement of water quality criteria for bacteria planned in 2040.

An implementation schedule to achieve water quality criteria is provided in Section 5 and explanations of how the schedules were determined are in Section 3.

Los Angeles Harbor Waters

The DC/Harbor Toxics TMDL contains three implementation phases for the Greater Los Angeles and Long Beach Harbor Waters (including Consolidated Slip). The DC WMG has set milestones for achieving load reductions. These implementation phases load reduction milestones are the same as are summarized above for the Dominguez Channel.

The LA Harbor Bacteria TMDL addressed bacteria exceedances in Inner Cabrillo Beach and portions of the Los Angeles Harbor. Monitoring will continue at this site and the Main Ship Channel. The City of Los Angeles has filed a Time Schedule Order for the Inner Cabrillo Beach. Compliance targets have been attained at the Main Ship Channel as there have been zero exceedances at this site.

Table 2-5: DC WMA Receiving Water Bodies Final Compliance Schedule				
Water Body	**Category 1 (TMDL)**			**Category 2 (303(d) List) & 3 (Other)**
	50%	75%	100%	100%
Dominguez Channel (lined portion above Vermont Ave)	2026	2029	2032	2040
Torrance Lateral	2026	2029	2032	2040
Dominguez Estuary (unlined portion below Vermont Ave)	2026	2029	2032	2040
Machado Lake	2019*	2019*	2019*	2040
Wilmington Drain	None	None	None	2040
LA Harbor - Cabrillo Marina	2026	2029	2032	None
LA Harbor -Consolidated Slip	2026	2029	2032	2040
LA Harbor -Fish Harbor	2026	2029	2032	None
LA/LB Inner Harbor	2026	2029	2032	2040
LA/LB Outer Harbor	2026	2029	2032	2040
LA Harbor - Inner Cabrillo Beach	2026	2029	2032	None

*Machado Lake is 2016 for trash, 2018 for nutrients, and 2019 for toxics.

3. Reasonable Assurance Analysis Approach

As specified in Part VI.C.1.g of the MS4 Permit, an EWMP comprehensively evaluates the opportunities that, wherever feasible, retain all non-stormwater, such as overflow irrigation, and stormwater runoff from the 85th percentile, 24-hour storm event from the tributary watershed. These projects are also referred to as regional EWMP projects. Areas that drain to regional EWMP projects are considered in compliance with all water quality standards. For the remaining areas, an RAA must be conducted to demonstrate that selected BMPs provide reasonable assurance that applicable WQBELs and RWLs will be attained.

This section explains the methodology of the RAA for the DC WMG EWMP. The RAA developed by the DC WMG is in conformance with the RAA Guidelines developed by the Regional Board.

Attachment F discusses in detail the model setup, calibration and validation process associated with stormwater flow through the system and the corresponding water quality. The incremental approach for demonstrating compliance with MS4 Permit requirements is also discussed and includes the implementation of modified MCMs, industrial and other permitted sites, regional BMP projects, and green streets. A cost estimate and schedule for implementation have been developed for inclusion in the EWMP based on the RAA and are provided in later sections of this document.

The purpose of the RAA is to demonstrate that the implementation scenarios proposed in the EWMP will meet the applicable WQBELs and RWLs within the DC WMG. This is done by demonstrating load reductions for the 85th percentile 24-hour storm and the 90th percentile load. Typically, the 85th percentile, 24-hour storm event volume is addressed by regional projects. The 90th percentile load criteria was used to propose other control measures, as addressing the 90th percentile load provides reasonable assurance with meeting water quality objectives. Capture of the 90th percentile 24-hour load and volume provides a high threshold for constituent loads to not escape the BMPs. More detail is provided in the following sections on selection of the appropriate storm/load for this criterion and the expected load reductions and constituent concentrations after the BMPs associated with this criterion are implemented. In many cases, 90th percentile loads with similar volumes to the 85th percentile 24-hour storm volume provide a double assurance that loads will meet RWQCB permit requirements and water quality objectives.

3.1 Modeling System

The RAA for the DC WMG was conducted using the BMP modeling system Watershed Management Modeling System (WMMS). WMMS is a regional model developed by the LACFCD and is comprised of two main components: Loading Simulation Program in C++ (LSPC) and the Regional Optimization system. The Regional Optimization system was not used while conducting the DC WMG RAA. LSPC was developed from the Hydrologic Simulation Program - FORTRAN (HSPF) used for simulating hydrology, sediment, and general water quality. The model generates runoff based on rainfall, snow, and groundwater inputs, estimates pollutant loading and transport based on point source data, aerial deposition, and non-point source loadings, estimates chemical and transport interactions within stream reaches, and can provide water quality data based on the interactions for specified locations. WMMS and the LSPC modeling component are included in the list of approved watershed models for conducting a RAA outlined in Part VI.C.5.b.iv.(5) of the MS4 Permit.

Additional information regarding WMMS and LSPC is available from the Los Angeles County Department of Public Works (LACDPW) (2008, 2010a, 2010b, 2010c, 2011, 2013). Information pertaining to LSPC is available from the United States Environmental Protection Agency (USEPA, 2003). The documents can be found on the WMMS homepage (http://dpw.lacounty.gov/wmd/wmms/) where it can also be downloaded.

3.2 RAA Process Approach

The following sections discuss the RAA process approaches for wet weather and dry weather.

3.2.1 Dry-Weather RAA Approach

The approach to the dry-weather portion of the DC WMG RAA was to evaluate the volume and sediment reduction potential provided by proposed regional and distributed BMP projects to estimate how much of the dry-weather flows would be addressed. This approach does not include the use of a hydrologic predictive model due to data set limitations and significant spatial variation throughout the DC WMG for dry-weather flows. Estimated daily yields were derived from local dry-weather flow monitoring data collected at the existing Mass Emissions site (MES) S28 (illustrated in Figure 2-1) and is summarized in Table 3-1. The monitoring data collected at S28 was analyzed to determine an average discharge per acre ratio per month for the period of analysis (2002-2012). The resulting monthly averages were then applied to the DC WMG area to identify the volume per day generated within the group area. The flows presented in the table represent existing conditions and do not take into account the control measures proposed in this EWMP.

Table 3-1: Average Monthly Dry-Weather Flow in DC WMG

Month	Average Flow (cfs) / Acre	DC WMG Volume per Day (acre-feet / day)
January	0.00026	19.41
February	0.00032	23.89
March	0.00033	24.64
April	0.00035	26.13
May	0.00025	18.66
June	0.00041	30.61
July	0.00030	22.4
August	0.00024	17.92
September	0.00022	16.42
October	0.00027	20.16
November	0.00020	14.93
December	0.00022	16.42

Flows captured through regional BMP implementation were subtracted from the total assumed non-stormwater flows (presented in Table 3-1) to quantify pollutant load reductions. The BMPs used for this analysis are discussed further in Section 4. Based on the volume of storage provided by the proposed regional BMPs, the dry-weather flows will be eliminated, as encouraged by the MS4 Permit. The volume provided by the proposed control measures is significantly greater than the volume of dry-weather runoff produced within the DC WMG.

3.2.2 Wet-Weather RAA Approach

The wet-weather RAA approach allowed for estimating the level of BMP implementation needed to meet applicable WQBELs and RWLs. This approach incorporated pollutant prioritization and structural BMP implementation scenarios, while considering stakeholder input through a transparent process.

The wet-weather RAA approach involved the estimation of both the existing pollutant loads (baseline) and target load reductions as a percentage of the total load. WMMS provided optimized load reduction targets, recommended distribution of BMPs, and cost estimates.

Once the baseline conditions were estimated, watershed control measures were selected and modeled to be implemented over time to meet applicable WQBELs and RWLs. The selected control measures, such as regional BMP projects, distributed BMPs (green streets), and MCMs, were then modeled at various stages within the implementation time frame to estimate the quantity, location, and timing of BMP implementation to meet the interim and final WLAs applicable to the DC WMG. Targets for the RAA are based on interim time steps throughout the MS4 Permit time frame.

The Category 1, 2, and 3 pollutant loads were assessed – either directly based on the loading functions in WMMS, or indirectly, based on their similar fate and transport properties to the pollutants for which there are loading functions in WMMS. Trash was not explicitly modeled because trash will be addressed through the installation of full capture or equivalent devices as required by the Machado Lake Trash TMDL by 2016. Bacteria was modeled, however, it is not the limiting pollutant based on high flow suspension and allowable exceedance days. The limiting pollutant is that one pollutant that, when its load is reduced to the planning objectives, all other pollutants are commensurately reduced to their planning objectives in the same collection of BMPs.

3.3 Modeling Approach

Demonstrating compliance through the RAA is an iterative process. The model includes different BMP scenarios at the compliance time steps and different approaches to BMP implementation are modeled to evaluate the most cost effective approach. The iterative process involves model calibration, model validation, baseline simulation, evaluation of the limiting pollutant, evaluation of required volume and load reductions, and control measure implementation, all of which are further detailed in Attachment F. A brief overview is presented in the sections below.

3.3.1 Model Calibration

LSPC Calibration

Calibration refers to the adjustment or fine-tuning of modeling parameters to reproduce model outputs that match, within some tolerable variance, observations of field monitoring data. The goal of the LSPC model calibration was to obtain physically realistic model predictions by selecting parameter values that reflect the unique characteristics of the DC WMA. Spatial and temporal aspects were evaluated through the calibration process. Model calibration and validation were necessary to demonstrate the calibrated model properly assessed all the model parameters and modeling conditions that can affect model results for hydrologic and water quality analyses. The Regional Board provided acceptable model calibration criteria in Table 3.0 of the RAA Guidelines.

Water Quality Calibration

The LACFCD operates the Los Angeles County Monitoring Program to provide technical data and information to support effective watershed stormwater quality management programs in Los Angeles County which includes MES S28. MES are equipped with automated water samplers and stage recorders that collect both composite and grab samples during storm events. The subwatershed tributary to MES S28 is comprised of 42 subbasins within the greater DC WMA. Although MES S28 is located in the upper half of the DC WMA, the subwatershed land use and hydrological characteristics are representative of the entire DC WMA with respect to water quality constituent composition and concentrations. As more water quality data is collected through the CIMP, validation and fine tuning of the water quality parameters may be possible. The data collected at MES S28 is collected as an event mean concentration (EMC), which is done by either collecting one sample throughout the event or combining multiple samples collected

throughout time into a combined sample for lab analysis. One sample represents the mean concentration for that event, which is generally 24 hours or more. The model then simulates daily outputs and the simulated daily values are averaged over the time frame of the observed rain event. For example, an observed rain event may last two to three days and the observed EMC is derived from the number of samples collected (at the particular location) and mixed together and averaged over the length of event. The simulated results are taken from the same time period and averaged to derive a simulated EMC.

Note that this calibration does not take into account any mixing in the estuary or harbor that may occur. Monitoring data of sufficient time periods is not available for calibration at those points.
The model used for the DC WMG RAA was calibrated based on the following water quality calibration parameters.

- Total Suspended Solids (TSS)
- Metal parameters – copper, lead, and zinc
- Fecal coliform
- Total nitrogen and total phosphorus

Fecal coliform was used rather than E. coli because there are modeling parameters established for fecal coliform, but not E. coli.
Historical organics, such as PCBs and DDT, are often correlated to sediments. Relationships between TSS and historical organics were evaluated to determine if TSS could be used as a surrogate. As there are significant non-detects in the available water quality data, a relationship between historic organics and TSS could not be established in the available Dominguez Channel monitoring data. Other studies have shown that relationship between TSS and historical organics can exist; however, the water quality depends on the storm event, soil disturbance, and other factors. Historical organics are typically deposited over time in water bodies with low velocities. Removing the accumulated sediments will help address historic organics and the existing superfund programs and other construction site regulations will reduce the amount of historic organics conveyed to downstream receiving waters. It is expected that organics will not be an issue once the historic sediment deposits are removed. Additionally, the control measures proposed by this EWMP will reduce discharges to these water bodies by capturing flows for infiltration. Legacy organic pollutants will be addressed by capturing the other pollutants throughout the DC WMG.

Dry-weather flows were also calibrated in the initial phases of model calibration. Empirical data was incorporated into the model as point source to simulate dry-weather conditions. Current dry-weather flows are expected to occur until the proposed wet-weather control measures are implemented, which will capture those flows as explained in Section 3.2.1. Once it was determined that wet-weather control measures would address dry-weather runoff, it was no longer considered a major component of the modeling.

The results from the calibration are provided in Figure 3-1 through Figure 3-8. Additional details regarding the calibration process are provided in Attachment F. The figures demonstrate the goodness of fit between the calibrated model and the existing data.

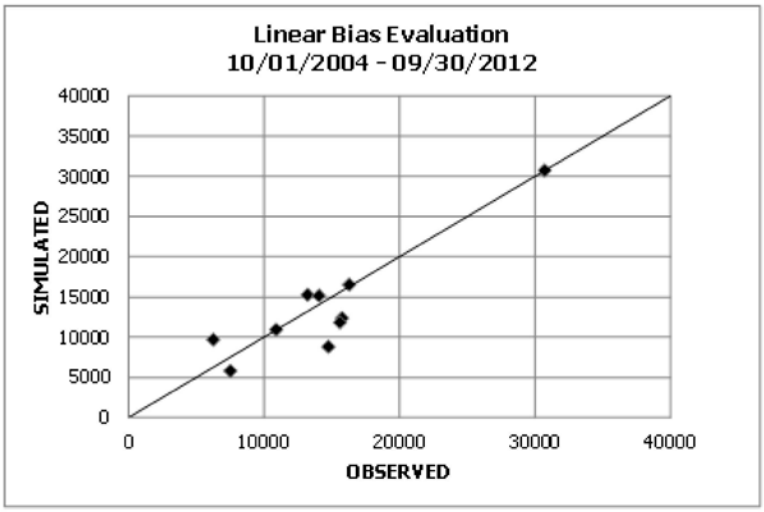


Figure 3-1: Flow Calibration Statistics at MES S28

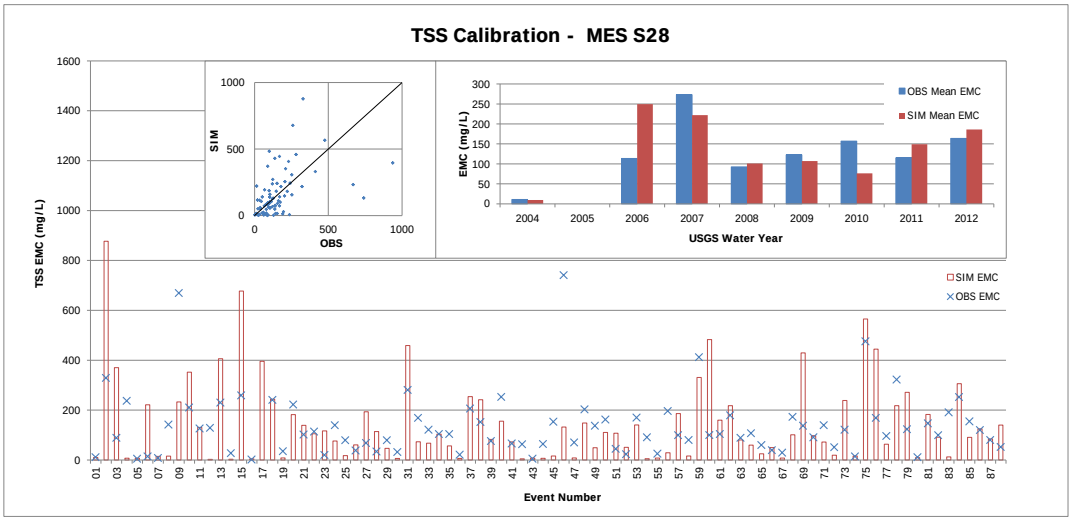


Figure 3-2: TSS Calibration Statistics at MES S28

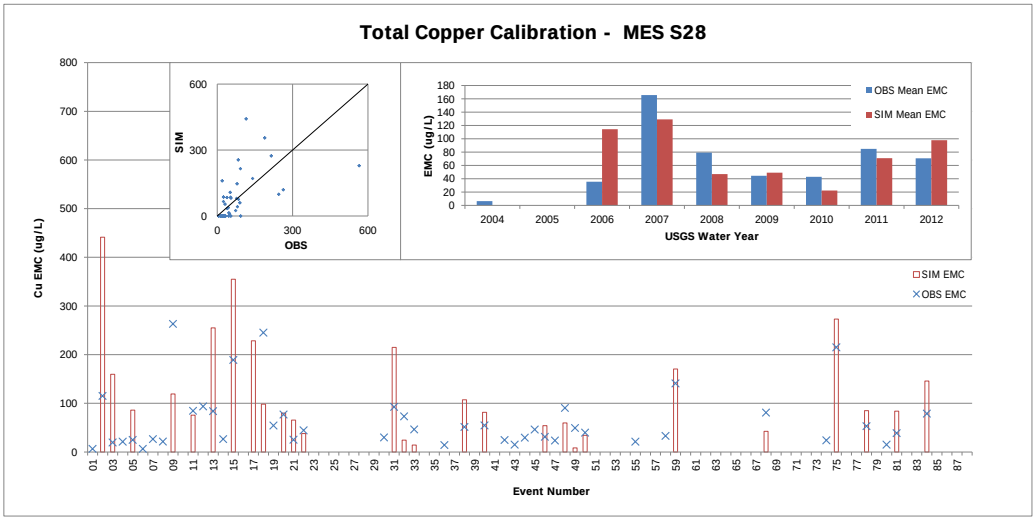


Figure 3-3: Copper Calibration Statistics at MES S28

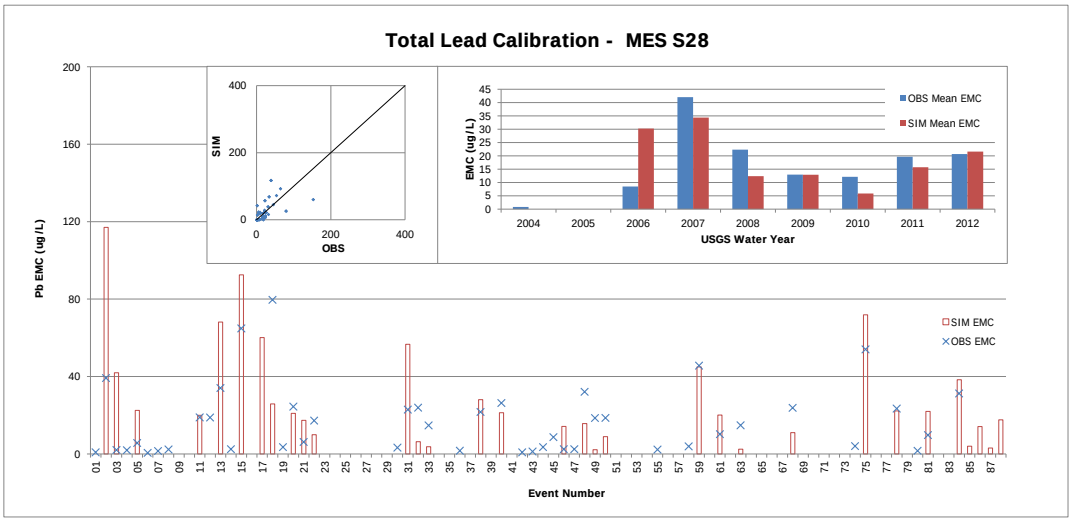


Figure 3-4: Lead Calibration Statistics at MES S28

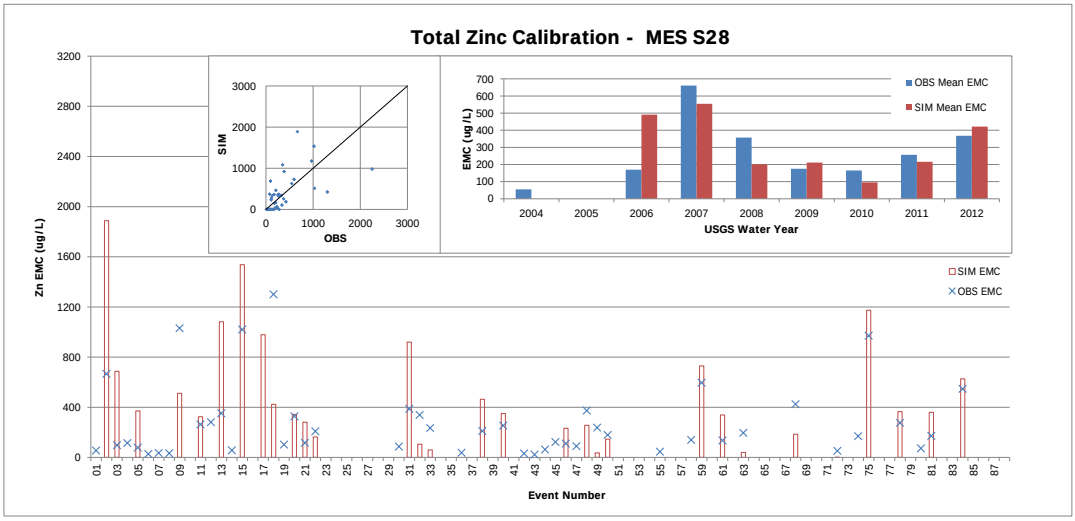


Figure 3-5: Zinc Calibration Statistics at MES S28

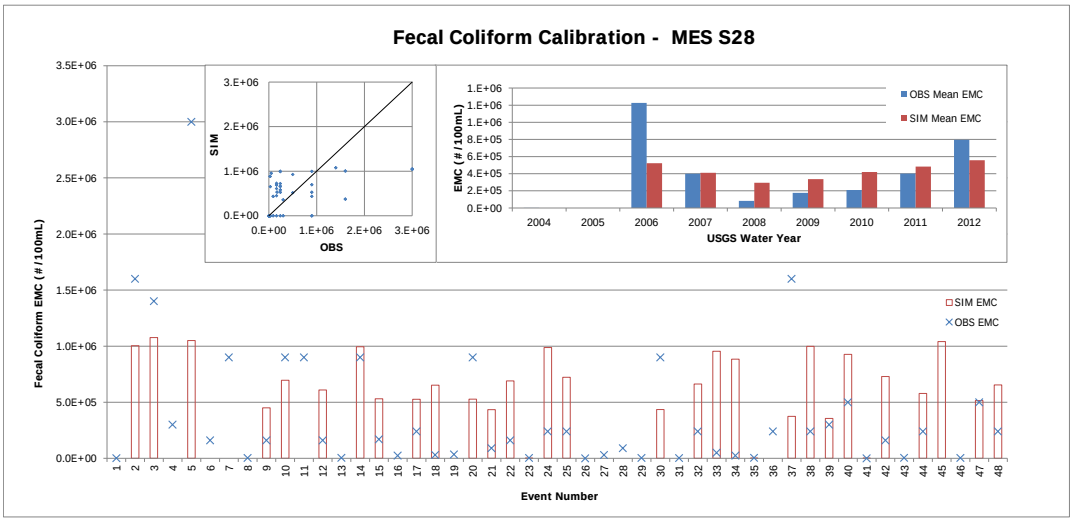


Figure 3-6: Fecal Coliform Calibration Statistics at MES S28

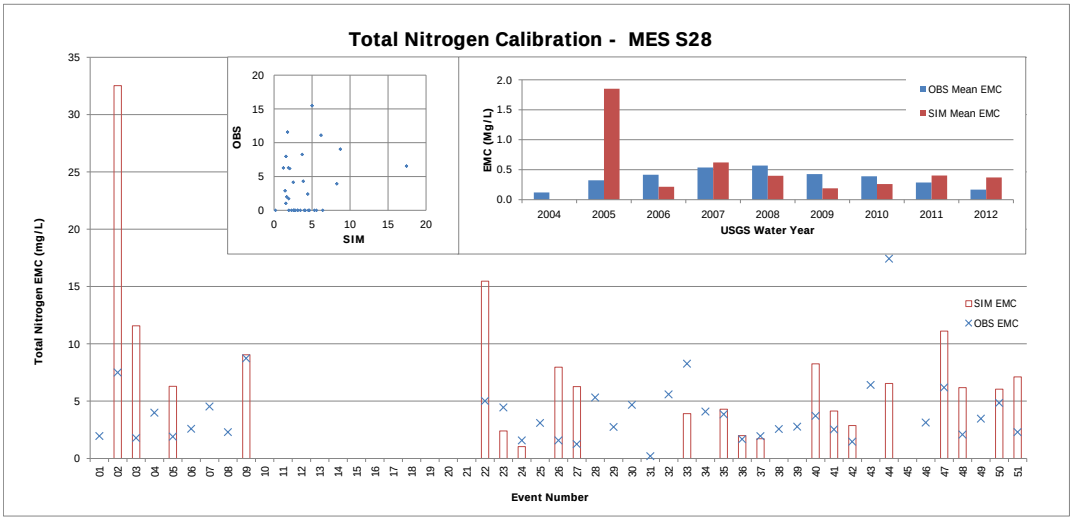


Figure 3-7: Total Nitrogen Calibration Statistics at MES S28

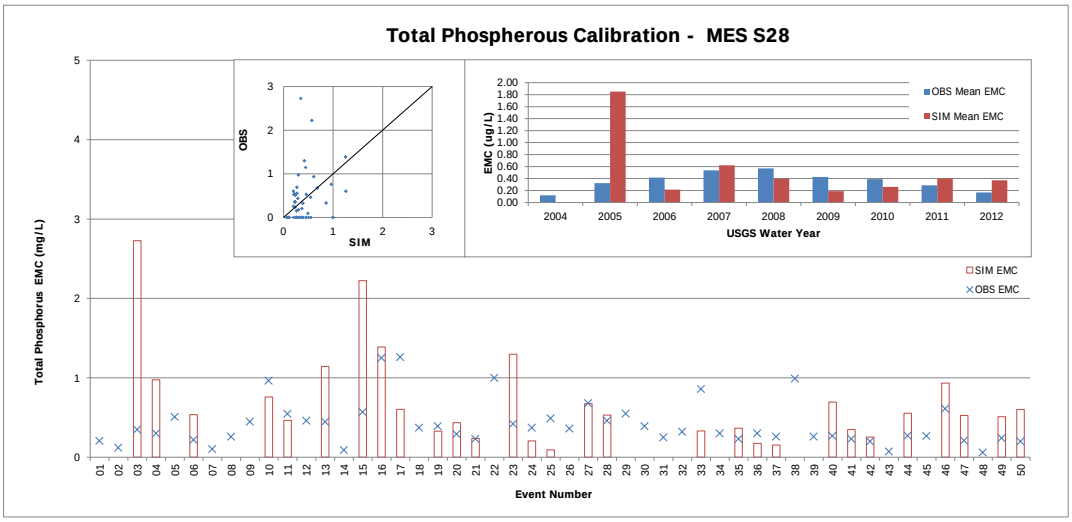


Figure 3-8: Total Phosphorus Calibration Statistics at MES S28

3.3.2 Model Validation

After the model was calibrated it was validated. During the calibration effort, hydrology, sediment, and general water quality parameters were varied to develop a best fit of Hydrologic Response Unit (HRU) and EMC responses. The validation effort evaluated responses at tributary stations (TS) where the record is not long enough to be used for calibration, but may be used to evaluate performance of the model by comparing simulated model results with the observed record at each TS. The TS are located at the following locations, all within LACFCD facilities:

- TS 19: Reinforced concrete rectangular channel at Figueroa Street, south of Del Amo Boulevard
- TS 20: Del Amo Channel - reinforced concrete trapezoidal channel at Avalon Boulevard
- TS 21: Reinforced concrete rectangular channel near 173rd Street and Merit Avenue
- TS 22: Hollypark Drain - reinforced concrete rectangular channel at 135th Street
- TS 23: Yukon Lateral - reinforced concrete rectangular channel at Crenshaw Boulevard
- TS 24: Dominguez Channel - reinforced concrete box near 116th Street and Isis Avenue

The validation effort used simulated model results of the general water quality constituents – TSS, copper, lead, zinc, fecal coliform, total nitrogen, and total phosphorus, and compared them to the observed records at TS19 – 24. Validation of the baseline condition at the various temporary stations has bias numbers that reflect the lack of long term records and the potential issue of the EMC of observed samples not being representative of the event pollutographs during collection. Dry-weather data was not validated because it was determined that wet-weather controls would address dry-weather runoff. Additionally, the limited dry-weather data was not sufficient to perform validations for dry-weather flows on an average monthly basis.

3.3.3 Baseline Simulation

A baseline analysis was performed which represents the current watershed condition based on existing stormwater programs. Stormwater runoff was simulated based on the time series record of rainfall between October 2002 and September 2012. This period represents the most recent 10 years of record as required by the MS4 Permit. The water quality constituent mass loading is estimated by multiplying the stormwater runoff volume by the water quality constituent concentration. As part of the baseline analysis, the industrial permitted and other permitted facilities were identified. These facilities are modeled as compliant, meaning the parcels did not contribute to the flow, volume, or constituent loading, as they are covered under other stormwater permits. These facilities are illustrated in Figure 3-9 and listed in Attachment G and Attachment H.

The baseline and subsequent simulations analyzed the DC WMG area based on five distinct watersheds, each tributary to different receiving waters. The five watersheds include the Dominguez Channel, Dominguez Channel Estuary, Wilmington Drain, Machado Lake, and the Harbor. These watersheds are shown in Figure 3-10. The baseline simulation and 90th percentile analysis were performed for each of the watersheds.

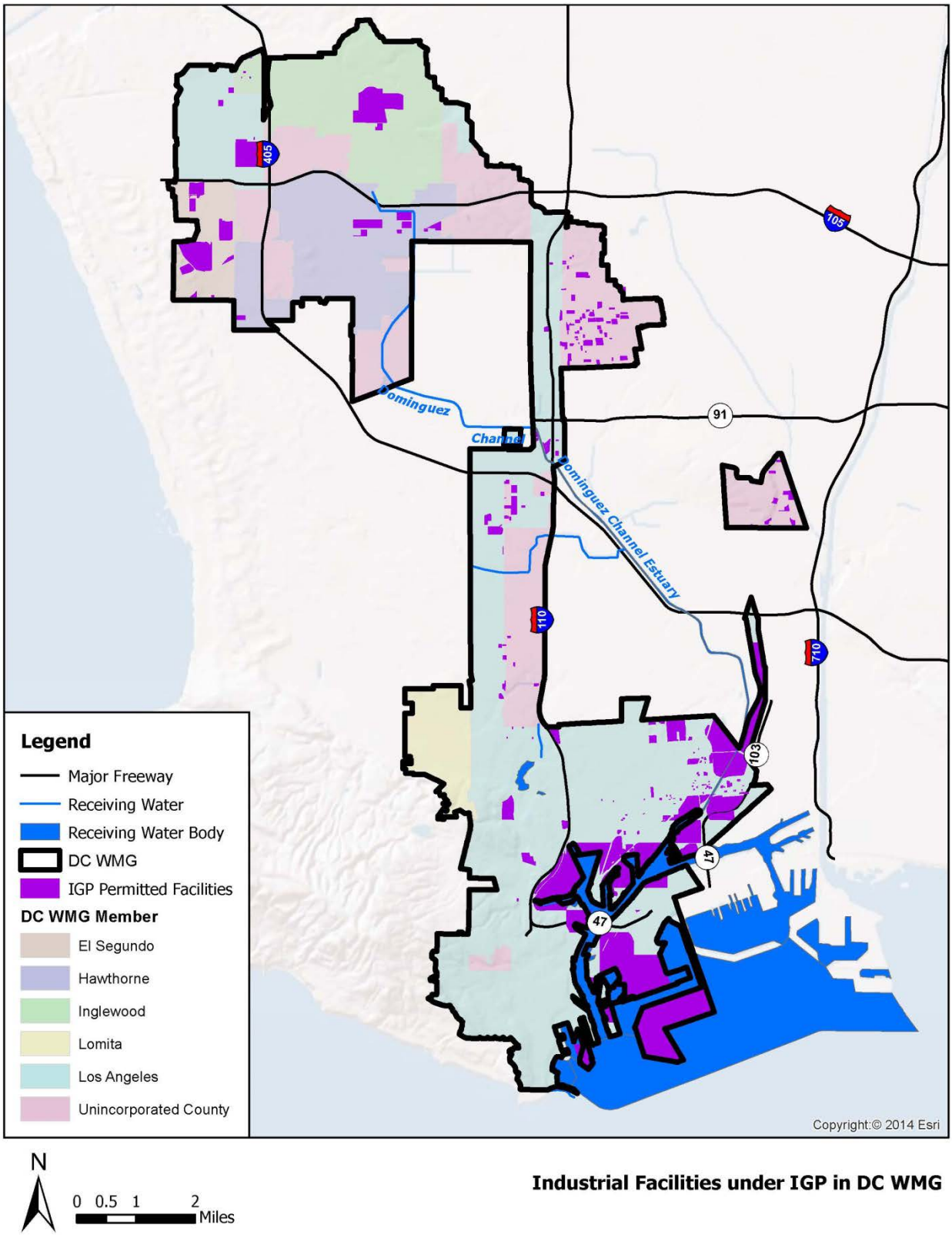


Figure 3-9: Industrial Facilities under IGP in DC WMG

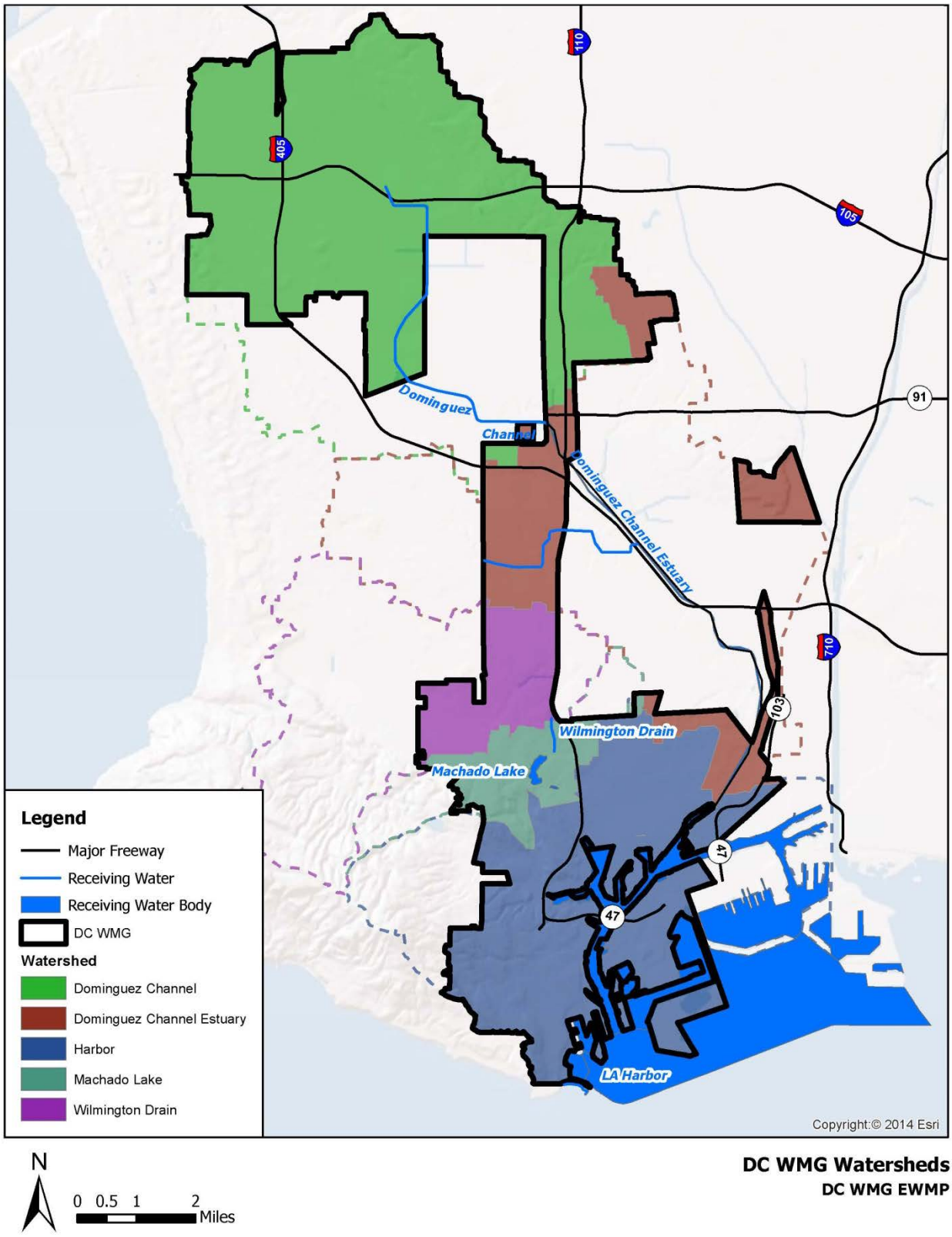


Figure 3-10: DC WMG Watersheds

The baseline hydrology and simulated constituent loading serves as the basis for compliance. The load reductions represent the difference between the baseline conditions and the water quality objectives. The 85th percentile, 24-hour rainfall event baseline simulation is based on the LACFCD 85th percentile rainfall isohyets and unit hyetograph, consistent with the Standard Urban Stormwater Mitigation Plan (SUSMP) and Low Impact Development (LID) methods used within the County. The loads for this event are generated by the model. The volume of runoff for capture under this criterion is estimated from the LSPC output to be 1,523 acre-feet.

The 90th percentile load baseline is estimated from the 2002-2012 water years based on the loads generated before any BMPs are implemented. This analysis was performed for each of the five watersheds and is presented in Section 3.4.4, as this information was also used in determining the required volume and load reduction.

Table 3-2 through Table 3-6 summarize the results of the LSPC simulation for the water years beginning October 1st and ending September 30th from 2002 to 2012 for each of the five major watersheds. The table compares the six major water quality constituents with adopted TMDLs and identifies the annual load and corresponding volume for each year analyzed. The average annual loads are also provided for the simulation period. Total nitrogen and total phosphorus are included for the Wilmington Drain and Machado Lake Watersheds because of the Machado Lake Nutrients TMDL.

Table 3-2: Dominguez Channel Watershed – Annual Loads and Volume							
Start	**End**	**Volume (ac-ft)**	**TSS (kg)**	**Copper (kg)**	**Lead (kg)**	**Zinc (kg)**	**Fecal Coliform (MPN)**
10/1/02	9/30/03	10,785.64	1,653,025.57	692.82	162.88	2,697.80	1.06E+17
10/1/03	9/30/04	8,224.93	1,217,251.86	578.41	132.83	2,215.55	6.84E+16
10/1/04	9/30/05	23,889.84	3,590,190.72	1,066.94	205.39	3,168.54	2.65E+17
10/1/05	9/30/06	8,721.22	1,488,277.84	730.87	173.42	2,871.92	7.51E+16
10/1/06	9/30/07	3,586.61	426,006.76	377.42	79.68	1,359.38	8.21E+15
10/1/07	9/30/08	10,589.63	1,336,606.77	561.38	126.51	2,106.17	1.03E+17
10/1/08	9/30/09	8,139.89	1,147,055.49	550.43	125.58	2,099.04	6.87E+16
10/1/09	9/30/10	10,885.81	1,602,439.10	689.04	162.07	2,690.55	1.05E+17
10/1/10	9/30/11	15,477.34	1,952,793.20	721.63	168.11	2,778.03	1.64E+17
10/1/11	9/30/12	7,236.76	1,369,686.88	740.79	175.86	2,914.19	5.68E+16
Average Annual:		**25,649**	**4,989,383**	**1,513**	**322**	**5,986**	**4.42E+17**

Table 3-3: Dominguez Channel Estuary Watershed – Annual Loads and Volume							
Start	**End**	**Volume (ac-ft)**	**TSS (kg)**	**Copper (kg)**	**Lead (kg)**	**Zinc (kg)**	**Fecal Coliform (MPN)**
10/1/02	9/30/03	4,861.77	694,715.88	243.97	49.86	1,021.84	8.73E+16
10/1/03	9/30/04	3,135.93	420,958.55	187.35	36.81	750.84	4.48E+16
10/1/04	9/30/05	9,952.87	1,162,293.46	273.30	54.21	1,092.27	2.01E+17
10/1/05	9/30/06	3,222.85	499,614.41	223.42	44.96	920.85	4.74E+16
10/1/06	9/30/07	1,421.54	179,264.43	138.18	25.40	524.27	5.69E+15
10/1/07	9/30/08	4,522.77	584,767.06	204.65	40.64	831.22	7.80E+16
10/1/08	9/30/09	3,818.80	476,251.09	182.00	35.25	722.60	6.17E+16
10/1/09	9/30/10	5,292.34	770,497.66	256.92	51.29	1,043.02	9.51E+16
10/1/10	9/30/11	6,780.96	901,271.36	310.72	58.11	1,144.16	1.28E+17
10/1/11	9/30/12	2,898.58	546,749.57	253.16	51.75	1,059.08	3.99E+16
Average Annual:		**4,590.84**	**623,638.35**	**227.37**	**44.83**	**911.01**	**7.89E+16**

Table 3-4: Wilmington Drain Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)	Total Nitrogen (kg)	Total Phosphorus (kg)
10/1/02	9/30/03	2,009.77	339,107.92	127.24	28.13	448.19	1.75E+16	9,025.56	859.23
10/1/03	9/30/04	1,215.21	157,036.98	74.13	16.42	272.96	8.32E+15	5,979.13	563.85
10/1/04	9/30/05	3,754.98	834,479.83	285.77	48.19	684.59	3.53E+16	14,654.85	1,626.27
10/1/05	9/30/06	1,336.46	203,415.91	99.31	23.27	382.06	9.69E+15	7,788.94	715.67
10/1/06	9/30/07	712.80	159,474.41	102.05	24.03	393.97	2.48E+15	7,999.65	725.93
10/1/07	9/30/08	1,815.29	208,272.28	78.56	17.64	292.34	1.53E+16	6,302.86	597.77
10/1/08	9/30/09	1,432.70	187,697.17	79.57	17.71	292.41	1.08E+16	6,309.17	596.37
10/1/09	9/30/10	2,367.94	380,187.83	132.97	28.43	449.50	2.10E+16	9,192.61	892.44
10/1/10	9/30/11	2,547.68	331,262.56	115.65	27.49	448.20	2.37E+16	8,907.66	825.72
10/1/11	9/30/12	1,156.48	206,660.51	112.37	26.82	437.70	7.64E+15	8,715.54	791.20
Average Annual:		**1,834.93**	**300,759.54**	**120.76**	**25.81**	**410.19**	**1.52E+16**	**8,487.60**	**819.45**

Table 3-5: Machado Lake Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)	Total Nitrogen (kg)	Total Phosphorus (kg)
10/1/02	9/30/03	1,565.22	349,726.31	133.03	22.61	341.45	1.38E+16	7,712.97	822.70
10/1/03	9/30/04	918.20	110,541.16	52.93	10.94	189.36	6.16E+15	4,461.29	426.00
10/1/04	9/30/05	2,637.23	532,556.39	174.83	28.44	419.75	2.55E+16	9,520.55	1,049.75
10/1/05	9/30/06	991.32	156,228.00	74.53	16.77	283.85	7.05E+15	6,059.23	559.14
10/1/06	9/30/07	556.30	110,719.45	69.93	15.43	264.93	1.71E+15	5,786.09	531.16
10/1/07	9/30/08	1,327.33	152,887.64	57.00	11.92	205.09	1.12E+16	4,741.95	455.44
10/1/08	9/30/09	1,007.99	126,020.52	57.63	12.26	210.27	7.33E+15	4,802.14	454.95
10/1/09	9/30/10	1,814.18	347,631.37	124.90	21.73	333.03	1.64E+16	7,524.73	794.25
10/1/10	9/30/11	2,014.21	282,987.89	92.06	19.64	325.00	1.91E+16	6,909.76	663.20
10/1/11	9/30/12	801.67	124,080.47	65.66	14.23	246.89	4.84E+15	5,502.40	510.54
Average Annual:		**1,363.37**	**229,337.92**	**90.25**	**17.40**	**281.96**	**1.13E+16**	**6,302.11**	**626.71**

Table 3-6: Harbor Watershed – Annual Loads and Volume							
Start	**End**	**Volume (ac-ft)**	**TSS (kg)**	**Copper (kg)**	**Lead (kg)**	**Zinc (kg)**	**Fecal Coliform (MPN)**
10/1/02	9/30/03	12,003.98	2,095,957.03	571.09	93.62	2,081.62	2.32E+17
10/1/03	9/30/04	6,825.41	1,034,047.48	339.14	58.63	1,406.83	1.07E+17
10/1/04	9/30/05	20,160.47	3,033,366.45	657.76	108.45	2,401.93	4.12E+17
10/1/05	9/30/06	6,749.71	1,342,996.20	456.18	82.43	1,989.55	1.04E+17
10/1/06	9/30/07	3,719.28	967,491.79	418.54	75.46	1,796.73	3.26E+16
10/1/07	9/30/08	10,945.49	1,500,407.62	385.57	62.98	1,434.51	2.05E+17
10/1/08	9/30/09	6,174.41	958,435.33	333.54	57.78	1,376.68	8.89E+16
10/1/09	9/30/10	13,643.10	2,721,003.99	781.23	114.38	2,288.11	2.62E+17
10/1/10	9/30/11	14,501.56	2,744,594.68	756.12	116.18	2,435.63	2.83E+17
10/1/11	9/30/12	5,062.31	1,047,431.77	403.57	71.95	1,726.03	6.31E+16
Average Annual:		**9,978.57**	**1,744,573.23**	**510.27**	**84.19**	**1,893.76**	**1.79E+17**

3.3.4 Evaluation of Required Volume and Load Reductions

The DC WMG RAA examines the 85th percentile, 24-hour storm event volume and the 90th percentile constituent load to estimate the limiting pollutant and the corresponding volumes of required treatment. The limiting pollutant is the constituent with the highest mass load associated with a relevant TMDL. This section discusses the limiting pollutant evaluation, 85th percentile, 24-hour storm volume, and the 90th percentile, 24-hour storm load. These factors establish the control measure implementation requirements. Evaluation of the limiting pollutant requires estimating the volumes and loads associated with the 85th percentile, 24-hour runoff volume and the 90th percentile load for baseline conditions and multiple pollutants. Once these values are estimated, the limiting pollutant can be evaluated. The limiting pollutant is that pollutant for which the greatest amount of volume control is required to achieve the 90th percentile load reduction.

85th Percentile, 24-Hour Storm Event Volume

The 85th percentile, 24-hour storm event represents the rainfall event that is greater than 85 percent of all rainfall events over 0.1 inches in a 24-hour period. The 85th percentile isohyetal map developed by LACDPW was used to estimate the appropriate rainfall value for each subarea within the DC WMA. The total rainfall for each subarea was distributed temporally over the 24-hour period using the Los Angeles County unit hyetograph to remain consistent with the SUSMP and LID criteria. This rainfall event was placed in a rainfall file for use with LSPC and the model was run to estimate runoff volumes to compare the 90th percentile volumes on an equal basis. Another analysis was done using the LACDPW Tc (time of concentration) Calculator, developed to simplify use of the modified rational method. The results from LSPC and the Tc Calculator models were reasonably similar and so the LSPC output was used in all future evaluations of the runoff volume from the 85th percentile, 24-hour storm. Figure 3-11 shows the rainfall hyetograph of the 85th percentile, 24-hour storm, along with the associated runoff hydrograph for the DC WMG. The total runoff volume for the 85th percentile, 24-hour storm is 1,523 acre-feet within the DC WMG jurisdiction.

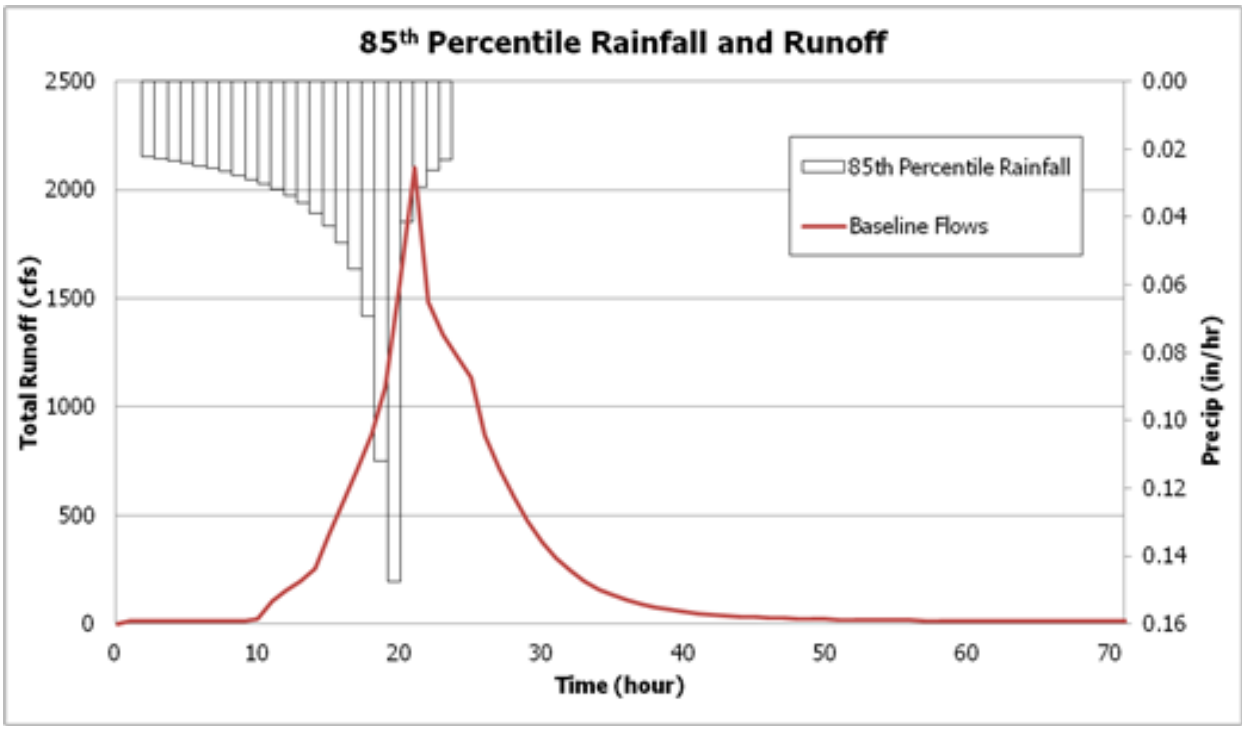


Figure 3-11: 85th Percentile, 24-Hour Storm Hyetograph and Runoff Hydrograph

90th Percentile, 24-Hour Storm Event Constituent Load

Development of the 90th percentile load analysis required analyzing model output following a five step process. The steps in the process are provided below:

1. Evaluated 90th percentile load based on percentile analysis
2. Evaluated 87th through 93rd percentile loads, storm events, volumes, and concentrations
3. Analyzed statistics of these events due to the large range in volume and concentrations providing similar loads
4. Picked storm events for use in determining volumes for capture based on median and mean volumes and concentrations from the 87th through 93rd percentile events
5. Evaluated the 85th percentile, 24-hour volumes and 90th percentile load volumes for similarity

Selection of the storms utilizing this process provides a sound criterion for compliance by evaluating the range in volumes, concentrations, and loads to provide a treatment volume that has the potential to meet the criteria for the 85th percentile, 24-hour event and 90th percentile load reduction. The variability in the data shows that selecting a storm is an important step in the analysis process. By selecting the appropriate storm, flows that exceed the capture volume will mainly have pollutant concentrations below the TMDL concentration limits due to dilution of remaining pollutants. The details of the selection process are provided in the following paragraphs. The results of the analysis are provided later to demonstrate compliance and the reasonableness of the approach.

The 90th percentile load related to entire DC WMG was estimated using LSPC. The 90th percentile constituent loads represent the daily constituent loads that are greater than 89 percent and less than 10 percent of all simulated loads at the output station. The method for estimating the 90th percentile load was to sort all flow days greater than 63 cubic feet per second (cfs) from the calibrated hydrology simulation model for the time series beginning on October 1, 2002 and ending on September 30, 2012. This method is consistent with the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL. Any flow days less than 63 cfs were considered dry-weather and were removed from the wet-weather analysis and treated separately. Flow days greater than 63 cfs have simulated hourly constituent loads in concentration units associated with model storm events and an hourly storm volume was estimated from the runoff hydrograph. The hourly and daily mass loads were the product of the simulated storm volume and the simulated hourly constituent concentration for DC WMG flows. The 90th percentile load was estimated from the simulated daily load. The volume capture for the 90th percentile load was estimated on the day of the actual event plus the following day if flows were greater than 63 cfs on the second day.

Baseline simulations were run with no storm runoff volume reduction. Table 3-7 through Table 3-11 summarize the water quality constituents and the date of the 90th percentile event derived from the simulated model results following the criteria previously outlined in the preceding paragraph for each of the five analyzed watersheds. The volume associated with the 90th percentile load is shown along with the expected (modeled) and objective concentrations and loads. The limiting pollutant is bold in each table and further discussed in Section 3.3.5.

Table 3-7: Dominguez Channel Watershed - 90th Percentile Constituent Load Events								
Constituent	**Date**	**Volume[1] (ac-ft)**	**Concentration[2]**			**Load[3]**		
			Units	**Expected**	**Objective[3]**	**Units**	**Expected**	**Objective**
Copper	1/21/2012	420.9	µg/L	179.19	9.7	kg	92.97	5.03
Lead	1/21/2012	420.9	µg/L	47.32	42.7	kg	24.55	22.16
Zinc	**12/16/2002**	**718.17**	**µg/L**	**397.15**	**69.6**	**kg**	**351.61**	**61.62**
Fecal Coliform	10/30/2010	137.04	MPN/100 mL	1.15E+06	400.0	MPN/100 mL	1.94E+15	6.76E+11

[1] 24-hour volume.
[2] Concentration is the LSPC modeled value using the storm runoff hydrograph for the date specified.
[3] Expected and objective loads equal the concentration multiplied by the volume of storm runoff.

Table 3-8: Dominguez Channel Estuary – 90th Percentile Constituent Load Events								
Constituent	**Date**	**Volume[1] (ac-ft)**	**Concentration[2]**			**Load[3]**		
			Units	**Expected**	**Objective[3]**	**Units**	**Expected**	**Objective**
Copper	2/27/2006	220.86	µg/L	128.92	9.7	kg	35.1	2.64
Lead	1/21/2012	132.02	µg/L	44.41	42.7	kg	7.23	6.95
Zinc	**2/27/2006**	**220.86**	**µg/L**	**603.59**	**69.6**	**kg**	**164.34**	**18.95**
Fecal Coliform	10/30/2010	50.62	MPN/100 mL	1.99E+06	400.0	MPN/100 mL	1.24E+15	2.50E+11

[1] 24-hour volume.
[2] Concentration is the LSPC modeled value using the storm runoff hydrograph for the date specified.
[3] Expected and objective loads equal the concentration multiplied by the volume of storm runoff.

Table 3-9: Wilmington Drain Watershed – 90th Percentile Constituent Load Events								
Constituent	**Date**	**Volume[1] (ac-ft)**	**Concentration[2]**			**Load[3]**		
			Units	**Expected**	**Objective[3]**	**Units**	**Expected**	**Objective**
Copper	12/7/2009	91.38	µg/L	150.29	9.7	kg	16.93	1.09
Lead	4/12/2010	60.77	µg/L	49.44	42.7	kg	3.70	3.20
Zinc	12/17/2010	112.65	µg/L	395.76	69.6	kg	54.96	9.67
Fecal Coliform	10/14/2004	44.58	MPN/100 mL	1.06E+06	235.0	MPN/100 mL	5.84E+14	1.29E+11
Total Nitrogen	**12/17/2010**	**112.65**	**mg/L**	**6.62**	**1.0**	**kg**	**918.93**	**138.87**
Total Phosphorus	4/12/2010	60.77	mg/L	1.11	0.1	kg	83.20	7.49

[1] 24-hour volume.
[2] Concentration is the LSPC modeled value using the storm runoff hydrograph for the date specified.
[3] Expected and objective loads equal the concentration multiplied by the volume of storm runoff.

Table 3-10: Machado Lake Watershed – 90th Percentile Constituent Load Events								
Constituent	**Date**	**Volume[1] (ac-ft)**	**Concentration[2]**			**Load[3]**		
			Units	**Expected**	**Objective[3]**	**Units**	**Expected**	**Objective**
Copper	2/18/2005	49.17	µg/L	152.40	9.7	kg	9.24	0.59
Lead	10/14/2004	23.66	µg/L	64.71	42.7	kg	1.89	1.25
Zinc	12/31/2005	69.74	µg/L	352.80	69.6	kg	30.33	5.98
Fecal Coliform	**2/21/2011**	**24.26**	**MPN/100 mL**	**9.02E+05**	**235.0**	**MPN/100 mL**	**2.70E+14**	**7.03E+10**
Total Nitrogen	12/31/2005	69.74	mg/L	6.56	1.0	kg	563.84	85.98
Total Phosphorus	4/12/2010	41.35	mg/L	1.04	0.1	kg	52.78	5.10

[1] 24-hour volume.
[2] Concentration is the LSPC modeled value using the storm runoff hydrograph for the date specified.
[3] Expected and objective loads equal the concentration multiplied by the volume of storm runoff.

Table 3-11: Harbor Watershed – 90th Percentile Constituent Load Events								
Constituent	**Date**	**Volume[1] (ac-ft)**	**Concentration[2]**			**Load[3]**		
			Units	**Expected**	**Objective[3]**	**Units**	**Expected**	**Objective**
Copper	3/25/2012	589.85	µg/L	89.23	9.7	kg	64.88	7.05
Lead	10/17/2005	150.67	µg/L	69.49	42.7	kg	12.91	7.93
Zinc	**12/23/2003**	**516.60**	**µg/L**	**378.91**	**69.6**	**kg**	**241.31**	**44.32**
Fecal Coliform	12/31/2003	136.85	MPN/100 mL	2.13E+06	400.0	MPN/100 mL	3.60E+15	6.75E+11

[1] 24-hour volume.
[2] Concentration is the LSPC modeled value using the storm runoff hydrograph for the date specified.
[3] Expected and objective loads equal the concentration multiplied by the volume of storm runoff.

3.3.5 Limiting Pollutant Evaluation

The limiting pollutant idea is the concept that if the WBPC that requires the largest load reduction and associated treatment capacity to meet WQBELs and RWLs is captured and treated, all other constituents will be addressed. Meeting all of the WQBELs and RWLs in the DC WMG can be achieved through control of the limiting pollutant. The limiting pollutant in the DC WMG will be determined based on the largest volume of treatment required to capture and infiltrate the 90th percentile load since the DC WMG will implement only infiltration BMPs. The limiting pollutant will control implementation actions and will dictate the volume the control measures must address.

The limiting pollutant was evaluated for each of the five analyzed watersheds. The limiting pollutant is the pollutant with the highest volume associated with the 90th percentile load. By addressing this volume, the 90th percentile load will be addressed for all pollutants. The results of the 90th percentile constituent loads are presented in Table 3-12 through Table 3-16 for each of the watersheds. The volume associated with zinc is the highest for the Dominguez Channel Watershed; therefore zinc is the limiting pollutant. For the Dominguez Channel Estuary, the volume associated with both copper and zinc are the highest, however, copper loads are expected to reduce over fifty percent due to SB 346; therefore zinc was chosen as the limiting pollutant. SB 346 requires incremental reductions in the amount of copper in vehicle brake pads. SB 346 requires most brake pads sold in California to contain less than five percent copper by weight after January 1, 2021. For the Wilmington Drain Watershed, the volume associated with zinc and nitrogen are the greatest; however, zinc is not a priority pollutant as it is not identified as a category 1, 2, or 3 WBPC (as discussed in Section 2). Therefore, nitrogen is the limiting pollutant for the Wilmington Drain Watershed. The volumes associated with zinc and nitrogen are the greatest in the Machado Lake Watershed, however, similar to Wilmington Drain Watershed, zinc is not a category 1, 2, or 3 WBPC. Additionally, nitrogen is expected to be addressed through the Machado Lake Ecosystem Rehabilitation Project discussed below. Copper and phosphorus have the next greatest volumes, but they are also not categorized WBPCs in the Machado Lake watershed; therefore fecal coliform is the limiting pollutant, as it has been identified as a category 3 WBPC in Machado Lake. Lastly, for the Harbor Watershed, copper has the greatest volume followed by zinc. As previously stated, significant copper load reductions are anticipated due to SB 346; therefore zinc is the limiting pollutant. The stormwater volume used for demonstrating compliance is associated with the limiting pollutants identified for each of the watersheds. Mitigating the limiting pollutant means that all other constituents will also be mitigated, as the required volume reductions are less than that associated with the limiting pollutant.

The limiting pollutant for the Wilmington Drain and Machado Lake Watersheds are based on the category 2 and 3 WBPCs identified in Section 2, which are based on 303(d) listings and observed exceedances. The limiting pollutant was not determined based on the Machado Lake Toxics and Nutrients TMDLs, as these TMDLs will be addressed by the Machado Lake Ecosystem Rehabilitation Project. The City of Los Angeles is leading the project that will be under construction in 2015. The project includes dredging the lake to remove accumulated sediments and constructing a pipeline that will discharge highly treated recycled water into the lake to offset evapotranspiration at a cost over $100 million. The treated water that will be added to the lake will dilute the stormwater stored in the lake and lower the concentration of all pollutants, including nutrients (nitrogen) and toxics (zinc). If necessary, the entire volume of water in the lake could be replaced with the reclaimed water within 30 days to meet the TMDL requirements for nutrients. Replacement would result in dilution of water with elevated levels of constituents with treated water.

The loads in DC WMG are influenced by both the flow volume and the constituent concentrations. A large storm with low concentrations may create a load equal to a small storm with high concentrations. The 87th through 93rd percentile events for zinc were evaluated to estimate the statistical range of volumes and loads at the model outlet to see which events produced regional rainfall and volumes for the watershed resulting in this load. Table 3-12, Table 3-14, Table 3-16, Table 3-18 and Table 3-20 show

the events analyzed and the range in volumes, concentrations, and loads for events with loads of approximately the same magnitude as the 90th percentile load event for each of the five analyzed watersheds. The bold values in the table show the numerically selected 90th percentile load. The tables below are presented for zinc and for all other pollutants in Attachment I. Statistical analysis of the data shown in the percentile load event tables are the basis for the data shown in Table 3-13, Table 3-15, Table 3-17, Table 3-19 and Table 3-21. These tables include statistical values for both loads and volumes which were used in selecting the final modeled storm event for analysis of the 90th percentile load for permit compliance evaluation.

Table 3-12: Dominguez Channel Watershed – Zinc Percentile Loads and Storm Events

Date	Flow (cfs)	Volume (ac-ft)	Concentration (µg/l)	Lead Load (kg)
4/12/2010	237.20	470.48	716.77	415.72
9/22/2007	86.62	171.81	1910.75	404.70
1/21/2012	212.20	420.90	767.35	398.15
12/28/2004	1559.54	3093.31	100.01	381.37
1/18/2010	332.66	659.82	461.51	375.39
12/16/2002	**362.08**	**718.17**	**397.15**	**351.61**
2/11/2003	213.08	422.63	669.17	348.64
5/22/2006	149.49	296.50	941.96	344.30
11/26/2008	343.78	681.88	401.68	337.65
11/6/2011	99.65	197.65	1315.56	320.54
2/27/2006	282.68	560.68	450.53	311.40

Table 3-13: Dominguez Channel Watershed – Zinc Percentile Load Statistics

Statistical Analysis	Volume (ac-ft)	Zinc Load (kg)
Mean	699.44	362.68
Standard Error	245.90	10.46
Median	470.48	351.61
Standard Deviation	815.55	34.69
Sample Variance	665,125.16	1,203.72
Kurtosis	9.52	-1.21
Skewness	3.00	0.12
Range	2,921.49	104.32
Minimum	171.81	311.40
Maximum	3,093.31	415.72
95% Confidence Range for Mean	963.92	41.01

Table 3-14: Dominguez Channel Estuary – Zinc Percentile Loads and Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Zinc Load (kg)**
3/17/2012	49.56	98.31	1414.74	171.45
10/13/2007	54.05	107.21	1292.39	170.8
12/25/2003	100.43	199.21	673.97	165.51
4/12/2010	99.88	198.11	675.31	164.92
2/27/2006	**111.35**	**220.86**	**603.59**	**164.34**
5/22/2006	72.22	143.25	874.65	154.45
12/28/2004	326.94	648.49	191.28	152.91
1/21/2012	66.56	132.02	911.48	148.34
2/5/2009	71.71	142.23	824.4	144.54

Table 3-15: Dominguez Channel Estuary – Zinc Percentile Load Statistics		
Statistical Analysis	**Volume (ac-ft)**	**Zinc Load (kg)**
Mean	209.96	159.7
Standard Error	56.62	3.28
Median	143.25	164.34
Standard Deviation	169.86	9.85
Sample Variance	28,851.97	97.05
Kurtosis	7.44	-1.47
Skewness	2.65	-0.33
Range	550.18	26.91
Minimum	98.31	144.54
Maximum	648.49	171.45
95% Confidence Range for Mean	221.95	12.87

Table 3-16: Wilmington Drain Watershed – Nitrogen Percentile Loads and Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Nitrogen Load (kg)**
2/11/2003	194.83	386.44	2.53	1,204.68
12/27/2004	106.40	211.05	4.44	1,155.85
10/14/2004	22.48	44.58	19.85	1,090.73
12/12/2003	14.23	28.23	30.34	1,056.02
10/5/2011	15.23	30.21	27.70	1,031.86
4/12/2010	30.64	60.77	13.17	987.00
12/15/2002	73.72	146.22	5.21	939.74
12/17/2010	**56.80**	**112.65**	**6.62**	**918.93**

Table 3-17: Wilmington Drain Watershed – Nitrogen Percentile Load Statistics		
Statistical Analysis	**Volume (ac-ft)**	**Nitrogen Load (kg)**
Mean	127.52	1,048.10
Standard Error	43.35	35.46
Median	86.71	1,043.94
Standard Deviation	122.62	100.31
Sample Variance	15,035.41	10,061.55
Kurtosis	2.38	-0.94
Skewness	1.57	0.28
Range	358.21	285.75
Minimum	28.23	918.93
Maximum	386.44	1,204.68
95% Confidence Range for Mean	169.94	139.02

Table 3-18: Machado Lake Watershed – Fecal Coliform Percentile Loads and Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (MPN/100 mL)**	**Fecal Coliform Load (MPN)**
2/28/2011	13.74	27.26	905,009.24	3.04E+14
2/21/2011	**12.23**	**24.26**	**901,607.98**	**2.70E+14**
4/21/2005	8.50	16.86	1,211,501.63	2.52E+14
3/20/2005	8.77	17.40	1,157,856.24	2.48E+14

Table 3-19: Machado Lake Watershed – Fecal Coliform Percentile Load Statistics		
Statistical Analysis	**Volume (ac-ft)**	**Fecal Coliform Load (MPN)**
Mean	21.44	2.68E+14
Standard Error	2.57	1.28E+13
Median	20.83	2.61E+14
Standard Deviation	5.14	2.55E+13
Sample Variance	26.39	6.52E+26
Kurtosis	-4.32	1.06E+00
Skewness	0.28	1.30E+00
Range	10.41	5.58E+13
Minimum	16.86	2.48E+14
Maximum	27.26	3.04E+14
95% Confidence Range for Mean	10.07	5.01E+13

Table 3-20: Harbor Watershed – Zinc Percentile Loads and Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Zinc Load (kg)**
3/25/2012	297.39	589.85	441.07	320.72
12/15/2002	476.17	944.48	268.17	312.23
11/20/2011	171.78	340.72	721.76	303.15
10/17/2005	75.96	150.67	1577.85	293.07
2/19/2007	175.05	347.21	672.12	287.68
2/18/2011	115.47	229.04	938.95	265.11
12/23/2003	260.45	516.60	378.91	241.31
1/20/2010	1,176.45	2,333.45	81.12	233.36
1/18/2010	484.40	960.80	194.12	229.92
1/23/2012	152.28	302.05	610.3	227.24
5/18/2011	105.88	210.01	874.59	226.42
3/15/2003	1,143.71	2,268.52	79.31	221.78
12/1/2005	59.04	117.10	1442.49	208.23
3/28/2006	378.42	750.58	220.84	204.33
10/13/2007	177.21	351.49	460.84	199.68
3/20/2011	628.05	1245.72	128.7	197.64

Table 3-21: Harbor Watershed – Zinc Percentile Load Statistics		
Statistical Analysis	**Volume (ac-ft)**	**Zinc Load (kg)**
Mean	728.64	248.24
Standard Error	173.52	10.58
Median	434.05	231.64
Standard Deviation	694.07	42.33
Sample Variance	481,732.36	1,792.18
Kurtosis	1.79	-1.24
Skewness	1.60	0.53
Range	2,216.35	123.08
Minimum	117.10	197.64
Maximum	2,333.45	320.72
95% Confidence Range for Mean	680.19	41.49

The values in the tables show the relatively wide range of variability. Based on the results of the statistical analyses and engineering judgment, the bold storm event was chosen to represent the 90th percentile load event for each watershed. These events generally have loads and volumes up to 10 percent higher than the median statistical 90th percentile load, with a volume that is also up to 30 percent higher. The storm events that generated these volumes and loads were spatially consistent over the entire watershed. The values for volumes and loads generally fall well within the 95 percent confidence interval. The volume generated is also consistent with the 85th percentile 24-hour storm volume.

The storms that generated the 87th to 93rd percentile loads were evaluated to determine the pollutant load distribution throughout the storm hydrograph. Standard literature reviews and studies within the

region show that pollutant load concentrations often follow a similar shape with the hydrograph, but lagging in time. An analysis of the hourly loads and volumes showed which hours of the storm exceeded pollutant load objectives. The percentage of the volume associated with these exceedances was determined for each storm. The average percentage of the volume required to capture all flows with concentrations exceeding the water quality objective concentrations. This volume was then used to determine the volume of treatment required within the watersheds. Table 3-22 shows the volume reduction percentages required to capture the 90th percentile loads in the five watersheds within the DC WMG. The tables showing the analysis of each watershed storm event are provided in Attachment J.

Table 3-22: Limiting Pollutant Percentile Load Statistics

Watershed	Percent Storm Volume Reduction	Limiting Pollutant Analyzed
Dominguez Channel	90	Zinc
Dominguez Channel Estuary	90	Zinc
Wilmington Drain	80	Total Nitrogen
Machado Lake	90	Fecal Coliform
Harbor	70	Zinc

The table shows the percentage of the storm volume on the date of the 90th percentile load event that would need to be captured to capture all of the flow that exceeded the water quality objective concentrations. The table shows that the range of volume capture ranged between 70 and 90 percent of the total storm volume. This is due to the nature of land use within the watersheds. The volumes were used to determine the volume of regional projects and green streets required for compliance with water quality objectives.

Figure 3-12 below illustrates the required capture volume density for the subareas within the DC WMG. Each subarea is shaded based on the volume (in cubic feet) of capture required per acre. The capture volume was determined based on the baseline model results associated with the 90th percentile event within each watershed. The five analyzed watersheds are identified in the figure along with the 90th percentile event date associated with the limiting pollutant for each of the watersheds. Figure 3-13 illustrates the load density within each of the subareas. Similar to the capture volume density map, the load density is based on the baseline model and the 90th percentile event for each of the five watersheds. The subareas are shaded based on the load per acre generated from the subarea. The figure demonstrates that loading is greater in the upper portions of the Dominguez Channel Watershed and near the Harbor.

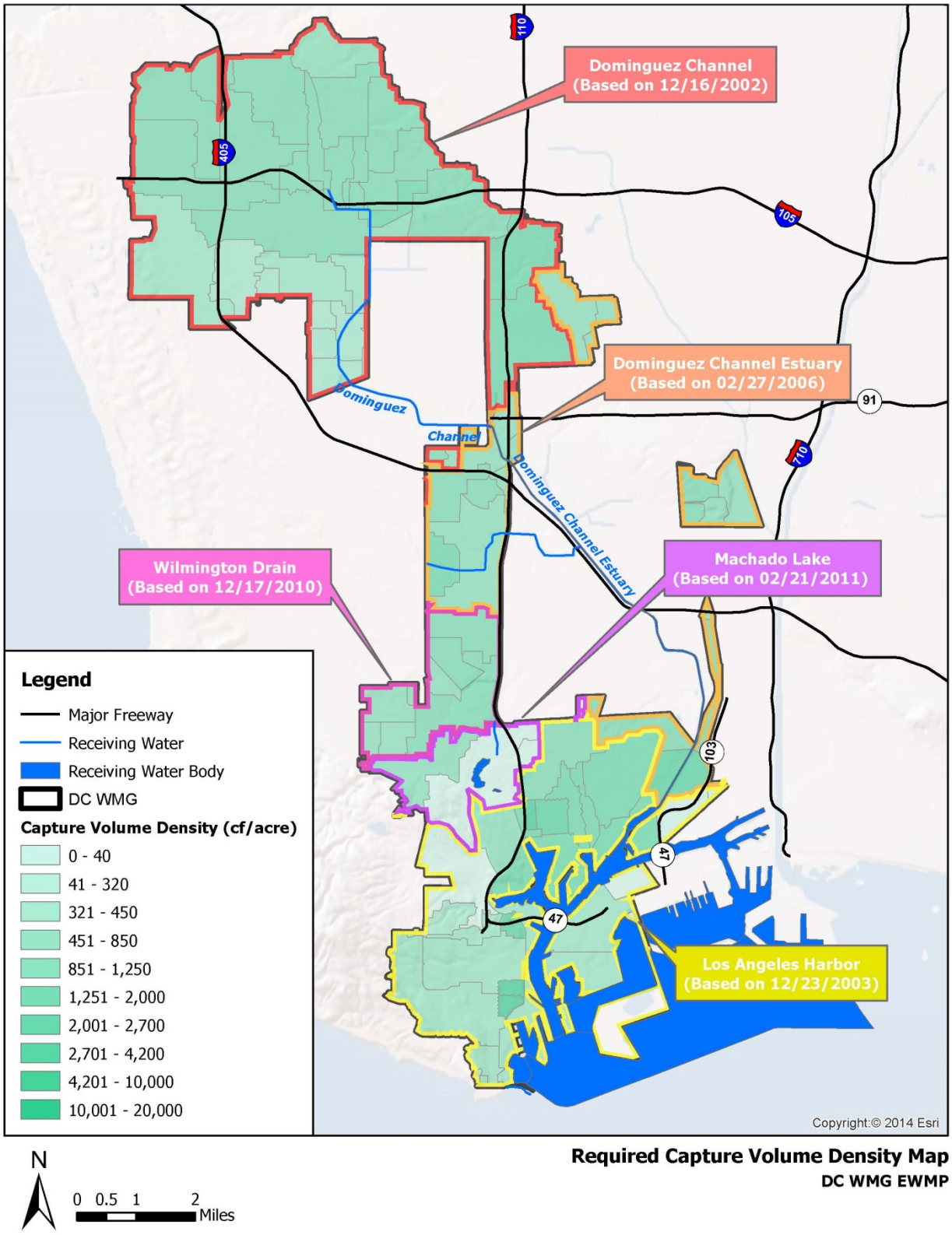


Figure 3-12: Required Capture Volume Density Map

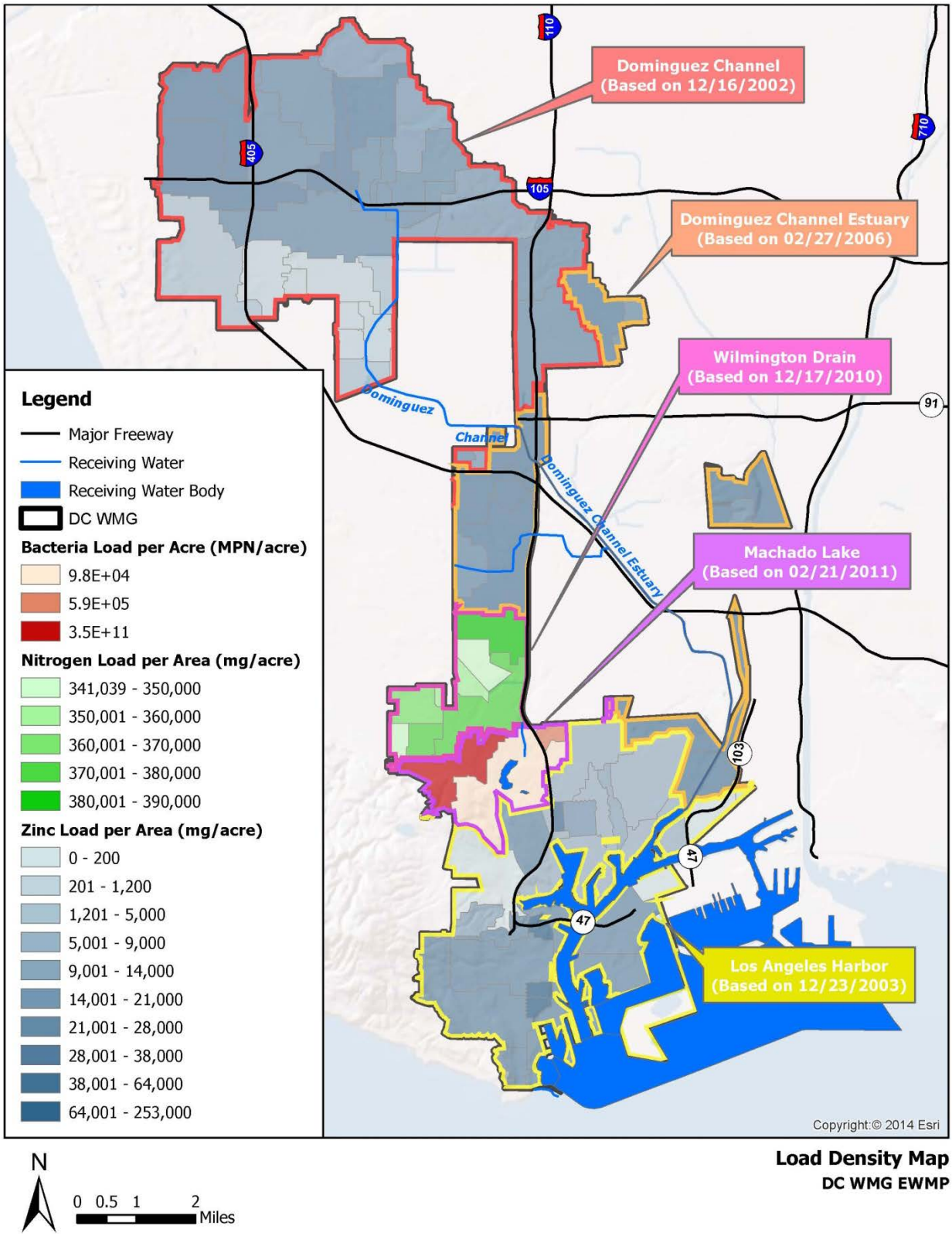


Figure 3-13: Load Density Map

3.4 Volume and Load Reduction Strategies

Various load reduction strategies were used to achieve compliance through the RAA including non-structural and structural BMPs. This is considered the "recipe for compliance" and is shown generally in Figure 3-14. Control measures are implemented strategically throughout the compliance period at specific time steps so that the interim and final WQOs are met. The three types of control measures that are the focus of the volume and load reduction strategy are non-structural BMPs (MCMs and LID ordinances), regional projects, and distributed projects (green streets). Details can be found in Section 4. Figure 3-15 shows the target load reduction for the 90th percentile load associate with zinc using the identified elements. The schedule of implementation is discussed in Section 5 and represents a feasible implementation timeline considering regional BMP implementation will take a long time while MCMs and distributed BMPs may be implemented with less planning, engineering, and design effort.

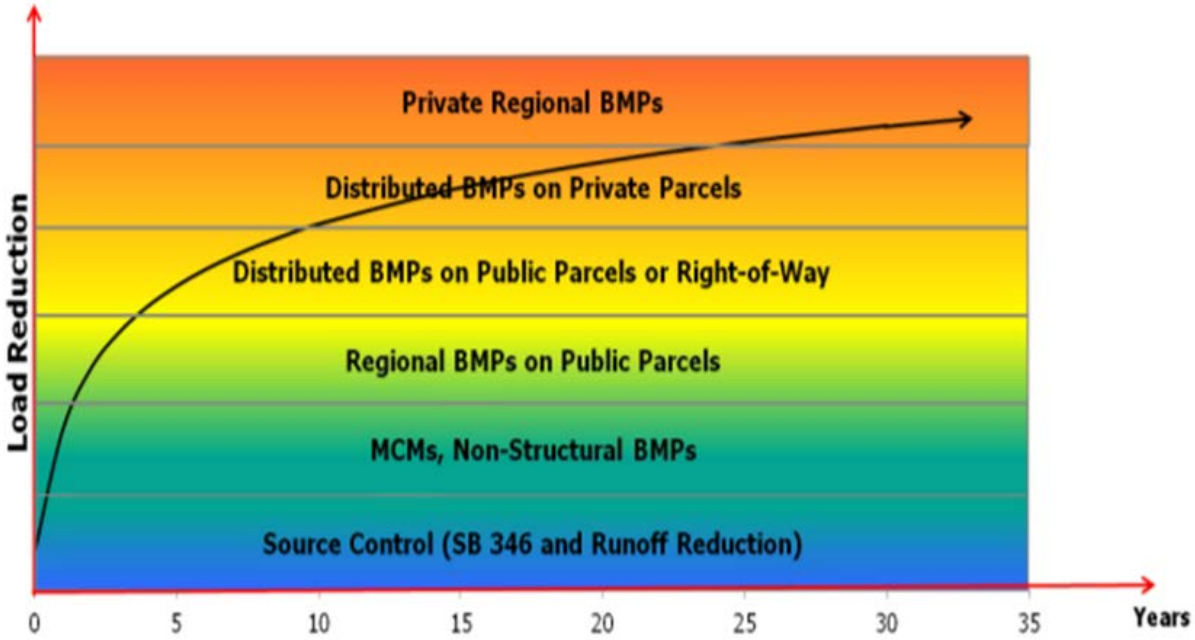


Figure 3-14: Pollution Reduction Strategies

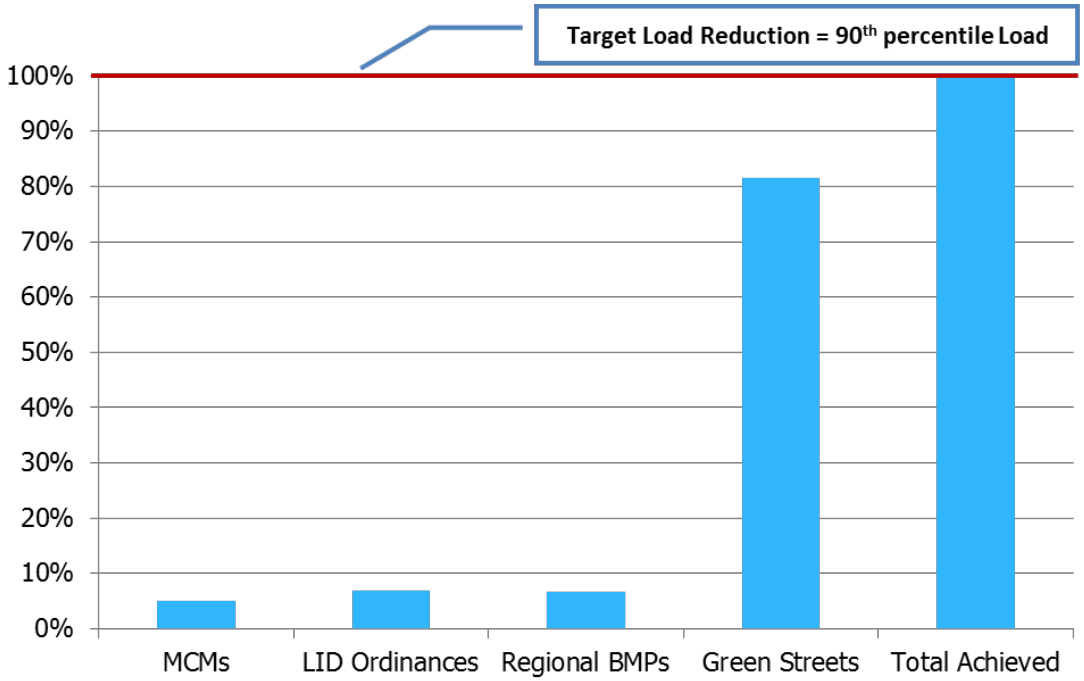


Figure 3-15: Target Load Reduction

4. Watershed Control Measures

In order to comply with EWMP requirements, an evaluation was performed that considered opportunities within the participating Permittees jurisdictions to utilize multi-benefit regional projects that, when feasible, retain non-stormwater discharge and the flows produced by the 85th percentile, 24-hour storm event. A review of relevant TMDL implementation plans and watershed management plans was performed to identify previously identified regional projects within the DC WMG. These projects were then evaluated to identify if they meet the regional EWMP project criteria. An approach was then developed and used to evaluate additional potential regional project sites. This section includes the approach and results of the evaluation.

The control measures analyzed and proposed in this EWMP are for reducing discharges of pollutants to the receiving waters to meet the planning objectives. Measures for managing sediments already within the Estuary are being developed as part of the Contaminated Sediment Management Plan (CSMP): Dominguez Channel Estuary submitted to the Regional Water Quality Control Board in March of 2014 and are not described in this EWMP.

4.1 MCMs/Institutional BMPs

MS4 Permit Part VI.C.5.b.iv.(1) (pages 61-62) directs that the MCMs identified in Parts VI.D.4 to VI.D.10 (pages 70-141) be incorporated as part of the EWMP. The placement of this reference section within the EWMP portion of the permit (Part VI.C, pages 47-67) allows the MCMs in the subsequent section (VI.D, pages 67-141) to be assessed for potential effectiveness and even modified to emphasize the pollution control priorities identified within the EWMP Plan. Part VI.C.5.b.iv.(1).(c) (page 62) explicitly allows some MCM sections to be deleted, and wholly replaced, when accompanied by appropriate justification. The Planning and Land Development Program, is not identified as an MCM that must be evaluated for potential modifications or elimination. The general MCMs categories identified in Part VI.D (pages 67-141) of the MS4 Permit are listed below. Some of the MCM categories are also applicable to the LACFCD, as identified indicated with an asterisk (*).

1. Public Information and Participation Program (PIPP) (Part VI.D.5, pages 86-88)*
2. Industrial/Commercial Facilities Program (Part VI.D.6, pages 88-94)*
3. Planning and Land Development Program (Part VI.D.7, pages 94-113)
4. Development and Construction Program (Part VI.D.8, pages 113-130)
5. Public Agency Activities Program (Part VI.D.9. pages 130-137)*
6. Illicit Connections and Illicit Discharges (IC/ID) Detection and Elimination Program (Part VI.D.10, pages 137-141)*

The 2012 MS4 Permit (VI.D.1.b.ii, page 68) requires that the MCM programs, as specified in the 2001 MS4 Permit, continue to be implemented until the EWMP is approved by the Regional Board. The same six categories listed above were to be implemented under the 2001 MS4 Permit, with the 2012 MS4 Permit having more stringent requirements, some of which are listed below. Attachment J provides a detailed comparison of the program requirements of the 2001 MS4 Permit and the current 2012 MS4 Permit.

- New requirements for erosion and sediment control procedures, especially for sites less than one acre, and for Erosion and Sediment Control Plans;
- Additional tracking requirements as part of the Industrial/Commercial Facilities Program; and
- Extensive new requirements for LID and hydromodification controls as part of the Planning and Land Development Program.

MCMs are considered a subset of institutional BMPs (City of Los Angeles, 2013). Institutional BMPs are non-constructed control measures that prevent the release of flow/pollutants or transport of pollutants within the MS4 area (City of Los Angeles, 2013). Institutional BMPs include:

- Irrigation control
- Brake pad replacement (such as SB 346)
- Replacement of lead in wheel weights
- Street sweeping
- Catch basin cleaning
- Downspout disconnect program

4.1.1 Summary of Existing MCMs/Institutional BMPs

The existing MCMs/institutional BMPs within the DC WMG were evaluated and summarized based on the Los Angeles County Unified Annual Stormwater Reports for the Fiscal Years 2010-2011 and 2011-2012. Tables summarizing the existing MCMs/Institutional BMPs by DC WMG are presented in Attachment K.

4.1.2 MCM Evaluation

This section presents a brief summary of the research used to quantify pollutant load reductions. The research is presented in detail in Attachment L.

The implementation of MCMs relies significantly on behavioral modifications, either of the public or of agency employees. The public education and outreach MCM is specific in attempting to modify public behavior through increasing education and awareness and seeking to obtain specific social constructs that correlate with behavior change. Such constructs include:

- Behavior Change. The actual adoption of the intended pro-environmental behavior.
- Intention. The intention to adopt a pro-environmental behavior.
- Moral norm. The belief that oneself has a moral obligation to adopt a pro-environmental behavior.
- Attitude. A positive attitude or disposition towards a pro-environmental behavior.
- PBC. Stands for “Perceived Behavioral Control.” The belief that adopting a pro-environmental behavior is within your power and you have the tools to do so.
- Guilt. The feeling that one ought to adopt a pro-environmental behavior and failure to do so includes negative emotions.
- Social norm. The belief that everyone else has adopted a pro-environmental behavior and that to not adopt the same would set you apart.
- Problem awareness. Awareness that a behavior is a problem and understanding of the consequences of that problem.

Other MCMs also tend to rely on behavior modification. New and re-development programs require builders to comply and agency staff to enforce. Construction control programs require similar behaviors. Illicit discharge detection and elimination similarly requires the public to comply with requirements not to discharge or conduct certain activities, and agency staff to monitor, detect, and enforce such behaviors.

Research suggests that implementation of MCMs has a varying degree of behavior change effectiveness depending on the social construct that occurs through the implementation of those MCMs. The precise methods to achieve the social constructs that would result in the greatest amount of behavior change is still uncertain in the research. Because of this, a range of probable behavior changes may occur through the implementation of various MCMs. MCMs that rely heavily on agency staff behavior change tend to have higher ranges of probabilities of that behavior change occurring because an agency has more direct influence on staff behavior through employment and other contracts.

Yet, behavior change is one side of the pollutant load reduction analysis. The other side is evaluating what pollutant the behavior causes the discharge of, and how much reduction in discharge would occur from changing the behavior. This is another level of uncertainty in the analysis. Some behaviors, when changed, would have a very close correlation with reducing pollutant discharge; such as how changing landscaping, fertilizer application, and irrigation practices can have a very direct effect on nutrient discharges in runoff. Other behaviors may have a less direct effect on pollutant discharge, such as changing automobile driving behavior. Starting and stopping at lower rates of acceleration and deceleration may reduce break and tire wear, but it is impossible to drive without accelerating or decelerating at all and, therefore, the reduction in copper and zinc discharges due to changing driving behaviors or moving to public transportation, which will still discharge those pollutants, may be less direct.

A third level of uncertainty is the degree to which a polluting behavior is responsible for all the pollutant discharges in a watershed. Many pollutants have multiple sources and changing one behavior may only affect one of those many sources, thus having significantly less effectiveness. An example of this is the correlation between pet waste pick up programs and reductions in bacteria levels. Indicator bacteria can have many sources in a watershed, including regrowth in sediments. While reductions in pet waste running off into receiving water will reduce bacteria loads, its effect on overall bacteria concentrations can be difficult to discern.

Given these uncertainties, an attempt at identifying the ranges in potential pollutant load reductions through the implementation of the MCMs in the permit was made. The strongest basis in research was the possible ranges of behavior changes that could occur from different MCM implementation activities. Correlating the reduction of pollutant load reductions that could occur from changing those behaviors was done using current best professional judgment. For example, landscaping behaviors would be considered to affect nutrient, pesticide, and sediment loads, but not necessarily metals loads. Using this approach, possible ranges of load reductions from MCM implementation could be presented. Averaging across the potential ranges, it was estimated that with aggressive and consistent MCM implementation, it is reasonable to see pollutant load reductions overall on the order of approximately 12%. Yet, it is important to note that this averaging methodology has significant limitations in its use and further field studies measuring pollutant loads associated with various behaviors is necessary to verify and refine the model.

The differences between the 2001 and 2012 MCMs were evaluated (Attachment J) and then the research conducted as described above and presented in detail in Attachment L was used to estimate potential pollutant load reductions that one might expect from implementation of the 2012 MCMs. Table 4-1 presents the range of reduction that may be anticipated for each pollutant for each MCM/Institutional program.

PAGE INTENTIONALLY LEFT BLANK

Table 4-1. Range of Pollutant Load Percent Removal

Minimum Control Measure	Permit Section (New for 2012)	Sediment		Nutrients		Metals		Bacteria		Trash		Toxins	
		Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
Public Information and Participation Program													
Public Education - proper handling (fertilizer)	VI.D.5.d.i.(2)	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	15.8%
Public Education - activity specific (trash clean-up and maintenance procedures)	VI.D.5.d.i.(3)	0.0%	0.0%	0.0%	0.0%	3.6%	15.8%	7.1%	31.7%	10.7%	47.5%	0.0%	0.0%
Public Education - activity specific (over-irrigation)	VI.D.5.d.i.(3)	1.8%	7.9%	3.6%	15.8%	1.8%	7.9%	0.0%	0.0%	1.8%	7.9%	3.6%	15.8%
Public Education - activity specific (pet waste pick up)	VI.D.5.d.i.(3)	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	0.0%	0.0%
Public Education - activity specific (household hazardous waste collection)	VI.D.5.d.i.(3)	0.0%	0.0%	5.4%	24.0%	10.8%	48.0%	5.4%	24.0%	16.2%	72.0%	16.2%	72.0%
Maintain storm water websites	VI.D.5.d.i.(4)	7.1%	31.7%	7.1%	31.7%	7.1%	31.7%	3.6%	15.8%	0.0%	0.0%	3.6%	15.8%
Industrial/Commercial Facilities Program													
Track critical sources - nurseries and nursery centers (enforce/amend BMPs)	VI.D.6.b.i.(1)	10.7%	47.5%	10.7%	47.5%	0.0%	0.0%	7.1%	31.7%	0.0%	0.0%	10.7%	47.5%
Track critical sources - other commercial/industrial facilities that Permittee determines may contribute substantial constituent load to MS4 (self-reporting inspections)	VI.D.6.b.i.(4)	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%
Evaluate all operations of industrial facilities inspected to verify whether their operations are subject to the Industrial General Permit (IGP).	VI.D.6.b.ii.(2,4,7,8,11), VI.D.6.c.i, VI.D.6.c.ii, VI.D.6.e.i.(3)	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%
Facility information - ID whether tributary to 303(d) listed water and generates constituents for which water is impaired (enforce/amend BMPs)	VI.D.6.b.ii.(9)	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	16.2%	72.0%	5.4%	24.0%	10.8%	48.0%
Planning and Land Development Program													
Alternative compliance measures through groundwater replenishment	VI.D.7.c.ii	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%
Alternative compliance measures through biofiltration on- or off-site	VI.D.7.c.iii	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bioretention and biofiltration systems	VI.D.7.c.iii.(1)	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annual reporting of mitigation project descriptions	VI.D.7.c.vi	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%
Implement post construction BMP maintenance inspections	VI.D.7.d.iv.(c)	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Table 4-1. Range of Pollutant Load Percent Removal

Minimum Control Measure	Permit Section (New for 2012)	Sediment		Nutrients		Metals		Bacteria		Trash		Toxins	
		Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
Development and Construction Program													
For sites less than 1 acre, implement erosion and sediment control BMPs through the use of a erosion and sediment control ordinance	VI.D.8.d	5.3%	23.8%	3.6%	15.8%	1.8%	7.9%	1.8%	7.9%	0.0%	0.0%	0.0%	0.0%
Implement technical BMP standards	VI.D.8.i.i	10.7%	47.5%	3.6%	15.8%	3.6%	15.8%	0.0%	0.0%	7.1%	31.7%	7.1%	31.7%
IC/ID Program													
Procedures for public reporting of ID	VI.D.10.d	10.8%	48.0%	5.4%	24.0%	5.4%	24.0%	16.2%	72.0%	0.0%	0.0%	16.2%	72.0%
Public Agency Activities Program													
Employee training	VI.D.9.k	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%
More frequent street sweeping, especially in areas that lack full capture certified trash control devices.	VI.D.4.c.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Utilize street vacuuming in land use areas that generate high metals loads.	VI.D.9.h	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Set maximum street sweeper speeds to optimize effectiveness in removing trash, debris, and sediments.	VI.D.9.h	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Sweeping center median gutters, and "pork chop" islands at street intersections.	VI.D.9.h	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Revise curb miles cleaned as an indicator to volume of trash collected.	VI.D.9.h	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Enhanced maintenance of catch basins, especially those with connector pipe screens.	VI.D.9.h	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%

To streamline the modeling of pollutant load reduction, a generalized average percent removal that can be used for all MCMs to be implemented and for all pollutants was estimated. Table 4-2 presents an example showing two activities and the average percent removal of each constituent. For example, operations and maintenance of roads would be controlled by the implementing agency. The evaluation presented both the high and low range of percent removal that may be anticipated. Because this is an implementing agency controlled activity, the higher percent removal could be used and the value used to calculate the average percent pollutant removal is shown with a highlight in Table 4-2. An activity like pet waste pickup would rely more on public education and participation and the lower value could be used (shown highlighted). It should be noted that this value does not include any additional behavioral factors that certain messaging campaigns may create, such as guilt, which would increase the percent removal that may be anticipated.

Table 4-2: Range of Pollutant Load Reduction Effectiveness (%)

Pollutant Generating Activity	Sediment		Nutrients		Metals		Bacteria		Trash		Toxins	
Description	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**
O&M for streets and roads.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Public Education - Pet Waste Pick Up	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	0.0%	0.0%
Average Percent	23.8%		13.3%		15.8%		5.3%		15.8%		7.9%	

Results

Using the values as described above (high value for implementing agency controlled activities, low value for public activities) for each constituent, the average removals for each of the constituents (sediment, nutrients, metals, bacteria, trash, and toxins) were calculated. The results are presented in Table 4-3 below.

Table 4-3: Average Pollutant Removal per Constituent

Description	**%**
Sediment	19.6%
Nutrients	11.7%
Metals	14.4%
Bacteria	6.5%
Trash	13.0%
Toxins	10.4%
Average of the Averages Above	12.6%

Conclusions

The overall average percent removal for all constituents and all activities is 12.6%. Because the lower public education value used does not consider any of the other constructs that are affected by the outreach campaigns (guilt, social norm, etc.), this overall percent removal may be lower than what might be observed. Given the uncertainties in this analysis, the fact that the only actual data the analysis is based on is behavioral change studies and not pollutant load reduction studies, the fact that there are uncertainties over how widespread the effectiveness of a behavior change may be in achieving pollutant load reduction across the watershed, while the analysis suggests a 12 percent pollutant load reduction may occur, the RWQCB suggested 5 percent pollutant load reduction will be used for the load reductions associated with implementing the MCMs in the permit.

Some of the WMG agencies are implementing more aggressive or enhanced MCMs. Because of this, additional load reductions are likely to occur. For the agencies installing full capture devices, and catch basin cleanouts for those devices, in high trash areas, as stated in the California statewide trash policy, based on the results above, an additional two percent load reduction may occur for the constituents associated with trash and the sediments captured by the devices. For enhanced street sweeping using vacuum regenerative sweepers, an additional three percent load reduction for the constituents associated with fine particulates the street sweepers remove should be plausible. This is based on studies by SPAWAR and others (SPAWAR, May 2008, "Metals Load Reduction in Storm Water Using High---Efficiency Sweepers", presentation to a Joint Services Environmental Management Conference) The load reductions based on MCMs are summarized in Table 4-4for each of the DC WMG jurisdictions. The City of Los Angeles is not taking credit for an enhanced MCM program. The catch basin cleanouts and full capture devices will be implemented after 2017, therefore credit will not be given until the next milestone, which is 2026. The table shows the area weighted averages by watershed which were used during the RAA process.

Table 4-4: Average Pollutant Removal per Constituent

Jurisdiction	2017 MCM Reduction	2026 MCM Reduction
El Segundo	5%	10%
Hawthorne	5%	10%
Inglewood	5%	10%
Lomita	5%	10%
Los Angeles	5%	5%
County Unincorporated	10%	10%
Weighted Averages by Watershed		
Dominguez Channel	6.35%	9.05%
Dominguez Channel Estuary	7.18%	7.18%
Wilmington Drain	6.65%	8.36%
Machado Lake	5.00%	5.92%
Harbor	5.07%	5.07%

4.1.3 New and Re-Development

Part VI.C.4.c.i.(1) of the MS4 Permit requires Permittees to develop and implement LID ordinances applicable to new and re-development projects meeting specified thresholds of disturbance. Average annual redevelopment rates released by the City of Los Angeles (LAR UR2 WMA, 2015) were used to project the area that is expected to be developed between the modeled milestone dates. It can be assumed that the new and re-development projects will implement BMPs as required by the MS4 Permit,

thus providing a load reduction based on the 85th percentile rainfall. Table 4-5 summarizes the percent of area re-developed at each of the milestone dates.

Table 4-5: Re-Development Rates by Land Use

Land Use	Annual Dev. Rate	Percent of Area to be Developed by Milestone Year				
		2018 Nutrient (100%)	2019 Toxics (100%)	2026 Metal (50%)	2029 Metal (75%)	2032 Metal (100%)
Commercial	0.15	0.45	0.60	1.65	2.10	2.55
Education	0.16	0.48	0.64	1.76	2.24	2.72
Industrial	0.34	1.02	1.36	3.74	4.76	5.78
Residential	0.18	0.54	0.72	1.98	2.52	3.06
Transportation	2.70	8.10	10.8	29.70	37.80	45.9

Areas being redeveloped, as a result of the LID ordinances enforced within the DC WMG, were modeled using volume reduction BMPs sized for the 85th percentile storm depth. Table 4-6 summarizes the volume reduction associated with the re-developed area within each DC WMG jurisdiction at each of the compliance milestones for each of the analyzed watersheds. The volume identified at each milestone is cumulative starting with 2015. It is expected that the transportation redevelopment will involve green street design, as discussed in Section 4.2.5; therefore it is not included in the expected volume reduction to avoid double counting of benefits. Tables identifying the volume reductions by land use for each jurisdiction and each watershed are provided in Attachment M.

Table 4-6: Volume Reduction based on Re-Development by Watershed						
Jurisdiction	**Volume Reduction (acre-feet)**					
	2018 Nutrient (100%)	**2019 Toxics (100%)**	**2026 Metal (50%)**	**2029 Metal (75%)**	**2032 Metal (100%)**	**2040 Bacteria (100%)**
Dominguez Channel Watershed						
El Segundo	-	-	1.96	2.50	3.03	4.46
Hawthorne	-	-	4.89	6.22	7.55	11.11
Inglewood	-	-	4.90	6.24	7.58	11.15
Los Angeles	-	-	2.86	3.64	4.42	6.50
County Unincorporated	-	-	5.54	7.05	8.56	12.59
Total	**-**	**-**	**20.16**	**25.65**	**31.15**	**45.81**
Dominguez Channel Estuary Watershed						
Los Angeles	-	-	4.37	5.56	6.75	9.93
County Unincorporated	-	-	3.22	4.10	4.98	7.33
Total	**-**	**-**	**7.49**	**9.67**	**11.74**	**17.26**
Wilmington Drain Watershed						
Lomita	0.29	0.39	1.06	1.35	1.64	2.42
Los Angeles	0.30	0.40	1.11	1.41	1.72	2.52
County Unincorporated	0.28	0.37	1.03	1.31	1.59	2.33
Total	**0.87**	**1.16**	**3.20**	**4.07**	**4.95**	**7.27**
Machado Lake Watershed						
Lomita	0.13	0.17	0.48	0.61	0.74	1.08
Los Angeles	0.40	0.53	1.45	1.85	2.25	3.31
Total	**0.53**	**0.70**	**1.93**	**2.46**	**2.99**	**4.39**
Harbor Watershed						
Lomita	-	-	0.00	0.00	0.01	0.01
Los Angeles	-	-	9.18	11.68	14.19	20.87
County Unincorporated	-	-	0.15	0.19	0.23	0.34
Total	**-**	**-**	**9.33**	**11.88**	**14.42**	**21.21**

4.2 Structural BMPs

In order to address the identified priorities within a watershed, structural BMPs made up of both Regional and Distributed BMPs will be utilized.

Regional BMPs

Generally, regional BMPs will be installed on large public parcels. The strategy employed in this EWMP is to reduce volume to achieve the planning objectives. BMPs that reduce concentrations (treat and release) tend to achieve less pollutant load reduction per acre of land controlled. Additionally, the WMG members seek to achieve the additional benefit of water supply, if possible, among other additional benefits, from implementation of BMPs to meet the water quality planning objectives. This would emphasize BMPs that

capture and store or capture and infiltrate water. Thus, the regional project BMP types that are generally sought and evaluated in this EWMP are:

- Infiltration Basins
- Detention Basins

Such regional projects can be structured to provide water for local irrigation or can be structured to augment a potable water supply, such as a municipal supply aquifer.

Distributed BMPs

BMPs installed by private property owners under an agency's new and re-development program are accounted for as described in 4.1.3. and as such, are not evaluated as distributed BMPs to achieve the water quality planning objectives.

Distributed BMPs for purposes of this EWMP are those BMPs installed directly by one or more of the DC WMG agencies that tend to have smaller footprints and capture and store or infiltrate water from smaller catchments than regional projects. As described above as well, emphasis in this EWMP is on storm water capture, storage, use, and/or infiltration type of BMPs that achieve a volume reduction in the watershed rather than treat and release type BMPs. Thus, the distributed BMPs in this EWMP are primarily:

- Green Streets

To be specific, green streets, in the context of this EWMP, are modifications to streets that allow them to capture, store, and/or infiltrate some volume of water from the catchment leading to that street section. This can include a variety of design features including, but not limited to:

- Porous/Permeable Pavers
- Bioswales/Buffer Strips (that infiltrate)
- Biofiltration (that infiltrate)
- Bioretention (that infiltrate)
- Rainfall Harvesting (Rain Barrels & Cisterns) (in the street right of way)

Figure 4-1 shows a depiction of possible green street features. The specific features of the green streets in this plan have not been determined yet, but will be evaluated and established on a case by case basis for each street where a green street is considered optimal for meeting the water quality planning objectives.

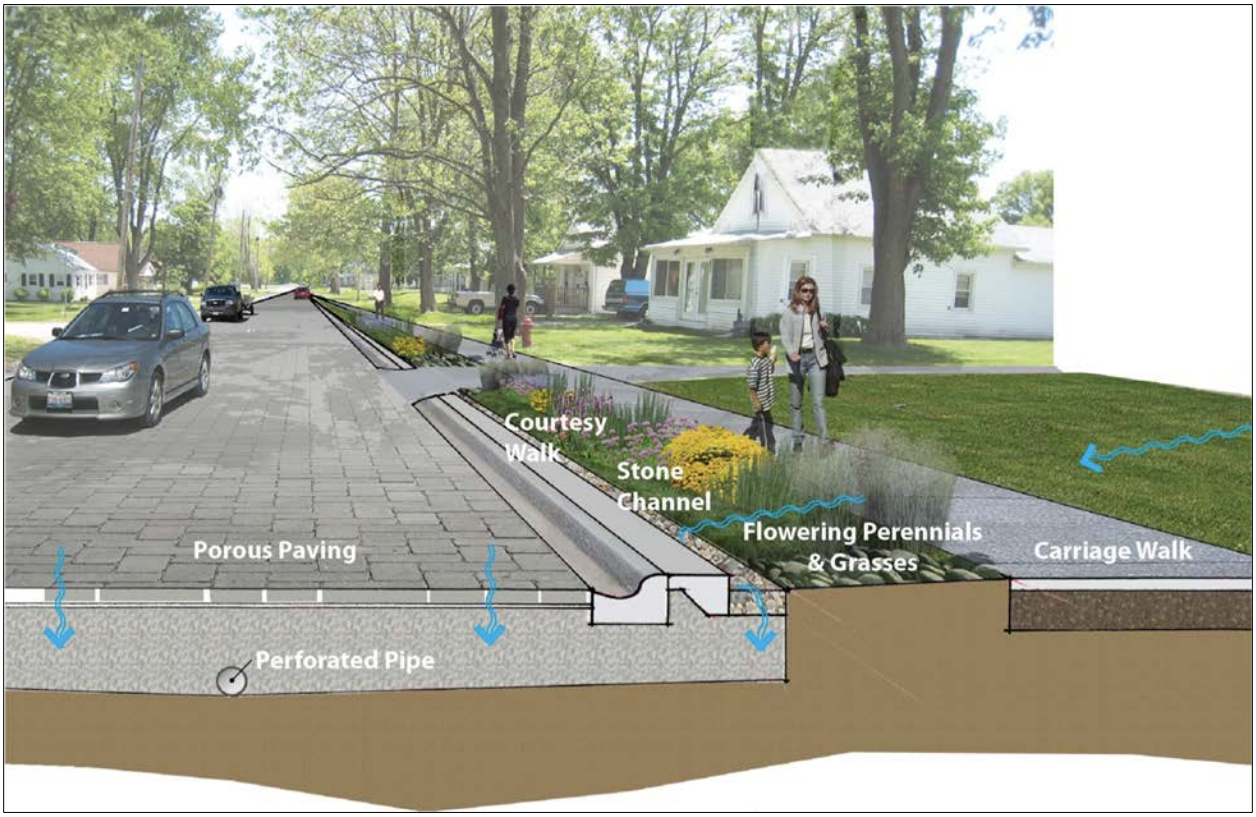


Figure 4-1: Possible Green Street Features

4.2.1 Categories of Structural BMPs

Table 4-7 illustrates the categories and subcategories of structural BMPs. This presents a broad overview of the types of structural BMPs that are available. Some of these BMPs types are currently installed, mostly on private parcels through the new and re-development program, within the DC WMG area and are presented in Figure 4-2. The BMPs in Table 4-7 were also considered as potential project alternatives. Based on project site characteristics, which are evaluated in a later section, an appropriate BMP type can be selected.

Table 4-7: Categories and Subcategories of Structural BMPs Within DC WMG		
Category	**Subcategory**	**Example BMP Types**
Regional	Infiltration	Surface infiltration basin, subsurface infiltration gallery
	Detention	Surface detention basin, subsurface detention gallery
	Constructed Wetland	Constructed wetland, flow-through/linear wetland
	Treatment Facilities	Facilities designed to treat runoff from and return it to the receiving water
	Low Flow Diversions	BMPs that divert runoff to the sanitary sewer (normally dry weather only)
Distributed	Site-Scale Detention	Dry detention pond, wet detention pond, detention chambers, etc.
	Green Infrastructure	**Biofiltration** includes vegetated BMPs with underdrains
		Bioretention includes vegetated BMPs without underdrains
		Permeable pavement
		Green streets (often an aggregate of bioretention, biofiltration and/or permeable pavement)
		Infiltration BMPs include non-vegetated dry wells, infiltration trenches, etc.
		Bioswales include vegetative filter strip and vegetative swales
		Rainfall harvest (rain barrels, green roofs and cisterns)
	Flow-through Treatment BMPs	Treatment BMPs with a minor (or non-existent) infiltration component, often modular/vault-type BMPs including cartridge media filters
	Source Control Structural BMPs	Catch basin inserts, screens, hydrodynamic separators, trash enclosures, etc.

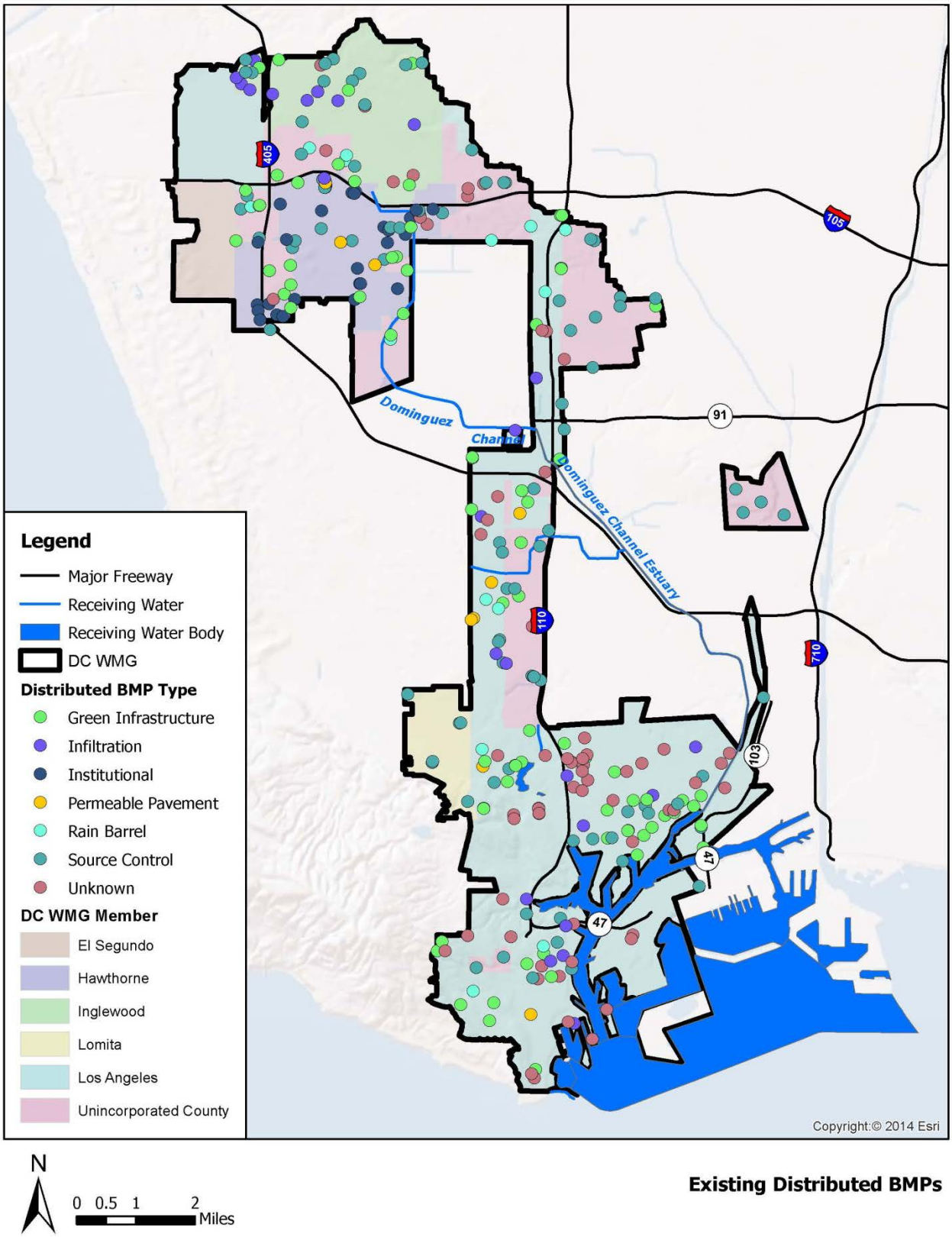


Figure 4-2: Existing Distributed BMPs

4.2.2 Summary of Existing Structural BMPs

To compile information on existing control measures, including MCMs and BMP programs already in effect for each of the participating Permittees in the EWMP, information was collected from the following available sources:

- Los Angeles County Unified Annual Stormwater Report for Fiscal Years 2010-2011 and 2011-2012
  - Summary of MCMs for the Dominguez Channel Watershed
  - Summary of BMPs Installed and Maintained for the Dominguez Channel Watershed
  - Individual Annual Reports for each of the participating Permittees
- Standard Urban Stormwater Mitigation Plans (SUSMP) and LID projects in DC WMG
- City of Los Angeles Green Infrastructure Project List
- Proposition O Project Website (www.lapropo.org)
- Opti Website (http://irwm.rmcwater.com/la/login.php)

The Los Angeles County Unified Annual Stormwater Report for Fiscal Years 2010-2011 and 2011-2012 has been used to create tables identifying the existing structural BMPs installed and maintained by the DC WMG and is included as Attachment N. The information provided by the DC WMG has been incorporated into the tables. Information pertaining to the existing MCMs implemented by the DC WMG are discussed in Section 4.1, and tables created based on the Unified Annual Stormwater Reports for Fiscal Years 2010-2011 and 2011-2012 can be found in Attachment K.

The SUSMP and LID project listings provided by the DC WMG have been used to map the existing distributed BMPs located in Figure 4-2. The figure only includes the BMPs for which an address or global positioning system (GPS) coordinates was provided. It is assumed that the SUSMP and LID BMPs were also reported as part of the annual reports.

BMPs, including regional BMP projects, implemented prior to the baseline pollutant loads being used for the RAA calibration (2012) are considered part of the baseline. BMPs, including regional projects, which were implemented after the baseline pollutant loads, can be modeled in the RAA in order to demonstrate a load reduction. A few regional projects have been implemented in the DC WMG utilizing City of Los Angeles Proposition O funding. The Lake Machado Water Quality Improvements Project and the Rosecrans Recreation Center Stormwater Enhancements Project were constructed following the pollutant load baseline estimation and are evaluated below based on EWMP project criteria.

Lake Machado Water Quality Improvements, including Wilmington Drain

Specific drivers for the Machado Lake Ecosystem Rehabilitation and Wilmington Drain Multi-Use projects are to improve water quality, meet adopted and future TMDLs, enhance riparian, wetland, and upland habitat, improve hydrologic and hydraulic conditions, and create and restore recreational amenities (City of Los Angeles, 2009). The project received its Notice to Proceed in May 2013, broke ground on March 22, 2014, and has an anticipated completion date in April 2016 (Prop O, 2014). The Wilmington Drain is a channelized stream that conveys urban runoff and stormwater flows to Machado Lake. The Wilmington Drain feeds more than 80% of the water that flows into Machado Lake from its 15,553 acre watershed. A majority of the Machado Lake and Wilmington Drain improvements involve enhancing the habitat and incorporating BMPs that will help with treatment components. The area will utilize bioswales in the parking areas, incorporate smart irrigation systems, install trash netting systems, include the use of biofilters and similar vegetated BMPs, and improve the pedestrian trail system (Measure O). This project has been jointly funded by the City of Los Angeles and the LACFCD. The project incorporates numerous distributed BMPs that will reduce the amount of flow reaching downstream receiving waters, but the main intention of the project is to provide treatment. This project is not projected to provide a volume reduction; it would be characterized as a “treat and release” type of project.

Machado Lake will be recharged with advance treated water conveyed from the Terminal Island Water Reclamation Plant (TIWRP). This highly treated water will dilute local runoff to achieve the waste load allocations in Machado Lake.

Rosecrans Recreation Center Stormwater Enhancements

The Rosecrans Recreation Center Stormwater Enhancement project was completed in October 2013. The project achieved some of the goals outlined in the 2013 IRWMP and included the installation of smart irrigation systems, bioswales in parking lots, permeable parking lots, vegetated retention basins, infiltration cisterns/irrigation cisterns, a synthetic soccer field, landscaped areas, and decomposed granite pathways. The project treats a tributary watershed of 12.73 acres made up of mostly the park and some surrounding residential areas (CDM Rosecrans Recreation Center, 2006). This project incorporates water capture and use of stormwater; however, most of the water captured is from outside of the DC WMG area. Because of this, the impact of this project is negligible and does not affect the RAA or meeting the EWMP water quality planning objectives.

4.2.3 BMP Planning Process Completed Prior to Development of the EWMP

The following existing TMDL implementation plans and watershed management planning documents were reviewed as part of the development of the EWMP to identify potential projects for inclusion:

- 2013 Public Draft Update for the Greater Los Angeles County (GLAC) Integrated Regional Water Management Plan (IRWMP);
- 2013 Proposition O (Clean Water Bond Program) October Monthly Report;
- 2012 GLAC IRWMP Update, the Greater Los Angeles County Open Space for Habitat and Recreation;
- 2012 GLAC IRWM South Bay Subregional Plan;
- 2011 Multi-pollutant TMDL Implementation Plan for the County of Los Angeles Unincorporated Area of Machado Lake Watershed;
- 2004 Dominguez Watershed Management Master Plan (DWMMP);
- 2003 Dry-Weather Discharge Treatment Feasibility Study submitted by the County of Los Angeles Department of Public Works Watershed Management Division;
- Opti, part of the GLAC IRWMP online project database; and
- Los Angeles County Clean Water, Clean Beaches online project database.

These documents were also reviewed in an effort to identify planned projects that were evaluated to determine if they meet the EWMP criteria for regional projects and represent feasible implementation options. These projects are included in Figure 4-2 and, because they were in service prior to 2012, their effects on load reductions and receiving water concentrations are built into the receiving water data used to calibrate the model and are represented by the baseline. Some of the references include broad plans outlining the steps necessary towards improving water quality and recommending different BMPs under different conditions. These documents provided conceptual scenarios without going into great detail. In addition, data was obtained from Opti and the Los Angeles Clean Water, Clean Beaches online project databases. The data reviewed included no information regarding planned distributed public BMP projects.

Plans Reviewed and Incorporated into this EWMP

The existing plans developed by DC WMG members were reviewed and are listed below. The EWMP and associated implementation actions replace the previous plans and addresses the various TMDLs.

- Los Angeles Harbor Bacteria TMDL
- Dominguez Channel and Greater Los Angeles and Long Beach Harbor Toxics TMDL
- Machado Lake Nutrient TMDL
- Machado Lake Nutrient & Toxic TMDL Monitoring & Reporting Plan for the Los Angeles County Flood Control District
- Multipollutant TMDL Implementation Plan for the County of Los Angeles Unincorporated Area of the Machado Lake Watershed
- Machado Lake Pesticides and PCBs TMDL

4.2.4 Process of Identifying and Selecting Multi-Benefit Regional Projects (EWMP Regional Projects)

The approach described below was used to identify, screen, and evaluate potential regional projects. This approach included a watershed based assessment of all publicly-owned and some private parcels within the DC WMG to evaluate if they would be suitable to support a regional stormwater enhancement project. The approach to identifying potential regional projects is illustrated in Figure 4-3. The process is discussed generally in the sections below and in detail in Attachment O.

Table 4-8 lists scoring and ranking criteria and how the parcels were scored based on those criteria. The right most column of Table 4-8 lists if Geographical Information System (GIS) data were useable for autonomous scoring of the parcels. Following the autonomous scoring of the parcels, parcels were visually evaluated to assess if they could conceivably provide sufficient space for a regional project that retains the 85th percentile storm from a catchment area outside the parcel itself.

For visual evaluation, the following screening criteria were adhered to:

1. Score using the GIS approach.
2. Identify Assessors Identification Numbers (AIN) ending in 900s. These represented tax exempt parcels, which, if tax-exempt, were assumed therefore to be government owned and likely owned by a DC WMG agency. Once identified in the Tier 1 list as noted below and considered potentially suitable, ownership research was conducted to verify if they were owned by a DC WMG agency.
3. Specify which Tier a parcel should be categorized in based on its land use.

   Tier 1: 900 coded open space, parks, golf courses, vacant

   Tier 2: 900 coded everything else, with the exception of education

   Tier 3: non-900 coded (privately owned) open space, parks, golf courses, vacant

   Tier 4: education – both 900 and non-900 coded

   Tier 5: everything else – non-900, non-education, non-park/open space/golf course/vacant.
4. Exclude Tier 5; if a Watershed Management Group (WMG) member or stakeholder brings a Tier 5 parcel forward, it can be evaluated further for feasibility.
5. Exclude parcels < 0.25 acres. These would have insufficient space for regional retention.
6. Exclude parcels that are part of natural water body.
7. Exclude parcels at edge of the DC WMGA. These would not collect significant water from the DC WMGA jurisdictions.
8. Exclude parcels with more than 60 to 70% buildings based on visual inspection of Google Earth and views available on or after December 2014.

9. Exclude open space parcels that have been developed based on visual inspection. It is important to note that a number of parcels labeled as “open space” were developed and their land use designation not changed in the parcel data available.
10. Exclude parcels that have less than approximately 10 acres tributary to them. This was not strictly adhered to, but in general, parcels that could collect water from 10 acres upstream of them were preferred.
11. Of the 900 series that survive this screening, review the ownership. If available data indicates the property is owned by WMG agencies, select as potential regional projects.
12. Review the unselected 900 series and the non-900 series that survive this screening and list the top 100 to 200 scores from those.
13. Visually inspect the top 100 to 200 and identify those that may have better potential to explore further based on potential catchment area, potential space on site and size of site, and potential ownership.

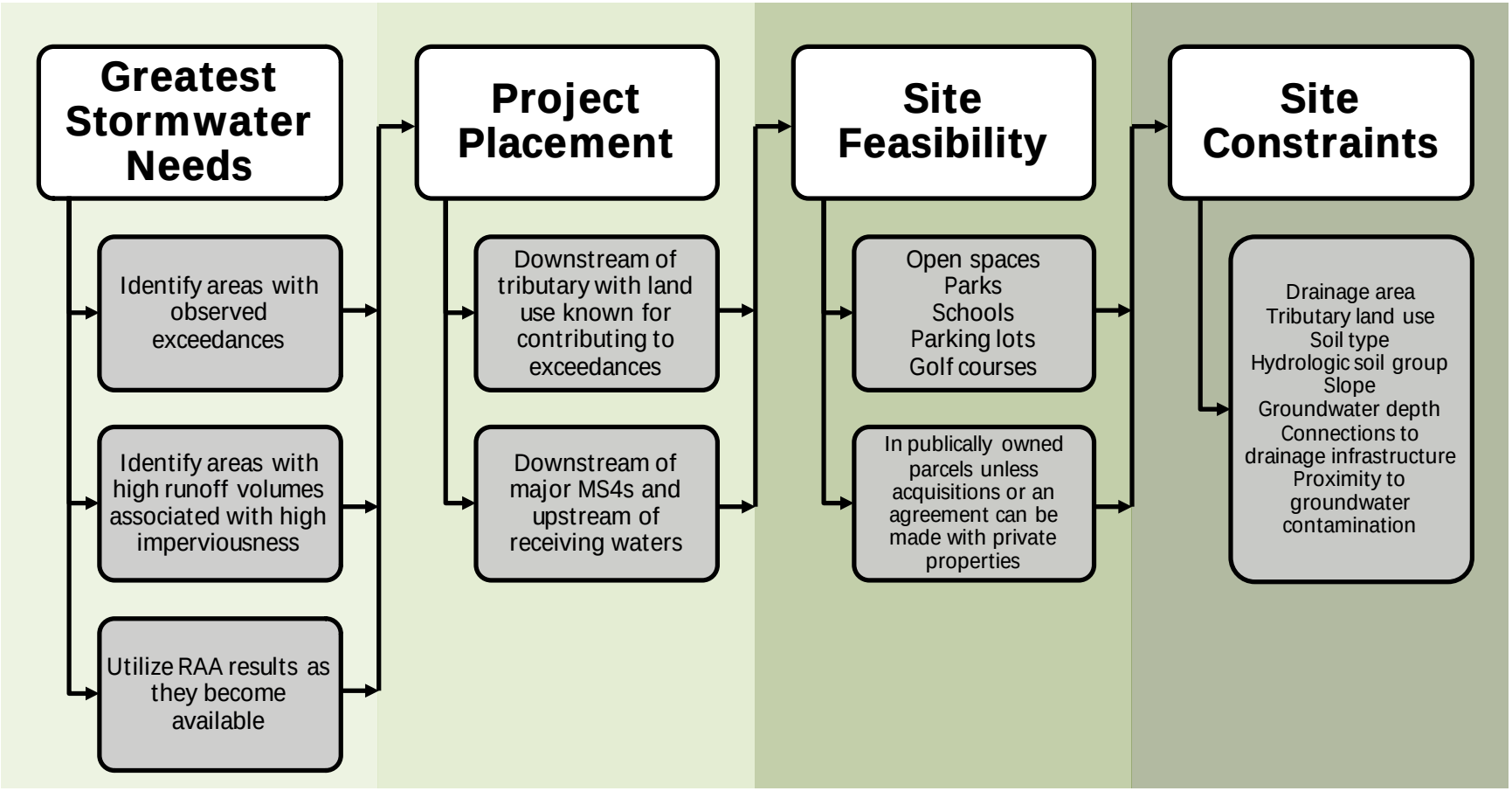


Figure 4-3: Approach to Identifying Potential Regional Projects

Table 4-8: Ranking Criteria

Criteria		Points						GIS Coverage
		0	1	2	3	4	5	
General Criteria	Proximity to an Outfall (mile) (x2)	3.0 ≤ X	2.5 ≤ X < 3.0	2.0 ≤ X < 2.5	1.5 ≤ X < 2.0	1.0 ≤ X < 1.5	0 ≤ X < 1.0	X
	Proximity to 36" Storm Drain (feet)[1]	1,000 ≤ X	800 ≤ X < 1000	600 ≤ X < 800	400 ≤ X < 600	200 ≤ X < 400	0 ≤ X < 200	X
	Land Use (x2)	Restricted Area (DOD)	Private requiring demolition of structures	Private with large parking lots requiring no changes to land use	Schools and Golf Courses	Public Buildings	Public Open Space	X
	Parcel Size (acre)	X < 0.25	0.25 ≤ X < 1.0	1.0 ≤ X < 2.0	2.0 ≤ X < 3.0	3.0 ≤ X < 4.0	4.0 ≤ X	X
	Catchment Area[2]	X<1	1 ≤ X < 25	25 ≤ X < 50	50 ≤ X < 75	75 ≤ X < 100	100 ≤ X	
Underlying Soil Conditions	Contamination[3]	Superfund	Possible Contamination				Certain no contamination	X
	CPI		1	2	3	4	5	X
	Soil Infiltration Rate (inches/hour)	X < 0.3	0.3 ≤ X < 0.5	0.5 ≤ X < 0.7	0.7 ≤ X < 0.9	0.9 ≤ X < 1.1	1.1 ≤ X	X
	Slope (%)	10 < X	5 < X ≤ 10	3 < X ≤ 5	2 < X ≤ 3	1 < X ≤ 2	0 < X ≤ 1	
	Liquefaction Areas	Possible Liquefaction					No Liquefaction	X
	Landslide Areas	Possible Landslide					No Landslide	X
	Depth to Groundwater (feet)[2,4]		X ≤ 10				10 < X	
	Depth to Storm Drain Infrastructure (feet)[2]	15 ≤ X	10 ≤ X < 15	5 ≤ X < 10	3 ≤ X < 5	0 < X < 3	X=0 (open channel/ gutter)	

Notes:
1. Based on distance to midpoint of GIS pipeline segment to centroid of parcel.
2 GIS data coverage not currently available.
3 Superfund information only.
4 Site specific conditions may allow variances.

The potential project footprints are based on stormwater storage areas of sufficient size to infiltrate in 72 hours or to store the 85th percentile storm in 10 feet of depth unless otherwise noted. In most cases, areas needed to infiltrate in 72 hours were larger than the area needed to store the storm volume in 10 feet of depth.

From the tier 1 list, after the additional manual screening, a total of nine parcels were identified that show promise for placement of regional projects that capture some catchment area and may be controlled by Watershed Management Group (WMG) members for: (listed in order from the northern part of the watershed to the southern part)

1. Chester Washington Golf Course
2. El Segundo Pump Station
3. Jim Thorpe Park
4. Ramona Park
5. Hawthorne Memorial Park
6. Darby Park
7. Harbor City Park
8. Averill Park
9. Wilmington Recreation Center

These top ranked project parcels were recommended for implementation and a preliminary feasibility evaluation was performed. Concept drawings were prepared for the recommended projects and are provided in Attachment P. Table 4-9 lists the recommended projects within the DC WMG and identifies the space available, drainage area, design volume (associated with the 85th percentile, 24-hour rain event), and volume provided based on the concept drawings. The project sites are illustrated in Figure 4-4. Although these top nine projects were the only projects evaluated, additional tier 1 parcels will continue to be investigated by the DC WMG, as appropriate.

Table 4-9: Regional Project Site Summary

Recommended Project Site	Ownership	Parcel Size (ac)	Drainage Area (ac)	Design Volume (ac-ft)	Storage Volume (ac-ft)
Chester Washington Golf Course (North)	County[1]	116	636	25.8	26.4
Chester Washington Golf Course (South)			542	22.0	26.1
El Segundo Pump Station	El Segundo	6.2	574	27.0	27.0
Jim Thorpe Park	Hawthorne	7.6	378	16.0	16.0
Ramona Park	Hawthorne	1.7	273	12.9	12.9
Hawthorne Memorial Park	Hawthorne	6.6	202	8.2	8.2
Darby Park	Inglewood	19.5	106	5.2	5.2
Harbor City Park	Los Angeles	14.8	4,460	77.0	80.7
Averill Park	Los Angeles	10.7	1,376	21.4	21.4
Wilmington Recreation Center	Los Angeles	7.2	273	12.9	12.9

[1] Facility is owned by the County, but operated under lease by American Golf.

A field investigation was completed at six of the nine identified sites. The investigation consisted of background geologic literature review and a Cone Penetrometer Tests (CPT) to depths below the bottom of the planned retention systems or when refusal was encountered. The results of these field

investigations are provided in Attachment Q. The investigations suggested that the infiltration rates being used to assess the performance of the regional projects are within appropriate ranges.

All of the regional project concepts, with the exception of the El Segundo Pump Station, involve subsurface storage that promotes infiltration using perforated steel reinforced poly-ethylene (SRPE) cisterns or a concrete vault with a perforated bottom. It is preferable to infiltrate the captured volume of water within 72 hours as that is the presumptive vector (mosquito) control standard for the Los Angeles County Department of Public Health. In some locations, there was insufficient footprint to infiltrate within 72 hours given the published potential infiltration rates of the site surficial soils as they are currently mapped. In those locations, deeper vaults were considered necessary to capture the control volume. It would infiltrate, but not within 72 hours. These locations were at such depth that, based on prior work siting subsurface retention in Los Angeles County, the Department of Public Health would be likely to consider the depth of the vault to be sufficient to prevent vector breeding from occurring in the vault.

Flows from the existing storm drain system will be diverted to the project sites through gravity. No pump stations are planned at this time. The need for pumping would be evaluated on a case by case basis during project concept planning.

The water captured could potentially be used to supplement irrigation, where the demand justifies such use. If not used for irrigation, it would generally infiltrate into the shallow groundwater basin. To move the water into a drinking water aquifer, injection would be necessary as described in Section 4.2.6.

At the El Segundo Pump Station site, the existing pump stations basin will be re-graded to promote better infiltration and increased capacity. The El Segundo Pump Station site recharge will increase the groundwater pressures to assist with the West Coast Basin Seawater Barrier.

The recommended regional project sites were modeled in the RAA by setting the drainage area tributary to the sites as compliant when the project provides the 85th percentile, 24-hour storm event volume or greater capture. These projects are considered regional EWMP projects and satisfy the criteria identified in Part VI.C.1.g of the MS4 Permit. All of the regional project sites proposed capture a volume greater than or equal to the 85th percentile, 24-hour storm volume generated from their subcatchments within the DC WMG.

4.2.4.1. Regional Projects Descriptions

The concepts for the recommended regional projects vary based on the water storage required, available surface area, and infiltration rates of the project's location. Some projects utilize large diameter perforated pipes for subsurface infiltration while others utilize concrete vaults with perforated bottoms. All of the regional projects include one project concept, except the Chester Washington Site. The Chester Washington has two tributary areas and has one storage system in the northern portion of the site and a second in the southern portion of the site to capture flow from both tributary areas. Factsheets for the recommended regional projects showing each projects' cross section, site and design parameters, site renderings, and locations within the DC WMG boundary area are provided in Figure 4-5 through Figure 4-13 below. Additional information regarding cone penetrometer testing for a preliminary assessment of soil types at selected locations can by found in Attachment Q. The sites are shown on a map in Figure 4-4.

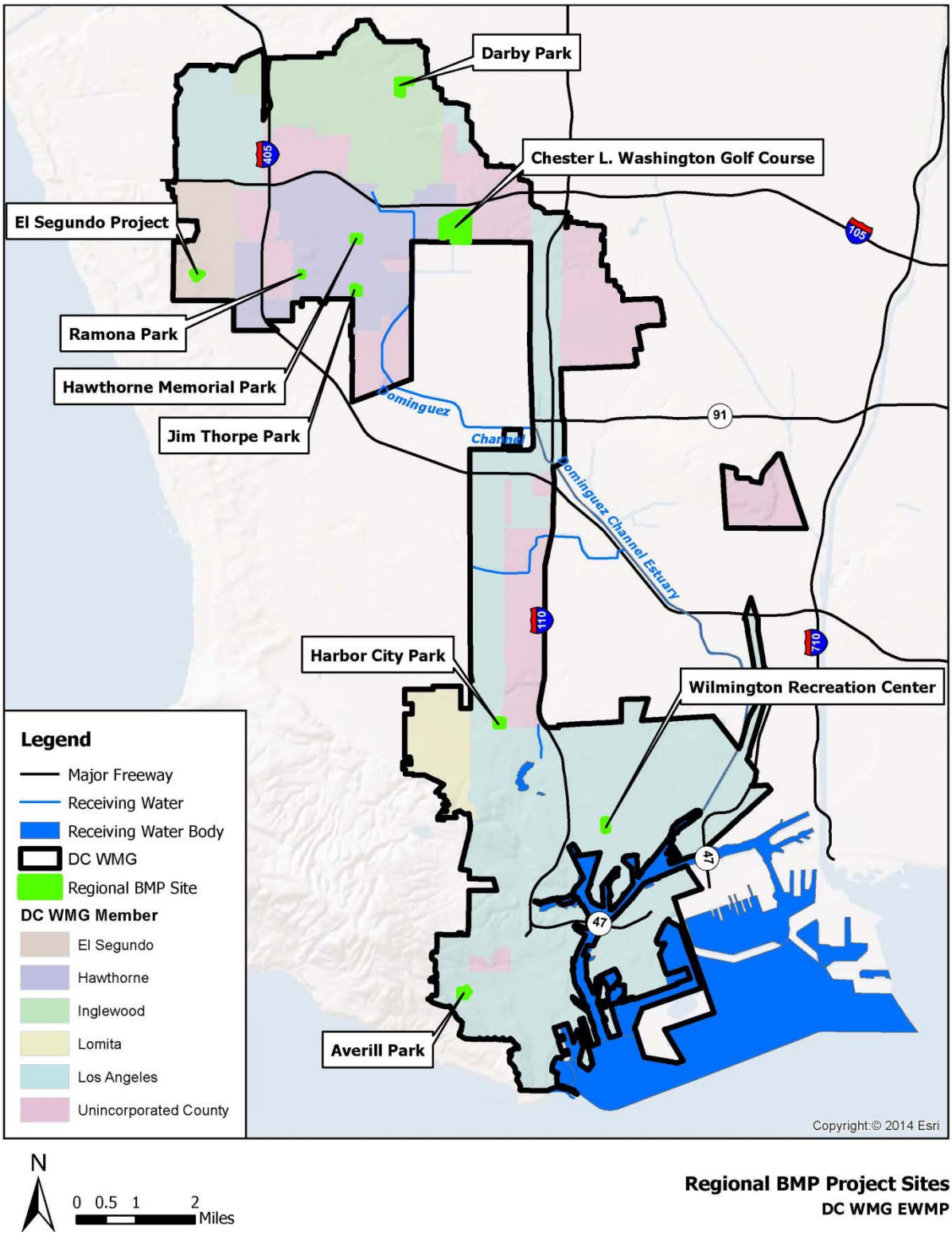
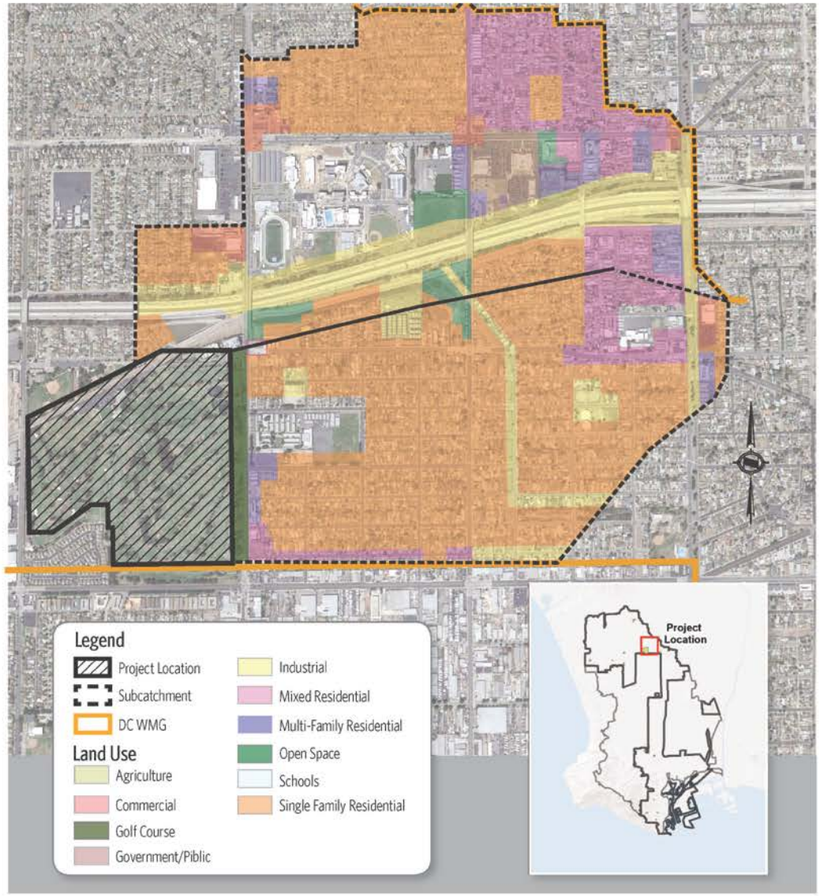


Figure 4-4: Regional BMP Project Sites

PAGE INTENTIONALLY LEFT BLANK



Chester Washington Golf Course		
Item	Detail	
Ownership	Los Angeles County	
AIN	4057-032-900	
Address	1930 W 120th St., Los Angeles, CA 90047	
Infiltration Rate (in/hr)	0.45	
Groundwater Basin	West Coast and Central	
Site Area (acre)	116	
	NORTH	SOUTHWEST
Drainage Area (acre)	636	542
Design Volume (ac-ft)	25.8	22
Latitude and Longitude	33°55'23.61"N 118°18'36.90"W	33°55'1.51"N 118°18'36.90"W
Major Watershed/Tributary	Dominguez Channel	
Existing Site Description	Golf Course, Open Space	
Soil Type	Ramona Loam	
Drainage Area Total Impervious (%)	3	
Design Storm Event Rainfall Depth (in)	0.95	
Proposed Retrofit Description	Concrete Vault with Perforated Bottom	23 Rows of 120" Perforated Pipe
BMP Footprint (Cubic Feet)	96,000	141, 252
Media Depth (Feet)	31	33
Construction Cost ($, millions)	59.6	
Annual Maintenance Cost ($, millions)	0.5	
Design and Construction Time	7.5	
Completion Year	2026	

NOTES:

1. Rendering does not include all details of the proposed project and existing site conditions.
2. All figures are not to scale (NTS) and shall be used for conceptual purposes only.
3. Rendering only shows Chester Washington South Project.

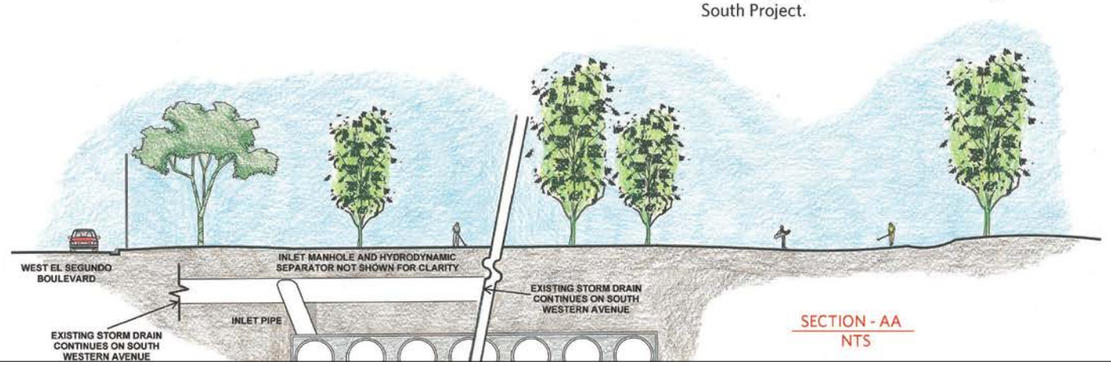
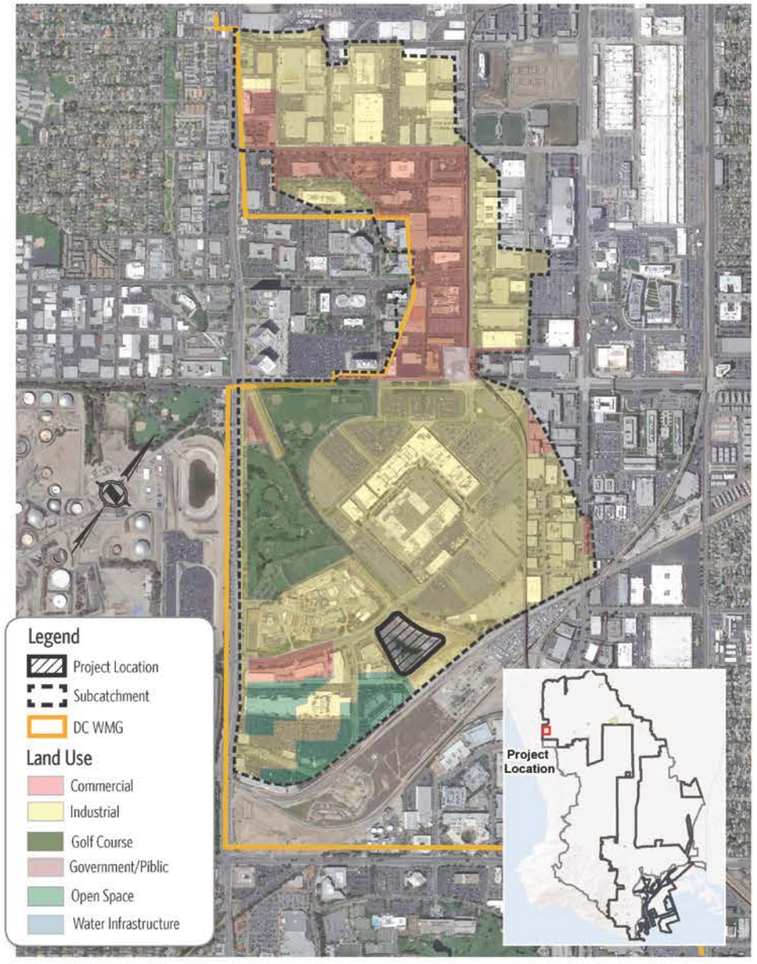
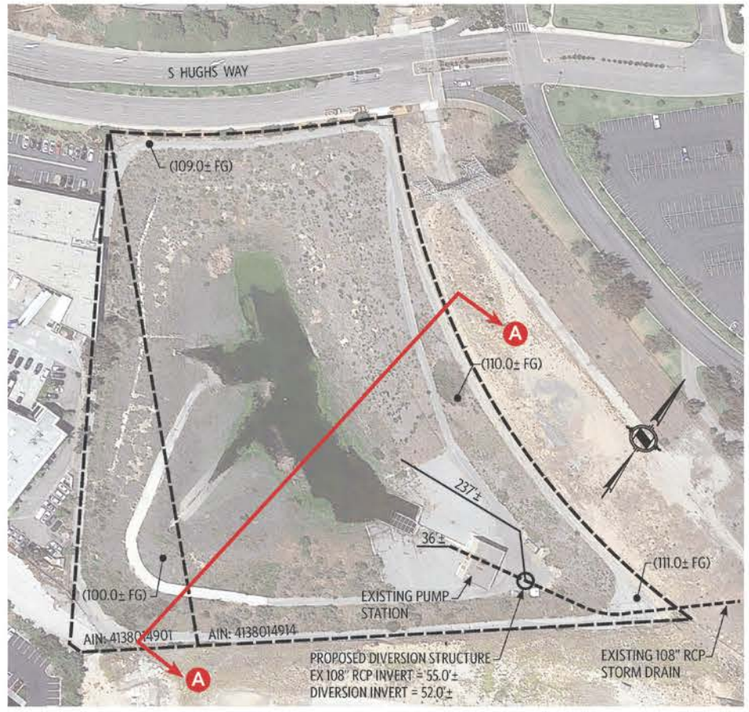


Figure 4-5: Chester Washington Golf Course





El Segundo Pump Station	
Item	Detail
Ownership	City of El Segundo
AIN	4138-014-901; 4138-014-914
Address	S Hughes Way and Allied Way, El Segundo, CA
Infiltration Rate (in/hr)	0.81
Groundwater Basin	West Coast
Site Area (acre)	7.39 (6.2 + 1.19)
Drainage Area (acre)	5.74
Design Volume (ac-ft)	27
Latitude and Longitude	33°54'29.96"N 118°23'23.34"W
Major Watershed/Tributary	Dominguez Channel
Existing Site Description	Open Space, Ex-Pump Station
Soil Type	Ramona Sandy Loam
Drainage Area Total Impervious (%)	70
Design Storm Event Rainfall Depth (in)	0.9
Proposed Retrofit Description	Re-grade for Better Infiltration
BMP Footprint (Square Feet)	112,817
Media Depth (Feet)	N/A
Construction Cost ($, millions)	1.4
Annual Maintenance Cost ($, millions)	0.016
Design and Construction Time	3.5
Completion Year	2026

NOTES:

1. Rendering does not include all details of the proposed project and existing site conditions.
2. All figures are not to scale (NTS) and shall be used for conceptual purposes only.

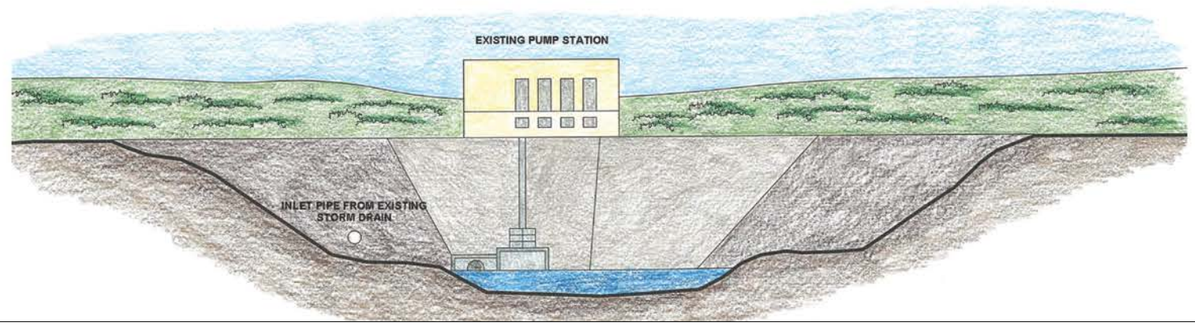
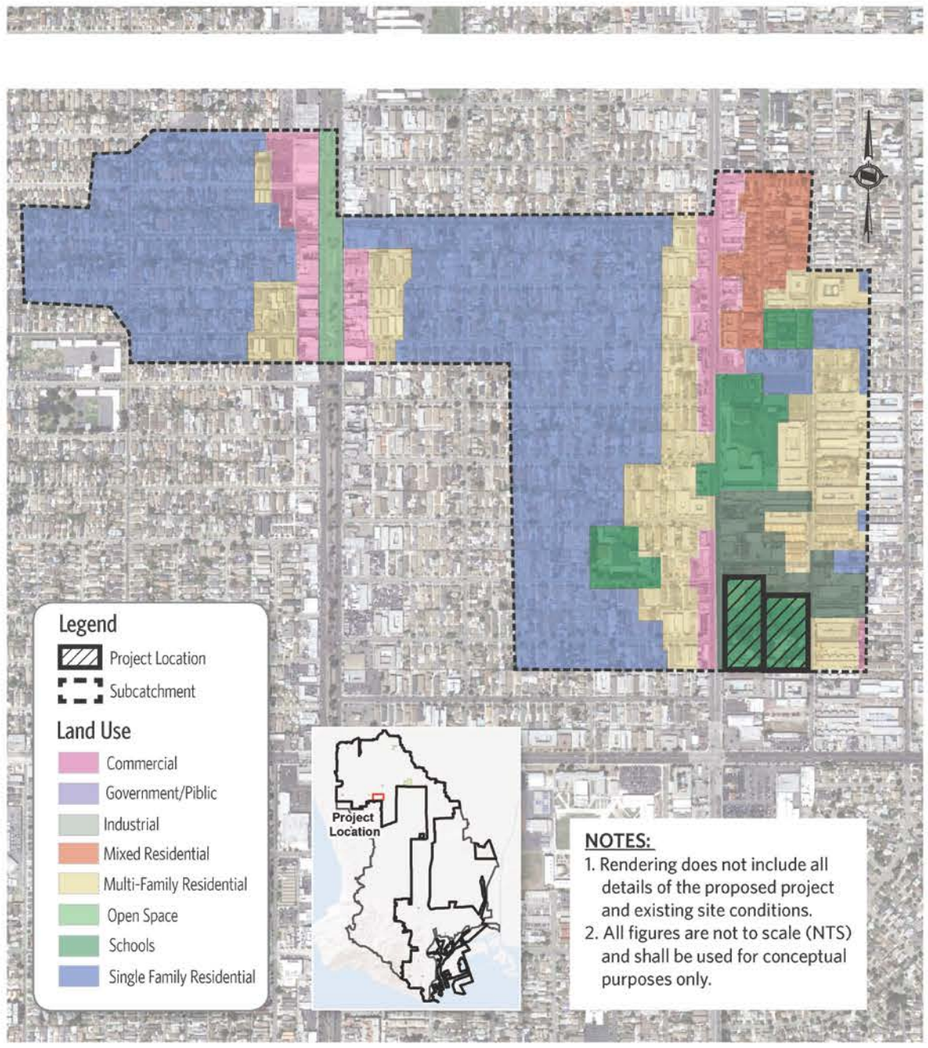
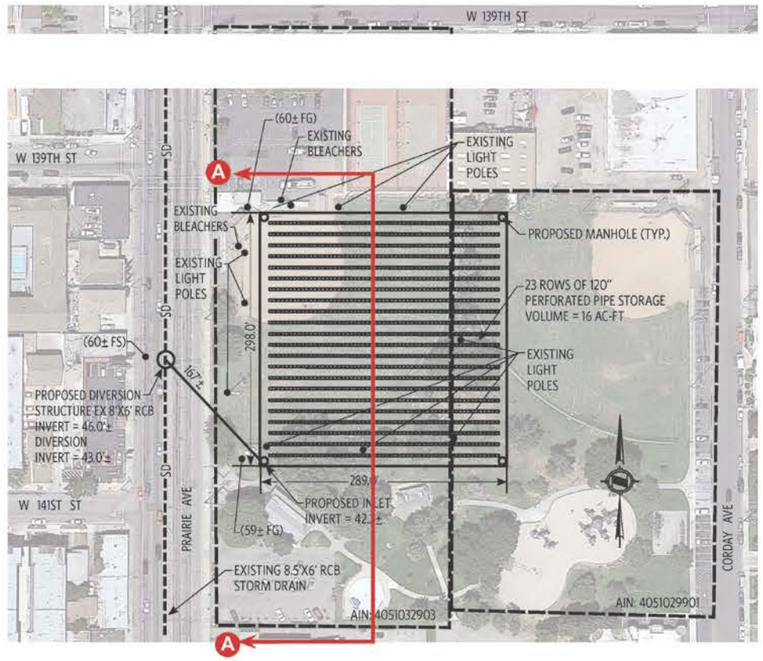


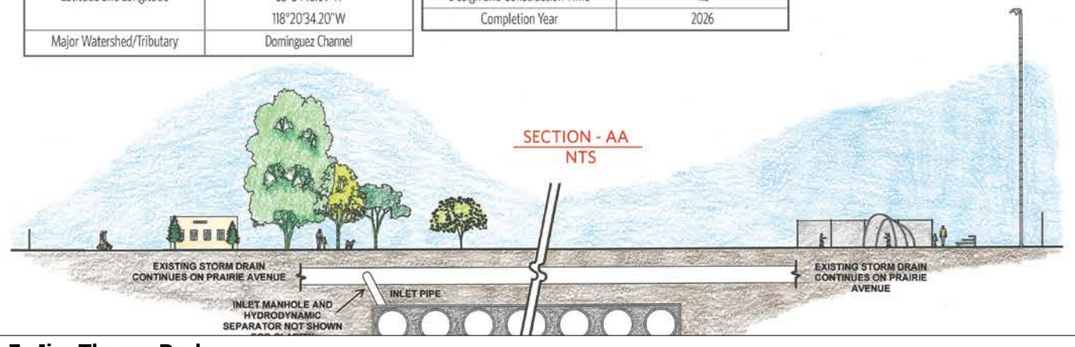
Figure 4-6: El Segundo Pump Station





Jim Thorpe Park	
Item	Detail
Ownership	City of Hawthorne
AIN	4051-032-903; 4051-029-901; 4051-030-901
Address	14100 Prairie Ave., Hawthorne, CA 90250
Infiltration Rate (in/hr)	0.27
Groundwater Basin	West Coast
Site Area (acre)	8.65(4.1 + 3.53 + 1.02)
Drainage Area (acre)	378
Design Volume (ac-ft)	16
Latitude and Longitude	33°54'16.09"N 118°20'34.20"W
Major Watershed/Tributary	Dominguez Channel

Jim Thorpe Park (cont'd)	
Item	Detail
Existing Site Description	Park, Open Space
Soil Type	Montezuma Clay Adobe
Drainage Area Total Impervious (%)	51
Design Storm Event Rainfall Depth (in)	0.95
Proposed Retrofit Description	23 Rows of 120" Perforated Pipe
BMP Footprint (Square Feet)	86,122
Media Depth (Feet)	28
Construction Cost ($, millions)	18.0
Annual Maintenance Cost ($, millions)	0.23
Design and Construction Time	4.5
Completion Year	2026



DOMINGUEZ CHANNEL WATERSHED EWMP
PRELIMINARY DESIGN CONCEPTS
Jim Thorpe Park Project Site

Figure 4-7: Jim Thorpe Park

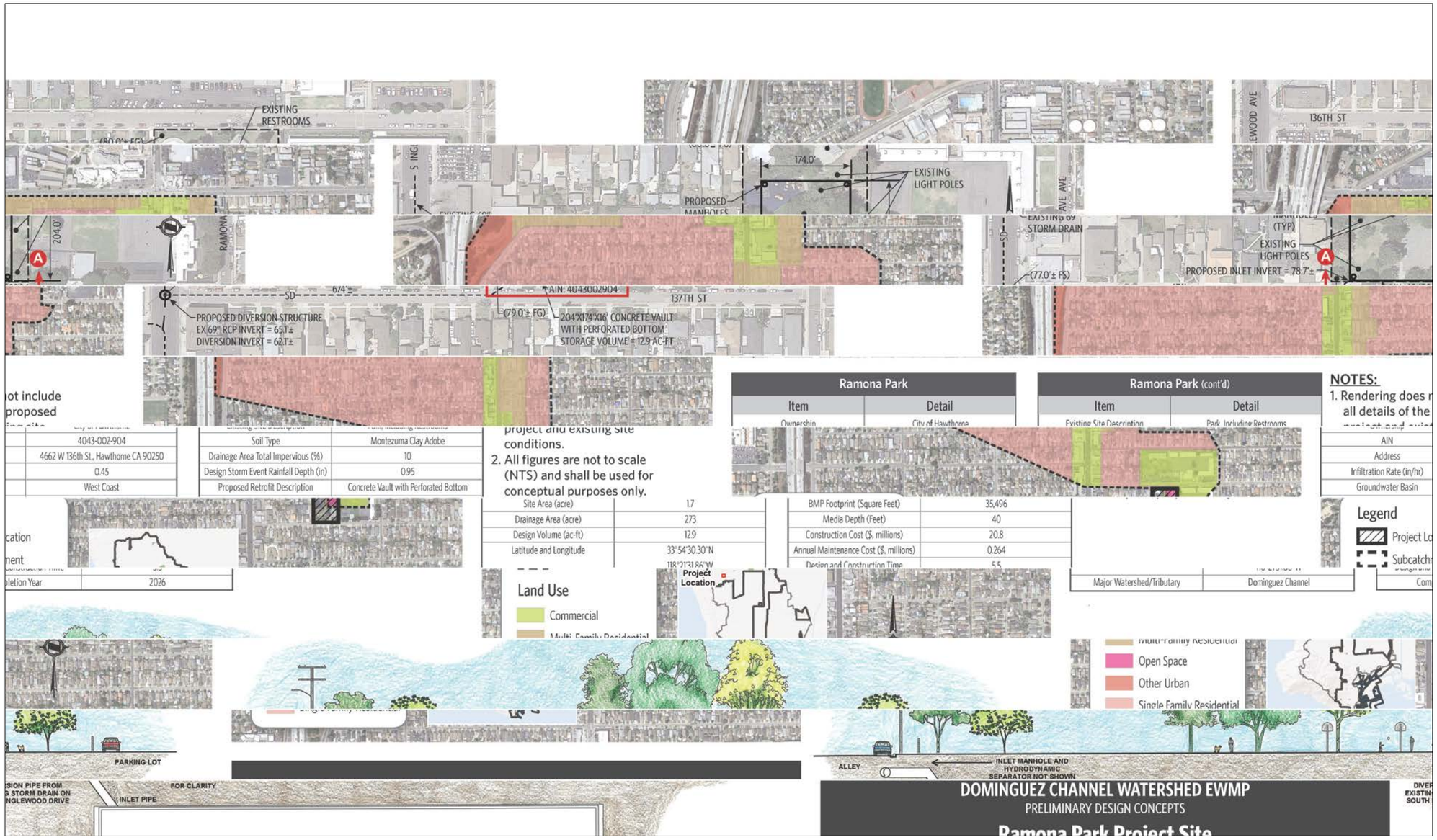


Figure 4-8: Ramona Park

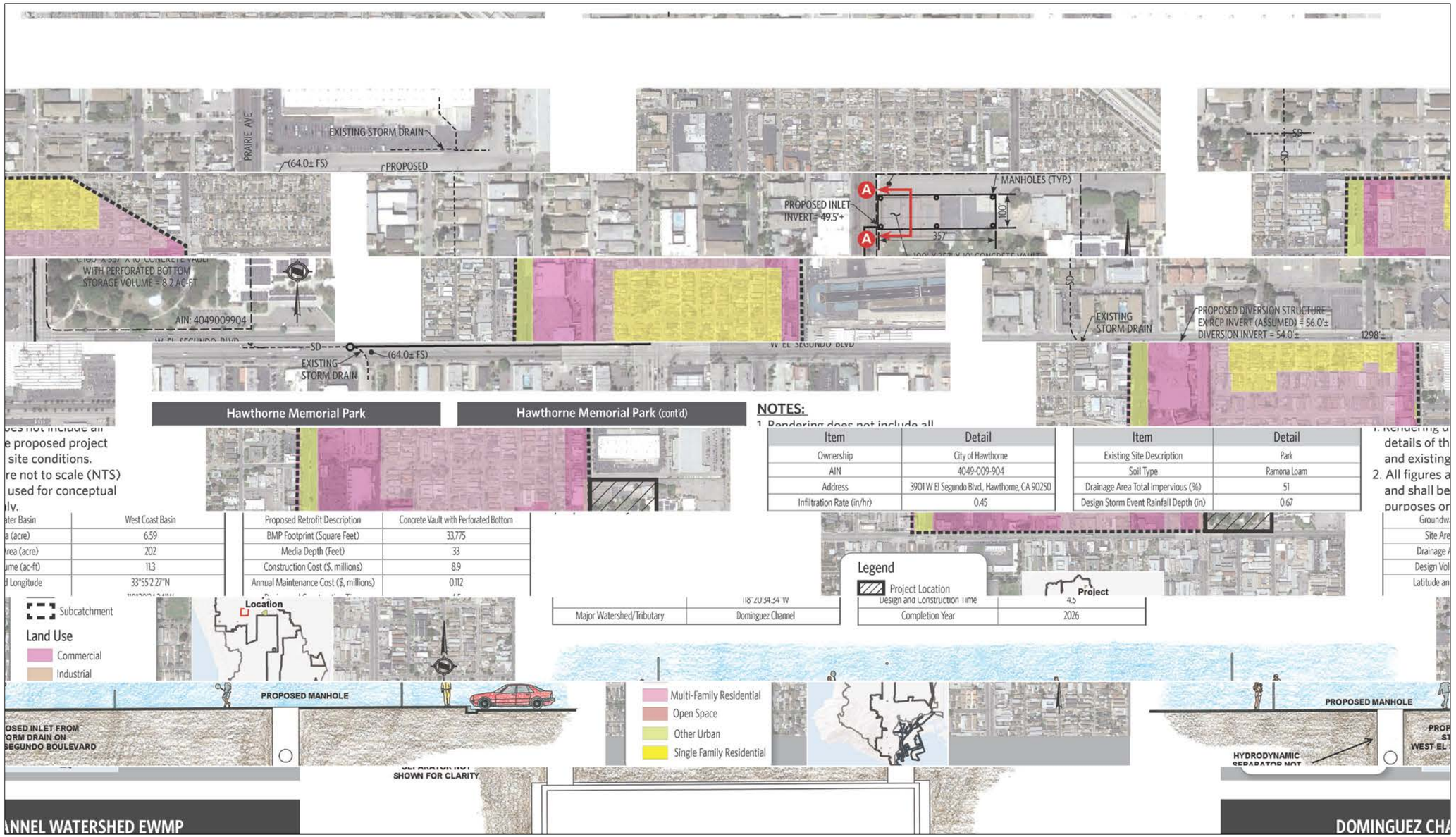


Figure 4-9: Hawthorne Memorial Park

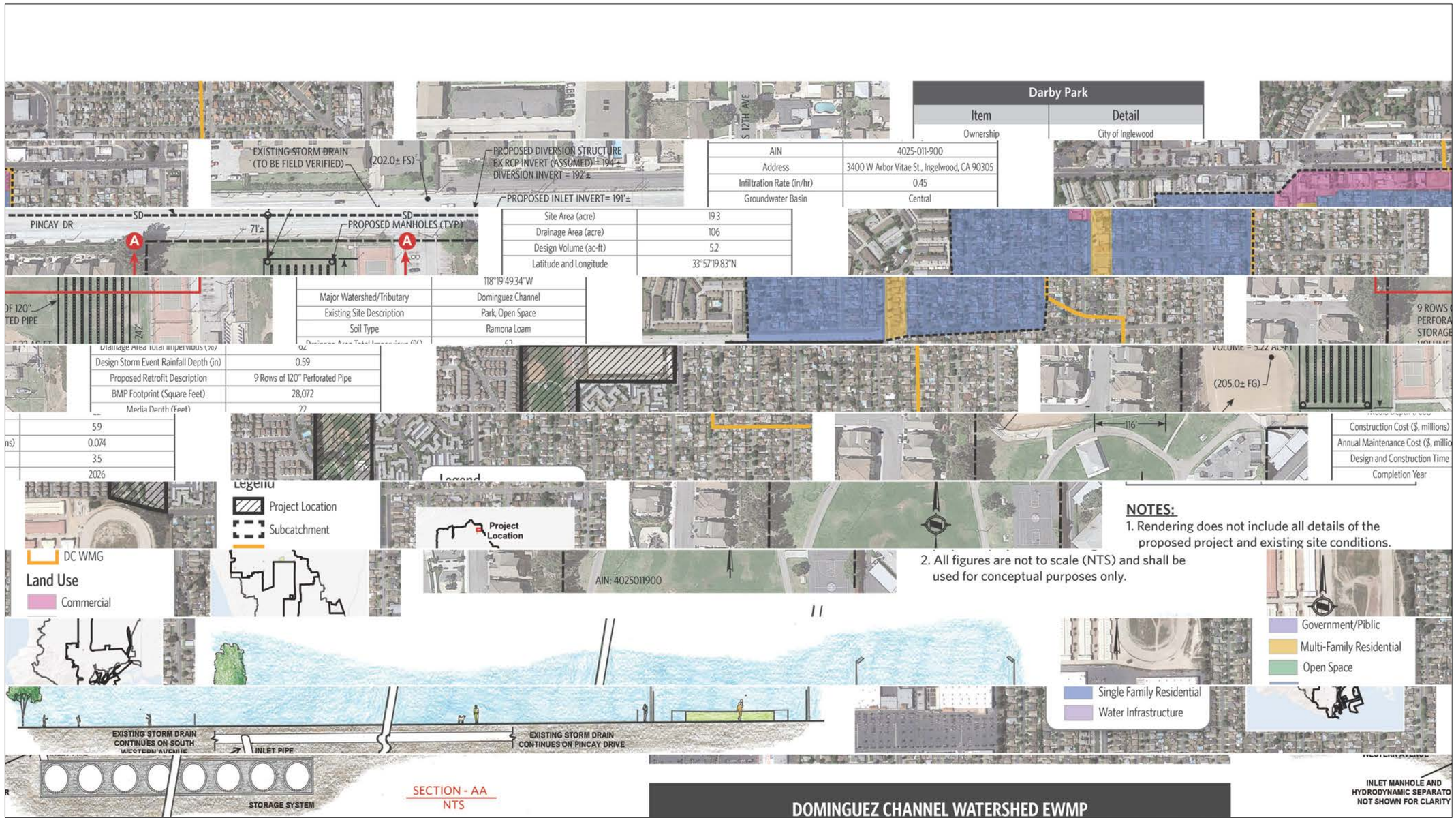


Figure 4-10: Darby Park

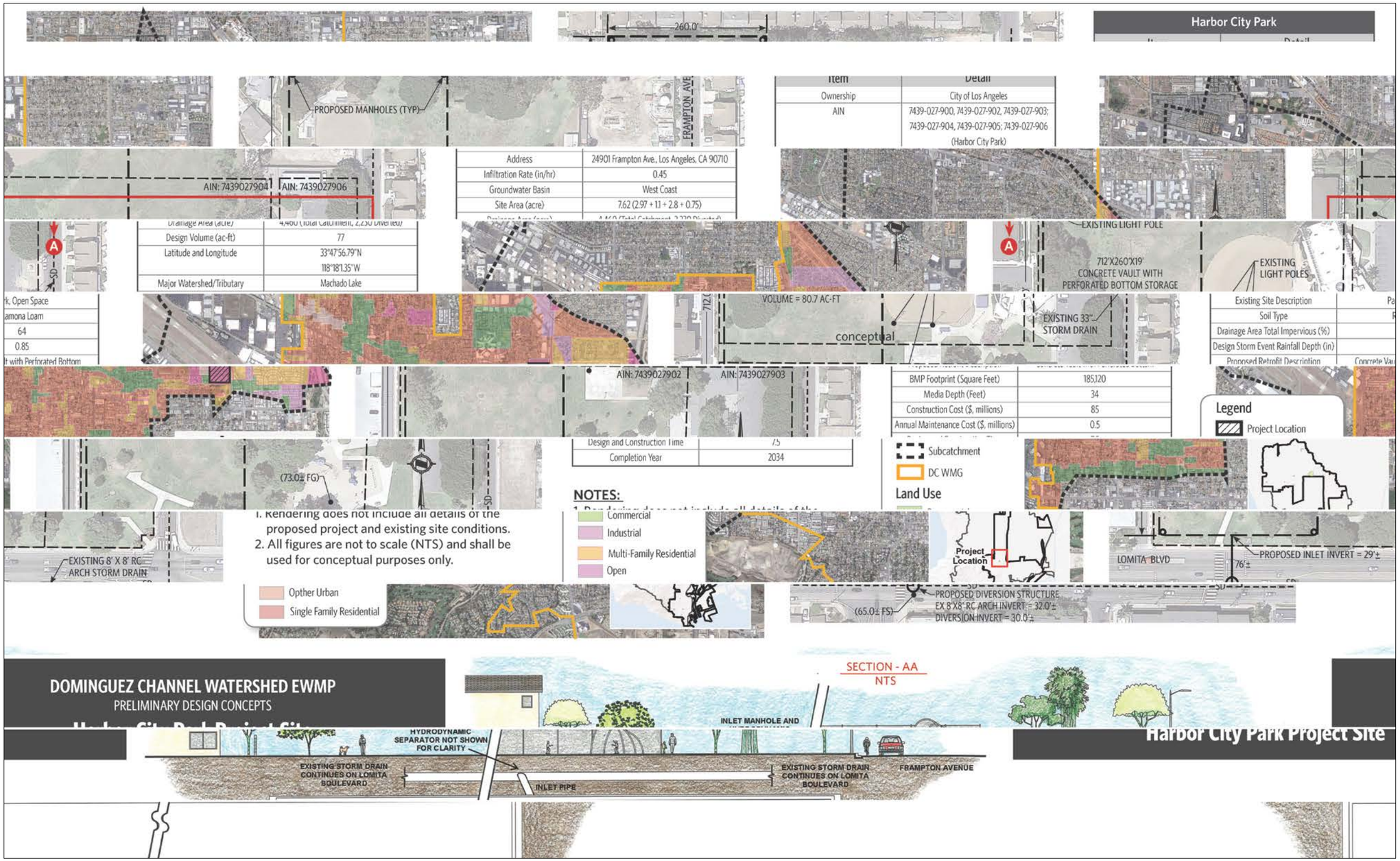
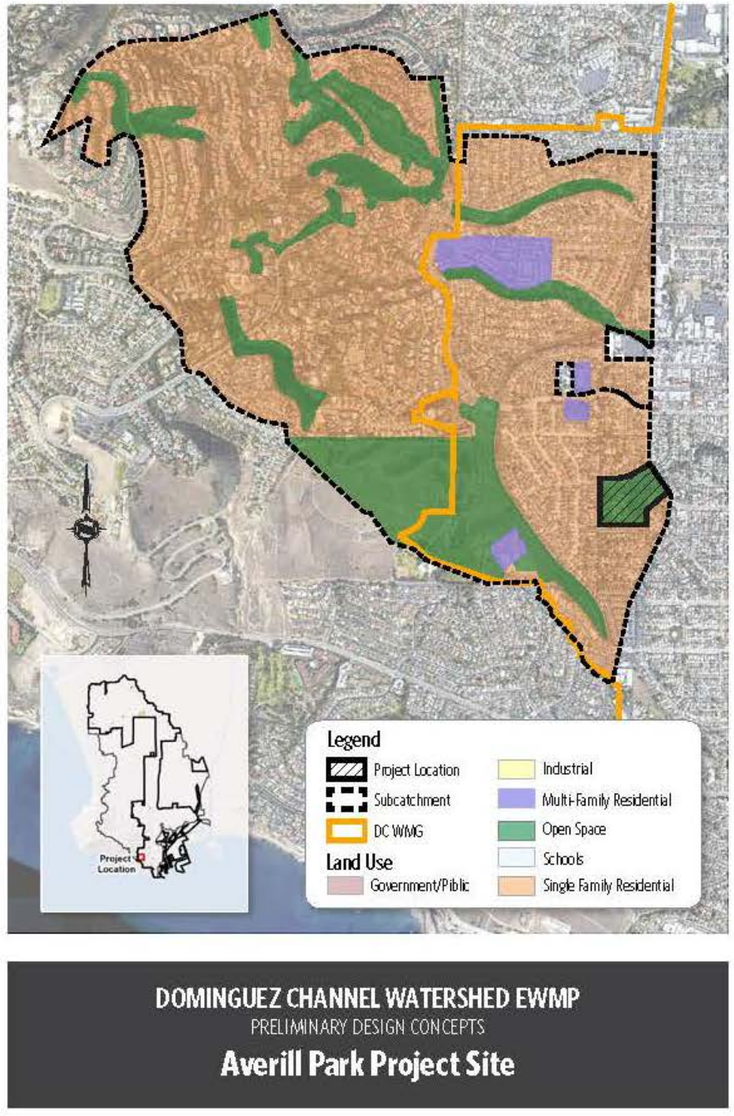
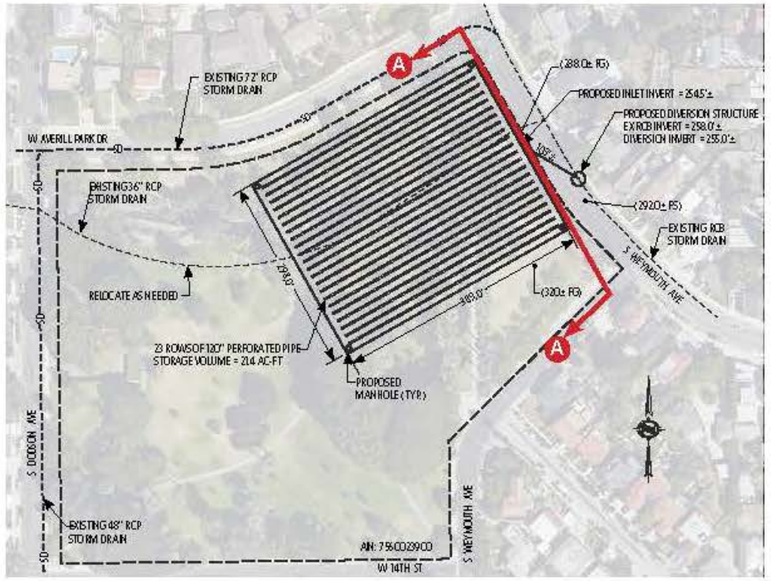


Figure 4-11: Harbor City Park





Averill Park	
Item	Detail
Ownership	City of Los Angeles
AIN	7560-023-900
Address	1300 S Dodson Ave., San Pedro, CA 90732
Infiltration Rate (in/hr)	0.4
Groundwater Basin	West Coast
Site Area (acre)	10.7
Drainage Area (acre)	13.76
Design Volume (ac-ft)	21.4
Latitude and Longitude	33°43'57.55"N 118°18'37.84"W
Major Watershed/Tributary	Los Angeles/Long Beach Harbor
Existing Site Description	Park, Open Space
Soil Type	Diablo Clay Loam
Drainage Area Total Impervious (%)	10
Design Storm Event Rainfall Depth (in)	0.19
Proposed Retrofit Description	23 Rows of 120" Perforated Pipe
BMP Footprint (Square Feet)	115,922
Media Depth (Feet)	4.4
Construction Cost ($, millions)	2.5.5
Annual Maintenance Cost ($, millions)	0.324
Design and Construction Time	5.5
Completion Year	2026

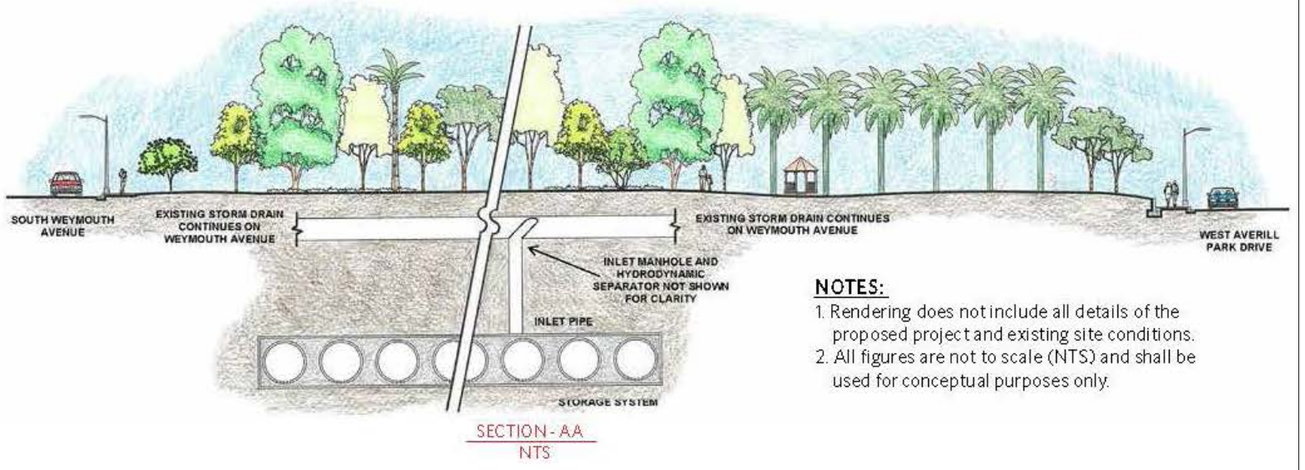


Figure 4-12: Averill Park

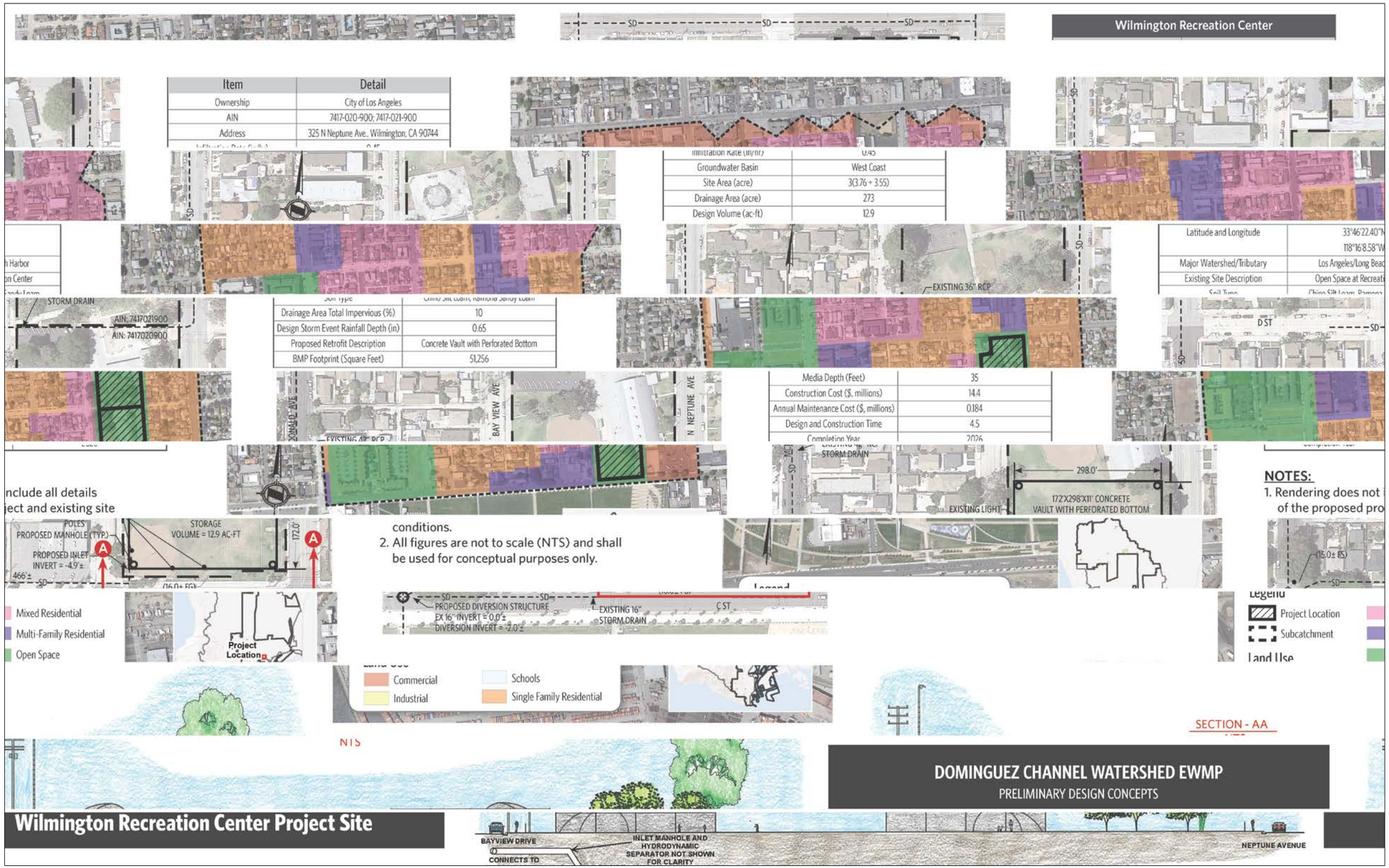


Figure 4-13: Wilmington Recreation Center

PAGE INTENTIONALLY LEFT BLANK

4.2.4.2. Additional Parcel Evaluation

Additionally, tables in Attachment O show parcels for each agency in the WMG that had relatively high scores, had potentially useable features, and were evaluated for the potential to accommodate a regional project. Generally these parcels drained significantly smaller catchments and the cost-effectiveness of using them for stormwater capture would be expected to be comparable to green streets. During future implementation, green streets may be more desirable due to their community benefits outweighing those of subsurface stormwater capture and infiltration projects.

It is important to note that under-utilized properties that could have the potential for conversion to park facilities with stormwater capture systems were sought. None were identified among the DC WMG agencies.

4.2.5 Distributed Projects (Green Streets)

Green streets are consistent with some DC WMG agency plans for various projects. They also provide additional opportunities for volume reduction with the potential for capturing water for municipal use. Once hydrologic and loading scenarios were simulated with the MCM, new and re-development (LID ordinance), and regional BMP implementation, the volume associated with capturing the remainder of the 90th percentile load for the limiting pollutant was estimated. Then, the lane miles of green streets to achieve this storage volume was estimated. The green streets represent distributed BMPs and are modeled to the extent that the required volume reduction is satisfied. Green streets were used as distributed BMPs as they are located in the public right-of-way, are distributed throughout the DC WMG area, and could be implemented as streets are rehabilitated. The volume reduction provided by a green street can be replaced with alternative distributed BMPs as desired.

A green streets analysis was performed for the entire DC WMG area to estimate which streets are most suitable for green street implementation. The following criteria were examined and ranked to establish a green street implementation hierarchy:

1. Slope;
2. Soil infiltration capacity; and
3. Street type.

Each criterion was analyzed based on the methodology described in Attachment R. A ranking system was developed, which was used to classify streets in terms of their potential as green streets (high, medium, or low). The analysis was performed using ArcGIS and Microsoft Excel. Once the streets were ranked for their feasibility as green streets, a subarea analysis was conducted to estimate which streets within each subarea could be implemented as a green street to satisfy the 85th percentile storm event volume criteria or the 90th percentile load criteria, whichever is greater. An infiltration rate of 0.3 inches per hour was used when quantifying the length of green-street required.

Green Street Implementation Summary

The implementation needs based on the subarea analysis were merged together once completed to estimate the quantity of green streets required by jurisdiction and subarea. Table 4-10 identifies the lane mile needs for each jurisdiction within the DC WMG.

Table 4-10: Green Street Implementation Summary by Jurisdiction		
Permittee	**Green Street Lane Miles**	**Percent by Agency**
Dominguez Channel Watershed		
El Segundo	5	3%
Hawthorne	61	26%
Inglewood	33	20%
Los Angeles	43	24%
County Unincorporated	64	27%
Total:	**206**	**100%**
Dominguez Channel Estuary Watershed		
Los Angeles	20	325%
County Unincorporated	61	75%
Total:	**81**	**100%**
Wilmington Drain Watershed		
Lomita	0	
Los Angeles	0	
County Unincorporated	0	
Total:	0	
Machado Lake Watershed		
Lomita	0	0%
Los Angeles	9	100%
Total:	**9**	**100%**
Harbor Watershed		
Lomita	0	0%
Los Angeles	112	98%
County Unincorporated	3	2%
Total:	115	100%
	411	-

Figure 4-14 illustrates the lane miles required throughout the DC WMG, compiling the information from the subarea analysis. Similar to the subarea maps, the green street recommendations are shown as bold green lines. The figure also shows the subareas that are completely within a regional project tributary area, as green streets are not required in these subareas as they are mitigated by the regional project.

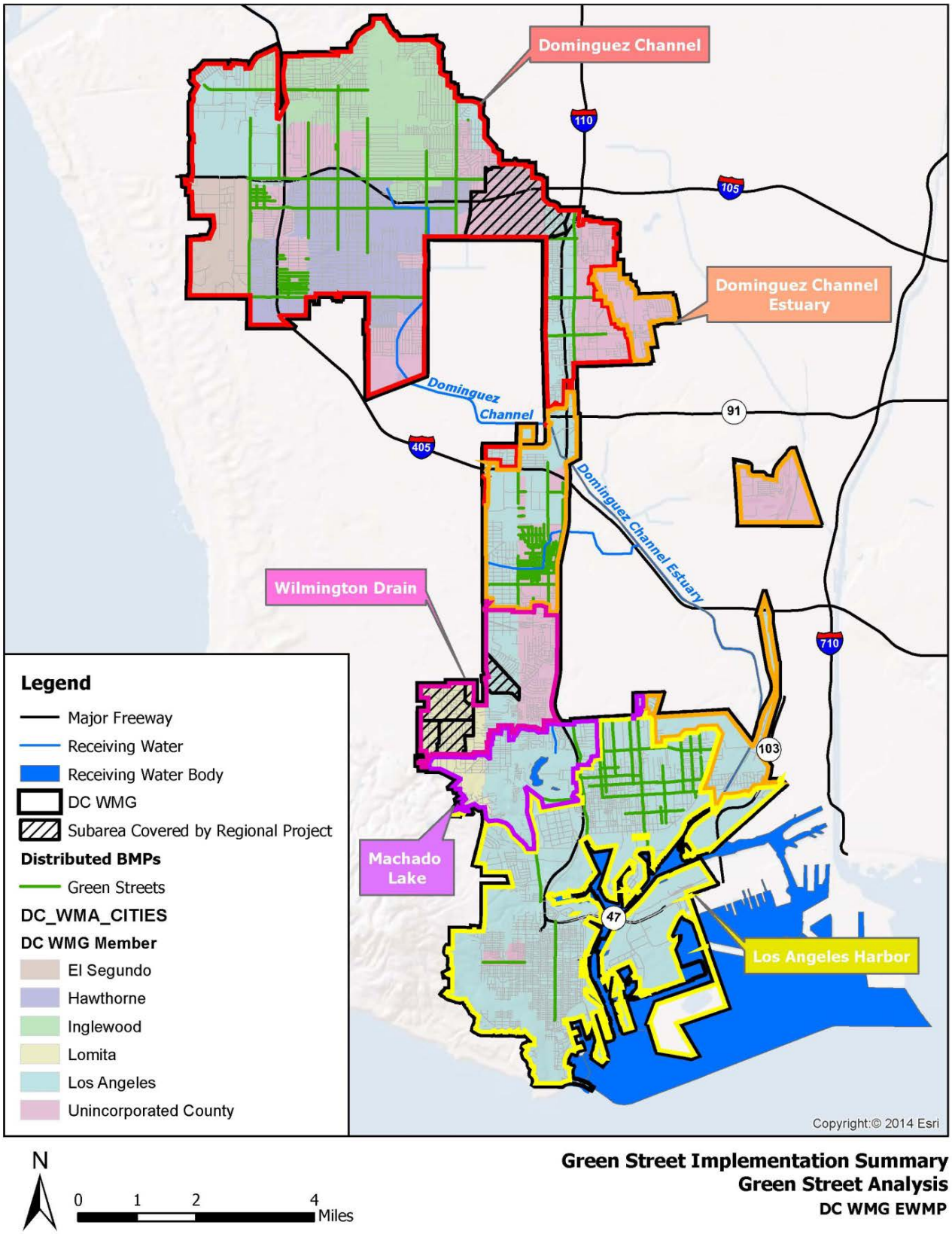


Figure 4-14: Green Street Implementation Summary

Attachment R contains a subarea summary table listing the subarea requirements along with the lane miles provided. A figure is also included so that subarea names can be associated spatially. Additionally, Attachment R contains watershed summary figures demonstrating the streets selected for green street implementation in the five analyzed watersheds. Where it is impractical to implement enough BMPs within a specific subarea, other BMPs are implemented in other subareas to provide the required volume and load reductions on a watershed basis.

4.2.6 Multi-Use Benefits from Injection Well Aquifer Recharge

There is a potential for utilizing the captured stormwater for municipal use within the watershed. One way of doing this is to directly irrigate with the stored water. This can offset some potable water uses. However, the irrigation demands tend to be very low shortly after rain occurs and, therefore, it would be necessary to store the water until irrigation demands increase, which does not replenish the storage volume for capturing a subsequent storm. Another option for utilizing the water for municipal use would be to move it to a drinking water aquifer.

In the DC WMG area, the upper drinking water aquifer (Lynwood aquifers) ranges from 200 to 400 feet below ground surface. The shallow unconfined aquifers are not used for municipal supply due to low yields and uncertain water quality. In order to move captured stormwater to the deeper drinking water aquifers, it would be necessary to inject that water via injection wells. This would require approval from the Regional Water Quality Control Board. Once the water is placed in the drinking water aquifers, then the DC WMG agencies would need to obtain the rights to pump that new water from the drinking water aquifers.

The DC WMG is underlain primarily by the West Coast Groundwater Basin. A small portion of the eastern section of the DC WMG is underlain by the Central Basin Groundwater Basin. Both of these basins are adjudicated. Most water captured by projects in the DC WMG is likely to be injected, if feasible and practicable, into the West Coast Groundwater basin.

Adjudicated Rights in the West Coast Groundwater Basin, as of June 2014, for the cities in the DC WMG are shown Table 4-11.

Table 4-11: West Basin Allowable Pumping Allocation (APA)

Agency	AFY
City of Los Angeles	1,503
El Segundo	953
Hawthorne	1,882
Inglewood	4,450
Lomita	1,352
Total	10,140

The requirements for obtaining increases in Allowable Pumping Allocations (APAs) and requirements for obtaining approval from the Regional Water Quality Control Board to inject captured storm water are presented in Attachment S and the following was found:

> "… injection of captured stormwater is potentially a viable means of achieving additional water rights within the Dominguez Channel Watershed. Both the Central and West Coast Basin Judgments provide specifically for approval of enhanced water rights as a result of augmentation projects developed by parties to one or both judgments. Whether injection projects developed through EWMP implementation are cost effective and viable will depend greatly on the quality of

> the stormwater captured, the parties participating and their respective resources, and the volume of water proposed for development. On balance, projects that are solely in the West Coast Basin are likely to be easier to permit from a water rights perspective given the somewhat more permissive nature of the West Coast Basin Judgment, as well as the fact that eight of the nine project sites overlie the West Coast Basin. Regulatory approvals from the LA Regional Water Quality Control Board are obtainable, and indeed likely to be supported by Regional Board staff (because of the water supply benefit), if the quality of water to be injected meets or exceeds all water quality objectives in the groundwater basin it overlies."

The key constraint to injection of the water into the potable drinking water aquifers is based on the water quality, rather than adjudicated water rights. The report indicated that to the extent that injected water exceeds receiving water limitations, permitting would require demonstration of no impairment of the municipal beneficial use designation from the Basin Plan, or the implementation of treatment that would eliminate such impairment prior to injection.

Due to the water quality of stormwater, it is expected that pre-treatment would be necessary. The costs of pre-treatment are related to acquiring storage area and the cost of the treatment system. The storage required for the injection wells would be for storing and pumping located at regional and distributed facilities. These costs have not been developed for this study. However, a small section discussing the expected capital construction costs and O&M costs for wells to inject the water captured by regional projects and green streets is provided in Section 7 for potential future discussion purposes.

An option being explored by the Water Replenishment District of Southern California (WRD) for replenishing the drinking water aquifers with captured surface water is called an Aquifer Recharge and Recovery Facility (ARRF). This is a system where captured surface water is allowed to infiltrate to the shallow groundwater aquifer, then this shallow groundwater is pumped and then injected into the deeper drinking water aquifer. The infiltration process acts as a natural filter for surface water pollutants, thus potentially preventing the need for additional pre-treatment (other than removing trash and sediment to prevent clogging of the infiltration system). WRD has not completed the approval process for ARRF yet, but it may be a promising method for treating captured surface water prior to injecting it. Additionally, this ARRF allows for one to extract the shallow groundwater and inject it months after the rain occurs, when the deeper aquifers have greater storage capacity due to pumping that occurs in the dryer months.

4.2.7 Approach to Identifying Additional Distributed BMPs

Opportunities for additional distributed BMPs may exist at sites that do not fall under SUSMP, LID, or green streets policies. These sites will be further evaluated in order to evaluate if water quality improvements could be incorporated at a relatively low cost. Distributed BMPs also may be incorporated through future stakeholder processes, allowing the stakeholders to provide input on additional distributed BMP locations and types and help to stimulate volunteerism amongst private property owners to implement BMPs on their properties that may achieve a pollutant load reduction benefit. The adaptive management process will be used to evaluate how effective such distributed BMPs are and evaluate if modifications to planned regional or green streets projects are necessary.

4.3 Non-Storm Water Discharge Control Measures

The following section discusses the approach to non-storm water discharge control measures and the non-storm water outfall program.

4.3.1 Potential Approaches to Additional Non-Stormwater Discharge Control Measures

Non-stormwater discharge is from an activity that generally consists of washing down something, over irrigating, or an illicit/illegal connection or discharge. MCMs and other institutional BMPs are in place in an attempt to reduce non-stormwater discharges. One source of non-stormwater discharge that is not addressed through the MCMs and other institutional BMPs are exempt non-stormwater discharges as specified in Part III of the MS4 Permit.

In order to evaluate effective non-stormwater discharge control measures, in addition to those already required, the dry weather discharge monitoring element of the CIMP will be used as an evaluation tool. As specified in the CIMP, the DC WMG will report non-stormwater discharges that occur in their jurisdiction and actions taken to evaluate if they are persistent, exempt and, if non-exempt, actions taken and/or BMPs implemented to eliminate them. Exempt non-stormwater discharges often include non-emergency firefighting activities, discharges from drinking water supplies, dewatering of lakes, landscape irrigation, swimming-pool discharges, decorative fountain dewatering, car washes, and street/sidewalk washing per Part III.2 of the MS4 Permit.

Non-Storm Water Outfall Program

This section presents the method for the NSW outfall program component as prepared in the CIMP for the DC WMA Group. The NSW Outfall Monitoring Program is a major component of the monitoring and reporting program (MRP) and is intended to be a collaborative effort between all of the agencies in the DC WMA Group. The NSW outfall monitoring program component is intended to enhance the existing permit required programs that include LACFCD's efforts under the IC/ID Program to detect, investigate, and eliminate the IC/IDs to the MS4, pursuant to Part VI.D.4.d and the responsibilities of the County of Los Angeles and the Cities of El Segundo, Hawthorne, Inglewood, and Los Angeles under Part VI.D.10 of the Permit.

The NSW Monitoring Program is comprised of the following elements.

1. Identification of Outfalls with Significant NSW Discharge
2. Inventory of MS4 Outfalls with NSW Discharge
3. Prioritized Source Identification
4. Identification of Sources of Significant NSW Discharge
5. Monitoring of Significant NSW Discharges Exceeding Criteria

Objectives of the NSW Program

The intent of the NSW Program is to meet the requirements of the NSW Outfall Program (Section II.E.3, Page E-4) outlined in the MRP of the Permit by achieving the following objectives:

a. Evaluate whether a Permittee's discharge is in compliance with applicable non-storm water TMDL WLAs.
b. Evaluate whether a Permittee's discharge exceeds non-storm water action levels, as described in Attachment G of the Permit.
c. Assist the Permittee in identifying illicit discharges as described in Sections VI.D.4.d and VI.D.10 of the Permit.

Approach Overview

The approach to addressing NSW discharges is to implement a programmatic approach to identifying non-storm water discharges and estimating if the discharge is a persistent and significant non-permitted discharge that affects the quality of the downstream receiving water and as such, is a significant NSW discharge. Figure 4-15 illustrates the process by which these discharges are evaluated and incorporated

into the NSW Program. Table 4-12 provides the required program components of the NSW Program and the relative timing required.

In order to address significant NSW discharges in the watershed, a progressive approach consisting of visual inspections, investigations, and evaluations combined with the existing IC/ID enforcement framework that exists for industrial waste dischargers will be used. This process will be a multi-step procedure to categorize outfall sites for their potential for persistent and significant discharge that may affect the water quality of the downstream receiving water body during dry weather. The initial identification of outfalls with significant non-storm water discharges will utilize screening based on visual observations (at least three visual surveys) and recorded observational data. The location of these outfalls will be compared against the known permitted discharges in order to eliminate those outfalls from further screening. If necessary, the DCWMA Group may follow up with the permitted dischargers through the existing Industrial Waste permit framework to confirm that the discharge is meeting permit requirements. For other discharges, the agencies would utilize the existing IC/ID investigation framework to track down the source of the non-permitted discharge. The information from the investigation would be used to address illicit discharges. Once the source is determined, or determined to be unknown, and cannot be eliminated, the next step will consist of monitoring, and an assessment of impacts to downstream receiving waters based on the monitoring results. This stage would use a combination of flow monitoring and analytical chemistry to assess the pollutant loading contributed by the site. If the site is found to be contributing to an exceedance, the DC WMA Group or the jurisdiction will address the non-storm water discharge through the EWMP.

Table 4-12: NSW Outfall Program Summary Table		
NSW Program Component	**Description**	**Timing of Completion**
1. Outfall Screening	In order to implement the NSW Outfall Program, the DCWMA Group will implement a screening process to identify outfalls that exhibit significant NSW discharges and those that do not.	Prior to initiating source investigations
2. Develop Inventory of NSW Outfalls with discharge	An inventory will be developed of major MS4 outfalls with known significant NSW discharges and those requiring no further assessment.	
3. Develop Prioritization Criteria	Based on data collected during the Outfall Screening process, the DCWMA Group will identify MS4 outfalls with significant NSW discharges and those requiring no further action.	
4. Prioritized source investigation	The data collected as part of the Outfall Screening process will be used to prioritize outfalls for source investigations.	
5. Identify sources of significant NSW discharges	For outfalls exhibiting significant NSW discharges, source investigations per the established prioritization.	Source investigations will be conducted for 25% of the outfalls with significant NSW discharges by December 28, 2015 and 100% by December 28, 2017.
6. Monitor NSW discharges exceeding criteria	The DCWMA Group will monitor outfalls that have been determined to convey significant NSW discharges comprised of either unknown or non-essential conditionally exempt NSW discharges, or continuing discharges attributed to illicit discharges.	Monitoring will commence after completion of source investigations.

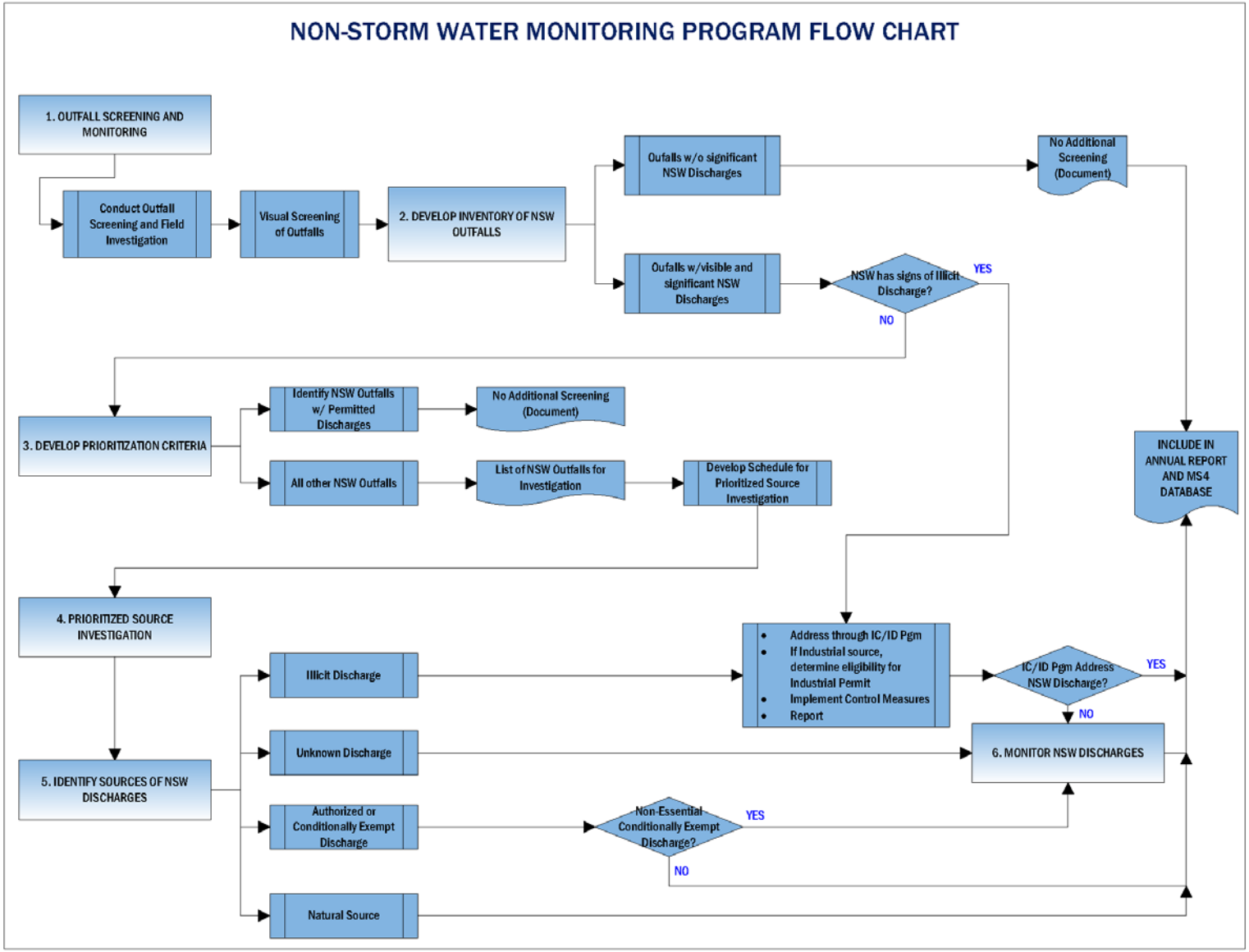


Figure 4-15: NSW Monitoring Program Process Chart

The LID ordinances, regional projects, and green streets projects, due to their water capture and infiltration capacities will also capture and infiltrate dry weather incidental (non-stormwater) discharges in addition to the wet weather discharges for which they are sized and configured. Analysis suggests that these projects will reduce non-stormwater discharges to meet the water quality planning objectives as they are implemented. The implementation schedules for the projects (Section 5) suggest that the milestones for reducing non-stormwater discharges will also be met.

4.4 Summary of BMP Performance Data

To summarize performance data of structural (regional and distributed), and institutional (non-structural) control measures for reducing stormwater and non-stormwater flows and priority pollutants, the following sources were reviewed and performance data was compiled:

- CASQA Development and Municipal BMP Handbooks
- California Department of Transportation (Caltrans) BMP Retrofit Pilot Program Report
- Center for Watershed Protection's National Pollutant Removal Performance Database Vers. 3
- Priority A and B Catch Basin Cleanout Data

Tables summarizing the BMP performance data can be found in Attachment T. The table associated with the CASQA Development and Municipal BMPs handbook provides a general summary of BMP performance within Southern California, while the tables associated with the other sources provides site specific performance data based on site specific testing.

PAGE INTENTIONALLY LEFT BLANK

5. EWMP Implementation Schedule

5.1 Control Measure Implementation Schedule

Control measures were modeled in the RAA so that compliance was demonstrated at each of the milestones. As previously discussed, milestone dates are defined by the applicable TMDLs. Lead is the limiting priority pollutant for most of the DC WMG. Nitrogen is the limiting pollutant for the areas draining to Machado Lake. Based on the limiting pollutants and water quality priorities, the milestone dates are related to both the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL and the Machado Lake Nutrients TMDL. This section outlines the control measure implementation schedule related to the non-structural BMPs, regional projects, and distributed BMPs (green streets).

5.1.1 Non-Structural BMPs

As discussed in Section 4 non-structural BMPs (MCMs) and the LID (new and re-development) programs that will be implemented and evaluated in the RAA include enhanced MCMs, other non-structural BMPs such as the SB 346 (copper brake pad elimination), and the new and re-development LID program. These control measures will be ongoing throughout the simulation period. The load reductions associated with implementing enhanced MCMs will be applied prior to the first milestone date, as these enhancements will be implemented once the EWMP is approved. The new and re-development program will be implemented throughout the simulation period at the rates described in Table 4-5.

5.1.2 Regional Projects

The regional projects modeled for the DC WMG RAA are planned to be implemented prior to 2026 milestone. Table 5-1 summarizes the anticipated project timeline including the design, bid, and construction phases. Operation and maintenance (O&M) of each of the projects will begin following construction.

Table 5-1: Regional Project Timeline

Regional Project	Design (years)	Bid (months)	Construction (years)	Total Time (years)	Completion Year
Darby Park	1	6	2	3.5	2026
El Segundo Pump Station	1	6	2	3.5	2026
Ramona Park	1	6	4	5.5	2026
Jim Thorpe Park	1	6	3	4.5	2026
Hawthorne Memorial Park	1	6	3	4.5	2026
Chester Washington Golf Course	2	6	5	7.5	2026
Harbor City Park	1	6	6	7.5	2034
Wilmington Recreation Center	1	6	3	4.5	2026
Averill Park	2	6	3	5.5	2026

5.1.3 Distributed BMPs (Green Streets)

The distribution of green streets implementation is based on the volume/load reductions that are not satisfied by other control measures at each of the compliance deadlines. Additionally, the green streets

were distributed over the years so that the cost can be distributed. Table 5-2 summarizes the green street implementation timeline.

Table 5-2: Green Street Implementation Timeline	
Implementation Year	**Lane Miles of Green Streets**
Initial Construction	
2017	-
2018	-
2019	-
2020	-
2021	-
2022	-
2023	-
2024	-
2025	-
2026	163
2027	53
2028	53
2029	53
2030	27
2031	27
2032	27
2033	1
2034	1
2035	1
2036	1
2037	1
2038	1
2039	1
2040	1

5.2 RAA of Control Measure Implementation Schedule

This section presents the results of the RAA based on the implementation schedule. To demonstrate compliance the baseline analysis was used to estimate the baseline water quality, which was then compared to the existing water quality based on the calibrated model. The required load reduction was estimated and appropriate control measures were scheduled for implementation so that the planning objectives would be satisfied at each of the applicable milestone dates. As discussed in Section 3, the limiting pollutant for the DC WMG is zinc except for the Wilmington Drain/Machado Lake Watershed where the limiting pollutants are total nitrogen (Wilmington Drain) and fecal coliform (Machado Lake). By demonstrating compliance with the limiting pollutant using volume reduction, it can be reasonably concluded that compliance will be achieved for all other pollutants. Table 5-3 through Table 5-7 summarize the load reductions within each of the five analyzed watersheds for zinc and total nitrogen for the Wilmington Drain Watershed, due to control measure implementation at the schedule discussed above. The table demonstrates that compliance will be met at each of the milestones as the load

reduction is greater than the target. The structural control measures to be implemented by 2032 are illustrated in Figure 5-1. The load reductions for all other pollutants are provided in Attachment U.

Table 5-3: Dominguez Channel Watershed - Load Reductions based on Control Measure Implementation

Control Measure Implementation		Load Reduction (kg and MPN)			
		2026 Metal (50%)	2029 Metal (75%)	2032 Metal (100%)	2040 Bacteria (100%)
Enhanced MCMs		30.70	30.70	30.70	9.71E+13
New and Re-Development		9.87	12.55	15.25	6.49E+14
Green Streets		64.26	149.48	231.16	2.73E+14
Regional Projects	Darby Park	3.06	3.06	3.06	3.96E+13
	El Segundo Pump Station	15.94	15.94	15.94	2.07E+14
	Ramona Park	7.33	7.33	7.33	9.49E+13
	Jim Thorpe Park	9.40	9.40	9.40	1.22E+14
	Hawthorne Memorial Park	4.74	4.74	4.74	6.14E+13
	Chester Washington Golf Course	30.50	30.50	30.50	3.96E+14
Target Load Reduction:		**175.80**	**263.70**	**351.60**	**1.94E+15**
Total Load Reduction:		**175.80**	**263.70**	**348.08**	**1.94E+15**
Percent of Final Target:		**50%**	**75%**	**99%**	**100%**

Table 5-4: Dominguez Channel Estuary Watershed – Load Reductions based on Control Measure Implementation

Control Measure Implementation	Load Reduction (kg and MPN)			
	2026 Metal (50%)	2029 Metal (75%)	2032 Metal (100%)	2040 Bacteria (100%)
Enhanced MCMs	10.93	10.93	10.93	3.59E+14
New and Re-Development	5.64	7.19	8.73	4.22E+14
Green Streets	65.6	105.13	143.04	4.59E+14
Target Load Reduction:	**82.17**	**123.25**	**164.34**	**1.24E+15**
Total Load Reduction:	**82.17**	**123.25**	**162.70**	**1.24E+15**
Percent of Final Target:	**50%**	**75%**	**99%**	**100%**

Table 5-5: Wilmington Drain Watershed - Load Reductions based on Control Measure Implementation			
Control Measure Implementation	**Load Reduction (kg)**		
	Machado Lake TMDLs		**303(d)**
	2018 Nutrients (100%)	**2019 Toxics (100%)**	**2040 Nitrogen (100%)**
Enhanced MCMs	-	-	77.61
New and Re-Development	-	-	59.32
Green Streets	-	-	
Harbor City Park	-	-	782.00
Target Load Reduction:	-	-	**918.93**
Total Load Reduction:	-	-	**918.93**
Percent of Final Target:	**100%**	**100%**	**100%**

Table 5-6: Machado Lake Watershed – Load Reductions based on Control Measure Implementation			
Control Measure Implementation	**Load Reduction (kg and MPN)**		
	Machado Lake TMDLs		**303(d)**
	2018 Nutrients (100%)[1]	**2019 Toxics (100%)[1]**	**2040 Bacteria (100%)**
Enhanced MCMs	-	-	1.63E+13
New and Re-Development	-	-	4.88E+13
Green Streets	-	-	1.85E+14
Target Load Reduction:	-	-	**2.70E+14**
Total Load Reduction:	-	-	**2.70E+14**
Percent of Final Target:	**100%** -	**100%** -	**100%**

Table 5-7: Harbor Watershed – Load Reductions based on Control Measure Implementation				
Control Measure Implementation	**Load Reduction (kg and MPN)**			
	2026 Metal (50%)	**2029 Metal (75%)**	**2032 Metal (100%)**	**2040 Bacteria (100%)**
Enhanced MCMs	9.9	9.9	9.9	5.70E+14
New and Re-Development	4.35	5.54	6.73	5.70E+14
Green Streets	82.98	142.12	184.37	1.48E+15
Wilmington Recreation Center	8.71	8.71	8.71	3.65E+14
Averill Park	14.71	14.71	14.71	6.18E+14
Target Load Reduction:	**120.65**	**180.98**	**241.31**	**3.60E+15**
Total Load Reduction:	**120.65**	**180.98**	**224.42**	**3.60E+15**
Percent of Final Target:	**50%**	**75%**	**93%**	**100%**

The pollutant loads associated with the selected storm events capture the 90th percentile load. The selected event also captures many of the smaller more intense storms with similar loads, but lower volumes. The volumes captured and treated will meet the 85th percentile, 24-hour volume and 90th percentile load criteria. Meeting both criteria provides a reasonable assurance that WQOs will be met. Many of the events that exceed the capture volumes proposed in this plan will have lower concentrations due to the wash-off of pollutants for runoff less than the capture volume and diluted concentrations for the constituents that remain after capturing the volumes related to the 90th percentile load criteria.

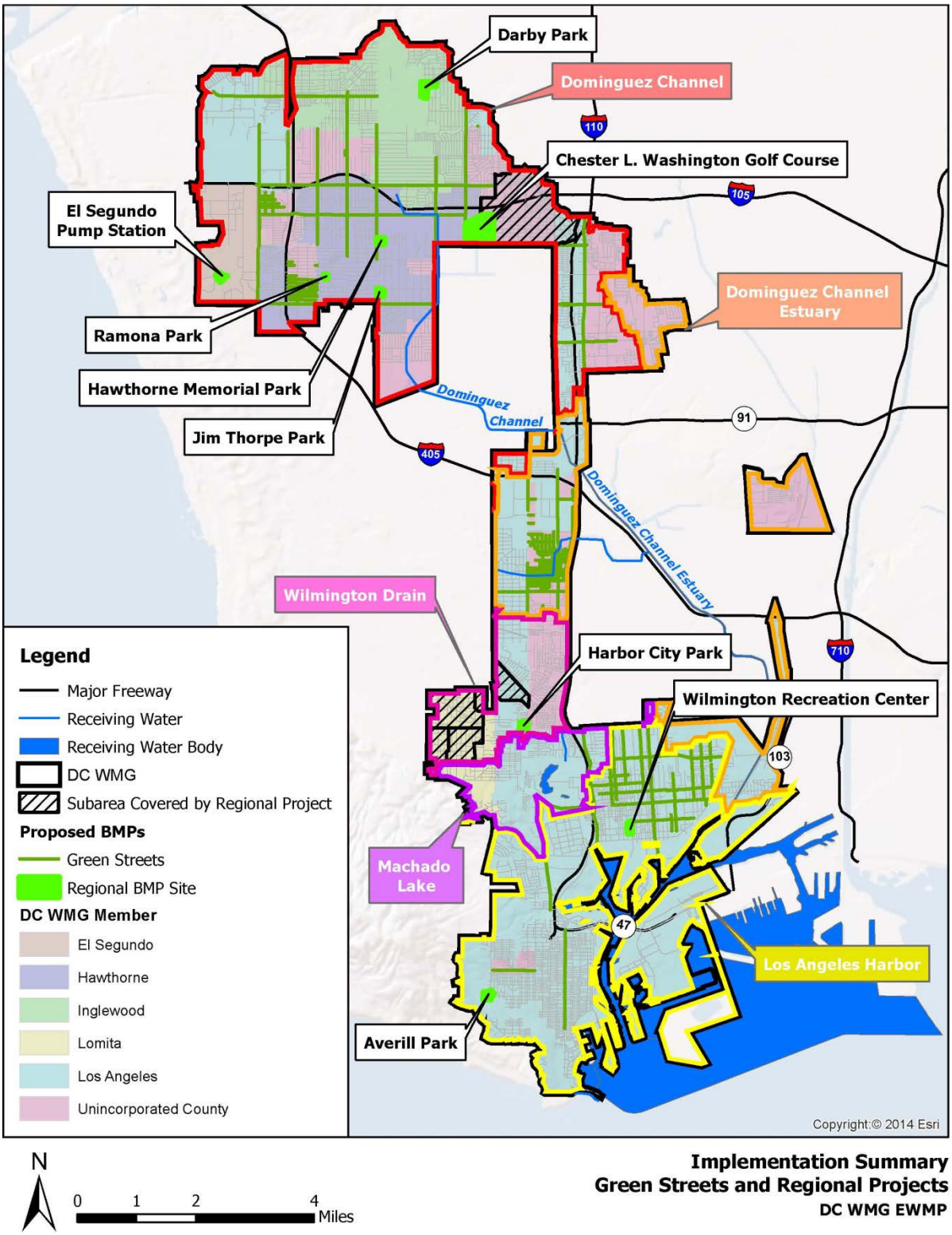


Figure 5-1: Implementation Summary

The average annual volume captured with the planned projects after full implementation was estimated using the model each year between 2002 and 2011. This analysis assumed that all captured volumes would be removed within 72 hours, either through natural infiltration, or by injecting the water into the drinking water aquifers. Table 5-8 through Table 5-12 summarize the average annual volume captured each year along with the average annual captured volume based on control measure implementation in each of the five analyzed watersheds.

Table 5-8: Dominguez Channel Watershed – Average Annual Volume Summary

Start	End	Year	Total Volume (acre-feet)	Total Captured Volume (acre-feet)	Captured by Regional Project, MCM, and LID (ac-ft)	Captured by Green Streets (ac-ft)	Total Zinc (kg)	Captured Zinc (kg)	Percent Annual Load Reduction (%)
10/1/2002	9/30/2003	2002	10,785.64	8,350.34	5,937.05	2,413.29	2,697.80	2,453.11	90.93%
10/1/2003	9/30/2004	2003	8,224.93	7,213.35	5,561.55	1,651.81	2,215.55	2,142.54	96.70%
10/1/2004	9/30/2005	2004	23,889.84	13,876.92	8,067.09	5,809.83	3,168.54	2,574.98	81.27%
10/1/2005	9/30/2006	2005	8,721.22	7,802.40	5,490.19	2,312.20	2,871.92	2,752.32	95.84%
10/1/2006	9/30/2007	2006	3,586.61	3,586.61	3,586.61	0.00	1,359.38	1,359.38	100.00%
10/1/2007	9/30/2008	2007	10,589.63	9,250.42	5,937.88	3,312.55	2,106.17	2,084.71	98.98%
10/1/2008	9/30/2009	2008	8,139.89	6,937.16	5,186.37	1,750.79	2,099.04	1,946.28	92.72%
10/1/2009	9/30/2010	2009	10,885.81	8,234.32	5,395.54	2,838.78	2,690.55	2,458.33	91.37%
10/1/2010	9/30/2011	2010	15,477.34	9,696.36	6,834.40	2,861.96	2,778.03	2,570.55	92.53%
10/1/2011	9/30/2012	2011	7,236.76	7,236.76	5,693.85	1,542.91	2,914.19	2,914.19	100.00%
Average:			**10,753.77**	**8,218.46**	**5,769.05**	**2,449.41**	**2,490.12**	**2,325.64**	**94.03%**

Table 5-9: Dominguez Channel Estuary – Average Annual Volume Summary

Start	End	Year	Total Volume (acre-feet)	Total Captured Volume (acre-feet)	Captured by Regional Project, MCM, and LID (ac-ft)	Captured by Green Streets (ac-ft)	Total Zinc (kg)	Captured Zinc (kg)	Percent Annual Load Reduction (%)
10/1/2002	9/30/2003	2002	4,861.77	3,233.42	1,716.72	1,516.70	1,021.84	767.48	75.11%
10/1/2003	9/30/2004	2003	3,135.93	2,722.97	1,697.06	1,025.91	750.84	723.62	96.38%
10/1/2004	9/30/2005	2004	9,952.87	5,244.36	2,485.31	2,759.05	1,092.27	841.95	77.08%
10/1/2005	9/30/2006	2005	3,222.85	2,740.55	1,588.94	1,151.60	920.85	855.24	92.87%
10/1/2006	9/30/2007	2006	1,421.54	1,421.54	1,323.69	97.85	524.27	524.27	100.00%
10/1/2007	9/30/2008	2007	4,522.77	3,381.82	1,685.55	1,696.27	831.22	715.36	86.06%
10/1/2008	9/30/2009	2008	3,818.80	2,593.74	1,614.86	978.88	722.60	510.85	70.70%
10/1/2009	9/30/2010	2009	5,292.34	3,104.88	1,691.86	1,413.02	1,043.02	743.81	71.31%
10/1/2010	9/30/2011	2010	6,780.96	3,912.73	2,053.62	1,859.11	1,144.16	1,041.15	91.00%
10/1/2011	9/30/2012	2011	2,898.58	2,780.62	1,584.73	1,195.89	1,059.08	1,040.20	98.22%
Average:			**4,590.84**	**3,113.66**	**1,744.23**	**1,369.43**	**911.01**	**776.39**	**85.87%**

Table 5-10: Wilmington Drain Watershed – Average Annual Volume Summary

Start	End	Year	Total Volume (acre-feet)	Total Captured Volume (acre-feet)	Captured by Regional Project, MCM, and LID (ac-ft)	Captured by Green Streets (ac-ft)	Total Nitrogen (kg)	Captured Nitrogen (kg)	Percent Annual Load Reduction (%)
10/1/2002	9/30/2003	2002	2,009.77	1,372.45	1,372.45	0.00	9,025.56	7,578.81	83.97%
10/1/2003	9/30/2004	2003	1,215.21	1,012.40	1,012.40	0.00	5,979.13	5,722.55	95.71%
10/1/2004	9/30/2005	2004	3,754.98	1,941.04	1,941.04	0.00	14,654.85	10,988.13	74.98%
10/1/2005	9/30/2006	2005	1,336.46	1,125.25	1,125.25	0.00	7,788.94	6,590.85	84.62%
10/1/2006	9/30/2007	2006	712.80	712.80	712.80	0.00	7,999.65	7,999.65	100.00%
10/1/2007	9/30/2008	2007	1,815.29	1,237.72	1,237.72	0.00	6,302.86	6,021.18	95.53%
10/1/2008	9/30/2009	2008	1,432.70	1,031.82	1,031.82	0.00	6,309.17	5,582.97	88.49%
10/1/2009	9/30/2010	2009	2,367.94	1,290.98	1,290.98	0.00	9,192.61	7,587.30	82.54%
10/1/2010	9/30/2011	2010	2,547.68	1,426.64	1,426.64	0.00	8,907.66	7,613.56	85.47%
10/1/2011	9/30/2012	2011	1,156.48	1,127.06	1,127.06	0.00	8,715.54	8,565.58	98.28%
Average:			**1,834.93**	**1,227.82**	**1,227.82**	**0.00**	**8,487.60**	**7,425.06**	**88.96%**

Table 5-11: Machado Lake Watershed – Average Annual Volume Summary

Start	End	Year	Total Volume (acre-feet)	Total Captured Volume (acre-feet)	Captured by Regional Project, MCM, and LID (ac-ft)	Captured by Green Streets (ac-ft)	Total Fecal Coliform Load (MPN)	Captured Fecal Coliform Load (MPN)	Percent Annual Load Reduction (%)
10/1/2002	9/30/2003	2002	1,565.22	777.01	557.42	219.59	1.38E+16	1.38E+16	98.00%
10/1/2003	9/30/2004	2003	918.20	683.98	533.82	150.16	6.16E+15	6.16E+15	99.00%
10/1/2004	9/30/2005	2004	2,637.23	1,201.09	753.52	447.58	2.55E+16	2.55E+16	98.00%
10/1/2005	9/30/2006	2005	991.32	702.03	540.26	161.78	7.05E+15	7.05E+15	98.00%
10/1/2006	9/30/2007	2006	556.30	543.62	477.71	65.92	1.71E+15	1.71E+15	99.00%
10/1/2007	9/30/2008	2007	1,327.33	722.00	537.61	184.39	1.12E+16	1.12E+16	98.00%
10/1/2008	9/30/2009	2008	1,007.99	624.54	499.04	125.50	7.33E+15	7.33E+15	98.00%
10/1/2009	9/30/2010	2009	1,814.18	778.13	560.78	217.35	1.64E+16	1.64E+16	98.00%
10/1/2010	9/30/2011	2010	2,014.21	930.46	636.76	293.70	1.91E+16	1.91E+16	98.00%
10/1/2011	9/30/2012	2011	801.67	624.25	497.45	126.80	4.84E+15	4.84E+15	99.00%
Average:			**1,363.37**	**758.71**	**559.44**	**199.28**	**1.13E+16**	**1.13E+16**	**98.30%**

Table 5-12: Harbor Watershed – Average Annual Volume Summary

Start	End	Year	Total Volume (acre-feet)	Total Captured Volume (acre-feet)	Captured by Regional Project, MCM, and LID (ac-ft)	Captured by Green Streets (ac-ft)	Total Zinc (kg)	Captured Zinc (kg)	Percent Annual Load Reduction (%)
10/1/2002	9/30/2003	2002	12,003.98	5,773.10	3,512.56	6,230.88	2,081.62	1,071.05	51.45%
10/1/2003	9/30/2004	2003	6,825.41	5,294.96	3,445.03	1,530.45	1,406.83	1,302.10	92.56%
10/1/2004	9/30/2005	2004	20,160.47	10,133.85	5,069.42	10,026.63	2,401.93	1,951.85	81.26%
10/1/2005	9/30/2006	2005	6,749.71	4,860.06	3,408.46	1,889.65	1,989.55	1,482.97	74.54%
10/1/2006	9/30/2007	2006	3,719.28	3,637.50	2,880.85	81.78	1,796.73	1,759.13	97.91%
10/1/2007	9/30/2008	2007	10,945.49	6,412.86	3,524.69	4,532.62	1,434.51	1,079.21	75.23%
10/1/2008	9/30/2009	2008	6,174.41	4,811.82	3,211.34	1,362.59	1,376.68	1,044.39	75.86%
10/1/2009	9/30/2010	2009	13,643.10	5,723.71	3,564.23	7,919.39	2,288.11	1,271.83	55.58%
10/1/2010	9/30/2011	2010	14,501.56	7,503.51	4,120.40	6,998.04	2,435.63	1,621.24	66.56%
10/1/2011	9/30/2012	2011	5,062.31	4,525.36	3,213.97	536.95	1,726.03	1,478.35	85.65%
Average:			**9,978.57**	**5,867.67**	**3,595.10**	**4,110.90**	**1,893.76**	**1,406.21**	**75.66%**

It is important to note that not all of the planned BMPs will drain within 72 hours. This will be site and project dependent. However, this analysis suggests that there is a water supply potential associated with this EWMP of approximately 19,186 acre-feet/year (afy) on average. As shown in Table 4-11, the current total APA for the DC WMG agencies is 10,140 afy. The projects in this EWMP have the potential of increasing local groundwater supplies by 166%.

6. Assessment and Adaptive Management Framework

The EWMP is part of an adaptive management process as described in Part VI.C.8 (pages 66-67) of the MS4 Permit. Part VI.C.8 (page 66-67) states that every two years the EWMP will adapt to become more effective, based on, but not limited to, the following:

- Progress towards achieving interim and/or final WQBELs/RWLs according to TMDL schedules;
- Progress towards achieving improved water quality in MS4 discharges and achieving receiving water limitations through implementation of watershed control measures based on an evaluation of outfall-based and receiving water monitoring data;
- Achievement of interim milestones;
- Re-evaluation of the water quality priorities identified for the DC WMG based on more recent water quality data for discharges from the MS4 and receiving waters(s) and a reassessment of sources of pollutants;
- Availability of new information and data from sources other than the Permittees monitoring programs within the DC WMG that informs the effectiveness of the actions implemented;
- Regional Board recommendations; and
- Recommendations for modifications to the EWMP through a public participation process.

The adaptive nature of the EWMP allows the process to be iterative, allowing the DC WMG and other groups to identify a plan that is successful in improving water quality in their region. Figure 6-1 displays a flow chart of how this framework may be used.

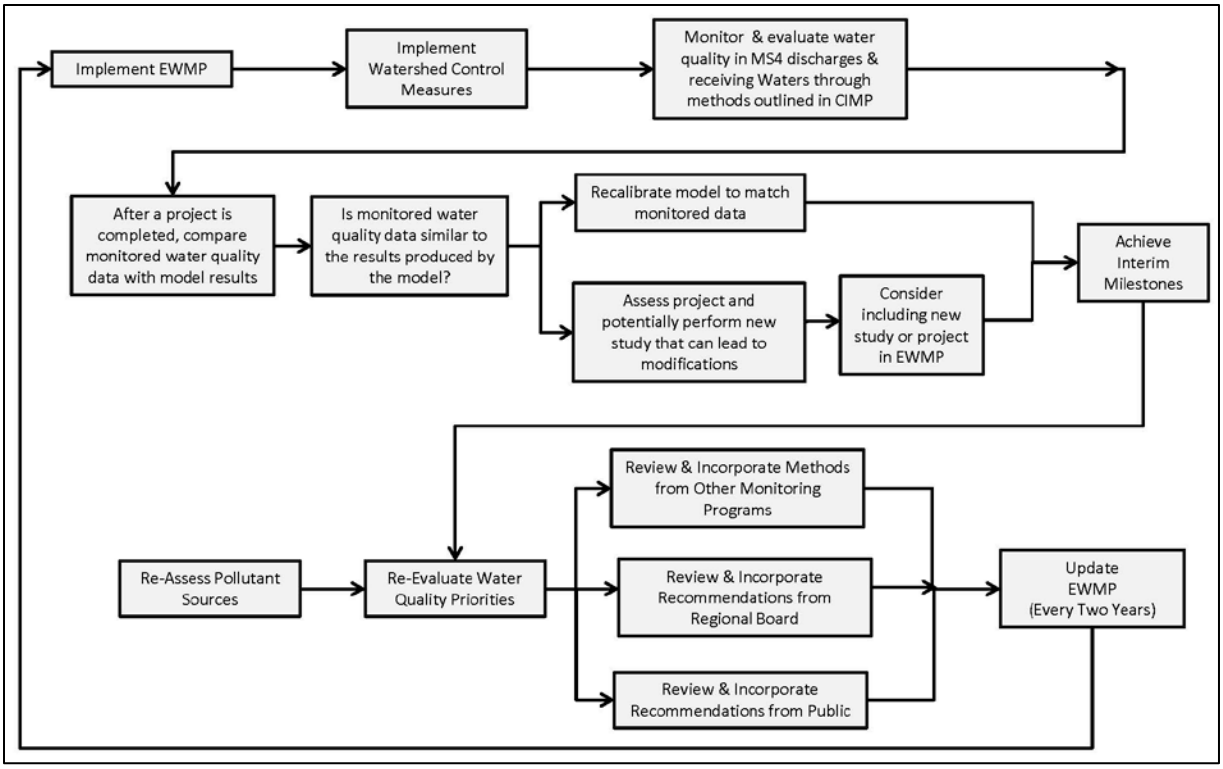


Figure 6-1: Assessment and Adaptive Management Flow Chart

As shown in this flow chart, a primary tool proposed for evaluating if implementing the EWMP is meeting the planning objectives is the model. Monitoring data will be used to check and, if necessary, adjust the model calibration, which will then be used to simulate the effects of existing and future projects on flows and concentrations. This will evaluate if the projects, as modeled, are meeting the planning objectives.

This calibration checkwill then be used to either 1) update the model calibration and run simulations to see if the EWMP projects need modifications, or 2) stay the course.

7. EWMP Implementation Costs and Financial Strategy

The purpose of this section is to present the financial strategy for addressing the additional costs of implementing the EWMP as described in the 2012 MS4 permit. The definition of a financial strategy varies across industries. In the context of the EWMP, the financial strategy is interpreted to represent the strategic options available to the Permittees to finance the program costs associated with implementing the EWMP.

Currently, most of the projects described in this EWMP are not explicitly funded from a dedicated revenue source. Obtaining funds for all of the activities identified in the EWMP is anticipated to take many years. This section describes the probable costs of the projects, the amount of funding currently available to meet the needs described in the EWMP, and potential funding sources that may be available to fund elements of the program. The section is intended to serve as high level financial strategy by addressing the following items:

- Documentation of probable EWMP program costs;
- Assessment of impact of program costs on Permittees;
- Review of existing policies, revenues and costs affecting stormwater; and
- Identification of financial strategies for financing program costs including identification of future steps needed to implement the financial strategy.

7.1 Program Costs

7.1.1 Probable EWMP Program Costs

The purpose of this section is to present the probable order-of-magnitude cost opinions to implement the EWMP. The cost opinion for program costs were developed using feasibility study level engineering cost estimation procedures. The EWMP identified projects to be completed along a timeline. These projects are broken into four categories: (1) Minimum Control Measures (MCMs), excluding implementation of LID ordinances for new and re-development, (2) LID ordinance implementation for new and re-development, (3) regional projects, and (4) distributed projects, which are primarily green streets.

Non-Structural BMPs

As discussed in Section 4, numerous non-structural BMPs will be implemented:

- MCMs as specified in the MS4 permit.
- Adoption of SB 346, which reduces sources of copper.
- Implementation of LID ordinances in the Permittees new and re-development programs.

For these non-structural BMPs, the incremental costs beyond those currently being spent by the Permittees are expected to be negligible. The enhanced MCMs have been implemented in the current budgets. Administration of the LID ordinances has been implemented in the current budgets. Adoption and phasing in of SB 346 requires no administrative costs on the part of the DC WMG agencies.

Regional Projects

Based on the concept drawings shown in Figure 4-5 through Figure 4-13 and estimated sizing requirements for the regional projects, preliminary probable capital and operations and maintenance cost opinions were developed for each of the regional projects. The probable cost opinions were developed using standard engineering cost estimation procedures, which rely on published unit costs for work and materials where available and the cost estimator's best judgment based on prior experience with engineering and construction for relative costs (e.g. design = 10% of construction). Table 7-1

summarizes some of the typical line items included in the cost opinions and their associated assumptions. The items included are broken into three categories: engineering, construction support, and construction.

Table 7-1: Regional Project Probable Cost Opinion Assumptions	
Description	**Assumption(s)**
Engineering	
Design Plan and Specifications	10 percent of construction cost
Permits	Does not include CEQA
Environmental Assessment (CEQA)	Initial study/mitigated negative declaration equivalent to 25 percent of engineering design cost
Construction Support	
Construction Administration and Inspections	10 percent of construction cost
Construction	
Mobilization	10 percent of construction cost
Excavation	Extended arm not needed, bench available for equipment entry, shoring not needed, includes clearing, grubbing, and debris disposal
Fill	Fill from excavated material, no import necessary
Soil Export	30 mile or less haul route
Landscaping and Irrigation	Includes tree replacement
Diversion Pipe	Includes traffic control, road excavation, pipe installation, road restoration, and sidewalk restoration
Storage (Pipes or Concrete)	Includes pretreatment cost. Unit cost is based on past experience with similar sized projects and goals.

Table 7-2 summarizes the engineering, construction support, construction, and total costs associated with each of the regional projects included in the RAA. Attachment V includes a more detailed breakdown of associated costs.

Table 7-2: Regional Project Cost Summary				
Regional Project	**Engineering**	**Construction Support**	**Construction**	**Total**
Darby Park	$520,000	$396,000	$4,947,000	$5,863,000
El Segundo Pump Station	$162,000	$109,000	$1,086,000	$1,357,000
Ramona Park	$1,788,000	$1,410,000	$17,623,000	$20,821,000
Jim Thorpe Park	$1,559,000	$1,116,000	$15,337,000	$18,012,000
Hawthorne Memorial Park	$827,000	$583,000	$8,013,000	$9,423,000
Chester Washington Golf Course	$5,074,000	$4,039,000	$50,488,000	$59,601,000
Harbor City Park	$7,225,000	$5,760,000	$71,994,000	$84,979,000
Wilmington Recreation Center	$1,252,000	$892,000	$12,255,000	$14,399,000
Averill Park	$2,183,000	$1,726,000	$21,568,000	$25,477,000
Total Cost[1]:				**$239,932,000**

The annual operations and maintenance costs were also estimated for the regional projects. Based on the California Stormwater Quality Association (CASQA) BMP Handbooks and experience, one to two

percent of the construction cost is recommended as the annual maintenance cost. An annual maintenance cost of 1.5 percent was used for all of the regional projects with a not to exceed cost of $500,000. Table 7-3 summarizes the annual maintenance costs. All maintenance will start once the project is constructed.

Table 7-3: Regional Project Annual Maintenance Costs

Regional Project	Annual Maintenance Cost
Darby Park	$74,205
El Segundo Pump Station	$16,290
Ramona Park	$264,345
Jim Thorpe Park	$230,055
Hawthorne Memorial Park	$120,195
Chester Washington Golf Course	$500,000
Harbor City Park	$500,000
Wilmington Recreation Center	$183,825
Averill Park	$323,520

Distributed BMPs (Green Streets)

A probable cost opinion, similar to those developed for the regional projects, was developed for a 1,000 linear foot section of green street within one lane (0.19 lane miles) and is provided in Attachment V. This unit cost opinion is $478 per lineal foot per lane mile of green streets. Based on the implementation schedule summarized in Section 5, the cost per year of green street implementation is shown in Table 7-4. The green streets will also require some maintenance throughout the year to make sure they function as intended. The annual maintenance cost associated with green streets was estimated to be one percent of the construction cost, which is consistent with general CASQA BMP guidance. The maintenance cost will start once the streets have been constructed and are shown to begin the following year. Annual maintenance costs increase as more green streets are added.

Table 7-4: Green Street Implementation Cost			
Implementation Year	**Number of Lane Miles**	**Implementation Cost**	**Annual Maintenance**
2017	-	-	-
2018	-	-	-
2019	-	-	-
2020	-	-	-
2021	-	-	-
2022	-	-	-
2023	-	-	-
2024	-	-	-
2025	-	-	-
2026	163	$411,127,728	
2027	53	$132,838,816	$4,111,277
2028	53	$132,838,816	$5,439,665
2029	53	$132,838,816	$6,768,054
2030	27	$69,021,605	$8,096,442
2031	27	$69,021,605	$8,786,658
2032	27	$69,021,605	$9,476,874
2033	1	$2,871,396	$10,167,090
2034	1	$2,871,396	$10,195,804
2035	1	$2,871,396	$10,224,518
2036	1	$2,871,396	$10,253,232
2037	1	$2,871,396	$10,281,946
2038	1	$2,871,396	$10,310,660
2039	1	$2,871,396	$10,339,374
2040	1	$2,871,396	$10,368,088
2041	-	-	$10,396,802

Drinking Water Aquifer Recharge by Injection Wells

The project cost opinions provided above do not include costs for injecting water into the drinking water aquifers. Because much of the volume reduction proposed is through green streets, and a survey to identify collection points within green streets systems where injection wells can be effectively used has not been completed yet, the number of injection wells and total amount of water that can be feasibly injected is highly uncertain. For this reason, the incremental probable cost opinion for implementing one injection well and the amount of water that injection well can potentially move into the drinking water aquifer is provided in this section.

The probable cost opinion for an injection well is based on the Alamitos and West Coast Seawater Barriers operated by LACDPW along with engineering experience. LACDPW staff suggested that an average injection well can consistently inject at a rate of 0.35 cubic feet per second (cfs). If a well would be sited such that, it would be able to operate constantly for 3 days following a storm (there was that much volume accumulated), this would provide approximately 2 acre-feet of water per well per operational period. Table 7-5 shows the probable cost opinions for such a well based on information provided by LACDPW. Based on the operating history of the LACDPW injection barriers, each well generally needs to be redeveloped every two years and replaced every 25 years due to well degradation that occurs from scaling and other processes. Injected water would need to be filtered to maintain well

life to within these parameters. A more detailed probable cost opinion that includes probable opinions of design costs, construction support, and construction costs is provided in Attachment V. Future costs are not discounted to present value and not escalated for inflation.

Table 7-5: Injection Well Cost Summary per Well

Cost Item Description	Total Cost
Engineering, Construction Support, and Construction	$1,000,000
Annual Maintenance of Injection Well	$100,000
Well Redevelopment (every 2 years)	$2,000
Well Head Replacement (every 25 years)	$1,000,000

Opinion of Probable Cost Summary

The probable cost opinions associated with regional and distributed project implementation were placed along the implementation timeline to show a potential future cash flow scenario. All cost opinions are shown in 2014 dollars. Future costs are neither discounted nor escalated. Figure 7-1 shows the probable capital and O&M cost opinions per year based on the implementation schedule. The spike seen in the figure corresponding with 2026 is due to green street implementation. The cost prior to 2026 is associated with the design and construction of regional projects. In 2026, all of the regional projects except for Harbor City Park will be completed and green street implementation will start. Harbor City Park will be completed 2034. The design and construction costs were spread out depending on the amount of time anticipated for the design and construction.

Future replacement costs based on expected useful lives of the systems are not shown in Figure 7-1. Injection well costs are not shown Figure 7-1.

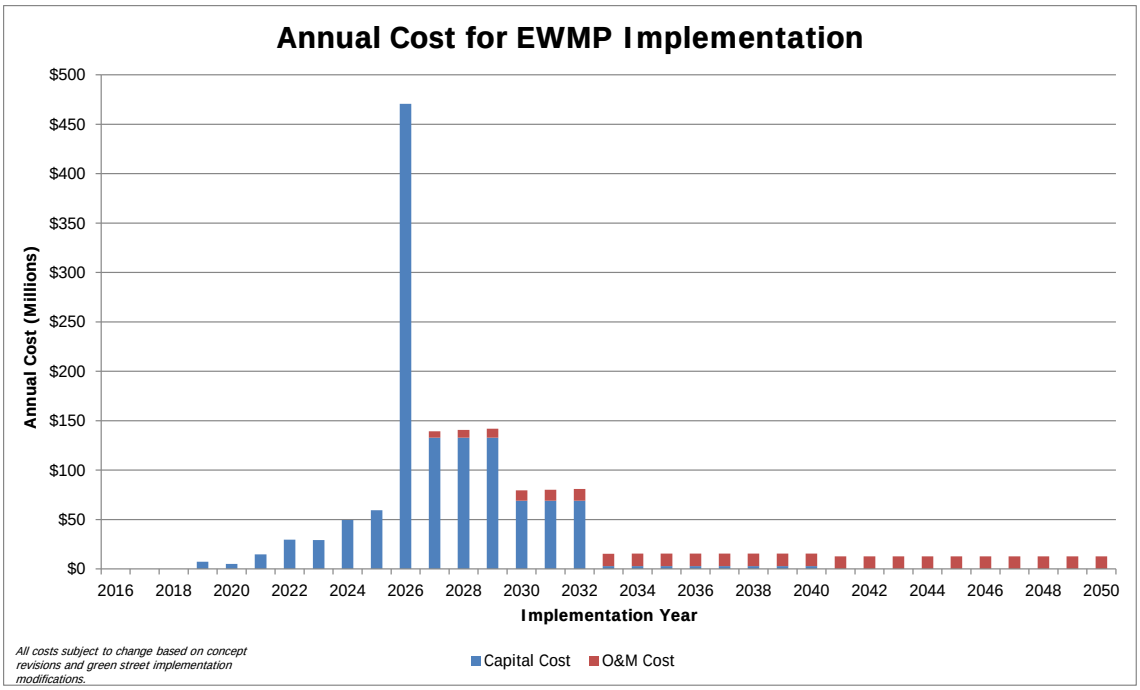


Figure 7-1: Annual Cost for EWMP Implementation

EWMP Costs by Type

The total probable cost opinions by type are shown in Table 7-6.

Table 7-6: Total Estimated EWMP Costs by Type		
Type	**Capital Cost**	**Annual O&M at Build-out**
MCMs	$0	Current budgets
LID + Redevelopment	$0	Current budgets
Regional BMPs	$254,000,000	$2,400,000
Green Streets	$1,040,000,000	$10,000,000
Total	$1,294,000,000	$12,400,000

EWMP Costs by Jurisdiction

The capital and O&M cost for the proposed control measure implementation based on jurisdiction is summarized in Table 7-7. An annual O&M cost is presented for each jurisdiction and is based on 1.5% of the capital costs of control measures within that jurisdiction. This percentage is similar to the percentage used for the O&M costs of Regional Projects, which is based on the California Stormwater Quality Association (CASQA) BMP Handbooks. Table 7-8 through Table 7-12 identifies the cost per jurisdiction within each of the five analyzed watersheds. The cost for regional projects was shared based on the percent of the catchment in the participating jurisdiction.

Table 7-7: EWMP Implementation Cost by Jurisdiction

Jurisdiction	Regional Projects		Green Streets			Total Capital Cost	Annual O&M Cost at Build-Out
	Volume (ac-ft)	Capital Cost	Lane Miles	Volume (ac-ft)	Capital Cost		
El Segundo	27.0	$1,357,000	5	6.3	$13,118,511	$14,475,511	$217,133
Hawthorne	28.5	$34,412,250	61	74.5	$155,115,607	$189,527,857	$2,842,918
Inglewood	5.2	$5,863,000	33	39.7	$82,692,321	$88,555,321	$1,328,330
Lomita	54.7	$57,593,055	0	0.0	$0	$57,593,055	$863,896
Los Angeles	60.7	$67,744,164	184	223.4	$464,866,999	$532,611,163	$7,989,167
Unincorporated County	60.7	$72,962,531	128	155.7	$323,886,719	$396,849,250	$5,952,739
Total:	**236.8**	**$239,932,000**	**411**	**499.6**	**$1,039,680,157**	**$1,279,612,157**	**$19,194,182**

Table 7-8: Dominguez Channel Watershed – EWMP Implementation Cost by Jurisdiction

Jurisdiction	Regional Projects		Green Streets			Total Capital Cost	Annual O&M Cost at Build-Out
	Volume (ac-ft)	Capital Cost	Lane Miles	Volume (ac-ft)	Capital Cost		
El Segundo	27.0	$1,357,000	5	6.3	$13,118,511	$14,475,511	$217,133
Hawthorne	28.5	$34,412,250	61	74.5	$155,115,607	$189,527,857	$2,842,918
Inglewood	5.2	$5,863,000	33	39.7	$82,692,321	$88,555,321	$1,328,330
Los Angeles	60.2	$72,412,059	43	52.0	$108,257,447	$109,290,137	$1,639,352
Unincorporated County	27.0	$1,357,000	64	77.8	$161,811,649	$234,223,708	$3,513,356
Total:	**121.8**	**$115,077,000**	**206**	**250.3**	**$520,995,535**	**$636,072,534**	**$9,541,088**

Table 7-9: Dominguez Channel Estuary Watershed – EWMP Implementation Cost by Jurisdiction							
Jurisdiction	Regional Projects		Green Streets			Total Cost	Annual O&M Cost at Build-Out
	Volume (ac-ft)	Capital Cost	Lane Miles	Volume (ac-ft)	Capital Cost		
Los Angeles	0.0	$0	20	24.4	$50,809,976	$50,809,976	$762,150
Unincorporated County	0.0	$0	61	74.5	$154,944,527	$154,944,527	$2,324,168
Total:	**0.0**	**$0**	**81**	**98.9**	**$205,754,503**	**$205,754,503**	**$3,086,318**

Table 7-10: Wilmington Drain Watershed – EWMP Implementation Cost by Jurisdiction							
Jurisdiction	Regional Projects		Green Streets			Total Cost	Annual O&M Cost at Build-Out
	Volume (ac-ft)	Capital Cost	Lane Miles	Volume (ac-ft)	Capital Cost		
Lomita	54.7	$57,593,055	0	0.0	$0	$57,593,055	$863,896
Los Angeles	25.5	$26,835,474	0	0.0	$0	$26,835,474	$402,532
Unincorporated County	0.5	$550,471	0	0.0	$0	$550,471	$8,257
Total:	**80.7**	**$84,979,000**	**0**	**0.0**	**$0**	**$84,979,000**	**$1,274,685**

Table 7-11: Machado Lake Watershed – EWMP Implementation Cost by Jurisdiction							
Jurisdiction	Regional Projects		Green Streets			Total Cost	Annual O&M Cost at Build-Out
	Volume (ac-ft)	Capital Cost	Lane Miles	Volume (ac-ft)	Capital Cost		
Lomita	0.0	$0	0	0.0	$0	$0	$0
Los Angeles	0.0	$0	9	11.0	$22,971,167	$22,971,167	$344,568
Total:	**0.0**	**$0**	**9**	**11.0**	**$22,971,167**	**$22,971,167**	**$344,568**

Table 7-12: Harbor Watershed – EWMP Implementation Cost by Jurisdiction							
Jurisdiction	**Regional Projects**		**Green Streets**			**Total Cost**	**Annual O&M Cost at Build-Out**
	Volume (ac-ft)	**Capital Cost**	**Lane Miles**	**Volume (ac-ft)**	**Capital Cost**		
Los Angeles	34.3	$39,876,000	112	135.9	$282,828,410	$322,704,410	$4,840,566
Unincorporated County	0.0	$0	3	3.4	$7,130,543	$7,130,543	$106,958
Total:	**34.3**	**$39,876,000**	**115**	**139.3**	**$289,958,953**	**$329,834,953**	**$4,947,524**

7.1.2 Existing Stormwater Programs

The DC WMG agencies have been addressing stormwater discharge requirements since adoption of the first phase I NPDES MS4 permit in the early 1990s. They have increased their budgets since that time to meet additional compliance needs. The DC WMG agencies have existing recurring costs associated with stormwater activities in excess of $50M annually (across all watersheds in which they reside). Table 7-13 is a summary listing of current expenditures and associated revenue sources. Given that the DC WMG agencies have, for the most part, implemented enhanced MCMs and have adopted LID ordinances and are administering their new and re-development programs, it is expected that these recurring costs will continue, for the most part, as is. CIMP monitoring costs are not included in Table 7-13 and are not in the EWMP implementation costs. The purpose of this financial strategy is focused on developing a set of options to address the expected additional costs associated with compliance with the new MS4 permit, and is not intended to incorporate the costs of the existing stormwater activities.

Table 7-13: Existing Stormwater Costs

Jurisdiction	Existing Utility? (Yes/No)	Funding Source	Description of Costs	Total Costs ($)
City of Los Angeles	Yes	Stormwater Fee Plan Check and Grants	O&M and Capital, Planning, Program Management, Monitoring, Emergency Repairs	~$3M/yr (Dominguez Channel Area; not including Prop O)
Los Angeles County	No	General Fund, Gasoline Tax, Solid Waste Fund, Prop C, and Prop A	Management, O&M, Outreach, Inspection, Enforcement, Monitoring	~80M/yr (County wide)
Los Angeles County Flood Control District	Yes[1]	Flood Control Benefit Assessment	Program Management, O&M, Public Outreach, Monitoring	~36M/yr (County wide)
City of Hawthorne	Yes	General Fund	Program Management, Outreach, Administration	~$335,000/yr
City of Inglewood	Yes	Sewer Fund	O&M and Capital, Runoff Investigation	Not Available
City of El Segundo	Not Available	Not Available	Not Available	Not Available
City of Lomita	No	General Fund	Permit Fee, Match Funding for County Projects	~$73,000/yr

1 The Los Angeles County Flood Control District is, by definition, a utility with a responsibility for draining storm water.

7.2 Financial Strategies

As described in this EWMP, the projects being envisioned represent new infrastructure or revisions to existing infrastructure that will be expected to operate in perpetuity. For example, the County of Los Angeles is preparing a Green Street Strategic Plan. Also, members of the DC WMG are already beginning planning for projects identified in this EWMP. This new infrastructure or increased costs associated with revising existing infrastructure were never envisioned when the DC WMG agencies were developing their revenue and budgeting models. Therefore, the DC WMG agencies do not currently have revenue sources allocated specifically to this new infrastructure. New revenue sources need to be identified, or revenue sources currently allocated to other programs need to be used to fund the implementation of this EWMP.

Flexibility in identifying potential funding opportunities will be important for successful financing of EWMP implementation.

The financial strategy presented in this EWMP outlines a set of multiple approaches that allows each DC WMG agency to select those strategies that best fit their specific circumstances.

The detailed financial strategy for EWMP costs will be highly dependent and vary by agency. Each permittee has different resources as presented in Table 7-13; therefore each permittee will use a different set of options at its disposal. The following are high-level alternatives that can be examined as each permittee moved forward as a group or as individuals. The alternatives are categorized by type. Acknowledgement is given to *Stormwater Funding Options – Providing Sustainable Water Quality Funding in Los Angeles County,* a report authored by Ken Farfsing and Richard Watson dated May 21, 2014.

Grants and Low Interest Loans

The financial strategies available to the Permittees associated with grants and low interest loans are summarized below and described in further detail in Attachment W:

- Apply for grants through the recently passed Prop 1 – 2014 Water Bond. Over $400M is available for stormwater capture, IRWMP and urban creek restoration projects.
- Apply for other grants (state and federal) for stormwater improvement, beach water quality improvement, and green infrastructure projects. (e.g. Prop. 84, CBI, etc.)
- Apply for a low interest loan through the State Water Resources Control Board's Clean Water State Revolving Fund (CWSRF) program for implementation of programs and projects to control pollution from nonpoint sources and stormwater drainage.

Table 7-14 lists grant and low interest loan programs that the DC WMG will investigate for EWMP projects. They programs range from Federal to State and can apply to transportation, waters supply, water quality, habitat enhancement, recreation, or a range of potential project benefits. Table 7-14 shows which project benefit criteria apply most to the different grant programs. As projects are developed and concept planned, incorporating the benefits that position them for grants and low interest loans can be beneficial in improving odds at successfully obtaining such funds.

Table 7-14: Grant and Loan Programs and Project Criteria

Funding Source	Priority Project Elements									
	Drought Preparedness	Increase Local Water Supply	Conservation Programs	Water Quality	Pollution Reduction	Flood Management Programs	Drinking Water Protection	Ecosystem Protection	Restoration	Public Health/ Environmental Impact
EPA Section 319				X	X					
Proposition 1:										
Regional Water Security		X		X				X	X	
Flood Management		X		X				X	X	
Clean, Safe, Reliable Drinking Water		X		X			X	X	X	
Water Recycling		X		X				X	X	
Ecosystem and Watershed Protection		X		X				X	X	
Groundwater Sustainability		X		X				X	X	X
Water Storage Capacity		X		X				X	X	
Clean Beaches Initiatives				X	X			X	X	
TIGER Discretionary *				X						
Supplemental Environmental Project Funds:										
Federal			X	X	X					X
State			X	X	X			X	X	
Clean Water State Revolving Fund	X			X	X					X
California Infrastructure Development Bank – Infrastructure State Revolving Fund Program				X		X				

* Transportation projects that are coordinated with interdisciplinary factors including Stormwater and other infrastructure investments

Fees and Charges

The financial strategies DC WMG agencies will consider associated with fees and charges are:

- Use existing revenue streams for stormwater/water supply/flood control projects to support stormwater quality projects as legally allowable.
- AB 2403 – Use new state law to allow water rates to be used for the water supply benefit of stormwater projects as legally allowable.
- Establish a means by which private developers can fund regional or green streets project in lieu of retaining water on private development. To get sufficient benefit from this, the in lieu project would need to get greater water quality benefit than the potential private development project.
- Use solid waste management fees to cover the cost of enhanced street sweeping and other measures to reduce trash for compliance with TMDLs.
- Use water rates to fund programs to reduce irrigated runoff.
- Pursue a proposition 218 compliant stormwater fee or tax initiative (modified after the 2012 Clean Water Clean Beaches Initiative).
- Pursue proposition 218 compliant special product taxes on those projects that result in greater amounts of pollution causing water quality impairments. Examples include pesticides, fertilizers, automobile tires or other automotive products. Use the revenue to fund EWMP projects.

Legislative and Policy

The financial strategies DC WMG agencies will consider that require legislative or policy changes are summarized below:

- Lobby the Metropolitan Water District (MWD) of Southern California to reevaluate their approach for managing the Local Resource Program (LRP) to fund stormwater capture and use projects that offset the use of imported water supplies. This is related to a water rate increase in that MWD would incorporate the costs into their imported water rates.
- Pursue pollutant source control legislation patterned after SB 346 that either limits pollutants of concerns in products (e.g. copper in brake pads, or zinc in tires) or assesses a fee on those products that can be used by local governments to mitigate those pollutants.
- Form Special Assessment Districts and fees tailored to the Watershed Management Groups.
- Explore the use of Enhanced Infrastructure Finance Districts tailored to the Watershed Management Group, as outlined in recently adopted (2014) California legislation SB628.
- 2014 Water Resources Reform and Development Act of 2014 (WRRDA). Partner with USACE to model the watershed impervious surface effects on the federal interests under WRRDA to secure USACE cost sharing for EWMP programs.

Future Steps

The financial strategies mentioned herein are options for funding sources, some or all of which can potentially be implemented to develop a comprehensive financial solution. As each DC WMG agency determines the appropriate funding strategy, they will consider the following items as well:

- Development of public support for financial strategies though outreach efforts
- Create inter-jurisdiction WMG financial working group(s)

The Watershed Management Group as a whole, as well as individual members of the WMG are currently prioritizing and selecting the specific financial strategies that best fit their needs.

PAGE INTENTIONALLY LEFT BLANK

8. Legal Authority

As part of the Standard Provisions of the MS4 Permit, Permittees must demonstrate through a certified statement annually that their legal authority to implement and enforce the requirements of the order exists. Legal authority is described in the MS4 Permit (Part VI.A.2, pages 39-41) as follows:

a. Each Permittee must establish and maintain adequate legal authority, within its respective jurisdiction, to control pollutant discharges into and from its MS4 through ordinance, statute, permit, contract or similar means. This legal authority must, at a minimum, authorize or enable the Permittee to:

   i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.

   ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A;

   iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4;

   iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4;

   v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows);

   vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders;

   vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Copermittees;

   viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation;

   ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4;

   x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations;

   xi. Require that structural BMPs are properly operated and maintained; and

   xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.

With the exceptions of the City of Inglewood, each of the DC WMG agencies has provided their latest certified statement for inclusion in Attachment W for reference. The City of Inglewood is still in the process of obtaining their certified statement at the time of this writing.

9. References

AMEC Earth & Environmental, Inc. 2003. Supplemental Report Consolidated Slip Restoration Project Concept Plan. Prepared for Regional Water Quality Control Board Los Angeles Region and the Port of Los Angeles.

AMEC. 2011. Port of Los Angeles Dominguez Channel and Consolidated Slip Erosion Study Chemistry EDDs.

Attachment A to Resolution No. R4-2007-006. Adopted by RWQCB June 7, 2007. Proposed Amendments to the Water Quality Control Plan - Los Angeles Region for the Machado Lake Trash TMDL.

Attachment A to Resolution No. R08-006. Adopted by Regional Board September 2, 2010. Proposed Amendment to the Water Quality Control Plan - Los Angeles Region to incorporate the Total Maximum Daily Load for Pesticides and PCBs in Machado Lake.

Attachment A to Resolution No. R10-008. May 5, 2011. Amendment to the Water Quality Control Plan - Los Angeles Region to Incorporate the Total Maximum Daily Load for Toxic Pollutants in Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters.

Attachment A to Resolution No. R11-008. May 5, 2011. Amendment to the Water Quality Control Plan - Los Angeles Region to Incorporate the Total Maximum Daily Load for Toxic Pollutants in Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters.

Attachment C to Resolution No. R12-007. June 7, 2012. Amendment to the Water Quality Control Plan - Los Angeles Region to revise the Los Angeles Harbor Bacteria TMDL (Inner Cabrillo Beach and Main Ship Channel).

Bay Area Stormwater Management Agencies Association. April 29, 2011. Bay Area Stormwater Management Agencies Association Feasibility/Infeasibility Criteria Report – NPDES Municipal Regional Permit Provisions C.3.c.i.(2)(b)(iv) and C.3.c.iii.(1).

Bureau of Engineering Prop O Bond Division. October 2013. Proposition O - Clean Water Bond Program; October 2013 Monthly Report. http://www.lapropo.org/.

Bureau of Engineering Prop O Bond Division. March 2014. Proposition O - Clean Water Bond Program; March 2014 Monthly Report. http://www.lapropo.org/.

California Environmental Protection Agency. Los Angeles Regional Water Quality Control Board. 2014. Basin Plan Amendments - TMDLs. http://www.waterboards.ca.gov/rwqcb4/water_issues/programs/tmdl/tmdl_list.shtml.

California Regional Water Quality Control Board. July 11, 2007. Trash Total Maximum Daily Load for Machado Lake in the Dominguez Channel Watershed.

California Regional Water Quality Control Board, Los Angeles Region. Revised Draft April 2008. Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrient) TMDL.

Caltrans. January 2009. BMP Pilot Study Guidance Manual (CTSW-RT-06-171.02.1). California Department of Transportation.

CASQA. 2003. California Stormwater Quality Association. *California Stormwater BMP Handbooks.* Four Handbooks: New Development and Redevelopment, Construction, Municipal, and Industrial/Commercial. www.cabmphandbooks.org.

CASQA. 2007. California Stormwater Quality Association. Municipal Stormwater Program Effectiveness Assessment Guidance.

CDM for City of Los Angeles Department of Public Works Bureau of Sanitation. October 11, 2006. Final Project Concept Report Rosecrans Recreation Center Stormwater Enhancements Proposition O Project. http://www.lapropo.org/sitefiles/docs/Concept_Reports/Rosecrans_FINALReport.pdf.

CDM for City of Los Angeles Department of Public Works Bureau of Sanitation. October 11, 2006. Project Concept Report Peck Park Canyon Proposition O Project. http://www.lapropo.org/sitefiles/docs/Concept_Reports/PeckPark_ConcptReport.pdf.

CDM for City of Los Angeles Department of Public Works Bureau of Sanitation. December 13, 2006. Final Project Concept Report Machado Lake Ecosystem Rehabilitation Project. http://www.lapropo.org/sitefiles/docs/Concept_Reports/Machado_CR.pdf.

City of Los Angeles. Environment LA Sanitation. Project Information Form. Provided by Alfredo Magallanes February 16, 2014.

City of Los Angeles. 2003, 2010, 2011. Los Angeles Harbor—Annual Assessment Report(s). City of LA, Department of Public Works, Bureau of Sanitation, Environmental Monitoring Division.

City of Los Angeles. November 18, 2013. Concept Memo #2: Existing and Potential Control Measures.

City of Los Angeles. Bureau of Street Services. 2014. Street Cleaning Section. http://bss.lacity.org/StreetMaintenance/scs.htm.

City of Los Angeles Department of Public Works Bureau of Engineering. July 2009. Machado Lake Ecosystem Rehabilitation Project Wilmington Drain Multi-Use Project Pre-Design Report Executive Summary. http://lapropo.org/sitefiles/Machado/executivesummary.pdf.

City of San Diego. Prepared by URS Corporation. May 31, 2011. Targeted Aggressive Street Sweeping Pilot Program Phase IV Speed Efficiency Study Final Report.

City of San Francisco. 2010. San Francisco Stormwater Design Guidelines. Appendix A: BMP Factsheets. http://www.sfwater.org/modules/showdocument.aspx?documentid=2778.

County of Los Angeles Department of Public Works Watershed Management Division. July 1, 2003. Dry Weather Treatment Feasibility Study.

County of Los Angeles Department of Public Works (LACDPW). April 2004. Dominguez Watershed Management Plan. Submitted by MEC Analytical Systems, Inc. http://ladpw.org/wmd/watershed/dc/DCMP/masterplan.cfm

County of Los Angeles Department of Public Works (LACDPW). 2006. Los Angeles County-Wide Structural BMP Prioritization Methodology: A Guidance Manual for Strategic Storm Water Quality Project Planning. 2006. Prepared for County of Los Angeles Department of Public Works, City of Los Angeles, and Heal the Bay by Geosyntec.

County of Los Angeles Department of Public Works (LACDPW). January 2009. County of Los Angeles Low Impact Development Standards Manual.

County of Los Angeles Department of Public Works (LACDPW). 2010a. Los Angeles County Watershed Model Configuration and Calibration – Part I: Hydrology. August 6, 2010. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

County of Los Angeles Department of Public Works (LACDPW). 2010b. Los Angeles County Watershed Model Configuration and Calibration – Part II: Water Quality. August 6, 2010. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

County of Los Angeles Department of Public Works (LACDPW). 2010c. The Los Angeles County Watershed Management Modeling System Loading Simulation Program in C++ User's Manual. October 1, 2010. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

County of Los Angeles Department of Public Works (LACDPW). 2011a. Phase II Report: Development of the Framework for Watershed Scale Optimization Modeling. June 30, 2011. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

County of Los Angeles Department of Public Works. September 12, 2011. 2011b. Multipollutant TMDL Implementation Plan for the County of Los Angeles Unincorporated Area of the Machado Lake Watershed.

County of Los Angeles Department of Public Works (LACDPW). 2013. The Los Angeles County Watershed Management Modeling System Regional Optimization User's Manual. March 19, 2013. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

CWE. May 24, 2013. Vermont Avenue Median Stormwater Park. Prepared for Council for Watershed Health.

Fraley-McNeal, L., Schueler, T., Winer, R. 2007. National Pollutant Removal Performance Database - Version 3. Center for Watershed Protection, September 2007. http://www.cwp.org/online-watershed-library/doc_download/640-national-pollutant-removal-performance-database-version-3

Gateway Cities Council of Governments. 2013. Trash Implementation Meeting.

Geosyntec. 2008a. A User's Guide for the Structural BMP Prioritization and Analysis Tool (SBPAT v1.0). December 2008. Prepared for Heal the Bay, City of Los Angeles, and County of Los Angeles Department of Public Works by Geosyntec.

Geosyntec. 2008b. A User's Guide for the Structural BMP Prioritization and Analysis Tool (SBPAT v1.0) Technical Appendices. December 2008. Prepared for Heal the Bay, City of Los Angeles, and County of Los Angeles Department of Public Works by Geosyntec.

Hollywood Park Land Company, LLC. October 6, 2011. Standard Urban Stormwater Mitigation Plan and Low Impact Development for Hollywood Park. Prepared by Henrik Nazarian.

John L. Hunter & Associates, Richard Watson & Associates, CWE, and Kinnetic Laboratories. October 2010. Metals TMDL Implementation Plan for Reach 1 of the Los Angeles River and Compton Creek.

Leadership Committee of the Greater Los Angeles County Integrated Regional Water Management Region. July 2013. The Greater Los Angeles County Integrated Regional Water Management Plan. http://dpw.lacounty.gov/wmd/irwmp/index.cfm?fuseaction=TopDocListing&directory=2013_Public_Draft_IRWMP_Update&ttl=2013%20Public%20Draft%20IRWMP%20Update.

Los Angeles County Department of Public Works (LACDPW). 2002 – 2012. Municipal Stormwater Permit Unified Annual Report. 2002 – 2012. http://ladpw.org/wmd/NPDESRSA/AnnualReport/.

Los Angeles County Department of Public Works (LACDPW). 2002-2012. Los Angeles County Municipal Stormwater Monitoring Reports. http://ladpw.org/wmd/NPDES/report_directory.cfm.

Los Angeles County Department of Public Works (LACDPW). January 2006. Hydrology Manual.

Los Angeles County Department of Public Works (LACDPW). Dominguez Watershed. http://ladpw.org/wmd/watershed/dc/. Accessed on February 4, 2014.

Los Angeles County Flood Control District (LACFCD). 2012. Los Angeles County Clean Water, Clean Beaches Measure. http://www.lacountycleanwater.org/.

Los Angeles County Flood Control District (LACFCD). 2013. Machado Lake Nutrient TMDL Implementation Plan for the Los Angeles County Flood Control District.

Los Angeles County GIS Data Portal. 2013. http://egis3.lacounty.gov/dataportal.

Los Angeles County. Office of the Assessor. 2013. http://assessormap.co.la.ca.us/mapping/viewer.asp. Accessed December 9, 2013.

Los Angeles Regional Water Quality Control Board (LARWQCB). Adopted June 13, 1994. Water Quality Control Plan Los Angeles Region. *Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties*.

Los Angeles Regional Water Quality Control Board (LARWQCB). July 1, 2004. Resolution No. 2004-011. Amendment to the *Water Quality Control Plan for the Los Angeles Region* to Incorporate a Total Maximum Daily Load for Bacteria at Los Angeles Harbor (Inner Cabrillo Beach and Main Ship Channel).

Los Angeles Regional Water Quality Control Board (LARWQCB). June 7, 2007. Resolution No. R4-2007-006. Amendment to the *Water Quality Control Plan for the Los Angeles Region* to Incorporate a Total Maximum Daily Load for Trash in Machado Lake.

Los Angeles Regional Water Quality Control Board (LARWQCB). 2007. 2006 CWA Section 303(d) List of Water Quality Limited Segments Requiring TMDLs. June 28, 2007. http://www.usbr.gov/lc/socal/reports/brineconcentrate/3Regs_part2.pdf.

Los Angeles Regional Water Quality Control Board (LARWQCB). May 1, 2008. Resolution No. R08-006. Amendment to the *Water Quality Control Plan for the Los Angeles Region* to Incorporate a Total Maximum Daily Load for Eutrophic, Algae, Ammonia, and Odors (Nutrients) for Machado Lake.

Los Angeles Regional Water Quality Control Board (LARWQCB). 2010a. 2010 List of Impaired Surface Waters (The 303(d) List).

Los Angeles Regional Water Quality Control Board (LARWQCB). 2010b. Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants Total Maximum Daily Loads Draft. December 2010.

Los Angeles Regional Water Quality Control Board (LARWQCB). May 5, 2011. Resolution No. R11-008. Amendment to the *Water Quality Control Plan for the Los Angeles Region* to Incorporate a Total Maximum Daily Load for Toxic Pollutants in Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters.

Los Angeles Regional Water Quality Control Board (LARWQCB). October 26, 2012. Response to Comments on the Tentative Order. *Minimum Control Matrix*. Accessed February 19, 2014. http://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/StormSewer/CommentLetters/E_MCM%20Matrix%2010-26-12%20Final.pdf.

Los Angeles Regional Water Quality Control Board (LARWQCB). 2013. General Required Information for Required Information for the Reasonable Assurance Analysis for Each Water Body-Combination Addressed by the Watershed Management Program. November 6, 2013.

Los Angeles Regional Water Quality Control Board (LARWQCB). February 6, 2014. Time Schedule Order No. R4-2014-0023. Requiring the City of Los Angeles (Inner Cabrillo Beach, Los Angeles Harbor) to Comply with Requirements Prescribed in Order No. R4-2012-0175 (NPDES Permit No. CAS004001.

Los Angeles River Upper Reach 2 Watershed Management Area (LAR UR2 WMA). January 2015. Los Angeles River Upper Reach 2 Watershe Management Area Revised Watershed Management Program (WMP) Plan. Submitted June 26, 2014, Revised January 27, 2015. Prepared by CWE.

Low Impact Development Center Inc. April 2010. Low Impact Development Manual for Southern California: Technical Guidance and Site Planning Strategies.

Lyons, J.M. and S. Birosik. 2007. Water Quality in the Dominguez Channel and Los Angeles/Long Beach Harbor Watershed Management Area under the Surface Water Ambient Monitoring Program (SWAMP) Fiscal Year 2002-2003. California Regional Water Quality Control Board, Los Angeles Region.

Machado Lake Ecosystem Rehabilitation Project and Wilmington Drain Mulit-Use Project Final Pre-Design Report, Appendix N, Draft Sediment Removal Plan. 2009. Prepared for City of Los Angeles, Department of Public Works and Bureau of Engineering. Prepared by CDM in association with Parsons.

Measure O Water Quality Improvement Projects for the Dominguez Channel Watershed. http://www.lapropo.org/sitefiles/dominguez.htm. Project pages for: Wilmington Drain Multi-Use Project, Machado Lake Ecosystem Rehabilitation Project, Rosecrans Recreation Center Stormwater Enhancements, and Peck Park Canyon.

Moran, Kelly. tdc Environmental. July 18, 2011. Memo: Brake Pad Copper Reduction - MRP Section C.13.c. Report 2011. http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/stormwater/MRP/2011_AR/BASMAA/A7-A12_2010-11_MRP_AR.pdf.

National Oceanic and Atmospheric Administration (NOAA). August 24, 1999. *United States and State of California v. Montrose Chemical Corp., et al., No. CV 90-3122-AAH (C.D.Cal.)*, Entered 08/24/1999. Amended Consent Decree (Settling Local Governmental Entities, e.g., LACSD).

NPDES Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the County of Los Angeles, and the Incorporated Cities Therein, Except the City of Long Beach. 2001. State Water Resources Control Board; Los Angeles Region. NPDES Permit No. CAS004001; Order No. 01-182.

NPDES Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles County, Except Those Discharges Originating from the City of Long Beach. 2012. State Water Resources Control Board; Los Angeles Region. NPDES Permit No. CAS004001; Order No. R4-2012-0175.

Port of Los Angeles (POLA). 2005. Mid-water column monitoring results, enhanced suite analyses. May and Sept. 2005-2008.

Port of Los Angeles (POLA) and City of Los Angeles Department of Public Works Bureau of Sanitation Watershed Protection Division. April 7, 2014. Inner Cabrillo Beach CB01 Compliance Station Pollution Prevention Plan. Prepared by Weston Solutions, Inc.

Port of Long Beach (POLB). 2006. Mid-water column monitoring results. Oct. 2006-2008.

Port of Long Beach (POLB)/Port of Los Angeles (POLA)/Weston Solutions. 2006. Characterization of Sediment Contaminant Flux in Inner and Outer Harbor Water Bodies –TMDL Implementation Support. Sampling and Analysis Plan, prepared for Port of Los Angeles and Port of Long Beach, by Weston Solutions.

Proposition 84 Application/Survey Preview. December 17, 2013. Century Boulevard LID Project. Submitted by the City of Inglewood.

Regional Water Quality Control Board (RWQCB). April 2008. Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrient) TMDL. Staff Report.

Regional Water Quality Control Board (RWQCB). September 2, 2010. Machado Lake Pesticides and PCBs TMDL. Staff Report.

RMC Water and Environmental. Opti, Database in response to the Greater Los Angeles County IRWMP. http://irwm.rmcwater.com/la/login.php.

RMC Water and Environmental and Geosyntec Consultants. November 2012. Greater Los Angeles County Integrated Regional Water Management South Bay Subregional Plan Draft. Section 4. http://dpw.lacounty.gov/wmd/irwmp/index.cfm?fuseaction=documents.

RMC Water and Environmental, Geosyntec Consultants, Dr. Ambrose, Richard, GreenInfo Network, et. al. 2012. The Greater Los Angeles County Open Space for Habitat and Recreation Plan. Prepared for the Greater Los Angeles County Integrated Regional Water Management Plan.

Southern California Coastal Water Research Project (SCCWRP). 2007. Atmospheric Deposition in LA/LB Harbor. Southern California Coastal Water Research Program presentation to Technical Advisory Committee, September 13, 2007.

Southern California Coastal Water Research Project (SCCWRP). 2007. Southern California Bight 2003 Regional Monitoring Program.

Southern California Coastal Water Research Project (SCCWRP). 2011. Southern California Bight 2008 Regional Monitoring Program.

Saviskas, Robert with the Los Angeles County West Vector and Vector-Borne Disease Control District. June 19, 2009. Rain Barrel Study and Analysis of Los Angeles County Public Works Low-Impact Development (LID) Ordinance Standards.

Stein, Eric D. and Ackerman, Drew. April 2007. Journal of the American Water Resources Association, Vol. 43, No. 2. Dry Weather Water Quality Loading in Arid, Urban Watershed of the Los Angeles Basin, California, USA.

Storm Water Solutions. 2013. Water Remediation Media. http://www.estormwater.com/water-remediation-media.

United States Environmental Protection Agency. 1999a. Storm Water Operation and Maintenance Fact Sheet: Catch Basin Cleaning. http://water.epa.gov/scitech/wastetech/upload/2002_06_28_mtb_catchbas.pdf.

United States Environmental Protection Agency. 1999b. Storm Water Technology Fact Sheet: Hydrodynamic Separators. http://water.epa.gov/scitech/wastetech/upload/2002_06_28_mtb_hydro.pdf.

United States Environmental Protection Agency. 2000. Understanding and Accounting for Method Variability in Whole Effluent Toxicity Applications Under the National Pollutant Discharge Elimination System Program.

United States Environmental Protection Agency. Last updated April 3, 2012. National Menu of Stormwater Best Management Practices. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/. Accessed February 25, 2014.

United States Environmental Protection Agency. 2013a. Green Homes: Conserving water. http://www.epa.gov/greenhomes/ConserveWater.htm.

United States Environmental Protection Agency. 2013b. Water: Class V Wells: Storm Water Drainage Wells. http://water.epa.gov/type/groundwater/uic/class5/types_stormwater.cfm.

United States Environmental Protection Agency. 2013c. Water: Low Impact Development (LID). http://water.epa.gov/polwaste/green/.

United States Environmental Protection Agency. Last updated February 3, 2014a. Environmental Indicators. http://www.epa.gov/reg3esd1/data/indicators.htm. Accessed February 24, 2014.

United States Environmental Protection Agency. Last Updated February 5, 2014b. Watershed Assessment, Tracking & Environmental Results. http://www.epa.gov/waters/ir/index.html.

Zeng, EY and D Tsukada, DW Diehl, J Peng, K Schiff, JA Noblet, KA Maruya. 2005. Distribution and Mass Inventory of Total Dichlorodiphenyldichloroethylene in the Water Column of the Southern California Bight. Environ. Sci. Technol. 39: 8170-76.

PAGE INTENTIONALLY LEFT BLANK

Attachment A

LACFCD Background

PAGE INTENTIONALLY LEFT BLANK

This attachment provides background information pertaining to the Los Angeles County Flood Control District (LACFCD), and their involvement in the Dominguez Channel Watershed Management Group (DC WMG) Enhanced Watershed Management Program (EWMP), supplemental to the EWMP Work Plan.

In 1915, the Los Angeles County Flood Control Act established the LACFCD and empowered it to manage flood risk and conserve stormwater for groundwater recharge. In coordination with the United States Army Corps of Engineers the LACFCD developed and constructed a comprehensive system that provides for the regulation and control of flood waters through the use of reservoirs and flood channels. The system also controls debris, collects surface storm water from streets, and replenishes groundwater with stormwater and imported and recycled waters. The LACFCD covers the 2,753 square-mile portion of Los Angeles County south of the east-west projection of Avenue S, excluding Catalina Island. It is a special district governed by the County of Los Angeles Board of Supervisors, and its functions are carried out by the Los Angeles County Department of Public Works. The LACFCD service area is shown in Figure A.1. The LACFCD territory within the DC WMG is shown in Figure A.2.

Unlike cities and counties, the LACFCD does not own or operate any municipal sanitary sewer systems, public streets, roads, or highways. The LACFCD operates and maintains storm drains and other appurtenant drainage infrastructure within its service area. The LACFCD has no planning, zoning, development permitting, or other land use authority within its service area. The Permittees that have such land use authority are responsible under the MS4 Permit for inspecting and controlling pollutants from industrial and commercial facilities, development projects, and development construction sites. (MS4 Permit, Part II.E, page 17.)

The MS4 Permit language clarifies the unique role of the LACFCD in storm water management programs: "[g]iven the LACFCD's limited land use authority, it is appropriate for the LACFCD to have a separate and uniquely-tailored storm water management program. Accordingly, the storm water management program minimum control measures imposed on the LACFCD in Part VI.D of this Order differ in some ways from the minimum control measures imposed on other Permittees. Namely, aside from its own properties and facilities, the LACFCD is not subject to the Industrial/Commercial Facilities Program, the Planning and Land Development Program, and the Development Construction Program. However, as a discharger of storm and non-storm water, the LACFCD remains subject to the Public Information and Participation Program and the Illicit Connections and Illicit Discharges Elimination Program. Further, as the owner and operator of certain properties, facilities and infrastructure, the LACFCD remains subject to requirements of a Public Agency Activities Program." (MS4 Permit, Part II.F, page 18).

Consistent with the role and responsibilities of the LACFCD under the MS4 Permit, the EWMPs and Coordinated Integrated Monitoring Programs (CIMPs) reflect the opportunities that are available for the LACFCD to collaborate with Permittees having land use authority over the subject watershed area. In some instances, the opportunities are minimal, however the LACFCD remains responsible for compliance with certain aspects of the MS4 Permit as discussed above.

In some instances, in recognition of the increased efficiency of implementing certain programs regionally, the LACFCD has committed to responsibilities above and beyond its obligations under the 2012 MS4 Permit. For example, although under the 2012 MS4 Permit the Public Information and Participation Program (PIPP) is a responsibility of each Permittee, the LACFCD is committed to implementing certain regional elements of the PIPP on behalf of all Permittees at no cost to the Permittees. These regional elements include:

- Maintaining a countywide hotline (888-CLEAN-LA) and website (www.888cleanla.com) for public reporting and general stormwater management information at an estimated annual cost of $250,000. Each Permittee can utilize this hotline and website for public reporting within its jurisdiction.

- Broadcasting public service announcements and conducting regional advertising campaigns at an estimated annual cost of $750,000.
- Facilitating the dissemination of public education and activity specific stormwater pollution prevention materials at an estimated annual cost of $100,000.
- Maintaining a stormwater website at an estimated annual cost of $10,000.

The LACFCD will implement these elements on behalf of all Permittees starting July 2015 and through the MS4 Permit term. With the LACFCD handling these elements regionally, Permittees can better focus on implementing local or watershed-specific programs, including student education and community events, to fully satisfy the PIPP requirements of the 2012 MS4 Permit.

Similarly, although water quality monitoring is a responsibility of each Permittee under the 2012 MS4 Permit, the LACFCD is committed to implement certain regional elements of the monitoring program. Specifically, the LACFCD will continue to conduct monitoring at the seven existing mass emissions stations required under the previous Permit. The LACFCD will also participate in the Southern California Stormwater Monitoring Coalition's Regional Bioassessment Program on behalf of all Permittees. By taking on these additional responsibilities, the LACFCD wishes to increase the efficiency and effectiveness of these programs.

Figure A.1: LACFCD Service Area

PAGE INTENTIONALLY LEFT BLANK

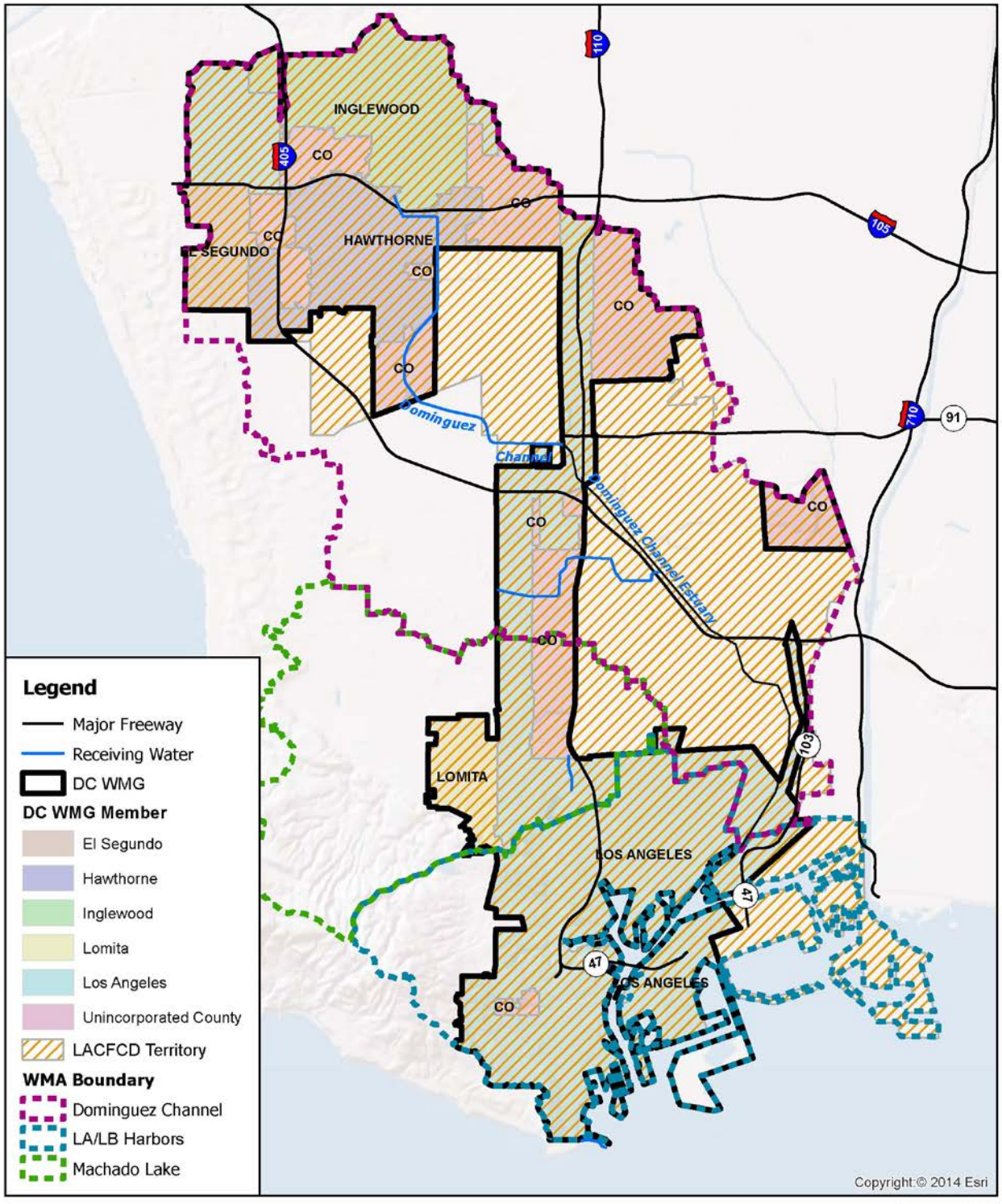


Figure A.2: DC WMG Jurisdictions

PAGE INTENTIONALLY LEFT BLANK

Attachment B

Introduction Figures

PAGE INTENTIONALLY LEFT BLANK

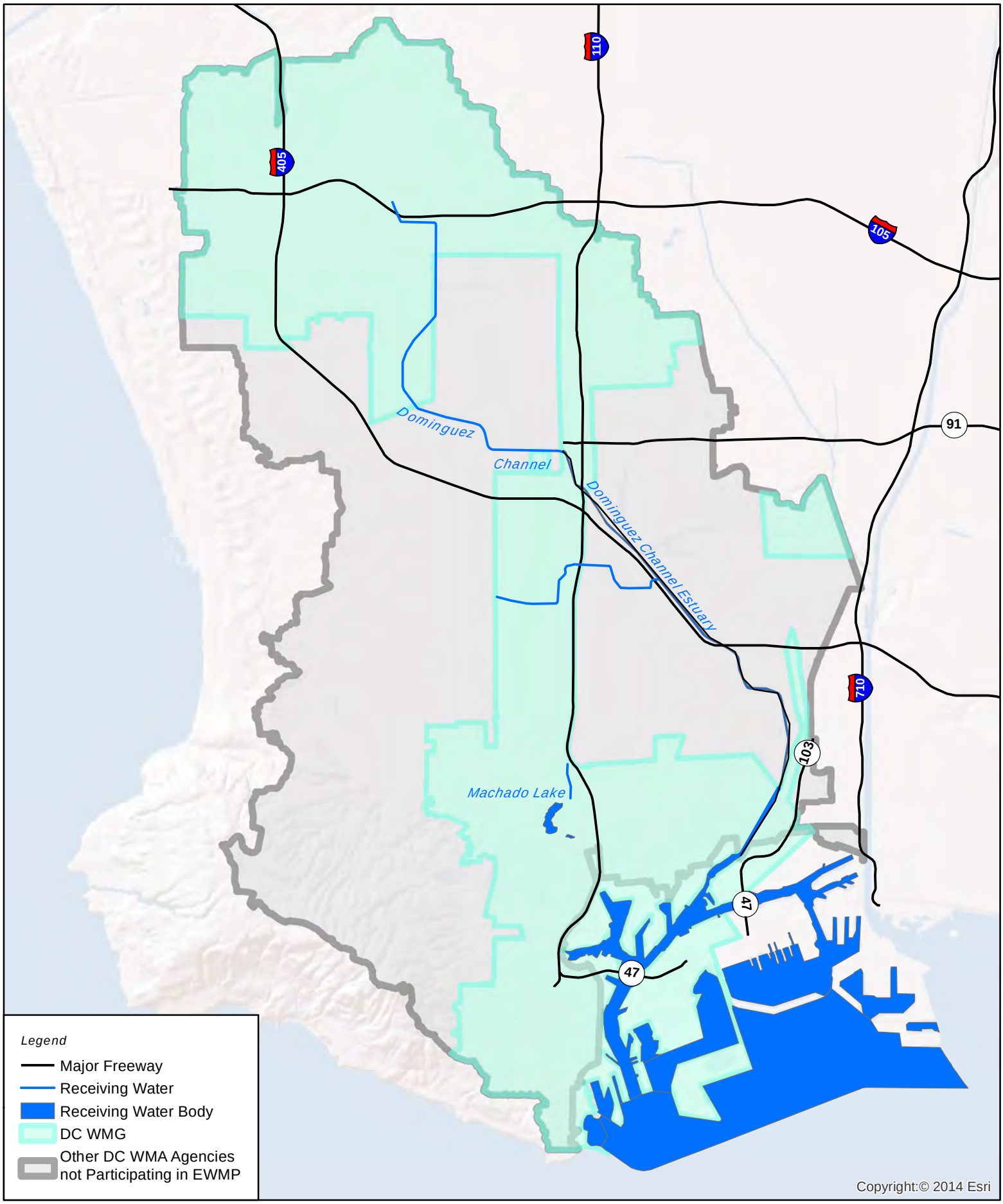


Figure B.1
Dominguez Channel Watershed Management Area

PAGE INTENTIONALLY LEFT BLANK

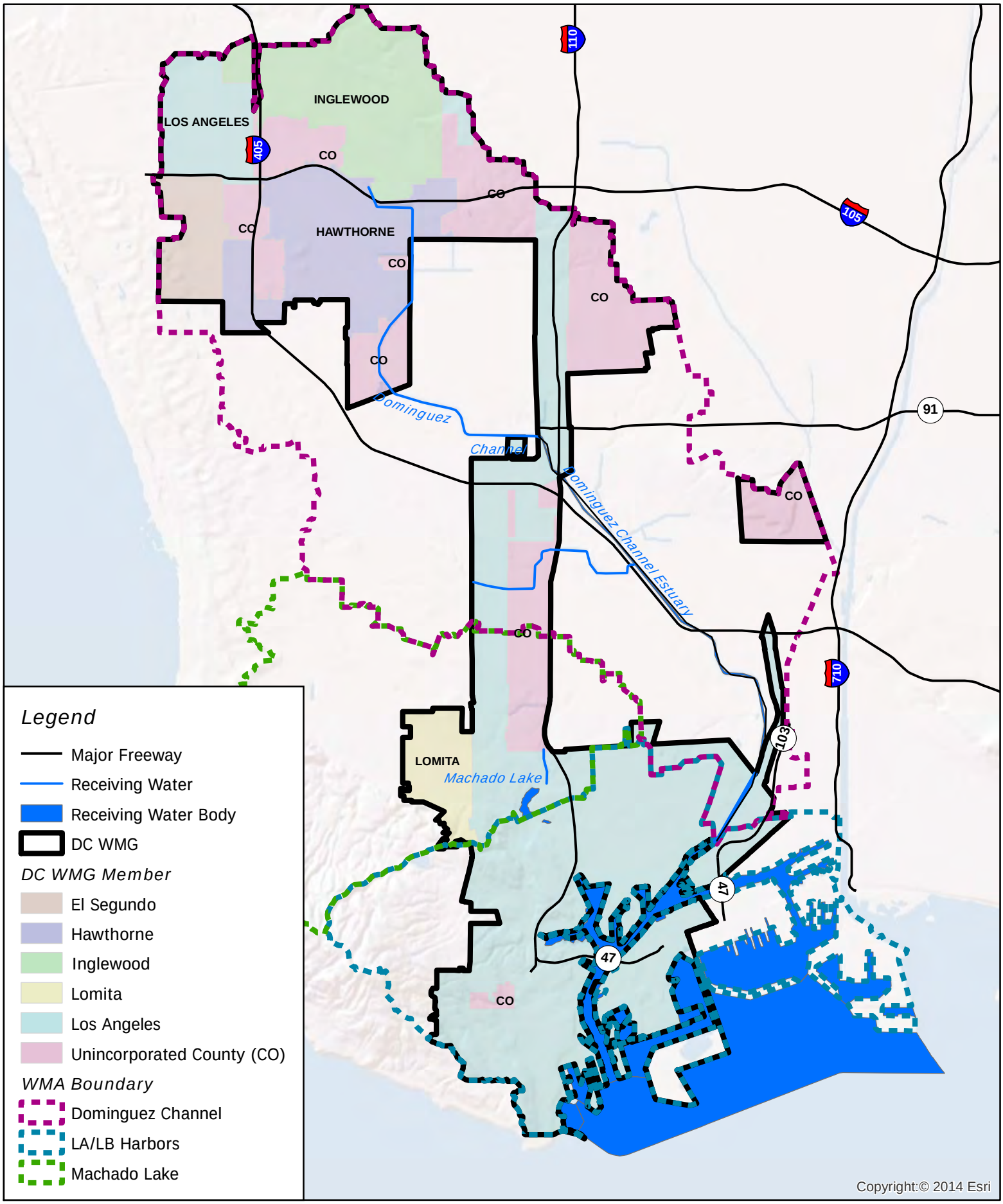


Figure B.2
DC WMG Drainage

PAGE INTENTIONALLY LEFT BLANK

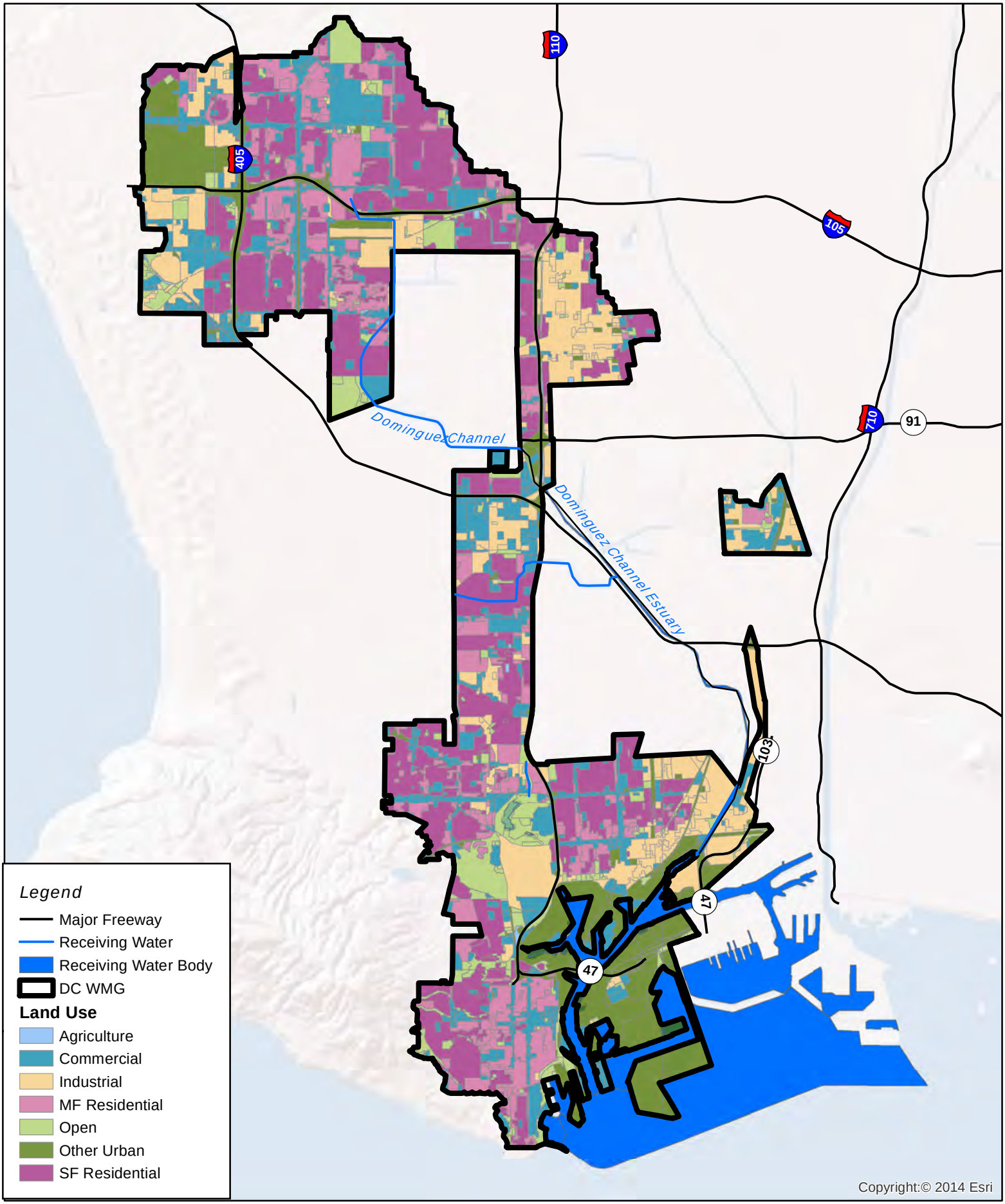


Figure B.3
DC WMG Land Use

PAGE INTENTIONALLY LEFT BLANK

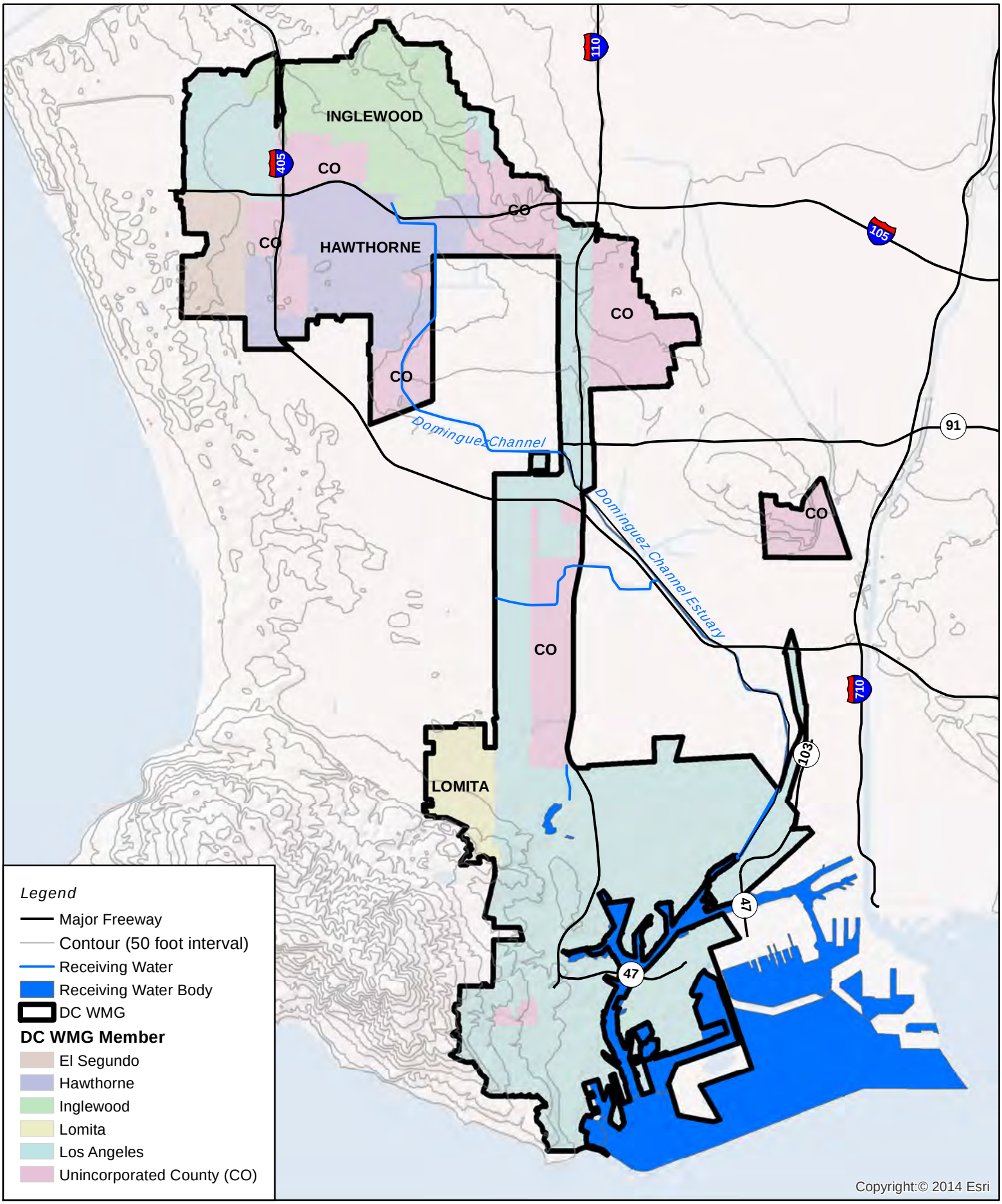


Figure B.4
Topography

PAGE INTENTIONALLY LEFT BLANK

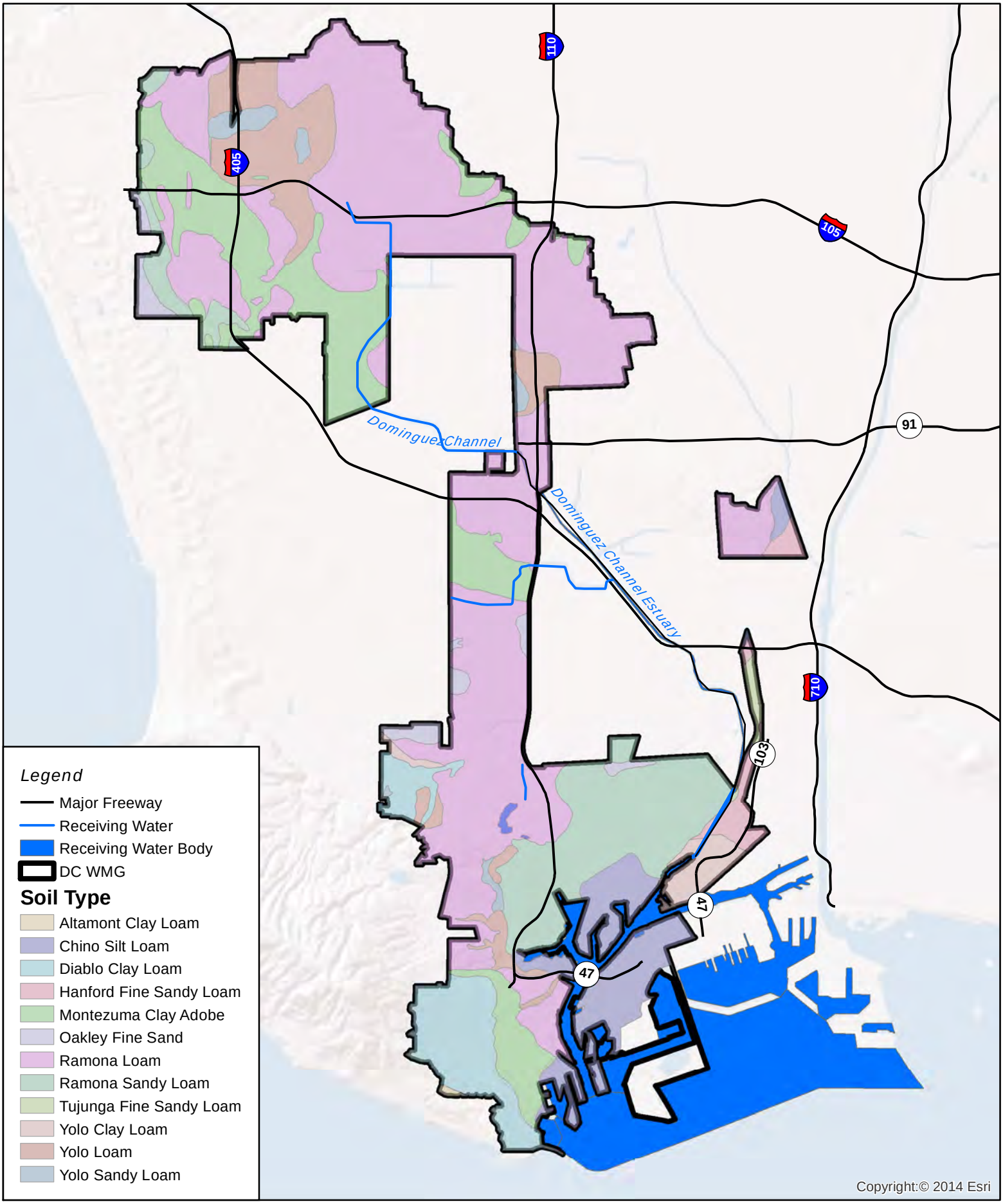
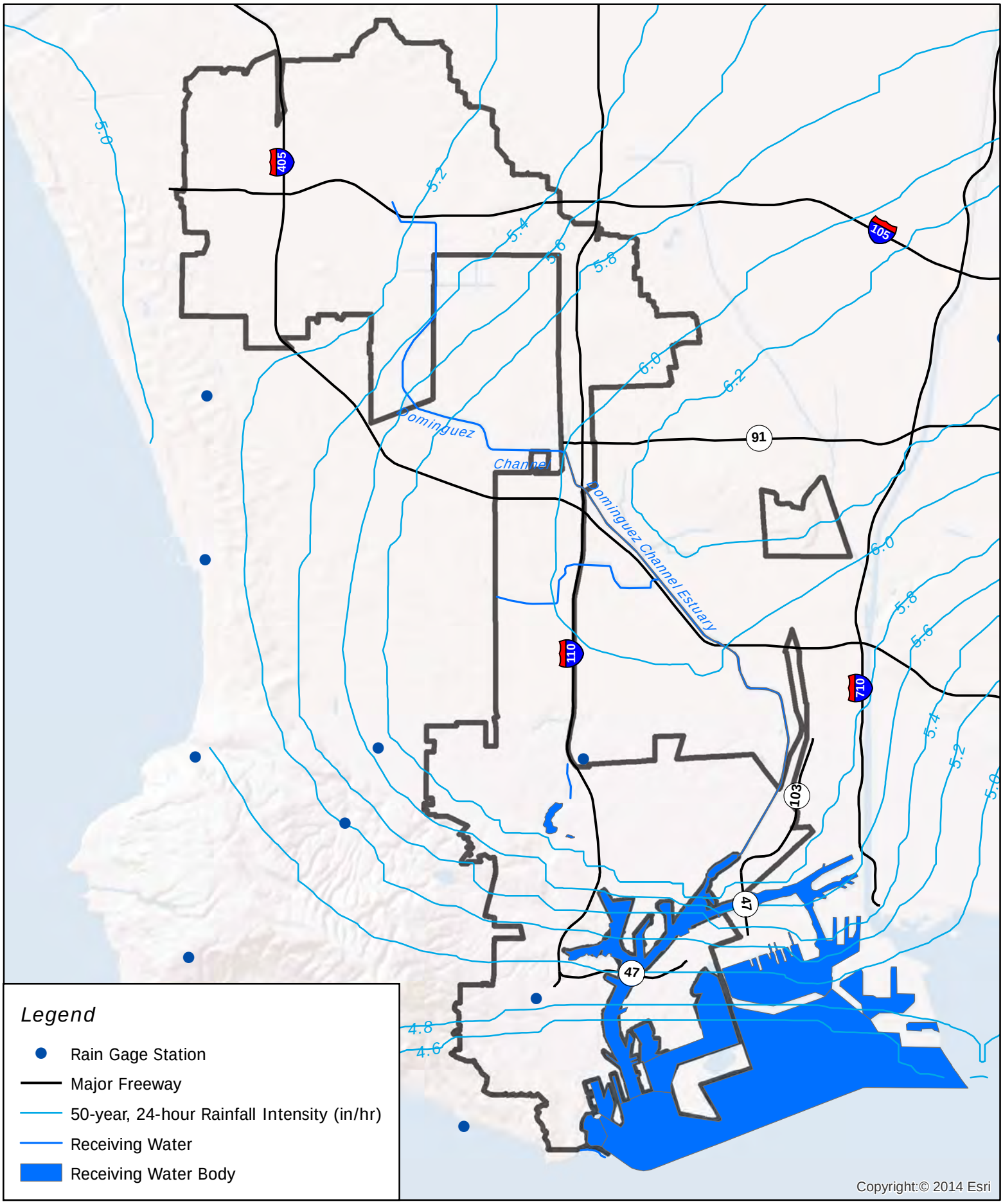


Figure B.5
Soil Types based on the LA Hydrology Manual

PAGE INTENTIONALLY LEFT BLANK



N

0 0.5 1 2 Miles

Figure B.6
50-year, 24-hour Rainfall Intensity

PAGE INTENTIONALLY LEFT BLANK

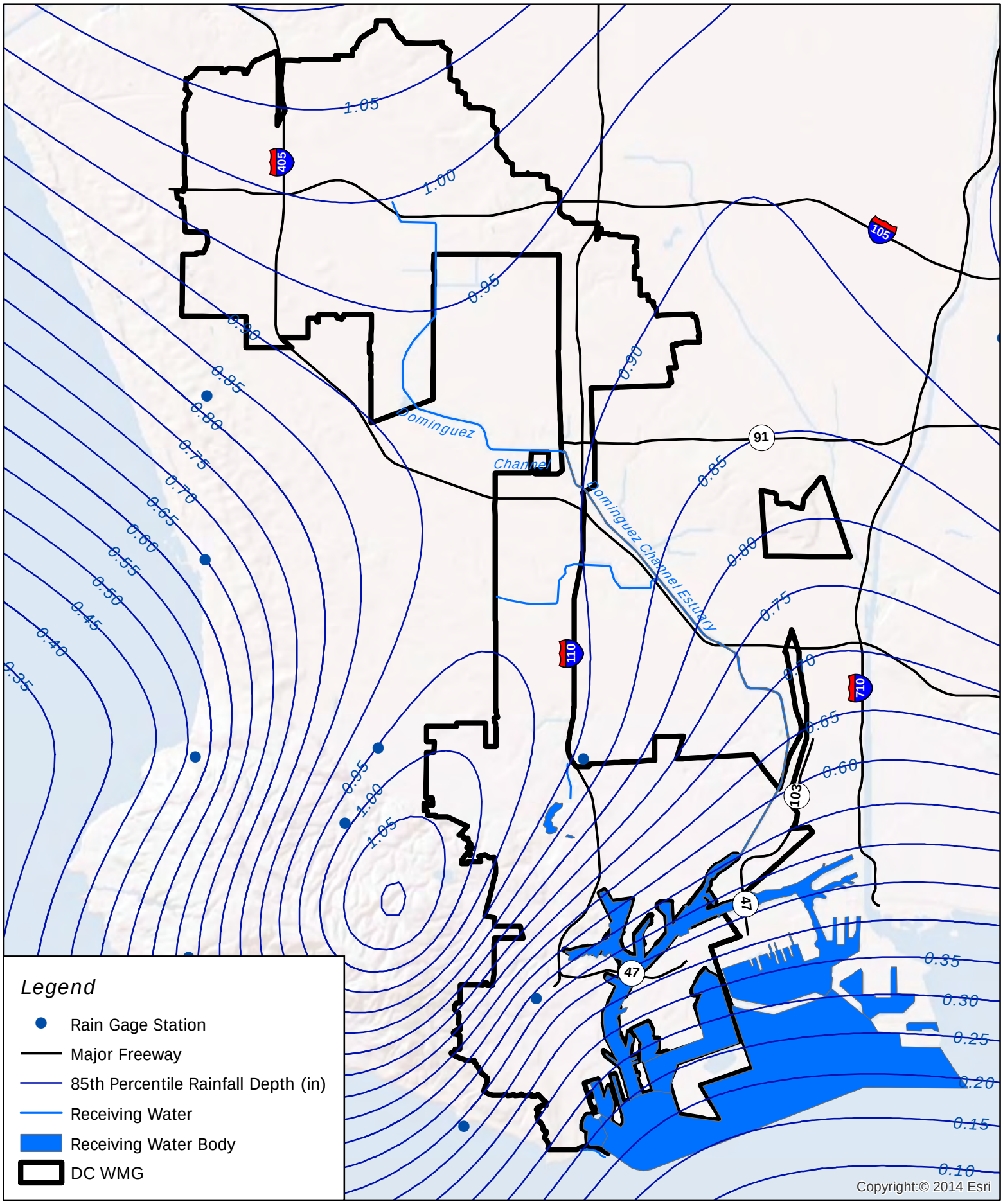


Figure B.7
85th Percentile, 24-hour Rainfall Depth

PAGE INTENTIONALLY LEFT BLANK

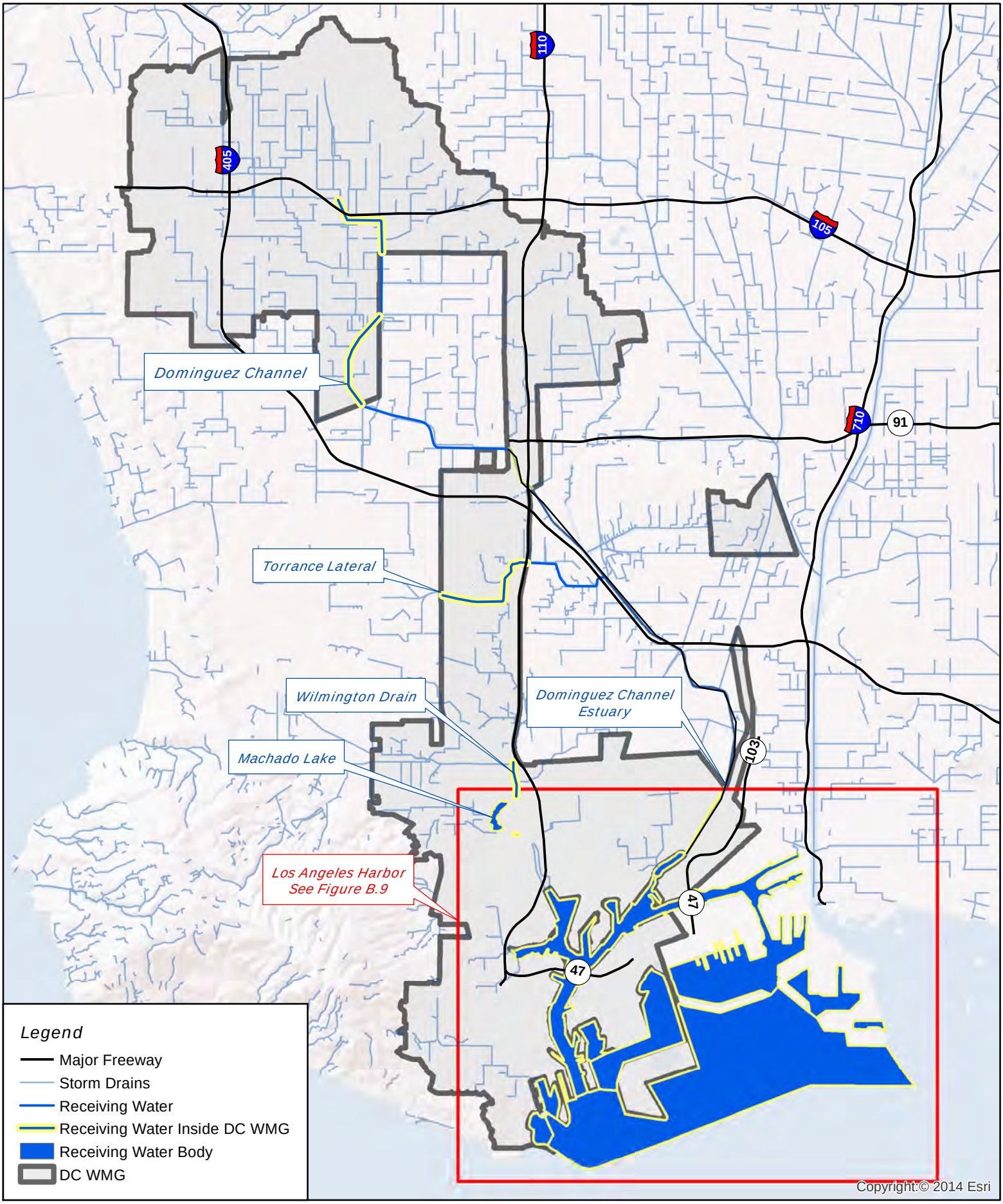


Figure B.8
DC WMG Water Bodies

PAGE INTENTIONALLY LEFT BLANK

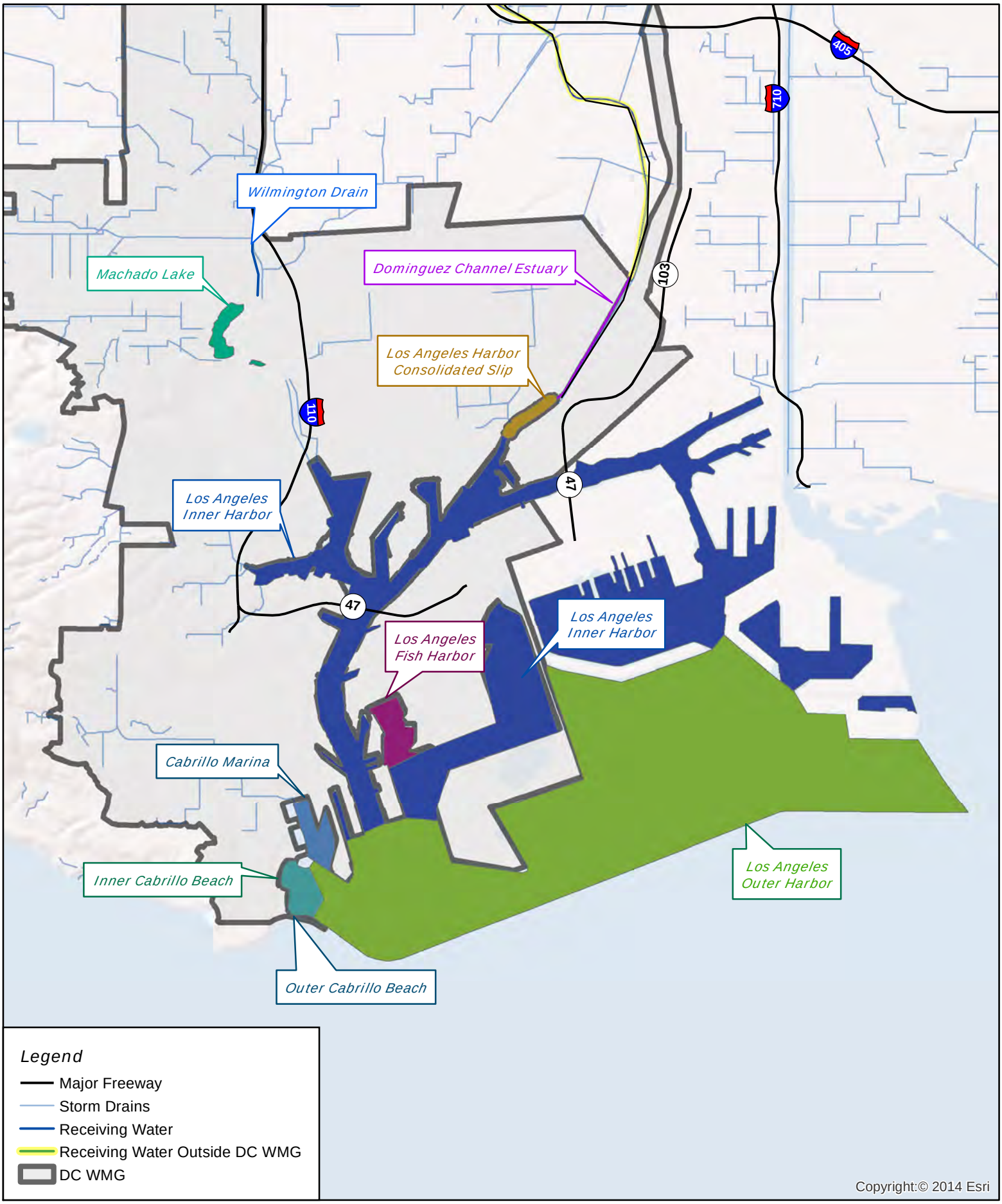


Figure B.9
Los Angeles Harbor Water Bodies

PAGE INTENTIONALLY LEFT BLANK

Attachment C

DC WMG TMDL Requirements

PAGE INTENTIONALLY LEFT BLANK

This attachment includes tables summarizing the existing Total Maximum Daily Load (TMDL) requirements relevant to the Dominguez Channel Watershed Management Group (DC WMG), corresponding with Section 1.3.1 of the DC WMG Enhanced Watershed Management Program (EWMP). The following TMDL water quality objectives are outlined in this attachment:

- Los Angeles Harbor Bacteria TMDL (Inner Cabrillo Beach and Main Ship Channel);
- Machado Lake Trash TMDL;
- Machado Lake Nutrient TMDL;
- Machado Lake Pesticides and PCBs TMDL; and
- Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL (DC and LA Harbor Toxic Pollutants TMDL).

Attachment C List of Tables

Table C.1 demonstrates which DC WMG members are affected by each of the TMDLs per Attachment K, Table K-4, of the Los Angeles County Municipal Separate Storm and Sewer System (MS4) Permit.

As recognized by the footnote in Attachment K-4 of the Permit, the County of Los Angeles, the Los Angeles County Flood Control District (LACFCD), and the Cities of El Segundo, Hawthorne, Inglewood, and Los Angeles have entered into an Amended Consent Decree with the United States and the State of California, including the Regional Board, pursuant to which the Regional Board has released the DC WMG members from responsibility for Toxic pollutants in the Dominguez Channel and the Greater Los Angeles and Long Beach Harbors. Accordingly, no inference should be drawn from the submission of this EWMP or from any action or implementation taken pursuant to it that the DC WMG members are obligated to implement the Toxics TMDL, including this EWMP or any of the Toxics TMDL's other obligations or plans, or that the DC WMG members have waived any rights under the Amended Consent Decree.

Table C.1: DC WMG TMDLs

DC WMG Member	Los Angeles Harbor Bacteria TMDL	Machado Lake Trash TMDL	Machado Lake Nutrient TMDL	Machado Lake Pesticides and PCBs TMDL	DC and LA Harbor Waters Toxic Pollutants TMDL
El Segundo					X
Hawthorne					X
Inglewood					X
Lomita		X	X	X	
Los Angeles	X	X	X	X	X
Los Angeles County	X	X	X	X	X
LACFCD		X	X	X	X

Los Angeles Harbor Bacteria TMDL (Inner Cabrillo Beach and Main Ship Channel)
The Los Angeles Harbor Bacteria TMDL became effective on March 10, 2004 as Resolution No. 2004-011. Reconsideration of certain technical matters pertaining to this TMDL were approved by the State Board on March 19, 2013 as Resolution No. R12-007. In response to the Time Schedule Order (TSO) discussed below, a Pollution Prevention Plan Work Plan was submitted to the Regional Board by the Port of Los Angeles and the City of Los Angeles Department of Public Works Bureau of Sanitation Watershed Protection Division. The Work Plan for the Pollution Prevention Plan is discussed in Section 3.1.3 of the EWMP.

Per Attachment N Part A.2 of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with the final Water Quality Based Effluent Limitations (WQBELs) listed in Table C.2 for discharges to the Los Angeles Harbor Main Ship Channel, Los Angeles and Long Beach Harbor, and Inner Cabrillo Beach as of December 28, 2012, the effective date of the MS4 Permit.

Table C.2: Los Angeles Harbor Bacteria TMDL WQBELs		
Constituent	**Effluent Limitations (MPN or cfu)**	
	Daily Maximum	**Geometric Mean**
Total coliform	10,000/100 mL	1,000/100 mL
Fecal coliform	400/100 mL	200/100 mL
Enterococcus	104/100 mL	35/100 mL

[1] Total coliform density shall not exceed a daily maximum of 1,000/100 mL if the ratio of fecal-to-total coliform exceeds 0.1.

Per Attachment N Part A.3.a of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with the single sample bacteria Receiving Water Limitations (RWLs) listed in Table C.3 for the Los Angeles Harbor Main Ship Channel and Inner Cabrillo Beach as of December 28, 2012, the effective date of the MS4 Permit. The RWLs in Table C.3 will only be applicable until the effective date of the revised Los Angeles Harbor Bacteria TMDL (Attachment C of Resolution No. R12-007). Upon the effective date of this revision, the Permittees must comply with the final single sample bacteria RWLs listed in Table C.4, per Attachment N Part A.3.b of the MS4 Permit. The revised Los Angeles Harbor Bacteria TMDL was approved by the State Board on March 19, 2013 and will become effective following USEPA approval.

Table C.3: Los Angeles Harbor Bacteria TMDL RWLs				
Time Period	**Receiving Water**	**Compliance Monitoring Location**	**Annual Allowable Exceedance Days of the Single Sample Objective (days)**	
			Daily Sampling	**Weekly Sampling**
Summer Dry-Weather (April 1 to October 31)	Inner Cabrillo Beach	CB1 & CB2	0	0
	Main Ship Channel	HW07	0	0
Winter Dry-Weather (November 1 to March 31)	Inner Cabrillo Beach	CB1 & CB2	0	0
	Main Ship Channel	HW07	3	1
Wet Weather[1] (Year-round)	Inner Cabrillo Beach	CB1 & CB2	0	0
	Main Ship Channel	HW07	15	3

[1] Wet weather is defined as days with 0.1-inch of rain or greater and the three days following the rain event.

Table C.4: Los Angeles Harbor Bacteria TMDL RWLs upon TMDL Revision				
Time Period	**Receiving Water**	**Compliance Monitoring Location**	**Annual Allowable Exceedance Days of the Single Sample Objective (days)**	
			Daily Sampling	**Weekly Sampling**
Summer Dry-Weather (April 1 to October 31)	Inner Cabrillo Beach	CB1 & CB2	0	0
	Main Ship Channel	HW07	0	0
Winter Dry-Weather (November 1 to March 31)	Inner Cabrillo Beach	CB1 & CB2	0	0
	Main Ship Channel	HW07	8	1
Wet Weather[1] (Year-round)	Inner Cabrillo Beach	CB1 & CB2	0	0
	Main Ship Channel	HW07	15	3

[1] Wet weather is defined as days with 0.1-inch of rain or greater and the three days following the rain event.

Per Attachment N Part A.3.c of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with the geometric mean RWLs identified in Table C.5 for the Los Angeles Harbor

Main Ship Channel, Los Angeles and Long Beach Inner Harbor, and Inner Cabrillo Beach as of December 28, 2013, the effective date of the MS4 Permit.

Table C.5: Los Angeles Harbor Bacteria TMDL Geometric Mean RWLs	
Constituent	**Geometric Mean**
Total coliform	1,000 MPN/100 mL
Fecal coliform	200 MPN/100 mL
Enterococcus	35 MPN/100 mL

On February 6, 2014, a TSO was approved for Inner Cabrillo Beach, at the boat launch ramp (Station CB1). In summary, the TSO (Order No. R4-2014-0023) states that the Permittees believe additional time is necessary to comply with the WQBELs and RWLs at Station CB1. The TSO presented monitoring data suggesting that the WQBELs and RWLs were not being met, as well as identifying the activities that have been completed with the intent of meeting the load allocations. The TSO identifies new WQBELs and RWLs, as well as an implementation schedule for additional watershed control measures such as monitoring, BMP implementation, BMP effectiveness assessments, and feasibility studies. From February 6, 2013 to December 28, 2017, the City of Los Angeles MS4 discharges to Inner Cabrillo Beach shall not exceed the WQBELs for total coliform, fecal coliform, and *enterococcus* per the allowable exceedance days presented in Table C.6 on an annual basis (November 1st - October 31st). From February 6, 2013 to December 28, 2017, the City of Los Angeles shall comply with the interim RWLs for total coliform, fecal coliform, and *enterococcus* per the allowable exceedance days presented in Table C.7 on an annual basis (November 1st - October 31st).

Table C.6: Los Angeles Harbor Bacteria TMDL WQBELs for Station CB1			
Compliance Monitoring Station	**Annual Allowable Exceedance Days (days)**		
	Single Sample Summer Dry-Weather	**Single Sample Winter Dry-Weather**	**Geometric Mean Year Round**
Station CB1	23	18	79

Table C.7: Los Angeles Harbor Bacteria TMDL RWLs for Station CB1			
Compliance Monitoring Station	**Annual Allowable Exceedance Days (days)**		
	Single Sample Summer Dry-Weather	**Single Sample Winter Dry-Weather**	**Geometric Mean Year Round**
Station CB1	23	18	79

Machado Lake Trash TMDL

The Machado Lake Trash TMDL became effective on March 6, 2008 as Resolution No. 2007-006.

Per Attachment N Part B of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with the final WQBEL of zero trash discharged to Machado Lake no later than March 6, 2016, and every year thereafter. In addition, Permittees must comply with interim and final WQBELs as illustrated in Table C.8. If Permittees opt to derive a site specific trash generation rate through its Trash Monitoring and Reporting Plan (TMRP), the baseline limitation will be calculated by multiplying the point source area(s) by the derived trash generation rate(s).

Table C.8: Machado Lake Trash TMDL WQBELs						
DC WMG Member	Baseline[1]	3/6/12 (80%)	3/6/13 (60%)	3/6/14 (40%)	3/6/15 (20%)	3/6/16 (0%)
		Annual Trash Discharge (gallons/year)				
Lomita	9,393	7,514	5,636	3,757	1,879	0
Los Angeles	12,331	9,865	7,399	4,932	2,466	0
Los Angeles County	8,304	6,643	4,982	3,322	1,661	0
LACFCD	16	13	10	7	3	0

[1] The Regional Board calculated the baseline WQBELs for the Permittees based on the estimated trash generation rate of 5,334 gallons of uncompressed trash per square mile per year.

Machado Lake Nutrient TMDL

The Machado Lake Nutrient TMDL became effective on March 11, 2009 as Resolution No. 2008-006. Los Angeles County Unincorporated Areas has developed a Multipollutant TMDL implementation plan applicable to this TMDL. In addition, the LACFCD also completed a TMDL implementation plan addressing this TMDL.

Per Attachment N Part C.2 of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with the interim and final WQBELs listed in Table C.9 for discharges to Machado Lake.

Table C.9: Machado Lake Nutrient TMDL WQBELs		
Deadline	Interim and Final Effluent Limitations	
	Monthly Average of Total Phosphorus (mg/L)	Monthly Average of Total Nitrogen[1] (mg/L)
As of December 12, 2013[2]	1.25	3.50
March 11, 2014	1.25	2.45
September 11, 2018	0.10	1.00

[1] $TKN+NO_3\text{-}N+NO_2\text{-}N$

[2] Effective date of the MS4 Permit

Per Attachment N Part C.3 of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, may be deemed in compliance with the WQBELs by actively participating in a Lake Water Quality Management Plan (LWQMP) and attaining RWLs. The City of Los Angeles has entered into a Memorandum of Agreement (MOA) with the Regional Board to implement the LWQMP and reduce external nutrient loading to attain the RWLs listed in Table C.10. Permittees also may be deemed in compliance with the WQBELs by demonstrating reduction of total nitrogen and total phosphorus on an annual mass basis measured at the storm drain outfall of the Permittee's drainage area where approved by the Regional Board Executive Officer based on the results of a special study. The annual mass based allocation demonstrated should be equivalent to a monthly average concentration of 0.1 mg/L total phosphorus and 1.0 mg/L total nitrogen based on approved flow conditions. The County of Los Angeles submitted a special study work plan, which was approved by the Regional Board Executive Officer, establishing the annual mass based WQBELs listed in Table C.11.

Table C.10: Machado Lake Nutrient TMDL RWLs (City of Los Angeles)		
Deadline	**Interim and Final Effluent Limitations**	
	Monthly Average of Total Phosphorus (mg/L)	**Monthly Average of Total Nitrogen (mg/L)**
As of December 12, 2013[1]	1.25	3.50
March 11, 2014	1.25	2.45
September 11, 2018	0.10	1.00

[1] Effective date of the MS4 Permit

Table C.11: Machado Lake Nutrient TMDL WQBELs (Los Angeles County)		
Deadline	**Interim and Final Effluent Limitations**	
	Annual Load Total Phosphorus (kg)	**Annual Load Total Nitrogen KN+NO3-N+NO2-N (kg)**
March 11, 2014	887	1,739
September 11, 2018	71	710

Machado Lake Pesticides and PCBs TMDL

The Machado Lake Pesticides and PCBs TMDL (also known as the Machado Lake Toxics TMDL) became effective on March 20, 2012 as Resolution No. R10-008. Los Angeles County Unincorporated Areas has developed a Multipollutant TMDL implementation plan applicable to this TMDL. In addition, the LACFCD also completed a TMDL implementation plan addressing this TMDL.

Per Attachment N Part D of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with the WQBELs listed in Table C.12 for discharges of suspended sediments to Machado Lake, applied as a three year average no later than September 19, 2019.

Table C.12: Machado Lake Pesticides and PCBs TMDL WQBELs	
Pollutant	**Effluent Limitations for Suspended Sediment-Associated Contaminants (µg/kg dry weight)**
Total PCBs	59.8
DDT (all congeners)	4.16
DDE (all congeners)	3.16
DDD (all congeners)	4.88
Total DDT	5.28
Chlordane	3.24
Dieldrin	1.90

DC and LA Harbor Waters Toxic Pollutants TMDL

The DC and LA Harbor Waters Toxic Pollutants TMDL (also known as the Los Angeles and Long Beach Harbor Toxic and Metals TMDL) became effective on March 23, 2012 as Resolution No. R11-008. According to the Regional Board implementation schedule, implementation plans must be developed by the responsible parties and submitted to the Regional Board by March 23, 2014. The development of an EWMP will satisfy the implementation plan requirements.

Per Attachment N Part E.2 of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with interim WQBELs for discharges to Dominguez Channel freshwater during wet-weather and concentration-based WQBELs for pollutant concentrations in the sediment discharged to the Dominguez Channel Estuary and Greater Los Angeles and Long Beach Harbor Waters by December 28, 2012, the effective date of the MS4 Permit. For discharges to Dominguez Channel freshwater during wet-weather, the freshwater toxicity interim WQBEL is 2 TUc. This interim limitation should be implemented as a trigger requiring initiation of the TRE/TIE process outlined in USEPAs "Understanding and Accounting for Method Variability in Whole Effluent Toxicity Applications Under the National Pollutant Discharge Elimination System Program" (2000). The interim metals WQBELs for the Dominguez Channel freshwater and Torrance Lateral during wet-weather are presented in Table C.13. For sediment discharges to the Dominguez Channel Estuary and Greater Los Angeles and Long Beach Harbor Waters, Permittees should comply with interim concentration-based WQBELs presented in Table C.14.

Table C.13: DC and LA Harbor Waters Toxic Pollutants TMDL Interim Freshwater Metals WQBELs for Wet-Weather

Pollutant	Interim Effluent Limitation Daily Maximum (µg/L)
Total Copper	207.51
Total Lead	122.88
Total Zinc	898.87

Table C.14: DC and LA Harbor Waters Toxic Pollutants TMDL Sediment Interim WQBELs

Water Body	Interim Effluent Limitations Daily Maximum (mg/kg sediment)					
	Copper	Lead	Zinc	DDT	PAHs	PCBs
Dominguez Channel Estuary (below Vermont Avenue)	220.0	510.0	789.0	1.727	31.60	1.490
Los Angeles Inner Harbor	154.1	145.5	362.0	0.341	90.30	2.107
Los Angeles Outer Harbor (inside breakwater)	104.1	46.7	150	0.097	4.022	0.310
Los Angeles Harbor - Cabrillo Marina	367.6	72.6	281.8	0.186	36.12	0.199
Los Angeles Harbor - Consolidated Slip	1,470.0	1,100.0	1,705.0	1.724	386.00	1.920
Los Angeles Harbor - Inner Cabrillo Beach Area	129.7	46.7	163.1	0.145	4.022	0.033
Fish Harbor	558.6	116.5	430.5	40.5	2,102.7	36.6

Per Attachment N Part E.3 of the MS4 Permit, the Permittees subject to this TMDL, as identified in Table C.1, must comply with final WQBELs for discharges to Dominguez Channel freshwater during wet-weather and concentration-based WQBELs for pollutant concentrations in the sediment discharged to the Dominguez Channel Estuary and Greater Los Angeles and Long Beach Harbor Waters by March 23, 2032 and every year thereafter. Per Attachment N Part E.3.a of the MS4 Permit, for discharges to Dominguez Channel freshwater during wet-weather, the freshwater toxicity effluent limitation should not exceed the monthly median of 1 TUc. The Permittees should also comply with the final metals WQBELs presented in Table C.15 for discharges to Dominguez Channel and all upstream reaches and tributaries of the Dominguez Channel above Vermont Avenue.

Table C.15: DC and LA Harbor Waters Toxic Pollutants TMDL Final Freshwater Metals WQBELs for Wet-Weather	
Metals	**Water Column Mass-Based Final Effluent Limitation Daily Maximum (g/day)**
Total Copper	1,300.3
Total Lead	5,733.7
Total Zinc	9,355.5

Per Attachment N Part E.3.b of the MS4 Permit, the Torrance Lateral must comply with freshwater final metals WQBELs and final concentration-based WQBELs for sediments, as shown in Table C.16 and Table C.17 respectively.

Table C.16: DC and LA Harbor Waters Toxic Pollutants TMDL Final Freshwater Metals WQBELs for Wet-Weather in Torrance Lateral	
Metals	**Water Column Effluent Limitation Daily Maximum (unfiltered, µg/L)**
Total Copper	9.7
Total Lead	42.7
Total Zinc	69.7

Table C.17: DC and LA Harbor Waters Toxic Pollutants TMDL Final Sediment Metals WQBELs for Wet-Weather in Torrance Lateral	
Metals	**Concentration-Based Effluent Limitation Daily Maximum (mg/kg dry)**
Total Copper	31.6
Total Lead	35.8
Total Zinc	121

Per Attachment N Part E.3.c of the MS4 Permit, the Dominguez Channel Estuary and Greater Los Angeles (and Long Beach) Harbor Waters must comply with final mass-based WQBELs, expressed as an annual loading of pollutants in the sediment deposited to the Dominguez Channel Estuary and the Greater Los Angeles and Long Beach Harbor Waters and final concentration-based WQBELs for sediments as shown in Table C.18. Permittees should also comply with final concentration-based WQBELs for pollutant concentrations in the sediments discharged to the Dominguez Channel Estuary, Consolidated Slip, and Fish Harbor as shown in Table C.19. Compliance with these limitations should be met by March 23, 2032 and every year thereafter.

Table C.18: DC and LA Harbor Waters Toxic Pollutants TMDL Final Sediment Metals WQBELs for DC Estuary and Los Angeles Harbor				
Water Body	**Final Effluent Limitations Annual (kg/yr)**			
	Total Cu	**Total Pb**	**Total Zn**	**Total PAHs**
Dominguez Channel Estuary	22.4	54.2	271.8	0.134
Consolidated Slip	2.73	3.63	28.7	0.0058
Inner Harbor	1.7	34.0	115.9	0.088
Outer Harbor	0.91	26.1	81.5	0.105
Fish Harbor (POLA)	0.00017	0.54	1.62	0.007
Cabrillo Marina	0.0196	0.289	0.74	0.00016

Table C.19: DC and LA Harbor Waters Toxic Pollutants TMDL Final Sediment Metals WQBELs for DC Estuary and Los Angeles Harbor			
Waterbody	**Effluent Limitations Daily Maximum (mg/kg dry sediment)**		
	Cadmium	**Chromium**	**Mercury**
Dominguez Channel Estuary	1.2	--	--
Consolidated Slip	1.2	81	0.15
Fish Harbor	--	--	0.15

Per Attachment N Part E.3.d of the MS4 Permit, Permittees must comply with final mass-based WQBELs, listed in Table C.20, expressed as an annual loading of total DDT and total PCBs in the sediment deposited to the Dominguez Channel Estuary and Greater Los Angeles (and Long Beach) Harbor Waters by March 23, 2032 and every year thereafter.

Table C.20: DC and LA Harbor Waters Toxic Pollutants TMDL Final Sediment Metals WQBELs for DC Estuary and Los Angeles Harbor		
Waterbody	**Final Effluent Limitations Annual (g/yr)**	
	Total DDTs	**Total PCBs**
Dominguez Channel Estuary	0.250	0.207
Consolidated Slip	0.009	0.004
Inner Harbor	0.051	0.059
Outer Harbor	0.005	0.020
Fish Harbor (POLA)	0.0003	0.0019
Cabrillo Marina	0.000028	0.000025
Inner Cabrillo Beach	0.0001	0.0003

Per Attachment N Part E.4, compliance with the limitations specified in Attachment N Part E.3.a-d, listed in Table C.15 to Table C.20, can be determined according to Table C.21. The table includes the MS4 Permit Section, which specifies the WQBELs associated with the DC and LA Harbor Waters Toxic Pollutants TMDL, the Table Reference for which the limitations are specified within this document and the various compliance determination methods.

Table C.21: DC and LA Harbor Waters Toxic Pollutants TMDL Compliance Determination

MS4 Permit Section[1]	Table Reference	Compliance Determination
Part E.2.b	Table C.14	i. Demonstrate that the sediment quality condition of *Unimpacted* or *Likely Unimpacted* via the interpretation and integration of multiple lines of evidence as defined in the Sediment Quality Objectives (SQO) Part 1 is met. ii. Meet the interim WQBELs in bed sediment over a three-year averaging period. iii. Meet the interim WQBELs in the discharge over a three-year averaging period.
Parts E.3.a.ii and E.3.b.i	Table C.15 and Table C.16	i. Final metals WQBELs are met. ii. California Toxics Rule (CTR) total metals criteria are met instream. iii. CTR total metals criteria are met in the discharge.
Parts E.3.c.i and E.3.c.ii	Table C.18 and Table C.19	i. Final WQBELs for pollutants in the sediment are met ii. The qualitative sediment conditions of *Unimpacted* or *Likely Unimpacted* via the interpretation and integration of multiples lines of evidence as defined in the SQO Part 1, is met, with the exception of chromium, which is not included in the SQO Part 1. iii. Sediment numeric targets are met in the bed sediments over a three-year averaging period.
Part E.3.d	Table C.20	i. Fish tissue targets are met in species resident to the specified waterbodies[2]. ii. Final WQBELs for pollutants in the sediment are met.

[1] Attachment N of the MS4 Permit

[2] A site-specific study to determine resident species should be submitted to the Regional Board Executive Officer for approval

Attachment D

Stakeholder Process

PAGE INTENTIONALLY LEFT BLANK

On April 10, 2014, a stakeholder workshop was held at the Los Angeles Zoo from 10:00 a.m. through approximately 2:00 p.m. The Dominguez Channel Watershed Management Group participated in the workshop and had a table set up with information on the watershed. Attached is a list of the persons and their organizations that attended the event, a card the Dominguez Channel Watershed Management Group handed out inviting persons to join a webinar, and a handout provided by the RWQCB describing the watershed.

The webinar provided guidance on how to use the Dominguez Channel Watershed Management Group's OPTI system to input project ideas.

On November 20, 2014, a second workshop was held at the Los Angeles Zoo. This workshop discussed the planning progress, discussed the regional projects identified to date, and continued to solicit input from the stakeholders on regional project opportunities, planning criteria to incorporate, the additional benefits sought from the EWMP projects, and other desired outcomes from the program. The list of attendees from this event is also attached.

The third workshop was also at the Los Angeles Zoo on March 19, 2015. This workshop discussed the draft EWMP, the projects identified, the load reductions that would occur from project implementation, any additional benefits communities would see from implementation of the projects, and the schedules and costs for implementation of the EWMP. The list of attendees from this workshop is also attached.

PAGE INTENTIONALLY LEFT BLANK

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Joe / Ortiz	City of Calabasas	818.224.1677	jortiz@cityofcalabasas.com
Shahriar Ettehadieh	SEITEC	310 879 9376	Shahriar.Ettehadieh@Seitecinc.com
Esther Feldman	CLS	310-398-8584 ext	efeldmana@conservationsolutions.org
Deborah Bloome	TreePeople	818-623-4887	dbloome@treepeople.org
Lifang Xu	El Segundo	310-524-2368	lxu@elsegundo.org
Craig Cadwalladr	Surfrider Foundation	310-575-3914	Chair@Surfrider-SouthBay.org
Deborah Deets	LASAN	213 485 3917	deborah.deets@lacity.org
Ken Murray	DWP	8184042300	KMURRAY@DWP.COM
Johnathan Perisho	TRP	323,681.2990	JOHN@THERIVERPROJECT.ORG
Miguel Luna	DAKELWNA	(818)568-9139	miguel@DAKELWNA.com
Rachel McPherson	POLA	310 732 0314	rmcpherson@portla.org

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Dawn Petschauer	City of LA	(213) 485-3916	dawn.petschauer@lacity.org
Susie Santilena	City of LA	(213) 485-0526	susie.santilena@lacity.org
Jane Parathara	City of LA	213 485 3952	jane.parathara@lacity.org
Mike Antos	Council for Watershed Health	213 229 9945	MIKE@watershedhealth.org
Cindy Rivers	CWE	(626) 975 8685	crivers@cwecorp.com
Shawn Warren	FoLAR	(310) 908-5774	S.Warren290@gmail.com
Jonathan Weiss	Expo Greenway	3105580404	jon@expogreenway.org
Mary Jane MacLeod	Contech	818-579-1781	MMacleod@contechES.com
Carlos Cueva	Sanitation City of LA	(213) 485-2329	Carlos.Cueva@lacity.org
Wing Tam	LA Sanitation	213-485-3985	Wing.Tam@lacity.org
Bronwyn Kelly	MWH	626-568-6059	bronwyn.kelly@mwhglobal.com
Matt Mogenet	City of West Hollywood	323-848-6894	mmogener@weho.org
Alex Paxton	CA Water Fdn	323-359-8120	apaxton@resourceslegacyfund.org
Mary Chavez	City of Alhambra	626 570 5067	mchavez@cityofalhambra.org
Stacy Dolgleish	Santa Monica	310 701 9876	sdolgleish@mac.com

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Guangyu Wang	SMBRL	213-576-6639	gwang@waterboards.ca.gov
Tony Li	City of LA	213-485-2312	Tony.Li@cityofla.org
John Kemmerer	US EPA	213-244-1832	Kemmerer.John@epa.gov
Andrew Coyne	City of Temple City	626-285-2171 [redacted]	acoyne@templecity.us
RICK VALTE	SANTA MONICA	(310)458 8234	rick.valte@smgov.net

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Sarah Munger	MWH	626-568-6104	Sarah.j.munger@mwhglobal.com
Victor Harris	MWH	626 568 6024	VICTOR.HARRIS@mwhglobal.com
Joe LeClair	CDM Smith	949-930-9825	leclairejp@cdmsmith.com
Art Salazar	City of Inglewood	310-412-5230	asalazarl@cityofinglewood.org
Elizabeth Whitman	EWC	6266899992	ewconsulting@gmail.com
Tom Williams	Sierra Club	323 528 7682	twilliams2012@yahoo.com
Bill Johnson	LACFCD/County	626-458-4319	wjohnson@dpw.lacounty.gov
Gary Roepke	Cannon	310-382-5129	garyr@cannon.corp.us
Seth Carr	City of LA	213 847-5511	seth.carr@lacity.org
Christian Silvas	Cannon Corp	310 945-7097	christians@cannoncorp.us
David Pettijohn (Marsa)	LADWP	2133670899	david.pettijohn@ladwp.com
Marsha Chan	City of LA	213-485-3953	marsa.chan@lacity.org.
Peter Shellenbarger	Heal the Bay	(310) 451-1500	pshellenbarger@healthebay.org
Alfredo Magallanes	City of LA	(213)485-3558	alfredo.magallanes@lacity.org
Rusty Millar	Silver Lake	323 3139539	larunner1@sbcglobal.net
Ken Susilo	Geosyntec	3109576111	ksusilo@geosyntec.com

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Angela George	LACDPW	626-458-4300	ageorge@dpw.lacounty.gov
Shahram Kharaghani	LA SAN	213-485-0587	shahram.kharaghani@lacity.org
Jon Ball	LA SAN	323-342-1557	jon.ball@lacity.org
Ben Willardson	CWE	714-526-7500 x210	BWILLARDSON@CWECORP.com
Chad Helmle	Tetra Tech	858-276-5648	chad.helmle@tetratech.com
Virginia Wei	LADWP	213-367-3220	virginia.wei@ladwp.com
Josette Descalzo	City of Beverly Hills	310-285-5224	jdescalzo@beverlyhills.org
DUSTIN BAMBIC	PARADIGM	615 460 3612	DUSTIN.BAMBIC@paradigmh2o.com
MIKKI KLEE	So PASADENA TEMPLE CITY MONTEREY PARK	(562) 802-7880	MKLEE@JLHA.NET
MIKKI KLEE	GLENDALE HAWTHORNE	" "	" "
Judi Miller	CH2M HILL	213-228-8236	JUDI.MILLER@CH2M.com
Daniel Rynn	CITY OF BURBANK	818-238-3940	drynn@burbankca.gov
Rebecca Drayse	Env Consulting, Inc	310-926-7801	rebecca@envconsultinginc.net
Ninh Hong	City of LA Sanitation	213-485-5079	ninh.hong@lacity.org
Susan Shu	LACity/BOE	213 485-4493	Susan.Shu@Lacity.org

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Steve Finton	Culver City	310 253 6457	Steven.Finton@CulverCity.Org

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
TJ Moon	LA County	626-458-4380	tmoon@dpw.lacounty.gov
DAN LALVA	" "	(626) 458-4325	PALVA@dpw.lacounty.gov
VIJAY DOL	C. of LA	213-485-3931	VDOLA@LACITY.ORG
BEN ENRIQUEZ	C. OF LA	213-847-4974	BENJAMINRIQUEZ@LACITY.ORG
DAVE JONES	CH2M HILL	213-228-8266	Dave.Jones@CH2M.com
CALVIN Abe	AHBE	213 694 3800	Cabe@ahbe.com
Andy Niknafs	LADWP	213-367-2354	andy.niknafs@ladwp.com
Hlumb Cox	LASAN	213-485-3984	hubertus.Cox@lacity.org
Andrea Cruzado	WESTON	760 795 6987	andrea.cruzado@westonsolutions.com
EMEVERTO	LA SAN	(213) 485-3967	Emeverto.Chen@LACITY.ORG
Lara Meeker	Los Angeles Waterkeeper	310 394-6162	lara@lawaterkeeper.org
Wendy Dinh	LA San	213 485-3912	wendy.dinh@lacity.org
Aliah Meza	KJServices	562-944-4766	KJSERV@aol.com
Cathy Beauregard		310-782-4461	cathy.beauregard@gmail.com
Rex Frankel		3107380861	RexFrankel@yahoo.com
Michael Drennan	B&V	310 384 8210	DrennanMJ@BV.com

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Jahayra Gastelum	LASAN	213 485 2402	jahayra.gastelum@lacity.org
Adel Hagekhalil		213-485-2210	[illegible]
Ali Poosti	LA SAN	323-342-6228	
Mario Cisneros	Ventura	(805) 824-1524	mcisneros@willdan.com
David Dolphin	City of Alhambra	626 28-7577	ddolphin@cityofalhambra.org
Barbara Rave	BPW	213-978-0255	barbara.rave@lacity.org
Joyce Dillard			dillardjoyce@yahoo.com
Agustine Rios			
Shokouh	Marashi	213 485 5759	Shokouh.marashi@lacity.org
Aidan M.	Infrastructure Engineers	951 203-2595	Amoisai@infeng.co
Rosalie Preston	Friends of Ballona Wetlands	310-538-2485	rosaliceanne@hotmail.com
Joshua Carvalho	City of Santa Monica	(310) 458-8721	joshua.carvalho@smgov.net
KADEN YOUNG	CULVER CITY	310/253-6445	KADEN.YOUNG@CULVERCITY.ORG
Nooshin EftekharZadeh	SEITec	310-938-3056	nooshin.eftekharzadeh@seitecinc.com
M WINTER	TRP		
Lauren Amimoto	Inglewood	310-412-5192	lamimoto@cityofinglewood.org

Los Angeles Enhanced Watershed Management Program

Public Meeting #2

Thursday November 20, 2014

Name	Organization	Phone Number	Email Address
Ryan Thiha	City LA	213 485 3917	Ryan.Thiha@LAcity.org
Matthew Charity	City LA	213-487-5666	matthew.charity@lacity.org
Genevieve Osmena	LA COUNTY/FCD	626-458-3978	gosmena@dpw.lacounty.gov
Bruce Hamamoto	LA County	626 458-5918	bhamamo@dpw.lacounty.gov
Hamid Tadayon	City of LA	213) 485-3841	Hamid.Tadayon@lacity.org
SOMVANG MEKSAVANH	LAWA	424 646 6492	Smeksavanh@lawa.org
Kathe Harrel	CWE	719)526-7500 x205	kharrel@crecwd.com
Michelle Mattson	Weston	760 717 3010	Michelle.mattson @ WestonSolutions.com
RAFAEL VILLEGAS	LADWP	213/367-1289	RAFAEL.VILLEGAS@LADWP.com
Peggy Gutierrez	PW/BSS	213 847-0831	Peggy.Gutierrez-@LACITY.org
Enrique Zaldivar	LASAN	213 485-2210	enrique.zaldivar@lacity.org
ALVIN CRUZ	City of Burbank	818-238-3941	acruz@burbankca.gov
Frances Lin	City of LA	323-342-6204	frances.lin@lacity.org
Greg Good	City of LA	310-418-1751	greg.good@lacity.org
Neal Shapiro	City of Santa Monica	310 458 8227	neal.shapiro@smgov.net

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Adel Hagekhalil	adel.hagekhalil@lacity.org							
Adrian F. Vazquez	adrian.vasquez@sen.ca.gov							
Aidan Mousavi	amousavi@infeng.org					X		
Albert Mendoza	amendoza@cityofinglewood.org	X	X					
Alfredo Magallanes	alfredo.magallanes@lacity.org					X		
Ali linder	alisonlinder@yahoo.com					X		
Alvin Cruz	Acruz@burbankca.gov					X		
Amy Ho	amho@montereypark.ca.gov					X		
Andrew J. Coyne	acoyne@templecity.us							
Andy Niknafs	andy.niknafs@water.ladwp.com					X		
Art Castro	art.castro@ladwp.com							
Azya Jackson	azya.jackson@lacity.org						X	
Barbara Romero	barbara.romero@lacity.org						X	
Barmeshwa Rai	brai@cityofinglewood.org	X	X					
Bobbi Gold	bobbigold@ucla.edu	X						
Bruce Hamamoto	bhamamo@dpw.lacounty.gov	X		X	X			
Bryan Truong	bryan.truong@lacity.org							
Cathy Beauregard	cathy.beauregard@gmail.com							
Charles D. Herbertson	charles.herbertson@culvercity.org	X		X				
Charlie Yu	charlie.yu@lacity.org					X		
Chris Demonbrun	chris.demonbun@lacity.org						X	
Chris Lapaz	clapaz@infeng.co					X		
Chris Minton	ChrisM@lwa.com							
Christine Frey	christine.frey@lacity.org							
Cindy Rivers	crivers@cwecorp.com				X			
Cody Ender	codyender@gmail.com	X						
Craig Cadwallader	chair@surfrider-southbay.org							
Damian Skinner	damian.skinner@culvercity.org							
Daniel Rynn	Drynn@burbankca.gov					X		
David Cheung	David.Cheung@lacity.org							
David R. Dolphin	ddolphin@cityofalhambra.org					X		
Dawn Petschauer	dawn.petschauer@lacity.org							

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Deborah Bloome	dbloome@treepeople.org						X	
Domingo Orosco	domingo.orosco@lacity.org							
Donna Chen	donna.chen@lacity.org						X	
Douglas Fay	douglaspfay@aol.com				X			
Douglas Krauss	DKrauss@cityofhawthorne.org		X					
Dustin Bambic	Dustin.Bambic@tetratech.com					X		
Elaine Jeng	elaine.jeng@redondo.org		X		X			
Eliza Jane Whitman	ejwconsulting@gmail.com							
Eric Vuong	eric.vuong@lacity.org						X	
Farhana Mohamed	farhana.mohamed@lacity.org							
Gary Hildebrand	ghildeb@dpw.lacounty.gov						X	
Gary D. Roepke	garyr@cannoncorp.us	X						
George Raphael	graphael@lawa.org		X					
George Wolfberg	g.wolfberg@verizon.net				X			
Gerald Greene	ggreene@cwecorp.com							
Ginny Brideau	gbrideau@therobertgroup.com		X					
Greg Good	Greg.Good@lacity.org						X	
Hamid Tadayon	hamid.tadayon@lacity.org				X			
Henry Yuan	henry.yuan@lacity.org						X	
Huub Cox	hubertus.cox@lacity.org						X	
Ioannice Lee	ioannice.lee@lacity.org				X			
Ivan Medel	imedel@santamonicabay.org							
James Tomlin	james.tomlin@lacity.org							
Jason Pereira	jpereira@cwecorp.com				X			
Javier Solis	javier.solis@lacity.org						X	
Jeff Catalano	jeff.r.catalano@lacity.org							
Jeremy Thomas	jeremy.thomas@lacity.org					X		
Jim Rasmus	rasmusjb@bv.com							
Jinderpal Bhandal	jinderpal.bhandal@lacity.org						X	
Jolene Guerrero	jguerrer@dpw.lacounty.gov		X			X		
Joe Bellomo	jbellomo@willdan.com				X			
Jon Ball	jon.ball@lacity.org						X	

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Johnathan Perisho	john@theriverproject.org					X		
Jonathan Weiss	jon@expogreenway.org	X						
Joshua Carvalho	Joshua.Carvalho@smgov.net	X			X			
Joyce Dillard	dillardjoyce@yahoo.com					X		
Juan Benitez	juan.benitez@lacity.org							
Judith Davies	judithdavies66@gmail.com							
Kaden Young	kaden.young@culvercity.org	X		X				
Karina Johnston	kjohnston@santamonicabay.org							
Kathryn Curtis	kcurtis@portla.org		X					
Kathy Kunysz	kkunysz@mwdh2o.com						X	
Katie Harrel	kharrel@cwecorp.com							
Ken Susilo	ksusilo@geosyntec.com						X	
Kevin Sales	kjserv@aol.com					X		
Kirsten James	kjames@healthebay.org						X	
Lara Meeker	lara@lawaterkeeper.org						X	
Larry Watts	twatts@seyfarth.com							
Laura Ballock	Laura.Ballock@tpl.org						X	
Lenise Marrero	lenise.marrero@lacity.org							
Leslie Purcell	lesliepurcell@gmail.com	X						
Liang Bing	liangbing1001@hotmail.com							
Lifan Xu	lxu@elsegundo.org		X		X			
Lynn Grijalva, PE	lgrijalva@hazenandsawyer.com						X	
Mark Osokow	hopebird@lafn.org							
(Marsa) Man Shan Chan	marsa.chan@lacity.org		X					
Martin Lam	Martin.Lam@ladwp.com							
Maurice Oillataguerre	moillataguerre@ci.glendale.ca.us					X		
Megan Otto	motto@geosyntec.com						X	
Meredith McCarthy	mmccarthy@healthebay.org						X	
Michael Affeldt	michael.affeldt@lacity.org					X		
Michael Drennan	DrennanMD@bv.com						X	
Michael Scaduto	michael.scaduto@lacity.org						X	
Michelle Galvez	mgalvez@jlha.net		X					

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Michelle Reed	mreed@dpw.lacounty.gov	X		X	X			
Mike D'Annucci	mdannucci@hazenandsawyer.com						X	
Miki Klee	mklee@jlha.net					X		
Nebu John	njohn@lawa.org	X	X	X	X			
Ninh Hong	ninh.hong@lacity.org				X	X		
Noah Garrison	ngarrison@nrdc.org						X	
Patrick Atwater	patrickatwater@gmail.com					X		
Paul J. Davis	paul.j.davis@lacity.org							
Peter Shellenbarger	pshellenbarger@healthebay.org							
Peter Tonthat	Peter.Tonthat@ladwp.com						X	
Rachel McPherson	RMcPherson@portla.org		X					
Rafael Villegas	Rafael.Villegas@ladwp.com					X		
Ramon Barajas	ramon.barajas@lacity.org							
Raul Leon	raul.leon@lacity.org					X		
Rebecca Christmann	rebecca.christmann@waterboards.ca.gov	X	X	X	X		X	
Renee Purdy	rpurdy@waterboards.ca.gov						X	
Richard Haimann	richard.haimann@hdrinc.com		X					
Rick Valte	rick.valte@smgov.net	X			X			
Robert Vega	robert.vega@lacity.org						X	
Ron Serven	RServen@sanmarinoca.gov					X		
Roulene Diego	roulene.diego@lacity.org					X		
Roxana Marashi	roxana.marashi@lacity.org					X		
Ryan Thiha	ryan.thiha@lacity.org						X	
Sabrina Rivera	sabrina.rivera@aecom.com		X		X			
Sam Kouri	SKouri@cityofmontebello.com							
Sarah Munger	Sarah.J.Munger@mwhglobal.com				X			
Sergio Infanzon	sergio.infanzon@lacity.org					X		
Sergio Perez	sergio.u.perez@lacity.org						X	
Shahram Kharagani	shahram.kharagani@lacity.org						X	
Shahriar Eftekharzadeh	Shahriar.Eftekharzadeh@aecom.com				X			
Sharon Perlstein	SPerlstein@weho.org							
Sheila Brice	sheila.brice@lacity.org							

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Sheila Kennedy	SKennedy@enfact.net						X	
Shokoufe Marashi	shokoufe.marashi@lacity.org						X	
Stefanie Smith	stefanie.smith@lacity.org							
Stephen Groner	sgroner@sga-inc.net	X						
Steve Carter	Steve.carter@tetratech.com							
Steven M. Williams	stevenmwilliams99@gmail.com	X				X		
Susan Shu	susan.shu@lacity.org						X	
Susie Santilena	susie.santilena@lacity.org						X	
Taraneh Nik-Khah	taraneh.nik-khah@lacity.org							
Thomas Lee	tlee@cityofinglewood.org	X	X					
Tim Brick	tim@arroyoseco.org					X		
Tom Gibson	Tom.Gibson@lacity.org						X	
Tom Watson	Tom.Watson@smgov.net	X			X			
Dr Tom Williams	ctwilliams2012@yahoo.com	X						
Tona Avalos	tavalos@dpw.lacounty.gov					X		
Tony Li	tony.li@lacity.org						X	
Tony Wilkinson	lawilkinson@acm.org							
Traci Minamide	traci.minamide@lacity.org						X	
Tracy Gant	tracy.gant@lacity.org							
Trish Rhay	trhay@beverlyhills.org							
Troy Ezeh	troy.ezeh@lacity.org						X	
Vaikko Allen	vallen@conteches.com						X	
Victor Ruiz	victor.ruiz@lacity.org	X						
Vijay Desai	vijay.desai@lacity.org					X		
Virginia Wei	virginia.wei@ladwp.com					X		
Vivian Marquez	vivian.marquez@lacity.org						X	
Wendy Dinh	wendy.dinh@lacity.org			X				
William Johnson	wjohnson@dpw.lacounty.gov		X					
Wing Tam, P.E.	wing.tam@lacity.org						X	
Yi Lee	yi.lee@lacity.org							
Yujiang Shu	nicoleshu718@gmail.com							
Zora Baharians	zora.baharians@lacity.org							

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Attended, Not On RSVP List								
Emerverto Cheng	Emerverto.Cheng@lacity.org					X		
David Jones	Dave.Jones@ch2mhill.com					X		
Victor Harris	Victor.Harris@mwhglobal.com				X			
Karen Miller	Karen.miller@m2resource.com				X			
Kendrick Okuda	Kendrick.Okuda@lacity.org						X	
Beau Thompson	bthompson@willdan.com				X			
Megan Whalen	megan.whalen@lacity.org					X		
Matthew Magener	mmagener@weho.org	X						
Susan Robinson	srobinson@jlha.net						X	
Jack Topel	jtopel@waterboards.ca.gov						X	
Bronwyn Kelly	bronwyn.kelly@mwhglobal.com						X	
Judi Miller	judi.miller@ch2m.com					X		
Guang-yu Wang	gwang@waterboards.ca.gov						X	
Robin Nezhad	rnezhad@erwncald.com		X					
Melanie Winter	winter@theriverproject.org					X		
Enrique Zaldivar	enrique.zaldivar@lacity.org						X	
Ali Poosti	ali.poosti@lacity.org						X	
Kristy Morris	kristy@watershedhealth.org					X		
Joe Leclaire	leclairejp@cdmsmith.com	X						
Bing Neris	bineris@hotmail.com					X		
TJ Moon	Tmoon@dpw.lacounty.gov			X				
Hampik Dekermenjian	DekermenjianH@cdmsmith.com						X	
Oliver Galang	ogalang@brwncald.com		X					
Alexander Vasquez	alexander.vasquez@lacity.org						X	
Julie Sauter	Julie.sauter@lacity.org						X	
Clayton Yoshida	clayton.yoshida@lacity.org						X	
Miguel Luna	miguel@dakeluna.com					X		
Anthony Hicke	hcike@ularawatermaster.com					X		
Mary Chavez	mchavez@cityofalhambra.org					X		

EWMP Workshop - April 10, 2014

Name	E-Mail Address	Watershed(s)						Initials
		BC	DC	MDR	SMB	ULAR	ALL	
Jennifer Samson	jsamson@larivercorp.com					X		
Deborah Deets	Deborah.Deets@lacity.org						X	
Pamela Hirneisen	pamela.hirneisen@lacity.org						X	

The Dominguez Channel Watershed Management Group wants your input on the

ENHANCED WATERSHED MANAGEMENT PLAN.

Come join us for a webinar to see how you can get your projects considered for the plan. Follow the link below to sign up. Two webinars are scheduled:

- Wednesday 4/16/2014, 10:00am – 11:00am
- Tuesday 4/22/2014, 1:00pm – 2:00pm

http://bit.ly/dc-ewmp-opti

If you need assistance, please call (323)669-7655 and someone will get back to you.

Scan to link to webinar registration.

PAGE INTENTIONALLY LEFT BLANK

Planning Workshop for Enhanced Watershed Management Programs being developed pursuant to the Los Angeles County MS4 Permit

April 10, 2014

Witherbee Auditorium, LA Zoo

The following provides an overview of the principles and requirements of an Enhanced Watershed Management Program (EWMP) to help guide discussions and the identification of possible projects to implement through the EWMP. Additionally, in many cases work has already been underway to identify potential opportunities to implement water quality improvement projects in these watersheds; Board staff has identified some of these existing watershed management / restoration plans, below. Additionally, excerpts from some of these plans will be made available at the watershed specific breakout groups to help generate discussion.

Dominguez Watershed

The Los Angeles County MS4 Permit states, in part:

"An Enhanced Watershed Management Program (EWMP) is one that comprehensively evaluates opportunities, within the participating Permittees' collective jurisdictional area in a Watershed Management Area, for collaboration among Permittees and other partners on multi-benefit regional projects …"

And, "An EWMP shall [among other things]:

- Include multi-benefit regional projects to ensure that MS4 discharges achieve compliance with all final Water Quality-Based Effluent Limitations … and do not cause or contribute to exceedances of receiving water limitations … by retaining through infiltration or capture and reuse the storm water volume from the 85th percentile, 24-hour storm for the drainage areas tributary to the multi-benefit regional project;
- Maximize the effectiveness of funds through analysis of alternatives and the selection and sequencing of actions needed to address human health and water quality related challenges and non-compliance;
- Incorporate effective innovative technologies, approaches and practices, including green infrastructure, and
- In drainage areas within the EWMP area where retention of the 85th percentile, 24-hour storm event is not feasible, the EWMP shall include a Reasonable Assurance Analysis to demonstrate that applicable water quality based effluent limitations and receiving water limitations shall be achieved through implementation of other watershed control measures."

Keys words and phrases are *watershed, collaboration, green infrastructure, multi-benefit regional projects, maximize effectiveness of funds.*

The Regional Water Board encourages EWMP Partners to utilize and build on previous work where possible, such as the watershed management plans funded through Proposition 13 and Cal-Fed and other plans which identified potential sites for multi-benefit regional projects. These plans were developed with considerable stakeholder input. Additionally, various types of dispersed "green" projects such as green alleys/streets or permeable pavement in large parking lots can help with the drainage areas tributary to the multi-benefit regional projects and are identified in the watershed plans. Green projects have been implemented at many locations at this point, so EWMP partners can benefit from the experience and lessons learned from these projects. Collaboration with Integrated Regional Water Management (IRWM) groups is also important, as these groups are implementing projects to improve the water supply, water quality, and open space/habitat.

Selection of Resources for Planning in the Dominguez Watershed:

Los Angeles County Department of Public Works, 2004. *Dominguez Watershed Management Master Plan*. http://ladpw.org/wmd/watershed/dc/DCMP/docs/Section%204%20Action%20Plan.pdf

Integrated Regional Water Management Plan

- Greater Los Angeles County Leadership Committee, 2014 (draft). *The Greater Los Angeles County Integrated Regional Water Management Plan, 2013 Update*. http://www.ladpw.org/wmd/irwmp/index.cfm?fuseaction=update2013

Attachment E

Data Sources and Data for Water Quality Analysis

PAGE INTENTIONALLY LEFT BLANK

This attachment includes a table summarizing sources of water quality data and a table that includes the data collected and the results of the data analysis. The data analysis was used to identify water quality priorities within the Dominguez Channel Watershed Management Group (DC WMG) and is provided in support of Section 2.1 of the DC WMG Enhanced Watershed Management Program (EWMP). Additionally, compliance schedules for the milestones of each of the water bodies within the DC WMA are included in this attachment.

Attachment E Table of Contents

Table E.1: Data Sources for Water Quality Analysis

Source	Monitoring Program	Monitoring Frequency	Sampling Location	Constituents	Date Range
LACDPW	Dominguez Channel MS4 NPDES Mass Emission Monitoring Program	Multiple samples taken before and after storm events annually.	Dominguez Channel S28 Sampling Station at Artesia Blvd.	Conventional, bacteria, general, nutrients, metals, semi-volatile organics, chlorinated pesticides, organophosphate pesticides, herbicides, polychlorinated biphenyls	2002-2013
LACDPW	Storm Master	Samples taken during storm events 10/2004 - 3/9/2005	Dominguez Channel S28 Sampling Station at Artesia Blvd.	Bacteria, nutrients, metals, semi-volatile organics, chlorinated pesticides, organophosphate pesticides, herbicides, polychlorinated biphenyls	2004-2005
POLA Study by AMEC	Artesia Pollutograph Study	Multiple samples before and after storm events at the following dates: 5/16/2005, 5/17/2005, 8/17/2005, 8/18/2005, 2/27/2006, 2/28/2006 and 3/17/2006.	Dominguez Channel S28 Sampling Station at Artesia Blvd.	Conventional, bacteria, general, nutrients, metals, chlorinated pesticides, polychlorinated biphenyls, polycyclic aromatic hydrocarbons	2005-2006

Table E.1: Data Sources for Water Quality Analysis

Source	Monitoring Program	Monitoring Frequency	Sampling Location	Constituents	Date Range
LABOS	Special Ammonia Sampling in Dominguez Channel	Samples taken weekly: 7/1/2009 - 8/13/2009	Dominguez Channel at: • El Segundo Blvd • Yukon Ave (tributary) • Western Ave • Vermont Ave • Carson Plaza Dr. (tributary) • Main St. (Torrance Lateral) Dominguez Channel Estuary at: • Wilmington Ave • Henry Ford Ave	Ammonia	2009
LABOS	Status and Trends Monitoring in Dominguez Channel	Monthly (Metals), Weekly (Bacteria)	Dominguez Channel at: • El Segundo Blvd • Yukon Ave. (tributary) • Western Ave. • Vermont Ave. • Carson Plaza Dr. (tributary) • Main St. (Torrance Lateral) Dominguez Channel Estuary at: • Wilmington Ave. • Henry Ford Ave.	Bacteria and Metals	2001-2009
LABOS	Machado Lake Nutrient TMDL Monitoring Program	Bi-monthly	Machado Lake at four locations (ML-1, ML-2, ML-3, ML-4)	General chemistry, ammonia and nutrients	2011-2012
LABOS	Machado Lake Water Quality Monitoring Program	Weekly	Machado Lake at four locations (ML-1, ML-2, ML-3, ML-4) and adjacent storm drains (Project 510, Project 77 and Wilmington Drain)	General chemistry, bacteria and nutrients	2006-2011

PAGE INTENTIONALLY LEFT BLANK

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Carson Plaza Dr.	Wet	Channel	Ag (sol)	µg/L	4/28/05	2/22/07	4	3	0.36	0.36	0.17	0.10	0.36	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Ag (tot)	µg/L	4/28/05	2/22/07	4	3	0.5	0.5	0.20	0.10	0.50						
Carson Plaza Dr.	Wet	Channel	As (sol)	µg/L	4/28/05	2/22/07	4	0	0.8	4.8	3.08	3.35	3.35	0	CTR	340	0.00	0 exceedances in 2 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	As (tot)	µg/L	4/28/05	2/22/07	4	0	0.9	31.6	10.08	3.90	3.90						
Carson Plaza Dr.	Wet	Channel	Ba (sol)	µg/L	4/28/05	2/22/07	4	0	18	69	47.98	52.45	52.45						
Carson Plaza Dr.	Wet	Channel	Ba (tot)	µg/L	4/28/05	2/22/07	4	0	49.4	325	128.85	70.50	70.50						
Carson Plaza Dr.	Wet	Channel	Be (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Carson Plaza Dr.	Wet	Channel	Be (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Carson Plaza Dr.	Wet	Channel	Cd (sol)	µg/L	4/28/05	2/22/07	4	3	0.165	0.165	0.15	0.15	0.17	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Cd (tot)	µg/L	4/28/05	2/22/07	4	2	0.165	0.3	0.19	0.16	0.23						
Carson Plaza Dr.	Wet	Channel	Co (sol)	µg/L	4/28/05	8/25/05	3	1	0.4	0.4	0.30	0.40	0.40						
Carson Plaza Dr.	Wet	Channel	Co (tot)	µg/L	4/28/05	8/25/05	3	0	0.4	24	8.40	0.80	0.80						
Carson Plaza Dr.	Wet	Channel	Cr (sol)	µg/L	4/28/05	2/22/07	4	0	0.34	3	1.09	0.50	0.50	0	CTR	16	0.00	0 exceedances in 2 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Cr (tot)	µg/L	4/28/05	2/22/07	4	0	0.6	70.2	18.18	0.95	0.95						
Carson Plaza Dr.	Wet	Channel	Cu (sol)	µg/L	4/28/05	2/22/07	4	0	9	11	10.25	10.50	10.50	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Carson Plaza Dr.	Wet	Channel	Cu (tot)	mg/L	4/28/05	2/22/07	4	0	12	74	32.50	22.00	22.00						
Carson Plaza Dr.	Wet	Channel	Hardness	µg/L	4/28/05	2/22/07	4	0	39.7	228	163.18	192.50	192.50						
Carson Plaza Dr.	Wet	Channel	Hg (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.01	0.01	0.00	0	TMDL	0.051	0.00	0 exceedances in 1 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Hg (tot)	µg/L	4/28/05	8/25/05	3	2	0.031	0.031	0.02	0.01	0.03						
Carson Plaza Dr.	Wet	Channel	Ni (sol)	µg/L	4/28/05	2/22/07	4	0	3.97	4	3.99	4.00	4.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Ni (tot)	µg/L	4/28/05	2/22/07	4	0	4.46	48	16.62	7.00	7.00						
Carson Plaza Dr.	Wet	Channel	Pb (sol)	µg/L	4/28/05	2/22/07	4	0	0.55	2	1.39	1.50	1.50	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Carson Plaza Dr.	Wet	Channel	Pb (tot)	µg/L	4/28/05	2/22/07	4	0	0.55	28	8.39	2.50	2.50						
Carson Plaza Dr.	Wet	Channel	Sb (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	1.00	1.00	0.00	0	CTR	4300	0.00	0 exceedances in 1 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Sb (tot)	µg/L	4/28/05	8/25/05	3	1	2	2	1.67	2.00	2.00						
Carson Plaza Dr.	Wet	Channel	Se (sol)	µg/L	4/28/05	2/22/07	4	0	0.4	0.6	0.50	0.50	0.50						
Carson Plaza Dr.	Wet	Channel	Se (tot)	µg/L	4/28/05	2/22/07	4	0	0.4	0.6	0.53	0.55	0.55						
Carson Plaza Dr.	Wet	Channel	Th (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00	0	CTR	6.3	0.00	0 exceedances in 1 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Th (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00						
Carson Plaza Dr.	Wet	Channel	Zn (sol)	µg/L	4/28/05	2/22/07	4	0	8	16	11.50	11.00	11.00	0	TMDL	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Carson Plaza Dr.	Wet	Channel	Zn (tot)	µg/L	4/28/05	2/22/07	4	0	23	174	63.25	28.00	28.00						
Carson Plaza Dr.	Dry	Channel	Ag (sol)	µg/L	3/31/05	5/26/09	35	14	0.03	0.66	0.12	0.04	0.04						
Carson Plaza Dr.	Dry	Channel	Ag (tot)	µg/L	3/31/05	5/26/09	35	14	0.03	0.49	0.13	0.10	0.08						
Carson Plaza Dr.	Dry	Channel	As (sol)	µg/L	3/31/05	5/26/09	37	0	0.8	4.4	2.01	2.06	2.06	0	CTR	150	0.00	0 exceedances in 5 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	As (tot)	µg/L	3/31/05	5/26/09	37	0	0.8	6.8	2.68	2.10	2.10						
Carson Plaza Dr.	Dry	Channel	Ba (sol)	µg/L	3/31/05	5/26/09	36	0	32.9	102	52.98	49.90	49.90						
Carson Plaza Dr.	Dry	Channel	Ba (tot)	µg/L	3/31/05	5/26/09	36	0	39	144	69.81	58.80	58.80						
Carson Plaza Dr.	Dry	Channel	Be (sol)	µg/L	3/31/05	2/24/06	9	9	0	0	0.20	0.20	0.00						
Carson Plaza Dr.	Dry	Channel	Be (tot)	µg/L	3/31/05	2/24/06	9	9	0	0	0.20	0.20	0.00						
Carson Plaza Dr.	Dry	Channel	Cd (sol)	µg/L	3/31/05	5/26/09	36	9	0.01	0.72	0.18	0.17	0.17	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Cd (tot)	µg/L	3/31/05	5/26/09	36	6	0.01	5.53	0.45	0.17	0.37						
Carson Plaza Dr.	Dry	Channel	Co (sol)	µg/L	3/31/05	2/24/06	9	2	0.2	1	0.40	0.40	0.40						
Carson Plaza Dr.	Dry	Channel	Co (tot)	µg/L	3/31/05	2/24/06	9	0	0.4	2.7	0.98	0.60	0.60						
Carson Plaza Dr.	Dry	Channel	Cr (sol)	µg/L	3/31/05	5/26/09	36	2	0.1	4.15	1.19	0.75	0.89	0	CTR	11	0.00	0 exceedances in 5 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Cr (tot)	µg/L	3/31/05	5/26/09	36	1	0.105	14.1	2.93	1.70	1.79						
Carson Plaza Dr.	Dry	Channel	Cu (sol)	µg/L	3/31/05	5/26/09	36	0	6	120	17.55	12.70	12.70	9	CTR	Hardness Dependent	0.06	9 exceedances in 5 Year(s)	25%
Carson Plaza Dr.	Dry	Channel	Cu (tot)	µg/L	3/31/05	5/26/09	36	0	7.7	178	30.11	18.50	18.50						
Carson Plaza Dr.	Dry	Channel	Hardness	mg/L	3/31/05	5/26/09	37	0	113	2230	532.35	199.00	199.00						
Carson Plaza Dr.	Dry	Channel	Hg (sol)	µg/L	3/31/05	2/24/06	9	9	0	0	0.01	0.01	0.00	0	TMDL	0.051	0.00	0 exceedances in 1 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Hg (tot)	µg/L	3/31/05	2/24/06	9	8	0.023	0.023	0.01	0.01	0.02						
Carson Plaza Dr.	Dry	Channel	Ni (sol)	µg/L	3/31/05	5/26/09	35	0	2	12.2	4.86	3.85	3.85	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Ni (tot)	µg/L	3/31/05	5/26/09	36	0	1.97	14.8	6.58	4.93	4.93						
Carson Plaza Dr.	Dry	Channel	Pb (sol)	µg/L	3/31/05	5/26/09	36	11	0.055	6	1.05	0.55	0.72	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Pb (tot)	µg/L	3/31/05	5/26/09	36	3	0.53	81.4	7.36	1.92	2.00						
Carson Plaza Dr.	Dry	Channel	Sb (sol)	µg/L	3/31/05	2/24/06	9	5	2	3	1.78	1.00	3.00	0	CTR	4300	0.00	0 exceedances in 1 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Sb (tot)	µg/L	3/31/05	2/24/06	9	5	2	4	1.78	1.00	2.50						
Carson Plaza Dr.	Dry	Channel	Se (sol)	µg/L	3/31/05	5/26/09	37	0	0.2	8.8	1.79	0.60	0.60						

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Carson Plaza Dr.	Dry	Channel	Se (tot)	µg/L	3/31/05	5/26/09	37	0	0.2	8.7	1.86	0.60	0.60	7	CTR	5	0.05	7 exceedances in 5 Year(s)	19%
Carson Plaza Dr.	Dry	Channel	Th (sol)	µg/L	3/31/05	2/24/06	9	5	1	2	0.83	0.50	1.00	0	CTR	6.3	0.00	0 exceedances in 1 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Th (tot)	µg/L	3/31/05	2/24/06	9	7	1	2	0.72	0.50	1.50						
Carson Plaza Dr.	Dry	Channel	Zn (sol)	µg/L	3/31/05	5/26/09	36	0	7	109	24.48	18.90	18.90	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Carson Plaza Dr.	Dry	Channel	Zn (tot)	µg/L	3/31/05	5/26/09	36	0	13	326	70.63	42.55	42.55						
El Segundo Blvd.	Wet	Channel	Ag (sol)	mg/L	7/25/02	2/22/07	11	10	0.68	0.68	0.34	0.13	0.68	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
El Segundo Blvd.	Wet	Channel	Ag (tot)	µg/L	7/25/02	2/22/07	11	9	0.2	0.61	0.34	0.13	0.41						
El Segundo Blvd.	Wet	Channel	As (sol)	µg/L	7/25/02	2/22/07	11	0	1	5.6	3.05	3.20	3.20	0	CTR	340	0.00	0 exceedances in 5 Year(s)	0%
El Segundo Blvd.	Wet	Channel	As (tot)	µg/L	7/25/02	2/22/07	11	0	1.1	15.8	4.50	3.60	3.60						
El Segundo Blvd.	Wet	Channel	Ba (sol)	µg/L	7/25/02	2/22/07	11	0	15	59	38.22	41.90	41.90						
El Segundo Blvd.	Wet	Channel	Ba (tot)	µg/L	7/25/02	2/22/07	11	0	29	171	63.71	58.00	58.00						
El Segundo Blvd.	Wet	Channel	Be (sol)	µg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
El Segundo Blvd.	Wet	Channel	Be (tot)	µg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
El Segundo Blvd.	Wet	Channel	Cd (sol)	µg/L	7/25/02	2/22/07	11	8	0.165	0.9	0.28	0.17	0.30	1	CTR	Hardness Dependent	0.02	1 exceedances in 5 Year(s)	9%
El Segundo Blvd.	Wet	Channel	Cd (tot)	µg/L	7/25/02	2/22/07	11	7	0.3	0.5	0.30	0.30	0.42						
El Segundo Blvd.	Wet	Channel	Co (sol)	µg/L	7/25/02	8/25/05	10	6	0.2	1	2.24	0.25	0.35						
El Segundo Blvd.	Wet	Channel	Co (tot)	µg/L	7/25/02	8/25/05	10	3	0.3	9.37	3.39	0.75	0.70						
El Segundo Blvd.	Wet	Channel	Cr (sol)	µg/L	7/25/02	2/22/07	11	2	0.59	3.1	1.32	1.00	1.00	0	CTR	16	0.00	0 exceedances in 5 Year(s)	0%
El Segundo Blvd.	Wet	Channel	Cr (tot)	µg/L	7/25/02	2/22/07	11	0	0.7	29.8	9.20	3.90	3.90						
El Segundo Blvd.	Wet	Channel	Cu (sol)	µg/L	7/25/02	2/22/07	11	1	7.9	39	17.59	12.00	16.50	5	TMDL	Hardness Dependent	0.10	5 exceedances in 5 Year(s)	45%
El Segundo Blvd.	Wet	Channel	Cu (tot)	µg/L	7/25/02	2/22/07	11	1	6.4	65.3	27.83	24.00	28.50						
El Segundo Blvd.	Wet	Channel	Hardness	µg/L	2/26/04	2/22/07	8	0	17	188	112.56	135.00	135.00						
El Segundo Blvd.	Wet	Channel	Hg (sol)	µg/L	7/25/02	8/25/05	10	6	0.02	0.1	0.03	0.01	0.05	2	TMDL	0.051	0.06	2 exceedances in 4 Year(s)	20%
El Segundo Blvd.	Wet	Channel	Hg (tot)	µg/L	7/25/02	8/25/05	10	6	0.04	0.1	0.03	0.01	0.07						
El Segundo Blvd.	Wet	Channel	Ni (sol)	µg/L	7/25/02	2/22/07	11	2	1.39	6	3.91	4.40	5.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
El Segundo Blvd.	Wet	Channel	Ni (tot)	µg/L	7/25/02	2/22/07	11	2	2.51	19.7	6.36	6.00	6.00						
El Segundo Blvd.	Wet	Channel	Pb (sol)	µg/L	7/25/02	2/22/07	11	6	0.55	19	5.09	2.00	2.00	2	TMDL	Hardness Dependent	0.04	2 exceedances in 5 Year(s)	18%
El Segundo Blvd.	Wet	Channel	Pb (tot)	µg/L	7/25/02	2/22/07	11	3	0.55	46	9.62	5.00	5.50						
El Segundo Blvd.	Wet	Channel	Sb (sol)	µg/L	7/25/02	8/25/05	10	3	2	5	3.29	3.50	3.00	0	CTR	4300	0.00	0 exceedances in 4 Year(s)	0%
El Segundo Blvd.	Wet	Channel	Sb (tot)	µg/L	7/25/02	8/25/05	10	3	2	5	3.10	3.00	3.00						
El Segundo Blvd.	Wet	Channel	Se (sol)	µg/L	7/25/02	2/22/07	11	3	0.2	0.9	0.33	0.30	0.40						
El Segundo Blvd.	Wet	Channel	Se (tot)	µg/L	7/25/02	2/22/07	11	0	0.2	0.9	0.43	0.40	0.40						
El Segundo Blvd.	Wet	Channel	Th (sol)	µg/L	7/25/02	8/25/05	9	6	1	4	1.54	1.00	2.00	0	CTR	6.3	0.00	0 exceedances in 4 Year(s)	0%
El Segundo Blvd.	Wet	Channel	Th (tot)	µg/L	7/25/02	8/25/05	10	8	1	1	0.99	0.55	1.00						
El Segundo Blvd.	Wet	Channel	Zn (sol)	µg/L	7/25/02	2/22/07	11	2	18.5	178	44.19	32.00	32.00	3	TMDL	Hardness Dependent	0.06	3 exceedances in 5 Year(s)	27%
El Segundo Blvd.	Wet	Channel	Zn (tot)	µg/L	7/25/02	2/22/07	11	2	20.3	310	97.68	90.00	90.00						
El Segundo Blvd.	Dry	Channel	Ag (sol)	µg/L	4/26/01	5/26/09	82	50	0.03	0.8	0.44	0.13	0.09						
El Segundo Blvd.	Dry	Channel	Ag (tot)	µg/L	4/26/01	5/26/09	82	49	0.03	2.07	0.47	0.13	0.04						
El Segundo Blvd.	Dry	Channel	As (sol)	µg/L	4/26/01	5/26/09	84	6	0.4	8.38	2.60	2.15	2.10	0	CTR	150	0.00	0 exceedances in 9 Year(s)	0%
El Segundo Blvd.	Dry	Channel	As (tot)	µg/L	4/26/01	5/26/09	84	4	0.4	35.6	3.46	2.60	2.52						
El Segundo Blvd.	Dry	Channel	Ba (sol)	µg/L	4/26/01	5/26/09	83	1	18.5	97.4	47.45	41.20	41.60						
El Segundo Blvd.	Dry	Channel	Ba (tot)	µg/L	4/26/01	5/26/09	83	1	20.8	248	59.23	51.00	51.35						
El Segundo Blvd.	Dry	Channel	Be (sol)	µg/L	4/26/01	2/24/06	46	43	0.025	0.08	0.20	0.20	0.06						
El Segundo Blvd.	Dry	Channel	Be (tot)	µg/L	4/26/01	2/24/06	47	42	0.008	6.3	0.33	0.20	0.04						
El Segundo Blvd.	Dry	Channel	Cd (sol)	µg/L	4/26/01	5/26/09	82	42	0.01	1.1	0.26	0.17	0.17	0	CTR	Hardness Dependent	0.00	0 exceedances in 9 Year(s)	0%
El Segundo Blvd.	Dry	Channel	Cd (tot)	mg/L	4/26/01	5/26/09	83	35	0.01	6.2	0.38	0.30	0.30						
El Segundo Blvd.	Dry	Channel	Co (sol)	µg/L	4/26/01	2/24/06	45	35	0.2	0.6	2.88	0.25	0.30						
El Segundo Blvd.	Dry	Channel	Co (tot)	µg/L	4/26/01	2/24/06	45	30	0.2	5.2	3.12	0.60	0.60						
El Segundo Blvd.	Dry	Channel	Cr (sol)	µg/L	4/26/01	5/26/09	83	24	0.045	18	1.73	1.00	1.10	1	CTR	11	0.00	1 exceedances in 9 Year(s)	1%
El Segundo Blvd.	Dry	Channel	Cr (tot)	µg/L	4/26/01	5/26/09	83	14	0.045	33	4.86	2.07	2.51						
El Segundo Blvd.	Dry	Channel	Cu (sol)	µg/L	4/26/01	5/26/09	83	6	4	442	19.10	13.00	13.00	35	CTR	Hardness Dependent	0.05	35 exceedances in 9 Year(s)	42%
El Segundo Blvd.	Dry	Channel	Cu (tot)	µg/L	4/26/01	5/26/09	83	6	4	795	30.05	18.00	20.00						
El Segundo Blvd.	Dry	Channel	Hardness	µg/L	1/29/04	5/26/09	56	0	84.7	302	183.04	173.00	173.00						
El Segundo Blvd.	Dry	Channel	Hg (sol)	µg/L	4/26/01	2/24/06	46	35	0.03	0.17	0.05	0.01	0.07	8	TMDL	0.051	0.04	8 exceedances in 5 Year(s)	17%
El Segundo Blvd.	Dry	Channel	Hg (tot)	µg/L	4/26/01	2/24/06	46	34	0.027	0.17	0.05	0.01	0.08						
El Segundo Blvd.	Dry	Channel	Ni (sol)	µg/L	4/26/01	5/26/09	81	18	0.9	34	4.21	4.00	4.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 9 Year(s)	0%
El Segundo Blvd.	Dry	Channel	Ni (tot)	µg/L	4/26/01	5/26/09	83	15	0.9	41.1	5.74	4.68	4.59						

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
El Segundo Blvd.	Dry	Channel	Pb (sol)	µg/L	4/26/01	5/26/09	81	34	0.055	28	2.83	1.40	1.04	8	CTR	Hardness Dependent	0.01	8 exceedances in 9 Year(s)	10%
El Segundo Blvd.	Dry	Channel	Pb (tot)	µg/L	4/26/01	5/26/09	83	24	0.055	96	6.95	4.00	4.00						
El Segundo Blvd.	Dry	Channel	Sb (sol)	µg/L	4/26/01	2/24/06	47	33	1.3	12.3	3.01	2.50	3.00	0	CTR	4300	0.00	0 exceedances in 5 Year(s)	0%
El Segundo Blvd.	Dry	Channel	Sb (tot)	µg/L	4/26/01	2/24/06	47	34	1.8	24.6	3.45	2.50	3.00						
El Segundo Blvd.	Dry	Channel	Se (sol)	µg/L	5/31/01	5/26/09	82	11	0.1	2.2	0.83	0.40	0.40						
El Segundo Blvd.	Dry	Channel	Se (tot)	µg/L	5/31/01	5/26/09	82	10	0.1	2.28	0.87	0.50	0.50	0	CTR	5	0.00	0 exceedances in 8 Year(s)	0%
El Segundo Blvd.	Dry	Channel	Th (sol)	µg/L	4/26/01	2/24/06	47	36	1	9.5	2.70	2.00	3.00	2	CTR	6.3	0.01	2 exceedances in 5 Year(s)	4%
El Segundo Blvd.	Dry	Channel	Th (tot)	µg/L	4/26/01	2/24/06	47	38	1.2	6	2.61	2.50	4.00						
El Segundo Blvd.	Dry	Channel	Va(sol)	µg/L	4/26/01	5/31/01	2	1	6.1	6.1	4.30	4.30	6.10						
El Segundo Blvd.	Dry	Channel	Va(tot)	µg/L	4/26/01	5/31/01	2	1	6.1	6.1	4.30	4.30	6.10						
El Segundo Blvd.	Dry	Channel	Zn (sol)	µg/L	4/26/01	5/26/09	82	7	2.4	120	27.71	20.00	22.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 9 Year(s)	0%
El Segundo Blvd.	Dry	Channel	Zn (tot)	µg/L	4/26/01	5/26/09	83	6	8	445	67.93	50.00	53.40						
Main St.	Wet	Channel	Ag (sol)	µg/L	4/28/05	2/22/07	4	3	0.36	0.36	0.17	0.10	0.36	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Wet	Channel	Ag (tot)	µg/L	4/28/05	2/22/07	4	3	0.48	0.48	0.20	0.10	0.48						
Main St.	Wet	Channel	As (sol)	µg/L	4/28/05	2/22/07	4	0	0.4	3.5	2.48	3.00	3.00	0	CTR	340	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Wet	Channel	As (tot)	µg/L	4/28/05	2/22/07	4	0	0.5	3.7	2.58	3.05	3.05						
Main St.	Wet	Channel	Ba (sol)	µg/L	4/28/05	2/22/07	4	0	20	82	52.70	54.40	54.40						
Main St.	Wet	Channel	Ba (tot)	µg/L	4/28/05	2/22/07	4	0	27	82	56.80	59.10	59.10						
Main St.	Wet	Channel	Be (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Main St.	Wet	Channel	Be (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Main St.	Wet	Channel	Cd (sol)	µg/L	4/28/05	2/22/07	4	1	0.165	2.1	0.68	0.23	0.30	1	CTR	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Main St.	Wet	Channel	Cd (tot)	µg/L	4/28/05	2/22/07	4	1	0.165	0.5	0.30	0.28	0.40						
Main St.	Wet	Channel	Co (sol)	µg/L	4/28/05	8/25/05	3	0	0.2	0.6	0.40	0.40	0.40						
Main St.	Wet	Channel	Co (tot)	µg/L	4/28/05	8/25/05	3	0	0.3	0.5	0.40	0.40	0.40						
Main St.	Wet	Channel	Cr (sol)	µg/L	4/28/05	2/22/07	4	0	0.4	2.6	1.01	0.52	0.52	0	CTR	16	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Wet	Channel	Cr (tot)	µg/L	4/28/05	2/22/07	4	0	0.08	3.9	1.33	0.66	0.66						
Main St.	Wet	Channel	Cu (sol)	µg/L	4/28/05	2/22/07	4	0	8	15	12.75	14.00	14.00	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Main St.	Wet	Channel	Cu (tot)	µg/L	4/28/05	2/22/07	4	0	12	36	23.75	23.50	23.50						
Main St.	Wet	Channel	Hardness	µg/L	4/28/05	2/22/07	4	0	41.7	291	181.68	197.00	197.00						
Main St.	Wet	Channel	Hg (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.01	0.01	0.00	0	TMDL	0.051	0.00	0 exceedances in 1 Year(s)	0%
Main St.	Wet	Channel	Hg (tot)	µg/L	4/28/05	8/25/05	3	2	0.022	0.022	0.01	0.01	0.02						
Main St.	Wet	Channel	Ni (sol)	µg/L	4/28/05	2/22/07	4	0	3.87	6	4.72	4.50	4.50	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Wet	Channel	Ni (tot)	mg/L	4/28/05	2/22/07	4	0	3.65	6	5.16	5.50	5.50						
Main St.	Wet	Channel	Pb (sol)	µg/L	4/28/05	2/22/07	4	0	0.55	4	2.39	2.50	2.50	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Main St.	Wet	Channel	Pb (tot)	µg/L	4/28/05	2/22/07	4	0	0.55	6	2.89	2.50	2.50						
Main St.	Wet	Channel	Sb (sol)	µg/L	4/28/05	8/25/05	3	1	2	3	2.00	2.00	2.50	0	CTR	4300	0.00	0 exceedances in 1 Year(s)	0%
Main St.	Wet	Channel	Sb (tot)	µg/L	4/28/05	8/25/05	3	2	3	3	1.67	1.00	3.00						
Main St.	Wet	Channel	Se (sol)	µg/L	4/28/05	2/22/07	4	0	0.4	0.5	0.43	0.40	0.40						
Main St.	Wet	Channel	Se (tot)	µg/L	4/28/05	2/22/07	4	0	0.4	0.6	0.45	0.40	0.40						
Main St.	Wet	Channel	Th (sol)	µg/L	4/28/05	8/25/05	3	1	1	1	0.83	1.00	1.00	0	CTR	6.3	0.00	0 exceedances in 1 Year(s)	0%
Main St.	Wet	Channel	Th (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00						
Main St.	Wet	Channel	Zn (sol)	µg/L	4/28/05	2/22/07	4	0	15	72	32.50	21.50	21.50	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Main St.	Wet	Channel	Zn (tot)	µg/L	4/28/05	2/22/07	4	0	29	101	50.25	35.50	35.50						
Main St.	Dry	Channel	Ag (sol)	µg/L	1/27/05	5/26/09	46	17	0.03	0.87	0.12	0.04	0.04						
Main St.	Dry	Channel	Ag (tot)	µg/L	1/27/05	5/26/09	46	16	0.03	4.18	0.18	0.06	0.04						
Main St.	Dry	Channel	As (sol)	µg/L	1/27/05	5/26/09	48	0	1	7.7	2.91	2.75	2.75	0	CTR	150	0.00	0 exceedances in 5 Year(s)	0%
Main St.	Dry	Channel	As (tot)	µg/L	1/27/05	5/26/09	48	0	1.1	106	5.45	3.10	3.10						
Main St.	Dry	Channel	Ba (sol)	µg/L	1/27/05	5/26/09	47	0	23	143	68.14	65.00	65.00						
Main St.	Dry	Channel	Ba (tot)	µg/L	1/27/05	5/26/09	47	0	29	4510	180.95	74.70	74.70						
Main St.	Dry	Channel	Be (sol)	µg/L	1/27/05	2/24/06	11	11	0	0	0.20	0.20	0.00						
Main St.	Dry	Channel	Be (tot)	µg/L	1/27/05	2/24/06	11	9	0.4	0.7	0.26	0.20	0.55						
Main St.	Dry	Channel	Cd (sol)	µg/L	1/27/05	5/26/09	47	9	0.01	0.8	0.22	0.17	0.17	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Main St.	Dry	Channel	Cd (tot)	µg/L	1/27/05	5/26/09	47	4	0.01	22.5	0.79	0.17	0.29						
Main St.	Dry	Channel	Co (sol)	µg/L	1/27/05	2/24/06	11	0	0.4	1.9	0.76	0.70	0.70						
Main St.	Dry	Channel	Co (tot)	µg/L	1/27/05	2/24/06	11	0	0.2	19.9	3.23	0.80	0.80						
Main St.	Dry	Channel	Cr (sol)	µg/L	1/27/05	5/26/09	47	2	0.045	5.17	1.36	1.00	1.09	0	CTR	11	0.00	0 exceedances in 5 Year(s)	0%
Main St.	Dry	Channel	Cr (tot)	µg/L	1/27/05	5/26/09	47	2	0.045	456	13.27	1.39	1.49						

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Main St.	Dry	Channel	Cu (sol)	µg/L	1/27/05	5/26/09	47	0	4.25	36	14.58	12.30	12.30	16	CTR	Hardness Dependent	0.08	16 exceedances in 5 Year(s)	34%
Main St.	Dry	Channel	Cu (tot)	µg/L	1/27/05	5/26/09	47	0	8.47	1010	43.56	16.90	16.90						
Main St.	Dry	Channel	Hardness	µg/L	1/27/05	5/26/09	48	0	65.8	446	235.20	225.00	225.00						
Main St.	Dry	Channel	Hg (sol)	µg/L	1/27/05	2/24/06	11	11	0	0	0.01	0.01	0.00	0	TMDL	0.051	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Dry	Channel	Hg (tot)	µg/L	1/27/05	2/24/06	11	10	0.106	0.106	0.02	0.01	0.11						
Main St.	Dry	Channel	Ni (sol)	µg/L	1/27/05	5/26/09	47	0	0.1	9.75	5.00	5.00	5.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Main St.	Dry	Channel	Ni (tot)	µg/L	1/27/05	5/26/09	47	0	3	367	14.54	5.23	5.23						
Main St.	Dry	Channel	Pb (sol)	µg/L	1/27/05	5/26/09	47	6	0.055	27	1.83	0.93	1.00	2	CTR	Hardness Dependent	0.01	2 exceedances in 5 Year(s)	4%
Main St.	Dry	Channel	Pb (tot)	µg/L	1/27/05	5/26/09	47	2	0.055	955	25.80	2.00	2.00						
Main St.	Dry	Channel	Sb (sol)	µg/L	1/27/05	2/24/06	11	6	2	5	2.00	1.00	3.00	0	CTR	4300	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Dry	Channel	Sb (tot)	µg/L	1/27/05	2/24/06	11	6	2	5	2.09	1.00	4.00						
Main St.	Dry	Channel	Se (sol)	µg/L	1/27/05	5/26/09	48	0	0.1	1.3	0.53	0.40	0.40						
Main St.	Dry	Channel	Se (tot)	µg/L	1/27/05	5/26/09	48	0	0.1	3.5	0.64	0.45	0.45	0	CTR	5	0.00	0 exceedances in 5 Year(s)	0%
Main St.	Dry	Channel	Th (sol)	mg/L	1/27/05	2/24/06	11	8	2	2	0.91	0.50	2.00	0	CTR	6.3	0.00	0 exceedances in 2 Year(s)	0%
Main St.	Dry	Channel	Th (tot)	µg/L	1/27/05	2/24/06	11	7	1	2	0.77	0.50	1.00						
Main St.	Dry	Channel	Zn (sol)	µg/L	1/27/05	5/26/09	47	0	4	95.8	27.99	24.00	24.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Main St.	Dry	Channel	Zn (tot)	µg/L	1/27/05	5/26/09	47	0	18.5	3500	138.40	40.00	40.00						
Vermont Ave.	Wet	Channel	Ag (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.10	0.10	0.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 1 Year(s)	0%
Vermont Ave.	Wet	Channel	Ag (tot)	µg/L	4/28/05	2/22/07	4	3	0.54	0.54	0.21	0.10	0.54						
Vermont Ave.	Wet	Channel	As (sol)	µg/L	4/28/05	2/22/07	4	0	0.4	1.7	1.23	1.40	1.40	0	CTR	340	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Wet	Channel	As (tot)	µg/L	4/28/05	2/22/07	4	0	0.5	3.5	1.85	1.70	1.70						
Vermont Ave.	Wet	Channel	Ba (sol)	µg/L	4/28/05	2/22/07	4	0	15	91.5	62.13	71.00	71.00						
Vermont Ave.	Wet	Channel	Ba (tot)	µg/L	4/28/05	2/22/07	4	0	52	95.2	75.30	77.00	77.00						
Vermont Ave.	Wet	Channel	Be (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Vermont Ave.	Wet	Channel	Be (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Vermont Ave.	Wet	Channel	Cd (sol)	µg/L	4/28/05	2/22/07	4	1	0.165	0.5	0.30	0.28	0.40	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Wet	Channel	Cd (tot)	µg/L	4/28/05	2/22/07	4	1	0.165	0.3	0.23	0.23	0.30						
Vermont Ave.	Wet	Channel	Co (sol)	µg/L	4/28/05	8/25/05	3	2	0.2	0.2	0.13	0.10	0.20						
Vermont Ave.	Wet	Channel	Co (tot)	µg/L	4/28/05	8/25/05	3	0	0.2	2.2	0.90	0.30	0.30						
Vermont Ave.	Wet	Channel	Cr (sol)	µg/L	4/28/05	2/22/07	4	0	0.6	1.4	1.05	1.09	1.09	0	CTR	16	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Wet	Channel	Cr (tot)	mg/L	4/28/05	2/22/07	4	0	0.54	6.3	2.36	1.30	1.30						
Vermont Ave.	Wet	Channel	Cu (sol)	µg/L	4/28/05	2/22/07	4	0	8	14	10.75	10.50	10.50	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Vermont Ave.	Wet	Channel	Cu (tot)	µg/L	4/28/05	2/22/07	4	0	9	30	17.50	15.50	15.50						
Vermont Ave.	Wet	Channel	Hardness	µg/L	4/28/05	2/22/07	4	0	32.7	351	235.93	280.00	280.00						
Vermont Ave.	Wet	Channel	Hg (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.01	0.01	0.00	0	TMDL	0.051	0.00	0 exceedances in 1 Year(s)	0%
Vermont Ave.	Wet	Channel	Hg (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.01	0.01	0.00						
Vermont Ave.	Wet	Channel	Ni (sol)	µg/L	4/28/05	2/22/07	4	0	2	5	3.25	3.00	3.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Wet	Channel	Ni (tot)	µg/L	4/28/05	2/22/07	4	0	3	6	4.90	5.30	5.30						
Vermont Ave.	Wet	Channel	Pb (sol)	µg/L	4/28/05	2/22/07	3	1	0.55	1	0.68	0.55	0.78	1	TMDL	Hardness Dependent	0.18	1 exceedances in 2 Year(s)	33%
Vermont Ave.	Wet	Channel	Pb (tot)	µg/L	4/28/05	2/22/07	4	0	0.55	8	2.89	1.50	1.50						
Vermont Ave.	Wet	Channel	Sb (sol)	µg/L	4/28/05	8/25/05	3	2	2	2	1.33	1.00	2.00	0	CTR	4300	0.00	0 exceedances in 1 Year(s)	0%
Vermont Ave.	Wet	Channel	Sb (tot)	µg/L	4/28/05	8/25/05	3	2	3	3	1.67	1.00	3.00						
Vermont Ave.	Wet	Channel	Se (sol)	µg/L	4/28/05	2/22/07	4	0	0.2	0.8	0.43	0.35	0.35						
Vermont Ave.	Wet	Channel	Se (tot)	µg/L	4/28/05	2/22/07	4	0	0.2	0.9	0.45	0.35	0.35						
Vermont Ave.	Wet	Channel	Th (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00	0	CTR	6.3	0.00	0 exceedances in 1 Year(s)	0%
Vermont Ave.	Wet	Channel	Th (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00						
Vermont Ave.	Wet	Channel	Zn (sol)	µg/L	4/28/05	2/22/07	4	0	15	42	26.50	24.50	24.50	0	TMDL	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Wet	Channel	Zn (tot)	µg/L	4/28/05	2/22/07	4	0	28	111	57.25	45.00	45.00						
Vermont Ave.	Dry	Channel	Ag (sol)	µg/L	1/27/05	5/26/09	46	17	0.03	0.72	0.11	0.04	0.04						
Vermont Ave.	Dry	Channel	Ag (tot)	µg/L	1/27/05	5/26/09	46	17	0.03	0.65	0.13	0.04	0.04						
Vermont Ave.	Dry	Channel	As (sol)	µg/L	1/27/05	5/26/09	48	0	0.2	8.07	1.57	1.31	1.31	0	CTR	150	0.00	0 exceedances in 5 Year(s)	0%
Vermont Ave.	Dry	Channel	As (tot)	µg/L	1/27/05	5/26/09	48	0	0.5	8.01	1.92	1.53	1.53						
Vermont Ave.	Dry	Channel	Ba (sol)	µg/L	1/27/05	5/26/09	47	0	19.8	95.5	63.88	60.50	60.50						
Vermont Ave.	Dry	Channel	Ba (tot)	µg/L	1/27/05	5/26/09	47	0	36	248	78.51	76.00	76.00						
Vermont Ave.	Dry	Channel	Be (sol)	µg/L	1/27/05	2/24/06	11	11	0	0	0.20	0.20	0.00						
Vermont Ave.	Dry	Channel	Be (tot)	µg/L	1/27/05	2/24/06	11	11	0	0	0.20	0.20	0.00						
Vermont Ave.	Dry	Channel	Cd (sol)	µg/L	1/27/05	5/26/09	47	14	0.01	1.23	0.18	0.15	0.07	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Vermont Ave.	Dry	Channel	Cd (tot)	µg/L	1/27/05	5/26/09	47	9	0.01	1.71	0.33	0.17	0.23						
Vermont Ave.	Dry	Channel	Co (sol)	µg/L	1/27/05	2/24/06	11	3	0.2	0.5	0.29	0.30	0.40						
Vermont Ave.	Dry	Channel	Co (tot)	µg/L	1/27/05	2/24/06	11	2	0.2	1.7	0.52	0.40	0.60						
Vermont Ave.	Dry	Channel	Cr (sol)	µg/L	1/27/05	5/26/09	47	3	0.045	12.1	1.50	1.01	1.09	1	CTR	11	0.00	1 exceedances in 5 Year(s)	2%
Vermont Ave.	Dry	Channel	Cr (tot)	µg/L	1/27/05	5/26/09	47	2	0.045	22.1	2.90	1.80	1.90						
Vermont Ave.	Dry	Channel	Cu (sol)	µg/L	1/27/05	5/26/09	47	0	2.98	29	13.20	13.00	13.00	7	CTR	Hardness Dependent	0.03	7 exceedances in 5 Year(s)	15%
Vermont Ave.	Dry	Channel	Cu (tot)	µg/L	1/27/05	5/26/09	47	0	4.07	90	20.38	16.10	16.10						
Vermont Ave.	Dry	Channel	Hardness	µg/L	1/27/05	5/26/09	48	0	87.1	2770	555.88	298.00	298.00						
Vermont Ave.	Dry	Channel	Hg (sol)	µg/L	1/27/05	2/24/06	11	10	0.03	0.03	0.01	0.01	0.03	0	TMDL	0.051	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Dry	Channel	Hg (tot)	mg/L	1/27/05	2/24/06	11	9	0.022	0.035	0.01	0.01	0.03						
Vermont Ave.	Dry	Channel	Ni (sol)	µg/L	1/27/05	5/26/09	47	0	0.1	8.9	4.22	4.04	4.04	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Vermont Ave.	Dry	Channel	Ni (tot)	µg/L	1/27/05	5/26/09	47	0	2	18.5	5.58	5.05	5.05						
Vermont Ave.	Dry	Channel	Pb (sol)	µg/L	1/27/05	5/26/09	47	13	0.055	11.5	0.96	0.55	0.55	1	CTR	Hardness Dependent	0.00	1 exceedances in 5 Year(s)	2%
Vermont Ave.	Dry	Channel	Pb (tot)	µg/L	1/27/05	5/26/09	47	5	0.055	25.7	3.22	1.44	1.85						
Vermont Ave.	Dry	Channel	Sb (sol)	µg/L	1/27/05	2/24/06	11	6	2	5	1.91	1.00	2.00	0	CTR	4300	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Dry	Channel	Sb (tot)	µg/L	1/27/05	2/24/06	11	8	2	4	1.64	1.00	4.00						
Vermont Ave.	Dry	Channel	Se (sol)	µg/L	1/27/05	5/26/09	48	1	0.1	1.05	0.41	0.40	0.40						
Vermont Ave.	Dry	Channel	Se (tot)	µg/L	1/27/05	5/26/09	48	0	0.1	1.1	0.44	0.40	0.40	0	CTR	5	0.00	0 exceedances in 5 Year(s)	0%
Vermont Ave.	Dry	Channel	Th (sol)	µg/L	1/27/05	2/24/06	11	6	1	5	1.36	0.50	2.00	0	CTR	6.3	0.00	0 exceedances in 2 Year(s)	0%
Vermont Ave.	Dry	Channel	Th (tot)	µg/L	1/27/05	2/24/06	11	6	1	5	1.55	0.50	2.00						
Vermont Ave.	Dry	Channel	Zn (sol)	µg/L	1/27/05	5/26/09	47	0	3.27	57	28.26	27.00	27.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Vermont Ave.	Dry	Channel	Zn (tot)	µg/L	1/27/05	5/26/09	47	0	23.5	296	67.22	48.00	48.00						
Western Ave.	Wet	Channel	Ag (sol)	µg/L	7/25/02	2/22/07	11	10	0.55	0.55	0.33	0.13	0.55	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Western Ave.	Wet	Channel	Ag (tot)	µg/L	7/25/02	2/22/07	11	10	0.93	0.93	0.36	0.13	0.93						
Western Ave.	Wet	Channel	As (sol)	mg/L	7/25/02	2/22/07	11	0	0.3	4.9	2.23	1.70	1.70	0	CTR	340	0.00	0 exceedances in 5 Year(s)	0%
Western Ave.	Wet	Channel	As (tot)	µg/L	7/25/02	2/22/07	11	0	0.3	5.3	2.57	2.20	2.20						
Western Ave.	Wet	Channel	Ba (sol)	µg/L	7/25/02	2/22/07	11	0	16	96.9	44.84	40.00	40.00						
Western Ave.	Wet	Channel	Ba (tot)	µg/L	7/25/02	2/22/07	11	0	34	104	57.67	44.90	44.90						
Western Ave.	Wet	Channel	Be (sol)	µg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
Western Ave.	Wet	Channel	Be (tot)	µg/L	7/25/02	8/25/05	10	9	1.1	1.1	0.25	0.20	1.10						
Western Ave.	Wet	Channel	Cd (sol)	µg/L	7/25/02	2/22/07	11	10	0.165	0.165	0.18	0.15	0.17	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Western Ave.	Wet	Channel	Cd (tot)	µg/L	7/25/02	2/22/07	11	5	0.165	1.8	0.40	0.30	0.35						
Western Ave.	Wet	Channel	Co (sol)	µg/L	7/25/02	8/25/05	10	7	0.2	1.1	2.24	0.16	0.50						
Western Ave.	Wet	Channel	Co (tot)	µg/L	7/25/02	8/25/05	10	3	0.3	2.2	2.68	0.82	0.73						
Western Ave.	Wet	Channel	Cr (sol)	µg/L	7/25/02	2/22/07	11	2	0.42	2	1.07	0.70	1.40	0	CTR	16	0.00	0 exceedances in 5 Year(s)	0%
Western Ave.	Wet	Channel	Cr (tot)	µg/L	7/25/02	2/22/07	11	0	0.5	28	7.33	3.60	3.60						
Western Ave.	Wet	Channel	Cu (sol)	µg/L	7/25/02	2/22/07	11	0	5.3	30	12.49	9.00	9.00	4	TMDL	Hardness Dependent	0.08	4 exceedances in 5 Year(s)	36%
Western Ave.	Wet	Channel	Cu (tot)	µg/L	7/25/02	2/22/07	11	0	6.5	39	17.82	15.00	15.00						
Western Ave.	Wet	Channel	Hardness	µg/L	2/26/04	2/22/07	8	0	36.6	369	172.09	170.50	170.50						
Western Ave.	Wet	Channel	Hg (sol)	µg/L	7/25/02	8/25/05	10	6	0.02	0.1	0.03	0.01	0.05	2	TMDL	0.051	0.06	2 exceedances in 4 Year(s)	20%
Western Ave.	Wet	Channel	Hg (tot)	µg/L	7/25/02	8/25/05	10	3	0.028	0.12	0.04	0.03	0.04						
Western Ave.	Wet	Channel	Ni (sol)	µg/L	7/25/02	2/22/07	11	2	1.7	5	2.82	2.68	3.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Western Ave.	Wet	Channel	Ni (tot)	µg/L	7/25/02	2/22/07	11	2	2.12	6	4.04	3.65	4.00						
Western Ave.	Wet	Channel	Pb (sol)	µg/L	7/25/02	2/22/07	11	6	0.55	16.5	3.85	1.50	2.00	3	TMDL	Hardness Dependent	0.06	3 exceedances in 5 Year(s)	27%
Western Ave.	Wet	Channel	Pb (tot)	µg/L	7/25/02	2/22/07	11	3	0.55	18.7	7.00	5.00	8.50						
Western Ave.	Wet	Channel	Sb (sol)	µg/L	7/25/02	8/25/05	10	5	2	3.3	2.39	2.00	2.00	0	CTR	4300	0.00	0 exceedances in 4 Year(s)	0%
Western Ave.	Wet	Channel	Sb (tot)	µg/L	7/25/02	8/25/05	10	6	2	4	2.39	2.00	2.90						
Western Ave.	Wet	Channel	Se (sol)	µg/L	7/25/02	2/22/07	11	2	0.2	0.9	0.39	0.30	0.40						
Western Ave.	Wet	Channel	Se (tot)	µg/L	7/25/02	2/22/07	11	0	0.2	0.9	0.46	0.40	0.40						
Western Ave.	Wet	Channel	Th (sol)	µg/L	7/25/02	8/25/05	10	10	0	0	0.90	0.55	0.00	0	CTR	6.3	0.00	0 exceedances in 4 Year(s)	0%
Western Ave.	Wet	Channel	Th (tot)	µg/L	7/25/02	8/25/05	10	10	0	0	0.90	0.55	0.00						
Western Ave.	Wet	Channel	Zn (sol)	mg/L	7/25/02	2/22/07	11	1	10.8	143	37.16	26.80	28.40	2	TMDL	Hardness Dependent	0.04	2 exceedances in 5 Year(s)	18%
Western Ave.	Wet	Channel	Zn (tot)	µg/L	7/25/02	2/22/07	11	1	19.4	155	67.84	59.00	66.20						
Western Ave.	Dry	Channel	Ag (sol)	µg/L	4/26/01	5/26/09	82	54	0.03	0.81	0.42	0.13	0.04						
Western Ave.	Dry	Channel	Ag (tot)	µg/L	4/26/01	5/26/09	82	52	0.03	1.78	0.48	0.13	0.04						
Western Ave.	Dry	Channel	As (sol)	µg/L	4/26/01	5/26/09	84	4	0.1	7.41	2.33	2.00	1.90	0	CTR	150	0.00	0 exceedances in 9 Year(s)	0%
Western Ave.	Dry	Channel	As (tot)	µg/L	4/26/01	5/26/09	84	5	0.4	6.6	2.68	2.30	2.20						

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Western Ave.	Dry	Channel	Ba (sol)	µg/L	4/26/01	5/26/09	83	1	17.4	101	56.78	54.90	54.95						
Western Ave.	Dry	Channel	Ba (tot)	mg/L	4/26/01	5/26/09	83	1	23.2	270	71.40	59.70	60.35						
Western Ave.	Dry	Channel	Be (sol)	µg/L	4/26/01	2/24/06	47	43	0.03	0.3	0.20	0.20	0.07						
Western Ave.	Dry	Channel	Be (tot)	µg/L	4/26/01	2/24/06	46	41	0.048	0.6	0.22	0.20	0.08						
Western Ave.	Dry	Channel	Cd (sol)	µg/L	4/26/01	5/26/09	82	46	0.01	6.54	0.31	0.17	0.17	1	CTR	Hardness Dependent	0.00	1 exceedances in 9 Year(s)	1%
Western Ave.	Dry	Channel	Cd (tot)	µg/L	4/26/01	5/26/09	83	44	0.01	7.71	0.42	0.25	0.30						
Western Ave.	Dry	Channel	Co (sol)	µg/L	4/26/01	2/24/06	45	37	0.2	0.7	2.87	0.25	0.35						
Western Ave.	Dry	Channel	Co (tot)	µg/L	4/26/01	2/24/06	45	34	0.3	5.6	3.03	0.40	0.40						
Western Ave.	Dry	Channel	Cr (sol)	µg/L	4/26/01	5/26/09	83	25	0.045	5.44	1.58	1.06	1.14	0	CTR	11	0.00	0 exceedances in 9 Year(s)	0%
Western Ave.	Dry	Channel	Cr (tot)	µg/L	4/26/01	5/26/09	83	11	0.045	36	4.87	1.60	1.90						
Western Ave.	Dry	Channel	Cu (sol)	µg/L	4/26/01	5/26/09	82	6	4.2	32	12.88	11.25	11.95	16	CTR	Hardness Dependent	0.02	16 exceedances in 9 Year(s)	20%
Western Ave.	Dry	Channel	Cu (tot)	µg/L	4/26/01	5/26/09	83	4	4.47	204	22.14	16.30	18.00						
Western Ave.	Dry	Channel	Hardness	µg/L	1/29/04	5/26/09	56	0	87.5	393	257.83	269.50	269.50						
Western Ave.	Dry	Channel	Hg (sol)	µg/L	4/26/01	2/24/06	46	35	0.026	0.23	0.05	0.01	0.09	7	TMDL	0.051	0.03	7 exceedances in 5 Year(s)	15%
Western Ave.	Dry	Channel	Hg (tot)	µg/L	4/26/01	2/24/06	46	33	0.022	0.23	0.06	0.01	0.08						
Western Ave.	Dry	Channel	Ni (sol)	µg/L	4/26/01	5/26/09	80	16	0.88	27	4.12	3.30	3.30	0	CTR	Hardness Dependent	0.00	0 exceedances in 9 Year(s)	0%
Western Ave.	Dry	Channel	Ni (tot)	µg/L	4/26/01	5/26/09	83	16	1.08	23.1	5.61	4.62	4.62						
Western Ave.	Dry	Channel	Pb (sol)	µg/L	4/26/01	5/26/09	81	36	0.055	21.6	2.32	1.09	1.00	2	CTR	Hardness Dependent	0.00	2 exceedances in 9 Year(s)	2%
Western Ave.	Dry	Channel	Pb (tot)	µg/L	4/26/01	5/26/09	83	28	0.055	70.4	5.54	2.80	2.90						
Western Ave.	Dry	Channel	Sb (sol)	µg/L	4/26/01	2/24/06	47	37	1.4	3	2.48	2.00	2.00	0	CTR	4300	0.00	0 exceedances in 5 Year(s)	0%
Western Ave.	Dry	Channel	Sb (tot)	µg/L	4/26/01	2/24/06	47	32	1.3	13.7	2.81	2.00	2.00						
Western Ave.	Dry	Channel	Se (sol)	µg/L	5/31/01	5/26/09	82	6	0.2	2.12	0.87	0.50	0.50						
Western Ave.	Dry	Channel	Se (tot)	µg/L	5/31/01	5/26/09	82	5	0.1	2.16	0.94	0.50	0.50	0	CTR	5	0.00	0 exceedances in 8 Year(s)	0%
Western Ave.	Dry	Channel	Th (sol)	µg/L	4/26/01	2/24/06	47	42	1	6.4	2.11	0.55	1.20	1	CTR	6.3	0.00	1 exceedances in 5 Year(s)	2%
Western Ave.	Dry	Channel	Th (tot)	µg/L	4/26/01	2/24/06	47	40	1	6.4	2.16	0.55	1.20						
Western Ave.	Dry	Channel	Va(sol)	µg/L	4/26/01	5/31/01	2	2	0	0	2.50	2.50	0.00						
Western Ave.	Dry	Channel	Va(tot)	µg/L	4/26/01	5/31/01	2	2	0	0	2.50	2.50	0.00						
Western Ave.	Dry	Channel	Zn (sol)	µg/L	4/26/01	5/26/09	82	4	4.2	88.4	23.74	21.80	22.45	0	CTR	Hardness Dependent	0.00	0 exceedances in 9 Year(s)	0%
Western Ave.	Dry	Channel	Zn (tot)	µg/L	4/26/01	5/26/09	83	3	11	876	67.81	37.00	38.10						
Yukon Ave.	Wet	Channel	Ag (sol)	µg/L	4/28/05	2/22/07	4	3	0.58	0.58	0.22	0.10	0.58	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Wet	Channel	Ag (tot)	µg/L	4/28/05	2/22/07	4	3	0.73	0.73	0.26	0.10	0.73						
Yukon Ave.	Wet	Channel	As (sol)	µg/L	4/28/05	2/22/07	4	0	0.05	2.8	1.41	1.40	1.40	0	CTR	340	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Wet	Channel	As (tot)	µg/L	4/28/05	2/22/07	4	0	0.1	3.6	2.10	2.35	2.35						
Yukon Ave.	Wet	Channel	Ba (sol)	µg/L	4/28/05	2/22/07	4	0	57.8	102	73.70	67.50	67.50						
Yukon Ave.	Wet	Channel	Ba (tot)	µg/L	4/28/05	2/22/07	4	0	70.6	270	139.65	109.00	109.00						
Yukon Ave.	Wet	Channel	Be (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Yukon Ave.	Wet	Channel	Be (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.20	0.20	0.00						
Yukon Ave.	Wet	Channel	Cd (sol)	µg/L	4/28/05	2/22/07	4	0	0.165	0.8	0.54	0.60	0.60	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Wet	Channel	Cd (tot)	µg/L	4/28/05	2/22/07	4	0	0.165	1.8	1.09	1.20	1.20						
Yukon Ave.	Wet	Channel	Co (sol)	µg/L	4/28/05	8/25/05	3	2	0.8	0.8	0.33	0.10	0.80						
Yukon Ave.	Wet	Channel	Co (tot)	µg/L	4/28/05	8/25/05	3	0	0.5	3.4	2.07	2.30	2.30						
Yukon Ave.	Wet	Channel	Cr (sol)	µg/L	4/28/05	2/22/07	4	0	0.105	15.6	4.60	1.35	1.35	0	CTR	16	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Wet	Channel	Cr (tot)	µg/L	4/28/05	2/22/07	4	0	0.47	33.2	10.89	4.95	4.95						
Yukon Ave.	Wet	Channel	Cu (sol)	µg/L	4/28/05	2/22/07	4	0	4	69	41.50	46.50	46.50	3	TMDL	Hardness Dependent	0.41	3 exceedances in 2 Year(s)	75%
Yukon Ave.	Wet	Channel	Cu (tot)	µg/L	4/28/05	2/22/07	4	0	6	171	106.00	123.50	123.50						
Yukon Ave.	Wet	Channel	Hardness	µg/L	4/28/05	2/22/07	4	0	52.4	298	209.85	244.50	244.50						
Yukon Ave.	Wet	Channel	Hg (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.01	0.01	0.00	0	TMDL	0.051	0.00	0 exceedances in 1 Year(s)	0%
Yukon Ave.	Wet	Channel	Hg (tot)	µg/L	4/28/05	8/25/05	3	1	0.024	0.034	0.02	0.02	0.03						
Yukon Ave.	Wet	Channel	Ni (sol)	µg/L	4/28/05	2/22/07	4	0	1.98	12	7.00	7.00	7.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Wet	Channel	Ni (tot)	mg/L	4/28/05	2/22/07	4	0	2.89	17	11.72	13.50	13.50						
Yukon Ave.	Wet	Channel	Pb (sol)	µg/L	4/28/05	2/22/07	4	2	0.55	2	0.89	0.53	1.28	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Yukon Ave.	Wet	Channel	Pb (tot)	µg/L	4/28/05	2/22/07	4	0	0.55	49	25.14	25.50	25.50						
Yukon Ave.	Wet	Channel	Sb (sol)	µg/L	4/28/05	8/25/05	3	2	9	9	3.67	1.00	9.00	0	CTR	4300	0.00	0 exceedances in 1 Year(s)	0%
Yukon Ave.	Wet	Channel	Sb (tot)	µg/L	4/28/05	8/25/05	3	2	35	35	12.33	1.00	35.00						
Yukon Ave.	Wet	Channel	Se (sol)	µg/L	4/28/05	2/22/07	4	0	0.1	0.5	0.33	0.35	0.35						
Yukon Ave.	Wet	Channel	Se (tot)	µg/L	4/28/05	2/22/07	4	0	0.1	0.6	0.38	0.40	0.40						
Yukon Ave.	Wet	Channel	Th (sol)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00	0	CTR	6.3	0.00	0 exceedances in 1 Year(s)	0%

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Yukon Ave.	Wet	Channel	Th (tot)	µg/L	4/28/05	8/25/05	3	3	0	0	0.50	0.50	0.00						
Yukon Ave.	Wet	Channel	Zn (sol)	µg/L	4/28/05	2/22/07	4	0	8	94	61.50	72.00	72.00	1	TMDL	Hardness Dependent	0.14	1 exceedances in 2 Year(s)	25%
Yukon Ave.	Wet	Channel	Zn (tot)	µg/L	4/28/05	2/22/07	4	0	15	376	221.50	247.50	247.50						
Yukon Ave.	Dry	Channel	Ag (sol)	µg/L	1/27/05	5/26/09	45	18	0.03	0.5	0.09	0.04	0.04						
Yukon Ave.	Dry	Channel	Ag (tot)	µg/L	1/27/05	5/26/09	45	18	0.03	0.66	0.11	0.04	0.04						
Yukon Ave.	Dry	Channel	As (sol)	µg/L	1/27/05	5/26/09	47	4	0.05	8.4	1.24	1.00	1.10	0	CTR	150	0.00	0 exceedances in 5 Year(s)	0%
Yukon Ave.	Dry	Channel	As (tot)	µg/L	1/27/05	5/26/09	47	3	0.05	22.2	1.90	1.20	1.30						
Yukon Ave.	Dry	Channel	Ba (sol)	µg/L	1/27/05	5/26/09	46	0	32.2	134	60.12	53.70	53.70						
Yukon Ave.	Dry	Channel	Ba (tot)	µg/L	1/27/05	5/26/09	46	0	40	719	88.52	62.35	62.35						
Yukon Ave.	Dry	Channel	Be (sol)	µg/L	1/27/05	2/24/06	11	11	0	0	0.20	0.20	0.00						
Yukon Ave.	Dry	Channel	Be (tot)	µg/L	1/27/05	2/24/06	11	11	0	0	0.20	0.20	0.00						
Yukon Ave.	Dry	Channel	Cd (sol)	µg/L	1/27/05	5/26/09	46	9	0.01	1.6	0.29	0.17	0.17	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Yukon Ave.	Dry	Channel	Cd (tot)	µg/L	1/27/05	5/26/09	46	5	0.01	16.6	0.85	0.35	0.41						
Yukon Ave.	Dry	Channel	Co (sol)	µg/L	1/27/05	2/24/06	11	5	0.2	0.4	0.18	0.20	0.20						
Yukon Ave.	Dry	Channel	Co (tot)	µg/L	1/27/05	2/24/06	11	3	0.2	11.5	1.75	0.30	0.75						
Yukon Ave.	Dry	Channel	Cr (sol)	µg/L	1/27/05	5/26/09	46	2	0.045	23.8	2.28	1.06	1.14	2	CTR	11	0.01	2 exceedances in 5 Year(s)	4%
Yukon Ave.	Dry	Channel	Cr (tot)	µg/L	1/27/05	5/26/09	46	1	0.045	118	6.61	1.83	1.86						
Yukon Ave.	Dry	Channel	Cu (sol)	µg/L	1/27/05	5/26/09	45	1	2.91	141	16.70	11.00	11.00	14	CTR	Hardness Dependent	0.07	14 exceedances in 5 Year(s)	31%
Yukon Ave.	Dry	Channel	Cu (tot)	µg/L	1/27/05	5/26/09	46	1	4.27	166	33.62	16.50	17.00						
Yukon Ave.	Dry	Channel	Hardness	µg/L	1/27/05	5/26/09	47	0	79.5	332	197.07	192.00	192.00						
Yukon Ave.	Dry	Channel	Hg (sol)	µg/L	1/27/05	2/24/06	11	9	0.026	0.026	0.01	0.01	0.03	0	TMDL	0.051	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Dry	Channel	Hg (tot)	µg/L	1/27/05	2/24/06	11	5	0.024	0.133	0.03	0.02	0.03						
Yukon Ave.	Dry	Channel	Ni (sol)	µg/L	1/27/05	5/26/09	46	1	0.17	12.1	3.61	2.92	3.00	0	CTR	Hardness Dependent	0.00	0 exceedances in 5 Year(s)	0%
Yukon Ave.	Dry	Channel	Ni (tot)	µg/L	1/27/05	5/26/09	46	1	1.01	80	7.03	4.19	4.30						
Yukon Ave.	Dry	Channel	Pb (sol)	mg/L	1/27/05	5/26/09	46	7	0.055	15.9	1.62	0.88	1.00	2	CTR	Hardness Dependent	0.01	2 exceedances in 5 Year(s)	4%
Yukon Ave.	Dry	Channel	Pb (tot)	µg/L	1/27/05	5/26/09	46	3	0.055	113	11.40	4.25	4.73						
Yukon Ave.	Dry	Channel	Sb (sol)	µg/L	1/27/05	2/24/06	11	9	3	3	1.36	1.00	3.00	0	CTR	4300	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Dry	Channel	Sb (tot)	µg/L	1/27/05	2/24/06	11	5	2	6	2.18	2.00	2.50						
Yukon Ave.	Dry	Channel	Se (sol)	µg/L	1/27/05	5/26/09	47	3	0.05	1.03	0.31	0.20	0.20						
Yukon Ave.	Dry	Channel	Se (tot)	µg/L	1/27/05	5/26/09	47	2	0.05	2.2	0.38	0.20	0.29	0	CTR	5	0.00	0 exceedances in 5 Year(s)	0%
Yukon Ave.	Dry	Channel	Th (sol)	µg/L	1/27/05	2/24/06	11	7	1	4	1.05	0.50	1.50	0	CTR	6.3	0.00	0 exceedances in 2 Year(s)	0%
Yukon Ave.	Dry	Channel	Th (tot)	µg/L	1/27/05	2/24/06	11	8	1	4	0.91	0.50	1.00						
Yukon Ave.	Dry	Channel	Zn (sol)	µg/L	1/27/05	5/26/09	46	0	5	171	48.91	31.50	31.50	1	CTR	Hardness Dependent	0.01	1 exceedances in 5 Year(s)	2%
Yukon Ave.	Dry	Channel	Zn (tot)	µg/L	1/27/05	5/26/09	46	0	12	669	121.62	72.85	72.85						
Henry Ford Ave.	Wet	Estuary	Ag (sol)	µg/L	7/25/02	2/22/07	11	10	0.03	0.03	0.28	0.13	0.03	0	CTR	1.9	0.00	0 exceedances in 5 Year(s)	0%
Henry Ford Ave.	Wet	Estuary	Ag (tot)	µg/L	7/25/02	2/22/07	11	9	0.09	2.48	0.50	0.13	1.29						
Henry Ford Ave.	Wet	Estuary	As (sol)	µg/L	7/25/02	2/22/07	11	0	1	2.9	1.79	1.80	1.80	0	CTR	150	0.00	0 exceedances in 5 Year(s)	0%
Henry Ford Ave.	Wet	Estuary	As (tot)	µg/L	7/25/02	2/22/07	11	0	1	4	2.14	2.00	2.00						
Henry Ford Ave.	Wet	Estuary	Ba (sol)	µg/L	7/25/02	2/22/07	11	0	6	22	10.12	10.00	10.00						
Henry Ford Ave.	Wet	Estuary	Ba (tot)	µg/L	7/25/02	2/22/07	11	0	6	56	15.88	11.00	11.00						
Henry Ford Ave.	Wet	Estuary	Be (sol)	mg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
Henry Ford Ave.	Wet	Estuary	Be (tot)	µg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
Henry Ford Ave.	Wet	Estuary	Cd (sol)	µg/L	7/25/02	2/22/07	11	6	0.2	1	0.41	0.40	0.69	0	CTR	Hardness Dependent*	0.00	0 exceedances in 5 Year(s)	0%
Henry Ford Ave.	Wet	Estuary	Cd (tot)	µg/L	7/25/02	2/22/07	11	4	0.165	0.8	0.41	0.31	0.31						
Henry Ford Ave.	Wet	Estuary	Co (sol)	µg/L	7/25/02	8/25/05	10	5	0.3	1.5	2.37	0.40	0.40						
Henry Ford Ave.	Wet	Estuary	Co (tot)	µg/L	7/25/02	8/25/05	10	3	0.4	2.4	2.84	1.30	1.10						
Henry Ford Ave.	Wet	Estuary	Cr (sol)	µg/L	7/25/02	2/22/07	10	5	0.1	3	0.75	0.50	0.60						
Henry Ford Ave.	Wet	Estuary	Cr (tot)	µg/L	7/25/02	2/22/07	11	2	0.39	27.6	7.31	1.50	2.60						
Henry Ford Ave.	Wet	Estuary	Cu (sol)	µg/L	7/25/02	2/22/07	10	4	2.3	17	5.52	3.15	7.50	5	TMDL	Hardness Dependent*	0.11	5 exceedances in 5 Year(s)	50%
Henry Ford Ave.	Wet	Estuary	Cu (tot)	µg/L	7/25/02	2/22/07	11	5	1	55	10.35	2.00	10.00						
Henry Ford Ave.	Wet	Estuary	Hardness	µg/L	2/26/04	2/22/07	8	0	25.9	5390	3,499.86	4,490.00	4,490.00						
Henry Ford Ave.	Wet	Estuary	Hg (sol)	µg/L	7/25/02	8/25/05	10	3	0.03	0.136	0.05	0.04	0.04						
Henry Ford Ave.	Wet	Estuary	Hg (tot)	µg/L	7/25/02	8/25/05	10	2	0.022	0.165	0.05	0.04	0.04						
Henry Ford Ave.	Wet	Estuary	Ni (sol)	µg/L	7/25/02	2/22/07	11	2	1.94	12.8	5.03	3.00	3.32	1	CTR	Hardness Dependent*	0.02	1 exceedances in 5 Year(s)	9%
Henry Ford Ave.	Wet	Estuary	Ni (tot)	µg/L	7/25/02	2/22/07	11	2	3	12.1	5.24	3.10	5.45						
Henry Ford Ave.	Wet	Estuary	Pb (sol)	µg/L	7/25/02	2/22/07	11	5	0.55	12.6	4.45	5.00	6.00	2	TMDL	Hardness Dependent*	0.04	2 exceedances in 5 Year(s)	18%
Henry Ford Ave.	Wet	Estuary	Pb (tot)	µg/L	7/25/02	2/22/07	11	3	0.55	36.4	10.81	6.00	9.50						

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Henry Ford Ave.	Wet	Estuary	Sb (sol)	µg/L	7/25/02	8/25/05	10	5	2	13	3.70	2.90	4.00						
Henry Ford Ave.	Wet	Estuary	Sb (tot)	µg/L	7/25/02	8/25/05	10	5	3	13	3.86	3.00	4.40						
Henry Ford Ave.	Wet	Estuary	Se (sol)	µg/L	7/25/02	2/22/07	11	5	0.2	2.1	0.36	0.20	0.20						
Henry Ford Ave.	Wet	Estuary	Se (tot)	µg/L	7/25/02	2/22/07	11	4	0.2	2.5	0.43	0.20	0.20	0	CTR	290	0.00	0 exceedances in 5 Year(s)	0%
Henry Ford Ave.	Wet	Estuary	Th (sol)	µg/L	7/25/02	8/25/05	9	4	0.7	16	3.24	1.40	1.40	1	CTR	6.3	0.04	1 exceedances in 4 Year(s)	11%
Henry Ford Ave.	Wet	Estuary	Th (tot)	µg/L	7/25/02	8/25/05	10	5	0.7	12	3.03	1.00	1.00						
Henry Ford Ave.	Wet	Estuary	Zn (sol)	µg/L	7/25/02	2/22/07	11	2	12	61	25.15	18.00	20.00	1	TMDL	90	0.02	1 exceedances in 5 Year(s)	9%
Henry Ford Ave.	Wet	Estuary	Zn (tot)	µg/L	7/25/02	2/22/07	11	2	24	243	54.13	28.20	31.00						
Henry Ford Ave.	Dry	Estuary	Ag (sol)	µg/L	4/26/01	5/26/09	75	52	0.03	4	0.58	0.13	0.04	3	CTR	Hardness Dependent*	0.00	3 exceedances in 9 Year(s)	4%
Henry Ford Ave.	Dry	Estuary	Ag (tot)	µg/L	4/26/01	5/26/09	75	52	0.03	10.5	0.84	0.13	0.30						
Henry Ford Ave.	Dry	Estuary	As (sol)	µg/L	4/26/01	5/26/09	78	4	0.3	3.2	1.62	1.50	1.40	0	CTR	36	0.00	0 exceedances in 9 Year(s)	0%
Henry Ford Ave.	Dry	Estuary	As (tot)	µg/L	4/26/01	5/26/09	79	4	0.3	3.4	1.75	1.60	1.60						
Henry Ford Ave.	Dry	Estuary	Ba (sol)	µg/L	4/26/01	5/26/09	76	3	2.46	41.1	13.22	10.50	12.00						
Henry Ford Ave.	Dry	Estuary	Ba (tot)	µg/L	4/26/01	5/26/09	76	2	2.69	45.6	14.26	12.60	13.00						
Henry Ford Ave.	Dry	Estuary	Be (sol)	µg/L	4/26/01	2/24/06	47	37	0.043	2.4	0.32	0.20	0.50						
Henry Ford Ave.	Dry	Estuary	Be (tot)	µg/L	4/26/01	2/24/06	47	34	0.022	2.3	0.33	0.25	0.40						
Henry Ford Ave.	Dry	Estuary	Cd (sol)	µg/L	4/26/01	5/26/09	76	34	0.01	5.6	0.47	0.33	0.33	0	CTR	Hardness Dependent*	0.00	0 exceedances in 9 Year(s)	0%
Henry Ford Ave.	Dry	Estuary	Cd (tot)	µg/L	4/26/01	5/26/09	76	34	0.01	5.8	0.56	0.29	0.29						
Henry Ford Ave.	Dry	Estuary	Co (sol)	µg/L	4/26/01	2/24/06	44	19	0.2	2.5	3.25	0.85	0.60						
Henry Ford Ave.	Dry	Estuary	Co (tot)	µg/L	4/26/01	2/24/06	45	20	0.38	12	3.52	0.90	0.70						
Henry Ford Ave.	Dry	Estuary	Cr (sol)	µg/L	4/26/01	5/26/09	76	46	0.045	42.5	2.83	0.50	1.61						
Henry Ford Ave.	Dry	Estuary	Cr (tot)	µg/L	4/26/01	5/26/09	76	27	0.045	31.3	4.47	1.16	2.40						
Henry Ford Ave.	Dry	Estuary	Cu (sol)	µg/L	4/26/01	5/26/09	73	21	1.3	75	10.74	6.00	11.50	43	TMDL	Hardness Dependent*	0.07	43 exceedances in 9 Year(s)	59%
Henry Ford Ave.	Dry	Estuary	Cu (tot)	mg/L	4/26/01	5/26/09	76	16	1.3	83	13.32	7.40	11.50						
Henry Ford Ave.	Dry	Estuary	Hardness	µg/L	4/29/04	5/26/09	49	0	986	6260	4,689.92	5,120.00	5,120.00						
Henry Ford Ave.	Dry	Estuary	Hg (sol)	µg/L	4/26/01	2/24/06	45	23	0.025	0.17	0.06	0.04	0.04	8	TMDL	0.051	0.04	8 exceedances in 5 Year(s)	18%
Henry Ford Ave.	Dry	Estuary	Hg (tot)	µg/L	4/26/01	2/24/06	46	22	0.023	0.17	0.06	0.04	0.05						
Henry Ford Ave.	Dry	Estuary	Ni (sol)	µg/L	4/26/01	5/26/09	74	15	0.1	23.3	7.20	5.45	6.43	19	CTR	Hardness Dependent*	0.03	19 exceedances in 9 Year(s)	26%
Henry Ford Ave.	Dry	Estuary	Ni (tot)	µg/L	4/26/01	5/26/09	76	14	0.1	37.3	7.77	5.75	6.90						
Henry Ford Ave.	Dry	Estuary	Pb (sol)	µg/L	4/26/01	5/26/09	75	31	0.055	42	5.82	5.00	5.75	14	TMDL	Hardness Dependent*	0.02	14 exceedances in 9 Year(s)	19%
Henry Ford Ave.	Dry	Estuary	Pb (tot)	µg/L	4/26/01	5/26/09	76	27	0.055	60.2	7.40	5.00	7.00						
Henry Ford Ave.	Dry	Estuary	Sb (sol)	µg/L	4/26/01	2/24/06	46	41	2.3	12.8	2.71	1.00	4.90	0	CTR	4300	0.00	0 exceedances in 5 Year(s)	0%
Henry Ford Ave.	Dry	Estuary	Sb (tot)	µg/L	4/26/01	2/24/06	47	37	1.1	23.2	3.40	2.00	3.65						
Henry Ford Ave.	Dry	Estuary	Se (sol)	µg/L	5/31/01	5/26/09	75	18	0.05	2.4	0.67	0.20	0.20						
Henry Ford Ave.	Dry	Estuary	Se (tot)	µg/L	5/31/01	5/26/09	77	15	0.05	2.4	0.72	0.20	0.20	0	CTR	5	0.00	0 exceedances in 8 Year(s)	0%
Henry Ford Ave.	Dry	Estuary	Th (sol)	µg/L	4/26/01	1/26/06	46	34	2	12	3.41	2.50	5.15	5	CTR	6.3	0.02	5 exceedances in 5 Year(s)	11%
Henry Ford Ave.	Dry	Estuary	Th (tot)	µg/L	4/26/01	1/26/06	46	33	0.669	12	3.39	2.50	4.00						
Henry Ford Ave.	Dry	Estuary	Va(sol)	µg/L	4/26/01	5/31/01	2	2	0	0	2.50	2.50	0.00						
Henry Ford Ave.	Dry	Estuary	Va(tot)	µg/L	4/26/01	5/31/01	2	2	0	0	2.50	2.50	0.00						
Henry Ford Ave.	Dry	Estuary	Zn (sol)	µg/L	4/26/01	5/26/09	74	13	2	78	21.19	16.05	19.00	0	TMDL	Hardness Dependent*	0.00	0 exceedances in 9 Year(s)	0%
Henry Ford Ave.	Dry	Estuary	Zn (tot)	µg/L	4/26/01	5/26/09	76	10	2	145	29.86	26.00	28.85						
Wilmington Ave.	Wet	Estuary	Ag (sol)	µg/L	7/25/02	2/22/07	11	10	0.03	0.03	0.28	0.13	0.03	0	CTR	1.9	0.00	0 exceedances in 5 Year(s)	0%
Wilmington Ave.	Wet	Estuary	Ag (tot)	µg/L	7/25/02	2/22/07	11	10	0.03	0.03	0.28	0.13	0.03						
Wilmington Ave.	Wet	Estuary	As (sol)	µg/L	7/25/02	2/22/07	11	0	1	2.7	1.76	1.80	1.80	0	CTR	150	0.00	0 exceedances in 5 Year(s)	0%
Wilmington Ave.	Wet	Estuary	As (tot)	µg/L	7/25/02	2/22/07	11	0	1	2.8	2.04	2.10	2.10						
Wilmington Ave.	Wet	Estuary	Ba (sol)	µg/L	7/25/02	8/25/05	10	0	9.1	32	20.47	20.80	20.80						
Wilmington Ave.	Wet	Estuary	Ba (tot)	µg/L	7/25/02	2/22/07	11	0	14	39	26.32	26.60	26.60						
Wilmington Ave.	Wet	Estuary	Be (sol)	µg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
Wilmington Ave.	Wet	Estuary	Be (tot)	µg/L	7/25/02	8/25/05	10	10	0	0	0.19	0.20	0.00						
Wilmington Ave.	Wet	Estuary	Cd (sol)	µg/L	7/25/02	2/22/07	11	7	0.16	1.2	0.32	0.17	0.33	0	CTR	Hardness Dependent*	0.00	0 exceedances in 5 Year(s)	0%
Wilmington Ave.	Wet	Estuary	Cd (tot)	µg/L	7/25/02	2/22/07	11	5	0.165	1	0.39	0.29	0.40						
Wilmington Ave.	Wet	Estuary	Co (sol)	µg/L	7/25/02	8/25/05	10	5	0.3	0.6	2.23	0.30	0.30						
Wilmington Ave.	Wet	Estuary	Co (tot)	µg/L	7/25/02	8/25/05	10	3	0.28	1.5	2.59	0.85	0.80						
Wilmington Ave.	Wet	Estuary	Cr (sol)	µg/L	7/25/02	2/22/07	11	5	0.3	2.4	0.78	0.50	0.80						
Wilmington Ave.	Wet	Estuary	Cr (tot)	µg/L	7/25/02	2/22/07	11	2	0.5	24.7	5.92	1.70	2.30						
Wilmington Ave.	Wet	Estuary	Cu (sol)	µg/L	7/25/02	2/22/07	11	1	3.9	78	13.86	8.70	9.35	10	TMDL	Hardness Dependent*	0.20	10 exceedances in 5 Year(s)	91%
Wilmington Ave.	Wet	Estuary	Cu (tot)	µg/L	7/25/02	2/22/07	11	1	4.1	78	16.61	11.00	11.00						

Table E.2: Dominguez Channel - Metals Data Summary

Location	Weather	Type	Constituent	Unit	Dates Sampled		Total No. of Values	No. Values with/ ND	Min.	Max.	Avg.	Median		No. of exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency (# of exceed. per year)	Exceedance/Time	%Exceed
					From	To						With ND	Without ND						
Wilmington Ave.	Wet	Estuary	Hardness	µg/L	2/26/04	2/22/07	8	0	19	4590	2,394.03	2,645.00	2,645.00						
Wilmington Ave.	Wet	Estuary	Hg (sol)	µg/L	7/25/02	8/25/05	10	3	0.03	0.07	0.03	0.03	0.04						
Wilmington Ave.	Wet	Estuary	Hg (tot)	µg/L	7/25/02	8/25/05	10	2	0.026	0.1	0.04	0.04	0.04						
Wilmington Ave.	Wet	Estuary	Ni (sol)	µg/L	7/25/02	2/22/07	11	2	1.54	9.1	4.32	3.00	3.00	1	CTR	Hardness Dependent*	0.02	1 exceedances in 5 Year(s)	9%
Wilmington Ave.	Wet	Estuary	Ni (tot)	µg/L	7/25/02	2/22/07	11	2	3	10.1	4.99	3.42	4.00						
Wilmington Ave.	Wet	Estuary	Pb (sol)	µg/L	7/25/02	2/22/07	11	6	0.55	8	3.38	4.00	5.60	0	TMDL	Hardness Dependent*	0.00	0 exceedances in 5 Year(s)	0%
Wilmington Ave.	Wet	Estuary	Pb (tot)	mg/L	7/25/02	2/22/07	11	3	0.55	11.4	5.90	6.00	7.50						
Wilmington Ave.	Wet	Estuary	Sb (sol)	µg/L	7/25/02	8/25/05	10	8	3.1	4	2.08	1.00	3.55						
Wilmington Ave.	Wet	Estuary	Sb (tot)	µg/L	7/25/02	8/25/05	10	6	1.1	5	2.48	2.05	3.50						
Wilmington Ave.	Wet	Estuary	Se (sol)	µg/L	7/25/02	2/22/07	11	5	0.2	2.3	0.45	0.20	0.45						
Wilmington Ave.	Wet	Estuary	Se (tot)	µg/L	7/25/02	2/22/07	11	2	0.2	2.5	0.53	0.30	0.40	0	CTR	290	0.00	0 exceedances in 5 Year(s)	0%
Wilmington Ave.	Wet	Estuary	Th (sol)	µg/L	7/25/02	8/25/05	10	8	2	14	2.40	0.55	8.00	1	CTR	6.3	0.03	1 exceedances in 4 Year(s)	10%
Wilmington Ave.	Wet	Estuary	Th (tot)	µg/L	7/25/02	8/25/05	10	7	1	10	2.62	0.55	9.80						
Wilmington Ave.	Wet	Estuary	Zn (sol)	µg/L	7/25/02	8/25/05	10	2	13.2	97	33.83	37.00	38.00	2	TMDL	90	0.06	2 exceedances in 4 Year(s)	20%
Wilmington Ave.	Wet	Estuary	Zn (tot)	µg/L	7/25/02	2/22/07	11	2	22.2	124	51.62	47.00	48.00						
Wilmington Ave.	Dry	Estuary	Ag (sol)	µg/L	4/26/01	5/26/09	75	55	0.03	2.94	0.49	0.13	0.04	1	CTR	Hardness Dependent*	0.00	1 exceedances in 9 Year(s)	1%
Wilmington Ave.	Dry	Estuary	Ag (tot)	µg/L	4/26/01	5/26/09	75	54	0.03	19.5	0.76	0.13	0.04						
Wilmington Ave.	Dry	Estuary	As (sol)	µg/L	4/26/01	5/26/09	79	4	0.2	3.9	1.77	1.50	1.49	0	CTR	36	0.00	0 exceedances in 9 Year(s)	0%
Wilmington Ave.	Dry	Estuary	As (tot)	µg/L	4/26/01	5/26/09	79	4	0.3	5.9	1.99	1.80	1.70						
Wilmington Ave.	Dry	Estuary	Ba (sol)	mg/L	4/26/01	5/26/09	76	1	4.8	69.7	25.52	23.00	23.00						
Wilmington Ave.	Dry	Estuary	Ba (tot)	µg/L	4/26/01	5/26/09	76	1	4.36	75.5	27.08	23.75	24.00						
Wilmington Ave.	Dry	Estuary	Be (sol)	µg/L	4/26/01	2/24/06	47	38	0.07	2.2	0.30	0.25	0.40						
Wilmington Ave.	Dry	Estuary	Be (tot)	µg/L	4/26/01	2/24/06	47	38	0.044	2.4	0.31	0.20	0.40						
Wilmington Ave.	Dry	Estuary	Cd (sol)	µg/L	4/26/01	5/26/09	76	39	0.01	3.52	0.45	0.25	0.35	0	CTR	Hardness Dependent*	0.00	0 exceedances in 9 Year(s)	0%
Wilmington Ave.	Dry	Estuary	Cd (tot)	µg/L	4/26/01	5/26/09	76	35	0.01	5.2	0.49	0.27	0.28						
Wilmington Ave.	Dry	Estuary	Co (sol)	µg/L	4/26/01	2/24/06	45	26	0.28	7.2	3.32	0.80	0.60						
Wilmington Ave.	Dry	Estuary	Co (tot)	µg/L	4/26/01	2/24/06	45	24	0.3	10.5	3.48	1.00	0.71						
Wilmington Ave.	Dry	Estuary	Cr (sol)	µg/L	4/26/01	5/26/09	76	37	0.045	43.1	2.67	0.50	0.99						
Wilmington Ave.	Dry	Estuary	Cr (tot)	µg/L	4/26/01	5/26/09	76	23	0.045	33.2	4.80	1.40	2.85						
Wilmington Ave.	Dry	Estuary	Cu (sol)	µg/L	4/26/01	5/26/09	72	22	0.5	56	10.70	6.00	11.10	44	TMDL	Hardness Dependent*	0.08	44 exceedances in 9 Year(s)	61%
Wilmington Ave.	Dry	Estuary	Cu (tot)	µg/L	4/26/01	5/26/09	75	17	0.5	69	13.99	9.89	13.00						
Wilmington Ave.	Dry	Estuary	Hardness	µg/L	4/29/04	5/26/09	49	0	65.2	5390	3,614.37	4,020.00	4,020.00						
Wilmington Ave.	Dry	Estuary	Hg (sol)	µg/L	4/26/01	2/24/06	46	26	0.0008	0.2	0.06	0.04	0.05	10	TMDL	0.051	0.04	10 exceedances in 5 Year(s)	22%
Wilmington Ave.	Dry	Estuary	Hg (tot)	µg/L	4/26/01	2/24/06	46	23	0.026	0.2	0.06	0.04	0.06						
Wilmington Ave.	Dry	Estuary	Ni (sol)	µg/L	4/26/01	5/26/09	75	16	0.1	36.7	7.20	5.00	5.87	16	CTR	Hardness Dependent*	0.03	16 exceedances in 9 Year(s)	21%
Wilmington Ave.	Dry	Estuary	Ni (tot)	µg/L	4/26/01	5/26/09	76	15	0.1	37.5	7.65	6.00	6.42						
Wilmington Ave.	Dry	Estuary	Pb (sol)	µg/L	4/26/01	5/26/09	72	28	0.055	32.2	5.70	5.00	5.50	12	TMDL	Hardness Dependent*	0.02	12 exceedances in 9 Year(s)	17%
Wilmington Ave.	Dry	Estuary	Pb (tot)	µg/L	4/26/01	5/26/09	76	27	0.055	46.5	6.38	5.00	6.00						
Wilmington Ave.	Dry	Estuary	Sb (sol)	µg/L	4/26/01	2/24/06	46	38	1.3	18	2.93	1.55	4.00	0	CTR	4300	0.00	0 exceedances in 5 Year(s)	0%
Wilmington Ave.	Dry	Estuary	Sb (tot)	µg/L	4/26/01	2/24/06	47	39	1.1	18	2.90	1.00	4.00						
Wilmington Ave.	Dry	Estuary	Se (sol)	µg/L	5/31/01	5/26/09	77	10	0.05	3.9	0.76	0.30	0.24						
Wilmington Ave.	Dry	Estuary	Se (tot)	µg/L	5/31/01	5/26/09	77	7	0.05	3.9	0.78	0.30	0.25	0	CTR	5	0.00	0 exceedances in 8 Year(s)	0%
Wilmington Ave.	Dry	Estuary	Th (sol)	µg/L	4/26/01	2/24/06	47	36	1.3	14	3.04	2.40	3.00	4	CTR	6.3	0.02	4 exceedances in 5 Year(s)	9%
Wilmington Ave.	Dry	Estuary	Th (tot)	µg/L	4/26/01	2/24/06	47	34	0.519	13	3.05	2.50	3.00						
Wilmington Ave.	Dry	Estuary	Va(sol)	µg/L	4/26/01	5/31/01	2	2	0	0	2.50	2.50	0.00						
Wilmington Ave.	Dry	Estuary	Va(tot)	µg/L	4/26/01	5/31/01	2	2	0	0	2.50	2.50	0.00						
Wilmington Ave.	Dry	Estuary	Zn (sol)	mg/L	4/26/01	5/26/09	75	10	2	143	29.74	25.40	27.00	4	TMDL	Hardness Dependent*	0.01	4 exceedances in 9 Year(s)	5%
Wilmington Ave.	Dry	Estuary	Zn (tot)	µg/L	4/26/01	5/26/09	76	9	2	179	38.80	32.00	33.00						

Notes:
Water quality data available but no screening criteria was determined.
Source:
Dominguez Channel Status and Trends (Metals, 2001-2009)

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Dry	1,2 Benzanthracene	µg/L	10/31/06	11/25/07	6	6	0.05	-	-	0.05	-						
Dry	1,2,4-Trichlorobenzene	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-						
Dry	1,2-Dichlorobenzene	µg/L	10/31/06	06/12/13	28	28	0.39	-	-	0.50	-	0	CTR	17,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	1,3-Dichlorobenzene	µg/L	10/31/06	06/12/13	28	28	0.39	-	-	0.50	-	0	CTR	2,600.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	1,4-Dichlorobenzene	µg/L	10/31/06	06/12/13	28	28	0.39	-	-	0.50	-	0	CTR	2,600.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	2- Chlorophenol	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	400.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	2,4,5-TP-SILVEX	µg/L	10/31/06	06/12/13	28	28	1.49	-	-	0.10	-						
Dry	2,4-D	µg/L	10/31/06	06/12/13	28	27	0.74	-	0.553	0.01	0.553						
Dry	2,4-dichlorophenol	µg/L	10/31/06	06/12/13	30	30	0.68	-	-	0.50	-	0	CTR	790.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	2,6-Dinitrotoluene	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-						
Dry	2-Chloroethyl vinyl ether	µg/L	04/02/07	04/09/13	27	27	0.89	-	-	1.25	-						
Dry	2-Chloronaphthalene	µg/L	10/31/06	06/12/13	28	28	4.64	-	-	5.00	-	0	CTR	4,300.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	2-nitrophenol	µg/L	10/31/06	06/12/13	30	30	2.92	-	-	1.50	-						
Dry	3,3-Dichlorobenzidine	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-	0	CTR	0.08	0.00	0 exceedances in 7 Year(s)	0%
Dry	4,4'-DDD	µg/L	07/13/09	06/12/13	17	17	0.03	-	-	0.03	-	0	CTR	0.00084	0.00	0 exceedances in 4 Year(s)	0%
Dry	4,4'-DDE	µg/L	07/13/09	06/12/13	17	17	0.03	-	-	0.03	-	0	CTR	0.00059	0.00	0 exceedances in 4 Year(s)	0%
Dry	4,4'-DDT	µg/L	07/13/09	06/12/13	17	17	0.01	-	-	0.01	-	0	TMDL	0.00100	0.00	0 exceedances in 4 Year(s)	0%
Dry	4-Bromophenyl phenyl ether	µg/L	10/31/06	06/12/13	28	28	1.54	-	-	2.50	-						
Dry	4-Chlorophenyl phenyl ether	µg/L	10/31/06	06/12/13	28	28	1.36	-	-	2.50	-						
Dry	4-nitrophenol	µg/L	10/31/06	06/12/13	30	30	1.90	-	-	2.00	-						
Dry	Acenaphthene	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	2,700.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Acenaphthylene	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-						
Dry	Aldrin	µg/L	10/31/06	06/12/13	28	28	0.01	-	-	0.00	-	0	CTR	0.00014	0.00	0 exceedances in 7 Year(s)	0%
Dry	Alkalinity	mg/L	10/10/02	04/25/06	5		127.58	55	178	118.00	118						
Dry	alpha-BHC	µg/L	10/31/06	06/12/13	28	28	0.01	-	-	0.01	-	0	CTR	0.01	0.00	0 exceedances in 7 Year(s)	0%
Dry	alpha-chlordane	µg/L	10/31/06	06/12/13	27	27	0.04	-	-	0.05	-						
Dry	Anthracene	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	110,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Atrazine	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-						
Dry	Benzidine	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-	0	CTR	0.00054	0.00	0 exceedances in 7 Year(s)	0%
Dry	Benzo(a)pyrene	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	Benzo(k)flouranthene	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	beta-BHC	µg/L	10/31/06	06/12/13	28	28	0.01	-	-	0.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	BOD	mg/L	10/10/02	06/12/13	33	4	10.14	-	45.9	7.77	8.78						
Dry	Butyl benzyl phthalate	µg/L	10/31/06	06/12/13	28	28	2.74	-	-	5.00	-	0	CTR	5,200.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Chlordane	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.03	-	0	CTR	0.00059	0.00	0 exceedances in 7 Year(s)	0%
Dry	Chloride	mg/L	10/10/02	06/12/13	33	3	119.69	-	314	151.00	156						
Dry	Chlorpyrifos	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.03	-						
Dry	Chrysene	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	Cyanazine	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-						
Dry	Cyanide	mg/L	04/02/07	04/09/13	20	10	0.01	-	0.049	0.00	0.0095	0	Basin Plan	5.20	0.00	0 exceedances in 7 Year(s)	0%
Dry	delta-BHC	µg/L	10/31/06	06/12/13	28	28	0.01	-	-	0.00	-						
Dry	Diazinon	µg/L	10/31/06	06/12/13	28	28	0.00	-	-	0.01	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	Dieldrin	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.01	-	0	CTR	0.00014	0.00	0 exceedances in 7 Year(s)	0%
Dry	Diethyl phthalate	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	120,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Dimethyl phthalate	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	2,900,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	di-n-Butyl phthalate	µg/L	10/28/03	06/12/13	26	25	4.59	-	4.3	5.00	4.3	0	CTR	12,000.00	0.00	0 exceedances in 10 Year(s)	0%
Dry	di-n-Octyl phthalate	µg/L	10/31/06	06/12/13	25	25	4.60	-	-	5.00	-						
Dry	Dissolved Aluminum	µg/L	10/31/06	06/12/13	28	20	119.78	-	780	50.00	258						
Dry	Dissolved Antimony	µg/L	10/10/02	06/12/13	31	7	1.93	-	5.94	1.84	1.815	0	CTR	4,300.00	0.00	0 exceedances in 11 Year(s)	0%
Dry	Dissolved Arsenic	µg/L	10/10/02	06/12/13	31	11	1.67	-	3.55	1.63	1.775	0	CTR	150.00	0.00	0 exceedances in 11 Year(s)	0%
Dry	Dissolved Barium	µg/L	01/24/06	06/12/13	30	7	53.84	-	91.2	57.15	60.1						
Dry	Dissolved Cadmium	µg/L	10/31/06	06/12/13	28	21	0.21	-	0.494	0.13	0.339	0	CTR	Hardness Dependent	0.00	0 exceedances in 7 Year(s)	0%
Dry	Dissolved Chromium	µg/L	10/10/02	06/12/13	33	7	2.51	-	6.65	1.90	1.855						
Dry	Dissolved Chromium +6	µg/L	10/31/06	06/12/13	28	21	1.16	-	1.27	0.63	0.46	0	CTR	11.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Dissolved Copper	µg/L	10/10/02	06/12/13	33	7	16.45	-	64.4	12.00	11.9	7	CTR	Hardness Dependent	0.02	7 exceedances in 11 Year(s)	21%
Dry	Dissolved Iron	µg/L	10/31/06	06/12/13	28	16	211.32	-	1260	66.35	281.5						
Dry	Dissolved Lead	µg/L	04/30/03	06/12/13	30	11	2.40	-	21.8	0.65	1.18	1	TMDL	Hardness Dependent	0.00	1 exceedances in 11 Year(s)	3%
Dry	Dissolved Mercury	µg/L	10/31/06	06/12/13	28	28	0.19	-	-	0.25	-	0	Basin Plan	0.05	0.00	0 exceedances in 7 Year(s)	0%

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Dry	Dissolved Nickel	µg/L	10/10/02	06/12/13	33	7	3.90	-	6.64	4.03	3.7	0	CTR	Hardness Dependent	0.00	0 exceedances in 11 Year(s)	0%
Dry	Dissolved Oxygen	mg/L	10/10/02	04/09/13	25		14.82	7.8	24.9	14.18	14.18	0	Basin Plan	5.00	0.00	0 exceedances in 11 Year(s)	0%
Dry	Dissolved Phosphorus	mg/L	10/10/02	06/12/13	33	5	0.21	-	0.89	0.16	0.19						
Dry	Dissolved Selenium	µg/L	10/10/02	06/12/13	32	12	1.93	-	5.98	2.00	2.155						
Dry	Dissolved Silver	µg/L	10/31/06	06/12/13	28	28	0.64	-	-	0.13	-						
Dry	Dissolved Thallium	µg/L	10/31/06	06/12/13	28	28	0.39	-	-	0.50	-						
Dry	Dissolved Zinc	µg/L	10/10/02	06/12/13	33	3	63.59	-	368	35.80	37.4	2	CTR	Hardness Dependent	0.01	2 exceedances in 11 Year(s)	6%
Dry	Endosulfan sulfate	µg/L	10/31/06	06/12/13	28	28	0.03	-	-	0.03	-	0	CTR	240.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Endrin	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.01	-	0	CTR	0.81	0.00	0 exceedances in 7 Year(s)	0%
Dry	Endrin aldehyde	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.01	-	0	CTR	0.81	0.00	0 exceedances in 7 Year(s)	0%
Dry	Fecal Coliform	MPN/100mL	10/10/02	04/09/13	27		24,415.56	20	240000	1,300.00	1300	19	Basin Plan	400.00	0.07	19 exceedances in 11 Year(s)	70%
Dry	Fecal Enterococcus	MPN/100ml	10/10/02	04/09/13	27	2	21,893.33	-	240000	500.00	500						
Dry	Fecal Streptococcus	MPN/100ml	10/10/02	04/09/13	27	1	24,537.04	-	240000	500.00	500						
Dry	Fluoranthene	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.03	-	0	CTR	370.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Fluorene	µg/L	10/31/06	06/12/13	28	28	0.05	-	-	0.05	-	0	CTR	14,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	gamma-BHC (lindane)	µg/L	10/31/06	06/12/13	28	28	0.01	-	0.0109	0.01	-	0	CTR	0.06	0.00	0 exceedances in 7 Year(s)	0%
Dry	gamma-chlordane	µg/L	10/31/06	06/12/13	27	27	0.04	-	-	0.05	-						
Dry	Glyphosate	µg/L	10/31/06	06/12/13	28	25	7.44	-	53.5	2.50	9.07						
Dry	Hardness	mg/L	10/10/02	04/25/06	26		285.38	170	430	270.00	270						
Dry	Heptachlor	µg/L	10/31/06	06/12/13	28	28	0.01	-	-	0.01	-	0	CTR	0.00021	0.00	0 exceedances in 7 Year(s)	0%
Dry	Heptachlor Epoxide	µg/L	10/31/06	06/12/13	28	28	0.01	-	-	0.01	-	0	CTR	0.00011	0.00	0 exceedances in 7 Year(s)	0%
Dry	Hexachlorobenzene	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	0.00077	0.00	0 exceedances in 7 Year(s)	0%
Dry	Hexachlorobutadiene	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	50.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Hexachloro-cyclopentadiene	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-	0	CTR	17,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Hexachloroethane	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	8.90	0.00	0 exceedances in 7 Year(s)	0%
Dry	Isophorone	µg/L	04/25/06	06/12/13	29	28	0.46	-	0.24	0.50	0.24	0	CTR	600.00	0.00	0 exceedances in 8 Year(s)	0%
Dry	Kjeldahl-N	mg/L	10/10/02	06/12/13	33		1.68	0.1	8.4	1.24	1.24						
Dry	Malathion	µg/L	10/31/06	06/12/13	28	28	0.66	-	-	0.50	-						
Dry	MBAS	mg/L	01/24/06	04/25/06	2		0.10	0.076	0.131	0.10	0.1035						
Dry	Methyl Tertiary Butyl Ether	µg/L	04/02/07	04/09/13	20	20	0.50	-	-	0.50	-						
Dry	Naphthalene	µg/L	10/31/06	06/12/13	28	28	0.09	-	-	0.10	-						
Dry	NH3-N	mg/L	10/10/02	06/12/13	31	8	0.29	-	1.48	0.21	0.27						
Dry	Nitrate	mg/L	10/10/02	04/25/06	5		5.82	2.47	13.9	3.70	3.7	0	Basin Plan	45.00	0.00	0 exceedances in 4 Year(s)	0%
Dry	Nitrate-N	mg/L	10/10/02	06/12/13	28	3	1.66	-	3.19	1.77	1.975	0	Basin Plan	10.00	0.00	0 exceedances in 11 Year(s)	0%
Dry	Nitrite-N	mg/L	10/10/02	06/12/13	31	21	0.05	-	0.457	0.02	0.064	0	Basin Plan	1.00	0.00	0 exceedances in 11 Year(s)	0%
Dry	Nitrobenzene	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	1,900.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	N-Nitroso-dimethyl amine	µg/L	10/31/06	07/20/09	13	13	2.12	-	-	2.50	-						
Dry	N-Nitroso-di-n-propyl amine	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-	0	CTR	1.40	0.00	0 exceedances in 7 Year(s)	0%
Dry	N-Nitroso-diphenyl amine	µg/L	10/31/06	07/20/09	13	13	0.42	-	-	0.50	-						
Dry	Oil and Grease	mg/L	04/02/07	04/09/13	20	18	3.28	-	28.2	2.50	14.75						
Dry	Pentachlorophenol	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	8.20	0.00	0 exceedances in 7 Year(s)	0%
Dry	pH	0.00	10/10/02	06/12/13	33		8.05	6.19	9.62	8.22	8.22	9	Basin Plan	8.50	0.03	9 exceedances in 11 Year(s)	27%
Dry	Phenanthrene	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.03	-						
Dry	Phenol	µg/L	10/31/06	06/12/13	27	27	0.49	-	-	0.50	-	0	CTR	4,600,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Prometryn	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-						
Dry	Pyrene	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.03	-	0	CTR	11,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Ratio Fecal Coliform/Total Coliform	0.00	10/10/02	04/25/06	5		0.15	0.02	0.43	0.10	0.10						
Dry	Simazine	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-						
Dry	Specific Conductance	umhos/cm	10/10/02	06/12/13	33		809.23	1.2	1670	1,025.00	1025						
Dry	Sulfate	mg/L	10/10/02	06/12/13	33	3	76.04	-	186	84.00	89.2						
Dry	Total Aluminum	µg/L	04/30/03	04/25/06	3		140.67	100	218	104.00	104						
Dry	Total Antimony	µg/L	10/10/02	04/25/06	4		0.90	0.54	1.23	0.91	0.91						
Dry	Total Arsenic	µg/L	10/10/02	04/25/06	4		2.16	1.17	3.55	1.97	1.965						
Dry	Total Barium	µg/L	10/19/05	04/25/06	4		72.10	14.2	161	56.60	56.6						
Dry	Total Chromium	µg/L	10/10/02	04/25/06	5		7.82	2.08	12.4	7.29	7.29						
Dry	Total Coliform	MPN/100ml	10/10/02	04/09/13	27		100,848.15	300	900000	16,000.00	16000						
Dry	Total Copper	µg/L	10/10/02	04/25/06	5		15.41	6.36	26.2	13.80	13.8						

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Dry	Total Dissolved Solids	mg/L	10/10/02	06/12/13	33	3	500.35	-	1080	622.00	674						
Dry	Total Iron	µg/L	10/10/02	04/25/06	4		225.00	133	398	184.50	184.5						
Dry	Total Lead	µg/L	10/10/02	04/25/06	5		1.26	0.59	2.54	0.85	0.85						
Dry	Total Nickel	µg/L	10/10/02	04/25/06	5		10.40	2.32	26	2.87	2.87						
Dry	Total Organic Carbon	mg/L	10/10/02	06/12/13	54	3	11.25	-	47.5	10.25	11						
Dry	Total Phosphorus	mg/L	10/10/02	04/25/06	5		0.16	0.094	0.258	0.15	0.148						
Dry	Total Selenium	µg/L	10/10/02	04/25/06	4		2.00	1.29	3.09	1.80	1.8	0	CTR	5.00	0.00	0 exceedances in 4 Year(s)	0%
Dry	Total Suspended Solids	mg/L	10/10/02	06/12/13	64	9	52.19	-	252	24.00	27						
Dry	Total Zinc	µg/L	10/10/02	04/25/06	5		33.07	9.15	83	27.70	27.7						
Dry	Toxaphene	µg/L	10/31/06	06/12/13	28	28	0.33	-	-	0.25	-	0	CTR	0.00075	0.00	0 exceedances in 7 Year(s)	0%
Dry	Turbidity	NTU	10/10/02	06/12/13	33	1	4.22	-	28.3	2.41	2.505						
Dry	Volatile Suspended Solids	mg/L	10/10/02	06/12/13	33	2	24.58	-	91	14.00	17						
Dry	Bis(2-Chloroethoxy) methane	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-						
Dry	Bis(2-Chloroisopropyl) ether	µg/L	10/31/06	06/12/13	28	28	0.93	-	-	1.00	-	0	CTR	170,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	4-chloro-3-methylphenol	µg/L	10/31/06	06/12/13	30	30	0.90	-	-	0.50	-						
Dry	Bis(2-Chloroethyl) ether	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	1.40	0.00	0 exceedances in 7 Year(s)	0%
Dry	Bis(2-Ethylhexl) phthalate	µg/L	10/28/03	06/12/13	30	29	7.12	-	146	2.50	146	1	CTR	5.90	0.00	1 exceedances in 10 Year(s)	3%
Dry	4-6-Dinitro-2-methylphenol	µg/L	10/31/06	06/12/13	28	28	2.04	-	-	2.50	-						
Dry	Indeno (1,2,3-cd) pyrene	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.03	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	Chemical Oxygen Demand	mg/L	10/10/02	06/12/13	33	4	63.64	-	328	58.30	62.2						
Dry	Fluoride	mg/L	10/10/02	06/12/13	33	3	0.44	-	0.863	0.43	0.513						
Dry	Dissolved Beryllium	µg/L	10/31/06	06/12/13	28	28	0.26	-	-	0.25	-						
Dry	2-4-dinitrophenol	µg/L	10/31/06	06/12/13	30	30	1.83	-	-	1.50	-	0	CTR	14,000.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Endosulfan I (alpha)	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.01	-						
Dry	Endosulfan II (beta)	µg/L	10/31/06	06/12/13	28	28	0.02	-	-	0.01	-						
Dry	Cadmium	µg/L	05/16/05	06/12/13	65	30	0.52	-	2.16	0.16	0.255						
Dry	Chromium	µg/L	05/16/05	06/12/13	65	6	2.72	-	16.8	1.56	1.55						
Dry	Nickel	µg/L	05/16/05	06/12/13	65	13	3.87	-	23.2	3.61	3.43						
Dry	1-2-Diphenylhydrazine	µg/L	10/31/06	06/12/13	28	28	0.46	-	-	0.50	-	0	CTR	0.54	0.00	0 exceedances in 7 Year(s)	0%
Dry	2-4'-DDD	µg/L	10/31/06	07/20/09	13	13	0.02	-	-	0.03	-						
Dry	2-4'-DDE	µg/L	10/31/06	07/20/09	13	13	0.02	-	-	0.03	-						
Dry	2-4'-DDT	µg/L	10/31/06	07/20/09	13	13	0.00	-	-	0.00	-						
Dry	2-4-6-trichlophenol	µg/L	10/31/06	07/13/09	12	12	0.42	-	-	0.50	-						
Dry	2-4-Dinitrotoluene	µg/L	10/31/06	06/12/13	28	28	2.32	-	-	2.50	-						
Dry	2-4-dimethylphenol	µg/L	10/31/06	06/12/13	30	30	0.93	-	-	1.00	-						
Dry	Benzo[b]fluoranthene	µg/L	10/31/06	06/12/13	28	28	2.70	-	-	5.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	Benzo[g-h-i]perylene	µg/L	10/31/06	06/12/13	28	28	1.44	-	-	2.50	-						
Dry	Beryllium	µg/L	05/16/05	06/12/13	65	65	0.43	-	-	0.25	-						
Dry	Dibenzo(a-h)anthracene	µg/L	10/31/06	06/12/13	28	28	0.05	-	-	0.05	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Dry	Endrin ketone	µg/L	10/31/06	07/20/09	13	13	0.42	-	-	0.50	-						
Dry	Mercury	µg/L	05/16/05	06/12/13	65	51	0.12	-	0.235	0.05	0.013	1	Basin Plan	0.05	0.00	1 exceedances in 9 Year(s)	2%
Dry	Methoxychlor	µg/L	10/31/06	06/12/13	28	28	0.23	-	-	0.25	-						
Dry	Methylene Blue Active Substances (MBAS)	mg/L	10/31/06	06/12/13	28	15	0.30	-	1.4	0.18	0.23						
Dry	PCB-1016 (Aroclor 1016)	µg/L	10/31/06	06/12/13	28	28	0.17	-	-	0.25	-						
Dry	PCB-1221 (Aroclor 1221)	µg/L	10/31/06	06/12/13	31	31	0.18	-	-	0.25	-						
Dry	PCB-1232 (Aroclor 1232)	µg/L	10/31/06	06/12/13	28	28	0.17	-	-	0.25	-						
Dry	PCB-1242 (Aroclor 1242)	µg/L	10/31/06	06/12/13	28	28	0.17	-	-	0.25	-						
Dry	PCB-1248 (Aroclor 1248)	µg/L	10/31/06	06/12/13	28	28	0.17	-	-	0.25	-						
Dry	PCB-1254 (Aroclor 1254)	µg/L	10/31/06	06/12/13	28	28	0.17	-	-	0.25	-						
Dry	PCB-1260 (Aroclor 1260)	µg/L	10/31/06	06/12/13	28	28	0.17	-	-	0.25	-						
Dry	Thallium	µg/L	05/16/05	06/12/13	65	65	0.39	-	-	0.50	-						
Dry	Phenolics- Total recoverable	mg/L	04/02/07	04/09/13	20	18	0.06	-	0.17	0.05	0.15						
Dry	Total Petroleum Hydrocarbons	mg/L	04/02/07	04/09/13	20	19	2.03	-	6.02	2.50	6.02						
Dry	Phosphorus- Total (as P)	mg/L	10/31/06	06/12/13	28	3	0.35	-	1.26	0.28	0.32						
Dry	Nitrate (NO3)	mg/L	10/31/06	06/12/13	23	3	7.57	-	14.1	8.75	9.69	0	Basin Plan	45.00	0.00	0 exceedances in 7 Year(s)	0%
Dry	Ammonia	mg/l	03/17/06	06/12/13	33	9	0.37	-	1.79	0.11	0.285	5	Basin Plan	0.66	0.02	5 exceedances in 8 Year(s)	15%

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Dry	Selenium	µg/L	05/16/05	06/12/13	65	29	1.62	-	6.62	1.62	1.735	0			0.00		
Dry	Carbofuran	µg/L	10/12/07	04/09/08	3	3	2.50	-	-	2.50	-						
Dry	1-2-Benzanthracene	µg/L	04/09/08	06/12/13	22	22	1.72	-	-	2.50	-						
Dry	2-4-6-Trichlorophenol	µg/L	07/13/09	06/12/13	19	19	4.05	-	-	5.00	-						
Dry	N-Nitrosodimethylamine	µg/L	07/13/09	06/12/13	17	17	2.50	-	-	2.50	-	0	CTR	8.10	0.00	0 exceedances in 4 Year(s)	0%
Dry	N-Nitrosodiphenylamine	µg/L	07/13/09	06/12/13	17	17	0.50	-	-	0.50	-	0	CTR	16.00	0.00	0 exceedances in 4 Year(s)	0%
Dry	Aluminum	µg/L	05/16/05	06/12/13	65	19	491.28	-	6780	19.70	15.25						
Dry	Arsenic	µg/L	05/16/05	06/12/13	65	14	1.46	-	4.31	1.54	1.56	0	CTR	150.00	0.00	0 exceedances in 9 Year(s)	0%
Dry	Barium	µg/L	10/31/06	06/12/13	28	7	77.77	-	181	78.65	82.4	0			0.00		
Dry	Silver	µg/L	05/16/05	06/12/13	65	64	0.69	-	1.3	0.13	1.3						
Dry	Copper	µg/L	05/16/05	06/12/13	65	5	21.47	-	245	12.90	9.045						
Dry	Iron	µg/L	05/16/05	06/12/13	65	5	730.17	-	9710	92.70	94.5						
Dry	Lead	µg/L	05/16/05	06/12/13	65	6	4.49	-	79.6	0.83	0.71						
Dry	Zinc	µg/L	05/16/05	06/12/13	65	3	82.24	-	1300	21.50	20.65						
Dry	Alkalinity as CaCO3	mg/L	10/31/06	06/12/13	28	2	129.81	-	264	176.45	178.5						
Dry	Hardness as CaCO3	mg/L	10/31/06	06/12/13	28		207.93	2	390	270.00	270						
Dry	Chromium +6	µg/L	10/31/06	06/12/13	28	20	1.26	-	1.27	0.71	0.465						
Dry	Alkalinity as Bicarbonate	mg/L	09/21/10	09/22/11	5	1	117.54	-	193	152.00	165.5						
Dry	E. Coli	MPN/100mL	10/10/12	04/09/13	4		8,239.85	393	21870	5,348.20	5348.2	4	Basin Plan	235.00	2.02	4 exceedances in 1 Year(s)	100%
Dry	Antimony	µg/L	05/16/05	06/12/13	65	16	1.90	-	9.53	1.36	1.36	0	CTR	4,300.00	0.00	0 exceedances in 9 Year(s)	0%
Dry	Benzioic Acid	µG/L	11/16/04	03/09/05	2	2		-	-	0.00	-						
Dry	Benzyl alcohol	µG/L	11/16/04	03/09/05	2	2		-	-	0.00	-						
Dry	Alkalinity (mg/L as CaCO3)	mg/L as CaCO3	05/16/05	03/17/06	21		194.76	110	270	180.00	180						
Dry	Baryium	µg/L	08/17/05	03/17/06	21		42.73	0.09	97.4	0.10	53.09999847						
Dry	Cobalt	µg/L	05/16/05	03/17/06	37	11	0.16	0.011	0.32	0.22	0.216						
Dry	Detectable DDTs (µg/L)	µg/L	05/16/05	03/17/06	21	20	-	-	-	-	-						
Dry	Dissolved Organic Carbon	mg/L	05/16/05	03/17/06	21		10.90	5.3	15	12.00	12						
Dry	Manganese	µg/L	05/16/05	03/17/06	37		6.25	0.356	31.3	4.00	4						
Dry	Molybdenum	µg/L	05/16/05	03/17/06	37	14	12.37	0.03	49.9	8.20	8.2						
Dry	Other Pesticides (µg/L)	µg/L	05/16/05	03/17/06	21	21	#DIV/0!	0	0	#NUM!	-						
Dry	Strontium	µg/L	08/17/05	03/17/06	21		447.23	0.06	988	0.07	551.00						
Dry	Tin	µg/L	05/16/05	03/17/06	37	25	0.07	0.016	0.230000004	0.02	0.0205						
Dry	Titanium	µg/L	05/16/05	03/17/06	37		0.54	0.05	3.150000095	0.37	0.373						
Dry	Total Aroclors	µg/L	05/16/05	03/17/06	21	21	-	-	-	-	-						
Dry	Total PAHs (ng/L)	ng/L	05/16/05	03/17/06	21		45.36	14.1	117.1999969	43.00	43						
Dry	Vanadium	µg/L	05/16/05	03/17/06	37	7	3.15	0.02	6.86	3.89	3.885						
Wet	1,2 Benzanthracene	µg/L	12/9/2006	12/18/2007	7	7	0.05	-	-	0.05	-						
Wet	1,2,4-Trichlorobenzene	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-						
Wet	1,2-Dichlorobenzene	µg/L	12/9/2006	1/24/2013	27	27	0.39	-	-	0.50	-	0	CTR	17,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	1,3-Dichlorobenzene	µg/L	12/9/2006	1/24/2013	27	27	0.39	-	-	0.50	-	0	CTR	2,600.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	1,4-Dichlorobenzene	µg/L	12/9/2006	1/24/2013	27	27	0.39	-	-	0.50	-	0	CTR	2,600.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	2- Chlorophenol	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	400.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	2,4,5-TP-SILVEX	µg/L	12/9/2006	1/24/2013	27	27	1.54	-	-	0.10	-						
Wet	2,4-D	µg/L	12/9/2006	1/24/2013	27	27	0.75	-	-	0.01	-						
Wet	2,4-dichlorophenol	µg/L	12/9/2006	1/24/2013	28	28	0.61	-	-	0.50	-	0	CTR	790.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	2,6-Dinitrotoluene	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-						
Wet	2-Chloroethyl vinyl ether	µg/L	12/9/2006	1/24/2013	36	36	1.00	-	-	1.25	-						
Wet	2-Chloronaphthalene	µg/L	12/9/2006	1/24/2013	27	27	4.44	-	-	5.00	-	0	CTR	4,300.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	2-nitrophenol	µg/L	12/9/2006	1/24/2013	28	28	3.34	-	-	5.00	-						
Wet	3,3-Dichlorobenzidine	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-						
Wet	4,4'-DDD	µg/L	11/4/2008	1/24/2013	17	17	0.03	-	-	0.03	-	0	CTR	0.00084	0.00	0 exceedances in 5 Year(s)	0%
Wet	4,4'-DDE	µg/L	11/4/2008	1/24/2013	17	17	0.03	-	-	0.03	-	0	CTR	0.00059	0.00	0 exceedances in 5 Year(s)	0%

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Wet	4,4'-DDT	µg/L	11/4/2008	1/24/2013	17	17	0.00	-	-	0.01	-	0	TMDL	1.10	0.00	0 exceedances in 5 Year(s)	0%
Wet	4-Bromophenyl phenyl ether	µg/L	12/9/2006	1/24/2013	27	27	1.63	-	-	2.50	-						
Wet	4-Chlorophenyl phenyl ether	µg/L	12/9/2006	1/24/2013	27	27	1.50	-	-	2.50	-						
Wet	4-nitrophenol	µg/L	12/9/2006	1/24/2013	28	28	1.91	-	-	2.50	-						
Wet	Acenaphthene	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	2,700.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Acenaphthylene	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-						
Wet	Aldrin	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.00	-	0	CTR	0.00014	0.00	0 exceedances in 7 Year(s)	0%
Wet	Alkalinity	mg/L	11/8/2002	2/27/2006	12		49.77	11	113.3	32.45	32.45						
Wet	alpha-BHC	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.01	-	0	CTR	0.01	0.00	0 exceedances in 7 Year(s)	0%
Wet	alpha-chlordane	µg/L	12/9/2006	1/24/2013	27	27	0.04	-	-	0.05	-						
Wet	Anthracene	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	110,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Atrazine	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-						
Wet	Benzidine	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-	0	CTR	0.00054	0.00	0 exceedances in 7 Year(s)	0%
Wet	Benzo(a)pyrene	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Benzo(k)flouranthene	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	beta-BHC	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	BOD	mg/L	11/8/2002	1/24/2013	40		19.20	3.39	146	12.65	12.65						
Wet	Butyl benzyl phthalate	µg/L	12/9/2006	1/24/2013	27	27	2.96	-	3.66	5.00	-	0	CTR	5,200.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Chlordane	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.03	-	0	CTR	0.00059	0.00	0 exceedances in 7 Year(s)	0%
Wet	Chloride	mg/L	11/8/2002	1/24/2013	39		27.45	2.58	96.7	15.80	15.8						
Wet	Chlorpyrifos	µg/L	10/17/2005	1/24/2013	28	27	0.05	-	0.91	0.03	0.91						
Wet	Chrysene	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Cyanazine	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-						
Wet	Cyanide	mg/L	12/25/2003	1/24/2013	34	15	0.02	-	0.338	0.01	0.009	0	Basin Plan	22.00	0.00	0 exceedances in 10 Year(s)	0%
Wet	delta-BHC	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.00	-						
Wet	Diazinon	µg/L	2/11/2003	1/24/2013	31	27	0.05	-	0.96	0.01	0.271	3	CTR	0.08	0.01	3 exceedances in 10 Year(s)	10%
Wet	Dieldrin	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.01	-	0	CTR	0.00014	0.00	0 exceedances in 7 Year(s)	0%
Wet	Diethyl phthalate	µg/L	1/1/2004	1/24/2013	28	27	0.90	-	1.2	1.00	1.2	0	CTR	120,000.00	0.00	0 exceedances in 10 Year(s)	0%
Wet	Dimethyl phthalate	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	2,900,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	di-n-Butyl phthalate	µg/L	12/9/2006	1/24/2013	23	23	4.35	-	-	5.00	-	0	CTR	12,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	di-n-Octyl phthalate	µg/L	12/9/2006	1/24/2013	23	23	4.35	-	-	5.00	-						
Wet	Dissolved Aluminum	µg/L	10/17/2005	1/24/2013	28	13	387.71	-	1790	133.00	516.5						
Wet	Dissolved Antimony	µg/L	11/8/2002	1/24/2013	38	3	2.81	-	7.33	2.55	2.33	0	CTR	4,300.00	0.00	0 exceedances in 11 Year(s)	0%
Wet	Dissolved Arsenic	µg/L	11/8/2002	1/24/2013	36	2	1.81	-	3.03	1.64	1.67	0	CTR	340.00	0.00	0 exceedances in 11 Year(s)	0%
Wet	Dissolved Barium	µg/L	10/18/2005	1/24/2013	31	3	42.72	-	177	27.70	26.15						
Wet	Dissolved Cadmium	µg/L	12/16/2002	1/24/2013	28	19	0.37	-	2.59	0.13	0.522	0	CTR	Hardness Dependent	0.00	0 exceedances in 11 Year(s)	0%
Wet	Dissolved Chromium	µg/L	11/8/2002	1/24/2013	39	3	2.66	-	8.16	2.11	2.04						
Wet	Dissolved Chromium +6	µg/L	12/9/2006	1/24/2013	27	20	1.20	-	0.88	0.71	0.46	0	CTR	11.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Dissolved Copper	µg/L	11/8/2002	1/24/2013	39	1	32.60	-	163	18.80	18.75	21	TMDL	Hardness Dependent	0.05	21 exceedances in 11 Year(s)	54%
Wet	Dissolved Iron	µg/L	11/8/2002	1/24/2013	34	5	590.94	-	3220	206.00	435						
Wet	Dissolved Lead	µg/L	11/8/2002	1/24/2013	34	1	8.69	-	59	2.40	2.4	5	TMDL	Hardness Dependent	0.01	5 exceedances in 11 Year(s)	15%
Wet	Dissolved Mercury	µg/L	12/9/2006	1/24/2013	27	27	0.18	-	-	0.25	-	0	Basin Plan	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Dissolved Nickel	µg/L	11/8/2002	1/24/2013	39	3	5.82	-	27	4.49	3.9	0	CTR	Hardness Dependent	0.00	0 exceedances in 11 Year(s)	0%
Wet	Dissolved Oxygen	mg/L	11/8/2002	1/24/2013	42	1	9.73	-	13.47	9.86	9.92	1	Basin Plan	5.00	0.00	1 exceedances in 11 Year(s)	2%
Wet	Dissolved Phosphorus	mg/L	11/8/2002	1/24/2013	38	1	0.27	-	0.742	0.21	0.21						
Wet	Dissolved Selenium	µg/L	11/8/2002	1/24/2013	30	24	0.82	-	1.66	0.50	1.33						
Wet	Dissolved Silver	µg/L	12/9/2006	1/24/2013	27	27	0.65	-	-	0.13	-	0	CTR	Hardness Dependent	0.00	0 exceedances in 7 Year(s)	0%
Wet	Dissolved Thallium	µg/L	12/9/2006	1/24/2013	27	27	0.37	-	-	0.50	-						
Wet	Dissolved Zinc	µg/L	11/8/2002	1/24/2013	39		213.56	19	1510	107.00	107	18	TMDL	Hardness Dependent	0.05	18 exceedances in 11 Year(s)	46%
Wet	Endosulfan sulfate	µg/L	12/9/2006	1/24/2013	27	27	0.03	-	-	0.03	-	0	CTR	240.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Endrin	µg/L	12/9/2006	1/24/2013	27	27	0	-	-	0.01	-	0	CTR	0.81	0.00	0 exceedances in 7 Year(s)	0%
Wet	Endrin aldehyde	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.01	-	0	CTR	0.81	0.00	0 exceedances in 7 Year(s)	0%
Wet	Fecal Coliform	MPN/100mL	11/8/2002	1/24/2013	46		194,961.09	110	1700000	32,500.00	32500	44	Basin Plan	400.00	0.09	44 exceedances in 11 Year(s)	96%
Wet	Fecal Enterococcus	MPN/100ml	11/8/2002	1/24/2013	46		196,259.35	130	900000	90,000.00	90000						
Wet	Fecal Streptococcus	MPN/100ml	11/8/2002	1/24/2013	46		217,172.39	130	900000	160,000.0	160000						
Wet	Fluoranthene	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.03	-	0	CTR	370.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Fluorene	µg/L	12/9/2006	1/24/2013	27	27	0.04	-	-	0.05	-	0	CTR	14,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	gamma-BHC (lindane)	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.01	-	0	CTR	0.06	0.00	0 exceedances in 7 Year(s)	0%

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Wet	gamma-chlordane	µg/L	12/9/2006	1/24/2013	27	27	0.04	-	-	0.05	-						
Wet	Glyphosate	µg/L	12/9/2006	1/24/2013	27	20	7.86	-	17.5	8.80	12.3						
Wet	Hardness	mg/L	11/8/2002	2/28/2006	22	5	103.17	15.2	300	70.00	70						
Wet	Heptachlor	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.01	-	0	CTR	0.00021	0.00	0 exceedances in 7 Year(s)	0%
Wet	Heptachlor Epoxide	µg/L	12/9/2006	1/24/2013	27	27	0.01	-	-	0.01	-	0	CTR	0.00011	0.00	0 exceedances in 7 Year(s)	0%
Wet	Hexachlorobenzene	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	0.00077	0.00	0 exceedances in 7 Year(s)	0%
Wet	Hexachlorobutadiene	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	50.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Hexachloro-cyclopentadiene	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-	0	CTR	17,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Hexachloroethane	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	8.90	0.00	0 exceedances in 7 Year(s)	0%
Wet	Isophorone	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	600.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Kjeldahl-N	mg/L	11/8/2002	1/24/2013	39		3.22	0.193	16.2	1.72	1.72						
Wet	Malathion	µg/L	12/9/2006	1/24/2013	26	26	0.60	-	-	0.50	-						
Wet	MBAS	mg/L	11/8/2002	2/27/2006	9		0.22	0.071	0.5998	0.18	0.184						
Wet	Methyl Tertiary Butyl Ether (MTBE)	µg/L	11/1/2006	1/24/2013	30	29	0.50	-	-	0.50	-						
Wet	Naphthalene	µg/L	12/9/2006	1/24/2013	27	27	0.09	-	-	0.10	-						
Wet	NH3-N	mg/L	11/8/2002	1/24/2013	35	2	0.79	-	3.26	0.42	0.55						
Wet	Nitrate	mg/L	12/16/2002	2/27/2006	11		4.50	2.28	9.69	4.02	4.02	0	Basin Plan	45.00	0.00	0 exceedances in 4 Year(s)	0%
Wet	Nitrate-N	mg/L	12/16/2002	1/24/2013	32		1.06	0.504	3.35	0.84	0.8365	0	Basin Plan	10.00	0.00	0 exceedances in 11 Year(s)	0%
Wet	Nitrite-N	mg/L	2/11/2003	1/24/2013	33	22	0.06	-	0.514	0.02	0.085	0	Basin Plan	1.00	0.00	0 exceedances in 10 Year(s)	0%
Wet	Nitrobenzene	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	1,900.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	N-Nitroso-dimethyl amine	µg/L	12/9/2006	2/13/2009	11	11	1.82	-	-	2.50	-						
Wet	N-Nitroso-di-n-propyl amine	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-	0	CTR	1.40	0.00	0 exceedances in 7 Year(s)	0%
Wet	N-Nitroso-diphenyl amine	µg/L	12/9/2006	2/13/2009	11	11	0.36	-	-	0.50	-						
Wet	Oil and Grease	mg/L	11/8/2002	1/24/2013	38	20	2.37	-	5.8	2.28	1.95						
Wet	Pentachlorophenol	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	8.20	0.00	0 exceedances in 7 Year(s)	0%
Wet	pH	0.00	11/8/2002	1/24/2013	39		7.10	5.99	8.26	6.96	6.96	5	Basin Plan	8.50	0.01	5 exceedances in 11 Year(s)	13%
Wet	Phenanthrene	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.03	-						
Wet	Phenol	µg/L	12/9/2006	1/24/2013	27	27	0.48	-	-	0.50	-	0	CTR	4,600,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Prometryn	µg/L	12/9/2006	1/24/2013	27	27	1	-	-	1.00	-						
Wet	Pyrene	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.03	-	0	CTR	11,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Ratio Fecal Coliform/Total Coliform	0.00	11/8/2002	2/27/2006	12		0.80	0.34	1.02	0.99	0.98622549						
Wet	Simazine	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-						
Wet	Specific Conductance	umhos/cm	11/8/2002	1/24/2013	39		237.88	47.6	735	162.00	162						
Wet	Sulfate	mg/L	11/8/2002	1/24/2013	39		19.80	2.89	50.8	12.80	12.8						
Wet	Total Aluminum	µg/L	11/8/2002	2/27/2006	9		769.22	134	2270	560.00	560						
Wet	Total Antimony	µg/L	11/8/2002	2/27/2006	11		2.84	1.11	7.42	1.75	1.75						
Wet	Total Arsenic	µg/L	11/8/2002	2/27/2006	11		5.29	1.04	34.7	1.80	1.8						
Wet	Total Barium	µg/L	1/14/2006	2/27/2006	2		26.55	17.8	35.3	26.55	26.55						
Wet	Total Cadmium	µg/L	11/8/2002	10/17/2005	4		0.84	0.37	1.55	0.73	0.725						
Wet	Total Chromium	µg/L	11/8/2002	2/27/2006	12		6.15	1.56	12.3	5.28	5.275						
Wet	Total Coliform	MPN/100ml	11/8/2002	1/24/2013	46		559,293.48	500	3000000	240,000.00	240000						
Wet	Total Copper	µg/L	11/8/2002	2/27/2006	12		30.90	6.33	115	22.70	22.7						
Wet	Total Dissolved Solids	mg/L	11/8/2002	1/24/2013	39		152.82	28	446	106.00	106						
Wet	Total Iron	µg/L	11/8/2002	2/27/2006	11		975.18	191	3780	438.00	438						
Wet	Total Lead	µg/L	11/8/2002	2/27/2006	12		8.24	0.82	39.2	2.78	2.775						
Wet	Total Mercury	µg/L	1/1/2004	1/1/2004	1		0.21	0.209	0.209	0.21	0.209						
Wet	Total Nickel	µg/L	11/8/2002	2/27/2006	12		8.17	3.48	18.9	5.53	5.525						
Wet	Total Organic Carbon	mg/L	11/8/2002	1/24/2013	49		17.83	3.72	70.6	9.90	9.9						
Wet	Total Phosphorus	mg/L	11/8/2002	2/27/2006	11		0.34	0.12	0.874	0.29	0.29						
Wet	Total Selenium	µg/L	11/8/2002	1/14/2006	4		8.32	1.31	28.1	1.94	1.94						
Wet	Total Suspended Solids	mg/L	11/8/2002	5/6/2013	83	2	175.44	11	1123	123.00	123						
Wet	Total Zinc	µg/L	11/8/2002	2/27/2006	12		160.96	55	667	114.00	114						
Wet	Toxaphene	µg/L	12/9/2006	1/24/2013	27	27	0.30	-	-	0.25	-	0	CTR	0.00075	0.00	0 exceedances in 7 Year(s)	0%
Wet	TPH	mg/L	12/16/2002	10/17/200	7		1.90	1.1	3.3	2.00	2						

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
				5													
Wet	Turbidity	NTU	11/8/2002	1/24/2013	40		16.82	1.01	75.7	11.85	11.85						
Wet	Volatile Suspended Solids	mg/L	11/8/2002	1/24/2013	40		71.04	1.3	257	55.50	55.5						
Wet	Bis(2-Chloroethoxy) methane	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-						
Wet	Bis(2-Chloroisopropyl) ether	µg/L	12/9/2006	1/24/2013	27	27	0.89	-	-	1.00	-	0	CTR	170,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	4-chloro-3-methylphenol	µg/L	12/9/2006	1/24/2013	28	28	0.77	-	-	0.50	-						
Wet	Bis(2-Chloroethyl) ether	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	1.40	0.00	0 exceedances in 7 Year(s)	0%
Wet	Bis(2-Ethylhexl) phthalate	µg/L	10/31/2003	1/24/2013	31	28	3.34	-	19.7	2.50	15	3	CTR	5.90	0.01	3 exceedances in 10 Year(s)	10%
Wet	4-6-Dinitro-2-methylphenol	µg/L	1/1/2004	1/24/2013	28	27	2.00	-	4.1	2.50	4.1						
Wet	Indeno (1,2,3-cd) pyrene	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.03	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Chemical Oxygen Demand	mg/L	11/8/2002	1/24/2013	38	1	61.75	16.9	241	43.14	43.4						
Wet	Fluoride	mg/L	11/8/2002	1/24/2013	35	2	0.25	-	0.904	0.22	0.223						
Wet	Total Silver	µg/L	10/17/2005	10/17/2005	1		0.25	0.25	0.25	0.25	0.25						
Wet	Dissolved Beryllium	µg/L	12/9/2006	1/24/2013	27	27	0.24	-	0.154	0.25	-						
Wet	2-4-dinitrophenol	µg/L	12/9/2006	1/24/2013	28	28	1.91	-	-	2.50	-	0	CTR	14,000.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Endosulfan I (alpha)	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.01	-						
Wet	Endosulfan II (beta)	µg/L	12/9/2006	1/24/2013	27	27	0.02	-	-	0.01	-						
Wet	Cadmium	µg/L	2/27/2006	1/24/2013	37	10	0.96	-	6.4	0.50	0.51						
Wet	Chromium	µg/L	2/27/2006	1/24/2013	37		8.74	0.96	43.3	6.26	6.26						
Wet	Nickel	µg/L	2/27/2006	1/24/2013	37	1	10.40	-	47.8	7.03	7.05						
Wet	1-2-Diphenylhydrazine	µg/L	12/9/2006	1/24/2013	27	27	0.44	-	-	0.50	-	0	CTR	0.54	0.00	0 exceedances in 7 Year(s)	0%
Wet	2-4'-DDD	µg/L	12/9/2006	2/13/2009	11	11	0.02	-	-	0.03	-						
Wet	2-4'-DDE	µg/L	12/9/2006	2/13/2009	11	11	0.02	-	-	0.03	-						
Wet	2-4'-DDT	µg/L	12/9/2006	2/13/2009	11	11	0.00	-	-	0.00	-						
Wet	2-4-6-trichlophenol	µg/L	12/9/2006	2/13/2009	11	11	0.36	-	-	0.50	-						
Wet	2-4-Dinitrotoluene	µg/L	12/9/2006	1/24/2013	27	27	2.22	-	-	2.50	-	0			0.00		
Wet	2-4-dimethylphenol	µg/L	12/9/2006	1/24/2013	28	28	0.89	-	-	1.00	-						
Wet	Benzo[b]fluoranthene	µg/L	12/9/2006	1/24/2013	27	27	2.98	-	-	5.00	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Benzo[g-h-i]perylene	µg/L	12/9/2006	1/24/2013	27	27	1.56	-	-	2.50	-						
Wet	Beryllium	µg/L	2/27/2006	1/24/2013	37	35	0.26	-	0.416	0.25	0.155						
Wet	Dibenzo(a-h)anthracene	µg/L	12/9/2006	1/24/2013	27	27	0.04	-	-	0.05	-	0	CTR	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Endrin ketone	µg/L	12/9/2006	2/13/2009	11	11	0.36	-	-	0.50	-						
Wet	Mercury	µg/L	2/27/2006	1/24/2013	37	32	0.16	-	0.177	0.25	0.08	0	0.00	0.05	0.00	0 exceedances in 7 Year(s)	0%
Wet	Methoxychlor	µg/L	12/9/2006	1/24/2013	27	27	0.22	-	-	0.25	-						
Wet	Methylene Blue Active Substances (MBAS)	mg/L	12/9/2006	1/24/2013	27	5	0.74	0.183	3.96	0.46	0.57						
Wet	PCB-1016 (Aroclor 1016)	µg/L	12/9/2006	1/24/2013	27	27	0.16	-	-	0.25	-						
Wet	PCB-1221 (Aroclor 1221)	µg/L	12/9/2006	1/24/2013	29	29	0.17	-	-	0.25	-						
Wet	PCB-1232 (Aroclor 1232)	µg/L	12/9/2006	1/24/2013	27	27	0.16	-	-	0.25	-						
Wet	PCB-1242 (Aroclor 1242)	µg/L	12/9/2006	1/24/2013	27	27	0.16	-	-	0.25	-						
Wet	PCB-1248 (Aroclor 1248)	µg/L	12/9/2006	1/24/2013	27	27	0.16	-	-	0.25	-						
Wet	PCB-1254 (Aroclor 1254)	µg/L	12/9/2006	1/24/2013	27	27	0.16	-	-	0.25	-						
Wet	PCB-1260 (Aroclor 1260)	µg/L	12/9/2006	1/24/2013	27	27	0.16	-	-	0.25	-						
Wet	Thallium	µg/L	2/27/2006	1/24/2013	37	37	0.36	-	0.179	0.50	-						
Wet	Phenolics- Total recoverable	mg/L	11/1/2006	1/24/2013	30	27	0.06	-	0.235	0.05	0.13						
Wet	Total Petroleum Hydrocarbons	mg/L	11/1/2006	1/24/2013	30	21	2.48	-	5.9	2.50	2.3						
Wet	Phosphorus- Total (as P)	mg/L	12/9/2006	1/24/2013	27		0.45	0.2	1.25	0.34	0.34						
Wet	Nitrate (NO3)	mg/L	12/9/2006	1/24/2013	21		4.77	2.23	14.8	3.55	3.55	0	Basin Plan	45.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Ammonia	mg/l	2/27/2006	1/24/2013	37	4	0.78	-	3.35	0.48	0.508	0	Basin Plan	3.74	0.00	0 exceedances in 7 Year(s)	0%
Wet	Selenium	µg/L	2/27/2006	1/24/2013	37	23	0.79	-	2.10	0.50	0.78						
Wet	Carbofuran	µg/L	9/21/2007	12/18/2007	4	4	2.50	-	-	2.50	-						
Wet	1-2-Benzanthracene	µg/L	11/4/2008	1/24/2013	20	20	2.00	-	-	2.50	-						
Wet	2-4-6-Trichlorophenol	µg/L	11/4/2008	1/24/2013	17	17	4.74	-	-	5.00	-						
Wet	N-Nitrosodimethylamine	µg/L	11/4/2008	1/24/2013	17	17	2.50	-	-	2.50	-	0	CTR	8.10	0.00	0 exceedances in 5 Year(s)	0%
Wet	N-Nitrosodiphenylamine	µg/L	11/4/2008	1/24/2013	17	17	0.50	-	-	0.50	-	0	CTR	16.00	0.00	0 exceedances in 5 Year(s)	0%

Table E.3: Dominguez Channel - At Station S-28 Data Summary

Weather	Constituent	Unit	Dates Sampled		Total No. of Values	No. with/ ND	Min.	Max.	Avg.	Median		No of Exceed.	Regulatory Source	Regulatory Threshold	Exceed. Frequency(# of exceed. per year)	Exceedance/Time	%Exceed
			From	To						With ND	Without ND						
Wet	Aluminum	µg/L	2/27/2006	1/24/2013	37		2,381.31	20.90	14,200.00	1,500.00	1,500.00						
Wet	Arsenic	µg/L	2/27/2006	1/24/2013	37	1	2.46	-	7.88	2.17	2.18	0	CTR	350.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Barium	µg/L	12/9/2006	1/24/2013	27	2	107.39	-	389.00	66.60	76.80						
Wet	Silver	µg/L	2/27/2006	1/24/2013	37	29	0.82	-	1.91	0.14	0.49						
Wet	Copper	µg/L	2/27/2006	1/24/2013	37	1	89.86	-	565.00	49.20	50.30						
Wet	Iron	µg/L	2/27/2006	1/24/2013	37		3,676.65	118.00	24,800.00	2,550.00	2,550.00						
Wet	Lead	µg/L	2/27/2006	1/24/2013	37		46.52	0.88	806.00	18.50	18.50						
Wet	Zinc	µg/L	2/27/2006	1/24/2013	37		419.63	27.40	2,250.00	237.00	237.00						
Wet	Alkalinity as CaCO3	mg/L	12/9/2006	1/24/2013	26		44.45	14.30	124.30	28.00	28.00						
Wet	Hardness as CaCO3	mg/L	12/9/2006	1/24/2013	27		73.89	30	190	50.00	50						
Wet	Chromium +6	µg/L	12/9/2006	1/24/2013	28	18	1.25	-	1.8	0.71	0.54						
Wet	Alkalinity as Bicarbonate	mg/L	10/6/2010	11/20/2011	5	1	31.98	-	83	16.50	30.8						
Wet	E. Coli	MPN/100mL	10/11/2012	1/24/2013	5		12,578.84	2419.2	34500	7,915.00	7915	5	Basin Plan	235.00	3.48	5 exceedances in 1 Year(s)	100%
Wet	Antimony	µg/L	2/27/2006	1/24/2013	37	1	5.10	-	18.6	3.80	3.85	0	CTR	4,300.00	0.00	0 exceedances in 7 Year(s)	0%
Wet	Benzioic Acid	µG/L	10/17/2004	1/7/2005	4	4	-	-	-	-	-						
Wet	Benzyl alcohol	µG/L	10/17/2004	1/7/2005	4	4	-	-	-	-	-						
Wet	Alkalinity (mg/L as CaCO3)	mg/L as CaCO3	2/27/2006	2/28/2006	10		69.60	14	220	22.00	22						
Wet	Baryium	µg/L	2/27/2006	2/28/2006	10		41.55	13.20	82.60	25.65	25.65						
Wet	Cobalt	µg/L	2/27/2006	2/28/2006	10		0.82	0.27	2.34	0.65	0.65						
Wet	Detectable DDTs (µg/L)	µg/L	2/27/2006	2/28/2006	10	10	#DIV/0!	0.00	0.00	#NUM!	-						
Wet	Dissolved Organic Carbon	mg/L	2/27/2006	2/28/2006	10		10.84	5.60	25.00	8.35	8.35						
Wet	Manganese	µg/L	2/27/2006	2/28/2006	10		37.74	11.40	137.00	20.40	20.40						
Wet	Molybdenum	µg/L	2/27/2006	2/28/2006	10		2.99	0.45	8.97	1.36	1.36						
Wet	Other Pesticides (µg/L)	µg/L	2/27/2006	2/28/2006	10	10	-	-	-	-	-						
Wet	Strontium	µg/L	2/27/2006	2/28/2006	10		248.06	30.70	826.00	62.55	62.55						
Wet	Tin	µg/L	2/27/2006	2/28/2006	10		0.21	0.13	0.34	0.21	0.21						
Wet	Titanium	µg/L	2/27/2006	2/28/2006	10		11.76	1.60	23.60	11.15	11.15						
Wet	Total Aroclors	µg/L	2/27/2006	2/28/2006	10	10	-	-	-	-	-						
Wet	Total PAHs (ng/L)	ng/L	2/27/2006	2/28/2006	10		986.83	53.70	3,652.60	614.30	614.30						
Wet	Vanadium	µg/L	2/27/2006	2/28/2006	10		3.77	2.15	8.36	3.16	3.16						

Notes:
Water quality data available but no screening criteria was determined.
Source:
Mass Emissions Monitoring.
Appendix B 2002-2006 Sampling Results for Dominguez Channel

Table E.4: Dominguez Channel - Bacteria Data Summary

Waterbody	Weather	Location	Constituent	Dates Sampled		Total No. of Values	Min.	Max.	Avg.	Median	No. of Exceed.	Regulatory Threshold	Regulatory Source	Exceed. Frequency (# exceed. per year)	Exceedance/Time	%Exceed
				From	To											
Dominguez Channel	Dry	El Segundo Blvd.	E. coli (MPN/100 mL)	4/3/2001	5/26/2009	246	100	240,000	3,192	310	22	235	Basin Plan	0.01	22 exceedances in 9 Year(s)	9%
Dominguez Channel	Dry	El Segundo Blvd.	Enterococcus (MPN/100 mL)	4/3/2001	5/26/2009	244	10	12,000	456	310						
Dominguez Channel	Dry	El Segundo Blvd.	Total Coliform (MPN/100 mL)	4/3/2001	5/26/2009	246	100	240,000	59,819	310						
Dominguez Channel	Dry	"Tributary @ Carson Plaza Dr.	E. coli (MPN/100 mL)	1/17/2002	5/26/2009	63	100	73,000	4,047	2,800	11	235	Basin Plan	0.02	11 exceedances in 8 Year(s)	17%
Dominguez Channel	Dry	"Tributary @ Carson Plaza Dr.	Enterococcus (MPN/100 mL)	1/17/2002	5/26/2009	63	31	24,000	3,896	2,800						
Dominguez Channel	Dry	"Tributary @ Carson Plaza Dr.	Total Coliform (MPN/100 mL)	1/17/2002	5/26/2009	63	1,600	240,000	141,392	2,800						
Dominguez Channel	Dry	Tributary @ Main St.	E. coli (MPN/100 mL)	3/31/2005	5/26/2009	44	100	240,000	10,298	3,950	12	235	Basin Plan	0.07	12 exceedances in 5 Year(s)	27%
Dominguez Channel	Dry	Tributary @ Main St.	Enterococcus (MPN/100 mL)	3/31/2005	5/26/2009	44	20	24,000	2,832	3,950						
Dominguez Channel	Dry	Tributary @ Main St.	Total Coliform (MPN/100 mL)	3/31/2005	5/26/2009	44	19,000	240,000	146,750	3,950						
Dominguez Channel	Dry	Vermont Ave.	E. coli (MPN/100 mL)	1/20/2005	5/26/2009	127	100	77,000	3,553	1,500	20	235	Basin Plan	0.04	20 exceedances in 5 Year(s)	16%
Dominguez Channel	Dry	Vermont Ave.	Enterococcus (MPN/100 mL)	1/20/2005	5/26/2009	127	10	6,500	518	1,500						
Dominguez Channel	Dry	Vermont Ave.	Total Coliform (MPN/100 mL)	1/20/2005	5/26/2009	127	5,900	240,000	125,484	1,500						
Dominguez Channel	Dry	Western Ave.	E. coli (MPN/100 mL)	4/3/2001	5/26/2009	246	100	120,000	2,571	1,100	25	235	Basin Plan	0.01	25 exceedances in 9 Year(s)	10%
Dominguez Channel	Dry	Western Ave.	Enterococcus (MPN/100 mL)	4/3/2001	5/26/2009	244	10	16,000	656	1,100						
Dominguez Channel	Dry	Western Ave.	Total Coliform (MPN/100 mL)	4/3/2001	5/26/2009	246	100	240,000	82,327	1,100						
Dominguez Channel	Dry	Yukon Ave.	E. coli (MPN/100 mL)	1/17/2002	5/26/2009	76	100	46,000	3,827	1,250	13	235	Basin Plan	0.02	13 exceedances in 8 Year(s)	17%
Dominguez Channel	Dry	Yukon Ave.	Enterococcus (MPN/100 mL)	1/17/2002	5/26/2009	76	10	24,000	4,010	1,250						
Dominguez Channel	Dry	Yukon Ave.	Total Coliform (MPN/100 mL)	1/17/2002	5/26/2009	76	100	240,000	83,370	1,250						
Dominguez Channel	Wet	El Segundo Blvd.	E. coli (MPN/100 mL)	2/19/2002	12/23/2008	37	100	19,000	3,714	980	9	235	Basin Plan	0.04	9 exceedances in 7 Year(s)	24%
Dominguez Channel	Wet	El Segundo Blvd.	Enterococcus (MPN/100 mL)	2/19/2002	12/23/2008	37	10	17,000	1,761	980						
Dominguez Channel	Wet	El Segundo Blvd.	Total Coliform (MPN/100 mL)	2/19/2002	12/23/2008	37	100	240,000	88,609	980						
Dominguez Channel	Wet	"Tributary @ Carson Plaza Dr.	E. coli (MPN/100 mL)	2/27/2003	1/31/2008	11	100	41,000	8,631	14,000	5	235	Basin Plan	0.09	5 exceedances in 5 Year(s)	45%
Dominguez Channel	Wet	"Tributary @ Carson Plaza Dr.	Enterococcus (MPN/100 mL)	2/27/2003	1/31/2008	11	52	24,000	10,497	14,000						
Dominguez Channel	Wet	"Tributary @ Carson Plaza Dr.	Total Coliform (MPN/100 mL)	2/27/2003	1/31/2008	11	14,000	240,000	157,364	14,000						
Dominguez Channel	Wet	Tributary @ Main St.	E. coli (MPN/100 mL)	1/27/2005	12/23/2008	7	410	160,000	26,197	8,200	4	235	Basin Plan	0.15	4 exceedances in 4 Year(s)	57%
Dominguez Channel	Wet	Tributary @ Main St.	Enterococcus (MPN/100 mL)	1/27/2005	12/23/2008	7	200	24,000	5,624	8,200						
Dominguez Channel	Wet	Tributary @ Main St.	Total Coliform (MPN/100 mL)	1/27/2005	12/23/2008	7	40,000	240,000	167,286	8,200						
Dominguez Channel	Wet	Vermont Ave.	E. coli (MPN/100 mL)	1/6/2005	12/23/2008	21	100	240,000	15,481	4,100	8	235	Basin Plan	0.10	8 exceedances in 4 Year(s)	38%
Dominguez Channel	Wet	Vermont Ave.	Enterococcus (MPN/100 mL)	1/6/2005	12/23/2008	21	10	24,000	2,479	4,100						
Dominguez Channel	Wet	Vermont Ave.	Total Coliform (MPN/100 mL)	1/6/2005	12/23/2008	21	1,100	240,000	128,319	4,100						
Dominguez Channel	Wet	Western Ave.	E. coli (MPN/100 mL)	2/19/2002	12/23/2008	37	100	110,000	6,326	1,600	6	235	Basin Plan	0.02	6 exceedances in 7 Year(s)	16%
Dominguez Channel	Wet	Western Ave.	Enterococcus (MPN/100 mL)	2/19/2002	12/23/2008	37	10	24,000	1,952	1,600						
Dominguez Channel	Wet	Western Ave.	Total Coliform (MPN/100 mL)	2/19/2002	12/23/2008	37	100	240,000	85,251	1,600						
Dominguez Channel	Wet	Yukon Ave.	E. coli (MPN/100 mL)	2/27/2003	12/23/2008	12	100	16,000	3,588	5,950	3	235	Basin Plan	0.04	3 exceedances in 6 Year(s)	25%
Dominguez Channel	Wet	Yukon Ave.	Enterococcus (MPN/100 mL)	2/27/2003	12/23/2008	12	10	24,000	7,173	5,950						
Dominguez Channel	Wet	Yukon Ave.	Total Coliform (MPN/100 mL)	2/27/2003	12/23/2008	12	740	240,000	108,762	5,950						
Dominguez Channel (Estuary)	Dry	Henry Ford Ave.	E. coli (MPN/100 mL)	4/3/2001	5/26/2009	242	100	240,000	1,698	100						
Dominguez Channel (Estuary)	Dry	Henry Ford Ave.	Enterococcus (MPN/100 mL)	4/3/2001	5/26/2009	240	10	24,000	263	100	12	104	Basin Plan Amendment	0.01	12 exceedances in 9 Year(s)	5%
Dominguez Channel (Estuary)	Dry	Wilmington Ave.	Enterococcus (MPN/100 mL)	4/3/2001	5/26/2009	244	10	24,000	238	185	31	104	Basin Plan Amendment	0.02	31 exceedances in 9 Year(s)	13%
Dominguez Channel (Estuary)	Dry	Wilmington Ave.	E. coli (MPN/100 mL)	4/3/2001	5/26/2009	246	100	46,000	697	185						

Notes:
Water quality data available but no screening criteria was determined.
Source:
City of Los Angeles Department of Public Works Bureau of Sanitation
Watershed Protection Division - Pollutant Assessment Section
Status and Trends Monitoring in Dominguez Channel (Main Stem)
Fecal Indicator Bacteria

Table E.5: Machado Lake - Water Quality Data Summary

Location	Weather	Constituent	Units	Total No. of Values	No. Values with ND	Dates Sampled		Min.	Max.	Avg.	Median		No. of Exceed.	Regulatory Threshold	Regulatory Source	Exceed. Frequency (# exceed. per year)
						From	To				w/o ND	w/ND				
ML-1	Undefined	E. Coli	(MPN/100mL)	56	0	12/20/2007	9/29/2008	100	1,400	278	150.00	150.00	25	235	Basin Plan	0.35
ML-1	Undefined	Ent.	(MPN/100mL)	56	0	12/20/2007	9/29/2008	10	3,600	148	67.50	67.50				
ML-1	Undefined	Tot. Coli.	(MPN/100mL)	55	0	12/20/2007	9/29/2008	520	240,000	58,179	28,000.00	28,000.00				
ML-1	Dry	(EMD Lab) Chlorophyll-a	µg/L	55	0	5/19/2008	2/7/2011	6	234	52	53.00	47.00	43	20	TMDL	2.13
ML-1	Dry	Alkalinity	mg/L	32	0	10/25/2007	5/4/2009	60	254	145	136.00	136.00				
ML-1	Dry	Hardness	mg/L	27	0	10/25/2007	5/4/2009	91.4	473	252	241.00	241.00				
ML-1	Dry	Inorganic Nitrogen	mg/L	105	0	6/16/2006	2/7/2011	0.04	0.68	0	0.16	0.05				
ML-1	Dry	Kjeldhal-N	mg/L	92	0	10/25/2007	2/7/2011	0.16	5	2	1.55	1.55				
ML-1	Dry	NH3-N	mg/L	106	0	6/16/2006	2/7/2011	0.05	0.53	0	0.08	0.05				
ML-1	Dry	NO2	mg/L	106	0	6/16/2006	2/7/2011	0.046	0.14	0	0.07	0.02				
ML-1	Dry	NO3	mg/L	106	0	6/16/2006	2/7/2011	0.04	0.33	0	0.10	0.02	0	45	Basin Plan	0.00
ML-1	Dry	Organic-N	mg/L	92	0	10/25/2007	2/7/2011	0.11	5	2	1.50	1.50				
ML-1	Dry	Ortho-Phosphorus	mg/L	106	0	6/16/2006	2/7/2011	0.13	1.61	1	0.64	0.64				
ML-1	Dry	TDS	mg/L	67	0	6/16/2006	2/7/2011	84	1108	527	508.00	492.00				
ML-1	Dry	Total Nitrogen	mg/L	106	0	6/16/2006	2/7/2011	0.3	5	2	1.82	1.82	89	1	TMDL	3.90
ML-1	Dry	Total Phosphate	mg/L	106	0	6/16/2006	2/7/2011	0.31	1.91	1	0.81	0.81				
ML-1	Dry	TSS	mg/L	103	0	6/16/2006	2/7/2011	2.4	148	31	29.50	29.00				
ML-1	Wet	(EMD Lab) Chlorophyll-a	µg/L	2	0	5/23/2008	2/17/2009	74.3	74.3	40	74.30	40.15	1	20	TMDL	0.37
ML-1	Wet	Alkalinity	mg/L	4	0	12/20/2007	2/17/2009	16	42	31	33.00	33.00				
ML-1	Wet	Hardness	mg/L	4	0	12/20/2007	2/17/2009	45.4	74	60	59.60	59.60				
ML-1	Wet	Inorganic Nitrogen	mg/L	6	0	4/17/2007	2/17/2009	0.46	0.64	0	0.57	0.52				
ML-1	Wet	Kjeldhal-N	mg/L	5	0	12/20/2007	2/17/2009	0.4	2.5	1	0.70	0.70				
ML-1	Wet	NH3-N	mg/L	6	0	4/17/2007	2/17/2009	0.1	0.2	0	0.10	0.10				
ML-1	Wet	NO2	mg/L	6	0	4/17/2007	2/17/2009	0	0	0	0.02	0.02				
ML-1	Wet	NO3	mg/L	6	0	4/17/2007	2/17/2009	0.39	0.49	0	0.45	0.42	0	45	Basin Plan	0.00
ML-1	Wet	Organic-N	mg/L	5	0	12/20/2007	2/17/2009	0.4	2.4	1	0.60	0.60				
ML-1	Wet	Ortho-Phosphorus	mg/L	6	0	4/17/2007	2/17/2009	0.29	0.71	0	0.43	0.43				
ML-1	Wet	TDS	mg/L	5	0	4/17/2007	2/17/2009	120	612	237	146.00	146.00				
ML-1	Wet	Total Nitrogen	mg/L	6	0	4/17/2007	2/17/2009	0.86	3.26	2	1.35	1.35	5	1	TMDL	1.53
ML-1	Wet	Total Phosphate	mg/L	6	0	4/17/2007	2/17/2009	0.39	1.13	1	0.43	0.43				
ML-1	Wet	TSS	mg/L	6	0	4/17/2007	2/17/2009	11	72	27	20.00	20.00				
ML-1	Undefined	ALGAL BIOMASS	µg/L(mg/M3)	41	8	4/4/2011	12/10/2012	10	166	32	31.00	26.00				
ML-1	Undefined	AMMONIA-N	mg/L	39	35	4/4/2011	12/26/2012	0.1	0.21	0	0.14	0.03	0	2.15	TMDL	0.00
ML-1	Undefined	LAKE DEPTH	ft	46	0	4/4/2011	12/26/2012	2	4.58	3	3.50	3.50				
ML-1	Undefined	NITRATE-N	mg/L	35	30	4/4/2011	12/26/2012	0.13	0.68	0	0.38	0.01	0	10	Basin Plan	0.00
ML-1	Undefined	NITRITE-N	mg/L	43	43	4/4/2011	12/26/2012	0	0	0	0.00	0.01	0	1	Basin Plan	0.00
ML-1	Undefined	ORGANIC-N	mg/L	46	1	4/4/2011	12/26/2012	0.17	3.48	1	0.91	0.86				
ML-1	Undefined	OXYGEN (DISSOLVED)	mg/L	46	0	4/4/2011	12/26/2012	0.17	8.5	4	3.50	3.50	38	5	TMDL	1.43
ML-1	Undefined	PHOSPHORUS (ORTHO)	mg/L	46	0	4/4/2011	12/26/2012	0.29	1.2	1	0.66	0.66				
ML-1	Undefined	PHOSPHORUS (TOTAL)	mg/L	46	0	4/4/2011	12/26/2012	0.33	1.39	1	0.77	0.77	46	0.1	TMDL	1.73
ML-1	Undefined	SECCHI DEPTH	in	46	0	4/4/2011	12/26/2012	10	45	25	25.00	25.00				
ML-1	Undefined	SUSPENDED SOLIDS	mg/L	46	0	4/4/2011	12/26/2012	2.3	117	18	9.50	9.50				
ML-1	Undefined	TOTAL DISSOLVED SOLIDS	mg/L	46	0	4/4/2011	12/26/2012	80	668	357	334.00	334.00				
ML-1	Undefined	TURBIDITY	NTU	46	0	4/4/2011	12/26/2012	1.4	51.9	9	6.45	6.45				
ML-2	Undefined	E. Coli	(MPN/100mL)	56	0	12/20/2007	9/29/2008	100	1,100	237	200.00	200.00	19	235	Basin Plan	0.26
ML-2	Undefined	Ent.	(MPN/100mL)	56	0	12/20/2007	9/29/2008	10	4,300	148	63.00	63.00				
ML-2	Undefined	Tot. Coli.	(MPN/100mL)	55	0	12/20/2007	9/29/2008	410	240,000	55,284	25,000.00	25,000.00				
ML-2	Dry	(EMD Lab) Chlorophyll-a	µg/L	55	0	5/19/2008	2/7/2011	7	170	51	50.00	50.00	46	20	TMDL	2.28
ML-2	Dry	Alkalinity	mg/L	32	0	10/25/2007	5/4/2009	58	250	143	136.00	136.00				
ML-2	Dry	Hardness	mg/L	27	0	10/25/2007	5/4/2009	85	466	250	247.00	247.00				
ML-2	Dry	Inorganic Nitrogen	mg/L	106	0	6/16/2006	2/7/2011	0.03	0.7	0	0.16	0.05				
ML-2	Dry	Kjeldhal-N	mg/L	92	0	10/25/2007	2/7/2011	0.3	3.3	2	1.69	1.69				
ML-2	Dry	NH3-N	mg/L	106	0	6/16/2006	2/7/2011	0.05	0.58	0	0.09	0.05				
ML-2	Dry	NO2	mg/L	106	0	6/16/2006	2/7/2011	0.04	0.28	0	0.07	0.02				
ML-2	Dry	NO3	mg/L	106	0	6/16/2006	2/7/2011	0.03	0.34	0	0.12	0.02	0	45	Basin Plan	0.00
ML-2	Dry	Organic-N	mg/L	92	0	10/25/2007	2/7/2011	0.3	3.3	2	1.62	1.62				
ML-2	Dry	Ortho-Phosphorus	mg/L	106	0	6/16/2006	2/7/2011	0.2	1.44	1	0.64	0.64				
ML-2	Dry	TDS	mg/L	67	0	6/16/2006	2/7/2011	32	1090	526	480.00	480.00				

Table E.5: Machado Lake - Water Quality Data Summary

Location	Weather	Constituent	Units	Total No. of Values	No. Values with ND	Dates Sampled		Min.	Max.	Avg.	Median		No. of Exceed.	Regulatory Threshold	Regulatory Source	Exceed. Frequency (# exceed. per year)
						From	To				w/o ND	w/ND				
ML-2	Dry	Total Nitrogen	mg/L	106	0	6/16/2006	2/7/2011	0.3	4.62	2	1.79	1.79	92	1	TMDL	4.04
ML-2	Dry	Total Phosphate	mg/L	106	0	6/16/2006	2/7/2011	0.33	1.51	1	0.80	0.80				
ML-2	Dry	TSS	mg/L	104	0	6/16/2006	2/7/2011	3.2	91	29	27.50	27.50				
ML-2	Wet	(EMD Lab) Chlorophyll-a	µg/L	2	0	5/23/2008	2/17/2009	60.8	60.80	33.40	60.80	33.40	1	20	TMDL	0.37
ML-2	Wet	Alkalinity	mg/L	4	0	12/20/2007	2/17/2009	22	54.00	35.50	33.00	33.00				
ML-2	Wet	Hardness	mg/L	4	0	12/20/2007	2/17/2009	31.1	83.50	53.38	49.45	49.45				
ML-2	Wet	Inorganic Nitrogen	mg/L	5	0	12/20/2007	2/17/2009	0.41	0.60	0.43	0.52	0.47				
ML-2	Wet	Kjeldhal-N	mg/L	5	0	12/20/2007	2/17/2009	0.48	1.60	0.96	0.87	0.87				
ML-2	Wet	NH3-N	mg/L	5	0	12/20/2007	2/17/2009	0.07	0.18	0.11	0.13	0.09				
ML-2	Wet	NO2	mg/L	5	0	12/20/2007	2/17/2009	0	0.00	0.02	0.02	0.02				
ML-2	Wet	NO3	mg/L	5	0	12/20/2007	2/17/2009	0.34	0.42	0.30	0.37	0.36	0	45	Basin Plan	0.00
ML-2	Wet	Organic-N	mg/L	5	0	12/20/2007	2/17/2009	0.3	1.60	0.86	0.70	0.70				
ML-2	Wet	Ortho-Phosphorus	mg/L	5	0	12/20/2007	2/17/2009	0.32	0.58	0.44	0.46	0.46				
ML-2	Wet	TDS	mg/L	4	0	12/20/2007	2/17/2009	93	160.00	128.25	130.00	130.00				
ML-2	Wet	Total Nitrogen	mg/L	5	0	12/20/2007	2/17/2009	0.9	1.60	1.30	1.27	1.27	4	1	TMDL	0.93
ML-2	Wet	Total Phosphate	mg/L	5	0	12/20/2007	2/17/2009	0.38	0.78	0.51	0.45	0.45				
ML-2	Wet	TSS	mg/L	5	0	12/20/2007	2/17/2009	13	44.00	23.40	17.00	17.00				
ML-2	Undefined	ALGAL BIOMASS	µg/L(mg/M3)	42	9	4/4/2011	12/10/2012	12	103	32	29.00	26.50				
ML-2	Undefined	AMMONIA-N	mg/L	39	35	4/4/2011	12/26/2012	0.15	0.35	0	0.15	0.03	0	2.15	TMDL	0.00
ML-2	Undefined	LAKE DEPTH	ft	46	0	4/4/2011	12/26/2012	3.08	4.83	4	4.25	4.25				
ML-2	Undefined	NITRATE-N	mg/L	38	33	5/2/2011	12/26/2012	0.12	0.63	0	0.27	0.01	0	10	Basin Plan	0.00
ML-2	Undefined	NITRITE-N	mg/L	44	44	4/4/2011	12/26/2012	0	0	0	0.00	0.01	0	1	Basin Plan	0.00
ML-2	Undefined	ORGANIC-N	mg/L	46	0	4/4/2011	12/26/2012	0.27	3.87	1	1.00	1.00				
ML-2	Undefined	OXYGEN (DISSOLVED)	mg/L	46	0	4/4/2011	12/26/2012	0.08	8.17	3	2.57	2.57	42	5	TMDL	1.58
ML-2	Undefined	PHOSPHORUS (ORTHO)	mg/L	46	0	4/4/2011	12/26/2012	0.3	1.23	1	0.61	0.61				
ML-2	Undefined	PHOSPHORUS (TOTAL)	mg/L	46	0	4/4/2011	12/26/2012	0.33	1.37	1	0.71	0.71	46	0.1	TMDL	1.73
ML-2	Undefined	SECCHI DEPTH	in	46	0	4/4/2011	12/26/2012	11	52	26	25.00	25.00				
ML-2	Undefined	SUSPENDED SOLIDS	mg/L	46	0	4/4/2011	12/26/2012	1.4	35.5	13	9.10	9.10				
ML-2	Undefined	TOTAL DISSOLVED SOLIDS	mg/L	46	0	4/4/2011	12/26/2012	80	672	356	344.00	344.00				
ML-2	Undefined	TURBIDITY	NTU	46	0	4/4/2011	12/26/2012	1.3	17.7	7	5.80	5.80				
ML-3	Undefined	E. Coli	(MPN/100mL)	56	0	12/20/2007	9/29/2008	100	2,300	604	515.00	515.00	44	235	Basin Plan	0.61
ML-3	Undefined	Ent.	(MPN/100mL)	56	0	12/20/2007	9/29/2008	10	3,500	325	255.00	255.00				
ML-3	Undefined	Tot. Coli.	(MPN/100mL)	55	0	12/20/2007	9/29/2008	1,200	240,000	57,104	28,000.00	28,000.00				
ML-3	Dry	(EMD Lab) Chlorophyll-a	µg/L	20	0	5/19/2008	9/29/2008	40	88	61	60.50	60.50	20	20	TMDL	0.36
ML-3	Dry	Inorganic Nitrogen	mg/L	47	0	5/19/2008	9/29/2008	0.05	0.19	0	0.12	0.05				
ML-3	Dry	Kjeldhal-N	mg/L	47	0	5/19/2008	9/29/2008	0.3	3.3	2	1.75	1.70				
ML-3	Dry	NH3-N	mg/L	47	0	5/19/2008	9/29/2008	0.05	0.09	0	0.06	0.05				
ML-3	Dry	NO2	mg/L	47	0	5/19/2008	9/29/2008	0.14	0.19	0	0.17	0.02				
ML-3	Dry	NO3	mg/L	47	0	5/19/2008	9/29/2008	0	0	0	0.02	0.02	0	45	Basin Plan	0.00
ML-3	Dry	Organic-N	mg/L	47	0	5/19/2008	9/29/2008	0.3	3.3	2	1.80	1.80				
ML-3	Dry	Ortho-Phosphorus	mg/L	47	0	5/19/2008	9/29/2008	0.33	1	1	0.68	0.68				
ML-3	Dry	Total Nitrogen	mg/L	47	0	5/19/2008	9/29/2008	0.3	3.3	2	1.89	1.89	45	1	TMDL	0.35
ML-3	Dry	Total Phosphate	mg/L	47	0	5/19/2008	9/29/2008	0.52	1.22	1	0.81	0.81				
ML-3	Dry	TSS	mg/L	47	0	5/19/2008	9/29/2008	22	70	39	38.00	38.00				
ML-3	Wet	(EMD Lab) Chlorophyll-a	µg/L	1	0	5/23/2008	5/23/2008	73.90	73.90	73.90	73.90	73.90	1	20	TMDL	0.00
ML-3	Wet	Inorganic Nitrogen	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.05	0.05	0.05				
ML-3	Wet	Kjeldhal-N	mg/L	1	0	5/23/2008	5/23/2008	1.47	1.47	1.47	1.47	1.47				
ML-3	Wet	NH3-N	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.05	0.05	0.05				
ML-3	Wet	NO2	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.02	0.02	0.02				
ML-3	Wet	NO3	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.02	0.02	0.02	0	45	Basin Plan	0.00
ML-3	Wet	Organic-N	mg/L	1	0	5/23/2008	5/23/2008	1.47	1.47	1.47	1.47	1.47				
ML-3	Wet	Ortho-Phosphorus	mg/L	1	0	5/23/2008	5/23/2008	0.57	0.57	0.57	0.57	0.57				
ML-3	Wet	Total Nitrogen	mg/L	1	0	5/23/2008	5/23/2008	1.47	1.47	1.56	1.56	1.56	1	1	TMDL	0.00
ML-3	Wet	Total Phosphate	mg/L	1	0	5/23/2008	5/23/2008	0.76	0.76	0.76	0.76	0.76				
ML-3	Wet	TSS	mg/L	1	0	5/23/2008	5/23/2008	52.00	52.00	52.00	52.00	52.00				
ML-4	Undefined	E. Coli	(MPN/100mL)	47	0	5/19/2008	9/29/2008	100	520	157	100.00	100.00	8	235	Basin Plan	0.06
ML-4	Undefined	Ent.	(MPN/100mL)	47	0	5/19/2008	9/29/2008	10	270	43	30.00	30.00				
ML-4	Undefined	Tot. Coli.	(MPN/100mL)	46	0	5/19/2008	9/29/2008	2,200	240,000	54,120	25,000.00	25,000.00				

Table E.5: Machado Lake - Water Quality Data Summary

Location	Weather	Constituent	Units	Total No. of Values	No. Values with ND	Dates Sampled		Min.	Max.	Avg.	Median		No. of Exceed.	Regulatory Threshold	Regulatory Source	Exceed. Frequency (# exceed. per year)
						From	To				w/o ND	w/ND				
ML-4	Dry	(EMD Lab) Chlorophyll-a	µg/L	19	0	5/19/2008	9/26/2008	30.4	86.4	57	60.00	60.00	19	20	TMDL	0.36
ML-4	Dry	Inorganic Nitrogen	mg/L	47	0	5/19/2008	9/29/2008	0.05	0.14	0	0.15	0.05				
ML-4	Dry	Kjeldhal-N	mg/L	47	0	5/19/2008	9/29/2008	0.3	2.8	2	1.70	1.70				
ML-4	Dry	NH3-N	mg/L	47	0	5/19/2008	9/29/2008	0.05	0.11	0	0.09	0.05				
ML-4	Dry	NO2	mg/L	47	0	5/19/2008	9/29/2008	0.087	0.14	0	0.11	0.02				
ML-4	Dry	NO3	mg/L	47	0	5/19/2008	9/29/2008	0	0	0	0.02	0.02	0	45	Basin Plan	0.00
ML-4	Dry	Organic-N	mg/L	47	0	5/19/2008	9/29/2008	0.3	2.8	2	1.70	1.70				
ML-4	Dry	Ortho-Phosphorus	mg/L	47	0	5/19/2008	9/29/2008	0.33	0.96	1	0.68	0.68				
ML-4	Dry	Total Nitrogen	mg/L	47	0	5/19/2008	9/29/2008	0.3	2.8	2	1.79	1.79	44	1	TMDL	0.34
ML-4	Dry	Total Phosphate	mg/L	47	0	5/19/2008	9/29/2008	0.47	1.1	1	0.79	0.79				
ML-4	Dry	TSS	mg/L	47	0	5/19/2008	9/29/2008	14	58	34	34.00	34.00				
ML-4	Wet	(EMD Lab) Chlorophyll-a	µg/L	1	0	5/23/2008	5/23/2008	58.20	58.20	58.20	58.20	58.20	1	20	TMDL	0.00
ML-4	Wet	Inorganic Nitrogen	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.05	0.05	0.05				
ML-4	Wet	Kjeldhal-N	mg/L	1	0	5/23/2008	5/23/2008	1.30	1.30	1.30	1.30	1.30				
ML-4	Wet	NH3-N	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.05	0.05	0.05				
ML-4	Wet	NO2	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.02	0.02	0.02				
ML-4	Wet	NO3	mg/L	1	0	5/23/2008	5/23/2008	0.00	0.00	0.02	0.02	0.02	0	45	Basin Plan	0.00
ML-4	Wet	Organic-N	mg/L	1	0	5/23/2008	5/23/2008	1.30	1.30	1.30	1.30	1.30				
ML-4	Wet	Ortho-Phosphorus	mg/L	1	0	5/23/2008	5/23/2008	0.61	0.61	0.61	0.61	0.61				
ML-4	Wet	Total Nitrogen	mg/L	1	0	5/23/2008	5/23/2008	1.30	1.30	1.39	1.39	1.39	1	1	TMDL	0.00
ML-4	Wet	Total Phosphate	mg/L	1	0	5/23/2008	5/23/2008	0.82	0.82	0.82	0.82	0.82				
ML-4	Wet	TSS	mg/L	1	0	5/23/2008	5/23/2008	43	43	43	43.00	43.00				
ML-4	Undefined	ALGAL BIOMASS	µg/L(mg/M3)	45	45	4/4/2011	12/10/2012	0	0	3	0.00	3.00				
ML-4	Undefined	AMMONIA-N	mg/L	45	45	4/4/2011	12/26/2012	0	0	0	0.00	0.03	0	2.15	TMDL	0.00
ML-4	Undefined	NITRATE-N	mg/L	45	45	4/4/2011	12/26/2012	0	0	0	0.00	0.01	0	10	Basin Plan	0.00
ML-4	Undefined	NITRITE-N	mg/L	46	46	4/4/2011	12/26/2012	0	0	0	0.00	0.01	0	1	Basin Plan	0.00
ML-4	Undefined	ORGANIC-N	mg/L	46	45	4/4/2011	12/26/2012	0.84	0.84	0	0.84	0.05				
ML-4	Undefined	PHOSPHORUS (ORTHO)	mg/L	45	45	4/4/2011	12/26/2012	0	0	0	0.00	0.03				
ML-4	Undefined	PHOSPHORUS (TOTAL)	mg/L	46	46	4/4/2011	12/26/2012	0	0	0	0.00	0.03	0	0.1	TMDL	0.00
ML-4	Undefined	SUSPENDED SOLIDS	mg/L	46	42	4/4/2011	12/26/2012	1	1.9	1	1.10	0.50				
ML-4	Undefined	TOTAL DISSOLVED SOLIDS	mg/L	45	44	4/4/2011	12/26/2012	40	40	15	40.00	14.00				
ML-4	Undefined	TURBIDITY	NTU	46	10	4/4/2011	12/26/2012	0.1	0.6	0	0.10	0.10				
ML-4	Undefined	ALGAL BIOMASS	µg/L(mg/M3)	42	9	4/4/2011	12/10/2012	10	167	34	31.00	26.00				
ML-4	Undefined	AMMONIA-N	mg/L	39	34	4/4/2011	12/26/2012	0.1	0.21	0	0.11	0.03	0	2.15	TMDL	0.00
ML-4	Undefined	NITRATE-N	mg/L	40	35	4/4/2011	12/26/2012	0.12	0.63	0	0.24	0.01	0	10	Basin Plan	0.00
ML-4	Undefined	NITRITE-N	mg/L	44	44	4/4/2011	12/26/2012	0	0	0	0.00	0.01	0	1	Basin Plan	0.00
ML-4	Undefined	ORGANIC-N	mg/L	46	0	4/4/2011	12/26/2012	0.32	2.55	1	0.97	0.97				
ML-4	Undefined	PHOSPHORUS (ORTHO)	mg/L	46	0	4/4/2011	12/26/2012	0.3	1.19	1	0.65	0.65				
ML-4	Undefined	PHOSPHORUS (TOTAL)	mg/L	46	0	4/4/2011	12/26/2012	0.33	1.37	1	0.75	0.75	46	0.1	TMDL	1.73
ML-4	Undefined	SUSPENDED SOLIDS	mg/L	46	0	4/4/2011	12/26/2012	1.7	64.7	15	11.40	11.40				
ML-4	Undefined	TOTAL DISSOLVED SOLIDS	mg/L	46	0	4/4/2011	12/26/2012	80	696	363	348.00	348.00				
ML-4	Undefined	TURBIDITY	NTU	46	0	4/4/2011	12/26/2012	1.5	29.7	8	5.50	5.50				
Project 510 Drain	Undefined	E. Coli	(MPN/100mL)	1	0	12/26/2007	12/26/2007	100	100	100	100.00	100.00	0	235	Basin Plan	0.00
Project 510 Drain	Undefined	Ent.	(MPN/100mL)	1	0	12/26/2007	12/26/2007	10	10	10	10.00	10.00				
Project 510 Drain	Undefined	Tot. Coli.	(MPN/100mL)	1	0	12/26/2007	12/26/2007	100	100	100	100.00	100.00				
Project 510 Drain	Dry	Alkalinity	mg/L	27	0	10/19/2007	5/4/2009	84	144	113	114.00	114.00				
Project 510 Drain	Dry	Hardness	mg/L	23	0	10/19/2007	5/4/2009	189	340	256	254.00	254.00				
Project 510 Drain	Dry	Inorganic Nitrogen	mg/L	31	0	10/19/2007	6/29/2009	0.29	2.53	1	0.97	0.91				
Project 510 Drain	Dry	Kjeldhal-N	mg/L	31	0	10/19/2007	6/29/2009	0.3	7.51	2	1.40	1.40				
Project 510 Drain	Dry	NH3-N	mg/L	31	0	10/19/2007	6/29/2009	0.07	0.61	0	0.34	0.32				
Project 510 Drain	Dry	NO2	mg/L	31	0	10/19/2007	6/29/2009	0.04	0.31	0	0.08	0.02				
Project 510 Drain	Dry	NO3	mg/L	31	0	10/19/2007	6/29/2009	0.29	2.45	1	0.63	0.63	0	45	Basin Plan	0.00
Project 510 Drain	Dry	Organic-N	mg/L	31	0	10/19/2007	6/29/2009	0.2	7	1	1.10	1.10				
Project 510 Drain	Dry	Ortho-Phosphorus	mg/L	30	0	10/19/2007	6/29/2009	0.06	1.09	0	0.28	0.26				
Project 510 Drain	Dry	TDS	mg/L	29	0	10/19/2007	6/29/2009	456	804	619	636.00	636.00				
Project 510 Drain	Dry	Total Nitrogen	mg/L	31	0	10/19/2007	6/29/2009	0.71	8	3	2.18	2.18	29	1	TMDL	1.59
Project 510 Drain	Dry	Total Phosphate	mg/L	30	0	10/19/2007	6/29/2009	0.06	1.24	0	0.33	0.33				
Project 510 Drain	Dry	TSS	mg/L	30	0	10/19/2007	6/29/2009	1	864	36	4.00	3.15				

Table E.5: Machado Lake - Water Quality Data Summary

Location	Weather	Constituent	Units	Total No. of Values	No. Values with ND	Dates Sampled		Min.	Max.	Avg.	Median		No. of Exceed.	Regulatory Threshold	Regulatory Source	Exceed. Frequency (# exceed. per year)
						From	To				w/o ND	w/ND				
Project 510 Drain	Wet	Alkalinity	mg/L	1	0	11/30/2007	11/30/2007	14	14	14	14.00	14.00				
Project 510 Drain	Wet	Hardness	mg/L	1	0	11/30/2007	11/30/2007	15.1	15.1	15	15.10	15.10				
Project 510 Drain	Wet	Inorganic Nitrogen	mg/L	1	0	11/30/2007	11/30/2007	1.43	1.43	1	1.45	1.45				
Project 510 Drain	Wet	Kjeldhal-N	mg/L	1	0	11/30/2007	11/30/2007	1.39	1.39	1	1.39	1.39				
Project 510 Drain	Wet	NH3-N	mg/L	1	0	11/30/2007	11/30/2007	0.66	0.66	1	0.66	0.66				
Project 510 Drain	Wet	NO2	mg/L	1	0	11/30/2007	11/30/2007	0	0	0	0.02	0.02				
Project 510 Drain	Wet	NO3	mg/L	1	0	11/30/2007	11/30/2007	0.77	0.77	1	0.77	0.77	0	45	Basin Plan	0.00
Project 510 Drain	Wet	Organic-N	mg/L	1	0	11/30/2007	11/30/2007	0.73	0.73	1	0.73	0.73				
Project 510 Drain	Wet	Ortho-Phosphorus	mg/L	1	0	11/30/2007	11/30/2007	0.78	0.78	1	0.78	0.78				
Project 510 Drain	Wet	TDS	mg/L	1	0	11/30/2007	11/30/2007	36	36	36	36.00	36.00				
Project 510 Drain	Wet	Total Nitrogen	mg/L	1	0	11/30/2007	11/30/2007	2.16	2.16	2	2.18	2.18	1	1	TMDL	0.00
Project 510 Drain	Wet	Total Phosphate	mg/L	1	0	11/30/2007	11/30/2007	0.8	0.8	1	0.80	0.80				
Project 510 Drain	Wet	TSS	mg/L	1	0	11/30/2007	11/30/2007	130	130	130	130.00	130.00				
Project 77 Drain	Undefined	E. Coli	(MPN/100mL)	4	0	12/26/2007	2/27/2008	100	4600	1,278	205.00	205.00	2	235	Basin Plan	0.09
Project 77 Drain	Undefined	Ent.	(MPN/100mL)	4	0	12/26/2007	2/27/2008	10	480	128	10.00	10.00				
Project 77 Drain	Undefined	Tot. Coli.	(MPN/100mL)	4	0	12/26/2007	2/27/2008	100	29000	9,750	4,950.00	4,950.00				
Project 77 Drain	Dry	Alkalinity	mg/L	35	0	10/19/2007	5/4/2009	58	198	116	112.00	112.00				
Project 77 Drain	Dry	Hardness	mg/L	30	0	10/19/2007	5/4/2009	178	363	269	265.00	265.00				
Project 77 Drain	Dry	Inorganic Nitrogen	mg/L	41	0	10/19/2007	6/29/2009	0.53	2.79	1	1.02	1.02				
Project 77 Drain	Dry	Kjeldhal-N	mg/L	41	0	10/19/2007	6/29/2009	0.19	23.41	2	1.59	1.59				
Project 77 Drain	Dry	NH3-N	mg/L	41	0	10/19/2007	6/29/2009	0.05	0.83	0	0.16	0.13				
Project 77 Drain	Dry	NO2	mg/L	41	0	10/19/2007	6/29/2009	0.06	0.72	0	0.12	0.02				
Project 77 Drain	Dry	NO3	mg/L	41	0	10/19/2007	6/29/2009	0.37	2.48	1	0.86	0.85	0	45	Basin Plan	0.00
Project 77 Drain	Dry	Organic-N	mg/L	41	0	10/19/2007	6/29/2009	0.1	23.1	2	1.50	1.50				
Project 77 Drain	Dry	Ortho-Phosphorus	mg/L	41	0	10/19/2007	6/29/2009	0.1	1.15	0	0.35	0.35				
Project 77 Drain	Dry	TDS	mg/L	39	0	10/19/2007	6/29/2009	500	2980	715	628.00	628.00				
Project 77 Drain	Dry	Total Nitrogen	mg/L	41	0	10/19/2007	6/29/2009	0.88	25.89	3	2.60	2.60	40	1	TMDL	1.65
Project 77 Drain	Dry	Total Phosphate	mg/L	41	0	10/19/2007	6/29/2009	0.16	4.18	1	0.42	0.42				
Project 77 Drain	Dry	TSS	mg/L	40	0	10/19/2007	6/29/2009	1.6	181	12	4.00	4.00				
Project 77 Drain	Wet	Alkalinity	mg/L	6	0	11/30/2007	2/17/2009	28	124	83	88.00	88.00				
Project 77 Drain	Wet	Hardness	mg/L	6	0	11/30/2007	2/17/2009	30.4	264	147	130.50	130.50				
Project 77 Drain	Wet	Inorganic Nitrogen	mg/L	6	0	11/30/2007	2/17/2009	1.01	3.41	2	1.77	1.77				
Project 77 Drain	Wet	Kjeldhal-N	mg/L	6	0	11/30/2007	2/17/2009	0.74	2.83	2	2.61	2.61				
Project 77 Drain	Wet	NH3-N	mg/L	6	0	11/30/2007	2/17/2009	0.14	0.76	0	0.50	0.50				
Project 77 Drain	Wet	NO2	mg/L	6	0	11/30/2007	2/17/2009	0.1	0.56	0	0.14	0.06				
Project 77 Drain	Wet	NO3	mg/L	6	0	11/30/2007	2/17/2009	0.74	2.42	1	1.12	1.12	0	45	Basin Plan	0.00
Project 77 Drain	Wet	Organic-N	mg/L	6	0	11/30/2007	2/17/2009	0.6	2.3	2	1.95	1.95				
Project 77 Drain	Wet	Ortho-Phosphorus	mg/L	6	0	11/30/2007	2/17/2009	0.06	2.01	1	0.52	0.52				
Project 77 Drain	Wet	TDS	mg/L	6	0	11/30/2007	2/17/2009	92	620	386	378.00	378.00				
Project 77 Drain	Wet	Total Nitrogen	mg/L	6	0	11/30/2007	2/17/2009	1.77	5.71	4	3.92	3.92	6	1	TMDL	1.22
Project 77 Drain	Wet	Total Phosphate	mg/L	6	0	11/30/2007	2/17/2009	0.2	1.99	1	0.64	0.64				
Project 77 Drain	Wet	TSS	mg/L	6	0	11/30/2007	2/17/2009	3	311	93	31.50	31.50				
Wilmington Drain	Undefined	E. Coli	(MPN/100mL)	4	0	12/26/2007	2/27/2008	100	1400	450	150.00	150.00	1	235	Basin Plan	0.04
Wilmington Drain	Undefined	Ent.	(MPN/100mL)	4	0	12/26/2007	2/27/2008	10	1200	310	15.00	15.00				
Wilmington Drain	Undefined	Tot. Coli.	(MPN/100mL)	4	0	12/26/2007	2/27/2008	5400	19000	10,675	9,150.00	9,150.00				
Wilmington Drain	Dry	Alkalinity	mg/L	29	0	10/19/2007	2/2/2009	108	238	169	164.00	164.00				
Wilmington Drain	Dry	Hardness	mg/L	31	0	10/19/2007	6/15/2009	137	1000	554	573.00	573.00				
Wilmington Drain	Dry	Inorganic Nitrogen	mg/L	30	0	10/19/2007	2/2/2009	0.29	1.97	1	0.91	0.89				
Wilmington Drain	Dry	Kjeldhal-N	mg/L	30	0	10/19/2007	2/2/2009	0.85	16.33	2	1.91	1.91				
Wilmington Drain	Dry	NH3-N	mg/L	39	0	10/19/2007	2/2/2009	0.15	1.44	1	0.52	0.52				
Wilmington Drain	Dry	NO2	mg/L	30	0	10/19/2007	2/2/2009	0.05	0.35	0	0.12	0.02				
Wilmington Drain	Dry	NO3	mg/L	30	0	10/19/2007	2/2/2009	0.1	2.09	1	0.37	0.37	0	45	Basin Plan	0.00
Wilmington Drain	Dry	Organic-N	mg/L	30	0	10/19/2007	2/2/2009	0.6	15.4	2	1.30	1.30				
Wilmington Drain	Dry	Ortho-Phosphorus	mg/L	30	0	10/19/2007	2/2/2009	0.21	4.42	1	0.40	0.39				
Wilmington Drain	Dry	TDS	mg/L	29	0	10/19/2007	2/2/2009	580	1760	1,217	1,240.00	1,240.00				
Wilmington Drain	Dry	Total Nitrogen	mg/L	30	0	10/19/2007	2/2/2009	1.29	18.42	3	2.31	2.31	30	1	TMDL	1.29
Wilmington Drain	Dry	Total Phosphate	mg/L	30	0	10/19/2007	2/2/2009	0.11	4.66	1	0.51	0.51				
Wilmington Drain	Dry	TSS	mg/L	30	0	10/19/2007	2/2/2009	2	38	12	8.00	8.00				

Table E.5: Machado Lake - Water Quality Data Summary

Location	Weather	Constituent	Units	Total No. of Values	No. Values with ND	Dates Sampled		Min.	Max.	Avg.	Median		No. of Exceed.	Regulatory Threshold	Regulatory Source	Exceed. Frequency (# exceed. per year)
						From	To				w/o ND	w/ND				
Wilmington Drain	Wet	Alkalinity	mg/L	6	0	11/30/2007	2/17/2009	14	158	85	84.00	84.00				
Wilmington Drain	Wet	Hardness	mg/L	6	0	11/30/2007	2/17/2009	22.8	442	190	204.50	204.50				
Wilmington Drain	Wet	Inorganic Nitrogen	mg/L	6	0	11/30/2007	2/17/2009	0.61	1.67	1	1.35	1.35				
Wilmington Drain	Wet	Kjeldhal-N	mg/L	6	0	11/30/2007	2/17/2009	0.89	1.76	1	1.26	1.26				
Wilmington Drain	Wet	NH3-N	mg/L	7	0	11/30/2007	2/17/2009	0.16	0.86	0	0.50	0.50				
Wilmington Drain	Wet	NO2	mg/L	6	0	11/30/2007	2/17/2009	0.06	0.06	0	0.06	0.02				
Wilmington Drain	Wet	NO3	mg/L	6	0	11/30/2007	2/17/2009	0.45	1.17	1	0.85	0.85	0	45	Basin Plan	0.00
Wilmington Drain	Wet	Organic-N	mg/L	6	0	11/30/2007	2/17/2009	0.6	0.94	1	0.90	0.90				
Wilmington Drain	Wet	Ortho-Phosphorus	mg/L	6	0	11/30/2007	2/17/2009	0.07	0.9	0	0.45	0.45				
Wilmington Drain	Wet	TDS	mg/L	6	0	11/30/2007	2/17/2009	52	820	421	374.00	374.00				
Wilmington Drain	Wet	Total Nitrogen	mg/L	6	0	11/30/2007	2/17/2009	1.51	2.57	2	2.13	2.13	6	1	TMDL	1.22
Wilmington Drain	Wet	Total Phosphate	mg/L	6	0	11/30/2007	2/17/2009	0.13	0.93	0	0.50	0.50				
Wilmington Drain	Wet	TSS	mg/L	6	0	11/30/2007	2/17/2009	4	88	40	39.50	39.50				

Notes:
Water quality data available but no screening criteria was determined.
Source:
City of Los Angeles Department of Public Works Bureau of Sanitation
Watershed Protection Division - Pollutant Assessment Section
Machado Lake Nutrient TMDL Monitoring Program

Table E.6: Dominguez Channel - Ammonia Study Data Summary

Date	Sampling Site	Waterbody	Sample ID EMD	Sample ID WPD	MDL (mg/L)	ML (mg/L)	Total Ammonia Concentration (mg/L NH_3-N)	pH	Temperature (°C)	Unionized Ammonia (mg/L)	Weather	Basin Plan Amendment (2002, 2004) Criteria		Exceed.
												Total Ammonia (NH_3-N) (mg/L)	Unionized Ammonia (NH_3-N) (mg/L)	
7/1/2009	190th St. @ Figueroa St.	Estuary	HT132614-4	DC-E-190	0.05	0.1	ND	7.56	24.90		Dry			
7/8/2009	190th St. @ Figueroa St.	Estuary	HT132877-4	DC-E-190	0.05	0.1	ND	7.53	24.30		Dry			
7/15/2009	190th St. @ Figueroa St.	Estuary	HT133123-4	DC-E-190	0.05	0.1	ND	7.68	26.90		Dry			
7/22/2009	190th St. @ Figueroa St.	Estuary	HT133363-4	DC-E-190	0.05	0.1	ND	7.66	27.90		Dry			
7/29/2009	190th St. @ Figueroa St.	Estuary	HT133594-4	DC-E-190	0.05	0.1	0.23	7.61	26.80	0.006	Dry	1.783	0.029	No
8/5/2009	190th St. @ Figueroa St.	Estuary	HT133830-4	DC-E-190	0.05	0.1	ND	7.78	26.90		Dry			
8/13/2009	190th St. @ Figueroa St.	Estuary	HT134118-4	DC-E-190	0.05	0.1	ND	7.82	25.30		Dry			
7/1/2009	223rd St. @ Wilmington Ave.	Estuary	HT132614-3	DC-E-223	0.05	0.1	ND	7.65	24.10		Dry			
7/8/2009	223rd St. @ Wilmington Ave.	Estuary	HT132877-3	DC-E-223	0.05	0.1	ND	7.69	24.30		Dry			
7/15/2009	223rd St. @ Wilmington Ave.	Estuary	HT133123-3	DC-E-223	0.05	0.1	ND	7.81	25.30		Dry			
7/22/2009	223rd St. @ Wilmington Ave.	Estuary	HT133363-3	DC-E-223	0.05	0.1	ND	7.62	25.00		Dry			No
7/29/2009	223rd St. @ Wilmington Ave.	Estuary	HT133594-3	DC-E-223	0.05	0.1	0.16	7.73	26.00	0.005	Dry	1.650	0.029	
8/5/2009	223rd St. @ Wilmington Ave.	Estuary	HT133830-3	DC-E-223	0.05	0.1	ND	7.71	25.20		Dry			
8/13/2009	223rd St. @ Wilmington Ave.	Estuary	HT134118-3	DC-E-223	0.05	0.1	ND	7.84	24.50		Dry			
7/1/2009	Henry Ford Ave.	Estuary	HT132614-1	DC-E-HFD	0.05	0.1	ND	7.60	25.30		Dry			
7/8/2009	Henry Ford Ave.	Estuary	HT132877-1	DC-E-HFD	0.05	0.1	ND	7.72	24.30		Dry			
7/15/2009	Henry Ford Ave.	Estuary	HT133123-1	DC-E-HFD	0.05	0.1	ND	7.74	25.10		Dry			
7/22/2009	Henry Ford Ave.	Estuary	HT133363-1	DC-E-HFD	0.05	0.1	ND	7.76	25.30		Dry			
7/29/2009	Henry Ford Ave.	Estuary	HT133594-1	DC-E-HFD	0.05	0.1	0.16	7.75	21.00	0.004	Dry	2.225	0.029	No
8/5/2009	Henry Ford Ave.	Estuary	HT133830-1	DC-E-HFD	0.05	0.1	ND	7.75	21.90		Dry			
8/13/2009	Henry Ford Ave.	Estuary	HT134118-1	DC-E-HFD	0.05	0.1	ND	7.74	25.50		Dry			
7/1/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT132614-2	DC-E-SPV	0.05	0.1	ND	7.63	23.30		Dry			
7/8/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT132877-2	DC-E-SPV	0.05	0.1	ND	7.71	24.30		Dry			
7/15/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT133123-2	DC-E-SPV	0.05	0.1	ND	7.75	24.90		Dry			
7/22/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT133363-2	DC-E-SPV	0.05	0.1	ND	7.73	25.40		Dry			
7/29/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT133594-2	DC-E-SPV	0.05	0.1	0.16	7.62	24.50	0.004	Dry	2.047	0.288	No
8/5/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT133830-2	DC-E-SPV	0.05	0.1	ND	7.69	22.40		Dry			
8/13/2009	Sepulveda Blvd. @ Alameda St.	Estuary	HT134118-2	DC-E-SPV	0.05	0.1	ND	7.76	23.60		Dry			
7/1/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT132614-6	DC-F-ART	0.05	0.1	ND	8.77	24.30		Dry			
7/8/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT132877-6	DC-F-ART	0.05	0.1	DNQ (0.08)	8.42	24.30		Dry			
7/15/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT133123-6	DC-F-ART	0.05	0.1	ND	8.56	29.50		Dry			
7/22/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT133363-6	DC-F-ART	0.05	0.1	ND	9.04	31.20		Dry			
7/29/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT133594-6	DC-F-ART	0.05	0.1	0.12	8.81	25.50	0.033	Dry	0.320	-	No
8/5/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT133830-6	DC-F-ART	0.05	0.1	ND	9.16	29.40		Dry			
8/13/2009	Artesia Blvd. @ Western Ave.	Freshwater	HT134118-6	DC-F-ART	0.05	0.1	ND	9.01	26.80		Dry			
7/1/2009	El Segundo Blvd.	Freshwater	HT132614-8	DC-F-ELS	0.05	0.1	ND	9.76	24.30		Dry			
7/8/2009	El Segundo Blvd.	Freshwater	HT132877-8	DC-F-ELS	0.05	0.1	ND	9.88	24.70		Dry			
7/15/2009	El Segundo Blvd.	Freshwater	HT133123-8	DC-F-ELS	0.05	0.1	ND	10.12	32.00		Dry			
7/22/2009	El Segundo Blvd.	Freshwater	HT133363-8	DC-F-ELS	0.05	0.1	ND	8.99	31.50		Dry			
7/29/2009	El Segundo Blvd.	Freshwater	HT133594-8	DC-F-ELS	0.05	0.1	0.18	10.14	30.00	0.165	Dry	0.070	-	Yes
8/5/2009	El Segundo Blvd.	Freshwater	HT133830-8	DC-F-ELS	0.05	0.1	ND	9.57	30.70		Dry			
8/13/2009	El Segundo Blvd.	Freshwater	HT134118-8	DC-F-ELS	0.05	0.1	ND	9.69	27.80		Dry			
7/1/2009	Manhattan Beach Blvd.	Freshwater	HT132614-7	DC-F-MAN	0.05	0.1	ND	8.84	24.30		Dry			
7/8/2009	Manhattan Beach Blvd.	Freshwater	HT132877-7	DC-F-MAN	0.05	0.1	ND	8.60	24.50		Dry			
7/15/2009	Manhattan Beach Blvd.	Freshwater	HT133123-7	DC-F-MAN	0.05	0.1	ND	8.62	25.70		Dry			
7/22/2009	Manhattan Beach Blvd.	Freshwater	HT133363-7	DC-F-MAN	0.05	0.1	ND	8.79	26.90		Dry			
7/29/2009	Manhattan Beach Blvd.	Freshwater	HT133594-7	DC-F-MAN	0.05	0.1	1.50	8.93	26.00	0.513	Dry	0.257	-	Yes
8/5/2009	Manhattan Beach Blvd.	Freshwater	HT133830-7	DC-F-MAN	0.05	0.1	ND	8.41	25.40		Dry			
8/13/2009	Manhattan Beach Blvd.	Freshwater	HT134118-7	DC-F-MAN	0.05	0.1	ND	8.48	24.60		Dry			
7/1/2009	Vermont Ave.	Freshwater	HT132614-5	DC-F-VER	0.05	0.1	ND	8.71	24.30		Dry			
7/8/2009	Vermont Ave.	Freshwater	HT132877-5	DC-F-VER	0.05	0.1	ND	8.57	24.40		Dry			
7/15/2009	Vermont Ave.	Freshwater	HT133123-5	DC-F-VER	0.05	0.1	ND	8.89	29.50		Dry			
7/22/2009	Vermont Ave.	Freshwater	HT133363-5	DC-F-VER	0.05	0.1	0.15	7.96	28.70	0.009	Dry	1.033	-	No
7/29/2009	Vermont Ave.	Freshwater	HT133594-5	DC-F-VER	0.05	0.1	0.17	8.70	25.10	0.038	Dry	0.3933	-	No
8/5/2009	Vermont Ave.	Freshwater	HT133830-5	DC-F-VER	0.05	0.1	ND	8.69	27.40		Dry			
8/13/2009	Vermont Ave.	Freshwater	HT134118-5	DC-F-VER	0.05	0.1	ND	8.91	26.50		Dry			

Notes:
MDL = Method Detection Limit (the concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR Part 136 Appendix B).

Table E.6: Dominguez Channel - Ammonia Study Data Summary

Date	Sampling Site	Waterbody	Sample ID EMD	Sample ID WPD	MDL (mg/L)	ML (mg/L)	Total Ammonia Concentration (mg/L NH_3-N)	pH	Temperature (˚C)	Unionized Ammonia (mg/L)	Weather	Basin Plan Amendment (2002, 2004) Criteria		Exceed.
												Total Ammonia (NH_3-N) (mg/L)	Unionized Ammonia (NH_3-N) (mg/L)	

ML = Minimum Level (the concentration of a substance equivalent to the lowest calibration standard).
ND = Not Detected (concentration below MDL).
DNQ = Detected, NOT Quantified (concentration falls below the ML, but above the MDL). Estimated values shown in parentheses.
AE = Analysis Error (no value to report)
pH/Temperature were measured using a temperature-compensated pH probe, calibrated daily prior to use.
Source:
City of Los Angeles, Department of Public Works, Bureau of Sanitation, Watershed Protection Division, Pollution Assessment Section
Special Ammonia Sampling at Dominguez Channel
4 Freshwater, 4 Estuary Stations

PAGE INTENTIONALLY LEFT BLANK

Water and sediment quality monitoring reports were collected and reviewed as part of the characterization. These reports are summarized in Table E.7.

Table E.7: Monitoring Reports Reviewed for Water Quality Characterization

Source	Water Body(ies)	Date Range
LACDPW NPDES MS4 Stormwater Monitoring Reports	Dominguez Channel Mass Emission Station	2002-2012
	Dominguez Channel Tributary Monitoring	2008-2011
Surface Water Ambient Monitoring Program (SWAMP)	Dominguez Channel, Machado Lake and LA/LB Harbor	2003
Dominguez Channel/Consolidated Slip Erosion Study	Dominguez Channel Estuary and Consolidated Slip	2011
Southern California Bight Regional Monitoring Program	LA/LB Harbor	2003 2008
POLA water data	Inner, Fish, and Outer Harbor	2005
Port of Long Beach (POLB) water data	Inner Harbor	2006
POLA/POLB Sediment Survey	Inner and Outer Harbor	2006
City of LA Terminal Island Water Reclamation Plant Biennial Assessment Report	Outer Harbor	2002/2003 2008/2009 2010/2011
Southern California Coastal Water Research Project (SCCWRP) DDE Inventory	Inner and Outer Harbor	2003
Consolidated Slip Restoration Project Concept Plan Supplemental Report	Dominguez Channel, Dominguez Channel Estuary, Torrance Lateral, and Consolidated Slip	2002
SCCWRP Atmospheric Deposition in LA/LB Harbor study	Consolidated Slip	2006
Wilmington Drain Sediment Characterization Study - LACDPW and City of Los Angeles Bureau of Engineering (BOE)	Wilmington Drain	2007
City of LA Machado Lake Nutrients and Toxics TMDL Lake Water Quality Management Plan	Machado Lake and Wilmington Drain	2001-2009

Tables of the observed exceedances over the monitoring period and exceedances over the past five years (starting in January 2008) are summarized in Table E.9 through Table E.13 below. The last ten years of data was identified and evaluated based on the requirements specified in the Reasonable Assurance Analysis (RAA) Guidelines as defined in the EWMP Work Plan and the most recent five years of data was focused on, as it is the most relevant. Note that metals were evaluated in dissolved form.

PAGE INTENTIONALLY LEFT BLANK

Table E.8: Summary of Exceedances for the Dominguez Channel Monitoring Locations

				Mainstream of Dominguez Channel								Tributaries			
				El Segundo Blvd		Mass Emission Station, S-28 (Artesia Blvd)		Western Ave		Vermont Ave		Yukon Ave		Carson Plaza Dr	
		Date Range		Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years
Constituent	**Weather**	**From**	**To**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**
Copper[A]	Wet	7/25/02	2/22/07	5/11	-	21/39	12/20	4/11	-	1/4	-	3/4	-	1/4	-
	Dry	4/26/01	5/26/09	35/83	2/16	7/33	5/22	16/82	0/16	7/47	0/16	14/45	3/15	9/36	0/8
Lead[A]	Wet	7/25/02	2/22/07	2/11	-	5/34	5/20	3/11	-	1/3	-	1/4	-	1/4	-
	Dry	4/26/01	5/26/09	8/81	1/16	1/30	1/22	2/81	1/16	1/47	1/16	2/46	1/15	0/36	0/8
Zinc[A]	Wet	7/25/02	2/22/07	3/11	-	18/39	11/20	2/11	-	0/4	-	1/4	-	0/4	-
	Dry	4/26/01	5/26/09	0/82	0/16	2/33	2/22	0/82	0/16	0/47	0/16	1/42	0/15	0/36	0/8
Cadmium	Wet	7/25/02	2/22/07	1/11	-	-	-	0/11	-	0/4	-	0/4	-	0/4	-
	Dry	4/26/01	5/26/09	0/82	0/16	-	-	1/82	0/16	0/47	0/16	0/46	0/15	0/36	0/8
Chromium	Dry	4/26/01	5/26/09	1/83	0/16	-	-	0/83	0/16	1/47	1/16	2/46	0/15	0/36	0/8
Mercury	Wet	7/25/02	8/25/05	2/10	-	0/37	0/20	2/10	-	0/3	-	0/3	-	0/3	-
	Dry	4/26/01	2/24/06	8/46	-	1/65	0/22	7/46	-	0/11	-	0/11	-	0/9	-
Thallium	Dry	3/31/05	2/24/06	2/47	-	-	-	1/47	-	0/11	-	0/11	-	0/9	-
Selenium	Dry	5/31/01	5/26/09	0/82	0/17	-	-	0/82	0/17	0/48	0/17	0/47	0/16	7/37	7/9
E. coli[B]	Wet	11/29/01	12/23/08	24/38	22/34	4/4	4/4	29/38	6/6	19/38	5/6	10/12	1/2	9/12	1/2
	Dry	4/3/01	5/26/09	120/250	5/6	5/5	5/5	194/250	27/34	113/250	30/34	41/71	9/15	48/77	6/15
Fecal Coliform	Wet	11/8/02	1/24/13	-	-	44/46	21/21	-	-	-	-	-	-	-	-
	Dry	10/10/02	4/9/13	-	-	19/27	12/18	-	-	-	-	-	-	-	-
Ammonia	Dry	7/1/09	8/13/09	1/7	1/7	-	-	0/7	0/7	0/7	0/7	-	-	-	-
Diazinon	Wet	10/31/06	6/12/13	-	-	3/31	0/20	-	-	-	-	-	-	-	-
	Dry	2/11/03	1/24/13	-	-	0/28	0/22	-	-	-	-	-	-	-	-
Bis(2-Ethylhexl) phthalate	Wet	10/28/03	6/12/13	-	-	3/31	0/21	-	-	-	-	-	-	-	-
	Dry	10/31/03	1/24/13	-	-	1/30	0/23	-	-	-	-	-	-	-	-
pH	Wet	11/8/02	1/24/13	-	-	5/39	3/20	-	-	-	-	-	-	-	-
	Dry	10/10/02	6/12/13	-	-	9/33	8/22	-	-	-	-	-	-	-	-

Table E.8: Summary of Exceedances for the Dominguez Channel Monitoring Locations

				Mainstream of Dominguez Channel								Tributaries			
				El Segundo Blvd		Mass Emission Station, S-28 (Artesia Blvd)		Western Ave		Vermont Ave		Yukon Ave		Carson Plaza Dr	
		Date Range		Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years
Constituent	**Weather**	**From**	**To**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**
Dissolved Oxygen	Wet	11/8/2002	1/24/2013	-	-	1/42	0/18	-	-	-	-	-	-	-	-

E/N = Number of Exceedances/Number of Samples

- = No Data

[A] Copper, Lead, and Zinc measurements for Sampling Station S-28 were taken on the following dates: 2/27/2006 - 1/24/2013 (wet) and 5/16/2005-6/12/2013 (dry)

[B] E. Coli at Sampling Station S-28 was taken on the following dates: 10/11/2012 - 1/24/2013 (wet) and 10/10/2012-4/9/2013 (dry)

Table E.9: Summary of Exceedances at the Torrance Lateral Monitoring Location					
				Main Street	
		Date Range		Overall	Past 5 Years
Constituent	**Weather**	**From**	**To**	**E/N**	**E/N**
	Wet	4/28/2005	2/22/2007	1/4	-
	Dry	1/27/2005	5/26/2009	7/47	1/16
Lead	Wet	4/28/2005	2/22/2007	1/3	-
	Dry	1/27/2005	5/26/2009	1/47	1/16
Zinc	Wet	4/28/2005	2/22/2007	1/4	-
Cadmium	Wet	4/28/2005	2/22/2007	1/4	-
	Dry	1/27/2005	5/26/2009	1/47	0/16
E. coli	Wet	2/27/2003	12/23/2008	7/12	2/2
	Dry	1/17/2002	5/26/2009	42/77	13/15

E/N = Number of Exceedances/Number of Samples
- = No Data

Table E.10: Summary of Exceedances for the Dominguez Channel Estuary Monitoring Locations							
				Wilmington Avenue		Henry Ford Avenue	
		Date Range		Overall	Past 5 Years	Overall	Past 5 Years
Constituent	**Weather**	**From**	**To**	**E/N**	**E/N**	**E/N**	**E/N**
Copper	Wet	7/25/2002	2/22/2007	10/11	-	5/10	-
	Dry	4/26/2001	5/26/2009	44/72	10/10	43/73	9/10
Lead	Wet	7/25/2002	2/22/2007	0/11	-	2/11	-
	Dry	4/26/2001	5/26/2009	12/72	1/9	14/75	1/10
Zinc	Wet	7/25/2002	2/22/2007	2/10	-	1/11	-
	Dry	4/26/2001	5/26/2009	4/75	2/10	0/74	0/10
Silver	Dry	4/26/2001	5/26/2009	1/75	0/9	3/74	0/9
Nickel	Wet	7/25/2002	2/22/2007	1/11	-	1/11	-
	Dry	4/26/2001	5/26/2009	16/75	6/10	16/75	6/10
Mercury	Dry	4/26/2001	2/24/2006	10/46	-	8/45	-

Thallium	Wet	7/25/2002	8/25/2005	1/10	-	1/9	-
	Dry	4/26/2001	1/26/2006	4/47	-	4/46	-
Enterococcus	Wet	11/29/2001	12/23/2008	28/38	5/6	21/38	3/6
	Dry	4/3/2001	5/26/2009	31/250	4/34	12/250	0/34
Total Coliform	Wet	11/29/2001	12/23/2008	33/38	5/6	26/38	4/6
	Dry	4/3/2001	5/26/2009	57/250	5/34	11/250	2/34

E/N = Number of Exceedances/Number of Samples
- = No Data

Table E.11: Summary of Exceedances for the Machado Lake Monitoring Locations

				Machado Lake, ML-1		Machado Lake, ML-2		Machado Lake, ML-3		Machado Lake, ML-4		Project 77 Drain		Project 510 Drain	
		Date Range		Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years	Overall	Past 5 Years
Constituent	**Weather**	**From**	**To**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**	**E/N**
E.Coli	Wet	12/20/07	12/20/07	1/1	-	1/1	-	1/1	-	-	-	-	-	-	-
	Dry	12/26/07	9/29/08	24/54	24/54	18/55	17/54	43/55	43/54	8/47	8/47	2/4	1/3	0/1	-
Total Phosphorus	Wet	5/23/08	2/17/09	1/2	1/1	1/1	1/1	-	-	-	-	-	-	-	-
	Dry	5/19/08	2/7/11	43/52	45/45	45/45	45/45	-	-	-	-	-	-	-	-
Total Nitrogen	Wet	4/17/07	2/17/09	5/6	3/4	4/5	3/4	1/1	1/1	1/1	1/1	6/6	3/3	1/1	-
	Dry	6/16/06	2/7/11	89/106	70/87	92/106	74/87	45/47	45/47	44/47	44/47	40/41	31/32	29/31	22/22
Chlorophyll-a	Wet	5/23/08	2/17/09	1/2	1/2	1/2	1/2	1/1	1/1	1/1	1/1	-	-	-	-
	Dry	5/19/08	2/7/11	43/55	43/55	46/55	46/55	20/20	20/20	19/19	19/19	-	-	-	-
Dissolved Oxygen	Wet	12/26/12	12/26/12	1/1	1/1	1/1	1/1	-	-	-	-	-	-	-	-
	Dry	4/4/11	12/10/12	37/45	37/45	41/45	41/45	-	-	-	-	-	-	-	-

E/N = Number of Exceedances/Number of Samples
- = No Data

Table E.12: Summary of Exceedances at the Wilmington Drain Monitoring Location

				Wilmington Drain	
		Date Range		Overall	Past 5 Years
Constituent	**Weather**	**From**	**To**	**E/N**	**E/N**
E. Coli	Dry	12/26/2007	2/27/2008	1/4	0/3
Total Nitrogen	Wet	11/30/2007	2/17/2009	6/6	3/3
	Dry	10/19/2007	2/2/2009	30/30	21/21

E/N = Number of Exceedances/Number of Samples
- = No Data

The data analysis and results from monitoring reports were used to classify WBPCs into the subcategories of MS4 Permit Categories. A description of those subcategories is presented in Table E.14.

Table E.13: Categorized Water Body-Pollutant Combinations

Category	Water Body-Pollutant Combinations	Description
1	**Category 1A:** WBPCs with past due or current Permit term TMDL deadlines with exceedances in the past 5 years.	WBPCs with TMDLs with past due or current MS4 Permit term interim and/or final limits. These pollutants are the highest priority for the current MS4 Permit term.
	Category 1B: WBPCs with TMDL deadlines beyond the Permit term with exceedances in the past 5 years.	The MS4 Permit does not require the prioritization of TMDL interim and/or final deadlines outside of the Permit term or USEPA TMDLs, which do not have implementation schedules. To ensure EWMPs consider long term planning requirements and utilize the available compliance mechanisms, these WBPCs should be considered during BMP planning and scheduling, and during CIMP development.
	Category 1C: WBPCs addressed in USEPA TMDL without a Regional Board adopted Implementation Plan.	
	Category 1D: WBPCs with past due or current Permit term TMDL deadlines but have there have been no exceedances in the past 5 years.	WBPCs where specific actions may end up not being identified because recent exceedances have not been observed and specific actions may not be necessary. The CIMP should address these WBPCs to support future re-prioritization.
2	**Category 2A:** 303(d) Listed WBPCs or WBPCs that meet 303(d) Listing requirements with exceedances in the past 5 years.	WBPCs with confirmed impairment or exceedances of RWLs. WBPCs in a similar class[1] as those with TMDLs are identified. WBPCs currently on the 303(d) List are differentiated from those that are not to support utilization of EWMP compliance mechanisms.
	Category 2B: 303(d) Listed WBPCs or WBPCs that meet 303(d) Listing requirements that are not a "pollutant"2 (e.g., toxicity).	WBPCs where specific actions may not be identifiable because the cause of the impairment or exceedances is not resolved. Either routine monitoring or special studies identified in the CIMP should support identification of a "pollutant" linked to the impairment and re-prioritization in the future.
	Category 2C: 303(d) Listed WBPCs or WBPCs that meet 303(d) Listing requirements but there have been no exceedances in the past 5 years.	WBPCs where specific actions for implementation may end up not being identified because recent exceedances have not been observed (and thus specific BMPs may not be necessary). Pollutants that are in a similar class[1] as those with TMDLs are identified. Either routine monitoring or special studies identified in the CIMP should ensure these WBPCs are addressed to support re-prioritization in the future.
3	**Category 3A:** Other WBPCs that have exceeded in the past 5 years.	Pollutants that are in a similar class[1] as those with TMDLs are identified.
	Category 3B: Other WBPCs that are not a "pollutant"2 (e.g., toxicity).	WBPCs where specific actions may not be identifiable because the cause of the impairment or exceedances is not resolved. Either routine monitoring or special studies identified in the CIMP should support identification of a "pollutant" linked

Table E.13: Categorized Water Body-Pollutant Combinations		
Category	**Water Body-Pollutant Combinations**	**Description**
		to the impairment and re-prioritization in the future.
	Category 3C: Other WBPCs that have exceeded in the past 10 years, but not in past 5 years.	Pollutants that are in a similar class[1] as those with TMDLs are identified.
	Category 3D: WBPCs identified by the DC WMG.	No other WBPCs were identified for consideration in EWMP planning.

Those pollutants with similar fate and transport mechanisms that can be addressed with the same types of control measures were also grouped into classes. These classes include:

- Bacteria
- Metals
- Nutrients
- Trash
- Historical Organics (HO) – organic compounds including pesticides that are no longer in use such as PCBs and DDT
- Current Organics (CO) – organic Compounds such as pesticides and PAHs that are still in use
- To be determined (TBD) – conditions such as pH, dissolved oxygen, and toxicity that are not classified as pollutants and will need further investigation before grouping into other classes

The tables below lists the subcategorized WBPCs for DC WMG (Table E.15), Torrance Lateral (Table E.16), Dominguez Channel Estuary (Table E.17), Machado Lake (Table E.18), Wilmington Drain (Table E.19), the Consolidated Slip (Table E.20), and the rest of the Los Angeles Harbor areas (Table E.21). Those designations that only apply to a specific weather condition (wet or dry) were marked as such. Refer to Table for a description of the subcategories. Subcategorizations may change as more recent monitoring data becomes available for evaluation.

Table E.14: Summary of Dominguez Channel1 Subcategorized WBPCs

Class	Constituents[2]	Subcategory
Metal	Dissolved Copper (Wet)	1A
Metal	Dissolved Lead (Wet)	1A
Metal	Dissolved Zinc (Wet)	1A
TBD	Toxicity	1D
Bacteria	Indicator Bacteria	2A
Nutrients	Ammonia (Dry)	2A
HO	Diazinon	2C
Metals	Dissolved Copper (Dry)	3A
Metals	Dissolved Lead (Dry)	3A
Metals	Dissolved Zinc (Dry)	3A
Metals	Dissolved Chromium (Dry)	3A
TBD	Cyanide	3A
TBD	pH	3B
Metals	Dissolved Cadmium	3C
Metals	Dissolved Mercury	3C
Metals	Dissolved Thallium (Dry)	3C
CO	Bis (2-Ethylhexl) phthalate	3C
TBD	Dissolved Oxygen	3C

[1] Dominguez Channel refers to lined portion above Vermont Avenue.
[2] If the constituent is noted as wet or dry, then the priority is only based on wet- or dry-weather.
UT = Unknown Toxicity
HO = Historical Organics
CO = Current Organics

Table E.15: Summary of Torrance Lateral Subcategorized WBPCs		
Class	**Constituents[1]**	**Subcategory**
Metal	Dissolved Copper (Wet)	1A
Metal	Dissolved Lead (Wet)	1A
Metal	Dissolved Zinc (Wet)	1A
Bacteria	Coliform Bacteria	2A
Metals	Dissolved Copper (Dry)	3A
Metals	Dissolved Lead (Dry)	3A
TBD	Cyanide	3A
TBD	pH	3A
Nutrients	Ammonia (Dry)	3A
Metals	Dissolved Zinc (Dry)	3C
Metals	Dissolved Cadmium	3C
HO	DDT	3C
HO	PCBs	3C

[1] If the constituent is noted as wet or dry, then the priority is only based on wet- or dry-weather.
UT = Unknown Toxicity
HO = Historical Organics

Table E.16: Summary of Dominguez Channel Estuary Subcategorized WBPCs		
Class	**Constituents[1]**	**Subcategory**
Metals	Cadmium (Sediment)	1A
Metals	Copper (Dissolved and Sediment)	1A
Metals	Lead (Dissolved and Sediment)	1A
Metals	Zinc (Dissolved and Sediment)	1A
HO	DDT (Sediment)	1A
HO	PCBs (Sediment)	1A
HO	Chlordane (Sediment)	1A
HO	Dieldrin (Sediment)	1A
CO	PAHs (Sediment)	1A
TBD	Benthic Community Effects	1D
TBD	Sediment Toxicity	1D
Bacteria	Coliform Bacteria	2A
Nutrients	Ammonia (Dry)	2C
Metals	Arsenic (Sediment)	3A
Metals	Chromium (Sediment)	3A
Metals	Mercury (Sediment)	3A
Metals	Silver (Sediment)	3A
Metals	Dissolved Silver (Dry)	3C
Metals	Dissolved Nickel	3C
Metals	Dissolved Mercury (Dry)	3C
Metals	Thallium (Dissolved)	3C

[1] If the constituent is noted as wet or dry, then the priority is only based on wet- or dry-weather.
UT = Unknown Toxicity

Table E.16: Summary of Dominguez Channel Estuary Subcategorized WBPCs		
Class	**Constituents[1]**	**Subcategory**

HO = Historical Organics
CO = Current Organics

Table E.17: Summary of Machado Lake Subcategorized WBPCs		
Class	**Constituents[1]**	**Subcategory**
Trash	Trash	1A
Nutrients	Total Phosphorus	1A
Nutrients	Total Nitrogen	1A
TBD	Dissolved Oxygen	1A
Nutrients	Chlorophyll-a	1A
HO	PCBs (Sediment)	1B
HO	DDT (Sediment)	1B
HO	Chlordane (Sediment)	1B
HO	Dieldrin (Sediment)	1D
Nutrients	Ammonia	1D
Bacteria	E. coli (Dry)	3A
TBD	pH	3C

[1] If the constituent is noted as wet or dry, then the priority is only based on wet- or dry-weather.
UT = Unknown Toxicity HO = Historical Organics

Table E.18: Summary of Wilmington Drain Subcategorized WBPCs		
Class	**Constituents**	**Subcategory**
Bacteria	Coliform Bacteria	2C
Metals	Dissolved Copper	2C
Metals	Dissolved Lead	2C
Nutrients	Total Nitrogen	3A
HO	DDT (Sediment)	3A
HO	Chlordane (Sediment)	3A
HO	Dieldrin (Sediment)	3A
HO	PCBs (Sediment)	3C

HO = Historical Organics

Table E.19: Summary of Consolidated Slip Subcategorized WBPCs		
Class	**Constituents**	**Subcategory**
Metals	Cadmium (Sediment)	1A
Metals	Chromium (Sediment)	1A
Metals	Copper (Sediment)	1A
Metals	Lead (Sediment)	1A
Metals	Mercury (Sediment)	1A
Metals	Zinc (Sediment)	1A
HO	DDT (Sediment)	1A
HO	PCBs (Sediment)	1A

Table E.19: Summary of Consolidated Slip Subcategorized WBPCs		
Class	**Constituents**	**Subcategory**
CO	PAHs (Sediment)	1A
HO	Chlordane (Sediment)	1A
HO	Dieldrin (Sediment)	1A
HO	Toxaphene (Sediment)	1D
TBD	Benthic Community Effects	1D
TBD	Sediment Toxicity	1D
Metals	Silver (Sediment)	3A
Metals	Arsenic (Sediment)	3A
Metals	Nickel (Sediment)	3A

UT = Unknown Toxicity
HO = Historical Organics
CO = Current Organics

Table E.20: Summary of Other Los Angeles Harbor Subcategorized WBPCs		
Class	**Constituents**	**Subcategory**
Fish Harbor		
Metals	Copper (Sediment)	1D
Metals	Lead (Sediment)	1D
Metals	Mercury (Sediment)	1D
Metals	Zinc (Sediment)	1D
HO	DDT (Sediment & Tissue)	1D
HO	PCBs (Sediment & Tissue)	1D
HO	Chlordane (Sediment)	1D
CO	PAHs (Sediment)	1D
TBD	Sediment Toxicity	1D
Inner Cabrillo Beach		
Bacteria	Indicator Bacteria	1A
HO	DDT (Sediment & Tissue)	1D
HO	PCBs (Sediment & Tissue)	1D
Cabrillo Marina		
HO	DDT (Sediment & Tissue)	1D
HO	PCBs (Sediment & Tissue)	1D
CO	PAHs (Sediment)	1D
Los Angeles/Long Beach Inner Harbor		
Bacteria	Indicator Bacteria	1D
Metals	Copper (Sediment)	1D
Metals	Zinc (Sediment)	1D
HO	DDT (Sediment & Tissue)	1D
HO	PCBs (Sediment & Tissue)	1D
CO	PAHs (Sediment)	1D
TBD	Benthic Community Effects	1D

Table E.20: Summary of Other Los Angeles Harbor Subcategorized WBPCs		
Class	**Constituents**	**Subcategory**
TBD	Sediment Toxicity	1D
Metals	Dissolved Copper	3C
Metals	Dissolved Silver	3C
Los Angeles/Long Beach Outer Harbor		
HO	DDT (Sediment & Tissue)	1A
HO	PCBs (Sediment & Tissue)	1A
TBD	Sediment Toxicity	1D
Metals	Cadmium (Sediment)	3A
Metals	Copper (Sediment)	3A
Metals	Nickel (Sediment)	3A
Metals	Mercury (Sediment)	3C
Metals	Dissolved Copper	3C
Metals	Dissolved Silver	3C

UT = Unknown Toxicity
HO = Historical Organics
CO = Current Organics

Sediment toxicity and benthic community effects are classified as not showing exceedances in the past five years, potentially due to the fact that few samples have been collected in the last 5 years. The POLA and POLB are currently conducting bioaccumulation modeling and studies, fish tissue studies, and additional sediment triad studies to ascertain observed effects associated with elevated sediment concentrations of toxic compounds in the Harbor. These WBPCs can be reclassified when more recent data becomes available.

Per Part VI.C.2.a.iii (pages 51-52), pollutants for which there are exceedances of receiving water limitations, but which the water body is not identified as impaired on the 303(d) List will be addressed in the EWMP process. For most of the watershed, the most critical requirements are associated with the DC and LA Harbor Waters Toxic Pollutants TMDL as well as the Machado Lake Nutrients and Machado Lake Toxics TMDLs.

In addition to addressing the TMDL pollutants, the DC WMG will also address the requirements set forth by the MS4 Permit in regards to Category 2 and 3 pollutants. Pursuant to the MS4 Permit, Parts VI.C.2.a.ii.(5) (pages 50-51) and VI.C.2.a.iii.(2).(d) (page 52), interim and final milestones for WBPCs identified as Category 2 or 3 in Section 2 will be established.

Compliance schedules for the water bodies within the DC WMA are presented in Table E.21 through Table E.26.

Table E.21: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Dominguez Channel

	Date	Receiving Water Quality Objectives
Constituents Addressed in a TMDL		
Metals (Total Copper (Wet), Total Lead (Wet), Total Zinc (Wet)) and Toxicity		
Milestone 1	3/23/2026	50% reduction from baseline[1]
Milestone 2	3/23/2029	75% reduction from baseline[1]
Milestone 3	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs for wet weather metals and toxicity	3/23/2032	Total Recoverable Metals Freshwater Targets: Copper (Wet)[2] = 9.7 ug/L; Lead (Wet)[2] = 42.7 ug/L; Zinc (Wet)[2]= 69.6 ug/L Toxicity = 1.0 Tuc
Constituents on the 2010 303(d) list, but not Addressed in a TMDL		
Indicator Bacteria		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data and Determine if TMDL Development is Necessary	3/23/2017	
Meet Water Quality Objectives (Dry)	3/23/2032	Single Sample Limits: *E. coli* = 235/100 mL
Meet Water Quality Objectives (Wet)	3/23/2040	Single Sample Limits: *E. coli* = 235/100 mL
Ammonia		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data to support recommended delisting	3/23/2017	Dry = 30-day average pH and temperature dependent[3] water quality objective for Ammonia as N Wet = One-hour average pH and temperature dependent[3] water quality objective for Ammonia as N
Diazinon		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data to support recommended delisting	3/23/2017	Dry (chronic) = 0.05 ug/L; Wet (acute) = 0.08 ug/L
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Metals (Total Copper (Dry), Total Lead (Dry), Total Zinc (Dry), Total Cadmium, Chromium (Dry), Mercury, Thallium (Dry))		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets: Total Recoverable Metals Freshwater Targets: Copper (Dry)[4] = 19.71 ug/L; Lead (Dry)[4] = 9.70 ug/L; Zinc (Dry)[4] = 251.58 ug/L; Cadmium (Dry)[4] = 4.90 ug/L; Cadmium (Wet)[4] = 2.07 ug/L; Chromium (Dry) = 11 ug/L; Mercury 0.051 ug/L; Thallium (Dry) = 6.3 ug/L
Cyanide		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data	3/23/2017	Cyanide (Wet) = 22 ug/L; Cyanide (Dry) = 5.2 ug/L
Bis(2-Ethylhexel) phthalate		

Table E.21: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Dominguez Channel

	Date	Receiving Water Quality Objectives
Conduct Monitoring through CIMP to confirm exceedances	Ongoing	
Evaluate Monitoring Data	3/23/2017	1.8 ug/L
pH		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data	3/23/2017	6.5 < pH < 8.5
Dissolved Oxygen		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data	3/23/2017	Dissolved Oxygen > 5mg/L

(1) Baseline will be identified during the Reasonable Assurance Analysis Process.
(2) Acute total recoverable metals freshwater targets shown using the site specific conversion factors listed in the Dominguez Channel Toxics TMDL. Factors utilize a hardness of 50 mg/L. Dissolved metals CTR criteria at the equivalent hardness are as follows: Copper (Wet) = 6.99 ug/L; Lead (Wet) = 30.14 ug/L; Zinc (Wet) = 65.13 ug/L.
(3) Ambient pH and temperature measurements will be taken at the time of sampling to determine the applicable receiving water quality target.
(4) A hardness of 50 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 240 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.
(5) The Dominguez Channel Estuary Water Quality Objectives are assuming saltwater conditions.
(6) A hardness of 205 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 570 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.

Table E.22: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Torrance Lateral		
	Date	**Receiving Water Quality Objectives**
Constituents Addressed in a TMDL		
Metals (Total Copper (Wet), Total Lead (Wet), Total Zinc (Wet))		
Milestone 1	3/23/2026	50% reduction from baseline[1]
Milestone 2	3/23/2029	75% reduction from baseline[1]
Milestone 3	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs for wet weather metals and toxicity	3/23/2032	Total Recoverable Metals Freshwater Targets: Copper (Wet)[2] = 9.7 ug/L; Lead (Wet)[2] = 42.7 ug/L; Zinc (Wet)[2] = 69.6 ug/L
Constituents on the 2010 303(d) list, but not Addressed in a TMDL		
Coliform Bacteria		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data and Determine if TMDL Development is Necessary	3/23/2017	
Meet Water Quality Objectives (Dry)	3/23/2032	Single Sample Limits: *E. coli* = 235/100 mL
Meet Water Quality Objectives (Wet)	3/23/2040	Single Sample Limits: *E. coli* = 235/100 mL
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Metals (Total Copper (Dry), Total Lead (Dry), Total Zinc (Dry), Total Cadmium)		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets
Meet Water Quality Objectives	3/23/2040	Total Recoverable Metals Freshwater Targets: Copper (Dry)[4] = 19.71 ug/L; Lead (Dry)[4] = 9.70 ug/L; Zinc (Dry)[4] = 251.58 ug/L; Cadmium (Dry)[4] = 4.90 ug/L; Cadmium (Wet)[4] = 2.07 ug/L
Sediment-Bound Historical Organics (DDT, PCBs)		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets
Meet Water Quality Objectives	3/23/2040	Total DDT (ERL) = 1.58 ug/kg; Total DDT (ERM) = 46.1 ug/kg; Total PCBs (ERL) = 22.7 ug/kg; Total PCBs (ERM) = 180 ug/kg
Cyanide		
Conduct Monitoring through CIMP to confirm exceedances	Ongoing	
Evaluate Monitoring Data	3/23/2017	Cyanide (Dry) = 5.2 ug/L; Cyanide (Wet) = 22 ug/L
Ammonia (Dry)		
Conduct Monitoring through CIMP to confirm exceedances	Ongoing	
Evaluate Monitoring Data	3/23/2017	
Meet Water Quality Objectives (Dry)	3/23/2030	30-day average pH and temperature dependent[3] water quality objective for Ammonia as N
Meet Water Quality Objectives (Wet)	3/23/2040	One-hour average pH and temperature dependent[3] water quality objective for Ammonia as N
pH		
Conduct Monitoring through the CIMP	Ongoing	
Evaluate Monitoring Data	3/23/2017	6.5 < pH < 8.5

Table E.22: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Torrance Lateral		
	Date	**Receiving Water Quality Objectives**

(1) Baseline will be identified during the Reasonable Assurance Analysis Process.
(2) Acute total recoverable metals freshwater targets shown using the site specific conversion factors listed in the Dominguez Channel Toxics TMDL. Factors utilize a hardness of 50 mg/L. Dissolved metals CTR criteria at the equivalent hardness are as follows: Copper (Wet) = 6.99 ug/L; Lead (Wet) = 30.14 ug/L; Zinc (Wet) = 65.13 ug/L.
(3) Ambient pH and temperature measurements will be taken at the time of sampling to determine the applicable receiving water quality target.
(4) A hardness of 50 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 240 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.
(5) The Dominguez Channel Estuary Water Quality Objectives are assuming saltwater conditions.
(6) A hardness of 205 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 570 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.

Table E.23: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Dominguez Channel Estuary		
	Date	**Receiving Water Quality Objectives**
Constituents Addressed in a TMDL		
Metals (Copper, Lead, Zinc, and Cadmium (sediment)), Historical Organics (DDT, PCBs, Chlordane, Dieldrin), Current Organics (PAHs), Sediment Toxicity, Benthic Community Effects		
Milestone 1	3/23/2026	50% reduction from baseline[1]
Milestone 2	3/23/2029	75% reduction from baseline[1]
Milestone 3	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs for wet weather metals and toxicity	3/23/2032	Receiving Water Targets: Copper (ERL) = 34 mg/kg; Lead (ERL) = 46.7 mg/kg; Zinc (ERL) = 150 mg/kg; Cadmium (ERL) = 1.2 mg/kg; Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg; Chlordane (ERL) = 0.5 mg/kg; Dieldrin (ERL) = 0.02 ug/kg; Total PAHs (ERL) = 4,022 ug/kg
Constituents on the 2010 303(d) list, but not Addressed in a TMDL		
Coliform Bacteria		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data and Determine if TMDL Development is Necessary	3/23/2017	
Meet Water Quality Objectives (Dry)	3/23/2032	Single Sample Limits: Total coliform = 10,000/100 mL; Fecal coliform = 400/100 mL; Enterococcus = 104/100 mL
Meet Water Quality Objectives (Wet)	3/23/2040	Single Sample Limits: Total coliform = 10,000/100 mL; Fecal coliform = 400/100 mL; Enterococcus = 104/100 mL
Ammonia		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data to support recommended delisting	3/23/2017	Dry = Unionized Ammonia-N (Dry) = 0.0287 mg/L Wet = Unionized Ammonia-N (Wet) = 0.192 mg/L
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Metals (Sediment - Arsenic, Chromium, Mercury, Silver; Dissolved - Silver, Nickel, Mercury, Thallium)		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets
Meet Water Quality Objectives	3/23/2040	Arsenic (ERL) = 8.2 mg/kg; Chromium (ERL) = 81 mg/kg; Mercury (ERL) =0.15 mg/kg; Silver (ERL)= 1.0 mg/kg; Silver = 1.9 ug/L; Nickel (Wet) = 74 ug/L; Nickel (Dry) = 8.2 ug/L; Mercury = 0.051 ug/L; Thallium = 6.3 ug/L

(1) Baseline will be identified during the Reasonable Assurance Analysis Process.
(2) Acute total recoverable metals freshwater targets shown using the site specific conversion factors listed in the Dominguez Channel Toxics TMDL. Factors utilize a hardness of 50 mg/L. Dissolved metals CTR criteria at the equivalent hardness are as follows: Copper (Wet) = 6.99 ug/L; Lead (Wet) = 30.14 ug/L; Zinc (Wet) = 65.13 ug/L.
(3) Ambient pH and temperature measurements will be taken at the time of sampling to determine the applicable receiving water quality target.
(4) A hardness of 50 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 240 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.
(5) The Dominguez Channel Estuary Water Quality Objectives are assuming saltwater conditions.
(6) A hardness of 205 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 570 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.

Table E.24: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Machado Lake		
	Date	**Receiving Water Quality Objectives**
Constituents Addressed in a TMDL		
Trash		
Achieve 20% Reduction from Baseline WLA through Installation of Full Capture Systems or Other Measures	3/6/2012	20% reduction from baseline
Achieve 40% Reduction from Baseline WLA through Installation of Full Capture Systems or Other Measures	3/6/2013	40% reduction from baseline
Achieve 60% Reduction from Baseline WLA through Installation of Full Capture Systems or Other Measures	3/6/2014	60% reduction from baseline
Achieve 80% Reduction from Baseline WLA through Installation of Full Capture Systems or Other Measures	3/6/2015	80% reduction from baseline
Achieve 100% Reduction from Baseline WLA through Installation of Full Capture Systems or Other Measures	3/6/2016	100% reduction from baseline
Nutrients (Total Phosphorus, Total Nitrogen, Dissolved Oxygen, Chlorophyll-a, Ammonia)		
LARWQCB approval of Nutrient LWQMP	2/14/2011	
LARWQCB approval of County's MRP	4/25/2012	
LARWQCB approval of County's Multipollutant TMDL Implementation Plan	9/12/2012	
LARWQCB conditional approval of LACFCD MRP	9/18/2013	
Meet 5-year Interim WLAs and LAs for Total Phosphorus and Total Nitrogen	3/11/2014	Total Phosphorus = 1.25 mg/L; Total Nitrogen = 2.45
LARWQCB approval of LACFCD's Nutrient TMDL Implementation Plan	4/17/2014	
TMDL Reconsideration by Regional Board (based on Optional Studies)	9/11/2016	
Meet Final WLAs and LAs for Total Phosphorus and Total Nitrogen	9/11/2018	Receiving Water Targets: Total Phosphorus = 0.1 mg/L; Total Nitrogen = 1.00; Ammonia (acute) = 5.95 mg/L; Ammonia (chronic) = 2.15 mg/L; Dissolved Oxygen = 5 mg/L; Chlorophyll a = 20 ug/L
Pesticides and PCBs (PCBs, DDT, Chlordane, Dieldrin)		
Submit MRP and QAPP (LACFCD)	9/20/2012	
Executive approval of MRP and QAPP	TBD	
Conduct Phase I Monitoring	2 year monitoring period beginning 60 days from the date of MRP and QAPP	
Conduct Phase II Monitoring	Conducted following Phase I Monitoring (for 5 year period)	
Submit Draft Implementation Plan to attain WLAs	6 months from the completion of Phase I Monitoring	
Submit Final Implementation Plan to attain WLAs (addressed through EWMP)	1 year from the	

Table E.24: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Machado Lake		
	Date	**Receiving Water Quality Objectives**
	completion of Phase I Monitoring	
Amend Machado Lake Nutrient LWQMP, MRP and QAPP (City of LA) to include Pesticides and PCBs	9/20/2014	
Begin Implementation of LWQMP	60 days from LWQMP approval	
Meet Final WLAs and LAs for Pesticides and PCBs	9/30/2019	Receiving Water Targets: Total PCBs = 0.00017 ug/L; 4,4' DDT = 0.00059 ug/L; 4,4' DDE = 0.00059 ug/L; 4,4' DDD = 0.00084 ug/L; Chlordane = 0.00059 ug/L; Dieldrin = 0.00014 ug/L
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
E. coli		
Conduct Monitoring under CIMP	3/23/2040	Single Sample Limits: *E. coli* = 235/100mL
pH		
Conduct general chemistry monitoring under the CIMP for Phase I of Machado Lake Pesticides and PCBs TMDL		6.5 < pH < 8.5
Conduct general chemistry monitoring under the CIMP for Phase II of Machado Lake Pesticides and PCBs TMDL		6.5 < pH < 8.5

(1) Baseline will be identified during the Reasonable Assurance Analysis Process.
(2) Acute total recoverable metals freshwater targets shown using the site specific conversion factors listed in the Dominguez Channel Toxics TMDL. Factors utilize a hardness of 50 mg/L. Dissolved metals CTR criteria at the equivalent hardness are as follows: Copper (Wet) = 6.99 ug/L; Lead (Wet) = 30.14 ug/L; Zinc (Wet) = 65.13 ug/L.
(3) Ambient pH and temperature measurements will be taken at the time of sampling to determine the applicable receiving water quality target.
(4) A hardness of 50 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 240 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.
(5) The Dominguez Channel Estuary Water Quality Objectives are assuming saltwater conditions.
(6) A hardness of 205 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 570 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.

Table E.25: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Wilmington Drain		
	Date	**Receiving Water Quality Objectives**
Constituents on the 2010 303(d) list, but not Addressed in a TMDL		
Coliform Bacteria		
Conduct Monitoring through CIMP	Ongoing	
Evaluate Monitoring Data	Ongoing	
Meet Water Quality Objectives (Dry)	2032	Single Sample Limits: *E. coli* = 235/100 mL
Meet Water Quality Objectives (Wet)	2040	Single Sample Limits: *E. coli* = 235/100 mL
Metals (Total Copper and Total Lead)		
Conduct Monitoring through CIMP		
Evaluate Monitoring Data to support recommended delisting	3/23/2017	Total Recoverable Metals: Copper (Dry)6 = 41.28 ug/L; Lead (Dry)6 =29.17 ug/L; Copper (Wet)[6] = 27.53 ug/L; Lead (Wet)[6] = 203.61 ug/L
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Total Nitrogen		
Conduct Monitoring through the Machado Lake Nutrient TMDL requirements (LACFCD)		Total Nitrogen = 1.0 mg/L
Sediment-Bond Historical Organics (DDT, Chlordane, Dieldrin, PCBs)		
Conduct monitoring under Phase I of Machado Lake Pesticides and PCBs TMDL	2 year monitoring period beginning 60 days from the date of MRP approval	
Conduct monitoring under Phase II of Machado Lake Pesticides and PCBs TMDL	Conducted following Phase I Monitoring (for 5 year period)	Total PCBs = 0.00017 ug/L; 4,4' DDT = 0.00059 ug/L; 4,4' DDE = 0.00059 ug/L; 4,4' DDD = 0.00084 ug/L; Chlordane = 0.00059 ug/L; Dieldrin = 0.00014 ug/L

(1) Baseline will be identified during the Reasonable Assurance Analysis Process.
(2) Acute total recoverable metals freshwater targets shown using the site specific conversion factors listed in the Dominguez Channel Toxics TMDL. Factors utilize a hardness of 50 mg/L. Dissolved metals CTR criteria at the equivalent hardness are as follows: Copper (Wet) = 6.99 ug/L; Lead (Wet) = 30.14 ug/L; Zinc (Wet) = 65.13 ug/L.
(3) Ambient pH and temperature measurements will be taken at the time of sampling to determine the applicable receiving water quality target.
(4) A hardness of 50 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 240 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.
(5) The Dominguez Channel Estuary Water Quality Objectives are assuming saltwater conditions.
(6) A hardness of 205 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 570 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.

Table E.26: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Los Angeles Harbor Waters		
	Date	**Receiving Water Quality Objectives**
CONSOLIDATED SLIP		
Constituents Addressed in a TMDL		
Metals (Sediment - Cadmium, Chromium, Copper, Lead, Zinc, Mercury), Historical Organics (DDT, PCBs, Chlordane, Dieldrin, Toxaphene), Current Organics (PAHs), Sediment Toxicity, Benthic Community Effects		
Milestone 1	3/23/2026	50% reduction from baseline[1]
Milestone 2	3/23/2029	75% reduction from baseline[1]
Milestone 3	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs	3/23/2032	Receiving Water Targets: Cadmium (ERL) = 1.2 mg/kg; Chromium (ERL) = 81 mg/kg; Copper (ERL) = 34 mg/kg; Lead (ERL) = 46.7 mg/kg; Zinc (ERL) = 150 mg/kg; Mercury (ERL) = 0.15 mg/kg; Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg; Chlordane (ERL) = 0.5 ug/kg; Dieldrin (ERL) =0.02 ug/kg; Toxaphene (ERL) = 0.10 ug/kg; Total PAHs (ERL) = 4,022 ug/kg
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Metals (Sediment - Silver, Arsenic, Nickel)		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets
Meet Water Quality Objectives	3/23/2040	Silver (ERL) = 1.0 mg/kg; Arsenic (ERL) = 8.2 mg/kg; Nickel (ERL) = 20.9 mg/kg
FISH HARBOR		
Constituents Addressed in a TMDL		
Metals (Sediment - Copper, Lead, Zinc, Mercury), Historical Organics (DDT, PCBs, Chlordane), Current Organics (PAHs), Sediment Toxicity		
Complete Implementation of Dominguez Channel Toxics TMDL Phase I	3/23/2026	50% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase II	3/23/2029	75% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase III	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs	3/23/2032	Receiving Water Targets: Copper (ERL) = 34 mg/kg; Lead (ERL) = 46.7 mg/kg; Zinc (ERL) = 150 mg/kg; Mercury (ERL) = 0.15 mg/kg; Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg; Chlordane (ERL) = 0.5 ug/kg; Total PAHs (ERL) = 4,022 ug/kg
INNER CABRILLO BEACH		
Constituents Addressed in a TMDL		
Indicator Bacteria		
Initial compliance deadline through Los Angeles Harbor Bacteria TMDL for Cabrillo Beach	3/10/2010	Single Sample Limits: Total coliform = 10,000/100 mL; Fecal coliform = 400/100 mL; Enterococcus = 104/100 mL
Time Schedule Order requested	12/24/2012	
Meet Interim number of allowable exceedance days of WQBELs and Receiving Water Limitations for total coliform, fecal coliform, and enterococcus	2/6/2013	Single Sample Summer Dry Weather = 23 days/year; Single Sample Winter Dry Weather = 18 days/year; Geometric Mean Year round = 79

Table E.26: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Los Angeles Harbor Waters		
	Date	**Receiving Water Quality Objectives**
		days/year
Investigate and institute additional non-structural BMPs and simple structural BMPs	7/31/2014	
Assess effectiveness of non-structural BMPs and simple structural BMPs	12/31/2014	
Assess feasibility of diversion of identified storm drains impacting Station CB01 and construct feasible storm drain modifications	12/31/2014	
Continue Monitoring through the CIMP	Ongoing	
Achieve final RWLs for total coliform, fecal coliform, and enterococcus	12/28/2017	Single Sample Limits: Total coliform = 10,000/100 mL; Fecal coliform = 400/100 mL; Enterococcus = 104/100 mL
Historical Organics (DDT, PCBs)		
Complete Implementation of Dominguez Channel Toxics TMDL Phase I	3/23/2026	50% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase II	3/23/2029	75% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase III	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs	3/23/2032	Receiving Water Targets: Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg
CABRILLO MARINA		
Constituents Addressed in a TMDL		
Historical Organics (DDT, PCBs), Current Organics (PAHs)		
Complete Implementation of Dominguez Channel Toxics TMDL Phase I	3/23/2026	50% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase II	3/23/2029	75% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase III	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs	3/23/2032	Receiving Water Targets: Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg; Total PAHs (ERL) = 4,022 ug/kg
LOS ANGELES / LONG BEACH INNER HARBOR		
Constituents Addressed in a TMDL		
Indicator Bacteria		
Expected Compliance through Los Angeles Harbor Bacteria TMDL for Main Ship Channel	3/10/2010	Single Sample Limits: Total coliform = 10,000/100 mL; Fecal coliform = 400/100 mL; Enterococcus = 104/100 mL
Conduct Monitoring through the CIMP	Ongoing	
Metals (Sediment - Copper, Zinc), Historical Organics (DDT, PCBs), Current Organics (PAHs), Benthic Community Effects, Sediment Toxicity		
Complete Implementation of Dominguez Channel Toxics TMDL Phase I	3/23/2026	50% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase II	3/23/2029	75% reduction from baseline[1]
Complete Implementation of Dominguez Channel Toxics TMDL Phase III	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs	3/23/2032	Receiving Water Targets: Copper (ERL) = 34 mg/kg; Zinc (ERL) = 150 mg/kg; Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg; Total PAHs (ERL) = 4,022 ug/kg
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Metals (Total Copper, Total Silver)		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline

Table E.26: Dominguez Channel Watershed Management Area Compliance Schedule – Milestone: Los Angeles Harbor Waters		
	Date	**Receiving Water Quality Objectives**
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets
Meet Water Quality Objectives	3/23/2040	Total Recoverable Copper (Wet) = 5.8 ug/L; Dissolved Copper (Dry) = 3.1 ug/L; Total Recoverable Silver = 2.24 ug/L
LOS ANGELES / LONG BEACH OUTER HARBOR		
Constituents Addressed in a TMDL		
Historical Organics (DDT, PCBs, Sediment Toxicity)		
Milestone 1	3/23/2026	50% reduction from baseline[1]
Milestone 2	3/23/2029	75% reduction from baseline[1]
Milestone 3	3/23/2032	Attain Receiving Water Targets
Meet Final WLAs and LAs	3/23/2032	Receiving Water Targets: Total DDT (ERL) = 1.58 ug/kg; Total PCBs (ERL) = 22.7 ug/kg
Constituents Exceeding Water Quality Objectives, but not on the 2010 303(d) List		
Metals (Sediment - Cadmium, Copper, Nickel, Mercury; Dissolved - Copper, Silver)		
Review progress based on implementation of BMPs	3/23/2032	Anticipated significant reduction from baseline
Complete BMPs to achieve receiving water targets.	3/23/2040	Attain Receiving Water Targets
Meet Water Quality Objectives	3/23/2040	Cadmium (ERL) = 1.2 mg/kg; Copper (ERL) = 34 mg/kg; Nickel (ERL) = 20.9 mg/kg; Mercury (ERL) = 0.15 mg/kg; Copper (Wet) = 4.8 ug/L; Copper (Dry) = 3.1 ug/L; Silver = 1.9 ug/L

(1) Baseline will be identified during the Reasonable Assurance Analysis Process.
(2) Acute total recoverable metals freshwater targets shown using the site specific conversion factors listed in the Dominguez Channel Toxics TMDL. Factors utilize a hardness of 50 mg/L. Dissolved metals CTR criteria at the equivalent hardness are as follows: Copper (Wet) = 6.99 ug/L; Lead (Wet) = 30.14 ug/L; Zinc (Wet) = 65.13 ug/L.
(3) Ambient pH and temperature measurements will be taken at the time of sampling to determine the applicable receiving water quality target.
(4) A hardness of 50 mg/L was assumed for wet weather hardness-dependent metals and a hardness of 240 mg/L was assumed for dry weather hardness dependent metals. Site-Specific conversion factors were not available.
(5) The Dominguez Channel Estuary Water Quality Objectives are assuming saltwater conditions.

PAGE INTENTIONALLY LEFT BLANK

Attachment F

RAA Modeling

PAGE INTENTIONALLY LEFT BLANK

MEMORANDUM

Contents

1. Introduction

In response to the Los Angeles County National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit (Permit), Order No. R4-2012-0175 the Dominguez Channel Watershed Management Group (DC WMG) is in the process of developing an Enhanced Watershed Management Program (EWMP). As specified in Part VI.C.1.g of the MS4 Permit, an EWMP comprehensively evaluates the opportunities that, wherever feasible, retain all non-stormwater, such as overflow irrigation, and stormwater runoff from the 85th percentile, 24-hour storm event from the tributary watershed. These projects are also referred to as regional EWMP projects. Areas that drain to regional EWMP projects are considered in compliance with all water quality standards. For the remaining areas a Reasonable Assurance Analysis (RAA) must be conducted to demonstrate that selected Best Management Practices (BMPs) provide reasonable assurance that applicable WQBELs and RWLs will be attained.

This Technical Memorandum (TM) explains the methodology of the RAA for the DC WMG EWMP. The RAA developed for the DC WMG is in conformance with the RAA Guidelines developed by the Regional Water Quality Control Board (RWQCB or Regional Board).

Additionally, this TM discusses in detail the calibration process associated with stormwater flow through the system and the corresponding water quality. The purpose of the RAA is to demonstrate that the implementation scenarios proposed in the EWMP will meet the applicable Water Quality Based Effluent Limitation (WQBELs) and Receiving Water Limitations (RWLs) within the DC WMG. This is done by demonstrating load reductions for the 85th percentile, 24-hour storm and the 90th percentile load. Typically, the 85th percentile, 24-hour storm event volume is addressed by regional projects. The 90th percentile load criteria was used to propose control measures, as addressing the 90th percentile load

provides reasonable assurance with meeting water quality objectives. Capture of the 90th percentile, 24-hour load and volume provides a high threshold for constituent loads to escape the BMPs. More detail is provided in the EWMP on selection of the appropriate storm/load for this criterion and the expected load reductions and constituent concentrations after the BMPs associated with this criterion are implemented. In many cases, the 90th percentile loads with similar volumes to the 85th percentile, 24-hour storm volume provide a double assurance that loads will meet MS4 Permit requirements and meet the Water Quality Objectives (WQOs).

2. Modeling Software Used for RAA

The RAA for the DC WMG was conducted using the BMP modeling system Watershed Management Modeling System (WMMS). WMMS is a regional model developed by the Los Angeles County Flood Control District (LACFCD) and is comprised of two main components: Load Simulation Program in C++ (LSPC) and the Regional Optimization system. The Regional Optimization system was not used while conducting the DC WMG RAA. LSPC was developed from the Hydrologic Simulation Program - FORTRAN (HSPF) used for simulating hydrology, sediment, and general water quality. The model generates runoff based on rainfall, snow, and groundwater inputs, determines pollutant loading and transport based on point source data, aerial deposition, and non-point source loadings, determines chemical and transport interactions within stream reaches, and can provide water quality data based on the interactions for specified locations. WMMS and the LSPC modeling component are included in the list of approved watershed models for conducting a RAA outlined in Part VI.C.5.b.iv.(5) of the MS4 Permit.

Additional information regarding WMMS and LSPCS is available from the Los Angeles County Department of Public Works (LACDPW) (2008, 2010a, 2010b, 2010c, 2011, 2013). Information pertaining to LSPC is available from the United States Environmental Protection Agency (USEPA, 2003). The documents can be found on the WMMS homepage (http://dpw.lacounty.gov/wmd/wmms/) where it can also be downloaded.

3. Dry-Weather Modeling Approach

The approach to the dry-weather portion of the DC WMG RAA is to evaluate the volume and sediment reduction potential provided by proposed regional and distributed BMP projects to determine how much of the dry-weather flows would be addressed. This approach does not include the use of a model due to data set limitations and significant spatial variation throughout the DC WMG for dry-weather flows. Estimated daily yields are derived from local dry-weather flow monitoring data collected at Mass Emissions site S28 and is summarized in **Table 3-1**. The monitoring data collected at S28 was analyzed to determine an average discharge per acre ratio per month for the period of analysis (2002-2012). The resulting monthly averages were then applied to the DC WMG area to identify the volume per day generated within the group area. The flows presented in the table represent existing conditions and do not take into account the control measures proposed in the EWMP.

Table 3-1 Average Monthly Dry-Weather Flow in DC WMG

Month	Average Flow (cfs)/Acre	DC WMG Volume per Day (acre-feet/day)
January	0.00026	19.41
February	0.00032	23.89
March	0.00033	24.64
April	0.00035	26.13
May	0.00025	18.66

June	0.00041	30.61
July	0.00030	22.4
August	0.00024	17.92
September	0.00022	16.42
October	0.00027	20.16
November	0.00020	14.93
December	0.00022	16.42

Flows captured through regional BMP implementation were subtracted from the total assumed non-stormwater flows (presented in the table) to quantify pollutant load reductions. The BMPs used for this analysis are discussed further in Section 4 of the EWMP. Based on the volume of storage provided by the proposed regional and distributed BMPs, the dry-weather flows will be eliminated, as encouraged by the MS4 Permit. The volume provided by the proposed control measures is significantly greater than the volume of dry-weather runoff produced within the DC WMG. The critical dry-weather conditions were not assessed, as the control measures proposed in the EWMP have adequate capacity to capture the dry-weather runoff.

Control measures specifically for dry-weather are not proposed in the DC WMG EWMP. An analysis was performed to assess how many low flow diversions would be required to address dry-weather flows and it was determined that over 100 would be necessary. By the time the wet-weather controls are implemented, the dry-weather diversions would not be used, as flows would be captured at the proposed BMPs. For this reason, dry-weather will be addressed by the wet-weather controls.

4. Wet-Weather Modeling Approach

The wet-weather RAA approach allowed for estimating the level of BMP implementation needed to meet applicable WQBELs and RWLs. This approach incorporated pollutant prioritization and structural BMP implementation scenarios, while considering stakeholder input through a transparent process.

The wet-weather RAA approach involved the estimation of both the existing pollutant loads (baseline) and target load reductions as a percentage of the total load. WMMS provided optimized load reduction targets, recommended distributed BMPs, and cost estimates, however, limited guidance on BMP placement is provided and the model does not optimize bacteria or trash Total Maximum Daily Load (TMDL). Trash is only a concern in the Machado Lake and Wilmington Drain Watersheds. Trash is assumed to be addressed through the installation of full capture devices as required by the Machado Lake Trash TMDL. Bacteria was modeled, however, it is not the limiting pollutant based on high flow suspension and allowable exceedance days.

Once the baseline conditions are estimated, watershed control measures were selected and modeled to be implemented over time to meet applicable WQBELs and RWLs. The selected control measures, such as regional BMP projects, distributed BMPs (green streets), and Minimum Control Measures (MCMs), were then modeled at various stages within the implementation time frame to estimate the quantity, location, and timing of BMP implementation to meet the interim and final WLAs applicable to the DC WMG. Targets for the RAA are based on interim time steps throughout the MS4 Permit time frame, which are defined by WQBELs and RWLS along with their corresponding schedules. The milestones used for the DC WMG RAA are outlined as follows:

- March 10, 2010 (Final WLAs Los Angeles Inner Harbor Bacteria TMDL)
- March 6, 2016 (Final WLAs Machado Lake Trash TMDL)
- September 11, 2018 (WLAs Machado Lake Nutrients TMDL)

- September 30, 2019 (Wet-Weather WLAs Machado Lake Pesticides and PCBs TMDL)
- September 30, 2026 (Internal Date for Construction Schedule Evaluation – 50 percent reduction in metals)
- September 30, 2029 (Internal Date for Construction Schedule Evaluation – 75 percent reduction in metals)
- March 23, 2032 (Wet-Weather Freshwater WQBEL Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL)

Demonstrating compliance through the RAA is an iterative process. The model includes different BMP scenarios at the compliance time steps and different approaches to BMP implementation are modeled to determine the most cost effective approach. The iterative process involves model calibration, model validation, baseline simulation, determination of the limiting pollutant, evaluation of required volume and load reductions, and control measure implementation, all of which are further detailed in this TM and in the DC WMG EWMP.

5. LSPC Calibration

Calibration refers to the adjustment or fine-tuning of modeling parameters to reproduce observations on the basis of field monitoring data. The goal of the LSPC model calibration was to obtain physically realistic model predictions by selecting parameter values that reflect the unique characteristics of the DC WMA. Spatial and temporal aspects were evaluated through the calibration process. Model calibration and validation were necessary to demonstrate the calibrated model properly assessed all the model parameters and modeling conditions that can affect model results for hydrologic and water quality analyses. The Regional Board provided acceptable model calibration criteria in Table 3.0 of the RAA Guidelines. The hydrology (flow) from the DC WMG was calibrated along with the water quality parameters described in the following subsections.

5.1 Hydrologic Calibration

The hydrologic calibration effort resulted in parameter values that produced the best overall agreement between simulated and observed stream flow volumes and timing throughout the calibration period. The time interval used for the calibration period began October 1, 2004 and ended September 30, 2012 due to the limited water quality data from the closest Mass Emission Station (MES). Rainfall data was taken from three LACFCD recording rain gauges and one National Climatic Data Center (NCDC) rain gauge near the area upstream of the mass emission station that was used for calibration. Three other NCDC weather stations were used to provide both rainfall and air temperature. Air temperature is used to derive pan evapotranspiration (PET) values for use in evaluating the impact of climate on soil moisture and plant uptake conditions in the model. Calibration included a time series comparison of daily and monthly values. Composite comparisons were also made to evaluate average monthly stream flow values over the period of record.

The basis for distributing hydrologic and water quality parameters is provided by the current land use coverage of the entire watershed. Land unit representation should be sensitive to the features of the landscape that most affect hydrology and pollutant transport, including land use (impervious assumptions), soils, and slope. Although most of the DC WMA is comprised of relatively flat terrain, slope factors must also be taken into consideration. The combination of land use, soil hydrologic group, and slope were used to define the 21 hydrologic response units (HRUs) used in LSPC. Nine of the HRUs are considered impervious for which most of the hydrologic parameters are not relevant, and the other 12 are predominately pervious types such as vacant or vegetated open space. Mixed land use areas were divided into impervious area and pervious areas based on acceptable regional values. For example, a commercial development is considered to be 90 percent impervious. The Commercial HRU is 100 percent

impervious, but the other 10 percent of a commercial parcel is added to the "Urban_Grass_Irrigated" HRU.

As part of the iterative calibration approach, default parameter values were modified and input to the LSPC model. The results were compared with observed values obtained from MES S28. MES S28 was used for both the hydrology and water quality calibrations and is located at the Artesia Boulevard Bridge, approximately 1.3 miles upstream from the transitions between Dominguez Channel and the Dominguez Channel Estuary. Statistical analysis was conducted to measure the difference between observed and modeled values. The analysis applied a linear bias as the general error percentage and added root mean square and coefficient of correlation evaluations to examine statistical variations. **Figure 5-1** illustrates the linear bias relationship from the statistical analysis. The objective was to achieve model results within the defined range specified in Table 3.0 of the RAA Guidelines.

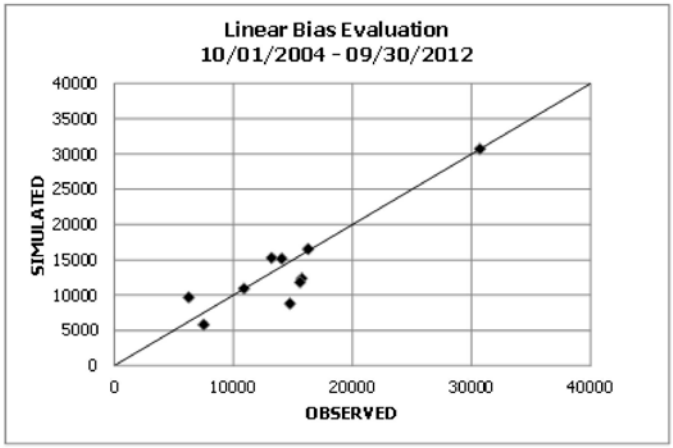


Figure 5-1 Linear Bias Evaluation for Flow Calibration at MES S28

5.1.1 Water Budget Parameter Calibration

The model set-up for the DC WMG RAA has 24 individual modeling parameters for the water budget (PWAT), three of which were selected as calibration parameters. **Table 5-1** summarizes the calibration parameters including their default values (def) and calibration values (cal) used in the model runs associated. The calibrated values are italicized in the table indicating values that differ from the default values. The table also identifies whether each HRU is pervious (p) or impervious (imp). The definitions for the calibrated parameters are as follows:

- lzsn – lower zone nominal storage (inches)
- deepfr – fraction of groundwater inflow which will enter deep (inactive) groundwater and be lost
- cepsc – interception storage capacity (inches)

Table 5-1 LSPC Calibrated Water Budget Parameter Values

LUID	HRU	p/imp	lzsn		deepfr		cepsc	
			def	cal	def	cal	def	cal
1	HD_SF_Residential	imp	0	0	0.0	0.00	0.05	*0.2*
2	LD_SF_Res_Moderate	imp	0	0	0.0	0.00	0.05	*0.2*
3	LD_SF_Res_Steep	imp	0	0	0.0	0.00	0.05	*0.2*
4	MF_Res	imp	0	0	0.0	0.00	0.05	*0.2*
5	Commercial	imp	0	0	0.0	0.00	0.05	*0.2*

Table 5-1 LSPC Calibrated Water Budget Parameter Values

LUID	HRU	p/imp	lzsn		deepfr		cepsc	
			def	cal	def	cal	def	cal
6	Institutional	imp	0	0	0.0	0.00	0.05	*0.2*
7	Industrial	imp	0	0	0.0	0.00	0.05	*0.2*
8	Transportation	imp	0	0	0.0	0.00	0.05	*0.2*
9	Secondary_Roads	imp	0	0	0.0	0.00	0.05	*0.2*
10	Urban_Grass_Irrigated	p	7	*15*	0.5	*0.95*	0.10	*0.2*
11	Urban_Grass_NonIrrigated	p	7	*15*	0.5	*0.95*	0.10	*0.2*
12	Agriculture_Moderate_B	p	7	*15*	0.5	*0.95*	0.10	*0.2*
13	Agriculture_Moderate_D	p	7	*15*	0.5	*0.95*	0.10	*0.2*
14	Vacant_Moderate_B	p	7	*15*	0.5	*0.95*	0.15	*0.2*
15	Vacant_Moderate_D	p	7	*15*	0.5	*0.95*	0.15	*0.2*
16	Vacant_Steep_A	p	7	*15*	0.5	*0.95*	0.20	*0.2*
17	Vacant_Steep_B	p	7	*15*	0.5	*0.95*	0.20	*0.2*
18	Vacant_Steep_C	p	7	*15*	0.5	*0.95*	0.20	*0.2*
19	Vacant_Steep_D	p	7	*15*	0.5	*0.95*	0.20	*0.2*
20	Water	p	7	*15*	0.0	*0.95*	0.00	*0.2*
21	Water_Reuse	p	7	*15*	0.5	*0.95*	0.10	*0.2*

HD = High Density, HRU = Hydrologic Response Unit, LD = Low Density, LUID = Land Use Identification, MF = Multi Family, SF = Single Family

Table 3.1 in the RAA Guidelines identifies the acceptable "Range of Initial Values" for the model parameters based on the USEPA Basins Technical Note 6 (EPA BTN #6). The "Range of Initial Values" specified are as follows and the calibrated values used for the DC WMA are within the acceptable range:

- lzsn: 2.0 – 15.0
- deepfr: 0.0 – 0.50
- cepsc: 0.01 – 0.40

The modified lzsn and cepsc values are within the range specified in the RAA Guidelines, while the deepfr parameter is beyond the range specified in EPA BTN #6. The rationale for using a higher fraction of infiltration to deep groundwater is related to the urban setting of the DC WMA and the configuration of the storm drain network. The calibration section of the DC WMA is nearly completely developed with a high fraction of impervious surfaces which prevent a large fraction of water from infiltrating. The drainage system is comprised of streets, storm drains of reinforced concrete or metal pipe, and concrete lined channels, i.e., Dominguez Channel and the tributary lateral channels. The asphalt and concrete lined nature of the system allows virtually no connection between interflow/groundwater and the surface water bodies/receiving waters. This also explains the high value used for the lzsn parameter because there is little opportunity for lower zone water storage to migrate via interflow to receiving waters. The higher the lzsn value, the lower the probability that this water will flow to receiving waters. The water either runs off during the storm or infiltrates and is lost to evapotranspiration or groundwater aquifers without flowing to water bodies.

As a confirmation that model parameters modified in the calibration effort provide output results that are in agreement with observed values within the specified range noted in the RAA Guidelines, a statistical analysis to determine linear bias was performed to find the percent difference between simulated and

observed values. Linear bias is a measure of the difference in the sum of all simulated output results and the sum of all observed values divided by the sum of all simulated output results.

$$Linear\ Bias\ (percent) = \frac{\sum LSPC\ Output - \sum Recorded\ Values}{\sum Recorded\ Values}\ x\ 100$$

Table 3.0 of the RAA Guidelines states that percent differences between 15 and 25 percent are considered fair, differences between ten and 15 percent are considered good, and differences less than ten percent are considered very good for the hydrology/flow model parameters. **Table 5-2** presents the results from the statistical analysis performed based on the calibrated and recorded values for the water budget parameters. The daily and monthly differences are less than ten percent which demonstrates a very good correlation between observed flow rates and modeled flow rates.

Table 5-2 Water Budget Parameter Statistics

Parameter	Root Mean Square (RMSE)	Linear Bias	Coefficient of Correlation (C.C.)
Water Budget - Daily	83.33	0.012	0.35
Water Budget - Monthly	12.26	0.014	0.89

5.2 Water Quality Calibration

The LACFCD operates the Los Angeles County Monitoring Program to provide technical data and information to support effective watershed stormwater quality management programs in Los Angeles County which includes MES S28 as previously mentioned. MES are equipped with automated water samplers and stage recorders that collect both composite and grab samples during storm events. The subwatershed tributary to MES S28 is comprised of 42 subbasins within the greater DC WMA. Although MES S28 is located in the upper half of the DC WMA, the subwatershed land use and hydrological characteristics are representative of the entire DC WMA with regard to water quality constituent composition and concentrations. As more water quality data is collected through the Coordinated Integrated Monitoring Program (CIMP), validation and fine tuning of the water quality parameters may be possible. The data collected at MES S28 is collected as an event mean concentration (EMC), which is done by either collecting one sample throughout the event or combining multiple samples collected throughout time into a combined sample for lab analysis. Event pollutographs have not been collected at MES S28, where the collected (observed) sample concentrations are averaged over the length of the rain event or a single grab sample is collected. The model is run on a daily basis and the simulated daily values are averaged over the time frame of the observed rain event. For example, an observed rain event may last two to three days and the observed EMC is derived from the number of samples collected (at the particular location) and mixed together and averaged over the length of event. The simulated results are taken from the same time period and averaged to derive a simulated EMC.

The model used for the DC WMG RAA was calibrated based on the following water quality calibration parameters. Each is further discussed in the following subsections:

- Total Suspended Solids (TSS)
- Metal parameters – copper, lead, and zinc
- Fecal coliform
- Total nitrogen and total phosphorus

Fecal coliform was used rather than E. coli because there are modeling standards established for fecal coliform, but not E. coli. E. coli has a freshwater standard that is applicable to the Dominguez Channel

above the Estuary, but the marine water found downstream of Dominguez Channel in the Estuary and Harbor does not have an E. coli standard. However, in most cases fecal coliform is almost completely E. coli. Historical organics, such as PCBs and DDT, are often related to sediments. Relationships between TSS and historical organics were evaluated to determine if TSS could be used as a surrogate. There were too many non-detects in the available water quality data to establish any type of relationship. By addressing TSS, it is assumed that other historical organics will also be addressed.

Dry-weather flows were also calibrated in the initial phases of model calibration. Empirical data was incorporated into the model as point source to simulate dry-weather conditions. Current dry-weather flows are assumed to occur until the proposed wet-weather control measures are implemented, which will capture those flows as explained in **Section 3**. Once it was determined that wet-weather control measures would address dry-weather runoff, it was no longer considered a major component of the modeling.

5.2.1 Total Suspended Sediment Parameter Calibration

The model set-up for the DC WMG RAA has 18 individual modeling parameters for the sediment group (SED), five of which were selected as calibration parameters. **Table 5-3** summarizes the calibration parameters including their default values (def) and calibration values (cal) used in the model runs. The calibrated values are italicized in the table indicating values that differ from the default values. The definitions for the calibrated parameters are as follows:

- kser – coefficient in the detached sediment washoff equation
- accsdp – rate at which solids accumulate on the land surface
- sed_suro – constant surface trace sediment concentration
- sed_ifwo – constant interflow trace sediment concentration
- sed_agwo – constant groundwater trace sediment concentration

Table 5-3 LSPC Calibrated Sediment Parameters

LUID	kser		accsdp		sed_suro		sed_ifwo		sed_agwo	
	def	cal	def	cal	def	cal	def	cal	def	cal
1	0.035	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
2	0.030	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
3	0.030	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
4	0.035	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
5	0.070	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
6	0.065	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
7	0.065	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
8	0.085	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
9	0.085	*1*	0.001	*0.0007*	0	*75*	0	*75*	0	*75*
10	0.001	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
11	0.100	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
12	0.100	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
13	0.100	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
14	0.100	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
15	0.100	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*

Table 5-3 LSPC Calibrated Sediment Parameters

LUID	kser		accsdp		sed_suro		sed_ifwo		sed_agwo	
	def	cal	def	cal	def	cal	def	cal	def	cal
16	0.150	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
17	0.150	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
18	0.150	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
19	0.150	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
20	0.000	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*
21	0.100	*1*	0.000	0.0000	0	*75*	0	*75*	0	*75*

LUID = Land Use Identification (defined in **Table 5-1**)

Sediment concentration parameters (sed_suro, sed_ifwo, sed_agwo) provide the model with the capability to match baseflow observations. These variables have no range specified in the RAA Guidelines. The coefficient for detachment, kser, is a primary parameter in calibrating sediment loading rates which is a measure of the build-up of surface sediment between rain events. This is a calibration parameter with a typical calibration range between 0.5 and 5. The rate of solids accumulation, accsdp, is the primary source of solids from impervious areas with a range on impervious surfaces from 0.0 to 2.

Table 3.0 of the RAA Guidelines states that percent differences between 30 and 45 percent are considered fair, differences between 20 and 30 percent are considered good, and differences less than 20 percent are considered very good for sediment model parameters. **Table 5-4** and **Figure 5-2** summarize the statistical data associated with the calibrated model (SIM) as compared to the recorded values (OBS) for TSS. The RAA Guidelines specify that the model calibration criteria for the simulated results for the sediment falls into the very good ranking with a percent difference less than twenty percent.

Table 5-4 Sediment Parameter Statistics			
Parameter	**Root Mean Square (RMSE)**	**Linear Bias**	**Coefficient of Correlation (C.C.)**
TSS	159.25	-0.0016	0.49

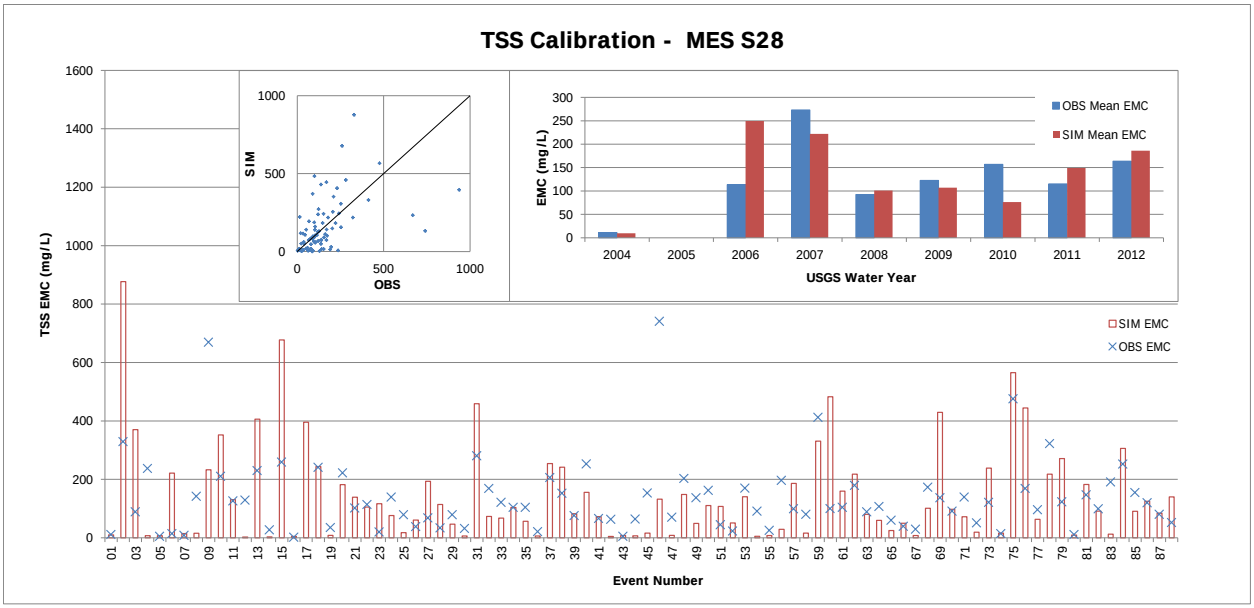


Figure 5-2 Sediment Calibration Statistics at MES S28

5.2.2 Metal Parameter Calibration

The LSPC model for general water quality parameters (GQUAL) uses three priority metal pollutants, copper, lead, and zinc. This section discusses the parameter calibration for the three metal pollutants while the following subsections cover the remaining general water quality parameters. The model set-up for the DC WMG RAA has 12 individual modeling parameters for each of the general water quality parameters, one of which was selected as a calibration parameter. **Table 5-3** summarizes the calibration parameters including their default values (def) and calibration values (cal) used in the model runs. The calibrated values are italicized in the table indicating values that differ than the default values. The definitions for the calibrated parameters are as follows:

- potfw – washoff potency factor

Table 5-5 LSPC Calibrated Metals Parameters						
LUID	**Copper**		**Lead**		**Zinc**	
	potfw		**potfw**		**potfw**	
	def	**cal**	**def**	**cal**	**def**	**cal**
1	0.800	*1.072*	0.800	*0.313*	7.50	*4.484*
2	0.600	*0.804*	0.200	*0.078*	1.20	*0.717*
3	0.600	*0.804*	0.200	*0.078*	1.20	*0.717*
4	0.800	*1.072*	0.800	*0.313*	7.50	*4.484*
5	1.140	*1.528*	1.000	*0.391*	10.20	*6.098*

Table 5-5 LSPC Calibrated Metals Parameters

LUID	Copper		Lead		Zinc	
	potfw		potfw		potfw	
	def	cal	def	cal	def	cal
6	0.400	*0.536*	0.180	*0.070*	5.08	*3.037*
7	0.400	*0.536*	0.180	*0.070*	5.08	*3.037*
8	0.800	*1.072*	0.800	*0.313*	7.50	*4.484*
9	0.800	*1.072*	0.800	*0.313*	7.50	*4.484*
10	0.600	*0.804*	0.200	*0.078*	1.20	*0.717*
11	0.600	*0.804*	0.200	*0.078*	1.20	*0.717*
12	0.300	*0.402*	0.100	*0.039*	2.50	*1.495*
13	0.300	*0.402*	0.100	*0.039*	2.50	*1.495*
14	0.012	*0.016*	0.002	*0.001*	0.05	*0.030*
15	0.012	*0.016*	0.002	*0.001*	0.05	*0.030*
16	0.012	*0.016*	0.002	*0.001*	0.05	*0.030*
17	0.012	*0.016*	0.002	*0.001*	0.05	*0.030*
18	0.012	*0.016*	0.002	*0.001*	0.05	*0.030*
19	0.012	*0.016*	0.002	*0.001*	0.05	*0.030*
20	0.000	0.000	0.000	0.000	0.00	0.000
21	0.600	*0.804*	0.200	*0.078*	1.20	*0.717*

LUID = Land Use Identification (defined in **Table 5-1**)

The default value of potfw for each land use was modified by assuming a linear build-up/washoff relationship of the metal of interest and adjusting the input parameter accordingly to achieve the best agreement of simulated and observed values. **Table 5-6**, **Figure 5-3**, **Figure 5-4**, and **Figure 5-5** summarize the statistical data associated with the calibrated model (SIM) as compared to the recorded values (OBS) for copper, lead, and zinc. The RAA Guidelines do not specify the modal calibration criteria for metals, but it can be assumed the calibration would fall into very good as the percent differences are less than ten percent.

Table 5-6 Metal Parameter Statistics

Parameter	Root Mean Square (RMSE)	Linear Bias	Coefficient of Correlation (C.C.)
Copper	93.76	8.32E-05	0.54
Lead	23.02	1E-03	0.61
Zinc	360.40	-6E-06	0.62

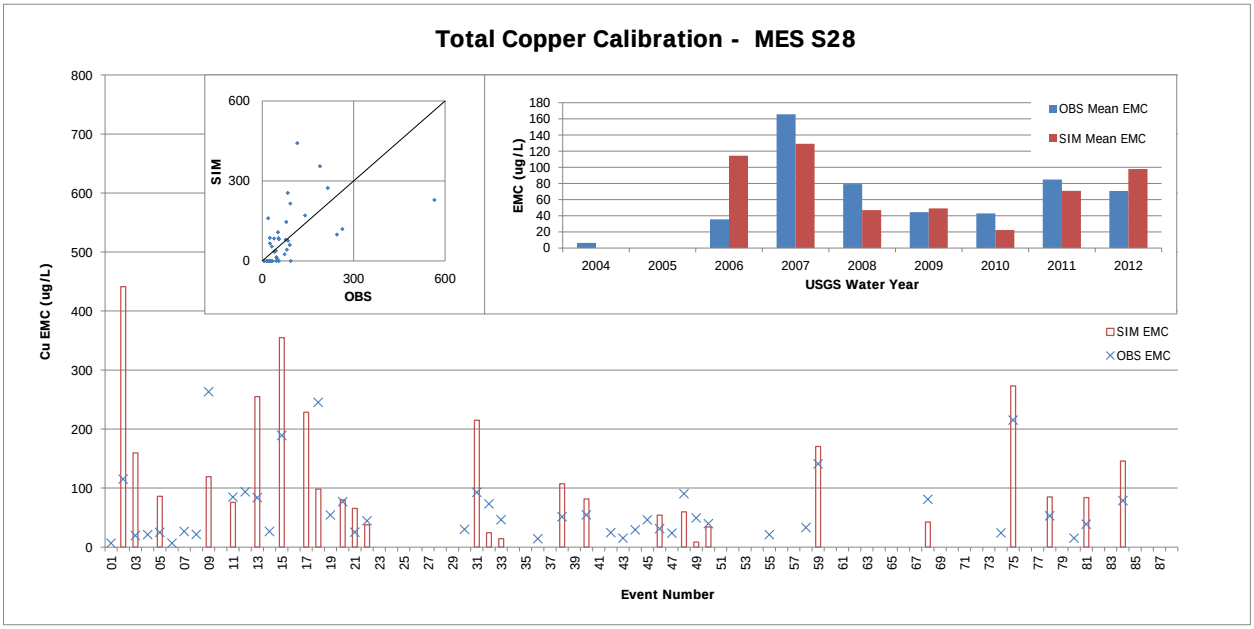


Figure 5-3 Copper Calibration Statistics at MES S28

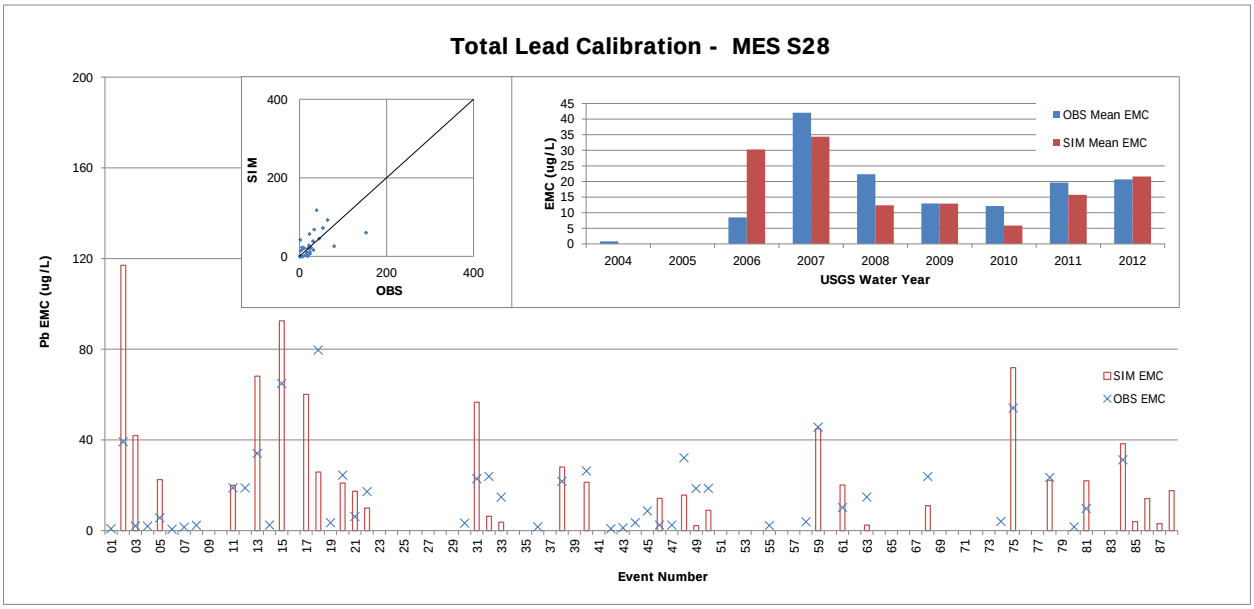


Figure 5-4 Lead Calibration Statistics at MES S28

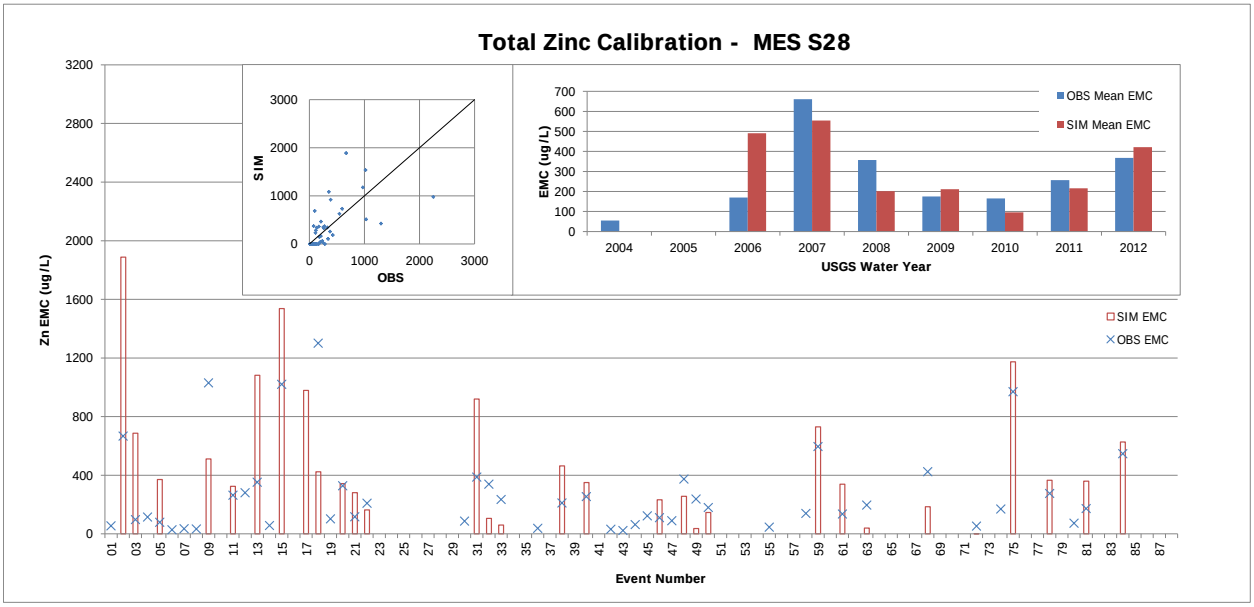


Figure 5-5 Zinc Calibration Statistics at MES S28

5.2.3 Fecal Coliform Parameter Calibration

The LSPC model for general water quality parameter (GQUAL) uses total fecal coliform as the indicator bacteria. Although the indicator used in more recent tests is fecal coliform, the historic data was collected using total fecal coliform as the bacteria sample criteria. The model set-up for the DC WMG RAA has 12 individual modeling parameters for each of the general water quality parameters, two of which were selected as calibration parameters. **Table 5-7** summarizes the calibration parameters including their default values (def) and calibration values (cal) used in the model runs. The calibrated values are italicized in the table. The parameter definitions are as follows:

- soqc – surface outflow
- ioqc – inflow concentrations

Table 5-7 LSPC Calibrated Fecal Coliform Parameter Values

LUID	soqc		ioqc	
	def	cal	def	cal
1	6,600	*1,550,000*	6,600	*1,550,000*
2	19,000	*1,550,000*	19,000	*1,550,000.*
3	19,000	*1,550,000*	19,000	*1,550,000*
4	6,600	*1,700,000*	6,600	*1,700,000*
5	40,000	*1,740,000*	40,000	*1,740,000*
6	2,300	*173,000*	2,300	*173,000*
7	2,300	*911,000*	2,300	*911,000*
8	1,000	*419,000*	1,000	*419,000*
9	1,000	*419,000*	1,000	*419,000*
10	3,500	*6,310*	3,500	*6,310*
11	3,500	*6,310*	3,500	*6,310*

Table 5-7 LSPC Calibrated Fecal Coliform Parameter Values				
LUID	soqc		ioqc	
	def	cal	def	cal
12	91,000	*60,300*	91,000	*60,300*
13	91,000	*60,300*	91,000	*60,300*
14	1,000	*6,310*	1,000	*6,310*
15	1,000	*6,310*	1,000	*6,310*
16	1,000	*6,310*	1,000	*6,310*
17	1,000	*6,310*	1,000	*6,310*
18	1,000	*6,310*	1,000	*6,310*
19	1,000	*6,310*	1,000	*6,310*
20	0	0	0	0
21	3,500	*3,500*	3,500	*3,500*

LUID = Land Use Identification (defined in **Table 5-1**)

The default values for both soqc and ioqc are identical for each LUID and were calibrated with identical values. **Table 5-8** and **Figure 5-6** summarize the statistical data associated with the calibrated model (SIM) as compared to the recorded values (OBS) for fecal coliform. The RAA Guidelines do not specify the modal calibration criteria for bacteria, but it can be assumed the calibration would fall into very good as the percent difference is less than ten percent.

Table 5-8 Fecal Coliform Parameter Statistics			
Parameter	Root Mean Square (RMSE)	Linear Bias	Coefficient of Correlation (C.C.)
Fecal Coliform	595,054	-0.04	0.49

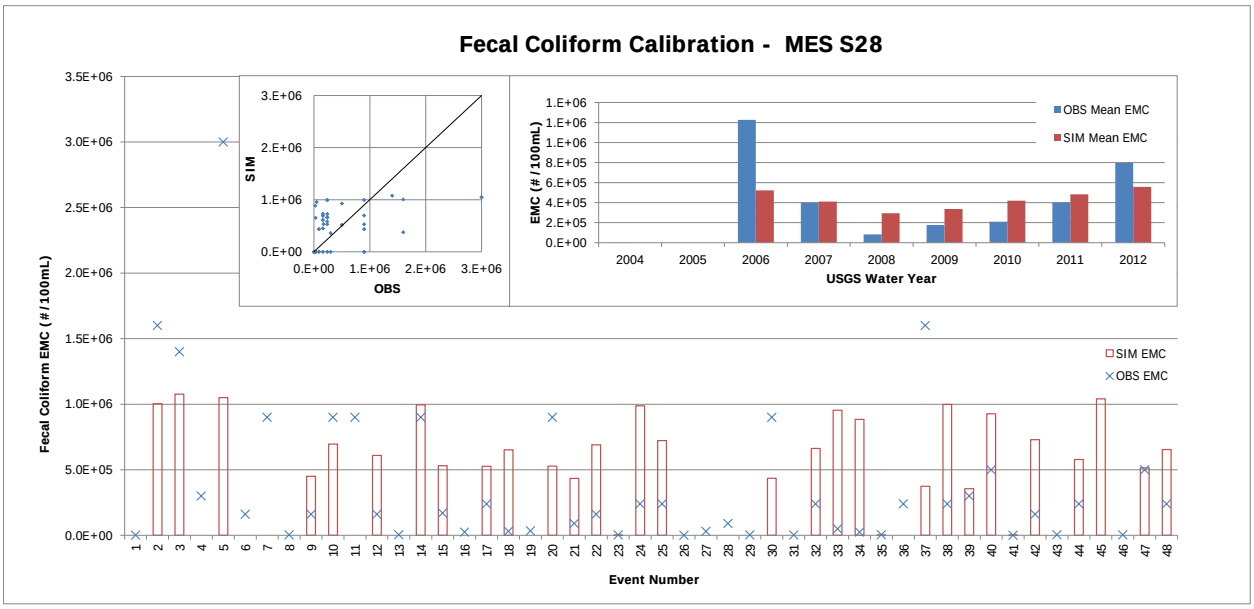


Figure 5-6 Fecal Coliform Calibration Statistics at MES S28

5.2.4 Total Nitrogen and Total Phosphorus Parameter Calibration

The LSPC model for general water quality parameter (GQUAL) uses total nitrogen and total phosphorous to assess the nutrient related impairments. The model set-up for the DC WMG RAA has 12 individual modeling parameters for each of the general water quality parameters, four of which were selected as calibration parameters. **Table 5-9** and **Table 5-10** summarize the calibration parameters including their default values (def) and calibration values (cal) used in the model runs. The calibrated values are italicized in the table. The parameter definitions are as follows:

- potfw – washoff potency factor
- potfs – scour potency factor
- soqc – surface outflow
- ioqc – inflow concentrations

Table 5-9 LSPC Calibrated Total Nitrogen Parameters

LUID	potfw		potfs		soqc		ioqc	
	def	cal	def	cal	def	cal	def	cal
1	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
2	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
3	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
4	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
5	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
6	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
7	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
8	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
9	0	*72.9725*	0	*0.1292*	2	*0*	2	*0*
10	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
11	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
12	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
13	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
14	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
15	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
16	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
17	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
18	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
19	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
20	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*
21	0	*21.7046*	0	*0.1292*	2	*0*	2	*0*

LUID = Land Use Identification (defined in **Table 5-1**)

Table 5-10 LSPC Calibrated Total Phosphorus Parameters

LUID	potfw		potfs		soqc		ioqc	
	def	cal	def	cal	def	cal	def	cal
1	0.01	*72.97*	0.01	*0.1291*	1.90	*0.01*	1.90	*0*
2	0.01	*72.97*	0.01	*0.1291*	1.08	*0.01*	1.08	*0*
3	0.01	*72.97*	0.01	*0.1291*	1.08	*0.01*	1.08	*0*
4	0.01	*72.97*	0.01	*0.1291*	1.90	*0.01*	1.90	*0*
5	0.01	*72.97*	0.01	*0.1291*	3.00	*0.01*	3.00	*0*
6	0.01	*72.97*	0.01	*0.1291*	1.26	*0.01*	1.26	*0*
7	0.01	*72.97*	0.01	*0.1291*	1.26	*0.01*	1.26	*0*
8	0.01	*72.97*	0.01	*0.1291*	1.00	*0.01*	1.00	*0*
9	0.01	*72.97*	0.01	*0.1291*	1.00	*0.01*	1.00	*0*
10	0.01	*21.70*	0.01	*0.1291*	1.08	*0.00*	1.08	*0*
11	0.01	*21.70*	0.01	*0.1291*	1.08	*0.00*	1.08	*0*
12	0.01	*21.70*	0.01	*0.1291*	1.76	*0.00*	1.76	*0*
13	0.01	*21.70*	0.01	*0.1291*	1.76	*0.00*	1.76	*0*
14	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*
15	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*
16	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*
17	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*
18	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*
19	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*
20	0.01	*21.70*	0.01	*0.1291*	0.00	0.00	0.00	0
21	0.01	*21.70*	0.01	*0.1291*	1.00	*0.00*	1.00	*0*

LUID = Land Use Identification (defined in **Table 5-1**)

The surface outflow quality concentrations for total nitrogen and total phosphorus were modified for impervious surfaces and were kept to zero for the interflow parameters. **Table 5-11**, **Figure 5-7**, and **Figure 5-8** summarize the statistical data associated with the calibrated model (SIM) as compared to the recorded values (OBS) for total nitrogen and total phosphorus. The RAA Guidelines do not specify the modal calibration criteria for these pollutants, but it can be assumed the calibration would rank very good for total nitrogen as the percent differences are less than ten percent and very good for total phosphorus as the percent differences are less than ten.

Table 5-11 Total Nitrogen and Total Phosphorus Parameter Statistics

Parameter	Root Mean Square (RMSE)	Linear Bias	Coefficient of Correlation (C.C.)
Total Nitrogen	6.06	0.03	0.28
Total Phosphorus	0.57	-0.02	0.24

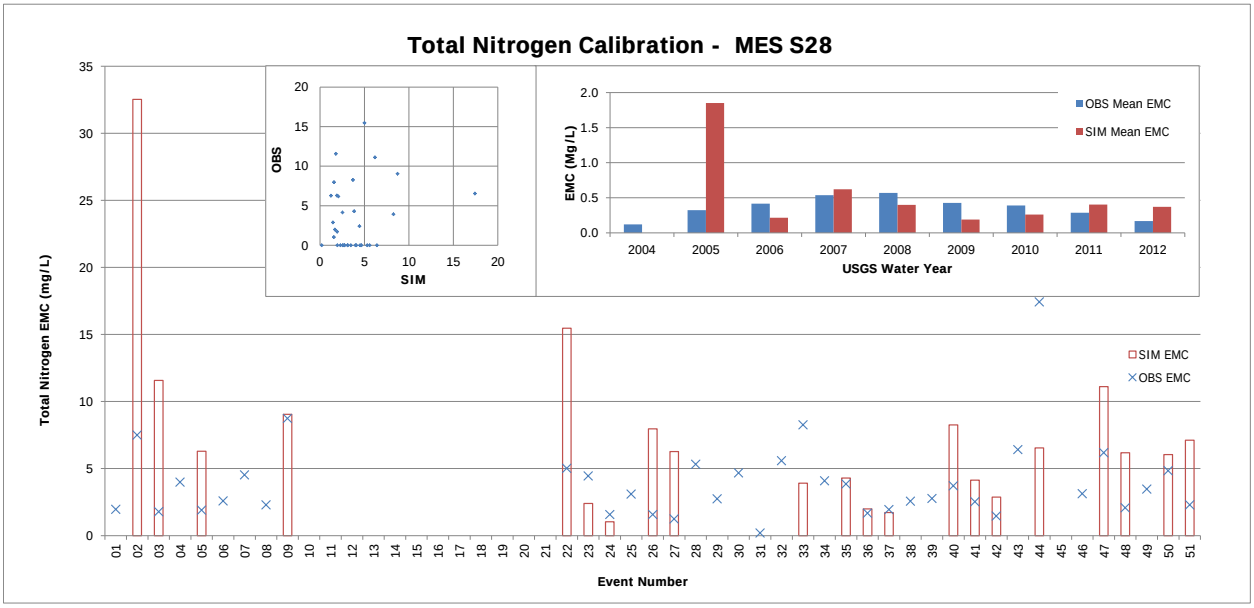


Figure 5-7 Total Nitrogen Calibration Statistics at MES S28

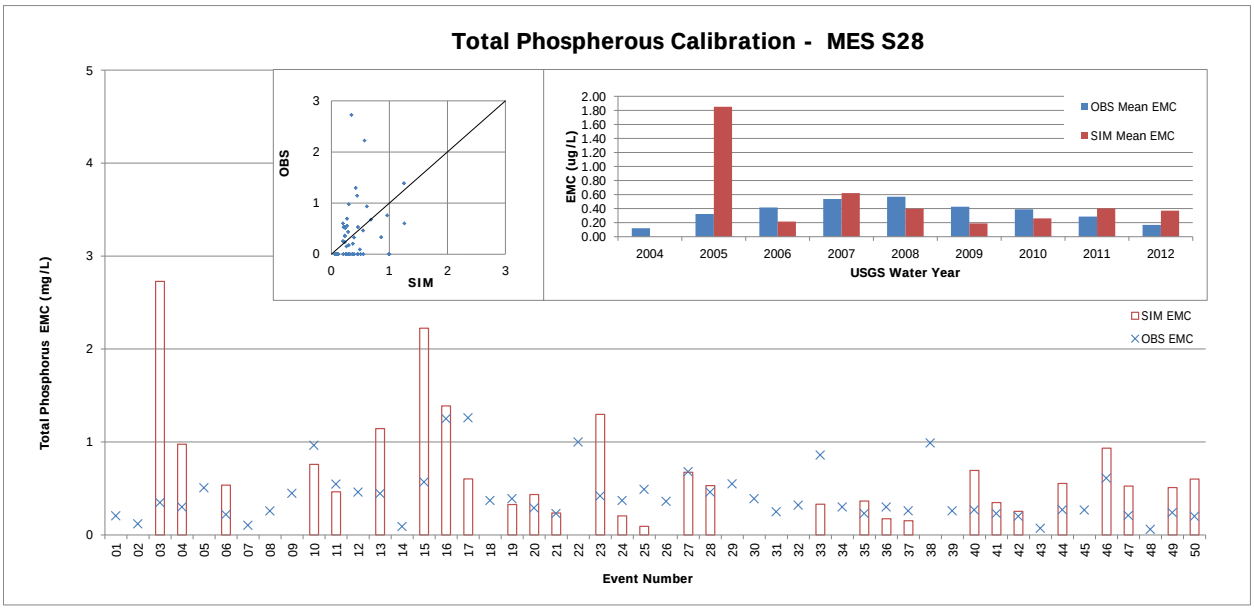


Figure 5-8 Total Phosphorus Calibration Statistics at MES S28

5.2.5 Relationships for Other Constituents of Concern

As discussed above, the model parameters for the major pollutants with current TMDLs have been developed using LSPC. Other relationships for pollutants of concern were evaluated to see if relationships could be found with the other constituents analyzed. The constituents evaluated include: oil and grease, pH, cadmium, arsenic, and dissolved oxygen. No relationships were found with strong correlation to the other water quality constituents. However, these constituents have lower concentrations in the flows in Dominguez Channel. It is assumed that by capturing the limiting pollutants described in Section 3.3.5 of the EWMP, these other constituents will be accounted for. Legacy pollutants such as DDT and organophosphates had too many non-detects to establish any type of relationship and are expected to be associated mainly with sediments already deposited in the estuary or with Superfund

sites already under mitigation operations. The analyses of these other pollutants of concern are provided in **Attachment A**.

6. LSPC Validation

After the model was calibrated it was validated. During the calibration effort, hydrology, sediment, and general water quality parameters were varied to develop a best fit of HRU/EMC responses. The validation effort evaluated responses at tributary stations (TS) where the record is not long enough to be used for calibration, but may be used to evaluate performance of the model by comparing simulated model results with the observed record at each TS. The tributary stations are located at the following locations, all within LACFCD facilities:

- TS 19: Reinforced concrete rectangular channel at Figueroa Street, south of Del Amo Boulevard
- TS 20: Del Amo Channel - reinforced concrete trapezoidal channel at Avalon Boulevard
- TS 21: Reinforced concrete rectangular channel near 173rd Street and Merit Avenue
- TS 22: Hollypark Drain - reinforced concrete rectangular channel at 135th Street
- TS 23: Yukon Lateral - reinforced concrete rectangular channel at Crenshaw Boulevard
- TS 24: Dominguez Channel - reinforced concrete box near 116th Street and Isis Avenue

The validation effort used simulated model results of the general water quality constituents – TSS, copper, lead, zinc, fecal coliform, total nitrogen, and total phosphorus, and compared them to the observed records at TS19 - 24. **Figure 6-1** shows the location of Tributary Stations and MES - S28 used in calibration and validation. The figure also identifies the rain gages used for calibration. The value of the constituents is based on EMCs.

Table 6-1 through **Table 6-7** summarize the observed (OBS) versus simulated (SIM) constituent concentrations used for model validation. For illustration purposes, the water quality constituent will be examined on an annual mean basis in the following tables. The complete set of the validation results are included in **Attachment B**.

Validation of the baseline condition at the various temporary stations has bias numbers that reflect the lack of long term records and the potential issue of the EMC of observed samples not being representative of the event pollutograph during collection. It is expected that as more data is collected through CIMP efforts, the calibration of the model may be refined for areas tributary to the TS locations.

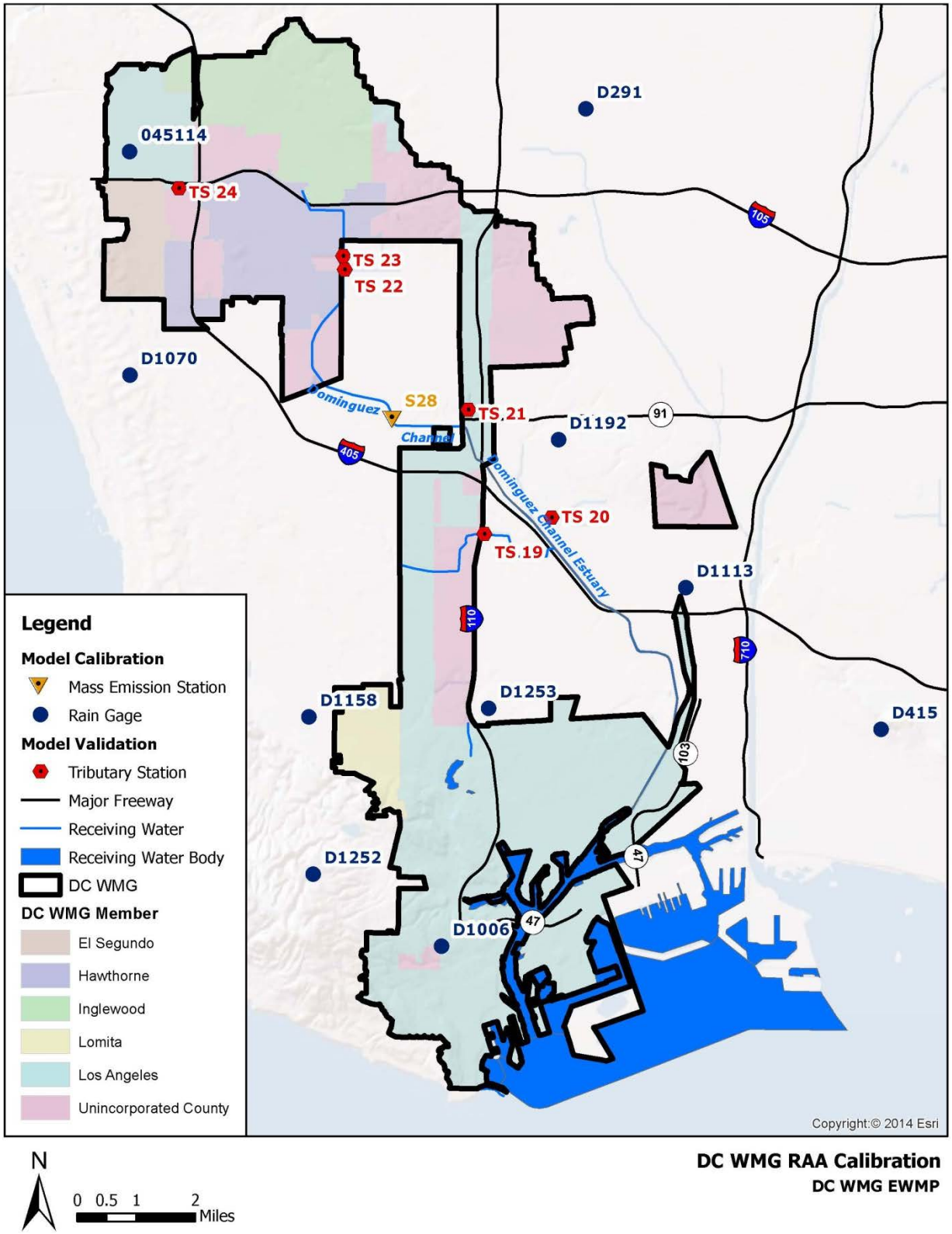


Figure 6-1 Monitoring Stations for Calibration and Validation

Table 6-1 Annual Mean Concentration - TSS (mg/L)

TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	200	88	147	91	101	142	-28.35%
20	109	82	175	88	102	95	-31.35%
21	180	82	183	88	373	99	-63.45%
22	125	85	202	95	154	117	-38.25%
23	47	82	78	80	87	105	25.94%
24	65	80	114	78	40	96	15.98%

Table 6-2 Annual Mean Concentration - Copper (µg/L)

TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	50.82	46.66	28.66	41.66	77.50	92.58	7.38%
20	45.72	51.65	41.11	43.78	180.00	141.07	4.70%
21	54.10	49.00	39.25	41.28	136.00	102.39	-17.47%
22	35.38	50.59	26.15	51.25	92.43	98.28	44.03%
23	28.36	61.47	35.79	42.27	101.25	132.21	73.01%
24	68.23	61.45	121.61	45.03	72.88	73.61	-33.96%

Table 6-3 Annual Mean Concentration - Lead (µg/L)

TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	20.18	8.38	11.97	7.84	16.32	29.40	-5.89%
20	5.42	9.48	9.53	7.81	23.33	25.39	11.45%
21	27.83	8.59	19.07	7.02	30.93	15.44	-60.11%
22	9.51	9.53	11.02	10.63	34.93	19.30	-28.82%
23	7.35	12.75	12.45	8.71	22.16	21.46	2.32%
24	9.30	12.44	16.51	9.23	10.84	17.07	5.69%

Table 6-4 Annual Mean Concentration - Zinc (µg/L)

TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	308.28	169.00	172.84	147.62	309.91	253.83	-27.89%
20	118.46	180.06	174.51	148.41	262.90	288.94	11.07%
21	346.45	172.94	272.00	141.26	340.29	272.80	-38.77%
22	143.70	170.07	121.26	185.70	262.91	281.13	20.65%
23	122.72	213.31	167.56	146.00	264.41	303.57	19.50%
24	263.43	210.40	600.00	155.40	265.51	192.10	-50.58%

Table 6-5 Annual Mean Concentration – Fecal Coliform (MPN/100 mL)							
TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	129,978	710,015	198,188	809,375	207,214	1,222,387	4.10
20	16,182	518,065	63,563	578,962	130,757	873,616	9.05
21	29,819	655,259	178,213	723,640	2,353,000	1,101,086	0.10
22	16,145	279,573	52,190	459,325	95,133	703,465	8.30
23	22,341	286,298	71,163	449,882	611,067	551,333	1.19
24	4,217	297,585	38,160	559,261	46,617	471,424	15.50

Table 6-6 Annual Mean Concentration – Total Nitrogen (mg/L)							
TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	3.16	2.33	2.23	2.38	2.97	4.87	-4.91%
20	2.38	2.48	2.82	1.80	4.94	5.13	-7.99%
21	3.78	2.53	4.36	2.47	5.40	5.89	-23.55%
22	124.90	85.35	201.63	94.92	153.88	117.43	-35.56%
23	1.85	2.91	2.74	3.14	6.91	5.48	9.89%
24	3.91	2.46	5.69	1.77	3.45	2.57	-47.71%

Table 6-7 Annual Mean Concentration – Total Phosphorus (mg/L)							
TS #	Water Year						Bias
	2008		2009		2010		
	OBS	SIM	OBS	SIM	OBS	SIM	
19	0.54	0.24	0.36	0.18	0.33	0.42	-36.80%
20	0.32	0.21	0.39	0.16	0.18	0.44	-19.46%
21	0.60	0.21	0.55	0.16	0.33	0.44	-51.25%
22	0.46	0.46	0.42	0.42	0.25	0.59	-22.74%
23	0.32	0.27	0.43	0.15	0.36	0.42	-27.38%
24	0.44	0.23	0.63	0.16	0.20	0.26	-53.77%

7. Baseline Simulation

A baseline analysis was performed as part of the DC WMG RAA which represents the current watershed condition based on existing stormwater programs. Stormwater runoff was simulated based on the time series record of rainfall between October 2002 and September 2012. This period represents the most recent 10 years of record as required by the MS4 Permit. The water quality constituent mass loading is determined by multiplying the stormwater runoff volume by the water quality constituent concentration. As part of the baseline analysis, the industrial permitted and other permitted facilities were identified. These facilities are modeled as compliant, meaning the parcels did not contribute to the flow, volume, or constituent loading, as they are covered under a stormwater permit and not regulated by the jurisdiction in which they are located. These facilities are illustrated and listed in Attachment M of the EWMP.

The baseline and subsequent simulations analyzed the DC WMG area based on five distinct watersheds, each tributary to different receiving waters. The five watersheds include the Dominguez Channel, Dominguez Channel Estuary, Wilmington Drain, Machado Lake, and the Harbor. These watersheds are shown in **Figure 7-1**. The baseline simulation and 90th percentile analysis were performed for each of the watersheds.

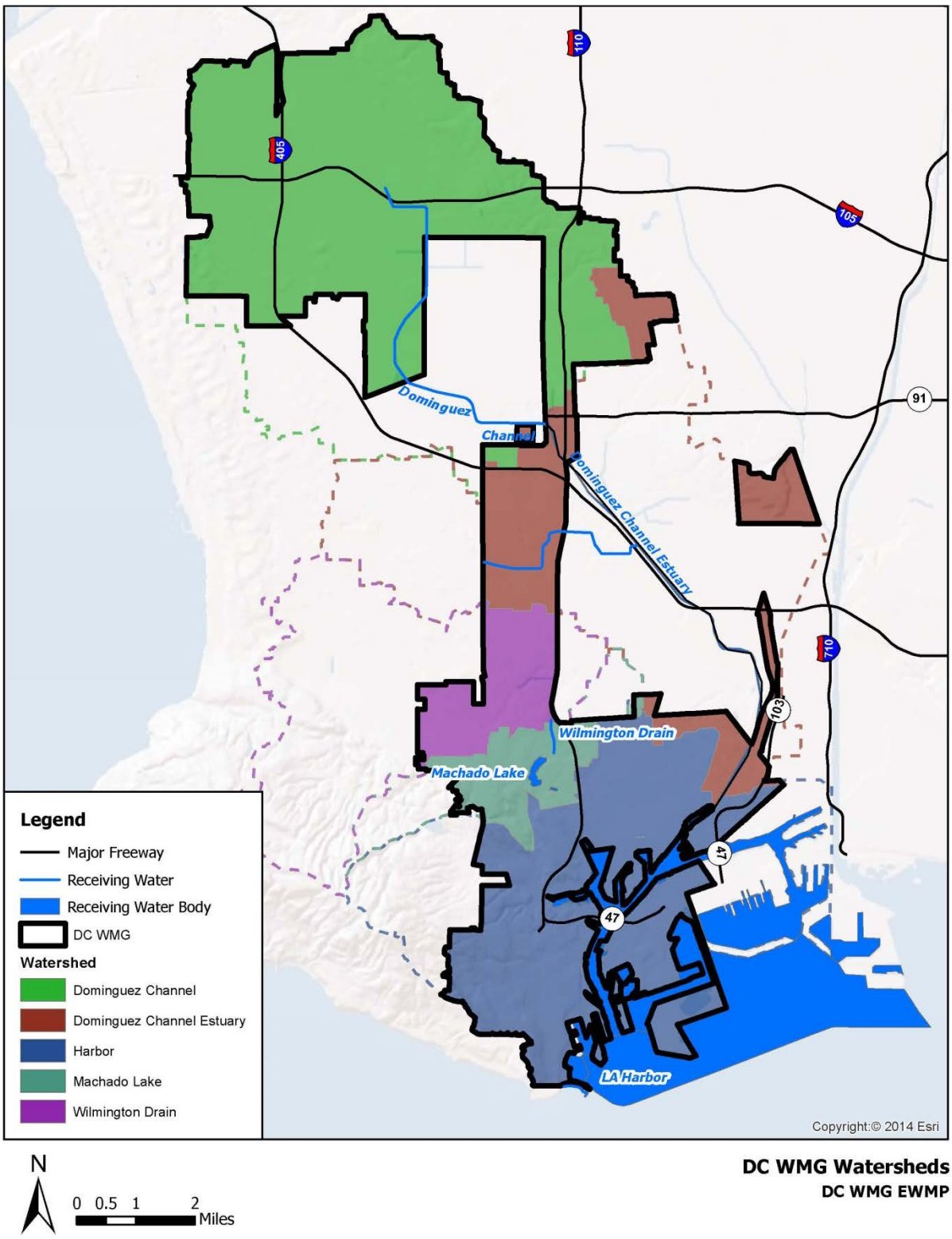


Figure 7-1 DC WMG Watersheds

The baseline hydrology and simulated constituent loading serves as the basis for compliance. The load reductions represent the difference between the baseline conditions and the water quality objectives. The 85th percentile, 24-hour rainfall event baseline simulation is based on the LACFCD 85th percentile rainfall isohyets and unit hyetograph, consistent with the Standard Urban Stormwater Mitigation Plan (SUSMP) and Low Impact Development (LID) methods used within the County. The loads for this event are generated by the model. The volume of runoff for capture under this criterion is determined from the LSPC output to be 1,523 acre-feet.

The 90th percentile load baseline is determined from the 2002-2012 water years based on the loads generated before any BMPs are implemented. This analysis was performed for each of the five watersheds. **Table 7-1** through **Table 7-5** summarizes the results of the LSPC simulation of the load analysis for each of the watersheds. The tables demonstrate that the 90th percentile load exceeds the WQO for most constituents with associated TMDLs. The objective loads are the final target for the simulated constituents. Total nitrogen and total phosphorus are included in the 90th percentile load analysis for the Wilmington Drain and Machado Lake Watersheds, as these are pollutants of concern in these watersheds and not the others based on the Machado Lake Nutrients TMDL.

Table 7-1 Dominguez Channel Watershed – 90th Percentile Baseline Load Analysis

Constituent	Storm Event	P_{90} Load (kg)	Objective Load (kg)	Objective Conc.
Copper	1/21/2012	92.97	5.03	9.7 µg/L
Lead	1/21/2012	24.55	22.16	42.7 µg/L
Zinc	12/16/2002	351.61	61.62	69.6 µg/L
Fecal Coliform	10/30/2010	1.94E+15 MPN	6.76E+11 MPN	400 MPN/100mL

Table 7-2 Dominguez Channel Estuary Watershed – 90th Percentile Baseline Load Analysis

Constituent	Storm Event	P_{90} Load (kg)	Objective Load (kg)	Objective Conc.
Copper	2/27/2006	35.10	2.64	9.7 µg/L
Lead	1/21/2012	7.23	6.95	42.7 µg/L
Zinc	2/27/2006	164.34	18.95	69.6 µg/L
Fecal Coliform	10/30/2010	1.24E+15 MPN	2.50E+11 MPN	400 MPN/100mL

Table 7-3 Wilmington Drain Watershed – 90th Percentile Baseline Load Analysis

Constituent	Storm Event	P_{90} Load (kg)	Objective Load (kg)	Objective Conc.
Copper	12/7/2009	16.93	1.09	9.7 µg/L
Lead	4/12/2010	3.70	3.20	42.7 µg/L
Zinc	12/17/2010	54.96	9.67	69.6 µg/L
Fecal Coliform	10/14/2004	5.84E+14 MPN	1.29E+11 MPN	235 MPN/100mL
Nitrogen	12/17/2010	918.93	138.87	1.0 mg/L
Phosphorus	4/12/2010	83.20	7.49	0.1 mg/L

Table 7-4 Machado Lake Watershed – 90th Percentile Baseline Load Analysis				
Constituent	**Storm Event**	**P_{90} Load (kg)**	**Objective Load (kg)**	**Objective Conc.**
Copper	2/18/2005	9.24	0.59	9.7 µg/L
Lead	10/14/2004	1.89	1.25	42.7 µg/L
Zinc	12/31/2005	30.33	5.98	69.6 µg/L
Fecal Coliform	2/21/2011	2.70E+14 MPN	7.03E+10 MPN	235 MPN/100mL
Nitrogen	12/31/2005	563.84	85.98	1.0 mg/L
Phosphorus	4/12/2010	52.78	5.10	1.04 mg/L

Table 7-5 Harbor Watershed – 90th Percentile Baseline Load Analysis				
Constituent	**Storm Event**	**P_{90} Load (kg)**	**Objective Load (kg)**	**Objective Conc.**
Copper	3/25/2012	64.88	7.05	9.7 µg/L
Lead	10/17/2005	12.91	7.93	42.7 µg/L
Zinc	12/23/2003	241.31	44.32	69.6 µg/L
Fecal Coliform	12/31/2003	3.60E+15 MPN	6.75E+11 MPN	400 MPN/100mL

Table 7-6 through **Table 7-10** summarize the results of the LSPC simulation for the water years beginning the first day of October and ending the final day of September from 2002 to 2012 for each of the five major watersheds. The table compares the six major water quality constituents with adopted TMDLs and identifies the annual load and corresponding volume for each year analyzed. The average annual loads are also provided for the simulation period.

PAGE INTENTIONALLY BLANK

Table 7-6 Dominguez Channel Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)
10/1/02	9/30/03	10,785.64	1,653,025.57	692.82	162.88	2,697.80	1.06E+17
10/1/03	9/30/04	8,224.93	1,217,251.86	578.41	132.83	2,215.55	6.84E+16
10/1/04	9/30/05	23,889.84	3,590,190.72	1,066.94	205.39	3,168.54	2.65E+17
10/1/05	9/30/06	8,721.22	1,488,277.84	730.87	173.42	2,871.92	7.51E+16
10/1/06	9/30/07	3,586.61	426,006.76	377.42	79.68	1,359.38	8.21E+15
10/1/07	9/30/08	10,589.63	1,336,606.77	561.38	126.51	2,106.17	1.03E+17
10/1/08	9/30/09	8,139.89	1,147,055.49	550.43	125.58	2,099.04	6.87E+16
10/1/09	9/30/10	10,885.81	1,602,439.10	689.04	162.07	2,690.55	1.05E+17
10/1/10	9/30/11	15,477.34	1,952,793.20	721.63	168.11	2,778.03	1.64E+17
10/1/11	9/30/12	7,236.76	1,369,686.88	740.79	175.86	2,914.19	5.68E+16
Average Annual:		**10,753.77**	**1,578,333.42**	**670.97**	**151.23**	**2,490.12**	**1.02E+17**

Table 7-7 Dominguez Channel Estuary Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)
10/1/02	9/30/03	4,861.77	694,715.88	243.97	49.86	1,021.84	8.73E+16
10/1/03	9/30/04	3,135.93	420,958.55	187.35	36.81	750.84	4.48E+16
10/1/04	9/30/05	9,952.87	1,162,293.46	273.30	54.21	1,092.27	2.01E+17
10/1/05	9/30/06	3,222.85	499,614.41	223.42	44.96	920.85	4.74E+16
10/1/06	9/30/07	1,421.54	179,264.43	138.18	25.40	524.27	5.69E+15
10/1/07	9/30/08	4,522.77	584,767.06	204.65	40.64	831.22	7.80E+16
10/1/08	9/30/09	3,818.80	476,251.09	182.00	35.25	722.60	6.17E+16
10/1/09	9/30/10	5,292.34	770,497.66	256.92	51.29	1,043.02	9.51E+16
10/1/10	9/30/11	6,780.96	901,271.36	310.72	58.11	1,144.16	1.28E+17
10/1/11	9/30/12	2,898.58	546,749.57	253.16	51.75	1,059.08	3.99E+16
Average Annual:		**4,590.84**	**623,638.35**	**227.37**	**44.83**	**911.01**	**7.89E+16**

Table 7-8 Wilmington Drain Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)	Total Nitrogen (kg)	Total Phosphorus (kg)
10/1/02	9/30/03	2,009.77	339,107.92	127.24	28.13	448.19	1.75E+16	9,025.56	859.23
10/1/03	9/30/04	1,215.21	157,036.98	74.13	16.42	272.96	8.32E+15	5,979.13	563.85
10/1/04	9/30/05	3,754.98	834,479.83	285.77	48.19	684.59	3.53E+16	14,654.85	1,626.27
10/1/05	9/30/06	1,336.46	203,415.91	99.31	23.27	382.06	9.69E+15	7,788.94	715.67
10/1/06	9/30/07	712.80	159,474.41	102.05	24.03	393.97	2.48E+15	7,999.65	725.93
10/1/07	9/30/08	1,815.29	208,272.28	78.56	17.64	292.34	1.53E+16	6,302.86	597.77
10/1/08	9/30/09	1,432.70	187,697.17	79.57	17.71	292.41	1.08E+16	6,309.17	596.37
10/1/09	9/30/10	2,367.94	380,187.83	132.97	28.43	449.50	2.10E+16	9,192.61	892.44
10/1/10	9/30/11	2,547.68	331,262.56	115.65	27.49	448.20	2.37E+16	8,907.66	825.72
10/1/11	9/30/12	1,156.48	206,660.51	112.37	26.82	437.70	7.64E+15	8,715.54	791.20
Average Annual:		**1,834.93**	**300,759.54**	**120.76**	**25.81**	**410.19**	**1.52E+16**	**8,487.60**	**819.45**

Table 7-9 Machado Lake Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)	Total Nitrogen (kg)	Total Phosphorus (kg)
10/1/02	9/30/03	1,565.22	349,726.31	133.03	22.61	341.45	1.38E+16	7,712.97	822.70
10/1/03	9/30/04	918.20	110,541.16	52.93	10.94	189.36	6.16E+15	4,461.29	426.00
10/1/04	9/30/05	2,637.23	532,556.39	174.83	28.44	419.75	2.55E+16	9,520.55	1,049.75
10/1/05	9/30/06	991.32	156,228.00	74.53	16.77	283.85	7.05E+15	6,059.23	559.14
10/1/06	9/30/07	556.30	110,719.45	69.93	15.43	264.93	1.71E+15	5,786.09	531.16
10/1/07	9/30/08	1,327.33	152,887.64	57.00	11.92	205.09	1.12E+16	4,741.95	455.44
10/1/08	9/30/09	1,007.99	126,020.52	57.63	12.26	210.27	7.33E+15	4,802.14	454.95
10/1/09	9/30/10	1,814.18	347,631.37	124.90	21.73	333.03	1.64E+16	7,524.73	794.25
10/1/10	9/30/11	2,014.21	282,987.89	92.06	19.64	325.00	1.91E+16	6,909.76	663.20
10/1/11	9/30/12	801.67	124,080.47	65.66	14.23	246.89	4.84E+15	5,502.40	510.54
Average Annual:		**1,363.37**	**229,337.92**	**90.25**	**17.40**	**281.96**	**1.13E+16**	**6,302.11**	**626.71**

Table 7-10 Harbor Watershed – Annual Loads and Volume

Start	End	Volume (ac-ft)	TSS (kg)	Copper (kg)	Lead (kg)	Zinc (kg)	Fecal Coliform (MPN)
10/1/02	9/30/03	12,003.98	2,095,957.03	571.09	93.62	2,081.62	2.32E+17
10/1/03	9/30/04	6,825.41	1,034,047.48	339.14	58.63	1,406.83	1.07E+17
10/1/04	9/30/05	20,160.47	3,033,366.45	657.76	108.45	2,401.93	4.12E+17
10/1/05	9/30/06	6,749.71	1,342,996.20	456.18	82.43	1,989.55	1.04E+17
10/1/06	9/30/07	3,719.28	967,491.79	418.54	75.46	1,796.73	3.26E+16
10/1/07	9/30/08	10,945.49	1,500,407.62	385.57	62.98	1,434.51	2.05E+17
10/1/08	9/30/09	6,174.41	958,435.33	333.54	57.78	1,376.68	8.89E+16
10/1/09	9/30/10	13,643.10	2,721,003.99	781.23	114.38	2,288.11	2.62E+17
10/1/10	9/30/11	14,501.56	2,744,594.68	756.12	116.18	2,435.63	2.83E+17
10/1/11	9/30/12	5,062.31	1,047,431.77	403.57	71.95	1,726.03	6.31E+16
Average Annual:		**9,978.57**	**1,744,573.23**	**510.27**	**84.19**	**1,893.76**	**1.79E+17**

8. References

City of San Diego. June 2010. City of San Diego Targeted Aggressive Street Sweeping Pilot Study Effectiveness Assessment.

Dominguez Channel Watershed Management Group (DC WMG). 2014. Enhanced Watershed Management Program Work Plan. Submitted to the Los Angeles Regional Water Quality Control Board June 2014.

Geosyntec. 2008a. A User's Guide for the Structural BMP Prioritization and Analysis Tool (SBPAT v1.0). December 2008. Prepared for Heal the Bay, City of Los Angeles, and County of Los Angeles Department of Public Works by Geosyntec.

Geosyntec. 2008b. A User's Guide for the Structural BMP Prioritization and Analysis Tool (SBPAT v1.0) Technical Appendices. December 2008. Prepared for Heal the Bay, City of Los Angeles, and County of Los Angeles Department of Public Works by Geosyntec.

Jonathan E. Jones, Jane Clary, Eric Strecker, Marcus Quigley, and Jeff Moeller. Stormwater Journal March-April 2012. BMP Effectiveness for Nutrients, Bacteria, Solids, Metals, and Runoff Volume

Los Angeles County Department of Public Works (LACDPW). 2006. Los Angeles County-Wide Structural BMP Prioritization Methodology: A Guidance Manual for Strategic Storm Water Quality Project Planning. 2006. Prepared for County of Los Angeles Department of Public Works, City of Los Angeles, and Heal the Bay by Geosyntec.

Los Angeles County Department of Public Works (LACDPW). 2010a. Los Angeles County Watershed Model Configuration and Calibration – Part I: Hydrology. August 6, 2010. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

Los Angeles County Department of Public Works (LACDPW). 2010b. Los Angeles County Watershed Model Configuration and Calibration – Part II: Water Quality. August 6, 2010. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

Los Angeles County Department of Public Works (LACDPW). 2010c. The Los Angeles County Watershed Management Modeling System Loading Simulation Program in C++ User's Manual. October 1, 2010. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

Los Angeles County Department of Public Works (LACDPW). 2011. Phase II Report: Development of the Framework for Watershed Scale Optimization Modeling. June 30, 2011. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

Los Angeles County Department of Public Works (LACDPW). 2013. The Los Angeles County Watershed Management Modeling System Regional Optimization User's Manual. March 19, 2013. Submitted to Los Angeles County Department of Public Works by Tetra Tech.

Los Angeles Regional Water Quality Control Board (LARWQCB). 2007. 2006 CWA Section 303(d) List of Water Quality Limited Segments Requiring TMDLs. June 28, 2007. http://www.usbr.gov/lc/socal/reports/brineconcentrate/3Regs_part2.pdf

Los Angeles Regional Water Quality Control Board (LARWQCB). 2013. General Required Information for Required Information for the Reasonable Assurance Analysis for Each Water Body-Combination Addressed by the Watershed Management Program. November 6, 2013.

Los Angeles Regional Water Quality Control Board (LARWQCB). 2010. Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants Total Maximum Daily Loads Draft. December 2010.

Los Angeles River Upper Reach 2 Watershed Management Area (LAR UR2 WMA). 2014. Watershed Management Plan DRAFT. Submitted June 26, 2014 to the Los Angeles Regional Water Quality Control Board.

Stein, Eric D. and Ackerman, Drew. April 2007. Journal of the American Water Resources Association, Vol. 43, No. 2. Dry Weather Water Quality Loading in Arid, Urban Watershed of the Los Angeles Basin, California, USA.

Team Dominguez. October 2014. Task F.4.2.2 – Preliminary List of Regional Projects. Submitted to the Dominguez Channel Watershed Management Group October 20, 2014.

USEPA, 2003. The LSPC Watershed Modeling System User's Manual. November 2003. Developed for the USEPA by Tetra Tech.

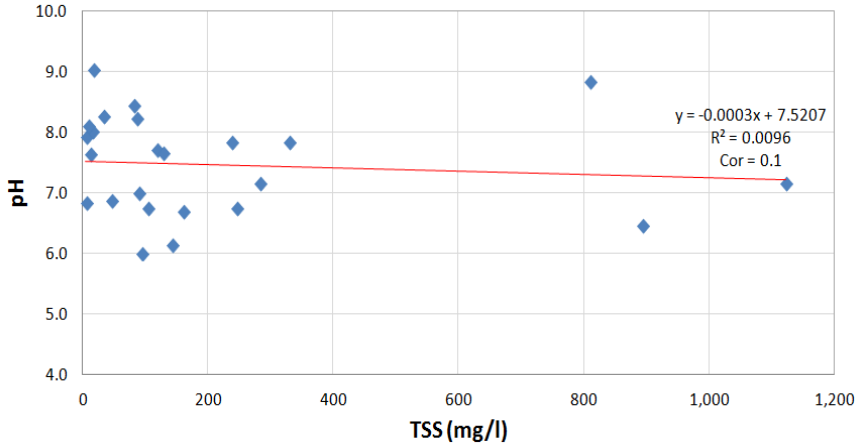
PAGE INTENTIONALLY LEFT BLANK

Attachment A

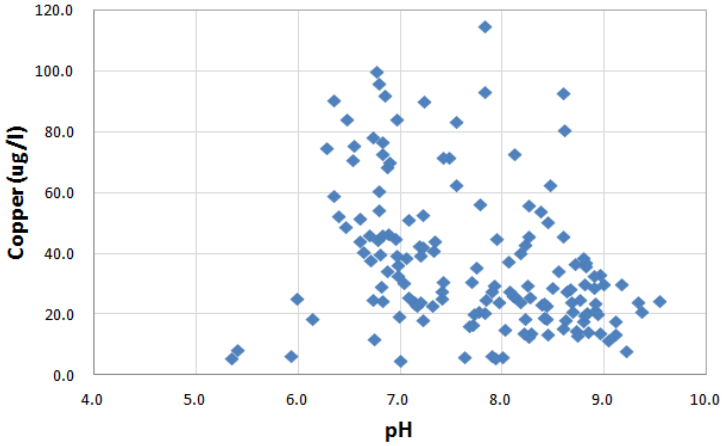
Relationships for Other Constituents of Concern

PAGE INTENTIONALLY LEFT BLANK

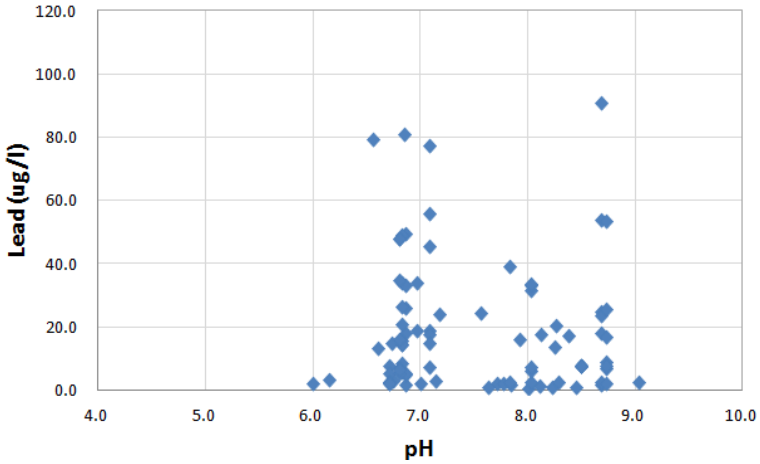
TSS vs. pH (2002-13) - Data: S28

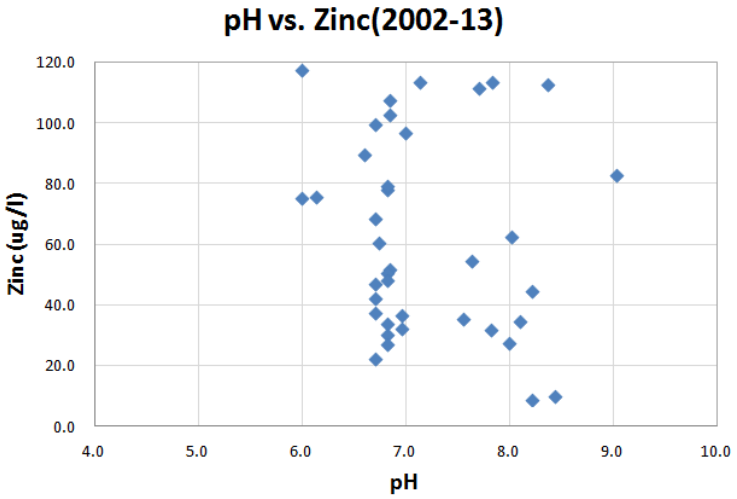


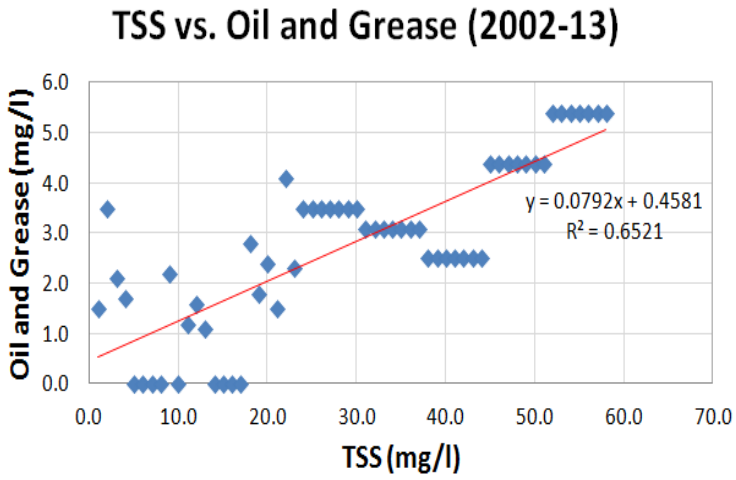
pH vs. Copper(2002-13)

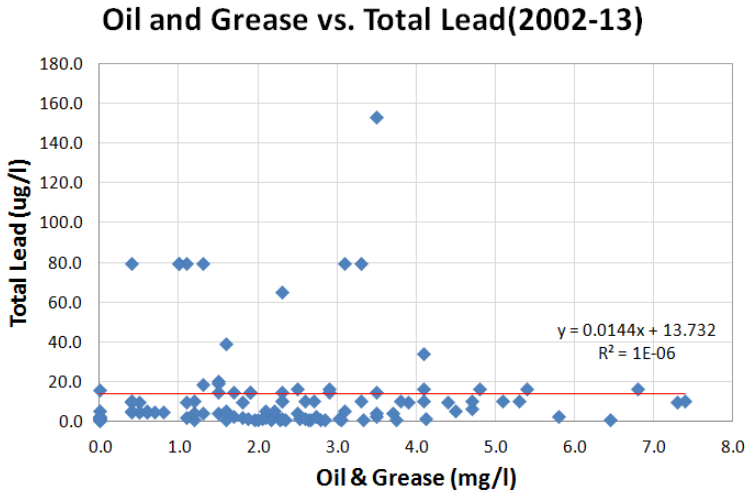


pH vs. Lead(2002-13)

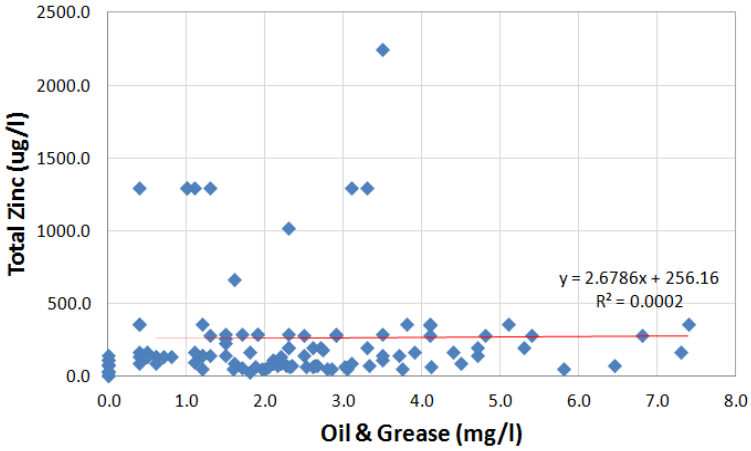



pH vs. Zinc(2002-13)
Zinc (ug/l)
pH
120.0
100.0
80.0
60.0
40.0
20.0
0.0
4.0
5.0
6.0
7.0
8.0
9.0
10.0

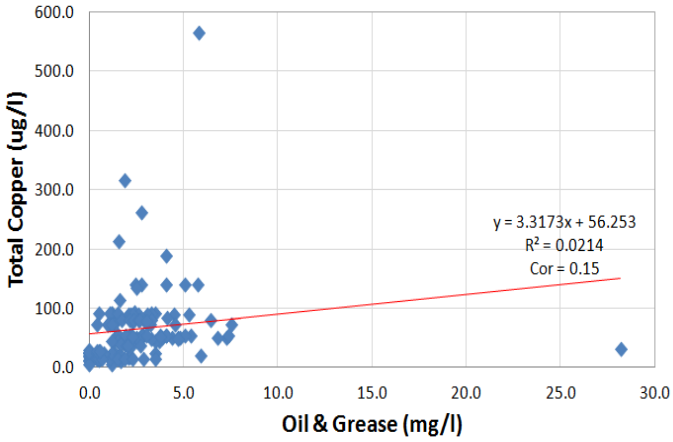

TSS vs. Oil and Grease (2002-13)
Oil and Grease (mg/l)
TSS (mg/l)
y = 0.0792x + 0.4581
R² = 0.6521
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0


Oil and Grease vs. Total Lead(2002-13)
Total Lead (ug/l)
Oil & Grease (mg/l)
y = 0.0144x + 13.732
R² = 1E-06
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0

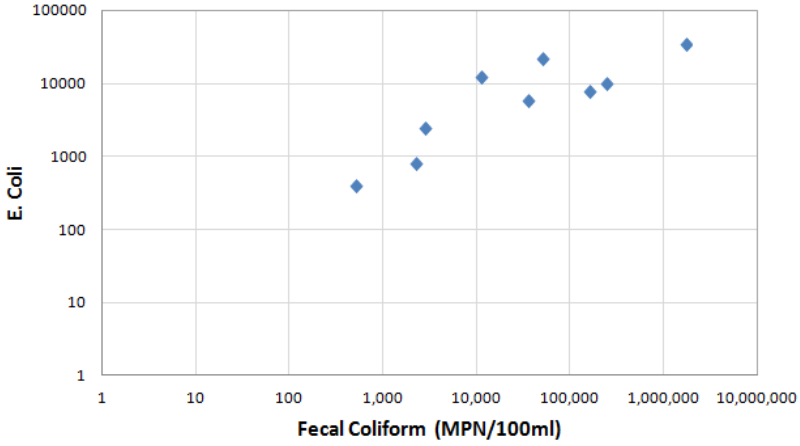
Oil and Grease vs. Total Zinc(2002-13)



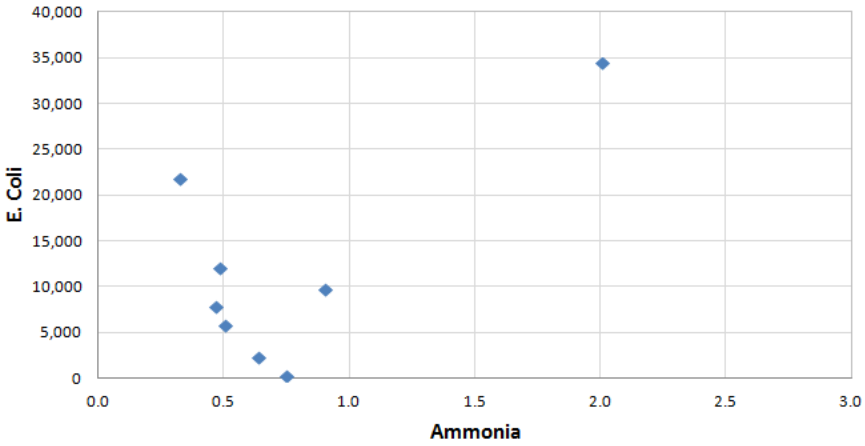
Oil and Grease vs. Total Copper(2002-13)



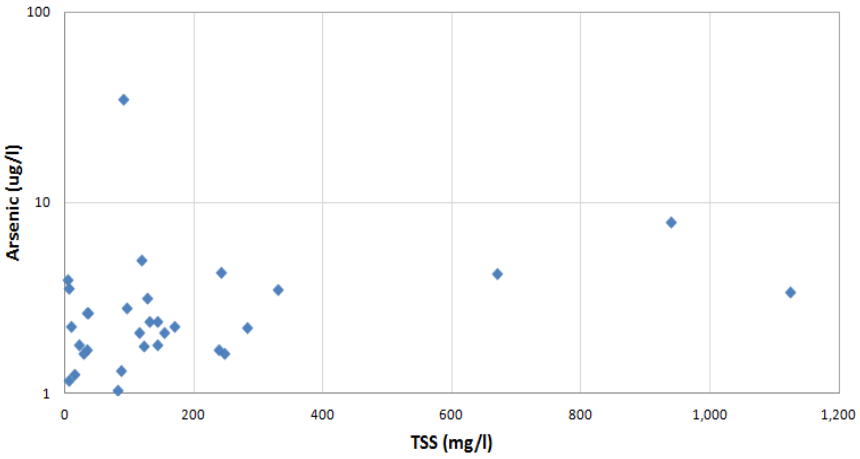
Fecal Coliform vs. E. Coli (2012-13)



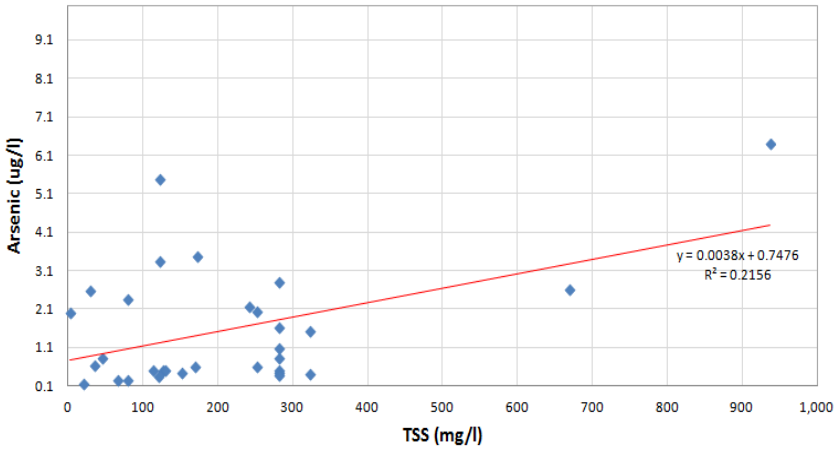
E. Coli vs. Ammonia



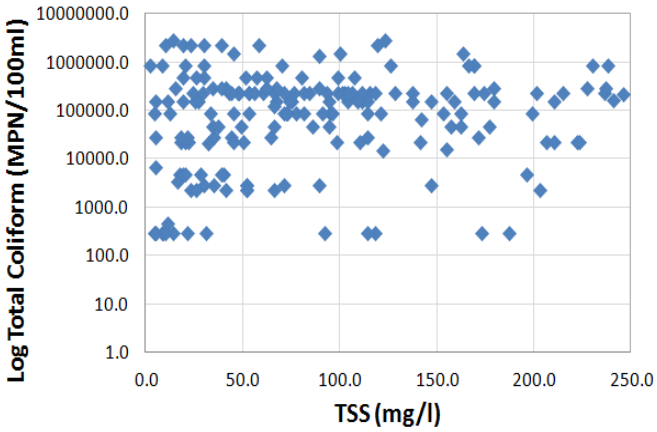
TSS vs. Arsenic (2012-13)



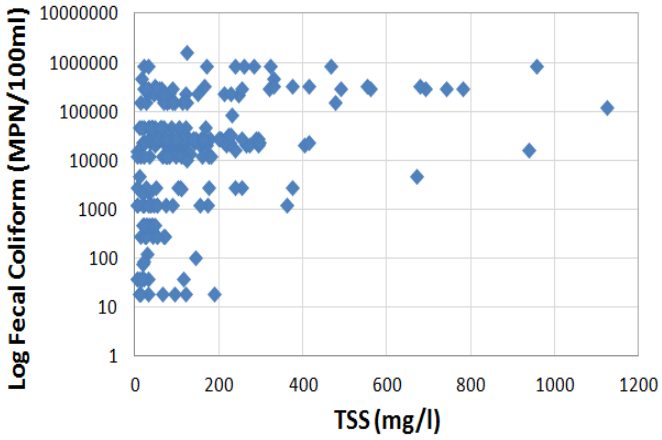
TSS vs. Cadmium (2012-13)



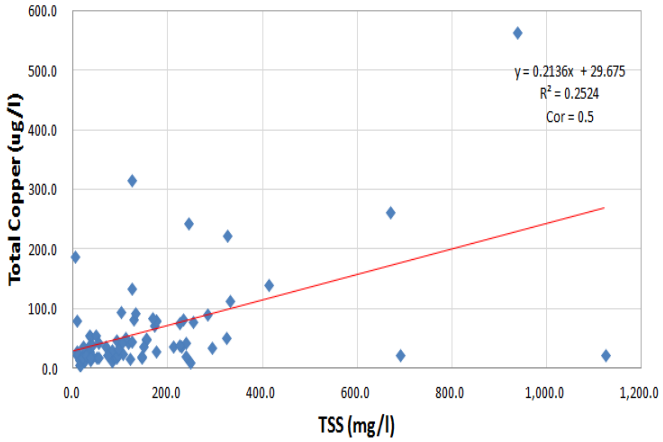
TSS vs. Total Coliform (2002-13)



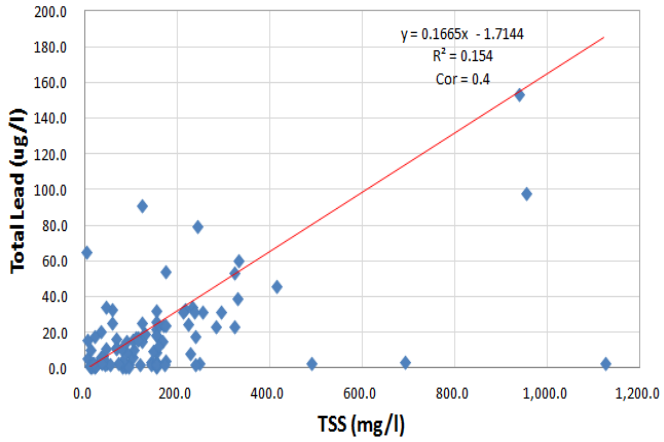
TSS vs. Fecal Coliform(2002-13)



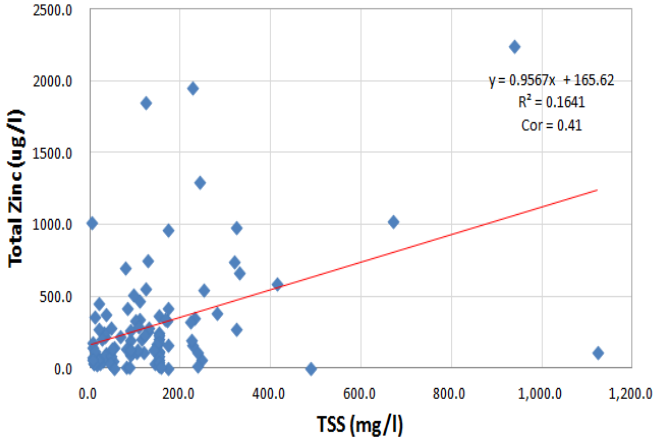
TSS vs. Total Copper(2002-13)



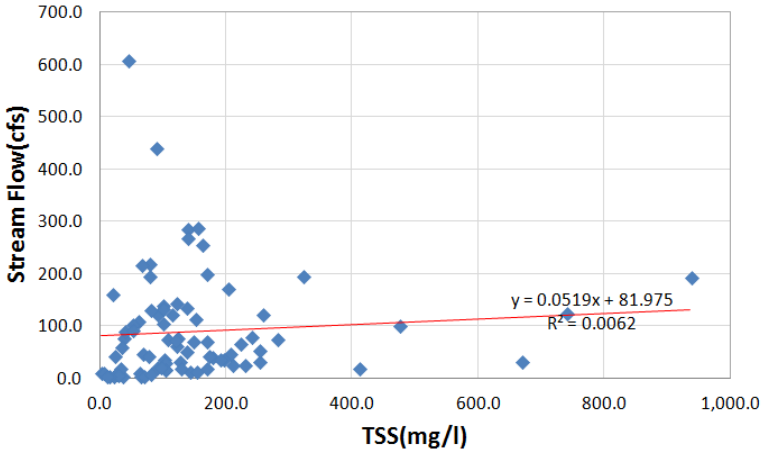
TSS vs. Total Lead(2002-13)

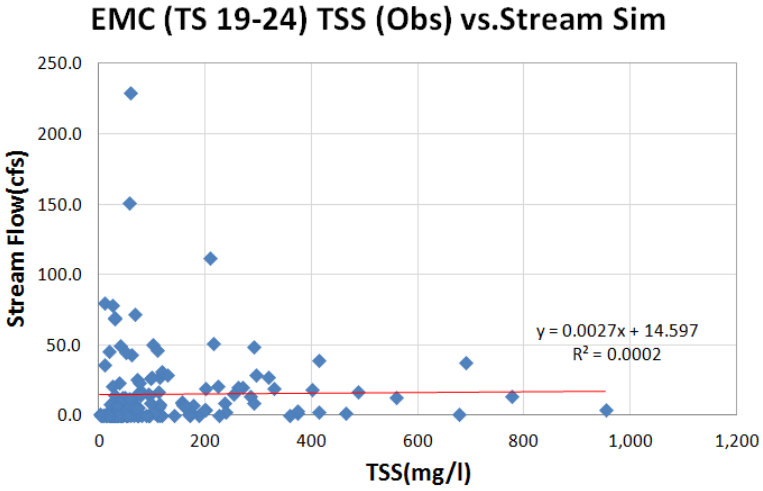


TSS vs. Total Zinc(2002-13)



EMC (S28) TSS(Obs) vs. Stream Obs



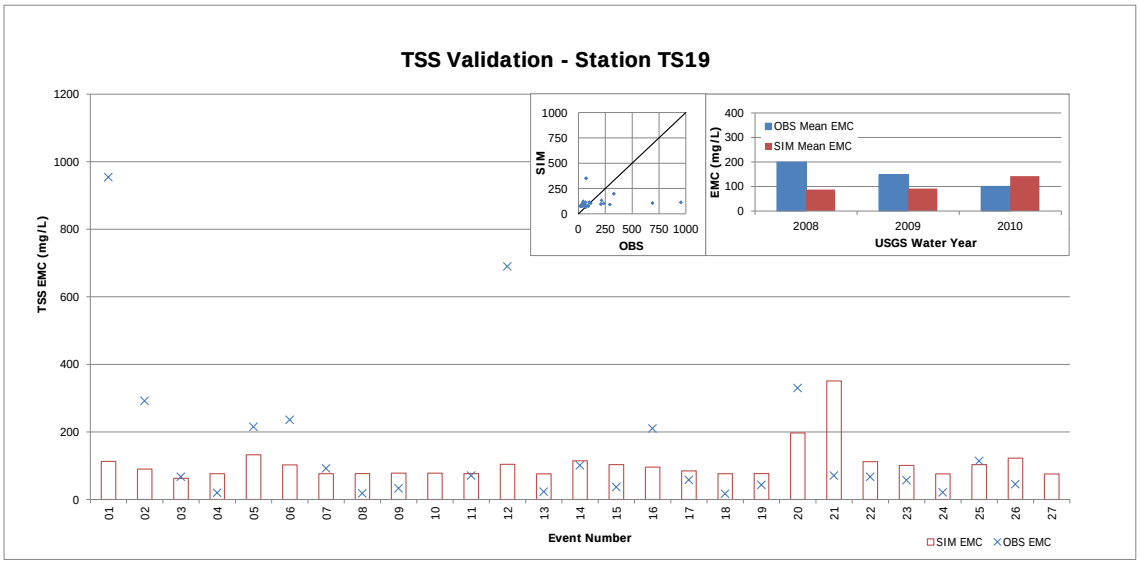

EMC (TS 19-24) TSS (Obs) vs.Stream Sim
Stream Flow(cfs)
250.0
200.0
150.0
100.0
50.0
0.0
0
200
400
600
800
1,000
1,200
TSS(mg/l)
y = 0.0027x + 14.597
R² = 0.0002

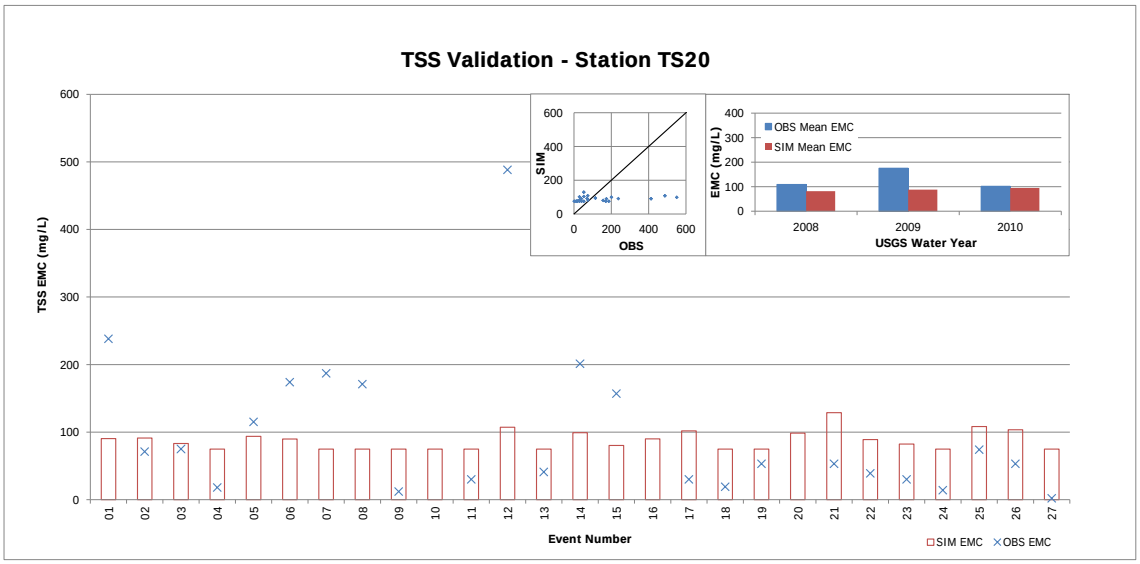
PAGE INTENTIONALLY LEFT BLANK

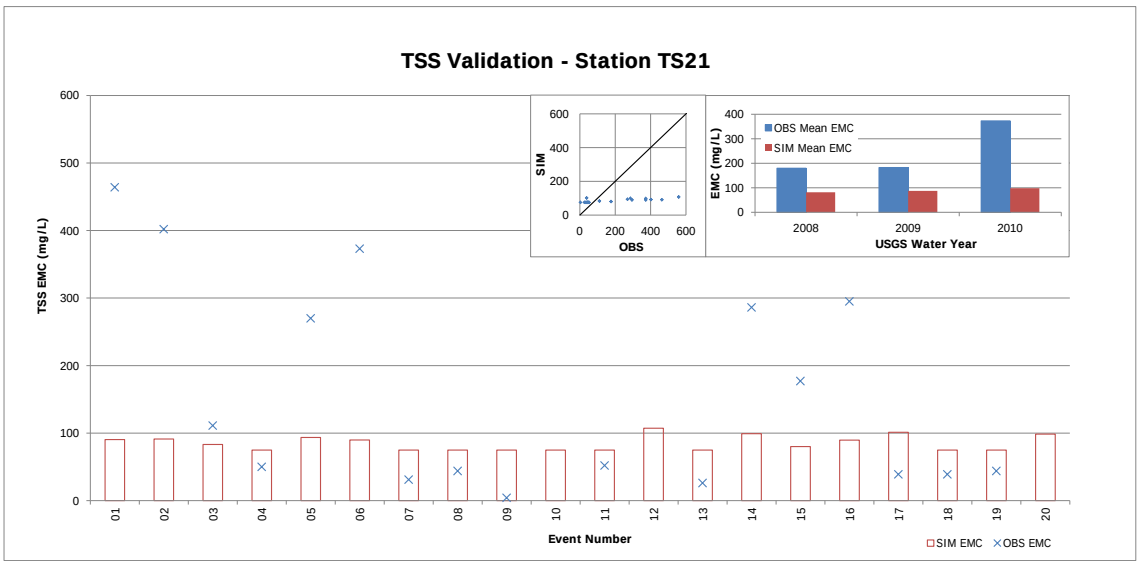
Attachment B

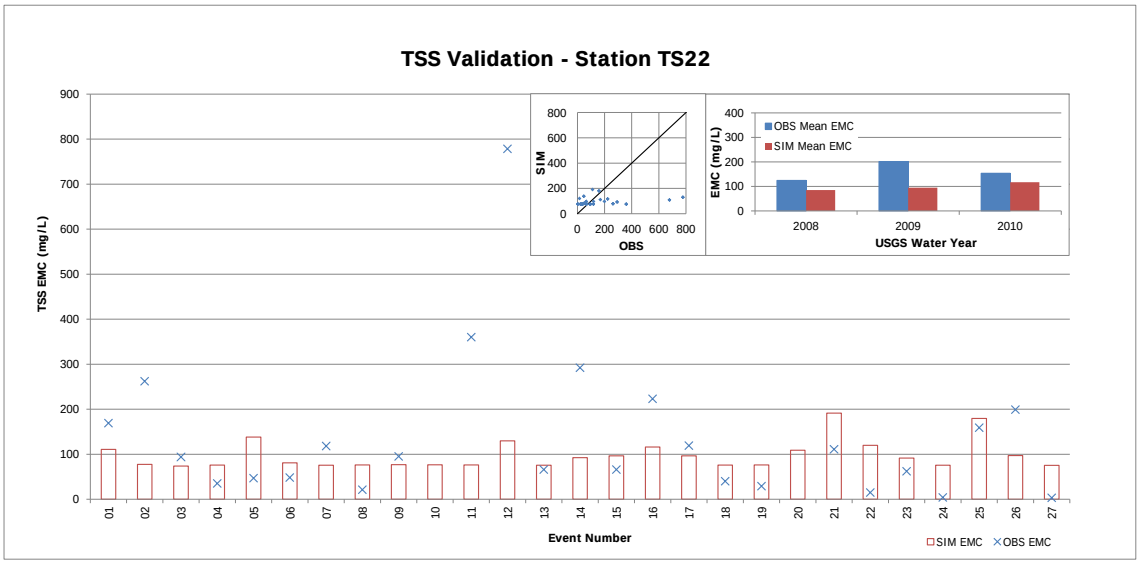
Validation Data Sets

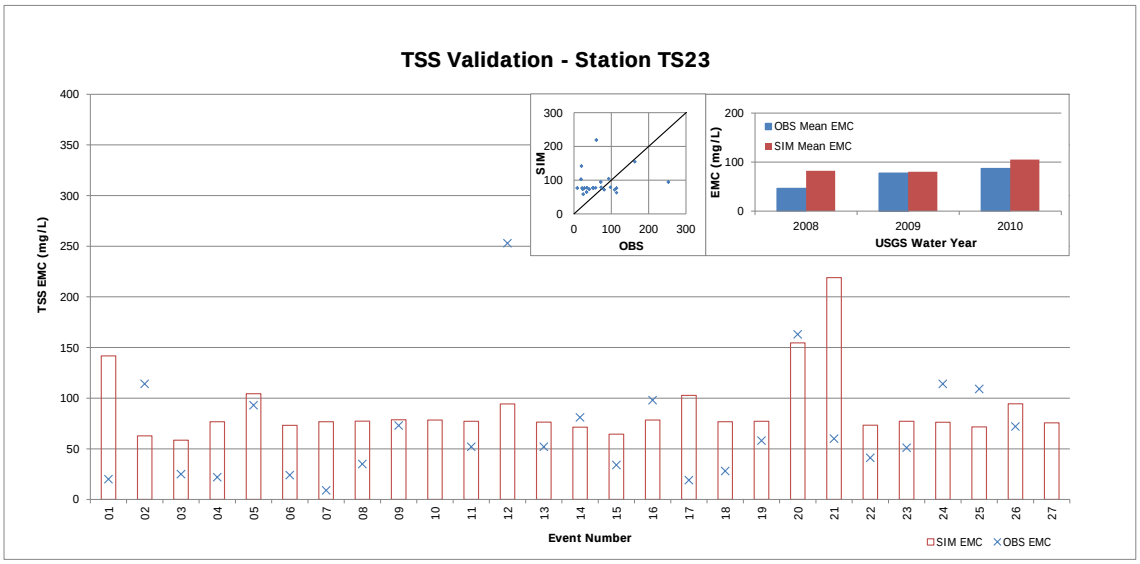
PAGE INTENTIONALLY LEFT BLANK

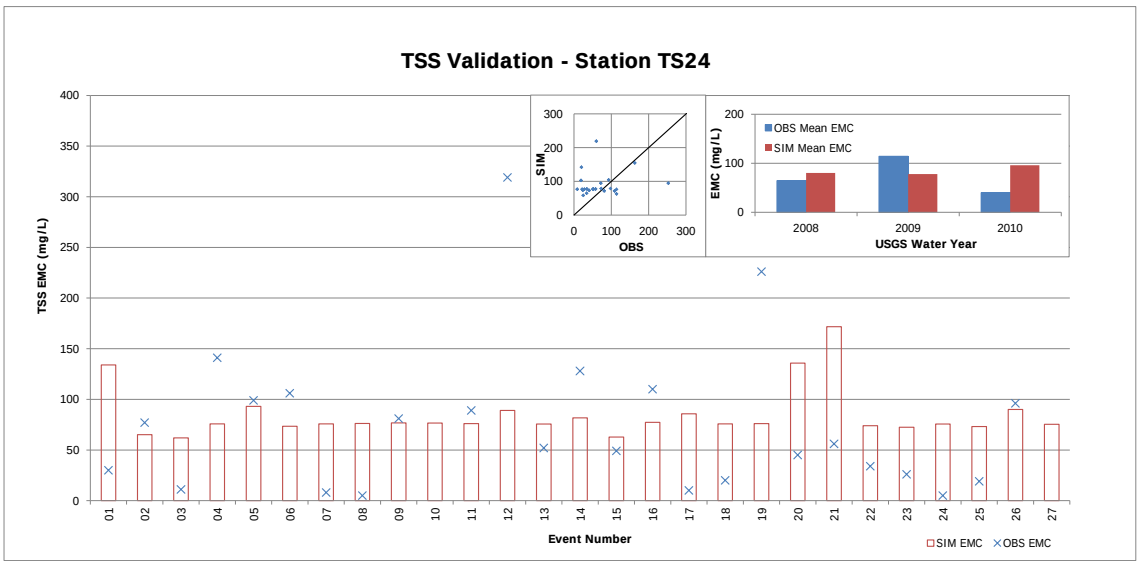

TSS Validation - Station TS19
TSS EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

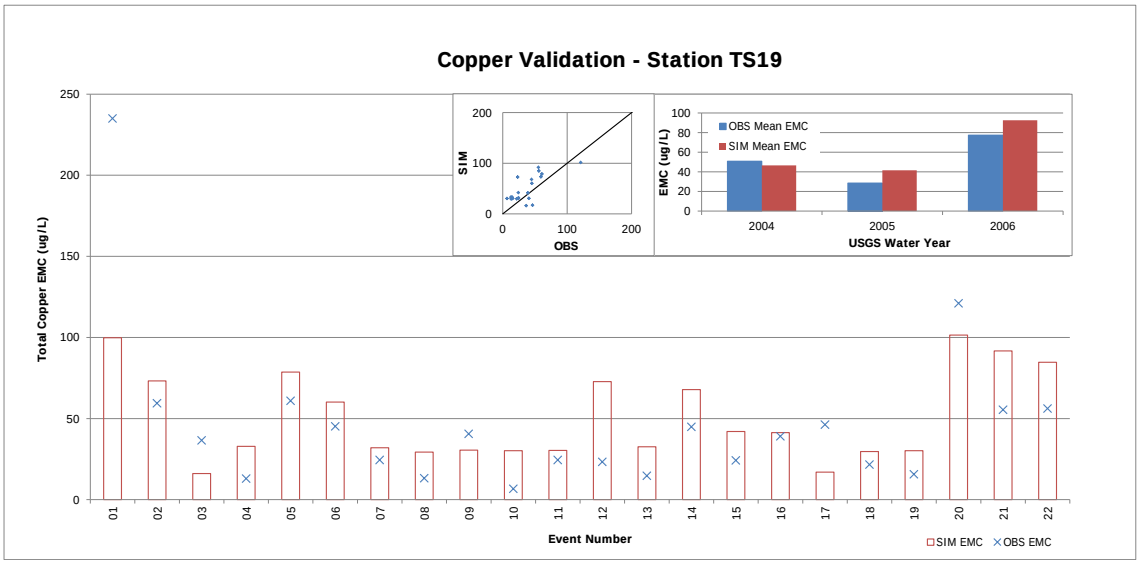

TSS Validation - Station TS20
TSS EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

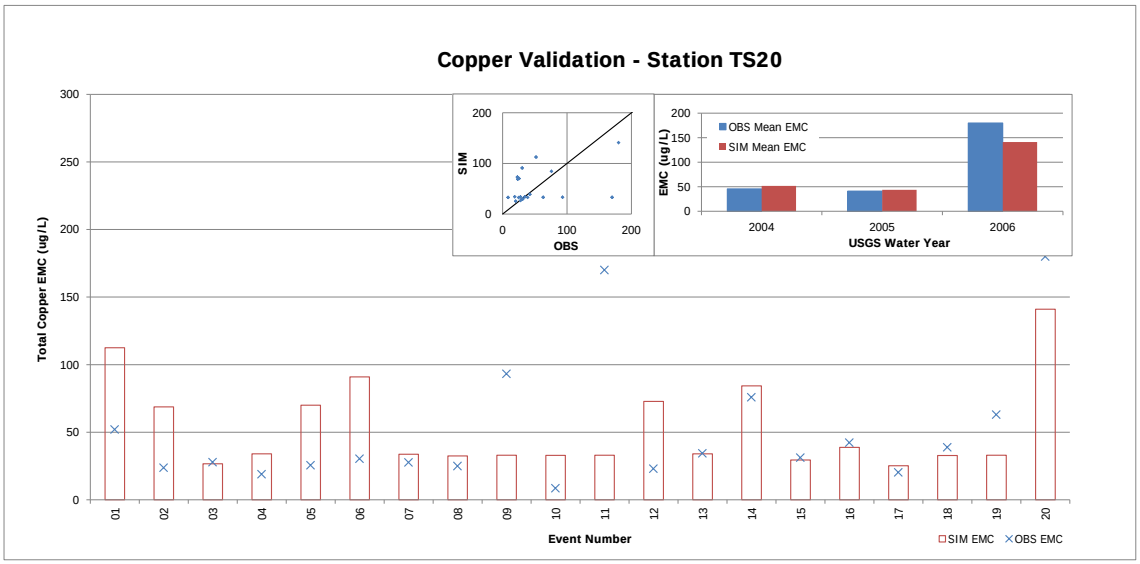

TSS Validation - Station TS21
TSS EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

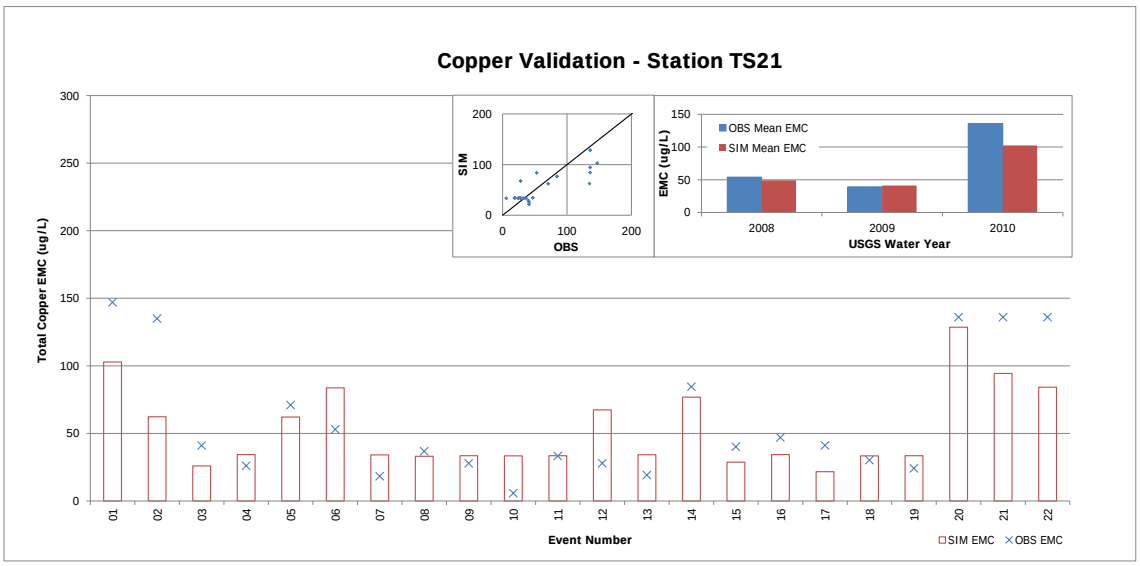

TSS Validation - Station TS22
TSS EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

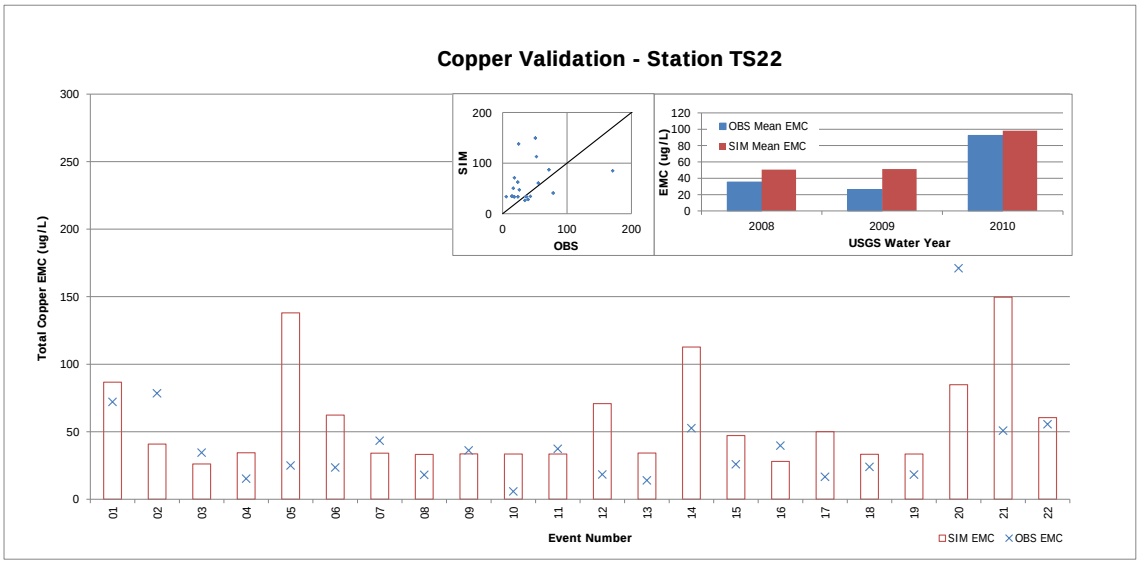

TSS Validation - Station TS23
TSS EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

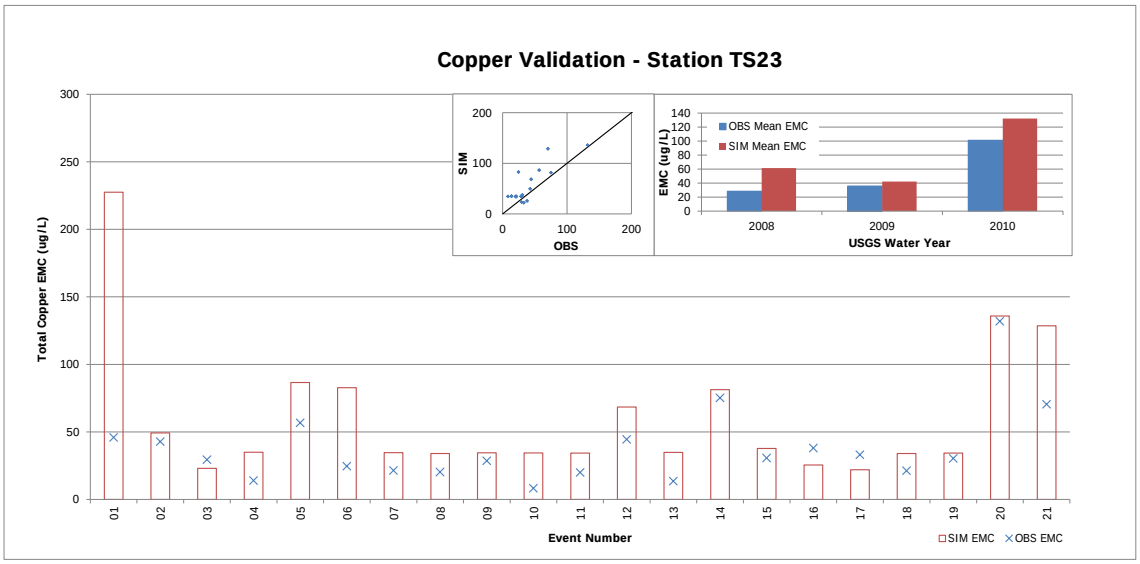

TSS Validation - Station TS24
TSS EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

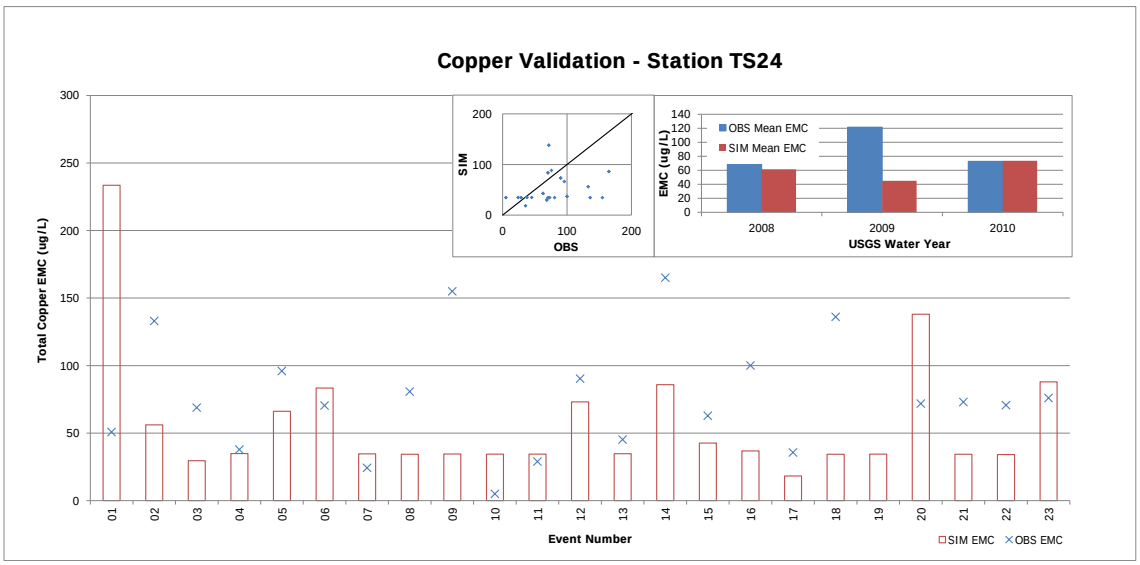

Copper Validation - Station TS19
Total Copper EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year

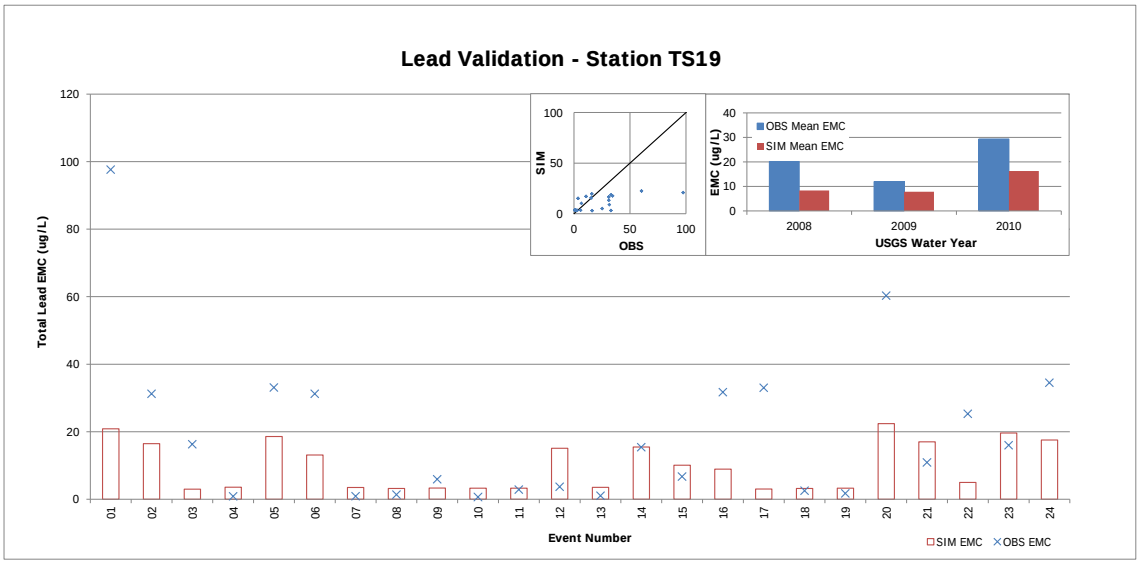

Copper Validation - Station TS20
Total Copper EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year

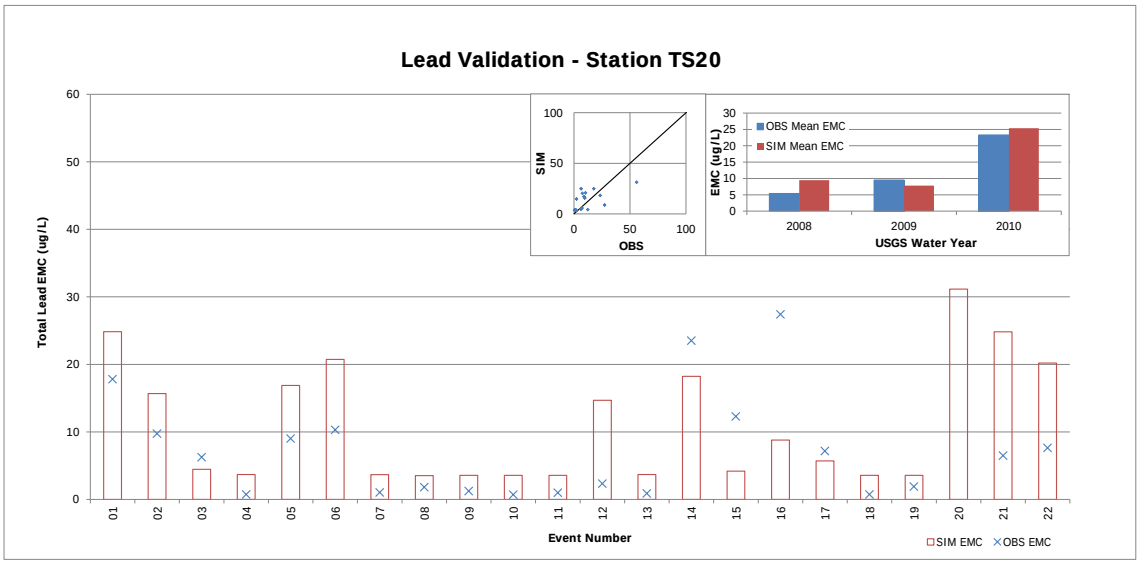

Copper Validation - Station TS21
Total Copper EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year

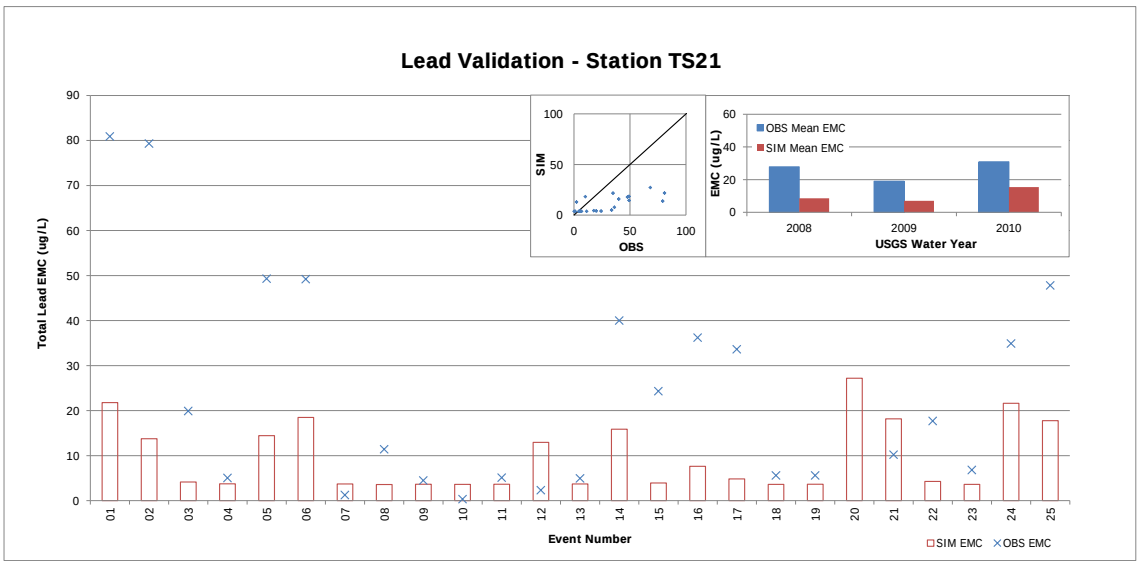

Copper Validation - Station TS22
Total Copper EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

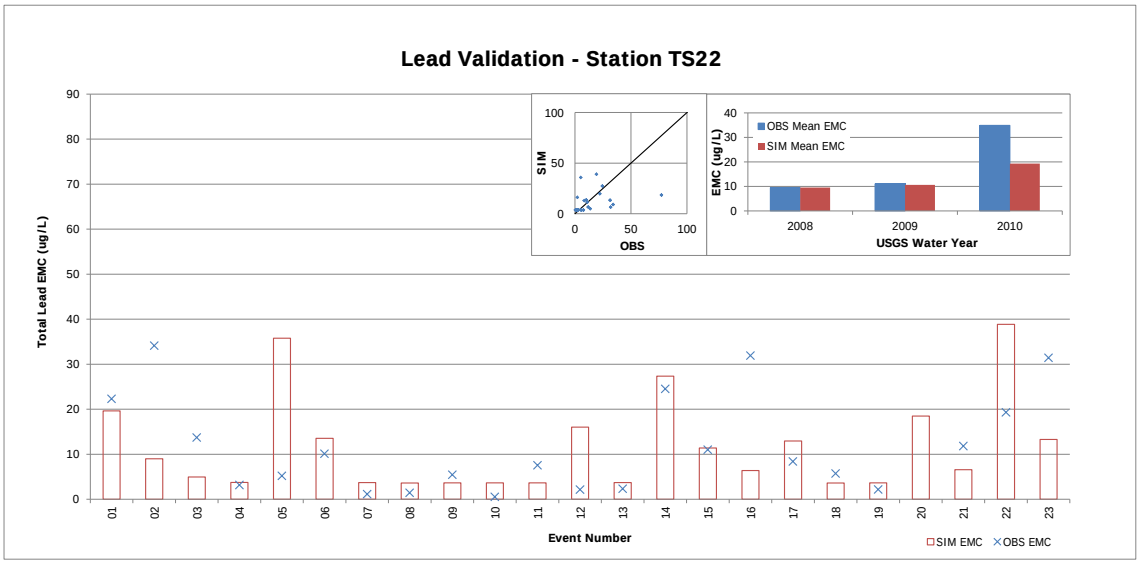

Copper Validation - Station TS23
Total Copper EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

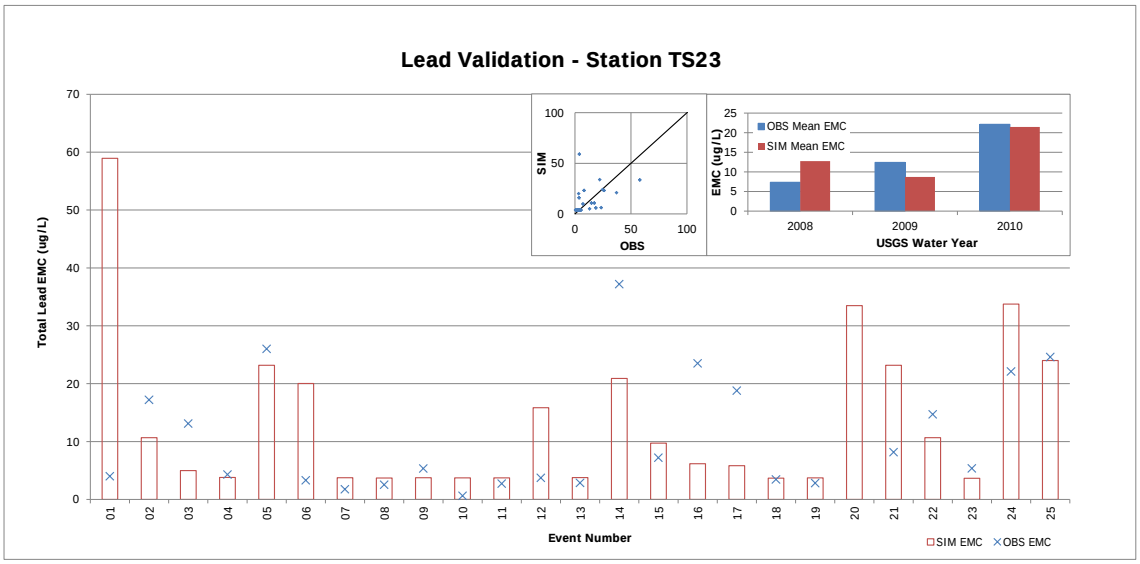

Copper Validation - Station TS24
Total Copper EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

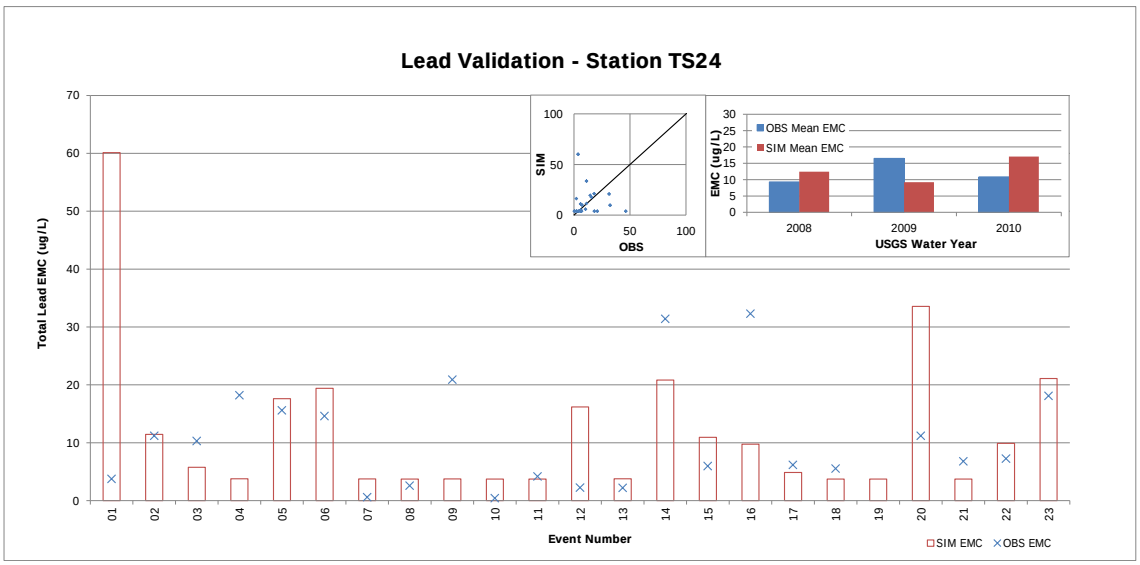

Lead Validation - Station TS19
Total Lead EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year

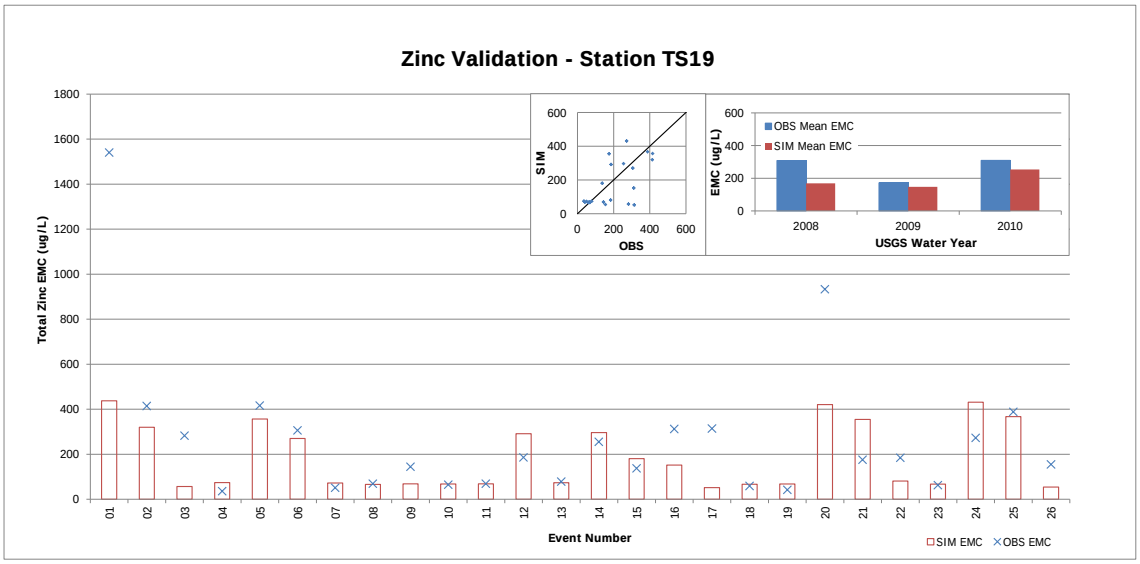

Lead Validation - Station TS20
Total Lead EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year

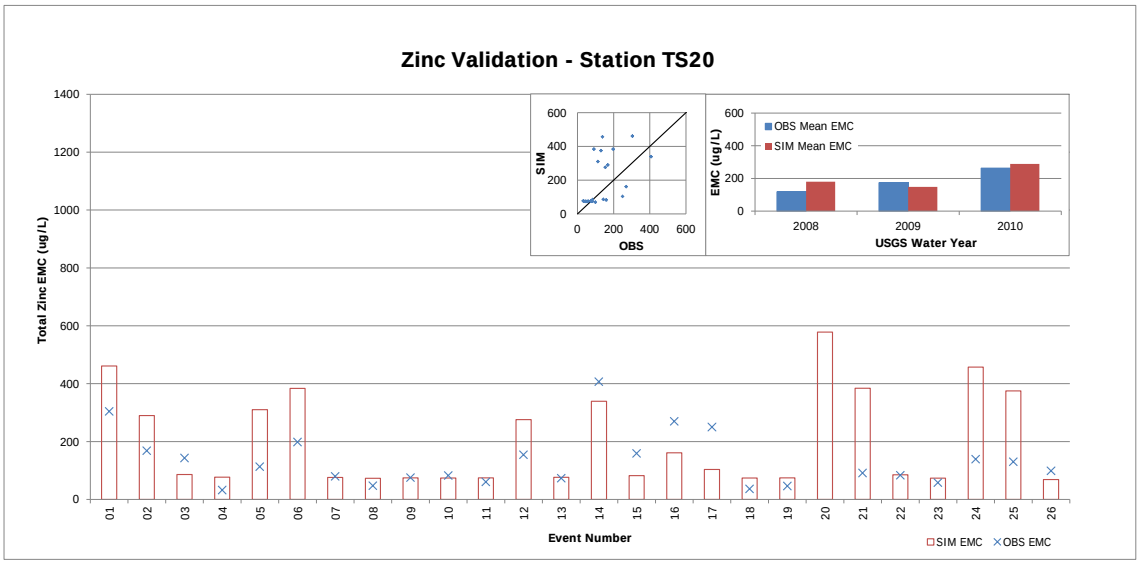

Lead Validation - Station TS21
Total Lead EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year

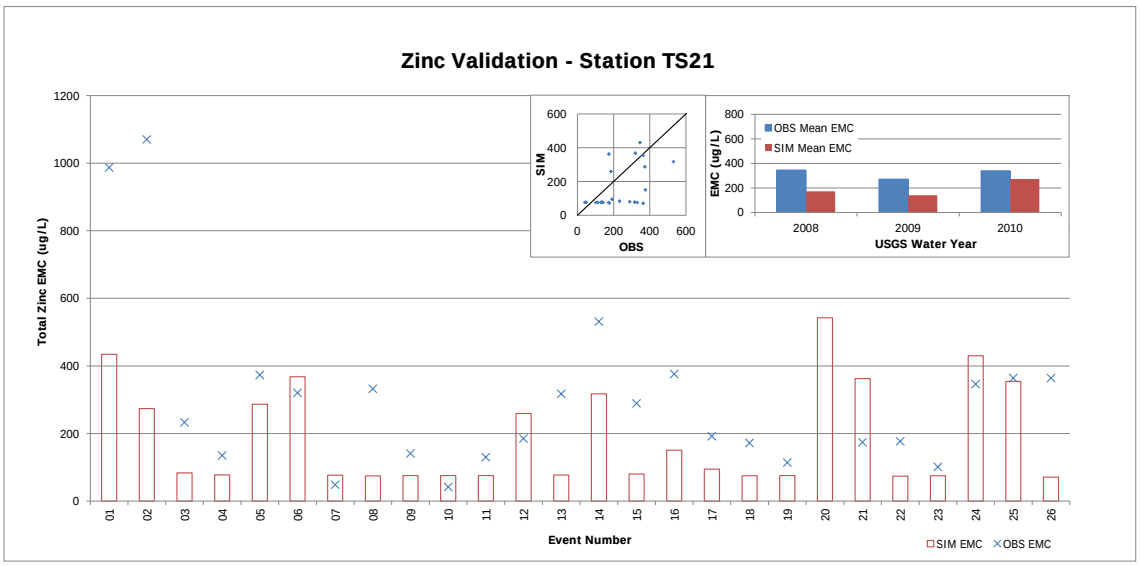

Lead Validation - Station TS22
Total Lead EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (ug/L)
USGS Water Year
2008
2009
2010

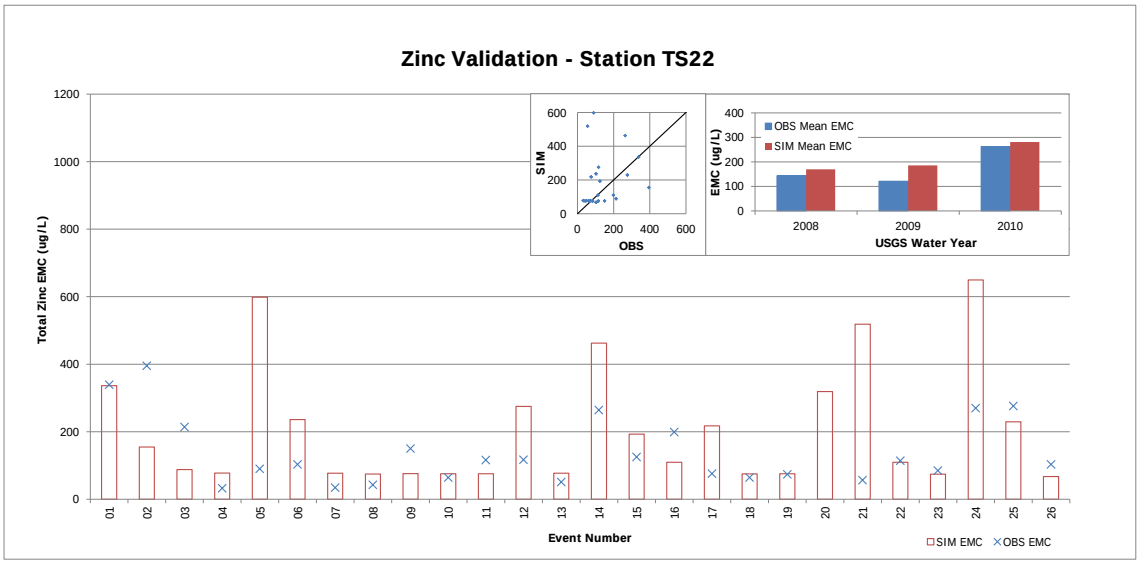

Lead Validation - Station TS23
Total Lead EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (ug/L)
USGS Water Year
2008
2009
2010

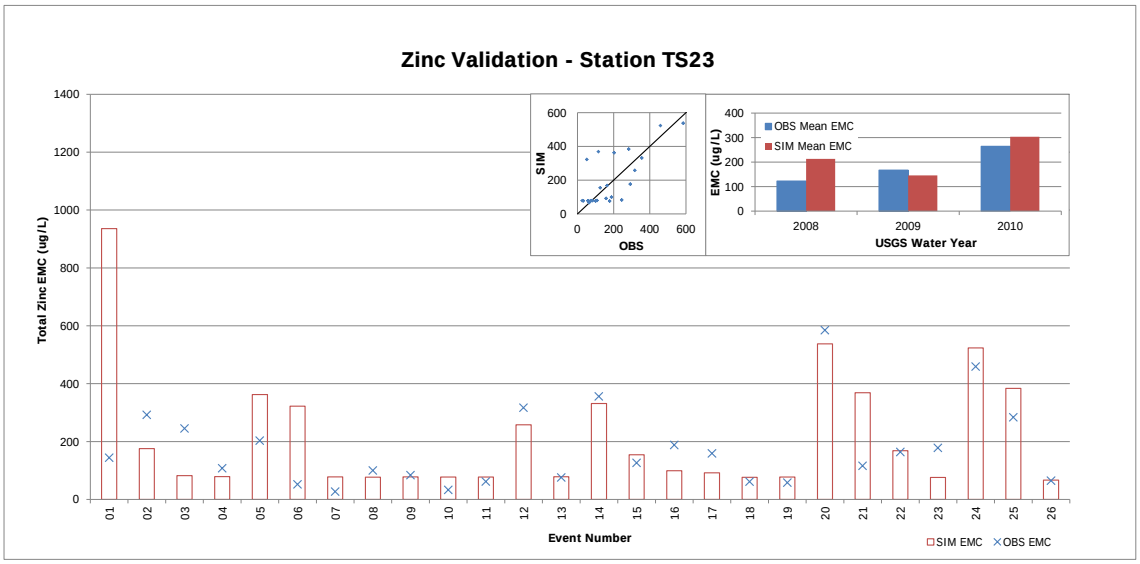

Lead Validation - Station TS24
Total Lead EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (ug/L)
USGS Water Year
2008
2009
2010

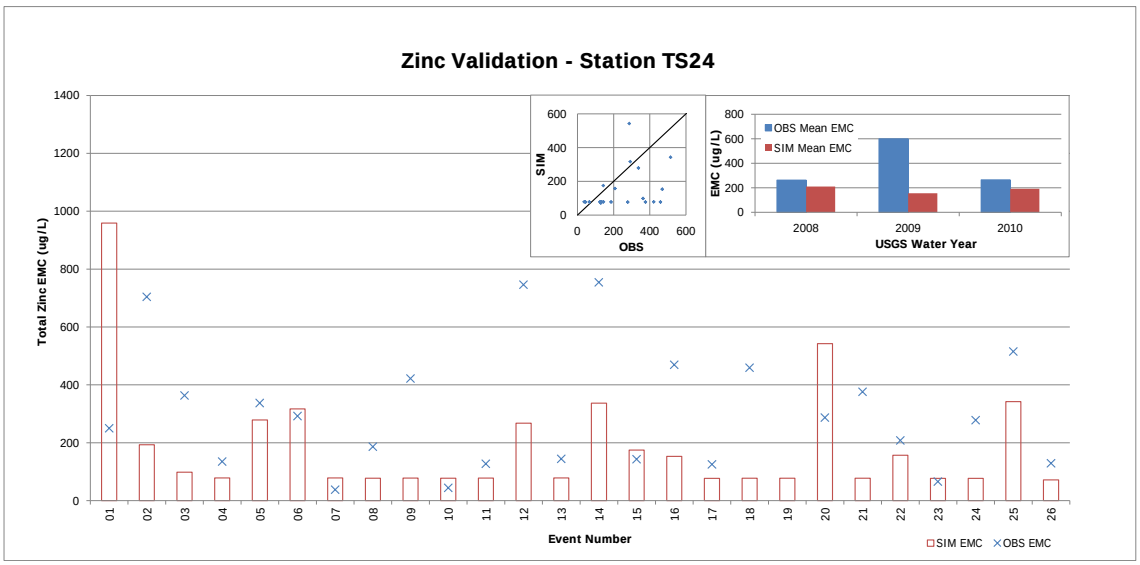

Zinc Validation - Station TS19
Total Zinc EMC (ug/L)
Event Number
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

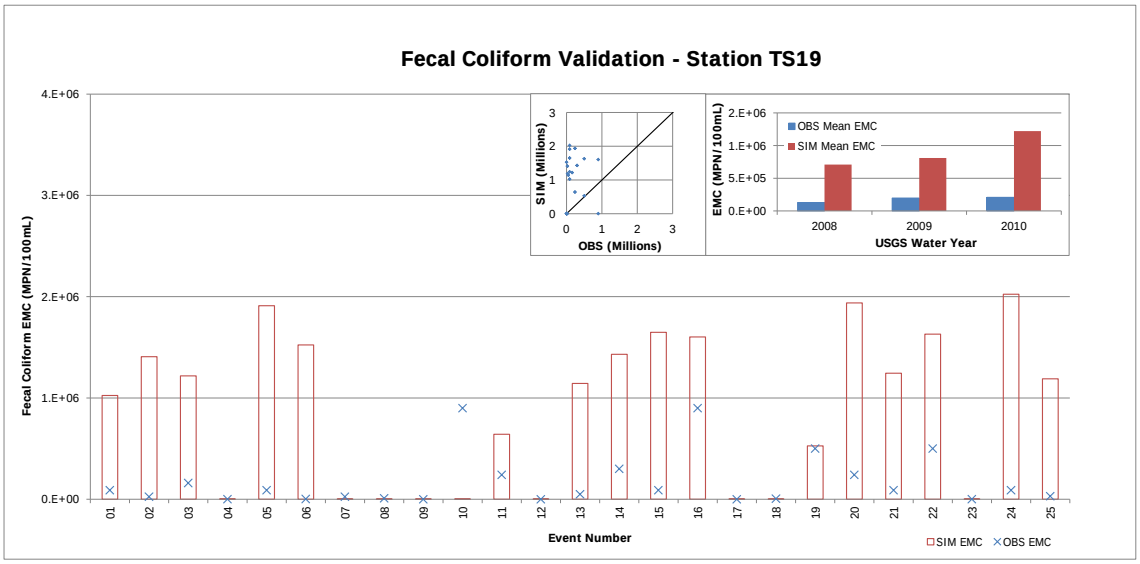

Zinc Validation - Station TS20
Total Zinc EMC (ug/L)
Event Number
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

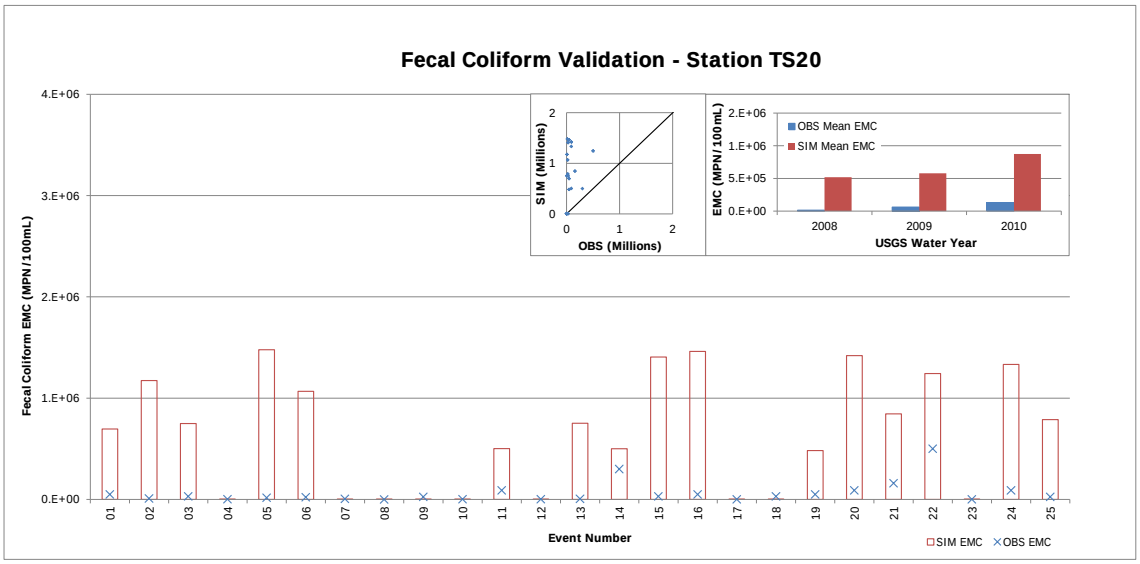

Zinc Validation - Station TS21
Total Zinc EMC (ug/L)
Event Number
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

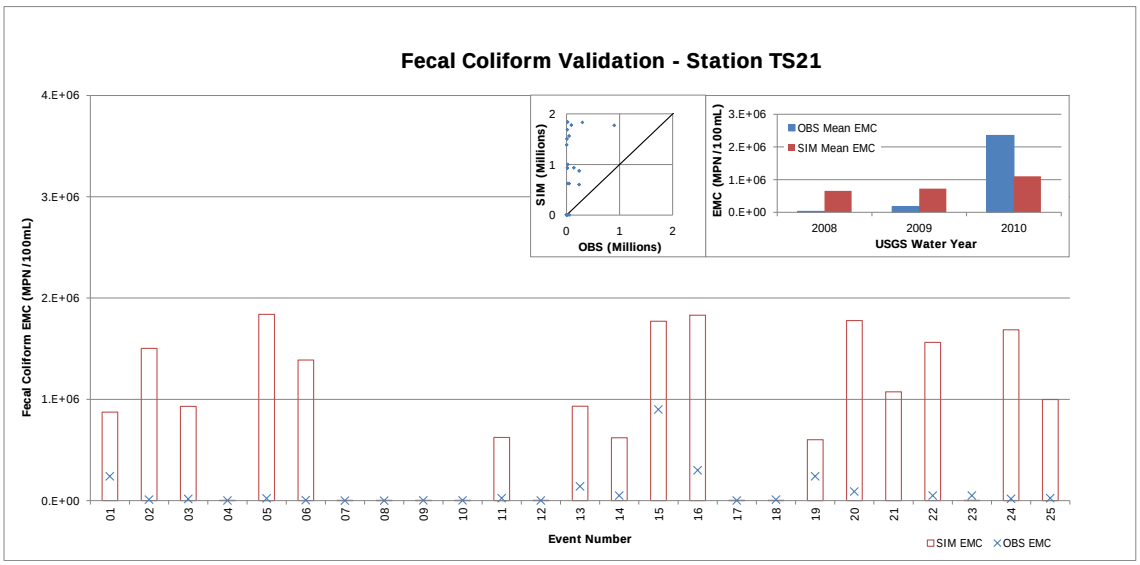

Zinc Validation - Station TS22
Total Zinc EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year
2008
2009
2010

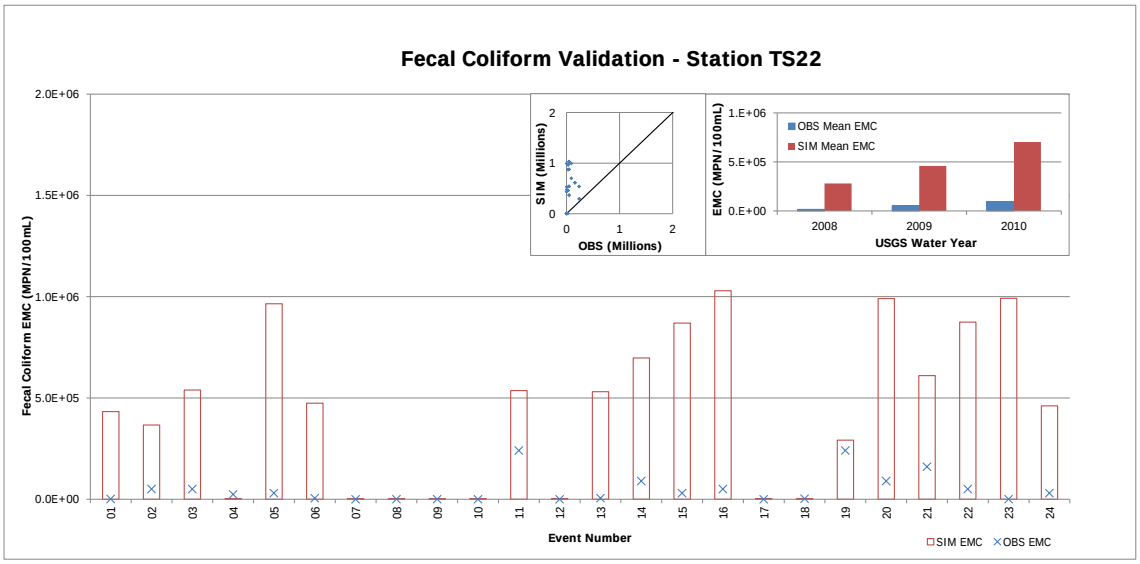

Zinc Validation - Station TS23
Total Zinc EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year
2008
2009
2010

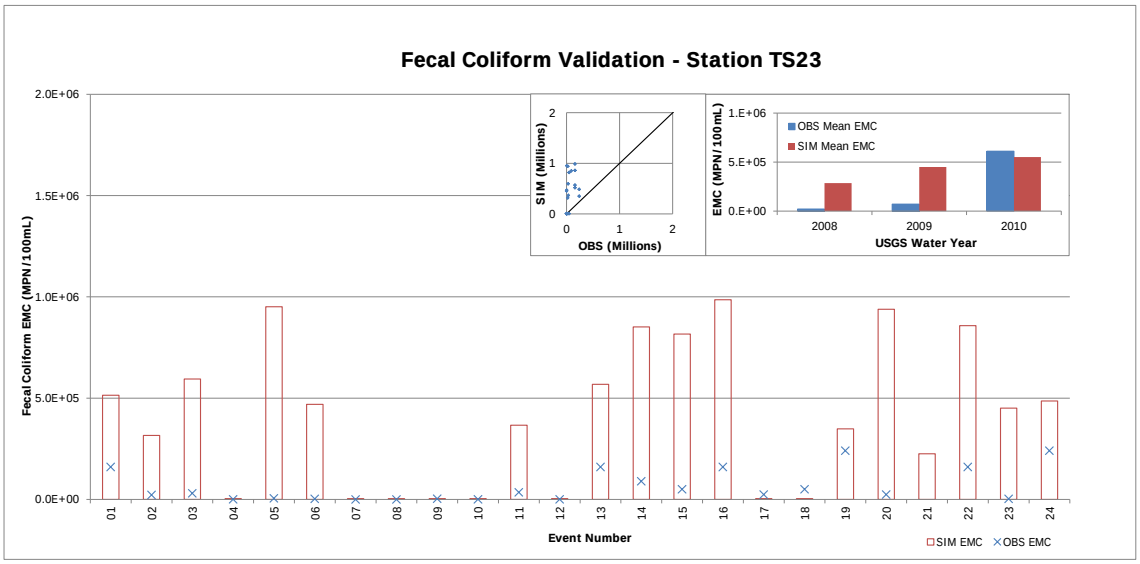

Zinc Validation - Station TS24
Total Zinc EMC (ug/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
EMC (ug/L)
OBS Mean EMC
SIM Mean EMC
USGS Water Year
2008
2009
2010

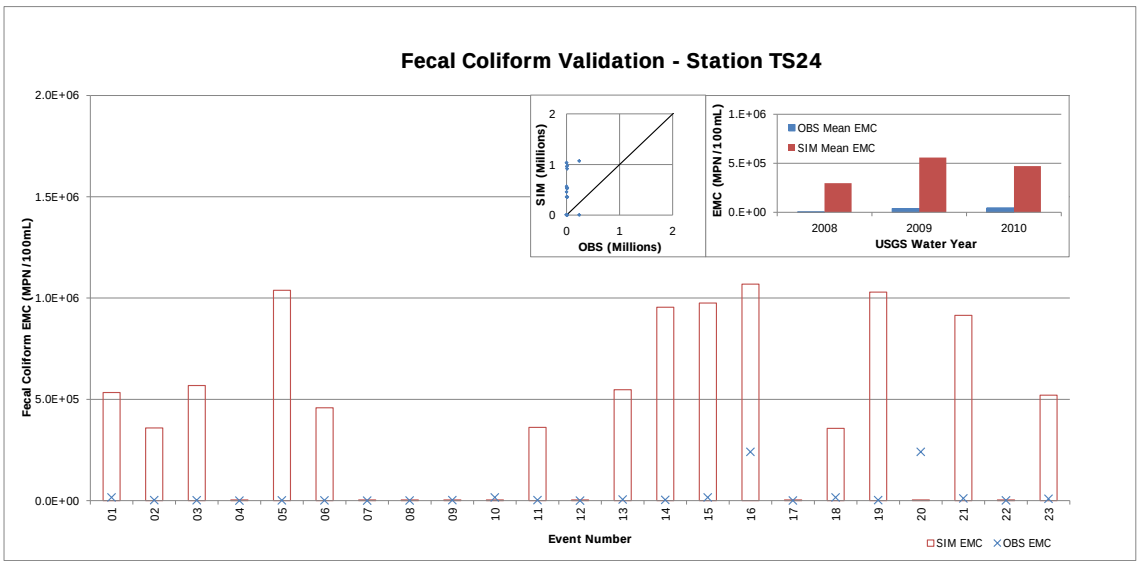

Fecal Coliform Validation - Station TS19
Fecal Coliform EMC (MPN/100mL)
4.E+06
3.E+06
2.E+06
1.E+06
0.E+00
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
Event Number
SIM EMC
OBS EMC
SIM (Millions)
OBS (Millions)
EMC (MPN/100mL)
2.E+06
1.E+06
5.E+05
0.E+00
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

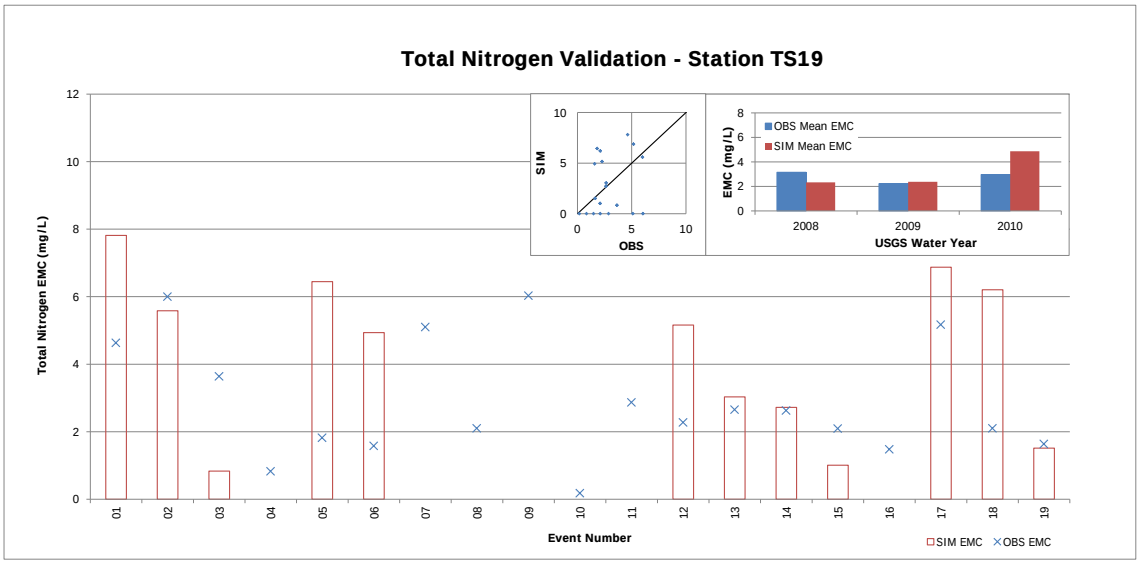

Fecal Coliform Validation - Station TS20
Fecal Coliform EMC (MPN/100mL)
4.E+06
3.E+06
2.E+06
1.E+06
0.E+00
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
Event Number
SIM EMC
OBS EMC
SIM (Millions)
OBS (Millions)
EMC (MPN/100mL)
2.E+06
1.E+06
5.E+05
0.E+00
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

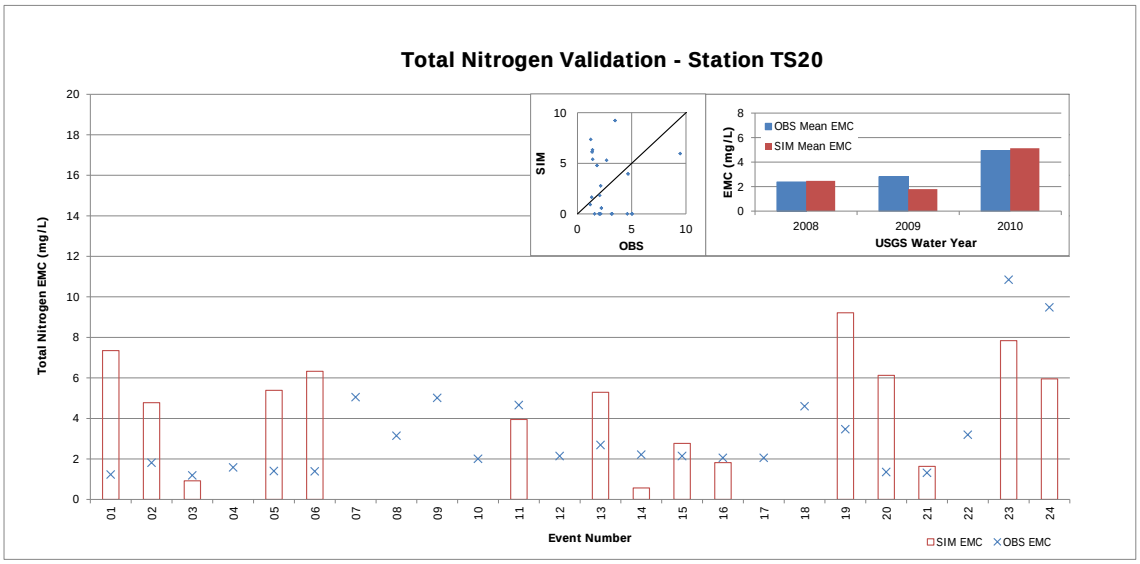

Fecal Coliform Validation - Station TS21
Fecal Coliform EMC (MPN/100mL)
4.E+06
3.E+06
2.E+06
1.E+06
0.E+00
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
Event Number
SIM EMC
OBS EMC
SIM (Millions)
OBS (Millions)
EMC (MPN/100mL)
3.E+06
2.E+06
1.E+06
0.E+00
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year

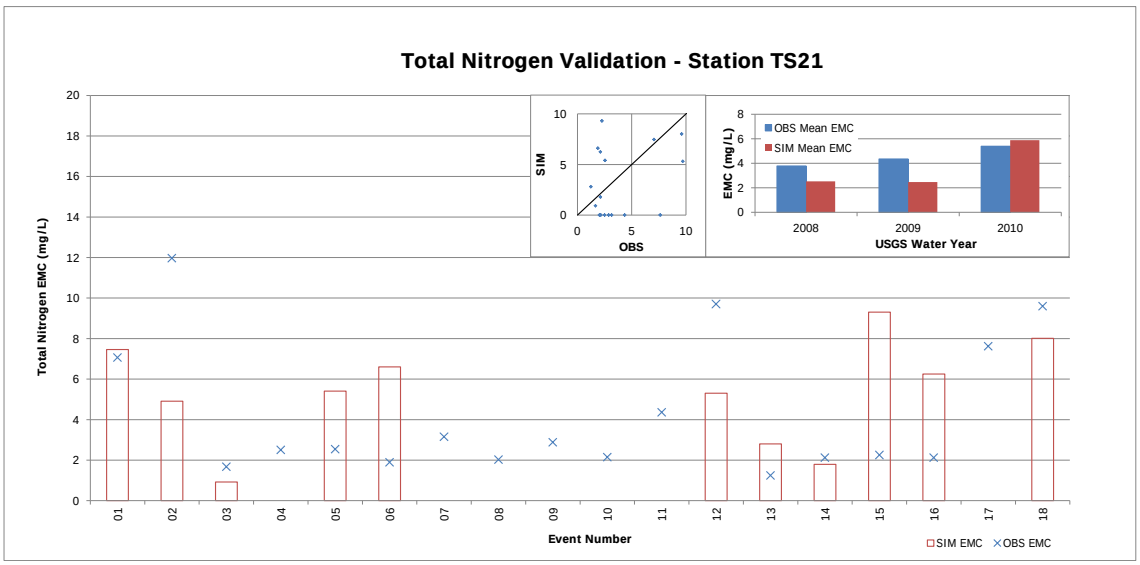

Fecal Coliform Validation - Station TS22
Fecal Coliform EMC (MPN/100mL)
2.0E+06
1.5E+06
1.0E+06
5.0E+05
0.0E+00
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Event Number
SIM EMC
OBS EMC
SIM (Millions)
OBS (Millions)
0 1 2
EMC (MPN/100mL)
1.E+06
5.E+05
0.E+00
OBS Mean EMC
SIM Mean EMC
2008 2009 2010
USGS Water Year

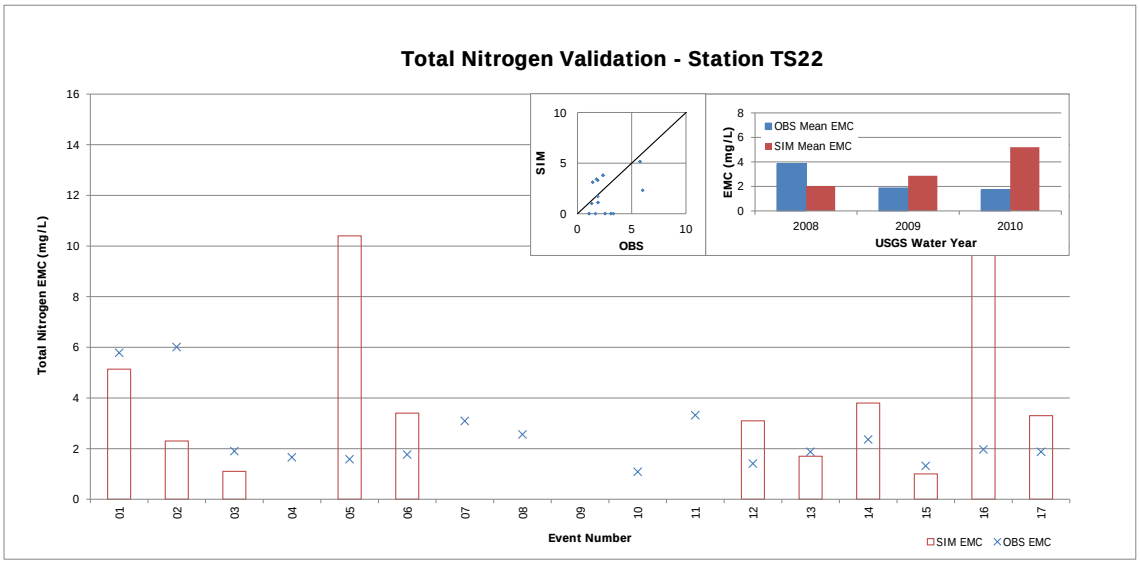

Fecal Coliform Validation - Station TS23
Fecal Coliform EMC (MPN/100mL)
2.0E+06
1.5E+06
1.0E+06
5.0E+05
0.0E+00
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Event Number
SIM EMC
OBS EMC
SIM (Millions)
OBS (Millions)
0 1 2
EMC (MPN/100mL)
1.E+06
5.E+05
0.E+00
OBS Mean EMC
SIM Mean EMC
2008 2009 2010
USGS Water Year

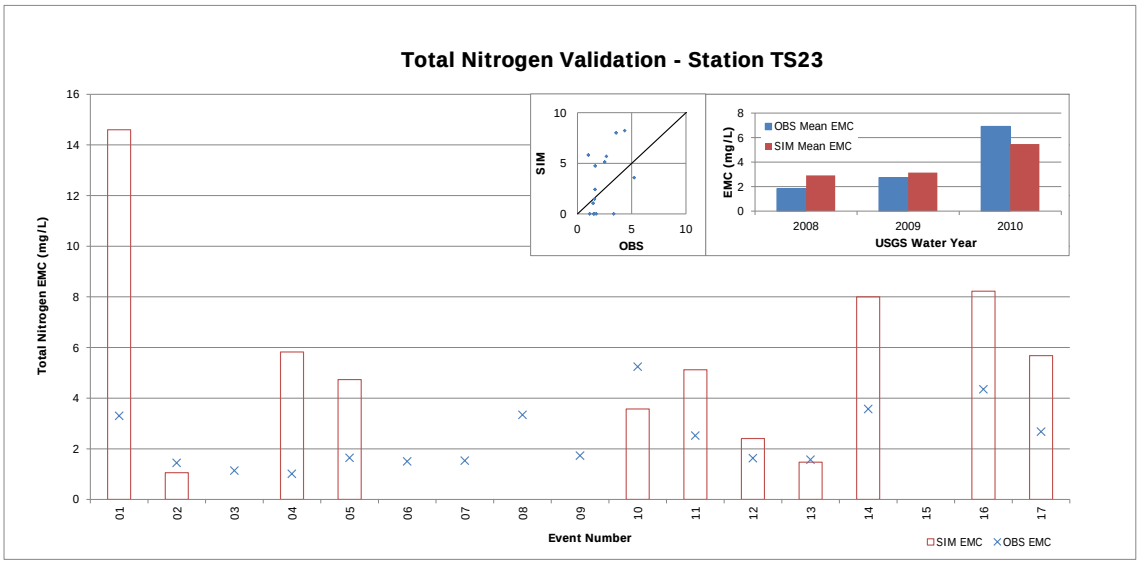

Fecal Coliform Validation - Station TS24
Fecal Coliform EMC (MPN/100mL)
2.0E+06
1.5E+06
1.0E+06
5.0E+05
0.0E+00
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Event Number
SIM EMC
OBS EMC
SIM (Millions)
OBS (Millions)
0 1 2
EMC (MPN/100mL)
1.E+06
5.E+05
0.E+00
OBS Mean EMC
SIM Mean EMC
2008 2009 2010
USGS Water Year

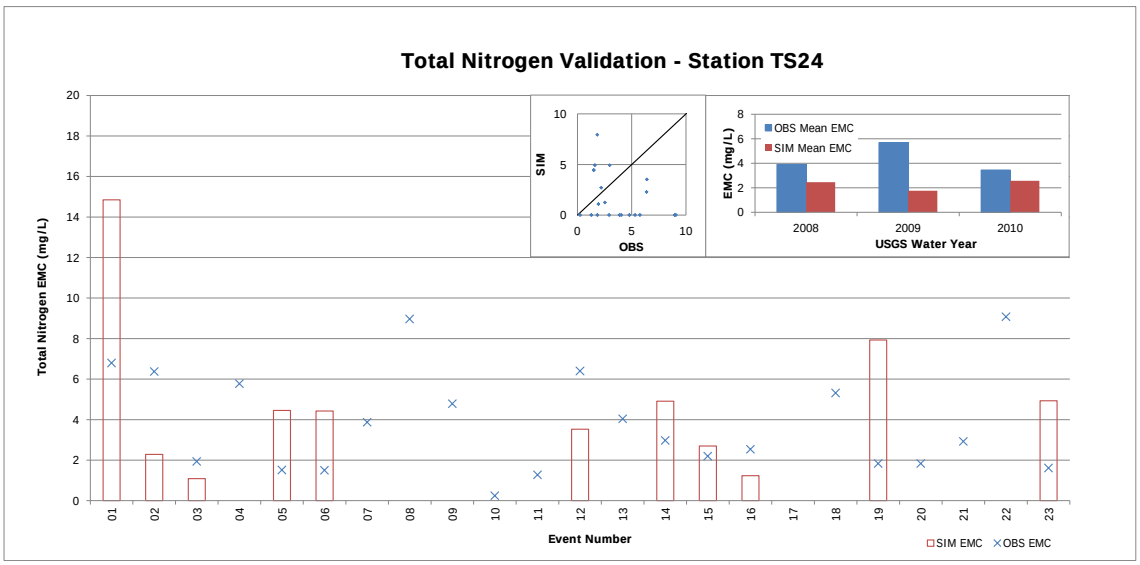

Total Nitrogen Validation - Station TS19
Total Nitrogen EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (mg/L)
2008
2009
2010
USGS Water Year

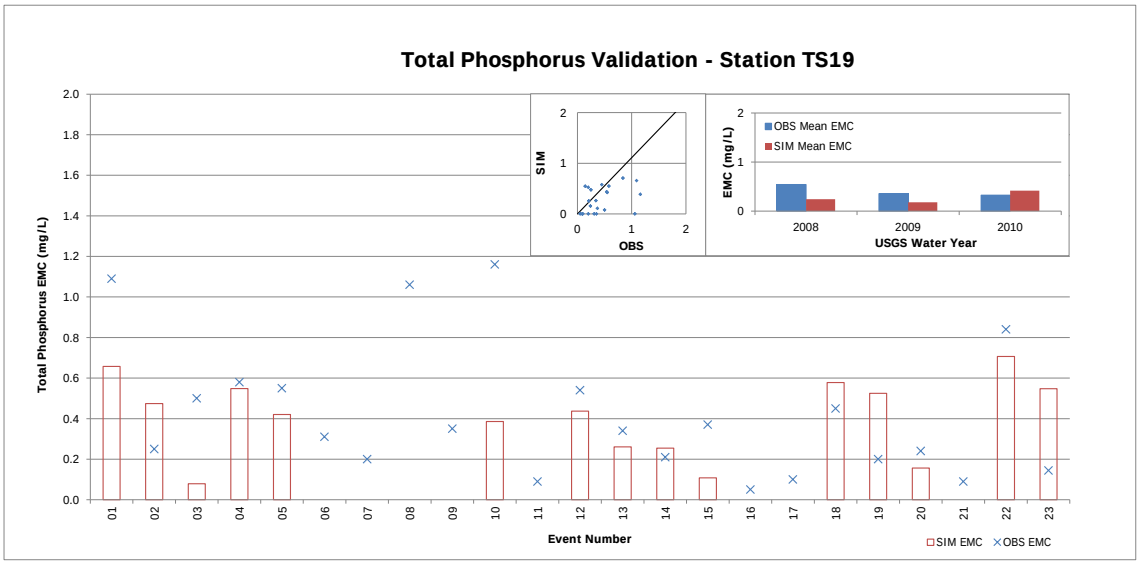

Total Nitrogen Validation - Station TS20
Total Nitrogen EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (mg/L)
2008
2009
2010
USGS Water Year

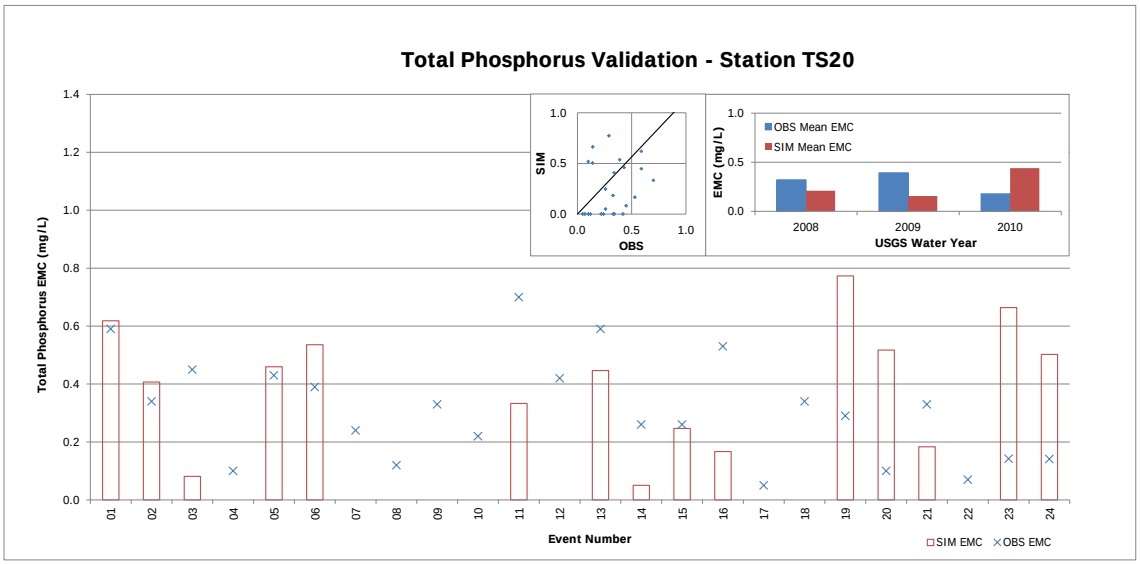

Total Nitrogen Validation - Station TS21
Total Nitrogen EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (mg/L)
2008
2009
2010
USGS Water Year

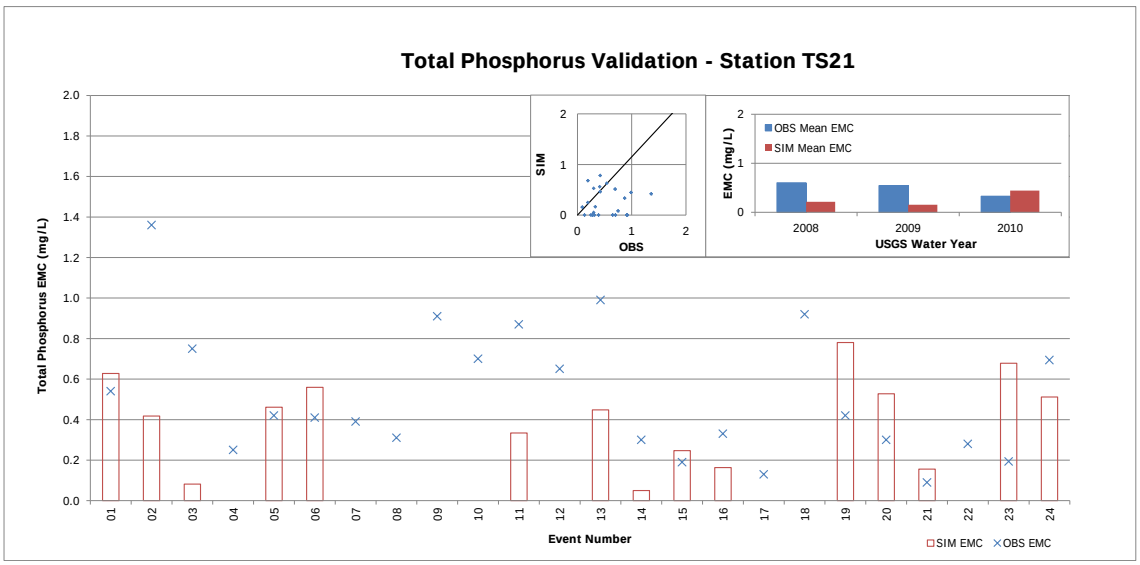

Total Nitrogen Validation - Station TS22
Total Nitrogen EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (mg/L)
USGS Water Year
2008
2009
2010

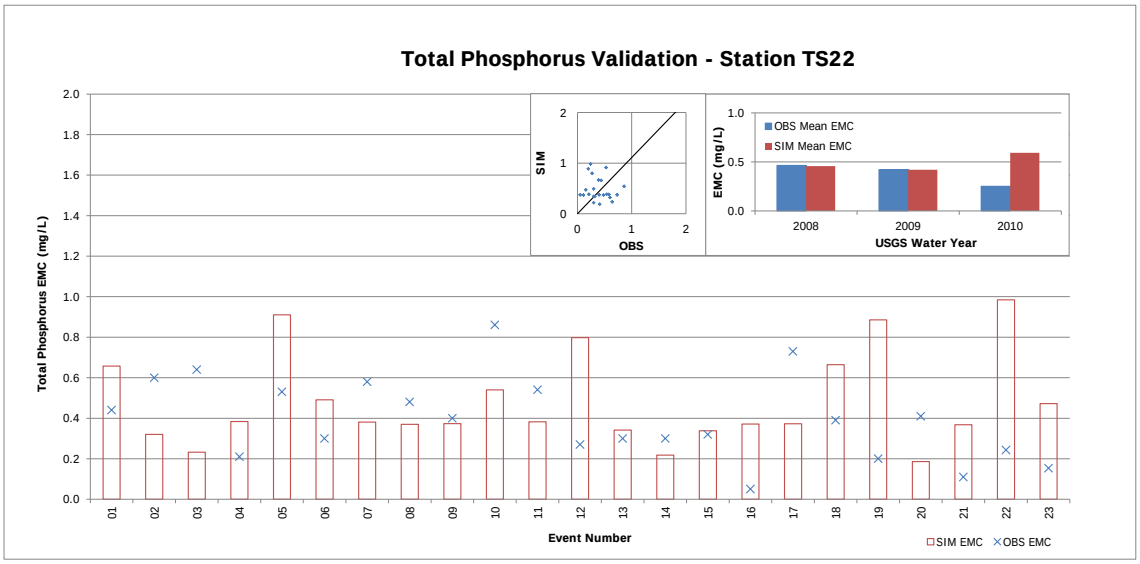

Total Nitrogen Validation - Station TS23
Total Nitrogen EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (mg/L)
USGS Water Year
2008
2009
2010

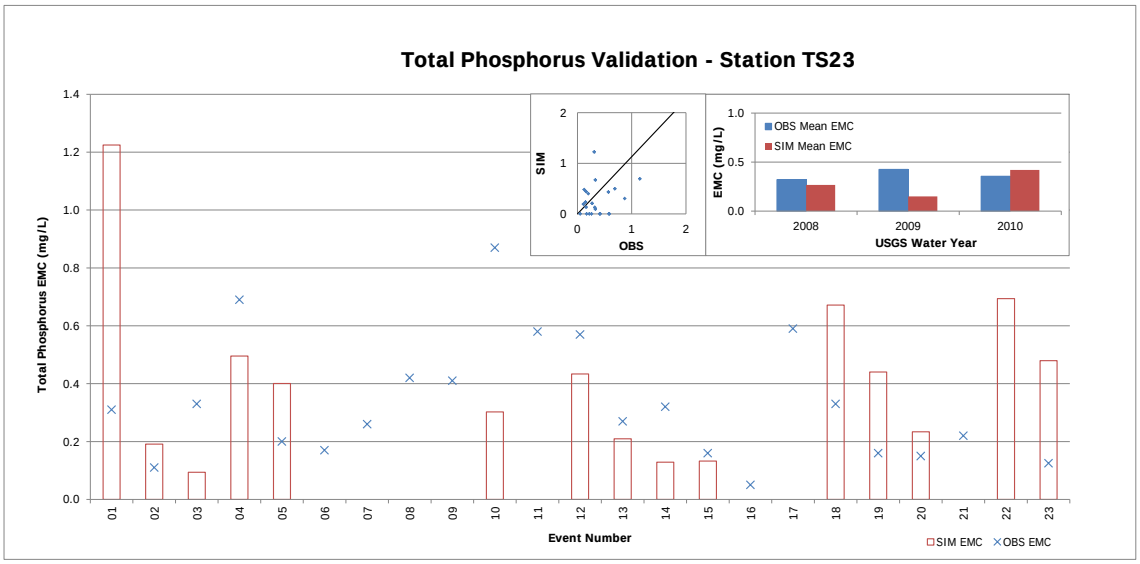

Total Nitrogen Validation - Station TS24
Total Nitrogen EMC (mg/L)
Event Number
SIM EMC
OBS EMC
SIM
OBS
OBS Mean EMC
SIM Mean EMC
EMC (mg/L)
USGS Water Year
2008
2009
2010

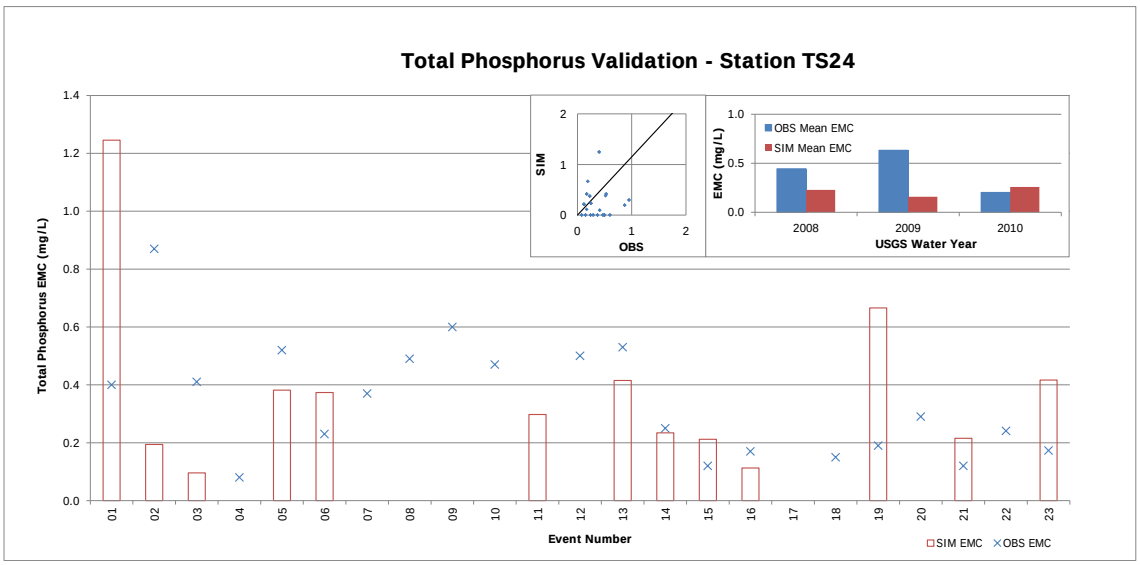

Total Phosphorus Validation - Station TS19
Total Phosphorus EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC


Total Phosphorus Validation - Station TS20
Total Phosphorus EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC


Total Phosphorus Validation - Station TS21
Total Phosphorus EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC


Total Phosphorus Validation - Station TS22
Total Phosphorus EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC


Total Phosphorus Validation - Station TS23
Total Phosphorus EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC


Total Phosphorus Validation - Station TS24
Total Phosphorus EMC (mg/L)
Event Number
SIM
OBS
EMC (mg/L)
OBS Mean EMC
SIM Mean EMC
2008
2009
2010
USGS Water Year
SIM EMC
OBS EMC

Attachment G

RAA Approach Figures

PAGE INTENTIONALLY LEFT BLANK

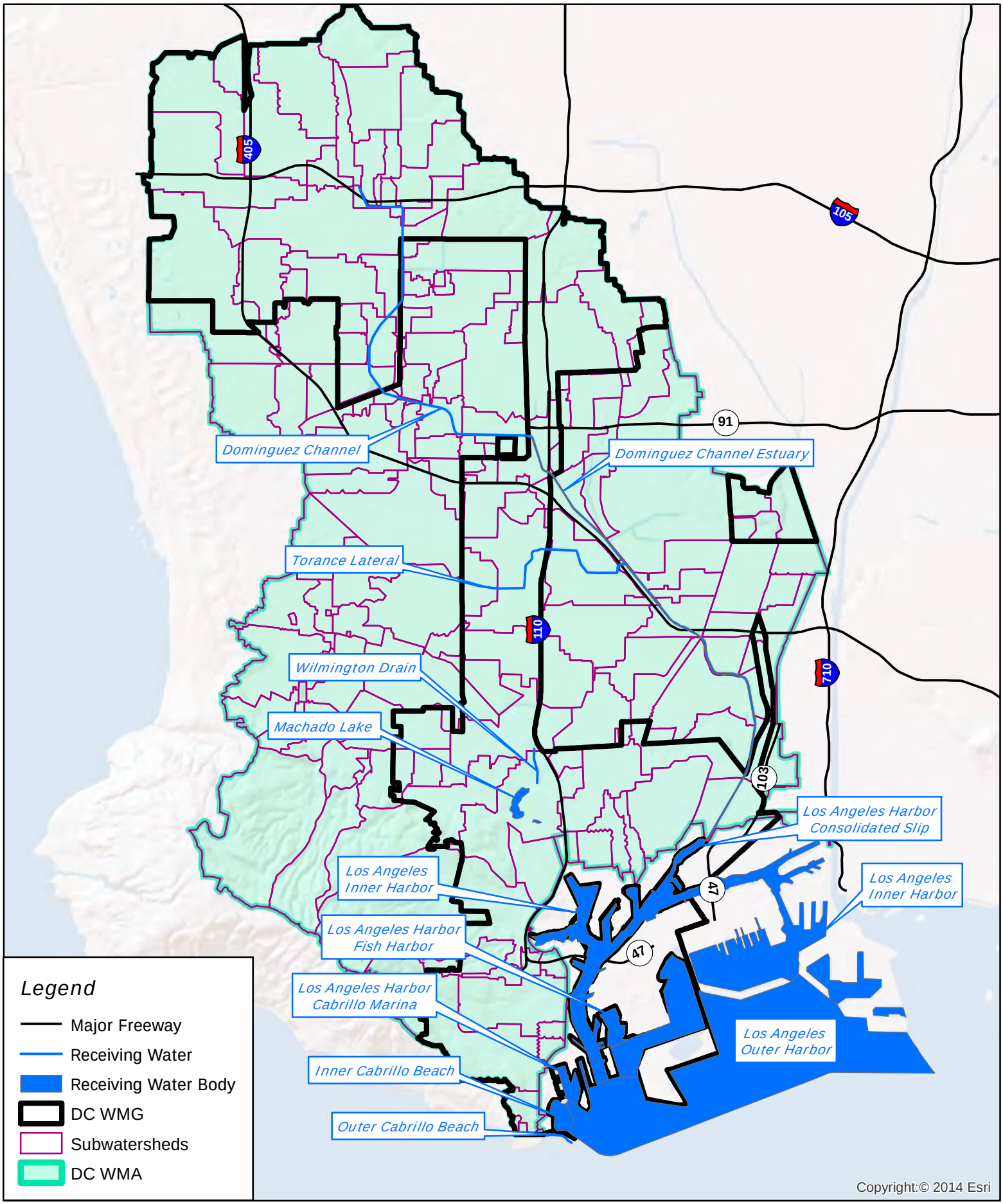


Figure G.1
Watersheds, Subwatersheds, and Water Bodies

PAGE INTENTIONALLY LEFT BLANK

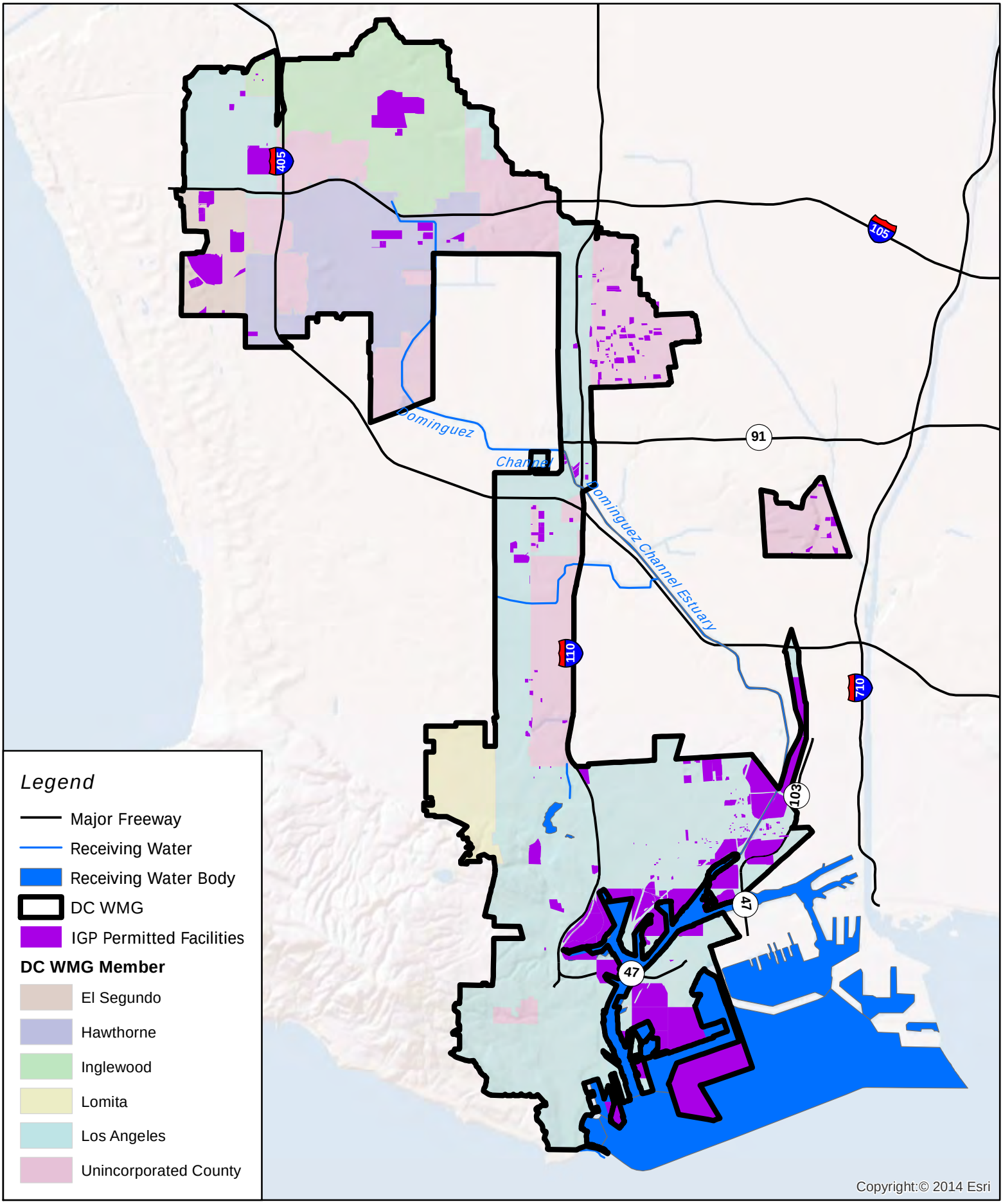


Figure G.2
Industrial Facilities under IGP in DC WMG

PAGE INTENTIONALLY LEFT BLANK

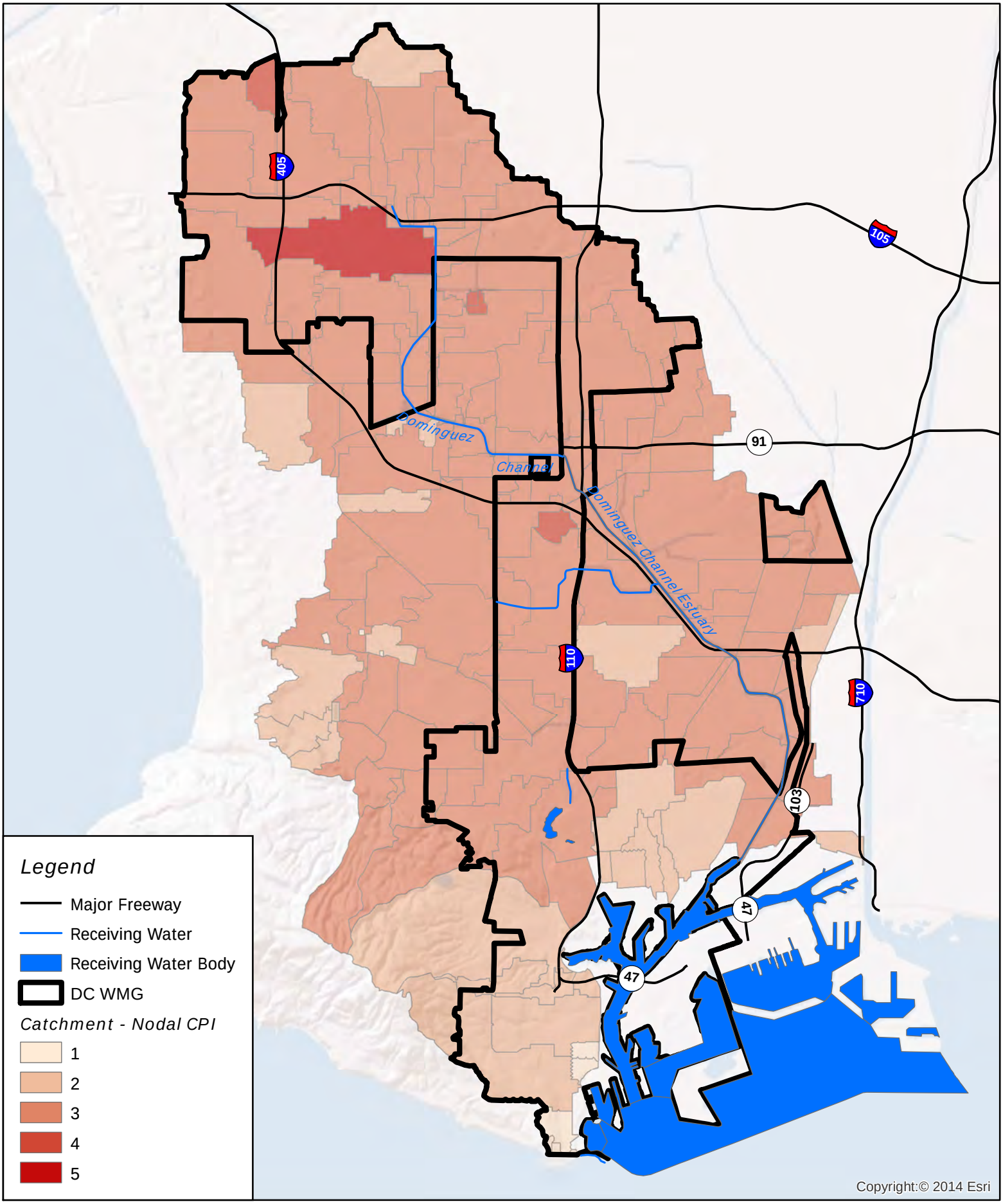
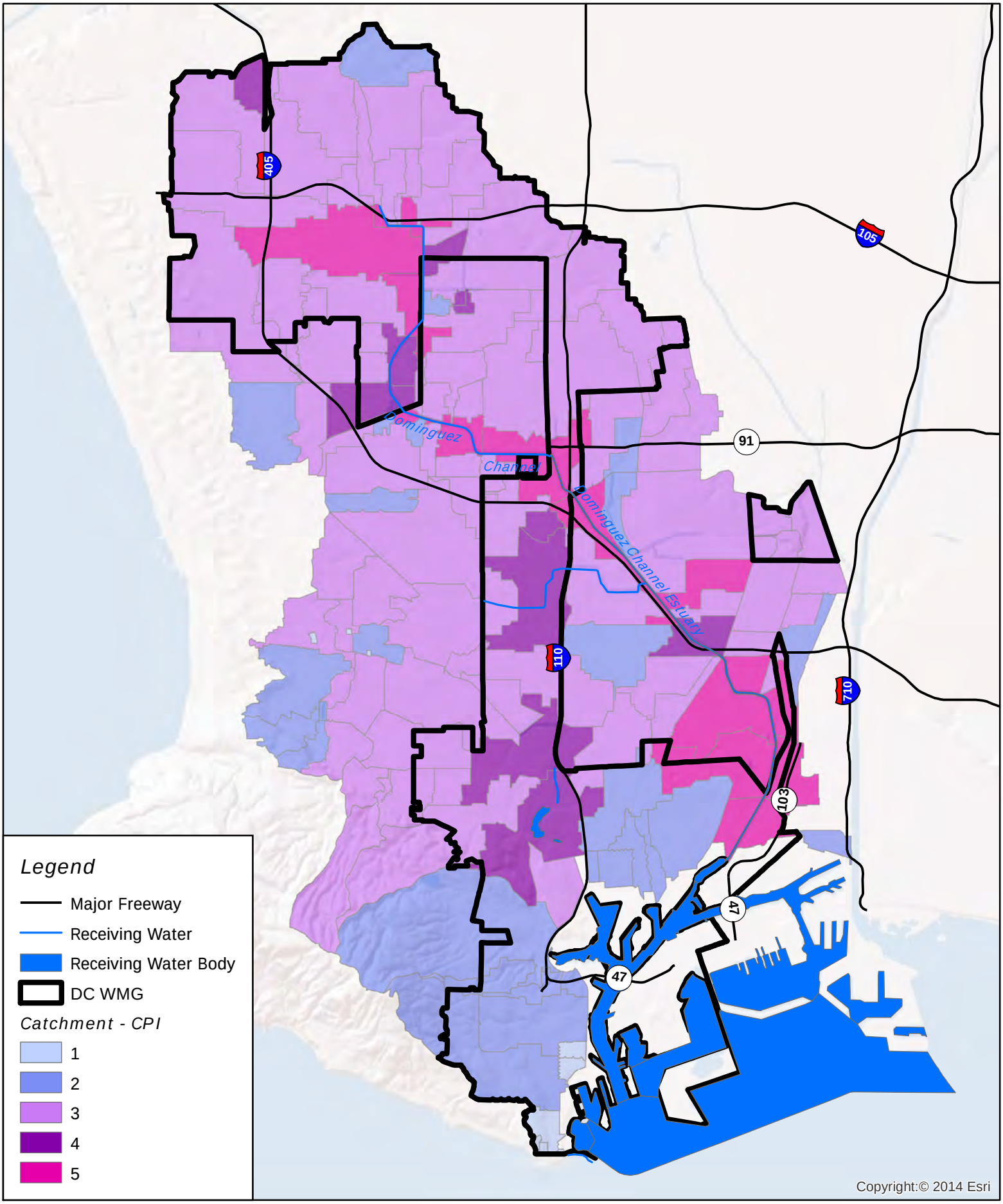


Figure G.3
Nodal CPI Map for Catchment Prioritization

PAGE INTENTIONALLY LEFT BLANK



N

0 0.5 1 2 Miles

Figure G.4
CPI Map for Catchment Prioritization

PAGE INTENTIONALLY LEFT BLANK

Attachment H

Industrial Facilities Covered Under the IGP in DC WMG

PAGE INTENTIONALLY LEFT BLANK

This attachment includes a table summarizing the industrial facilities covered under the Industrial General Permit (IGP) within the Dominguez Channel Watershed Management Group (DC WMG), corresponding with Section 4.3 of the DC WMG Enhanced Watershed Management Program (EWMP). The table corresponds with Figure G.2 in Attachment G. Note that the postal addresses may designate a city that is not part of the DC WMG. However, the physical location, based on GIS mapping of the facilities, places them in one of the DC MWG agencies jurisdictions.

PAGE INTENTIONALLY LEFT BLANK

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
188744	4 19I001069	3/25/1992	C Brite Metal Finishing Inc Joh	C Brite Co	1213 253rd St	Harbor City	City of Los Angeles	90710	7413006010
189722	4 19I007371	7/6/1993	Bryant Rubber Corp	Bryant Rubber Corp Steve Bryan	1112 Lomita Blvd	Harbor City	City of Los Angeles	90710	7413008018
190809	4 19I014945	2/11/1999	California Metals Recycling	CA Metals Recycling	1022 Lomita Blvd	Harbor City	City of Los Angeles	90710	7413017019
190226	4 19I011879	9/21/1995	Zachers Automotive Recycler	Zachers Automotive Recycler	25224 Vermont	Harbor City	City of Los Angeles	90710	7413020022
188939	4 19I002342	3/31/1992	Brea Canon Oil Co	Brea Canon Oil Co Joughin Facility	23903 Normandie	Harbor City	City of Los Angeles	90710	7438017013
323973	4 19I020849	4/27/2007	Plasticorp	Plasticorp	24105 24049 Frampton Ave	Harbor City	City of Los Angeles	90710	7439011037
370246	4 19I022300	8/31/2009	Plains Midstream Canada	Rancho LPG Holdings LLC	2110 N Gaffey St	San Pedro	City of Los Angeles	90731	7412026006
190642	4 19I014039	6/1/1998	Seaside Transportation Service	Marine Terminals Corp Yang Min	2050 John S Gibson Blvd # Bert	San Pedro	City of Los Angeles	90731	7440016911
188568	4 19I000231	3/2/1992	Yusen Terminal Inc	Yusen Terminal Inc	701 New Dock St	San Pedro	City of Los Angeles	90731	7440022911
433704	4 19I023989	12/27/2012	Catalina Express	Catalina Express	Berth 95	San Pedro	City of Los Angeles	90731	7440024911
189488	4 19I005178	4/8/1992	City of Los Angeles	Terminal Island WWTP	445 Ferry St	San Pedro	City of Los Angeles	90731	7440027914
190481	4 19I013131	6/25/1997	Eagle Marine Services Ltd	Eagle Marine Services Ltd	614 Terminal Way	San Pedro	City of Los Angeles	90731	7440028905
189709	4 19I007310	2/3/1993	US Coast Guard CO	US Coast Guard Support Ctr San Pedro	1001 S Seaside Ave	San Pedro	City of Los Angeles	90731	7440033903
191471	4 19I017765	1/21/2003	Southern California Ship Services	So Cal Ship Services	971 S Seaside Ave	San Pedro	City of Los Angeles	90731	7440033903
189857	4 19I009687	1/8/1993	Jankovich Co	Jankovich Co San Pedro Marine	Berth 74	San Pedro	City of Los Angeles	90731	7440034902
431612	4 19I023843	10/1/2012	SSA Marine	Outer Harbor Berths 54 and 55	Outer Harbor Berths 54 and 55	San Pedro	City of Los Angeles	90731	7440039910
191518	4 19I018069	4/8/2003	APM Terminals	APM Terminals	2500 Navy Way	San Pedro	City of Los Angeles	90731	7440042904
292961	4 19I019214	12/16/2004	BNSF Railway Company	Terminal Island	100 Navy Way	San Pedro	City of Los Angeles	90731	7440042904
189522	4 19I005602	12/20/2011	Defense Logistics Agency	US Defense Fuel Support Point	3171 N Gaffey St	San Pedro	City of Los Angeles	90731	7442001915
189308	4 19I004159	4/6/1992	Ciro Coppa	Coppa Woodworking	1231 Paraiso St	San Pedro	City of Los Angeles	90731	7445012047
331011	4 19I021125	9/5/2007	SA Recycling LLC	SA Recycling LLC dba SA Recycling of Los Angeles	901 New Dock St	Terminal Island	City of Los Angeles	90731	7440013907
422641	4 19I023444	12/15/2011	Progress Rail Services	United Industries Corp	710 Earle St	Terminal Island	City of Los Angeles	90731	7440029917
190173	4 19I011597	5/9/1995	Seaside Transportation Service	Evergreen Terminal	389 Terminal Wy	Terminal Island	City of Los Angeles	90731	7440029917
298504	4 19I020148	3/16/2006	Ardagh Metal Packaging USA Inc	Ardagh Metal Packaging USA Inc	936 Barracuda St	Terminal Island	City of Los Angeles	90731	7440029917
337275	4 19I021320	12/4/2007	General Petroleum Corporation	General Petroleum Corporation Terminal Island	1028 S Seaside Ave	Terminal Island	City of Los Angeles	90731	7440031906
340586	4 19I021437	2/6/2008	American Marine Corp	American Marine Corp	1500 S Barracuda St	Terminal Island	City of Los Angeles	90731	7440032905

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
410531	4 19I022958	12/27/2010	CA United Terminals	CA United Terminals	2525 Navy Wy	Terminal Island	City of Los Angeles	90731	7440042904
189105	4 19I003212	4/3/1992	California Cartage Co	CA Cartage Co	2401 E Pacific Coast Hwy	Wilmington	City of Los Angeles	90744	7315015905
332751	4 19I021192	10/4/2007	Tesoro Refining & Marketing Co	Tesoro Refining & Marketing Co	1930 Pacific Coast Hwy	Wilmington	City of Los Angeles	90744	7315017005
189766	4 19I009176	11/9/1992	GS Roofing dba CertainTeed RPG	GS Roofing dba CertainTeed RPG	1431 E	Wilmington	City of Los Angeles	90744	7412025009
188959	4 19I002397	3/31/1992	Brea Canon Oil Co	Brea Canon Oil Co South Torrance	630 Lomita	Wilmington	City of Los Angeles	90744	7414001902
190768	4 19I014799	12/5/1998	Honda and Toyota Auto Parts	Honda Toyota Auto Parts Dis	707 E Anaheim St	Wilmington	City of Los Angeles	90744	7416021035
190789	4 19I014881	12/31/1998	Car Aroma Supplies	Car Aroma Supplies	412 W Anaheim St	Wilmington	City of Los Angeles	90744	7416028004
347060	4 19I021624	6/18/2008	West Coast Aerospace Inc	West Coast Aerospace	220 W E St	Wilmington	City of Los Angeles	90744	7418005015
190153	4 19I011485	3/9/1995	Garcia Mario	C & G Auto Wrecking	516 Quay Ave	Wilmington	City of Los Angeles	90744	7418009023
347059	4 19I021625	6/18/2008	West Coast Aerospace Inc	West Coast Aerospace Inc	516 Marine St	Wilmington	City of Los Angeles	90744	7418015008
292925	4 19I018664	3/2/2004	Smart Recycling Inc	Smart Recycling Inc	424 426 N Fries Ave	Wilmington	City of Los Angeles	90744	7418015011
191519	4 19I018076	4/10/2003	Milans Honda	Milans Honda	225 E Harry Bridges Blvd	Wilmington	City of Los Angeles	90744	7418030015
337578	4 19I021327	12/5/2007	Marine Technical Services	Marine Technical Services	211 N Marine Ave	Wilmington	City of Los Angeles	90744	7418033907
188641	4 19I000538	3/16/1992	Wilmington Woodworks Inc	Wilmington Woodworks Inc	318 C St	Wilmington	City of Los Angeles	90744	7418034900
189939	4 19I010244	6/28/1993	Auto Recycling Wilmington I	Auto Recycling Wilmington I	418 E Anaheim St	Wilmington	City of Los Angeles	90744	7423015013
307626	4 19I020405	1/6/2014	Warren E and P Inc	Warren E and P Inc WTU	625 E Anaheim St	Wilmington	City of Los Angeles	90744	7423024032
293435	4 19I019979	12/19/2005	Royal Adhesives & Sealants LLC	Royal Adhesives & Sealants LLC	800 E Anaheim St	Wilmington	City of Los Angeles	90744	7424011056
431152	4 19I023817	9/14/2012	Potential Industries	Potential Industries	922 East E St	Wilmington	City of Los Angeles	90744	7424017043
425346	4 19I023570	3/20/2012	Shokri Sayegh	Nu Way Auto Dismantling Inc	1022 E Anaheim St	Wilmington	City of Los Angeles	90744	7424021006
370632	4 19I022314	9/9/2009	Ford Only Inc	Ford Only Inc	728 N Sanford Ave	Wilmington	City of Los Angeles	90744	7424021012
307192	4 19I020391	8/3/2006	Adrian Orozco	Motor Sport Auto Body	734 N Flint Ave	Wilmington	City of Los Angeles	90744	7424022008
190912	4 19I015333	8/12/1999	Quintanilla Maria	Mid Auto Dismantler & Sales	725 Watson Ave	Wilmington	City of Los Angeles	90744	7424023012
191313	4 19I017067	2/6/2002	Gil Perez	M G Auto Dismantlers	711 Watson Ave	Wilmington	City of Los Angeles	90744	7424023014
191420	4 19I017505	9/25/2002	Garcias Auto Sales & Dismantling Inc	Garcias Auto Dismantling	640 Flint Ave	Wilmington	City of Los Angeles	90744	7424024038
190299	4 19I012295	5/9/1996	Mikes Foreign Auto Parts	Mikes Foreign Auto Parts	921 E Anaheim St	Wilmington	City of Los Angeles	90744	7425011018
189482	4 19I005131	4/7/1992	Pick Your Partners Auto Wrecking	Pick Your Part Help Yourself	1232 Blinn Ave	Wilmington	City of Los Angeles	90744	7425026002
189087	4 19I003067	4/2/1992	Jacks Foreign Auto Wrecking	Jacks Foreign Auto Wrecking	1019 E Anaheim St	Wilmington	City of Los Angeles	90744	7425037015

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
440599	4 19I024417	8/19/2013	Davilas Enterprise LLC	4 Wheel Dismantling	1034 Cristobal Ave	Wilmington	City of Los Angeles	90744	7425042009
366197	4 19I022175	6/3/2009	Howdy Auto Dismantler Inc	Howdy Auto Dismantler	1018 Alameda St	Wilmington	City of Los Angeles	90744	7425042021
190157	4 19I011502	3/14/1995	Liberty Auto Sales & Dismantling	Liberty Auto Sales & Dismantling	1542 E Opp St	Wilmington	City of Los Angeles	90744	7425043024
190269	4 19I012137	2/7/1996	Japanese Truck Dismantling	Japanese Truck Dismantling	940 Alameda St	Wilmington	City of Los Angeles	90744	7425043045
190840	4 19I015054	4/8/1999	Blanco Engine Core	Blanco Engine Core	925 Henry Ford	Wilmington	City of Los Angeles	90744	7425043050
442792	4 19I024557	11/14/2013	Roland A Molina	Blanco Auto Wrecking and Repair	925 N Henry Ford Ave	Wilmington	City of Los Angeles	90744	7425043050
191013	4 19I015737	4/12/2000	Juan Cerna	4 Stars Auto Dismantler Sales	921 N Henry Ford Ave	Wilmington	City of Los Angeles	90744	7425043055
435549	4 19I024124	3/5/2013	Commercial Truck Used Parts	Commercial Truck Used Parts	1523 East I Street	Wilmington	City of Los Angeles	90744	7425043057
189443	4 19I004915	4/7/1992	International Cargo Equipment	International Cargo Equipment	1540 Eubank Ave	Wilmington	City of Los Angeles	90744	7426001013
189114	4 19I003269	4/3/1992	Norwalk Industries Co	Ecology Auto Wrecking	1000 Lomita	Wilmington	City of Los Angeles	90744	7426001014
190462	4 19I012997	3/19/1997	BNSF Railway Co	BNSF Railway Watson	1302 Lomita	Wilmington	City of Los Angeles	90744	7426001808
315179	4 19I020571	11/27/2006	Martin Container Inc	Martin Container Inc	1402 E Lomita Blvd	Wilmington	City of Los Angeles	90744	7426006001
189430	4 19I004876	4/7/1992	AMC Auto Salvage	AMC Auto Salvage	1310 E Lomita Blvd	Wilmington	City of Los Angeles	90744	7426006016
189484	4 19I005133	4/7/1992	Pick Your Partners Auto Wrecking	Pick Your Part	1903 Blinn Ave	Wilmington	City of Los Angeles	90744	7426007001
324019	4 19I020852	4/27/2007	Estes Express West	GI Trucking Co dba Estes West	1531 Blinn Ave	Wilmington	City of Los Angeles	90744	7426007002
189167	4 19I003490	4/3/1992	Ace High Truck	Ace High Truck	1305 Sandison	Wilmington	City of Los Angeles	90744	7426008034
410443	4 19I022956	12/23/2010	Ruben Chavez	West Coast Dismantlers	1523 E Sandison St	Wilmington	City of Los Angeles	90744	7426024038
442369	4 19I024542	10/28/2013	Maria Leticia Urias Alfonso Urias Alfonso Hijinio Urias Junior	Tex Auto Wrecking	1549 East Sandison Street	Wilmington	City of Los Angeles	90744	7426024043
293027	4 19I019352	3/16/2005	Juniors Auto Parts	Juniors Auto Parts	1535 E Sandison St	Wilmington	City of Los Angeles	90744	7426024054
191190	4 19I016559	6/5/2001	Valero Refining Co California	Valero Refining Co CA	1651 Alameda St	Wilmington	City of Los Angeles	90744	7426028005
190946	4 19I015482	11/9/1999	Paramount Forge Inc	Paramount Forge Inc	1721 E Colon St	Wilmington	City of Los Angeles	90744	7426031023
189238	4 19I003787	4/3/1992	Action Sales & Metal Co	Action Sales & Metal Co	1625 E Pacific Coast Hwy	Wilmington	City of Los Angeles	90744	7426033030
345563	4 19I021575	5/27/2008	New Bone Inc DBA Boneyard Auto Parts	New Bone Inc DBA Boneyard Auto Parts	1807 E M St	Wilmington	City of Los Angeles	90744	7428002009
191050	4 19I015957	7/19/2000	Wilmington Auto Wrecking	Wilmington Auto Wrecking	1817 M	Wilmington	City of Los Angeles	90744	7428002012
365982	4 19I022166	5/29/2009	Tonys Vette Inc	Tonys Vette Inc	1818 E Mauretania St	Wilmington	City of Los Angeles	90744	7428002026
191613	4 19I018414	10/16/2003	Martinez Engine Cores	Martinez Engine Cores	1814 E Mauretania St	Wilmington	City of Los Angeles	90744	7428002027
426005	4 19I023594	4/10/2012	Elvira Mercedes Lezama Ruiz	CL Auto Parts & Dismantling	1714 E Mauretania St	Wilmington	City of Los Angeles	90744	7428002031
190970	4 19I015579	1/12/2000	Lincoln Iron & Metals	Lincoln Iron & Metals	1262 Alameda St	Wilmington	City of Los Angeles	90744	7428002037
189244	4 19I003826	4/3/1992	Alco Truck & Auto Inc	Alco Truck & Van Parts	1230 Alameda St	Wilmington	City of Los Angeles	90744	7428003003

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
426874	4 19I023621	5/7/2012	Recycling Unlimited Metal Co	Recycling Unlimited Metal Co	1813 E Robidoux St	Wilmington	City of Los Angeles	90744	7428003015
428728	4 19I023699	7/2/2012	Wilmington Recycling Group LLC	Wilmington Recycling Group LLC	1248 Alameda St	Wilmington	City of Los Angeles	90744	7428003048
191263	4 19I016818	9/25/2001	Moine Charles A	Wilmington Recyclers	1120 Henry Ford	Wilmington	City of Los Angeles	90744	7428005025
189495	4 19I005229	4/9/1992	Savage Industries Inc	Savage Industries Inc	1635 E Denni St	Wilmington	City of Los Angeles	90744	7428005028
303010	4 19I020236	5/30/2006	Clean Harbors Wilmington LLC	Clean Harbors Wilmington LLC	1737 E Denni St	Wilmington	City of Los Angeles	90744	7428006006
326777	4 19I020937	6/20/2007	Tesoro Refining and Marketing Company LLC	Tesoro Los Angeles Refinery	2101 E Pacific Coast Highway	Wilmington	City of Los Angeles	90744	7428007009
189047	4 19I002849	4/2/1992	VOPAK Terminal Los Angeles Inc	Vopak Terminal Los Angeles Inld	2200 Pacific Coast	Wilmington	City of Los Angeles	90744	7428007009
190640	4 19I014013	5/21/1998	Penzoil Quaker State Co SOPUS Products	Sopus Prod LA Lubes Plant	1926 E Pacific Coast Hwy	Wilmington	City of Los Angeles	90744	7428007010
188733	4 19I001017	3/23/1992	Praxair Inc	Praxair Inc	2300 E Pacific Coast Hwy	Wilmington	City of Los Angeles	90744	7428008905
190102	4 19I011272	11/22/1994	Apple Auto Dismantling Inc	Apple Auto Dismantling	2701 Anaheim	Wilmington	City of Los Angeles	90744	7428014029
191317	4 19I017082	2/6/2002	Rugerio Moises	Chicos Auto Wrecking	905 Farragut Ave	Wilmington	City of Los Angeles	90744	7428015030
191614	4 19I018415	10/16/2003	B & R Auto Dismantling	B & R Auto Dismantling	902 Foote Ave	Wilmington	City of Los Angeles	90744	7428017940
191154	4 19I016406	3/16/2001	AJC Sandblasting Inc	AJC Sandblasting Inc	932 Schley	Wilmington	City of Los Angeles	90744	7428019064
358274	4 19I021964	12/19/2008	Astro Auto Wrecking	Astro Auto Wrecking	1002 Schley Ave	Wilmington	City of Los Angeles	90744	7428019066
190453	4 19I012926	2/20/1997	Guadalupe Rivas	Lupes Auto Sales & Dismantling	918 Schley	Wilmington	City of Los Angeles	90744	7428019092
191194	4 19I016573	6/11/2001	Pacific Auto Dismantler LLC LRP	Pacific Auto Dismantler	2423 E Anaheim St	Wilmington	City of Los Angeles	90744	7428020023
190354	4 19I012541	9/6/1996	M & R Auto Sales	M & R Auto Sales	820 Macdonough Ave	Wilmington	City of Los Angeles	90744	7428020029
191002	4 19I015698	3/23/2000	Olmedos Auto Sales Dismantler	Olmedos Auto Sales Dismantler	828 Macdonough Ave	Wilmington	City of Los Angeles	90744	7428020029
191040	4 19I015917	7/6/2000	Barillas Nicolas	Nicks Auto Wrecking	2211 E Anaheim St	Wilmington	City of Los Angeles	90744	7428021049
439672	4 19I024363	7/16/2013	Anoosh Dayani	Harbor Auto LLC	2223 E Anaheim Street	Wilmington	City of Los Angeles	90744	7428021050
188667	4 19I000668	1/12/1993	HJ Baker & Bro Inc	H J Baker & Bro Inc	1001 Schley Ave	Wilmington	City of Los Angeles	90744	7428022903
306858	4 19I020378	7/27/2006	Warren E & P Inc	Warren E & P Inc	2209 E I St	Wilmington	City of Los Angeles	90744	7428023050
409668	4 19I022930	12/3/2010	Rafael Ruiz Sanchez	Sanchez Auto Service Dismantling	2113 E I St	Wilmington	City of Los Angeles	90744	7428024001
429198	4 19I023724	7/17/2012	G M B Auto Sales & Dismantling	G M B Auto Sales & Dismantling	1008 Vreeland Ave	Wilmington	City of Los Angeles	90744	7428030005
189424	4 19I004763	4/7/1992	Vanderwerff Chip	Alle Auto Wrecking	1710 E Opp St	Wilmington	City of Los Angeles	90744	7428033042
412771	4 19I023050	3/7/2011	Luis Castro and Pablo Rene Cruz	Element Auto Dismantling	1800 E Opp St	Wilmington	City of Los Angeles	90744	7428034020
411829	4 19I023015	2/9/2011	Shoreline Auto Wrecking	Shoreline Auto Wrecking	911 S Vreeland Ave	Wilmington	City of Los Angeles	90744	7428034031
432146	4 19I023876	10/19/2012	Titos Auto Dismantling and Used	Titos Auto Dismantling and Used	1801 East I Street	Wilmington	City of Los Angeles	90744	7428034036
190162	4 19I011535	4/6/1995	Medrano George	George S Body Shop Auto Sales	927 Vreeland Ave	Wilmington	City of Los Angeles	90744	7428034906

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
191716	4 19I018761	4/29/2004	Aguar Auto Dismantling	Aguar Auto Dismantling	908 Vreeland Ave	Wilmington	City of Los Angeles	90744	7428035018
191744	4 19I018854	6/23/2004	I De L Auto Dismantling	I De L Auto Dismantling	1907 E I St	Wilmington	City of Los Angeles	90744	7428035020
441218	4 19I024461	9/13/2013	William Miranda	Idel Auto Dismantling and Body Work	1907 East I Street	Wilmington	City of Los Angeles	90744	7428035021
190464	4 19I013005	3/19/1997	Salvador Danny	Danny Auto Dismantling	1919 I	Wilmington	City of Los Angeles	90744	7428035025
402387	4 19I022548	3/3/2010	Walid Jahchan	WJ Auto Wrecking Inc Wally Auto Dismantling	942 N Vreeland Ave	Wilmington	City of Los Angeles	90744	7428035039
327168	4 19I020955	6/29/2007	Robertos Auto Dismantler	Robertos Auto Dismantler	912 Vreeland Ave	Wilmington	City of Los Angeles	90744	7428035046
293255	4 19I019816	10/11/2005	Tension Member Technology	Coordinated Equipment Co	1707 E Anaheim St	Wilmington	City of Los Angeles	90744	7428036045
443539	4 19I024612	12/31/2013	Manson Construction Co	Manson Construction Co	Berth 200 611 Henry Ford	Wilmington	City of Los Angeles	90744	7440001912
293285	4 19I019868	10/31/2005	Air Product & Chemicals	Air Products & Chemicals Inc	700 N Henry Ford Ave	Wilmington	City of Los Angeles	90744	7440002034
189346	4 19I004312	4/6/1992	Tidelands Oil Production Co	Tidelands Oil Production Co	420 Henry Ford	Wilmington	City of Los Angeles	90744	7440004271
189491	4 19I005196	4/9/1992	Los Angeles Department of Water and Power Power	Harbor Generating Station	161 Island	Wilmington	City of Los Angeles	90744	7440006911
188702	4 19I000868	3/23/1992	Trans Pacific Container	Trans Pac Container	920 W Harry Bridges Blvd	Wilmington	City of Los Angeles	90744	7440008901
189576	4 19I006177	4/22/1992	Catalina Freight Line	Catalina Freight Line	100 W Water St	Wilmington	City of Los Angeles	90744	7440009911
189048	4 19I002850	4/2/1992	VOPAK Terminal Los Angeles Inc	Vopak Terminal Los Angeles	401 Canal	Wilmington	City of Los Angeles	90744	7440010910
188808	4 19I001436	3/27/1992	Colonial Yacht Anchorage	Colonial Yacht Anchorage	Berth 204 Anchorage Rd	Wilmington	City of Los Angeles	90744	7440011908
368978	4 19I022242	7/28/2009	Associated Pacific Contructors Inc.	APC Berth 193	325 Yacht St	Wilmington	City of Los Angeles	90744	7440013909
191604	4 19I018386	9/30/2003	Cerritos Yacht Anchorage	Cerritos Yacht Anchorage	205 Berth Ste C	Wilmington	City of Los Angeles	90744	7440014904
189064	4 19I002928	4/2/1992	Pasha Stevedoring & Terminal	Pasha Stevedoring & Terminal	802 S Fries Ave	Wilmington	City of Los Angeles	90744	7440014904
324960	4 19I020888	5/16/2007	Shore Terminals LLC	Shore Terminals LLC	841 La Paloma Ave	Wilmington	City of Los Angeles	90744	7440014904
189009	4 19I002660	4/1/1992	US Borax Inc	U S Borax	300 Falcon	Wilmington	City of Los Angeles	90744	7440019001
432128	4 19I023869	10/19/2012	Impresa Aerospace LLC	Impresa Aerospace LLC	344 W 157th Street	Gardena	Unincorporated	90248	6125001002
410489	4 19I022954	12/22/2010	RJs Demolition & Disposal	RJs Chipping & Grinding	355 W Alondra Blvd	Gardena	Unincorporated	90248	6125001012
346405	4 19I021608	6/10/2008	Environmental Recovery Services Inc	Environmental Recovery Services Inc	15902 S Main St	Gardena	Unincorporated	90248	6125003003
190973	4 19I015609	2/1/2000	Bay Cities Metal Production	Bay Cities Metal Production	301 E Alondra Blvd	Gardena	Unincorporated	90248	6125004006
189616	4 19I006362	4/24/1992	Northrop Grumman Corp	Northrop Grumman Mil Air Sys	1 Hornet	El Segundo	El Segundo	90245	4138002901
191274	4 19I016870	10/17/2001	CoorsTek	Coors Tek	2051 E Maple Ave	El Segundo	El Segundo	90245	4138005016
189564	4 19I006091	4/21/1992	The Boeing Company	The Boeing Company	2060 E Imperial Hwy	El Segundo	El Segundo	90245	4138005067

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
190113	4 19I011326	12/29/1994	CalPortland Co	Catalina Pacific Concrete Co	339 S Aviation Blvd	El Segundo	El Segundo	90245	4138008002
439562	4 19I024358	7/11/2013	Carlisle Interconnect Tech Inc	Tri Star Electronics Intl Inc	2201 Rosecrans Ave	El Segundo	El Segundo	90245	4138011011
339622	4 19I021413	1/16/2008	Raytheon Co	Raytheon Co	2000 E El Segundo Blvd	El Segundo	El Segundo	90245	4138014047
190263	4 19I012074	1/3/1996	West Basin MWD	West Basin Mun Water Dist Recl	1935 Hughes	El Segundo	El Segundo	90245	4138014906
189128	4 19I003356	4/3/1992	Air Product & Chemicals	Air Prod & Chemicals	2021 Rosecrans Ave	El Segundo	El Segundo	90245	4138015012
339623	4 19I021414	1/16/2008	Raytheon Co	Raytheon Co	2030 E Maple Ave	El Segundo	El Segundo	90245	4138019001
188987	4 19I002527	4/1/1992	Mattel Toys	Mattel Toys Design Ctr	2031 E Mariposa Ave	El Segundo	El Segundo	90245	4138019002
191530	4 19I018105	4/28/2003	California Waste Services LLC	California Waste Services LLC	621 152nd	Gardena	City of Los Angeles	90247	6120001017
188950	4 19I002372	3/31/1992	Harbor Auto Liquidators	U Pick U Save	17800 S Vermont Ave	Gardena	City of Los Angeles	90248	6121019005
190810	4 19I014946	2/11/1999	California Metals Recycling	CA Metals Recycling	833 W 182nd St	Gardena	City of Los Angeles	90248	6121019009
190096	4 19I011249	11/1/1994	Los Angeles Unified School District	LA Unified Sch Dist Gardena Ga	18421 S Hoover St	Gardena	City of Los Angeles	90248	6121020904
189659	4 19I006973	5/15/1992	Cast Rite Corp	Cast Rite Corp	515 E Airline Way	Gardena	Unincorporated	90248	6125011028
423791	4 19I023491	1/30/2012	Umair Syed	Fastener Innovation Tech	14601 S Broadway	Gardena	Unincorporated	90248	6129001047
189782	4 19I009247	11/11/1992	Binder Metal Product Inc	Binder Metal Prod Inc	14909 S Broadway St	Gardena	Unincorporated	90248	6129002018
298183	4 19I020140	3/10/2006	Waste Resources Recovery Inc	Waste Resources Recovery	357 Compton	Gardena	Unincorporated	90248	6129002029
433466	4 19I023969	1/22/2014	Metric Precision	Metric Precision	350 W Compton Blvd	Gardena	Unincorporated	90248	6129003010
293088	4 19I019473	5/5/2005	Designed Metal Connections	Designed Metal Connections	14800 S Figueroa St	Gardena	City of Los Angeles	90248	6129001046
189130	4 19I003359	4/3/1992	Westway Auto Dismantlers	Westway Auto Dismantlers	15414 S Figueroa St	Gardena	Unincorporated	90248	6129004014
304186	4 19I020268	6/5/2006	Gerald Tupper	American Aircraft Products	15411 S Broadway Ave	Gardena	Unincorporated	90248	6129004029
189310	4 19I004162	4/6/1992	Huniu Norman	Capital Auto Wrecking	15326 S Figueroa St	Gardena	Unincorporated	90248	6129004033
191446	4 19I017633	11/18/2002	Grow More Inc	Grow More Inc	15600 New Century Dr	Gardena	Unincorporated	90248	6129005045
432837	4 19I023928	11/16/2012	Rex Foreign Used Auto Parts	Rex Foreign Used Auto Parts	15601 S Main St	Gardena	Unincorporated	90248	6129006023
307772	4 19I020413	8/16/2006	Sanchez Auto Wrecking	Sanchez Auto Wrecking	15503 1/2 Main	Gardena	Unincorporated	90248	6129006033
400870	4 19I022416	11/23/2009	MDH Auto Wrecking	MDH Auto Wrecking	15503 3/4 S Main St	Gardena	Unincorporated	90248	6129006033
402718	4 19I022570	3/24/2010	Main St Auto Dismantlers Inc	Main St Auto Dismantlers Inc	15503 S Main St	Gardena	Unincorporated	90248	6129006033
189680	4 19I007120	6/2/1992	A & A Ready Mixed Concrete	A&A Ready Mixed Concrete	100 Redondo Beach	Gardena	Unincorporated	90248	6129007017
189682	4 19I007122	6/2/1992	A & A Ready Mixed Concrete	A&A Ready Mixed Concrete	134 Redondo Beach	Gardena	Unincorporated	90248	6129007017
189335	4 19I004271	4/6/1992	Coast Plating	Coast Plating Co	128 W 154th St # 150	Gardena	Unincorporated	90248	6129007035
322389	4 19I020739	3/23/2007	Lite Extrusions Mfg	Lite Extrusions Mfg	15025 S Main St	Gardena	Unincorporated	90248	6129008038

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
323958	4 19I020839	4/25/2007	Amfoam Inc	American Foam & Packaging	15110 S Broadway	Gardena	Unincorporated	90248	6129008044
188533	4 19I000043	2/10/1992	Mechanical Metal Finishing	Mechanical Metal Finishing	15220 S Broadway St	Gardena	Unincorporated	90248	6129008050
410815	4 19I022992	1/27/2011	Gamma 2	Gamma 2	14505 S Main St	Gardena	Unincorporated	90248	6129009048
188864	4 19I001829	3/30/1992	Superior Gear Facility	Superior Gear Facility	14814 Broadway	Gardena	Unincorporated	90248	6129009065
191717	4 19I018765	4/30/2004	JB Chemical Co Inc	J B Chemical Co Inc	14803 S Spring St	Gardena	Unincorporated	90248	6129009072
189441	4 19I004906	4/7/1992	Any Kar Auto Dismantling	Any Kar Auto Dismantling	150 W Lennon St	Gardena	Unincorporated	90248	6129009075
188928	4 19I002282	3/31/1992	TCI Precision Metals	TCI Precision Metals	240 E Rosecrans Ave	Gardena	Unincorporated	90248	6129010036
401870	4 19I022501	1/27/2010	Proplas Technologies	Proplas Technologies	14600 S Main St	Gardena	Unincorporated	90248	6129010040
370140	4 19I022330	9/17/2009	Ecology Auto Parts Inc	Ecology Auto Parts Inc	14701 S Maple	Gardena	Unincorporated	90248	6129010041
351216	4 19I021762	8/25/2008	Richard Hough	Cosway Company	14805 S Maple	Gardena	Unincorporated	90247	6129011020
191688	4 19I018650	2/25/2004	Carson Trailer	Carson Trailer inc	14831 S Maple Ave	Gardena	Unincorporated	90248	6129011021
189640	4 19I006665	7/9/1993	Mills Iron Works	Mills Iron Works	14834 S Maple Ave	Gardena	Unincorporated	90248	6129011027
403279	4 19I022633	5/13/2010	Maya Steel Fabrications Inc	Maya Steel Fabrications Inc	301 E Compton Blvd	Gardena	Unincorporated	90248	6129011030
189502	4 19I005353	4/10/1992	Allied Waste Services of North America LLC	Gardena Hauling	14905 S San Pedro Street	Gardena	Unincorporated	90248	6129011040
434520	4 19I024036	1/30/2013	Samuel Cohen	Vege Misting Alco Designs	407 E Redondo Beach Blvd	Gardena	Unincorporated	90248	6129014037
189746	4 19I009076	11/7/1992	Blue Daisy Cement Product	Blue Daisy Cement Prod	314 E Compton Blvd	Gardena	Unincorporated	90248	6129015049
293047	4 19I019382	3/23/2005	FedEx Freight	Fedex Freight Gardena	15200 S Main St	Gardena	Unincorporated	90248	6129018054
189395	4 19I004554	4/8/1992	Angelus Block Co Inc	Angelus Block Co Inc	252 E Redondo Beach Blvd	Gardena	Unincorporated	90248	6129019053
189092	4 19I003126	4/2/1992	YRC Freight	YRC Inc	15400 S Main St	Gardena	Unincorporated	90248	6129019057
190664	4 19I014209	11/29/2012	Hubbard Casting Co Inc	Hubbard Casting Co Inc	127 E 157th St	Gardena	Unincorporated	90248	6129020035
189944	4 19I010285	7/8/1993	Thomas Auto Salvage	Thomas Auto Salvage	440 E Redondo Beach Blvd	Gardena	Unincorporated	90248	6129021031
189729	4 19I008028	9/26/1992	Letvin Ronald A	S Letvin & Son	13210 S Figueroa Steet	Los Angeles	Unincorporated	90248	6132008020
191316	4 19I017076	2/6/2002	Stepstone Inc	Stepstone Inc Plant No 3	13238 S Figueroa St	Los Angeles	Unincorporated	90061	6132008038
403688	4 19I022657	6/1/2010	River Star Inc	River Star Inc	378 W 133rd St	Los Angeles	Unincorporated	90061	6132009001
188651	4 19I000584	3/16/1992	Als Plating Co Inc	Al S Plating Co Inc	318 W 131st St	Los Angeles	Unincorporated	90061	6132011016
293279	4 19I019852	10/21/2005	Nasco Aircraft Brake Inc	Nasco Aircraft Brake Inc	13300 Estrella Ave	Gardena	City of Los Angeles	90248	6132004029
363241	4 19I022095	4/1/2009	Connector Plating Corp	Connector Plating Corp	327 W 132nd St	Los Angeles	Unincorporated	90061	6132011022
190485	4 19I013149	6/25/1997	Phillips 66 Company	Phillips 66 Company LA Terminal	13500 S Broadway	Los Angeles	Unincorporated	90061	6132042022
336892	4 19I021302	11/28/2007	D&D Palstics Inc	D&D Palstics Inc	13920 S Figueroa	Los Angeles	Unincorporated	90061	6132044007
191454	4 19I017672	12/9/2002	Robertsons Ready Mix	Robertsons Ready Mix Gardena	301 Rosecrans	Gardena	Unincorporated	90248	6132044033
190177	4 19I011620	5/30/1995	Parkers Towing & Salvage Inc	Parker S Towing & Salvage Inc	14116 Avalon Blvd	Los Angeles	Unincorporated	90061	6134018039
188732	4 19I001009	3/23/1992	V & M Plating Co	V & M Plating Co	14024 Avalon Blvd	Los Angeles	Unincorporated	90061	6134018056

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
190142	4 19I011444	2/27/1995	Hi Craft Metal Product	Hi Craft Metal Prod	606 W 184th St	Gardena	City of Los Angeles	90248	7339008029
190120	4 19I011370	1/25/1995	Scotch Paint	Scotch Paint	555 W 189th St	Gardena	City of Los Angeles	90248	7339008030
190311	4 19I012361	6/4/1996	Spectrum Laboratory Product Inc	Spectrum Laboratory Prod Inc	14422 S San Pedro St	Gardena	Unincorporated	90248	6137001004
189698	4 19I007219	6/18/1992	International Die Casting	International Die Casting	14733 Avalon	Gardena	Unincorporated	90248	6137002019
191221	4 19I016662	7/25/2001	OSI Optoelectronics Inc	Udt Sensors Inc	12525 Chadron Ave	Hawthorne	Hawthorne	90250	4049007042
190566	4 19I013631	12/30/1997	Fed Ex	Fed Ex	12600 Prairie Ave	Hawthorne	Hawthorne	90250	4049011017
405512	4 19I022728	7/19/2010	Triumph Aerostructures LLC	Triumph Aerostructures Hawthorne	3901 Jack Northrop Ave	Hawthorne	Hawthorne	90250	4049013004
188930	4 19I002294	3/31/1992	Hawthorne City	Hawthorne City Airport	12101 Crenshaw Blvd	Hawthorne	Hawthorne	90250	4049017905
424943	4 19I023543	3/6/2012	Space Exploration Technologies	Space Exploration Technologies	1 Rocket Rd	Hawthorne	Hawthorne	90250	4049019013
443973	4 19I024648	1/23/2014	Arrow Recycling Solutions Inc	Arrow Recycling Solutions Inc	12410 Wilkie Ave	Hawthorne	Hawthorne	90250	4056032045
188701	4 19I000862	3/23/1992	Interplastic Corp	Interplastic Corp	12335 S Van Ness Ave	Hawthorne	Hawthorne	90250	4056032051
293257	4 19I019821	10/12/2005	Hollywood Park Land Co LLC	Hollywood Park Racetrack	1050 S Prairie Ave	Inglewood	Inglewood	90301	4025011037
293147	4 19I019606	6/28/2005	UPS Cartage Services Inc	UPS Cartage Services Inc CAIWD	3600 W Century Blvd	Inglewood	Inglewood	90303	4032004045
189311	4 19I004165	4/6/1992	Chromplate Co Inc	Chromplate Co Inc	1127 W Hillcrest Blvd	Inglewood	Inglewood	90301	4126003013
188819	4 19I001526	3/27/1992	Rho Chem LLC	Rho Chem LLC	425 Isis Ave	Inglewood	Inglewood	90301	4126003020
188945	4 19I002358	3/31/1992	Microplate Inc	Microplate Inc	1013 W Hillcrest Blvd	Inglewood	Inglewood	90301	4126006011
189658	4 19I006958	5/14/1992	Standun Inc	Zephyr Manufacturing	201 Hindry Ave	Inglewood	Inglewood	90301	4127029001
190221	4 19I011858	9/6/1995	LACMTA	Metro Division 22 Green Line	14724 Aviation Blvd	Lawndale	Hawthorne	90260	4149011910
190630	4 19I013944	4/30/1998	Union Pacific Railroad	ICTF	2401 E Sepulveda Blvd	Long Beach	City of Los Angeles	90810	7315011804
338208	4 19I021353	12/20/2007	Mortimer & Wallace Inc	Mortimer & Wallace Inc	2422 E Sepulveda Blvd	Long Beach	City of Los Angeles	90810	7315015905
189775	4 19I009217	11/10/1992	Merle Norman	Norman Merle	9130 Bellanca Ave	Los Angeles	City of Los Angeles	90045	4125010015
189959	4 19I010364	7/22/1993	Neutrogena	Neutrogena	5755 W 96th St	Los Angeles	City of Los Angeles	90045	4125021030
292954	4 19I019183	12/7/2004	National Technical Systems Inc	National Technical Systems Inc	5320 W 104th St	Los Angeles	City of Los Angeles	90045	4129035022
321914	4 19I020720	3/9/2007	CalPortland Co	Catalina Pacific Concrete Co	5299 W 111th St	Los Angeles	City of Los Angeles	90045	4129036908
191835	4 19I019135	12/1/2004	Moonlight Molds Inc	Moonlight Molds Inc	14920 S San Pedro St	Gardena	Unincorporated	90248	6137003015
190823	4 19I014999	3/12/1999	Chemtrans	Chemtrans	14700 S Avalon Blvd	Gardena	Unincorporated	90248	6137005005
190121	4 19I011377	1/26/1995	First Student Inc co Strata Env	First Student Inc 12477	14800 S Avalon Blvd	Gardena	Unincorporated	90248	6137005029
418710	4 19I023288	8/10/2011	CRM CO LLC H Barry Takallou	CRM CO LLC	15800 Avalon Blvd	Rancho Dominguez	Unincorporated	90220	6139013006
402389	4 19I022550	3/4/2010	Golden Gate Steel Inc	Golden Gate Steel Inc	19826 S Alameda St	Los Angeles	Unincorporated	90221	7306006034
189785	4 19I009280	11/13/1992	Nabors Completion & Production	Nabors Completion & Production	19431 S Santa Fe Ave	Rancho Dominguez	Unincorporated	90221	7306017007

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
191325	4 19I017122	3/11/2002	General Petroleum Corporation	General Petroleum Rancho Dominguez	19501 S Santa Fe Ave	Rancho Dominguez	Unincorporated	90221	7306017012
190590	4 19I013713	1/23/1998	TA Davies Co	Ta Davies Co	19500 S Alameda St	Compton	Unincorporated	90221	7306017013
430619	4 19I023799	8/29/2012	First Transit Inc	First Transit Inc 55580	2727 E Del Amo Blvd	Compton	Unincorporated	90221	7306018042
431624	4 19I023845	10/1/2012	Fargo Trucking Co Inc	Fargo Trucking Co Inc	2727 E Del Amo Blvd	Rancho Dominguez	Unincorporated	90221	7306018042
191053	4 19I015979	7/31/2000	Plaskolite West Inc	Plaskolite West Inc	2225 Del Amo	Compton	Unincorporated	90220	7318007034
425138	4 19I023557	3/13/2012	Quality Forming LLC	Quality Forming LLC	22906 Frampton Ave	Torrance	City of Los Angeles	90501	7347018009
340590	4 19I021438	2/11/2008	Sims Recycling Solutions	Sims Recycling Solutions	20212 S Rancho Way	Rancho Dominguez	Unincorporated	90220	7318007043
191845	4 19I019159	12/2/2004	MK Diamond Product	MK Diamond Prod	1315 Storm Pkwy	Torrance	City of Los Angeles	90501	7347018034
189361	4 19I004385	4/6/1992	Farmer Bros Co	Farmer Bros Co	20333 Normandie Ave	Torrance	City of Los Angeles	90502	7351020021
191802	4 19I019016	9/7/2004	Rolling Frito Lay Sales	LA Mega	1500 Francisco St	Torrance	City of Los Angeles	90501	7351021039
190380	4 19I012624	10/30/1996	Ecology Control Industries	Ecology Control Industries	20846 Normandie	Torrance	City of Los Angeles	90502	7351027001
439786	4 19I024407	8/9/2013	Pellico Investments LLC	Laclede Inc	2103 East University Drive	Rancho Dominguez	Unincorporated	90220	7318009028
443596	4 19I024619	1/3/2014	AGC Automotive California Inc	AGC Automotive California Inc	19301 Pacific Gateway Drive	Torrance	City of Los Angeles	90502	7351031007
189132	4 19I003373	4/3/1992	RR Donnelley	RR Donnelley LA Div	19681 Pacific Gateway Dr	Torrance	City of Los Angeles	90502	7351034015
191503	4 19I017993	3/18/2003	Ace Clearwater Ent	Ace Clearwater Ent	19815 Magellan Dr	Torrance	City of Los Angeles	90502	7351034043
189628	4 19I006466	4/24/1992	BCI CocaCola Bottling Company of LA	BCI Coca Cola Co of Los Angeles - Torrance Facility	19875 Pacific Gateway	Torrance	City of Los Angeles	90502	7351034057
408447	4 19I022875	10/14/2010	Praxair Surface Technologies	Praxair Surface Technologies	18502 Laurel Park Rd	Compton	Unincorporated	90220	7318019033
439465	4 19I024349	7/9/2013	Puratos Corporation	Puratos Corporation	18831 Laurel Park Road	Rancho Dominguez	Unincorporated	90220	7318019044
190488	4 19I013173	6/26/1997	Aerol Co	Aerol Co	19560 S Rancho Way	Rancho Dominguez	Unincorporated	90220	7318023014
351475	4 19I021776	10/15/2013	Sea Recovery Corp	Sea Recovery Corp	19610 S Rancho Way	Rancho Dominguez	Unincorporated	90220	7318023019
189322	4 19I004213	4/6/1992	Schimmicks Dismantling	Schimmick S Dismantling	22704 Normandie Ave	Torrance	Unincorporated	90502	7344018023
190158	4 19I011513	4/4/1995	Industrial Parts Depot	Industrial Parts Depot	23231 Normandie Ave	Torrance	Unincorporated	90501	7347018024
321913	4 19I020719	3/9/2007	CalPortland Co	Catalina Pacific Concrete Co	19030 S Normandie Ave	Torrance	Unincorporated	90502	7351030003
190255	4 19I012046	12/18/1995	Power Magnetics	Power Magnetics	711 W Knox St	Gardena	Unincorporated	90248	7351032034
419881	4 19I023318	9/7/2011	Redman Equipment & Manufacturing Co	Redman Equipment & Manufacturing Co	19800 Normandie Ave	Torrance	Unincorporated	90502	7351035018
296617	4 19I020093	2/23/2006	Crossfields Products	Crossfield Products Torrance Plant	19514 Normandie Avenue	Torrance	Unincorporated	90502	7351035020
190344	4 19I012498	8/15/1996	Metro Truck Body Inc	Metro Truck Body Inc	1201 Jon St	Torrance	Unincorporated	90502	7351036011
191241	4 19I016724	8/21/2001	Sonic Industries	Sonic Industries	20030 Normandie Ave	Torrance	Unincorporated	90502	7351036020

Table H.1: Summary of Industrial Facilities Covered Under the IGP in DC WMG

Application ID	WDID	Status Date	Owner/Operator Name	Site/Facility Name	Address	City	WMG City	Zip Code	APN
190238	4 19I011957	11/2/1995	Stewart Filmscreen Corp	Stewart Filmscreen Corp	1161 Sepulveda Blvd	Torrance	Unincorporated	90502	7407016045
293153	4 19I019621	6/30/2005	Maxima Ent Inc	Maxima Ent Inc	23920 Vermont Ave	Harbor City	Unincorporated	90710	7409019015
191350	4 19I017191	4/4/2002	Ultramar Inc Hanford	Ultramar Inc Wilmington Refine	2402 E Anaheim St	Wilmington	City of Los Angeles	90744	7440002032

1.San Pedro, Terminal Island, and Wilmington are locations in the City of Los Angeles. Listed separately for reference.

2. Although locations such as Gardena, Torrance, Long Beach, Lawndale, and Rancho Dominguez are not part of the DC WMG, the parcels listed here have postal addresses in those cities but are located within the DC WMG jurisdictions' boundaries.

Attachment I

90th Percentile Determination Statistics

PAGE INTENTIONALLY LEFT BLANK

Copper Percentile Loads for Dominguez Channel Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Copper Load (kg)**
12/25/2003	253.73	503.27	157.72	97.85
4/12/2010	237.2	470.48	167.36	97.07
9/22/2007	86.62	171.81	446.46	94.56
1/21/2012	**212.2**	**420.9**	**179.19**	**92.97**
1/18/2010	332.66	659.82	107.77	87.66
12/16/2002	362.08	718.17	92.83	82.18
2/11/2003	213.08	422.63	156.92	81.75
5/22/2006	149.49	296.5	220.73	80.68
11/26/2008	343.78	681.88	93.58	78.66
11/6/2011	99.65	197.65	308.68	75.21
2/27/2006	282.68	560.68	104.99	72.56

Copper Percentile Load Statistics for Dominguez Channel Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Copper Load (kg)**
Mean	463.98	85.56
Standard Error	56.35	2.69
Median	470.48	82.18
Standard Deviation	186.89	8.93
Sample Variance	34,929.49	79.71
Kurtosis	-1.00	-1.48
Skewness	-0.25	0.12
Range	546.36	25.29
Minimum	171.81	72.56
Maximum	718.17	97.85
95% Confidence Range for Mean	220.89	10.55

Lead Percentile Loads for Dominguez Channel Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Lead Load (kg)**
12/25/2003	253.73	503.27	41.65	25.84
4/12/2010	237.2	470.48	44.19	25.63
9/22/2007	86.62	171.81	117.21	24.82
1/21/2012	**212.2**	**420.9**	**47.32**	**24.55**
1/18/2010	332.66	659.82	28.47	23.16
2/11/2003	213.08	422.63	41.9	21.83
12/16/2002	362.08	718.17	24.59	21.77
5/22/2006	149.49	296.5	58.92	21.53
11/26/2008	343.78	681.88	24.77	20.82
11/6/2011	99.65	197.65	82.42	20.08
2/27/2006	282.68	560.68	27.66	19.11

Lead Percentile Load Statistics for Dominguez Channel Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Lead Load (kg)**
Mean	463.98	22.65
Standard Error	56.35	0.69
Median	470.48	21.83
Standard Deviation	186.89	2.30
Sample Variance	34,929.49	5.28
Kurtosis	-1.00	-1.33
Skewness	-0.25	0.06
Range	546.36	6.73
Minimum	171.81	19.11
Maximum	718.17	25.84
95% Confidence Range for Mean	220.89	2.72

Zinc Percentile Loads for Dominguez Channel Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Zinc Load (kg)**
4/12/2010	237.20	470.48	716.77	415.72
9/22/2007	86.62	171.81	1910.75	404.70
1/21/2012	212.20	420.90	767.35	398.15
12/28/2004	1559.54	3093.31	100.01	381.37
1/18/2010	332.66	659.82	461.51	375.39
12/16/2002	**362.08**	**718.17**	**397.15**	**351.61**
2/11/2003	213.08	422.63	669.17	348.64
5/22/2006	149.49	296.50	941.96	344.30
11/26/2008	343.78	681.88	401.68	337.65
11/6/2011	99.65	197.65	1315.56	320.54
2/27/2006	282.68	560.68	450.53	311.40

Zinc Percentile Load Statistics for Dominguez Channel Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Zinc Load (kg)**
Mean	699.44	362.68
Standard Error	245.90	10.46
Median	470.48	351.61
Standard Deviation	815.55	34.69
Sample Variance	665,125.16	1,203.72
Kurtosis	9.52	-1.21
Skewness	3.00	0.12
Range	2,921.49	104.32
Minimum	171.81	311.40
Maximum	3,093.31	415.72
95% Confidence Range for Mean	963.92	41.01

Fecal Coliform Percentile Loads for Dominguez Channel Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (MPN/100mL)**	**Fecal Coliform Load (MPN)**
10/16/2004	50.49	100.14	1,630,351.54	2.01E+15
10/30/2010	**69.09**	**137.04**	**1,149,140.04**	**1.94E+15**
12/6/2010	51.04	101.24	1,129,834.20	1.41E+15
4/27/2005	36.41	72.21	1,526,996.91	1.36E+15

Fecal Coliform Percentile Load Statistics for Dominguez Channel Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Fecal Coliform Load (MPN)**
Mean	102.66	1.68E+15
Standard Error	13.28	1.72E+14
Median	100.69	1.68E+15
Standard Deviation	26.57	3.44E+14
Sample Variance	705.84	1.18E+29
Kurtosis	1.60	-5.68
Skewness	0.44	0.02
Range	64.83	6.53E+14
Minimum	72.21	1.36E+15
Maximum	137.04	2.01E+15
95% Confidence Range for Mean	52.07	6.74E+14

Copper Percentile Loads for Dominguez Channel Estuary Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Copper Load (kg)**
11/12/2003	117.00	232.07	132.45	37.89
10/13/2007	54.05	107.21	278.61	36.82
3/17/2012	49.56	98.31	303.12	36.74
4/12/2010	99.88	198.11	144.65	35.33
12/25/2003	100.43	199.21	143.37	35.21
2/27/2006	**111.35**	**220.86**	**128.92**	**35.10**
5/22/2006	72.22	143.25	187.33	33.08
12/28/2004	326.94	648.49	41.00	32.78
1/21/2012	66.56	132.02	195.06	31.75

Copper Percentile Load Statistics for Dominguez Channel Estuary Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Copper Load (kg)**
Mean	219.95	34.97
Standard Error	56.00	0.69
Median	198.11	35.21
Standard Deviation	168.01	2.06
Sample Variance	28,227.37	4.26
Kurtosis	6.93	-1.05
Skewness	2.52	-0.25
Range	550.18	6.15
Minimum	98.31	31.75
Maximum	648.49	37.89
95% Confidence Range for Mean	219.53	2.70

Lead Percentile Loads for Dominguez Channel Estuary Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Lead Load (kg)**
10/13/2007	54.05	107.21	64.42	8.51
3/17/2012	49.56	98.31	69.13	8.38
4/12/2010	99.88	198.11	33.05	8.07
2/27/2006	111.35	220.86	29.26	7.97
12/25/2003	100.43	199.21	32.14	7.89
5/22/2006	72.22	143.25	42.64	7.53
12/28/2004	326.94	648.49	9.35	7.47
1/21/2012	**66.56**	**132.02**	**44.41**	**7.23**
2/5/2009	71.71	142.23	39.98	7.01

Lead Percentile Load Statistics for Dominguez Channel Estuary Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Lead Load (kg)**
Mean	209.96	7.78
Standard Error	56.62	0.17
Median	143.25	7.89
Standard Deviation	169.86	0.51
Sample Variance	28,851.97	0.26
Kurtosis	7.44	-1.08
Skewness	2.65	-0.07
Range	550.18	1.50
Minimum	98.31	7.01
Maximum	648.49	8.51
95% Confidence Range for Mean	221.95	0.67

Table Error! No text of specified style in document.**.1: Zinc Percentile Loads for Dominguez Channel Estuary Watershed Storm Events**

Date	Flow (cfs)	Volume (ac-ft)	Concentration (µg/l)	Zinc Load (kg)
3/17/2012	49.56	98.31	1414.74	171.45
10/13/2007	54.05	107.21	1292.39	170.8
12/25/2003	100.43	199.21	673.97	165.51
4/12/2010	99.88	198.11	675.31	164.92
2/27/2006	**111.35**	**220.86**	**603.59**	**164.34**
5/22/2006	72.22	143.25	874.65	154.45
12/28/2004	326.94	648.49	191.28	152.91
1/21/2012	66.56	132.02	911.48	148.34
2/5/2009	71.71	142.23	824.4	144.54

Table Error! No text of specified style in document.**.2: Zinc Percentile Load Statistics for Dominguez Channel Estuary Watershed Storm Events**

Statistical Analysis	Volume (ac-ft)	Zinc Load (kg)
Mean	209.96	159.7
Standard Error	56.62	3.28
Median	143.25	164.34
Standard Deviation	169.86	9.85
Sample Variance	28,851.97	97.05
Kurtosis	7.44	-1.47
Skewness	2.65	-0.33
Range	550.18	26.91
Minimum	98.31	144.54
Maximum	648.49	171.45
95% Confidence Range for Mean	221.95	12.87

Fecal Coliform Percentile Loads for Dominguez Channel Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (MPN/100mL)**	**Fecal Coliform Load (MPN)**
12/6/2010	31.82	63.12	2,091,531.88	1.63E+15
10/30/2010	**25.52**	**50.62**	**1,986,091.77**	**1.24E+15**
10/25/2010	19.86	39.40	1,883,671.12	9.15E+14
2/27/2003	17.23	34.17	2,107,207.76	8.88E+14

Fecal Coliform Percentile Load Statistics for Dominguez Channel Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Fecal Coliform Load (MPN)**
Mean	46.83	1.17E+15
Standard Error	6.42	1.73E+14
Median	45.01	1.08E+15
Standard Deviation	12.85	3.46E+14
Sample Variance	165.07	1.20E+29
Kurtosis	-1.34	-0.68
Skewness	0.61	0.96
Range	28.95	7.40E+14
Minimum	34.17	8.88E+14
Maximum	63.12	1.63E+15
95% Confidence Range for Mean	25.18	6.78E+14

Copper Percentile Loads for Wilmington Drain Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Copper Load (kg)**
1/19/2010	93.98	186.40	74.43	17.10
11/30/2007	53.77	106.66	128.97	16.96
12/7/2009	**46.07**	**91.38**	**150.29**	**16.93**
10/14/2004	22.48	44.58	272.11	14.96
10/5/2011	15.23	30.21	391.63	14.59
12/12/2003	14.23	28.23	415.90	14.47
4/12/2010	30.64	60.77	183.61	13.76
2/18/2005	32.15	63.78	173.16	13.61

Copper Percentile Load Statistics for Wilmington Drain Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Copper Load (kg)**
Mean	76.50	15.30
Standard Error	18.47	0.52
Median	62.28	14.77
Standard Deviation	52.25	1.47
Sample Variance	2,729.76	2.17
Kurtosis	2.36	-2.01
Skewness	1.48	0.32
Range	158.17	3.49
Minimum	28.23	13.61
Maximum	186.40	17.10
95% Confidence Range for Mean	72.41	2.04

Lead Percentile Loads for Wilmington Drain Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Lead Load (kg)**
2/11/2003	194.83	386.44	9.17	4.37
12/27/2004	106.40	211.05	16.17	4.21
10/14/2004	22.48	44.58	72.69	4.00
10/5/2011	15.23	30.21	106.36	3.96
12/12/2003	14.23	28.23	111.05	3.86
4/12/2010	**30.64**	**60.77**	**49.44**	**3.70**
12/15/2002	73.72	146.22	19.61	3.54
12/17/2010	56.80	112.65	24.77	3.44

Lead Percentile Load Statistics for Wilmington Drain Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Lead Load (kg)**
Mean	127.52	3.88
Standard Error	43.35	0.11
Median	86.71	3.91
Standard Deviation	122.62	0.32
Sample Variance	15,035.41	0.10
Kurtosis	2.38	-0.87
Skewness	1.57	0.07
Range	358.21	0.93
Minimum	28.23	3.44
Maximum	386.44	4.37
95% Confidence Range for Mean	169.94	0.44

Table Error! No text of specified style in document.**.3: Zinc Percentile Loads for Wilmington Drain Watershed Storm Events**

Date	Flow (cfs)	Volume (ac-ft)	Concentration (µg/l)	Zinc Load (kg)
12/12/2003	14.23	28.23	1795.85	62.50
10/5/2011	15.23	30.21	1671.86	62.27
2/11/2003	194.83	386.44	127.38	60.68
4/12/2010	30.64	60.77	787.98	59.03
12/15/2002	73.72	146.22	312.39	56.31
12/17/2010	**56.80**	**112.65**	**395.76**	**54.96**
1/17/2010	32.47	64.40	659.75	52.37
11/20/2011	33.76	66.95	599.41	49.47

Table Error! No text of specified style in document.**.4: Zinc Percentile Load Statistics for Wilmington Drain Watershed Storm Events**

Statistical Analysis	Volume (ac-ft)	Zinc Load (kg)
Mean	127.52	3.88
Standard Error	43.35	0.11
Median	86.71	3.91
Standard Deviation	122.62	0.32
Sample Variance	15,035.41	0.10
Kurtosis	2.38	-0.87
Skewness	1.57	0.07
Range	358.21	0.93
Minimum	28.23	3.44
Maximum	386.44	4.37
95% Confidence Range for Mean	169.94	0.44

Fecal Coliform Percentile Loads for Wilmington Drain Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (MPN/100mL)**	**Fecal Coliform Load (MPN)**
1/6/2005	33.08	65.62	836,849.34	6.77E+14
10/14/2004	**22.48**	**44.58**	**1,061,970.28**	**5.84E+14**
4/21/2005	16.28	32.28	1,061,582.75	4.22E+14
3/20/2005	14.31	28.38	1,061,652.16	3.71E+14

Fecal Coliform Percentile Load Statistics for Wilmington Drain Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Fecal Coliform Load (MPN)**
Mean	42.72	5.14E+14
Standard Error	8.38	7.08E+13
Median	38.43	5.03E+14
Standard Deviation	16.76	1.42E+14
Sample Variance	280.74	2.00E+28
Kurtosis	0.42	-3.43
Skewness	1.12	0.25
Range	37.23	3.05E+14
Minimum	28.38	3.71E+14
Maximum	65.62	6.77E+14
95% Confidence Range for Mean	32.84	2.77E+14

Total Nitrogen Percentile Loads for Wilmington Drain Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (mg/l)**	**Total Nitrogen Load (kg)**
2/11/2003	194.83	386.44	2.53	1,204.68
12/27/2004	106.40	211.05	4.44	1,155.85
10/14/2004	22.48	44.58	19.85	1,090.73
12/12/2003	14.23	28.23	30.34	1,056.02
10/5/2011	15.23	30.21	27.70	1,031.86
4/12/2010	30.64	60.77	13.17	987.00
12/15/2002	**73.72**	**146.22**	**5.21**	**939.74**
12/17/2010	56.80	112.65	6.62	918.93

Total Nitrogen Percentile Load Statistics for Wilmington Drain Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Total Nitrogen Load (kg)**
Mean	127.52	1,048.10
Standard Error	43.35	35.46
Median	86.71	1,043.94
Standard Deviation	122.62	100.31
Sample Variance	15,035.41	10,061.55
Kurtosis	2.38	-0.94
Skewness	1.57	0.28
Range	358.21	285.75
Minimum	28.23	918.93
Maximum	386.44	1,204.68
95% Confidence Range for Mean	169.94	139.02

Total Phosphorus Percentile Loads for Wilmington Drain Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (mg/l)**	**Total Phosphorus Load (kg)**
11/30/2007	53.77	106.66	0.78	102.52
12/7/2009	46.07	91.38	0.91	102.38
10/14/2004	22.48	44.58	1.67	91.67
12/12/2003	14.23	28.23	2.54	88.57
10/5/2011	15.23	30.21	2.32	86.58
4/12/2010	**30.64**	**60.77**	**1.11**	**83.20**
12/15/2002	73.72	146.22	0.45	80.28
12/17/2010	56.80	112.65	0.56	78.15

Total Phosphorus Percentile Load Statistics for Wilmington Drain Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Total Phosphorus Load (kg)**
Mean	77.59	89.17
Standard Error	15.25	3.28
Median	76.08	87.58
Standard Deviation	43.14	9.28
Sample Variance	1,861.09	86.03
Kurtosis	-1.27	-0.98
Skewness	0.30	0.58
Range	117.99	24.37
Minimum	28.23	78.15
Maximum	146.22	102.52
95% Confidence Range for Mean	59.79	12.85

Copper Percentile Loads for Machado Lake Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Copper Load (kg)**
10/17/2004	59.30	117.61	66.98	9.71
1/9/2005	83.35	165.31	47.12	9.60
2/19/2007	17.43	34.57	225.28	9.60
10/17/2005	7.80	15.47	486.19	9.27
2/18/2005	**24.79**	**49.17**	**152.40**	**9.24**
12/10/2006	7.18	14.24	519.90	9.12
9/22/2007	7.46	14.79	469.98	8.57
12/15/2002	45.92	91.09	75.08	8.43
5/20/2006	8.21	16.28	409.83	8.22
4/12/2010	20.85	41.35	161.04	8.21
10/14/2004	11.93	23.66	262.51	7.66
12/12/2003	7.35	14.58	406.69	7.31
11/2/2008	3.41	6.77	860.53	7.18

Copper Percentile Load Statistics for Machado Lake Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Copper Load (kg)**
Mean	46.53	8.63
Standard Error	13.49	0.24
Median	23.66	8.57
Standard Deviation	48.63	0.88
Sample Variance	2,364.95	0.77
Kurtosis	1.90	-1.18
Skewness	1.62	-0.37
Range	158.54	2.53
Minimum	6.77	7.18
Maximum	165.31	9.71
95% Confidence Range for Mean	52.87	0.95

Lead Percentile Loads for Machado Lake Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Lead Load (kg)**
2/8/2010	68.01	134.89	12.94	2.15
5/20/2006	8.21	16.28	107.06	2.15
3/20/2011	108.72	215.63	8.00	2.13
4/12/2010	20.85	41.35	41.60	2.12
9/22/2007	7.46	14.79	116.11	2.12
11/2/2008	3.41	6.77	237.73	1.98
10/14/2004	**11.93**	**23.66**	**64.71**	**1.89**
12/25/2003	10.35	20.52	73.61	1.86
12/12/2003	7.35	14.58	100.16	1.80
2/27/2006	72.57	143.94	9.97	1.77
12/31/2005	35.16	69.74	19.70	1.69
2/5/2009	14.50	28.77	44.29	1.57
1/20/2010	77.12	152.96	8.30	1.57

Lead Percentile Load Statistics for Machado Lake Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Lead Load (kg)**
Mean	67.99	1.91
Standard Error	19.25	0.06
Median	28.77	1.89
Standard Deviation	69.42	0.22
Sample Variance	4,819.74	0.05
Kurtosis	-0.19	-1.33
Skewness	1.07	-0.32
Range	208.86	0.59
Minimum	6.77	1.57
Maximum	215.63	2.15
95% Confidence Range for Mean	75.48	0.24

Table Error! No text of specified style in document.**.5: Zinc Percentile Loads for Machado Lake Watershed Storm Events**

Date	Flow (cfs)	Volume (ac-ft)	Concentration (µg/l)	Zinc Load (kg)
10/17/2004	59.30	117.61	243.73	35.34
10/14/2004	11.93	23.66	1156.74	33.74
12/12/2003	7.35	14.58	1792.56	32.23
3/15/2003	111.01	220.18	116.94	31.74
2/27/2006	72.57	143.94	173.41	30.77
12/31/2005	**35.16**	**69.74**	**352.80**	**30.33**
3/20/2011	108.72	215.63	114.09	30.33
11/2/2008	3.41	6.77	3632.30	30.32
2/17/2005	53.45	106.02	221.66	28.97
12/25/2003	10.35	20.52	1124.71	28.45
2/5/2009	14.50	28.77	766.20	27.17
4/20/2007	6.87	13.63	1608.79	27.04
12/12/2011	45.71	90.66	229.08	25.60

Table Error! No text of specified style in document.**.6: Zinc Percentile Load Statistics for Machado Lake Watershed Storm Events**

Statistical Analysis	Volume (ac-ft)	Zinc Load (kg)
Mean	82.44	30.16
Standard Error	20.84	0.76
Median	69.74	30.33
Standard Deviation	75.14	2.75
Sample Variance	56,45.88	7.55
Kurtosis	-0.46	-0.24
Skewness	0.84	0.19
Range	213.41	9.74
Minimum	6.77	25.60
Maximum	220.18	35.34
95% Confidence Range for Mean	81.69	2.99

Fecal Coliform Percentile Loads for Machado Lake Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (MPN/100mL)**	**Fecal Coliform Load (MPN)**
2/28/2011	13.74	27.26	905,009.24	3.04E+14
2/21/2011	**12.23**	**24.26**	**901,607.98**	**2.70E+14**
4/21/2005	8.50	16.86	1,211,501.63	2.52E+14
3/20/2005	8.77	17.40	1,157,856.24	2.48E+14

Fecal Coliform Percentile Load Statistics for Machado Lake Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Fecal Coliform Load (MPN)**
Mean	21.44	2.68E+14
Standard Error	2.57	1.28E+13
Median	20.83	2.61E+14
Standard Deviation	5.14	2.55E+13
Sample Variance	26.39	6.52E+26
Kurtosis	-4.32	1.06
Skewness	0.28	1.30
Range	10.41	5.58E+13
Minimum	16.86	2.48E+14
Maximum	27.26	3.04E+14
95% Confidence Range for Mean	10.07	5.01E+13

Total Nitrogen Percentile Loads for Machado Lake Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (mg/l)**	**Total Nitrogen Load (kg)**
4/12/2010	20.85	41.35	12.28	625.76
10/14/2004	11.93	23.66	21.45	625.56
5/20/2006	8.21	16.28	30.63	614.65
3/20/2011	108.72	215.63	2.29	609.73
2/8/2010	68.01	134.89	3.62	602.62
12/12/2003	7.35	14.58	33.25	597.88
10/17/2004	**59.30**	**117.61**	**4.09**	**592.50**
12/31/2005	35.16	69.74	6.56	563.84
2/27/2006	72.57	143.94	3.15	558.53
4/20/2007	6.87	13.63	29.87	501.99
2/5/2009	14.50	28.77	13.88	492.06
11/2/2008	3.41	6.77	58.49	488.21
12/25/2003	10.35	20.52	18.09	457.74

Total Nitrogen Percentile Load Statistics for Machado Lake Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Total Nitrogen Load (kg)**
Mean	65.18	563.93
Standard Error	18.45	16.37
Median	28.77	592.50
Standard Deviation	66.52	59.02
Sample Variance	4,425.07	3,483.27
Kurtosis	0.45	-1.13
Skewness	1.19	-0.68
Range	208.86	168.03
Minimum	6.77	457.74
Maximum	215.63	625.76
95% Confidence Range for Mean	72.32	64.17

Total Phosphorus Percentile Loads for Machado Lake Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (mg/l)**	**Total Phosphorus Load (kg)**
10/17/2005	7.80	15.47	2.90	55.32
1/19/2010	65.26	129.44	0.34	55.02
10/17/2004	59.30	117.61	0.38	54.49
12/15/2002	45.92	91.09	0.48	54.29
12/10/2006	7.18	14.24	3.08	54.05
4/12/2010	**20.85**	**41.35**	**1.04**	**52.78**
10/14/2004	11.93	23.66	1.80	52.56
5/20/2006	8.21	16.28	2.57	51.56
12/12/2003	7.35	14.58	2.79	50.14
2/27/2006	72.57	143.94	0.27	48.41
12/31/2005	35.16	69.74	0.56	47.96
12/28/2004	65.59	130.10	0.29	45.81
1/9/2005	83.35	165.31	0.22	44.21

Total Phosphorus Percentile Load Statistics for Machado Lake Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Total Phosphorus Load (kg)**
Mean	74.83	51.28
Standard Error	15.83	1.02
Median	69.74	52.56
Standard Deviation	57.09	3.67
Sample Variance	3,259.34	13.49
Kurtosis	-1.72	-0.67
Skewness	0.24	-0.74
Range	151.08	11.11
Minimum	14.24	44.21
Maximum	165.31	55.32
95% Confidence Range for Mean	62.07	3.99

Copper Percentile Loads for Harbor Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Copper Load (kg)**
12/12/2011	404.05	801.42	68.83	68.00
5/20/2006	120.28	238.57	228.19	67.11
12/31/2005	566.58	1,123.79	47.65	66.01
2/5/2009	148.97	295.48	179.61	65.42
4/12/2010	141.87	281.39	187.10	64.90
3/25/2012	**297.39**	**589.85**	**89.23**	**64.88**
12/15/2002	476.17	944.48	54.30	63.22
11/20/2011	171.78	340.72	146.82	61.67
10/17/2005	75.96	150.67	325.35	60.43
2/19/2007	175.05	347.21	137.27	58.76
2/24/2008	1,076.71	2,135.62	20.67	54.42
2/18/2011	115.47	229.04	186.88	52.76
12/23/2003	260.45	516.60	75.28	47.94
3/20/2011	628.05	1,245.72	30.10	46.23
1/18/2010	484.40	960.80	38.68	45.82
1/23/2012	152.28	302.05	122.12	45.47

Copper Percentile Load Statistics for Harbor Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Copper Load (kg)**
Mean	656.46	58.32
Standard Error	131.96	2.07
Median	431.91	61.05
Standard Deviation	527.84	8.28
Sample Variance	278,612.10	68.55
Kurtosis	2.93	-1.35
Skewness	1.61	-0.54
Range	1,984.95	22.53
Minimum	150.67	45.47
Maximum	2,135.62	68.00
95% Confidence Range for Mean	517.28	8.11

Lead Percentile Loads for Harbor Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (µg/l)**	**Lead Load (kg)**
12/31/2005	566.58	1,123.79	9.53	13.20
3/25/2012	297.39	589.85	18.15	13.20
2/5/2009	148.97	295.48	36.16	13.17
9/21/2007	142.91	283.46	37.44	13.08
4/12/2010	141.87	281.39	37.68	13.07
10/17/2005	**75.96**	**150.67**	**69.49**	**12.91**
12/15/2002	476.17	944.48	11.07	12.89
11/20/2011	171.78	340.72	30.22	12.69
2/19/2007	175.05	347.21	28.54	12.22
2/18/2011	115.47	229.04	36.58	10.33
1/19/2010	797.43	1,581.68	4.84	9.45
12/23/2003	260.45	516.60	14.67	9.34
9/22/2007	164.20	325.69	22.86	9.18
5/18/2011	105.88	210.01	35.06	9.08
1/23/2012	152.28	302.05	24.20	9.01
1/18/2010	484.40	960.80	7.58	8.97

Lead Percentile Load Statistics for Harbor Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Lead Load (kg)**
Mean	530.18	11.36
Standard Error	102.00	0.47
Median	333.20	12.46
Standard Deviation	408.02	1.88
Sample Variance	166,476.47	3.54
Kurtosis	1.57	-2.04
Skewness	1.49	-0.30
Range	1,431.01	4.22
Minimum	150.67	8.97
Maximum	1,581.68	13.20
95% Confidence Range for Mean	399.85	1.84

Table Error! No text of specified style in document.**.7: Zinc Percentile Loads for Harbor Watershed Storm Events**

Date	Flow (cfs)	Volume (ac-ft)	Concentration (µg/l)	Zinc Load (kg)
3/25/2012	297.39	589.85	441.07	320.72
12/15/2002	476.17	944.48	268.17	312.23
11/20/2011	171.78	340.72	721.76	303.15
10/17/2005	75.96	150.67	1577.85	293.07
2/19/2007	175.05	347.21	672.12	287.68
2/18/2011	115.47	229.04	938.95	265.11
12/23/2003	**260.45**	**516.60**	**378.91**	**241.31**
1/20/2010	1,176.45	2,333.45	81.12	233.36
1/18/2010	484.40	960.80	194.12	229.92
1/23/2012	152.28	302.05	610.3	227.24
5/18/2011	105.88	210.01	874.59	226.42
3/15/2003	1,143.71	2,268.52	79.31	221.78
12/1/2005	59.04	117.10	1442.49	208.23
3/28/2006	378.42	750.58	220.84	204.33
10/13/2007	177.21	351.49	460.84	199.68
3/20/2011	628.05	1245.72	128.7	197.64

Table Error! No text of specified style in document.**.8: Zinc Percentile Load Statistics for Harbor Watershed Storm Events**

Statistical Analysis	Volume (ac-ft)	Zinc Load (kg)
Mean	728.64	248.24
Standard Error	173.52	10.58
Median	434.05	231.64
Standard Deviation	694.07	42.33
Sample Variance	481,732.36	1,792.18
Kurtosis	1.79	-1.24
Skewness	1.60	0.53
Range	2,216.35	123.08
Minimum	117.10	197.64
Maximum	2,333.45	320.72
95% Confidence Range for Mean	680.19	41.49

Fecal Coliform Percentile Loads for Harbor Watershed Storm Events				
Date	**Flow (cfs)**	**Volume (ac-ft)**	**Concentration (MPN/100mL)**	**Fecal Coliform Load (MPN)**
3/21/2005	121.46	240.92	1,986,553.79	5.90E+15
2/16/2005	100.97	200.27	2,056,755.44	5.08E+15
12/7/2004	100.02	198.38	2,065,795.94	5.05E+15
1/6/2005	86.89	172.35	1,801,689.58	3.83E+15
12/31/2003	**69.00**	**136.85**	**2,133,114.02**	**3.60E+15**
11/19/2004	72.04	142.88	2,032,397.02	3.58E+15
4/27/2005	69.84	138.52	2,049,063.64	3.50E+15
10/14/2004	76.23	151.21	1,704,152.82	3.18E+15

Fecal Coliform Percentile Load Statistics for Harbor Watershed Storm Events		
Statistical Analysis	**Volume (ac-ft)**	**Fecal Coliform Load (MPN)**
Mean	172.67	4.21E+15
Standard Error	13.28	3.49E+14
Median	161.78	3.71E+15
Standard Deviation	37.57	9.86E+14
Sample Variance	1,411.20	9.73E+29
Kurtosis	-0.30	-0.96
Skewness	0.84	0.79
Range	104.07	2.72E+15
Minimum	136.85	3.18E+15
Maximum	240.92	5.90E+15
95% Confidence Range for Mean	52.06	1.37E+15

Attachment J

Hourly Flow Analysis

PAGE INTENTIONALLY LEFT BLANK

Dominguez Channel Watershed – Hourly Analysis for Zinc				
Date	**Total Volume (cf)**	**Zinc Load (kg)**	**Volume Captured (%)**	**Load Captured (%)**
4/12/2010	470.48	415.72	93.00%	99.00%
9/22/2007	171.81	404.70	96.00%	99.00%
1/21/2012	420.90	398.15	91.00%	99.00%
12/28/2004	3,093.31	381.37	43.00%	78.00%
1/18/2010	659.82	375.39	86.00%	98.00%
12/16/2002	718.17	351.61	93.00%	99.00%
2/11/2003	422.63	348.64	87.00%	99.00%
5/22/2006	296.50	344.30	99.00%	99.00%
11/26/2008	681.88	337.65	86.00%	99.00%
11/6/2011	197.65	320.54	90.00%	99.00%
2/27/2006	560.68	311.40	90.00%	99.00%
Average:	**699.44**	**362.68**	**86.73%**	**97.00%**
		Use Reduction:	**90.00%**	

Dominguez Channel Estuary Watershed – Hourly Analysis for Zinc				
Date	**Total Volume (cf)**	**Zinc Load (kg)**	**Volume Captured (%)**	**Load Captured (%)**
3/17/2012	98.31	171.45	94.00%	99.00%
10/13/2007	107.21	170.80	99.00%	99.90%
12/25/2003	203.56	165.93	99.00%	99.00%
4/12/2010	198.11	164.92	87.00%	99.00%
2/27/2006	220.86	164.34	90.00%	99.00%
5/22/2006	143.25	154.45	91.00%	99.00%
12/28/2004	648.49	152.91	53.00%	97.00%
1/21/2012	132.02	148.34	97.00%	99.00%
2/5/2009	142.23	144.54	99.00%	99.90%
Average:	**210.45**	**159.74**	**89.89%**	**98.98%**
		Use Reduction:	**90.00%**	

Wilmington Drain Watershed – Hourly Analysis for Total Nitrogen				
Date	**Total Volume (cf)**	**Total Nitrogen Load (kg)**	**Volume Captured (%)**	**Load Captured (%)**
2/11/2003	386.44	1,204.68	60.00%	90.00%
12/27/2004	211.05	1,155.85	95.00%	99.00%
10/14/2004	44.58	1,090.73	50.00%	100.00%
12/12/2003	28.23	1,056.02	58.00%	99.00%
10/5/2011	30.21	1,031.86	86.00%	99.00%
4/12/2010	60.77	987.00	74.00%	100.00%
12/15/2002	146.22	939.74	92.00%	99.00%
12/17/2010	112.65	918.93	95.00%	99.00%
Average:	**127.52**	**1,048.10**	**76.25%**	**98.13%**
		Use Reduction:	**80.00%**	

Machado Lake Watershed – Hourly Analysis for Fecal Coliform				
Date	**Total Volume (cf)**	**Fecal Coliform Load (MPN)**	**Volume Captured (%)**	**Load Captured (%)**
2/28/2011	27.26	3.04E+14	100.00%	100.00%
2/21/2011	24.26	2.70E+14	100.00%	100.00%
4/21/2005	16.86	2.52E+14	60.00%	99.00%
3/20/2005	17.40	2.48E+14	96.00%	99.00%
Average:	**21.44**	**2.68E+14**	**89.00%**	**99.50%**
		Use Reduction:	**90.00%**	

Harbor Watershed – Hourly Analysis for Zinc				
Date	**Total Volume (cf)**	**Zinc Load (kg)**	**Volume Captured (%)**	**Load Captured (%)**
3/25/2012	589.85	320.72	71.00%	98.00%
12/15/2002	944.48	312.23	94.00%	99.00%
11/20/2011	340.73	303.15	96.00%	99.00%
10/17/2005	150.67	293.07	52.00%	98.00%
2/19/2007	347.21	287.68	51.00%	98.00%
2/18/2011	229.04	265.11	98.00%	99.00%
12/23/2003	516.59	241.31	42.00%	93.00%
1/20/2010	2,333.47	233.45	59.00%	92.00%
1/18/2010	960.80	229.92	50.00%	88.00%
1/23/2012	302.05	227.24	99.00%	99.90%
5/18/2011	210.01	226.42	98.00%	99.90%
3/15/2003	2,268.61	222.12	32.00%	64.00%
12/1/2005	117.10	208.23	99.00%	99.90%
3/28/2006	750.58	204.33	45.00%	95.00%
10/13/2007	351.49	199.68	99.00%	99.90%
3/20/2011	1,245.72	197.64	30.00%	85.00%
Average:	**728.65**	**248.27**	**69.69%**	**94.23%**
		Use Reduction:	**70.00%**	

PAGE INTENTIONALLY LEFT BLANK

Attachment K

Comparison between 2001 and 2012 MS4 Permit MCM Requirements

PAGE INTENTIONALLY LEFT BLANK

The table presented in this attachment compares the Minimum Control Measure (MCM) requirements per the 2001 MS4 Permit (Order No. 01-182) and the current 2012 MS4 Permit (Order No. R4-2012-0175), and corresponds with Section 3.2 of the Dominguez Channel Watershed Management Group (DC WMG) Enhanced Watershed Management Program (EWMP).

Table K.1: Comparison of 2001 MS4 Permit MCMs to 2012 MS4 Permit MCMs

Program	Activity	2012 MS4 Permit Part	2001 MS4 Permit Part
Public Information and Participation Program	Public Education Program - advisory committee meeting (once per year)		4.B
	"No Dumping" message on storm drain inlets (by 2/2/2004)		4.B.1.a
	Reporting hotline for the public (e.g., 888-CLEAN-LA)	VI.D.5.c.i.(1)	4.B.1.b
	Outreach and Education	VI.D.5.d.i.(2)	4.B.1.c
	Make reporting info available to public	VI.D.5.d.i.(4)	4.B.1.b
	Public service announcements, advertising, and media relations	VI.D.5.d.i.(1)	4.B.1.c.(1).(iii)
	Public education materials - proper handling	VI.D.5.d.i.(2)	
	Public education materials - activity specific	VI.D.5.d.i.(3)	
	Educational activities and countywide events	VI.D.5.c.ii	4.B.1.c.(4)
	Quarterly public outreach strategy meetings (by 5/1/2002)		4.B.1.c.(1).(iii)
	Ensure 35 million impressions per year are made on the general public via print, local TV, radio, or other appropriate media		4.B.1.d.(6)
	Constituent-specific outreach information made available to public		4.B.1.d
	Business Assistance Program		4.B.2
	Educate and inform corporate managers about stormwater regulations		4.B.2.a
	Maintain storm water websites	VI.D.5.d.i.(4)	
	Provide education materials to schools (50 percent of all K-12 children every two years)		4.B.1.d.(7)
	Provide independent, parochial, and public schools within jurisdiction with K-12 educational materials	VI.D.5.d.i.(5)	
	LACFCD shall develop a strategy to measure the effectiveness of in-school education programs		4.B.1.d.(9)
	LACFCD shall develop a behavioral change assessment strategy (by 5/1/2002)		4.B.1.d.(10)
	Educate and involve ethnic communities and businesses	VI.D.5.a.i.(3)	4.B.1.d.(2)
Industrial/Commercial Facilities Program	Track critical sources – restaurants	VI.D.6.b.i.(1)	4.C.1.a.(1)
	Track critical sources - automotive service facilities	VI.D.6.b.i.(1)	4.C.1.a.(1)
	Track critical sources – RGOs	VI.D.6.b.i.(1)	4.C.1.a.(1)
	Track critical sources - nurseries and nursery centers	VI.D.6.b.i.(1)	
	Track critical sources – USEPA Phase I facilities	VI.D.6.b.i.(2)	4.C.1.a.(2)
	Track critical sources - other federally-mandated facilities [40 Code of Federal Regulations (CFR) 122.26(d)(2)(iv)(C)]	VI.D.6.b.i.(3)	4.C.1.a.(2)
	Track critical sources - other commercial/industrial facilities that Permittee determines may contribute substantial constituent load to MS4	VI.D.6.b.i.(4)	
	Facility information - name of facility	VI.D.6.b.ii.(1)	4.C.1.b
	Facility information - name of owner/operator	VI.D.6.b.ii.(2)	4.C.1.b
	Facility information - contact information of owner/operator	VI.D.6.b.ii.(2)	
	Facility information - address	VI.D.6.b.ii.(3)	4.C.1.b
	Facility information – North American Industry Classification System (NAICS) code	VI.D.6.b.ii.(4)	
	Facility information – Standard Industrial Classification (SIC) code	VI.D.6.b.ii.(5)	4.C.1.b
	Facility information - narrative description of the activities performed and/or principal products produced	VI.D.6.b.ii.(6)	4.C.1.b
	Facility information - status of exposure of materials to storm water	VI.D.6.b.ii.(7)	
	Facility information - name of receiving water	VI.D.6.b.ii.(8)	
	Facility information - ID whether tributary to 303(d) listed water and generates constituents for which water is impaired	VI.D.6.b.ii.(9)	
	Facility information - NPDES/general industrial permit status	VI.D.6.b.ii.(10)	4.C.1.b
	Facility information - No Exposure Certification status	VI.D.6.b.ii.(11)	
	Update inventory of critical sources annually	VI.D.6.b.iii	4.C.1.c
	Notify inventoried industrial/commercial sites on BMP requirement	VI.D.6.c.i	
	Business Assistance Program	VI.D.6.c.ii	
	Inspect critical commercial sources (restaurants, automotive service facilities, retail gasoline outlets and automotive dealerships)	VI.D.6.d.i	4.C.2.a
	Inspect critical industrial sources (phase 1 facilities and federally-mandated facilities)	VI.D.6.e	4.C.2.b
	Verify No Exposure Certifications of applicable facilities	VI.D.6.e.i.(3)	
	Verify Waste Discharge Identification (WDID) Number of applicable facilities	VI.D.6.e.ii.(1)	4.C.2.b
	Source control BMPs	VI.D.6.f	4.C.3
	Provisions for Significant Ecological Areas (SEAs) (Environmentally Sensitive Areas (ESAs))	VI.D.6.g	4.C.3.b
	Progressive enforcement of compliance with stormwater requirements	VI.D.6.h	4.C.3.c
	Interagency coordination		4.C.3.d

Table K.1: Comparison of 2001 MS4 Permit MCMs to 2012 MS4 Permit MCMs

Program	Activity	2012 MS4 Permit Part	2001 MS4 Permit Part
Planning and Land Development Program	Peak flow control (post-development stormwater runoff rates, velocities, and duration)	VI.D.7.c.i	4.D.1
	Hydromodification Control Plan	VI.D.7.c.iv	4.D.1
	SUSMP Ordinance		4.D.2
	LID Ordinance	VI.D.7.d.i	
	Volumetric treatment control (SWQDv) BMPs	VI.D.7.c.i	4.D.3.a
	Flow-based treatment control BMPs	VI.D.7.c.i.(3)	4.D.3.b
	Prioritize BMP selection based on retention/detention versus treatment	VI.D.7.a.i.(7)	
	Alternative compliance measures through groundwater replenishment	VI.D.7.c.ii	
	Alternative compliance measures through biofiltration on- or off-site	VI.D.7.c.iii	
	Require implementation of post-construction Planning Priority Projects as treatment controls to mitigate storm water pollution	VI.D.7.b.ii	4.D.4
	Require verification of maintenance provisions for BMPs	VI.D.7.d.i	4.D.8
	California Environmental Quality Act process update to include consideration of potential stormwater quality impacts	VI.D.7.d.i	4.D.11
	General Plan Update to include stormwater quality and quantity management considerations and policies		4.D.12
	Targeted employee training of development planning employees		4.D.13
	Bioretention and biofiltration systems	VI.D.7.c.iii.(1)	
	SUSMP guidance document		4.D.14
	Annual reporting of mitigation project descriptions	VI.D.7.c.vi	
	Implement post construction BMP maintenance inspections	VI.D.7.d.iv.(c)	
Development and Construction Program	Erosion control BMPs	VI.D.8.d	4.E.1.d
	Sediment control BMPs	VI.D.8.d	4.E.1.a
	For sites less than 1 acre, implement erosion and sediment control BMPs through the use of a erosion and sediment control ordinance	VI.D.8.d	
	Non-storm water containment on project site	VI.D.8.d	4.E.1.c
	Waste containment on project site	VI.D.8.d	4.E.1.c
	Require preparation of a Local SWPPP or Erosion and Sediment Control Plan/SWPPP for approval of permitted sites	VI.D.8.d	4.E.2
	Inspect construction sites equal to or greater than one acre		4.E.2.b
	Electronic tracking system (database and/or Geographic Information System)	VI.D.8.g	
	Required documents prior to issuance of building/grading permit	VI.D.8.h.ii.(1)	4.E.3.a
	Implement technical BMP standards	VI.D.8.i.i	
	Progressive enforcement	VI.D.8.k	4.E.4
	Permittee staff training	VI.D.8.l	4.E.5
Public Agency Activities Program	Sewage system, maintenance, overflow, and spill prevention plans		4.F.1
	Public construction activities management	VI.D.9.b	4.F.2
	Public facility inventory	VI.D.9.c	
	Inventory of existing development for retrofitting opportunities	VI.D.9.d	
	Public facility and activity management	VI.D.9.e	
	Vehicle maintenance, material storage facilities, corporation yard management	VI.D.9.f	4.F.3
	Landscape, park, and recreational facilities management	VI.D.9.g	4.F.4
	Storm drain operation and maintenance	VI.D.9.h	4.F.5
	Streets, roads, and parking facilities maintenance	VI.D.9.i	4.F.6
	Parking facilities management	VI.D.9.i	4.F.7
	Emergency procedures	VI.D.9.j	4.F.8
	Alternative treatment control BMPs feasibility study		4.F.10
	Municipal employee and contractor training	VI.D.9.k	
IC/ID Program	Implementation program	VI.D.10.a.i	4.G.1.a
	MS4 Tracking (mapping) of permitted connections and illicit connections and discharges		4.G.1.b
	Procedures for conducting source investigations for IC/IDs	VI.D.10.b	4.G.2.a
	Procedures for eliminating IC/IDs	VI.D.10.c	4.G.2.b
	Procedures for public reporting of ID	VI.D.10.d	
	IC/ID response plan	VI.D.10.e	4.G.1.a
	IC/IDs education and training for staff	VI.D.10.f	4.G.1.c

Attachment L

Summary of Existing MCMs Implemented by the DC WMG

PAGE INTENTIONALLY LEFT BLANK

This attachment includes tables summarizing the existing Minimum Control Measures (MCMs) implemented by the Dominguez Channel Watershed Management Group (DC WMG), corresponding with Section 4.2 of the DC WMG Enhanced Watershed Management Program (EWMP).

Attachment L List of Tables

PAGE INTENTIONALLY LEFT BLANK

Table L.1: DC WMG Existing Minimum Control Measures Reported during Permit Year 2010-2011								
Program Tasks and Milestones	**2001 MS4 Permit Part**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County[1]**
General Permit Requirements								
Prohibit non-stormwater discharges into the MS4 and watercourses	1	Feb-02	I	I	I	I	I	I
Comply with Receiving Water Limitations (RWL) requirements	2	Feb-02	I	I	I	I	I	I
Implement the Stormwater Quality Management Plan (SQMP)	3.A.1	Feb-02	I	I	I	I	I	I
Revise the SQMP	3.A.4	Aug-02	NA	I	NA	I	NA	I
Implement the most effective combination of BMPs for storm water/ urban runoff pollution	3.B	Feb-02	I	I	I	D	I	I
Prepare and submit Annual Budget Summary as part of the annual report to the RWQCB	3.E.5	Oct-02	I	I	I	I	I	I
Conduct quarterly watershed management committee meetings	3.F.3.g	Mar-02	NA	NA	NA	NA	I	I
Amend and adopt county ordinance to enforce all requirements of the permit, if needed	3.G.3	Nov-02	I	I	I	NA	I	I
Submit to RWQCB a legal statement demonstrating the necessary legal authority	3.G.4	Dec-02	I	I	I	I	I	I
Prepare and submit to the RQWCB individual annual reports	1.B	Aug-02	I	I	I	I	I	I
Special Provisions								
Public Information and Participation - Permit Requirements								
Implement public information and participation program	4.B	Feb-02	I	I	I	I	I	I
Convene an Advisory Committee	4.B	ASAP	NA	NA	NA	I	NA	I
Mark all storm drain inlets with a "no dumping" message	4.B.1.a	Feb-04	I	I	I	I	I	I
Maintain the (888) CLEAN-LA hotline	4.B.1.b	Feb-02	NA	NA	NA	I	NA	I
Provide a list of reporting contacts to public through www.888CleanLA.com	4.B.1.b	Mar-02	I	NA	NA	NA	I	I
Media campaign for Storm Water Pollution Prevention (SPP)	4.B.1.c.1	Feb-02	NAv	NA	NA	NA	NA	I
Strategy to educate ethnic communities about SPP	4.B.1.c.2	Feb-03	NA	NA	NA	NA	NA	I
Enhance outreach for proper disposal of cigarette butts	4.B.1.c.3	Feb-02	NA	NA	NA	I	NA	I

Table L.1: DC WMG Existing Minimum Control Measures Reported during Permit Year 2010-2011								
Program Tasks and Milestones	**2001 MS4 Permit Part**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County[1]**
Conduct educational activities within jurisdiction and participate in county-wide events	4.B.1.c.4	Feb-02	I	I	I	I	I	I
Organize Public Outreach Strategy meetings quarterly	4.B.1.c.5	May-02	NA	NA	NA	NA	NA	I
Conduct Media Outreach to 35 million impressions per year	4.B.1.c.6	Annually	NA	NA	NA	NA	NA	I
Distribute SPP information to K-12 schools	4.B.1.c.7	-	I	NC	NA	I	I	I
Coordinate and provide contact information for public education activities	4.B.1.c.8	Apr-02	I	I	I	I	I	I
Strategy to measure effectiveness of in-school programs	4.B.c.9	May-02	NA	NA	NA	NA	NA	I
Behavioral change assessment strategy towards SPP	4.B.c.10	May-02	NA	NA	NA	NA	NA	I
Coordinate watershed-specific pollution prevention outreach programs	4.B.1.d	Feb-03	I	NA	I	NA	I	I
Corporate Outreach Program to target retail gas outlets and restaurant chains	4.B.2.a	Feb-03	I	NA	NA	NA	NA	I
Coordinate an SPP program for a Business Assistance Program	4.B.2.b	Optional	NA	I	NA	NA	I	I
Industrial/Commercial Facilities Control - Permit Requirements								
Maintain a list of industrial/commercial facilities to be inspected	4.C.1	Aug-02	I	I	I	I	I	I
Inspect/visit industrial/commercial facilities appropriately	4.C.2	Aug-04	I	I	I	I	I	I
Initiate progressive enforcement for facilities failing to implement BMP's	4.C.3	-	I	I	I	I	I	I
Inspect restaurants twice during Permit cycle	4.C.2	Aug-04	I	I	I	I	I	I
Development Planning - Permit Requirements								
Implement development planning program that requires SUSMP	4.D	Feb-02	I	I	I	I	I	I
Develop peak flow control criteria	4.D.1	Feb-05	NA	NA	NA	NA	I	I
Amend codes and ordinances to give legal effect to SUSMP changes in permit	4.D.2.a	Aug-02	I	I	I	I	I	I
Implement revised SUSMP	4.D.2.b	Sep-02	I	I	I	I	I	I
Submit an Environmentally Sensitive Areas (ESAs) Delineation map to RWQCB	4.D.2.d	Jun-02	I	I	I	I	I	I

Table L.1: DC WMG Existing Minimum Control Measures Reported during Permit Year 2010-2011								
Program Tasks and Milestones	**2001 MS4 Permit Part**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County[1]**
Implement SUSMP requirements for industrial/commercial projects >1 acre	4.D.5	Mar-03	I	I	I	I	I	I
Update CEQA guidelines to include specific storm water related issues	4.D.11	Feb-02	I	I	I	I	I	I
Update General Plan to include specific storm water related issues	4.D.12	-	I	NA	NA	I	I	I
Train targeted employees in permit requirements for Development Planning	4.D.13	Varies	I	I	I	I	I	I
Develop and make SUSMP guidelines available to the developer	4.D.14.a	Feb-02	I	I	I	I	I	I
Develop a technical manual for the siting and design of BMPs	4.D.14.b	Feb-04	I	NA	NA	NA	I	I
Development Construction - Permit Requirements								
Implement a development construction program	4.E.1 &2	Feb-02	I	I	I	I	I	I
Require proof of a Waste Discharger ID (WDID) number prior to filing Notice of Intent (NOI)	4.E.2.c	Mar-03	I	I	I	I	I	I
Require proof of an NOI and a copy of SWPPP for a transfer of ownership	4.E.3	Feb-02	I	I	I	I	I	I
Track the number of issued building and grading permits	4.E.3.c	Feb-02	I	I	I	I	I	I
Refer General Construction Activities Stormwater Permit (GCASP) violations to RWQCB	4.E.4	Feb-02	I	I	I	I	I	I
Train targeted employees in permit requirements for Development Construction	4.E.5	Varies	I	I	I	I	I	I
Public Agency Activities - Permit Requirements								
Implement a sewer overflow prevention and response program	4.F.1	Aug-02	I	I	I	I	I	I
Implement Development Planning Program at Permittee-owned construction projects	4.F.2.a	Aug-02	I	I	I	I	I	I
Implement Development Construction Program at Permittee-owned construction projects	4.F.2.b	Feb-02	I	I	I	I	I	I
Develop, if needed, and implement SWPPPs for field facilities	4.F.3	Feb-02	I	I	I	I	I	I
Equip wash areas with a clarifier, pre-treatment device, or be connected to sewer	4.F.3.c	Feb-02	I	I	I	I	I	I
Store pesticides/herbicides/fertilizers indoors and apply only in accordance	4.F.4.c&g	Feb-02	I	I	I	I	I	I
Designate Catch Basins as priority A, B, or C	4.F.5.a	Feb-02	I	I	I	I	I	I

Table L.1: DC WMG Existing Minimum Control Measures Reported during Permit Year 2010-2011								
Program Tasks and Milestones	**2001 MS4 Permit Part**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County[1]**
Ensure that Catch Basins (CBs) are cleaned appropriately	4.F.5.c.1	Feb-02	I	I	I	I	I	I
Place temporary screens on CBs prior to special events or cleanout immediately afterwards	4.F.5.c.2	Feb-02	I	I	I	I	I	I
Place and maintain trash receptacles at all transit stops with shelters	4.F.5.c.3	Feb-02	I	I	I	I	I	I
Inspect the legibility of CB stencils and re-label within 180 days if necessary	4.F.5.d	-	I	I	I	I	I	I
Visually monitor and clean all open channels annually for debris	4.F.5.e.1	Feb-02	NA	I	I	I	I	I
Designate curbed streets as priority A, B, or C based on liter accumulation	4.F.6.a.b	Feb-02	I	I	I	I	I	I
Recover saw cutting waste and dispose it offsite	4.F.6.c	Feb-02	I	I	I	I	I	I
Train targeted employees in permit requirements for Public Agency Activities	4.F.6.d	Varies	I	I	I	I	I	I
Inspect and, if needed, clean Permittee owned parking lots twice per month, but at least once	4.F.7	Feb-02	I	I	I	I	I	I
Conduct a dry weather diversion study and create a priority list of drains for diversion	4.F.10	Jul-03	I	NA	NA	NA	I	I
Illicit Connections / Illicit Discharges - Permit Requirements								
Develop an Implementation Program which specifies how revisions of the IC/ID SQMP are implemented	4.G.1.a	-	I	I	I	I	D	I
Create a database for permitted storm drain connections and map IC/ID	4.G.1.b	Feb-03	NA	I	I	I	I	I
Perform IC/ID Trend Analysis	4.G.1.b	Feb-03	NA	NA	NA	NA	NA	I
Train targeted employees in the permit requirements for IC/ID	4.G.1.c	Varies	I	I	I	I	I	I
Field screen the storm drain system for illicit connections in open channels	4.G.2.a	Feb-03	NA	I	I	I	I	I
Field screen the storm drain system for illicit connections in underground storm drains in priority areas	4.G.2.a	Feb-05	I	I	I	I	I	I
Field screen the storm drain system for illicit connections in underground s/d larger than 36 inch diameter	4.G.2.a	Dec-06	I	I	I	I	I	I
Review all permitted connections to the storm drain system for compliance	4.G.2.a	Dec-06	NA	NA	NA	I	I	I
Investigate illicit connections 21 days after discovery	4.G.2.b	-	I	I	I	I	I	I
Terminate illicit connections 180 days after confirmation	4.G.2.b	-	I	I	I	I	I	I

Table L.1: DC WMG Existing Minimum Control Measures Reported during Permit Year 2010-2011

Program Tasks and Milestones	2001 MS4 Permit Part	Due Date	El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	Los Angeles County[1]
Respond to illicit discharges within one business day of discovery	4.G.3.a	-	I	I	I	I	I	I
Investigate illicit discharges as soon as practicable	4.G.3.a	-	I	I	I	I	I	I

[1] Data is a combination of Los Angeles County and Los Angeles County Flood Control District
NA - Not Applicable or Completed
D - Developed
I - Program Implemented/Completed

Table L.2: DC WMG Existing Minimum Control Measures Reported during Permit Year 2011-2012									
Program Tasks and Milestones	**2001 MS4 Permit Section**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County**	**LACFCD**
General Permit Requirements									
Prohibit non-stormwater discharges into the MS4 and watercourses	1	Feb-02	I	I	I	I	I	I	I
Comply with Receiving Water Limitations (RWL) requirements	2	Feb-02	I	I	I	I	I	I	I
Implement the Stormwater Quality Management Plan (SQMP)	3.A.1	Feb-02	I	I	I	I	I	I	I
Revise the SQMP	3.A.4	Aug-02	NA	I	NA	I	NA	I	I
Implement the most effective combination of BMPs for storm water/ urban runoff pollution	3.B	Feb-02	I	I	I	I	I	I	I
Prepare and submit Annual Budget Summary as part of the annual report to the RWQCB	3.E.5	Oct-02	I	I	I	I	I	I	I
Conduct quarterly watershed management committee meetings	3.F.3.g	Mar-02	NA	NA	I	I	I	I	I
Amend and adopt county ordinance to enforce all requirements of the permit, if needed	3.G.3	Nov-02	I	I	I	I	I	I	I
Submit to RWQCB a legal statement demonstrating the necessary legal authority	3.G.4	Dec-02	I	I	I	I	I	I	I
Prepare and submit to the RQWCB individual annual reports	1.B	Aug-02	I	I	I	I	I	I	I
Special Provisions									
Public Information and Participation - Permit Requirements									
Implement public information and participation program	4.B	Feb-02	I	I	I	I	I	I	I
Convene an Advisory Committee	4.B	ASAP	NA	NA	I	I	NA	I	I
Mark all storm drain inlets with a "no dumping" message	4.B.1.a	Feb-04	I	I	I	I	I	I	I
Maintain the (888) CLEAN-LA hotline	4.B.1.b	Feb-02	NA	NA	I	I	NA	I	I
Provide a list of reporting contacts to public through www.888CleanLA.com	4.B.1.b	Mar-02	I	NA	I	I	I	I	I
Media campaign for Storm Water Pollution Prevention (SPP)	4.B.1.c.1	Feb-02	NA	NA	I	I	NA	NA	I
Strategy to educate ethnic communities about SPP	4.B.1.c.2	Feb-03	NA	NA	I	NA	NA	NA	I
Enhance outreach for proper disposal of cigarette butts	4.B.1.c.3	Feb-02	NA	NA	I	I	NA	I	I

Table L.2: DC WMG Existing Minimum Control Measures Reported during Permit Year 2011-2012									
Program Tasks and Milestones	**2001 MS4 Permit Section**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County**	**LACFCD**
Conduct educational activities within jurisdiction and participate in county-wide events	4.B.1.c.4	Feb-02	I	I	I	I	I	I	I
Organize Public Outreach Strategy meetings quarterly	4.B.1.c.5	May-02	NA	NA	NA	I	NA	NA	I
Conduct Media Outreach to 35 million impressions per year	4.B.1.c.6	Annually	NA	NA	NA	NA	NA	NA	I
Distribute SPP information to K-12 schools	4.B.1.c.7	-	I	NA	NA	I	I	NA	I
Coordinate and provide contact information for public education activities	4.B.1.c.8	Apr-02	I	I	I	I	I	I	I
Strategy to measure effectiveness of in-school programs	4.B.c.9	May-02	NA	NA	NA	I	NA	NA	I
Behavioral change assessment strategy towards SPP	4.B.c.10	May-02	NA	NA	NA	NA	NA	NA	I
Coordinate watershed-specific pollution prevention outreach programs	4.B.1.d	Feb-03	I	NA	NA	I	I	I	I
Corporate Outreach Program to target retail gas outlets and restaurant chains	4.B.2.a	Feb-03	I	NA	NA	NA	NA	NA	I
Coordinate an SPP program for a Business Assistance Program	4.B.2.b	Optional	NA	I	NA	NA	I	NA	NA
Industrial/Commercial Facilities Control - Permit Requirements									
Maintain a list of industrial/commercial facilities to be inspected	4.C.1	Aug-02	I	I	I	I	I	I	NA
Inspect/visit industrial/commercial facilities appropriately	4.C.2	Aug-04	I	I	I	I	I	I	NA
Initiate progressive enforcement for facilities failing to implement BMP's	4.C.3	-	I	I	I	I	I	I	NA
Inspect restaurants twice during Permit cycle	4.C.2	Aug-04	I	I	I	I	I	I	NA
Development Planning - Permit Requirements									
Implement development planning program that requires SUSMP	4.D	Feb-02	I	I	I	I	I	I	NA
Develop peak flow control criteria	4.D.1	Feb-05	NA	NA	I	I	I	I	NA
Amend codes and ordinances to give legal effect to SUSMP changes in permit	4.D.2.a	Aug-02	I	I	I	I	I	I	NA
Implement revised SUSMP	4.D.2.b	Sep-02	I	I	I	I	I	I	NA
Submit an Environmentally Sensitive Areas (ESAs) Delineation map to RWQCB	4.D.2.d	Jun-02	I	I	I	I	I	I	NA

Table L.2: DC WMG Existing Minimum Control Measures Reported during Permit Year 2011-2012									
Program Tasks and Milestones	**2001 MS4 Permit Section**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County**	**LACFCD**
Implement SUSMP requirements for industrial/commercial projects >1 acre	4.D.5	Mar-03	I	I	I	I	I	I	NA
Update CEQA guidelines to include specific storm water related issues	4.D.11	Feb-02	I	I	I	I	I	I	NA
Update General Plan to include specific storm water related issues	4.D.12	-	I	NA	I	I	I	I	NA
Train targeted employees in permit requirements for Development Planning	4.D.13	Varies	I	I	I	I	I	I	NA
Develop and make SUSMP guidelines available to the developer	4.D.14.a	Feb-02	I	I	I	I	I	I	NA
Develop a technical manual for the siting and design of BMPs	4.D.14.b	Feb-04	I	NA	NA	I	I	I	NA
Development Construction - Permit Requirements									
Implement a development construction program	4.E.1 &2	Feb-02	I	I	I	I	I	I	NA
Require proof of a Waste Discharger ID (WDID) number prior to filing Notice of Intent (NOI)	4.E.2.c	Mar-03	I	I	I	I	I	I	NA
Require proof of an NOI and a copy of SWPPP for a transfer of ownership	4.E.3	Feb-02	I	I	I	I	I	I	NA
Track the number of issued building and grading permits	4.E.3.c	Feb-02	I	I	I	I	I	I	NA
Refer General Construction Activities Stormwater Permit (GCASP) violations to RWQCB	4.E.4	Feb-02	I	I	I	I	I	I	NA
Train targeted employees in permit requirements for Development Construction	4.E.5	Varies	I	I	I	I	I	I	NA
Public Agency Activities - Permit Requirements									
Implement a sewer overflow prevention and response program	4.F.1	Aug-02	I	I	I	I	I	I	NA
Implement Development Planning Program at Permittee-owned construction projects	4.F.2.a	Aug-02	I	I	I	I	I	I	NA
Implement Development Construction Program at Permittee-owned construction projects	4.F.2.b	Feb-02	I	I	I	I	I	I	I
Develop, if needed, and implement SWPPPs for field facilities	4.F.3	Feb-02	I	I	I	I	I	I	I
Equip wash areas with a clarifier, pre-treatment device, or be connected to sewer	4.F.3.c	Feb-02	I	I	I	I	I	I	I
Store pesticides/herbicides/fertilizers indoors and apply only in accordance	4.F.4.c&g	Feb-02	I	I	I	I	I	I	I
Designate Catch Basins as priority A, B, or C	4.F.5.a	Feb-02	I	I	I	I	I	I	I

Table L.2: DC WMG Existing Minimum Control Measures Reported during Permit Year 2011-2012									
Program Tasks and Milestones	**2001 MS4 Permit Section**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County**	**LACFCD**
Ensure that Catch Basins (CBs) are cleaned appropriately	4.F.5.c.1	Feb-02	I	I	I	I	I	I	I
Place temporary screens on CBs prior to special events or cleanout immediately afterwards	4.F.5.c.2	Feb-02	I	I	I	I	I	I	I
Place and maintain trash receptacles at all transit stops with shelters	4.F.5.c.3	Feb-02	I	I	I	I	I	I	NA
Inspect the legibility of CB stencils and re-label within 180 days if necessary	4.F.5.d	-	I	I	I	I	I	I	I
Visually monitor and clean all open channels annually for debris	4.F.5.e.1	Feb-02	NA	I	I	I	I	I	I
Designate curbed streets as priority A, B, or C based on liter accumulation	4.F.6.a.b	Feb-02	I	I	I	I	I	I	NA
Recover saw cutting waste and dispose it offsite	4.F.6.c	Feb-02	I	I	I	I	I	I	I
Train targeted employees in permit requirements for Public Agency Activities	4.F.6.d	Varies	I	I	I	I	I	I	I
Inspect and, if needed, clean Permittee owned parking lots twice per month, but at least once	4.F.7	Feb-02	I	I	I	I	I	I	I
Conduct a dry weather diversion study and create a priority list of drains for diversion	4.F.10	Jul-03	I	NA	I	NA	I	NA	I
Illicit Connections / Illicit Discharges - Permit Requirements									
Develop an Implementation Program which specifies how revisions of the IC/ID SQMP are implemented	4.G.1.a	-	I	I	I	I	D	I	I
Create a database for permitted storm drain connections and map IC/ID	4.G.1.b	Feb-03	NA	I	I	I	I	I	I
Perform IC/ID Trend Analysis	4.G.1.b	Feb-03	NA	NA	I	NA	NA	I	I
Train targeted employees in the permit requirements for IC/ID	4.G.1.c	Varies	I	I	I	I	I	I	I
Field screen the storm drain system for illicit connections in open channels	4.G.2.a	Feb-03	NA	I	I	I	I	I	I
Field screen the storm drain system for illicit connections in underground storm drains in priority areas	4.G.2.a	Feb-05	I	I	I	I	I	I	I
Field screen the storm drain system for illicit connections in underground s/d larger than 36 inch diameter	4.G.2.a	Dec-06	I	I	I	I	I	I	I
Review all permitted connections to the storm drain system for compliance	4.G.2.a	Dec-06	NA	NA	I	I	I	I	I
Investigate illicit connections 21 days after discovery	4.G.2.b	-	I	I	I	I	I	I	I
Terminate illicit connections 180 days after confirmation	4.G.2.b	-	I	I	I	I	I	I	I

Table L.2: DC WMG Existing Minimum Control Measures Reported during Permit Year 2011-2012									
Program Tasks and Milestones	**2001 MS4 Permit Section**	**Due Date**	**El Segundo**	**Hawthorne**	**Inglewood**	**Lomita**	**Los Angeles**	**Los Angeles County**	**LACFCD**
Respond to illicit discharges within one business day of discovery	4.G.3.a	-	I	I	I	I	I	I	I
Investigate illicit discharges as soon as practicable	4.G.3.a	-	I	I	I	I	I	I	I

NA - Not Applicable or Completed
D - Developed
I - Program Implemented/Completed

Attachment M

MCM Evaluation

PAGE INTENTIONALLY LEFT BLANK

TECHNICAL MEMORANDUM

To: Dominguez Channel Watershed Management Group (Alfredo Magallanes/City of Los Angeles; Bill Johnson/Los Angeles County; Doug Krauss/City of Hawthorne; Loren Amimoto/City of Inglewood; Lifan Xu/City of El Segundo; Andrew Jirik/Port of Los Angeles)

From: Team Dominguez (Richard Haimann/HDR, Stephanie Shamblin Gray/HDR)

Date: September 22, 2014

Subject: **MCM Evaluation Methodology – Addendum, Revised 9/22/2014**

---

1. Background

In February 2014, HDR/SGA presented the City of Los Angeles Bureau of Sanitation (City) with the "MCM Evaluation Methodology" technical memorandum (memo). The memo (Attachment 1) presented research findings that may potentially be used to quantify pollutant load reductions as well as the uncertainties associated with those findings.

The memo demonstrated that strategies addressing polluting behaviors using various Minimum Control Measures (MCMs) may be anticipated to produce a wide range of pollutant load reduction. Factors influencing the results include the level of control the City has over the strategy, and the constructs that are affected by the outreach campaigns (guilt, social norm, etc.). The range of pollutant load reduction could be as low as around 2% for a minor pollutant that is a partial consequence of a strategy, to as high as 72% for a major pollutant that is entirely the consequence of a behavior that the City has significant control over (i.e. City staff behaviors).

It should be noted that these pollutant reductions were *per behavior* and no single behavior was expected to be responsible for all of the pollutants entering the watershed. Each of the corrections to behaviors and implementation of potential behaviors will only affect some fraction of the pollutant entering the watershed as there are typically numerous sources of a pollutant. That fraction was not evaluated. Additionally, the percent reduction would apply only to the location where the strategy was employed. Some strategies are geospatially broad (e.g. public education and outreach), while others are geographically constrained (e.g. keeping trash receptacles covered at municipal maintenance facilities). The geospatial contribution of pollutants and reductions in loads are not evaluated as part of this analysis.

2. Description of Previous Effort

The Enhanced Watershed Management Plan (EMWP) for the Dominguez Channel Watershed is a process of planning projects and control measures within the watershed and estimating the pollutant load reductions and resulting receiving water concentrations that would occur when those projects and control measures are implemented.

A number of the control measures anticipated are activities within Minimum Control Measure (MCM) categories. To estimate changes in runoff and receiving water quality based on expanding MCMs, a modeling effort, called a Reasonable Assurance Analysis (RAA), was proposed. The model requires some estimate of the pollutant load reduction that may occur on parcels where MCMs are effective within the watershed.

The MCMs reviewed in the previous memo (Attachment 1) require behavior change among people in order to be successfully implemented. Key to estimating pollutant load reductions from behaviors, then, is

understanding what behaviors are being targeted, the likelihood of behavior change, and the impact of those behaviors on pollutant loads.

To develop the model, research of pro-environmental behavior and meta-analytic studies was conducted. This provided a model to consistently estimate the likelihood of behavior change from differing levels of MCM efforts. This model took into consideration the varying public education and outreach approaches and baseline characteristics of the population and allowed us to estimate that given a certain investment in public education and outreach efforts, some percent of the public will be likely to change behaviors that will result in reducing the loading of a given pollutant. For example, with certain investments in public education and outreach, the literature suggests that one can see approximately 18% of the population outreached changing to a lower pollutant behavior for certain pollutant types. The type of pollutant depends on the behavior change investment. For example, an investment in a campaign to educate, inform, and obtain behavior change associated with pet waste management would affect bacteria, but not necessarily sediment, metals, or pesticides. From the research conducted, the percent of people likely to adopt a less polluting behavior given a certain level of MCM investment can be estimated.

The next step was to estimate the expected reduction in a given pollutant when behavior changes to a lower polluting behavior. For each behavior type, we categorized the pollutants as *entirely*, *largely*, or *partially* the consequence of the polluting behavior the strategy addresses. This is based primarily on the amount of control a strategy has on behavior. The consequence of *entirely*, *largely*, and *partially* polluting behaviors is set at 100%, 66%, and 33%, respectively. Using the studies reviewed, it is reasonable to state that pollutant load reductions from different behavior changes can be categorized as high, medium, or low for those parcels or areas where the behavior change is expected to occur. No pollutant was considered to be removed 100% in any of the behaviors, so the highest value considered was 90%. Thus, reasonable values for high, medium, and low reduction are 90%, 60%, and 30%, respectively. For the distinct purpose of estimating percent pollutant load reduction in the EWMP planning effort, we determined that low pollutant load reduction would be between approximately 10 and 30 percent, medium pollutant load reduction would between 20 and 60 percent, and high pollutant load reduction would be between 30 and 90 percent.

Finally, we developed a potential range of pollutant load reductions from different behaviors across stormwater pollutant types. The 18% value is the most commonly observed impact of public education and outreach from a pure problem awareness campaign and represents the low range of reduction. An 80% value is the estimated effectiveness of pollution prevention and good housekeeping efforts mandated by municipalities and represents the high range of reduction. This gave us a model that is based on as much reputable data and research as is available to provide some basis for pollutant load reductions for classes of pollutants under different investments in MCMs.

3. Average Percent Removal

To streamline the modeling of pollutant load reduction, the City seeks to estimate a generalized average percent removal that can be used for all MCMs to be implemented and for all pollutants.

As described above, the February, 2014 memo presented the pollutant load reductions that may be anticipated from potential MCMs as a range of percent removals. The MCMs evaluated were based on the Center for Watershed Protection's (CWP's) most common residential and public behaviors that contribute pollutants to watersheds.

To determine an appropriate overall percent removal, a more select list of MCMs that may be expected to be implemented by the City was to be compiled. To that end, technical memorandum "Task 2.2 – Summary of Existing & Potential Control Measures" (March 2014) was used as a guide for future MCMs.

MCM categories that were found to have new activities to implement for the 2012 MS4 permit are as follows:

- Public Information and Participations Program
- Industrial/Commercial Facilities Program
- Planning and Land Development Program
- Development and Construction Program
- Illicit Connection and Illicit Discharge Detection and Elimination Program (IC/ID Program)
- Public Agency Activities Program

Specific MCMs in each of the categories were then compared to the memo's "Appendix A – List of Estimated Pollutant Behavior Impact Ranges" to estimate percent removal of pollutants for each constituent potentially attributable to the MCM. Any MCMs not previously evaluated were evaluated here using the same process. MCMs that were not specific to a behavior or activity associated with a set of pollutants (e.g., Public Education – Activity Specific) but had some type of related activity otherwise stated or implied in the document were evaluated as an activity associated with the non-specific MCMs (e.g., Public Education – Activity Specific: *Pet Waste Pick-Up*). The results of this effort are shown in the attached Table 1. The high-end range of the values represented the pollutant removal that may be anticipated from strategies with which the City has significant direct control (i.e. city staff are performing the behavior desired). The low-end range of the values would be anticipated with strategies associated with only public behavior change.

Each MCM was then evaluated to determine if it would be considered City controlled or public education. Although many activities in several other categories could be considered more heavily controlled, only the activities in the Public Agency Activities Program were considered to be under City control. This is a more conservative approach in that it would tend to under-estimate pollutant load reductions as a factor of safety. The average percent removal of all activities was then calculated for each constituent.

Table 2 presents an example showing two activities and the average percent removal of each constituent. For example, operations and maintenance of roads would be controlled by the City. The previous memo (Attachment 1) presented both the high and low range of percent removal that may be anticipated. Those values are shown in Table 2. Because this is a City controlled activity, the higher percent removal could be used and the value used to calculate the average percent pollutant removal is shown with a highlight in Table 2. An activity like pet waste pickup would rely more on public education and participation and the lower value could be used (shown highlighted). It should be noted that this value does not include any additional behavioral factors that certain messaging campaigns may create, such as guilt, that would increase the percent removal that may be anticipated.

Table 2. Range of Pollutant Load Reduction Effectiveness (%)

Pollutant Generating Activity	Sediment		Nutrients		Metals		Bacteria		Trash		Toxins	
Description	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**
O&M for streets and roads.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%
Public Education - Pet Waste Pick Up	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	0.0%	0.0%
Average Percent	**23.8%**		**13.3%**		**15.8%**		**5.3%**		**15.8%**		**7.9%**	

4. Results

Using the values as described above (high value for city controlled activities, low value for public activities) for each constituent, the average removals for each of the constituents (sediment, nutrients, metals, bacteria, trash, and toxins) were calculated. The results are presented in Table 3 below.

Table 3. Average Pollutant Removal per Constituent

Description	%
Sediment	19.6%
Nutrients	11.7%
Metals	14.4%
Bacteria	6.5%
Trash	13.0%
Toxins	10.4%
Average of the Averages Above	**12.6%**

5. Conclusions

The overall average percent removal for all constituents and all activities is 12.6%. Because the lower public education value used does not consider any of the other constructs that are affected by the outreach campaigns (guilt, social norm, etc.), this overall percent removal may be lower than what will be observed. When considering the pollutant load removal of all activities, 10% may be conservatively and generally applied.

6. Assumptions and Limitations

The following assumptions and limitations should be taken into account when considering using the values presented.

- The percent removals are not based on specific geographic areas and may not apply equally to all geographic areas. For example, activities with a high degree of City control where they are performed by City employees, these may only apply to areas where City employees act, such as maintenance facilities or public buildings and may represent a fairly small portion of the entire pollutant load to a watershed of a particular pollutant. This geospatial variance is not taken into consideration in the averaging techniques employed.
- If only pollutant removals for activities with low degrees of City control – i.e. those that require public behavior change were to be included, the overall average percent removals would be lower. This assumes that the activities affecting public behavior change do not achieve all the constructs necessary to maximize behavior change (Intention, Moral Norm, Attitude, Perceived Behavioral Control, Guilt, Social Norm, Internal Attribution, Problem Awareness).
- If all the constructs necessary to maximize behavior change were successfully achieved throughout the population of the City, then the percent removals would potentially be higher than the average values presented herein.
- The percent reductions are based on a theoretical assessment of the potential reduction that could occur for a specific pollutant within a limited geography should a behavior actually change with respect to the release of that pollutant. Specific field studies are few that have measured changes in pollutant loads as correlated with behavior change.
- The data is more thorough for the measurement of behavior change through the use of survey instruments and observations of random samples through a population to correlate the constructs with changed behavior. The relationship between the behavior change and a measured concentration of a pollutant in runoff is more tenuous and the authors are relying on theoretical relationships between behavior associated with use of certain materials and pollutant releases during the uses of those materials.

Table 1. Range of Pollutant Load Percent Removal

Minimum Control Measure	Sediment		Nutrients		Metals		Bacteria		Trash		Toxins		Entirely, Largely, or Partially a Consequence of Behavior?	Public or Municipal Control?
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High		
Public Information and Participation Program														
Public Education - proper handling (fertilizer)	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	15.8%	Largely	Public
Public Education - activity specific (trash clean-up and maintenance procedures)	0.0%	0.0%	0.0%	0.0%	3.6%	15.8%	7.1%	31.7%	10.7%	47.5%	0.0%	0.0%	Largely	Public
Public Education - activity specific (over-irrigation)	1.8%	7.9%	3.6%	15.8%	1.8%	7.9%	0.0%	0.0%	1.8%	7.9%	3.6%	15.8%	Partially	Public
Public Education - activity specific (pet waste pick up)	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	10.7%	47.5%	0.0%	0.0%	0.0%	0.0%	Largely	Public
Public Education - activity specific (household hazardous waste collection)	0.0%	0.0%	5.4%	24.0%	10.8%	48.0%	5.4%	24.0%	16.2%	72.0%	16.2%	72.0%	Entirely	Public
Maintain storm water websites	7.1%	31.7%	7.1%	31.7%	7.1%	31.7%	3.6%	15.8%	0.0%	0.0%	3.6%	15.8%	Largely	Public
IndustrialCommercial Facilities Program														
Track critical sources - nurseries and nursery centers (enforce/amend BMPs)	10.7%	47.5%	10.7%	47.5%	0.0%	0.0%	7.1%	31.7%	0.0%	0.0%	10.7%	47.5%	Largely	Public
Track critical sources - other commercial/industrial facilities that Permittee determines may contribute substantial constituent load to MS4 (self-reporting inspections)	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	Entirely	Public
Evaluate all operations of industrial facilities inspected to verify whether their operations are subject to the Industrial General Permit (IGP).	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	Entirely	Public
Facility information - ID whether tributary to 303(d) listed water and generates constituents for which water is impaired (enforce/amend BMPs)	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	16.2%	72.0%	5.4%	24.0%	10.8%	48.0%	Entirely	Public
Planning and Land Development Program														
Alternative compliance measures through groundwater replenishment	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	Entirely	Public
Alternative compliance measures through biofiltration on- or off-site	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Entirely	Public
Bioretention and biofiltration systems	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Entirely	Public
Annual reporting of mitigation project descriptions	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	5.4%	24.0%	Entirely	Public
Implement post construction BMP maintenance inspections	16.2%	72.0%	10.8%	48.0%	10.8%	48.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Entirely	Public
Development and Construction Program														
For sites less than 1 acre, implement erosion and sediment control BMPs through the use of a erosion and sediment control ordinance	5.3%	23.8%	3.6%	15.8%	1.8%	7.9%	1.8%	7.9%	0.0%	0.0%	0.0%	0.0%	Partially	Public
Implement technical BMP standards	10.7%	47.5%	3.6%	15.8%	3.6%	15.8%	0.0%	0.0%	7.1%	31.7%	7.1%	31.7%	Largely	Public
IC/ID Program														
Procedures for public reporting of ID	10.8%	48.0%	5.4%	24.0%	5.4%	24.0%	16.2%	72.0%	0.0%	0.0%	16.2%	72.0%	Entirely	Public
Public Agency Activities Program														
Employee training	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	16.2%	72.0%	Entirely	Municipal
More frequent street sweeping, especially in areas that lack full capture certified trash control devices.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%	Largely	Municipal
Utilize street vacuuming in land use areas that generate high metals loads.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%	Largely	Municipal
Set maximum street sweeper speeds to optimize effectiveness in removing trash, debris, and sediments.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%	Largely	Municipal
Sweeping center median gutters, and "pork chop" islands at street intersections.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%	Largely	Municipal
Revise curb miles cleaned as an indicator to volume of trash collected.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%	Largely	Municipal
Enhanced maintenance of catch basins, especially those with connector pipe screens.	10.7%	47.5%	3.6%	15.8%	7.1%	31.7%	0.0%	0.0%	7.1%	31.7%	3.6%	15.8%	Largely	Municipal

Attachment 1 - MCM Evaluation Methodology

To: Richard Haimann/HDR.

From: Adam Quinn/SGA.

Reviewed by: Stephen Groner/SGA.

Date: 2/25/2014.

Subject: MCM EVALUATION METHODOLOGY

1. Executive Summary.

The Enhanced Watershed Management Plan for the Dominguez Channel Watershed is a process of planning projects and control measures within the watershed and estimating the pollutant load reductions and resulting receiving water concentrations that would occur when those projects and control measures are implemented.

A number of the control measures anticipated are activities within Minimum Control Measure (MCM) categories. MCMs include 1) public education and outreach, 2) public participation and involvement, 3) pollution prevention and good housekeeping, 4) illicit discharge detection and elimination, 5) construction site runoff control, and 6) post construction site runoff control.

To estimate changes in runoff and receiving water quality based on expanding these MCMs, a modeling effort, called a Reasonable Assurance Analysis (RAA), is proposed. The model requires some estimate of the pollutant load reduction that may occur on parcels where MCMs are effective within the watershed.

The purpose of this memorandum is to present estimates of pollutant load reductions that can reasonably be expected from expanding three of the above six MCMs. Those MCMs are: 1) public education and outreach, 2) public participation and involvement, and 3) pollution prevention and good housekeeping.

Each of the three MCMs reviewed in this memorandum require behavior change among people in order to be successfully implemented. Key to estimating pollutant load reductions from behaviors, then, is understanding what behaviors are being targeted, the likelihood of behavior change, and the impact of those behaviors on pollutant loads.

To develop the model, research of pro-environmental behavior and meta-analytic studies was conducted. This provided a model to consistently estimate the likelihood of behavior change from differing levels of MCM efforts. This model takes into consideration the varying public education and outreach approaches and baseline characteristics of the population.

The resulting model allows us to estimate that given a certain investment in public education and outreach efforts, some percent of the public will be likely to change behaviors that will result in reducing the loading of a given pollutant. For example, with certain investments in public education and outreach, the literature suggests that one can see approximately 18% of the population outreached changing to a

lower pollutant behavior for certain pollutant types. The type of pollutant depends on the behavior change investment. For example, an investment in a campaign to educate, inform, and obtain behavior change associated with pet waste management would affect bacteria, but not necessarily sediment, metals, or pesticides. From the research conducted, the percent of people likely to adopt a less polluting behavior given a certain level of MCM investment can be estimated.

The next step is to estimate the expected reduction in a given pollutant when behavior changes to a lower polluting behavior. A review of watershed and stormwater research shows that researchers to date have generally not assigned pollutant loads to specific behaviors. A range of studies have substituted the reach of the program (e.g., number of residents outreached) or sample results (e.g., 78 known illegal discharges were eliminated) in place of a quantified measurement of pollution reduction.

Using the studies reviewed, it is reasonable to state that pollutant load reductions from different behavior changes can be categorized as high, medium, or low for those parcels or areas where the behavior change is expected to occur. For the distinct purpose of estimating percent pollutant load reduction in this EWMP planning effort, we estimated that low pollutant load reduction would be between 10 and 30 percent, medium pollutant load reduction would between 20 and 60 percent, and high pollutant load reduction would be between 30 and 90 percent, as summarized on Table 6.1. These ranges are the product of the high, medium, and low pollutant contribution ranges used in the literature and the categorization of behavior types conducted in Section 6 of this memorandum.

This gives us a model that is based on as much reputable data and research as is available to provide some basis for pollutant load reductions for classes of pollutants under different investments in MCMs. These can be distributed spatially through the model based on land use. For example nutrient load reductions due to improved fertilizer application would apply to the pervious surfaces of residential parcels more so than the pervious surfaces of industrial parcels.

Given this, a certain investment in a public education and outreach campaign may achieve 18% behavior change. This behavior change may result in 30% less nutrient discharges from affected parcels. A subcatchment may have 70% residential and recreational parcels with an average pervious surface of 50% of those parcels. The nutrient load reduction from that subcatchment that can be estimated from the investment in the public education and outreach campaign would be 0.18 x 0.30 x 0.70 x 0.50 = 0.019 = 1.9%.

This memo presents the findings of the literature researched and shows how we have constructed the model from that literature for estimating pollutant load reductions from increased investments in the three MCMs listed above. It also presents the percent reductions expected for different pollutant classes on affected parcels from different investments in the MCMs listed above.

2. Introduction.

The watershed management group (WMG) has a stated goal of quantifying the pollutant load reduction associated with various MCMs. This will be used to estimate pollutant load reductions anticipated from expansions or broadening of minimum control measures during implementation of enhanced watershed management plans.

Three minimum control measures are considered in this document:

- Public education and outreach;
- Public participation and involvement; and
- Pollution prevention and good housekeeping.

This document discusses an evaluation methodology for the above MCMs. Each MCM is discussed in turn with consideration to different concepts, the product of which provides an estimation of the impact of that MCM. The concepts are:

- The estimated measurement of behavior change;
- A list of pollution behaviors and the associated pollutants;
- An estimation of cost for a given mode of outreach; and
- An estimation of pollutant load reduction from changes in pollution behaviors.

3. Public education and outreach MCM.

Public education and outreach is a required MCM under NPDES permits with the stated goal of making "the public sufficiently aware and concerned about the significance of their behavior for stormwater pollution, through information and education, that they change improper behaviors." All WMG jurisdictional entities undertake a range of public education and outreach activities as delineated in the WMG jurisdictional entity MCM census.

a. Estimated measurement of behavior change.

There is a significant body of research including multi-decade meta-analyses of behavioral studies assessing the likelihood of an individual adopting pro-environmental behaviors based on different forms of outreach, education, and awareness. Meta-analyses are methods of research that combine results from a range of similar studies to identify patterns in the research. By aggregating an entire body of research, more robust findings and understanding can be asserted. These studies are peer reviewed and subsequent meta-analyses are compared horizontally to demonstrate relatively consistent reporting of results.

The end goal of each study in the meta-analysis was to measure the rate of behavior change caused by public education and outreach efforts. Conversely, the end result of the *meta-analysis* was to identify the extent to which different behavioral constructs contributed to that end behavior change. For example, if a similar amount of funds was spent to reach a similar population of people to change a similar behavior, but the results differed, the meta-analysis sought to identify what caused that difference. The difference might be that one outreach effort used pictures of children to guilt parents into adopting pro-environmental behavior while another outreach effort tried to make residents aware of the problem and the consequences of their behaviors on the environment. These differences were categorized into behavioral constructs and the relationships between the various constructs, ultimately culminating in behavior change, were measured.

The results of this research are summarized in Table 3.1, below, which shows relationships between various behavioral constructs (e.g., intention, moral norms, etc.) and their impact on behavior change.

The results are displayed in a matrix such that the relationship between any two behavioral constructs can be identified.

The numbers in the first column correlate to the numbers across the top of the table. Hence, reading across row "Behavior," we can see that [intention] to undertake a behavior explains 52% of the variance in actual behaviors taken. Similarly, adoption of a [moral norm] explains 15% of the variance in actual behaviors taken and so on until [problem awareness] (e.g., education) which explains 18% of the observed behavior change. Explanations of each behavioral construct follow.

Table 3.1

Standardized total effects of modes of outreach on end states.									
Behavioral Construct	Behavior Change	Intention	Moral Norm	Attitude	PBC	Guilt	Social Norm	Attribution	Problem Awareness
Behavior Change	—	.52	.15	.15	.16	.11	.13	.10	.18
Intention		—	.29	.29	.31	.21	.26	.18	.35
Moral norm			—	—	—	.25	.26	.29	.65
Attitude				—	—	.27	.36	.25	.34
PBC					—	.19	.25	.08	.19
Guilt						—	.32	.22	.63
Social norm							—	.23	.40
Attribution								—	.43
Problem awareness									—

The behavioral constructs used and compared have the following definitions:

- **Behavior Change**. The actual adoption of the intended pro-environmental behavior.
- **Intention**. The intention to adopt a pro-environmental behavior.
- **Moral norm**. The belief that oneself has a moral obligation to adopt a pro-environmental behavior.
- **Attitude**. A positive attitude or disposition towards a pro-environmental behavior.
- **PBC**. Stands for "Perceived Behavioral Control." The belief that adopting a pro-environmental behavior is within your power and you have the tools to do so.
- **Guilt**. The feeling that one ought to adopt a pro-environmental behavior and failure to do so includes negative emotions.
- **Social norm**. The belief that everyone else has adopted a pro-environmental behavior and that to not adopt the same would set you apart.
- **Problem awareness**. Awareness that a behavior is a problem and understanding of the consequences of that problem.

A number of additional considerations should be noted in interpreting the model. Each set of considerations is discussed in turn.

i. Assumptions of the model.

The literature aggregates studies together to calculate a single total effects value. The total effects represent the sum of the direct and mediated indirect effects through which a predictor influences a dependent variable. That is, before a behavior can ever be changed, the resident must have an intention to change their behavior (see Figure 1). A public education or outreach effort using problem awareness in the abstract has an 18% effective rate of behavior change and a 35% effective rate of changing the intention of the resident. The impact of problem awareness on intention is included in the impact of problem awareness on behavior change. Problem awareness' impact on behavior change is a mediated indirect effect that must go through intention to reach behavior change.

A second assumption of the model is that the correlations observed between outreach efforts and behavior change will continue. The results of table 3.1 serve as a proxy for the effectiveness of a given public education or outreach effort. It is important to note that in the underlying model the values are only correlative and not necessarily causative. While we cannot be sure that increasing population awareness of an issue will *necessarily* cause an 18% change in population behavior, we can expect an 18% change in population behavior to correlate with an increase in awareness.

ii. Limitations of the model.

The aggregation of studies into a single meta-analysis results in an equivalence being made between different modes and scales of outreach. The result of a small, one-on-one outreach effort is aggregated along with the result of a countywide advertising campaign outreach effort. This aggregation provides a more accurate estimation of the average outreach effectiveness across the WMG. Because each WMG jurisdictional entity takes a range of outreach efforts across a range of methods (e.g., industry focused, one-on-one, mass media, etc.), an aggregated estimate is the most appropriate estimate.

This aggregation has a final benefit in accounting for MCM overlap. Research indicates that the effectiveness of a given MCM action is dependent on other MCM actions. For example, an MCM action to change a given behavior is more effective if the population has a higher base level of awareness of the issue. A prior MCM focused on public education would improve the effectiveness of a later MCM focused on behavior change. Because each of these MCMs may have occurred through a different method of outreach (e.g., industry focused, one-on-one, mass media, etc.), it is impossible to disambiguate the past outreach efforts from the results of the current outreach effort. Similarly, WMG jurisdictional entities also overlap. It is impossible to properly evaluate the efforts of City of Los Angeles without also considering the efforts of County of Los Angeles because their efforts target the same population. Aggregating all outreach at the population level obviates the need for these distinctions.

iii. Using the model to estimate compound or complex outreach efforts.

In estimating the impact of outreach programs with multiple components, the estimate effectiveness will fall between the baseline effectiveness (in all cases this is education) and the composite of the two

modes. For example, an outreach effort that attempts to educate residents and promote the behavior as a social norm, such as LA County's solar map which shows how many residents have adopted solar solutions, would have an effectiveness somewhere between 18% and 29% (1 – (.82 x .85) = .286). This assumption rests on the premise that both modes of outreach are fully executed. That is, the outreach effort achieves the standard level of education and the standard level of promoting a social norm.

The relationships between potential outreach states are shown in Figure 1, below. All outreach conscribes to one or more of the states below as its primary objective. For example, the majority of outreach aims to educate the public (problem awareness) and then encourage one or more additional states (e.g. internal attribution / "Only you can prevent forest fires"; feelings of guilt / "Get involved now. Pollution hurts all of us."; etc.). The end goal of all public education and outreach is to the change behavior. Consequently, it is important to identify the strategy of the public education or outreach effort to properly estimate its likelihood of changing the end behavior.

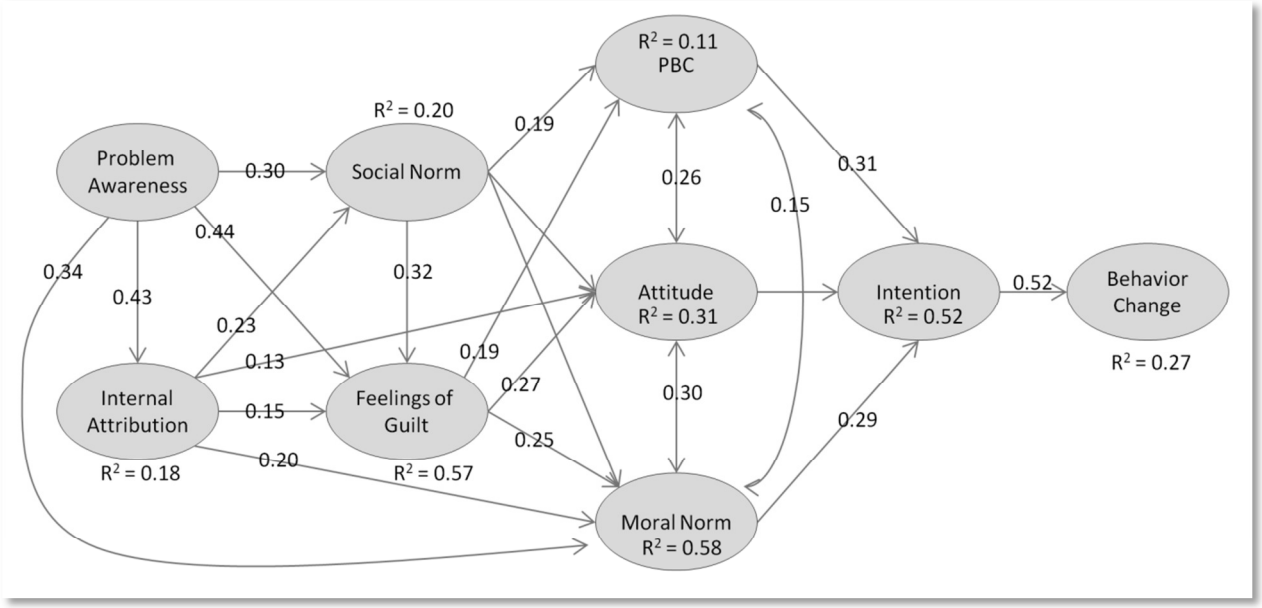


Figure 1. Results of Meta Analytic Structural Equation Modeling. PBC = perceived behavioral control. Single headed arrows = standardized path coefficients. Double headed arrows = correlations. R^2 = explained variance.

The modes of public education and outreach identified for WMG jurisdictional entities in the review of literature are included in Table 3.2, below.

Table3.2

Estimated public education or outreach effectiveness by mode.		
Outreach mode	Calculation	Standardized total effect
Education	1 – (1 – .18)	.18
Education and Guilt	1 – ((1 – .18) x (1 – .11))	.18 to .27
Education and Social Norm	1 – ((1 – .18) x (1 – .13))	.18 to .29
Education and Attitude	1 – ((1 – .18) x (1 – .15))	.18 to .30

Estimated public education or outreach effectiveness by mode.		
Outreach mode	Calculation	Standardized total effect
Education and PBC	1 – ((1 – .18) x (1 – .16))	.18 to .31
Education and Intention	1 – ((1 – .18) x (1 – .52))	.18 to .82

In determining where in the provided range a particular outreach effort will align, consideration should be given to the effectiveness of similarly situated efforts on the same target population and the quality and focus of the work plan. A campaign targeted at educating the public and making them feel guilt has less complexity than a campaign targeted at educating the public and persuading them to act (i.e., intention) through an oil filter exchange. The later requires more one-on-one interaction, more resources, and more logistical planning. It should also be noted that achieving the higher standardized total effects becomes increasingly challenging. Although it is possible for an effectively run problem awareness and intention campaign to result in a substantial rate of behavior change (e.g., a hypothetical program that paid $100 for every gallon of used oil recycled would likely approach 100% behavior change), observed standardized total effects tend toward the lower end of the spectrum.

A final consideration in determining where in the provided range a particular outreach effort will align is existing characteristics of the target population. As discussed, research has shown the public education and outreach efforts are often intertwined such that earlier outreach efforts improve the likelihood of subsequent efforts. For example, there is a critical mass phenomenon where people are more likely to adopt behavior changes when the pre-campaign adoption rate reaches roughly 20% of the general population. Efforts at behavior change with lower overall awareness levels will be less successful. These characteristics can be derived from baseline surveys that often precede any outreach effort so that end-of-campaign surveys can accurately reflect the net change achieved.

b. Identification of polluting behavior and pollutant.

Public education and outreach efforts require a specific behavior to be identified with the goal of changing that behavior. Different behaviors are associated with different pollutants and many behaviors might be associated with more than one pollutant. For example, improper or over fertilization introduces both unnecessary nutrients to the water supply and toxins. Overwatering causes excess sediment, nutrients, metals, trash, and toxins to all flow into the stormwater system, albeit with each pollutant being a smaller overall load than the pollutants from improper fertilization. To that end, it is important to identify the behavior and pollutant profile before estimating the potential pollutant load reduced by successful public education or outreach efforts.

The Center for Watershed Protection (CWP) lists the most common residential and public behaviors that contribute pollutants to watersheds. This list includes the relative proportion of pollutants that are introduced to the watershed by each of these behaviors as estimated by the CWP. This list has been supplemented by activities expressly targeted by WMG jurisdictional entities in existing public education and outreach programs as identified during the census of existing MCM programs. The estimated levels of pollution linked to each behavior were extrapolated from nearest equivalent as established by the CWP.

By identifying the residential polluting behavior a public education or outreach effort will target, an estimation of the total pollutant load of that behavior can be derived.

Table 3.3

Comparison of pollutant contribution from various residential behaviors.							
Residential Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Improper fertilization	X	●	X	X	X	○	
Excess pesticide use	X	X	X	X	X	●	
Over-watering	○	⊙	○	X	○	⊙	
Extensive turf cover	○	⊙	X	X	X	⊙	
Tree clearing	⊙	⊙	X	X	X	X	
Yard waste dumping	⊙	●	X	○	○	X	
Soil compaction	⊙	⊙	○	○	X	X	
Soil erosion	●	⊙	○	○	X	X	
Failing septic systems	○	●	X	●	X	○	
Pool discharges	X	X	X	X	X	●	
Car wash water flows	⊙	●	⊙	X	X	⊙	Oil
Hosing/Leaf-blowing	●	⊙	⊙	X	⊙	○	Oil
HHW dumping	X	○	●	X	X	●	Oil
Car fluid spills/dumping	X	X	⊙	X	X	●	Oil
Used oil spills/dumping	X	X	⊙	X	X	●	Oil
Connected downspouts	⊙	●	●	⊙	X	○	Oil
Added IC and bare soil	●	○	⊙	X	⊙	○	Oil
Pet waste wash off	X	●	X	●	X	X	
Poor STP maintenance	●	●	●	⊙	●	○	Oil
Buffer encroachment	○	○	○	○	○	X	
Storm drain dumping	⊙	○	⊙	⊙	●	●	Oil
Hobby farm run off	⊙	●	○	⊙	○	X	
Horse / stable run off	X	●	X	●	X	X	
Recreation vehicle waste	X	●	X	●	●	⊙	Oil
Illegal dumping	○	○	○	X	●	●	Oil
Prescription drugs drain	X	X	X	⊙	X	●	

Comparison of pollutant contribution from various residential behaviors.							
Residential Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Recreational boat waste	⊙	X	X	⊙	X	⊙	Oil
Failure to recycle	X	X	●	X	●	X	
○ = minor pollutant contribution ● = major pollutant contribution ⊙ = moderate pollutant contribution X = not a pollutant source							

c. Cost of public education and outreach efforts.

The final element in estimating the pollutant load reduction from public education and outreach efforts is to identify the average cost and the population reached by each mode of outreach. The Center for Watershed Protection provides general guidance on the issue as shown in table 3.4, below.

In interpreting the table, the following definitions are used:

- **Hit rate**. How effective the strategy is in reaching the target audience.
- **Adoption rate**. The proportion of the target audience will adopt the practice after learning about it.
- **Startup cost**. The cost to initially implement the strategy including outreach.
- **Ongoing cost**. The cost to maintain the strategy over several years.
- **Expertise**. The specialized knowledge or training needed to implement the strategy.

Table 3.4

Comparing different public education and outreach methodology costs and effectiveness.					
Public education or outreach methodology	Comparative Factors				
	Hit rate	Adoption rate	Startup cost	Ongoing cost	Expertise
Passive education	●	○	$$	$$	○
Active education	○	●	$	$$	●
Direct municipal service	●	⊙	$$$	$$$	○
Subsidies and discounts	⊙	⊙	$$	$$$	○
Recognition programs	○	●	$	$	⊙
Stewardship groups	○	●	$$	$$	⊙
Local ordinances	○	⊙	$$	$	⊙
Notifications/Signs	⊙	○	$$	$	○
Restrictions/Bans	●	●	$	$	⊙
Enforcement	○	●	$	$	⊙
Utility pricing	⊙	⊙	$$	$	⊙
○ / $: low; ⊙ / $$: medium; ● / $$$: high					

The hit rates reported generally agree with the hit rates SGA has experienced during past outreach. Similarly, the adoption rates generally agree with the estimated rates of behavior change calculated in section 3, part A, above. Those are, low rates of adoption for passive education and higher rates of adoption as more complex, and often more expensive, modes are introduced. In estimating hit rates, a low hit rate for a typical outreach effort will reach 1000 people, a medium hit rate will reach approximately 10,000, and a high hit rate will reach approximately 50,000.

The CWP also provides the following select price estimates:

Table 3.5

Unit cost for public education and outreach techniques.		
Technique	Unit	Estimated Cost
Overall residential outreach	Per 1000 capita	$140 – $1111
Outreach materials (magnets, stickers, etc)	Per 1000 capita	$170 – $3500
Advertising (billboards, movie theatre, ads)	Per month	$150 – $1850
Surveying	Per 1000 capita	$15,000
Municipal services (municipal composting, etc)	Per household	$1.85 – $2.40
Residential services (curbside pickup)	Per household	$11 – $29
Staffing (200 – 800 hours)	Per program	$10,000 – $100,000

The costs reported generally agree with the costs experienced by SGA during past outreach. The Southern California area tends towards the higher end of the spectrum in most categories and it should be noted that costs vary considerably across jurisdictions. The competition for billboards in the City of Los Angeles differs from county-wide Los Angeles which differs from penumbral cities. Although every outreach program is different, were average costs to be associated with each category, values of $25,000, $50,000, and $100,000 corresponding with the Low, Medium, and High values in table 3.4 would be reasonable. Concurrently, the number of targets reached would place public education and outreach costs between $10 and $100 per outreach effort. The higher values are generally associated with smaller projects wherein administrative and staff time account for a greater percentage of the budget.

4. Public Participation and Involvement.

Public participation and involvement is a required MCM under NPDES permits. The goal of public participation and involvement is not to change behaviors, but to increase public awareness and support for overall watershed maintenance activities. All WMG jurisdictional entities undertake a range of public participation and involvement activities as delineated in WMG jurisdictional entity MCM census.

The stated goals are to achieve broad public support through participation in the decision making process, shorter implementation schedules due to fewer obstacles in the form of public and legal

challenges, a broader base of expertise from free intellectual resources, and to act as a conduit between other governmental programs.

Public participation and involvement best management practices (BMPs) do not focus on changing behaviors in favor of pro-environmental behaviors. Instead, actions like public meetings, resident panels, volunteer events, storm drain stenciling, community cleanups, and resident watch groups are the core focus of this MCM. Although some of these activities could theoretically lead to a reduction in pollutant load, they are not significant contributors nor is pollutant load reduction the core goal. Consequently, the public participation and involvement MCM is best viewed through the lens of the public education and outreach MCM which it supports.

Figure 2, below, shows the public education and outreach states, highlighted in bold, that are targeted by investment in the public participation and involvement MCM. Any level of public involvement increases awareness of the fundamental issues. As discussed in section 3.C, above, a general increase in the population wide level of awareness improves the results of all subsequent outreach activities in effectuating behavior changes. The entrenchment of a moral or social norm similarly increases the rate of adoption of pro-environmental changes as does a positive attitude or perception that a behavior is within one's control.

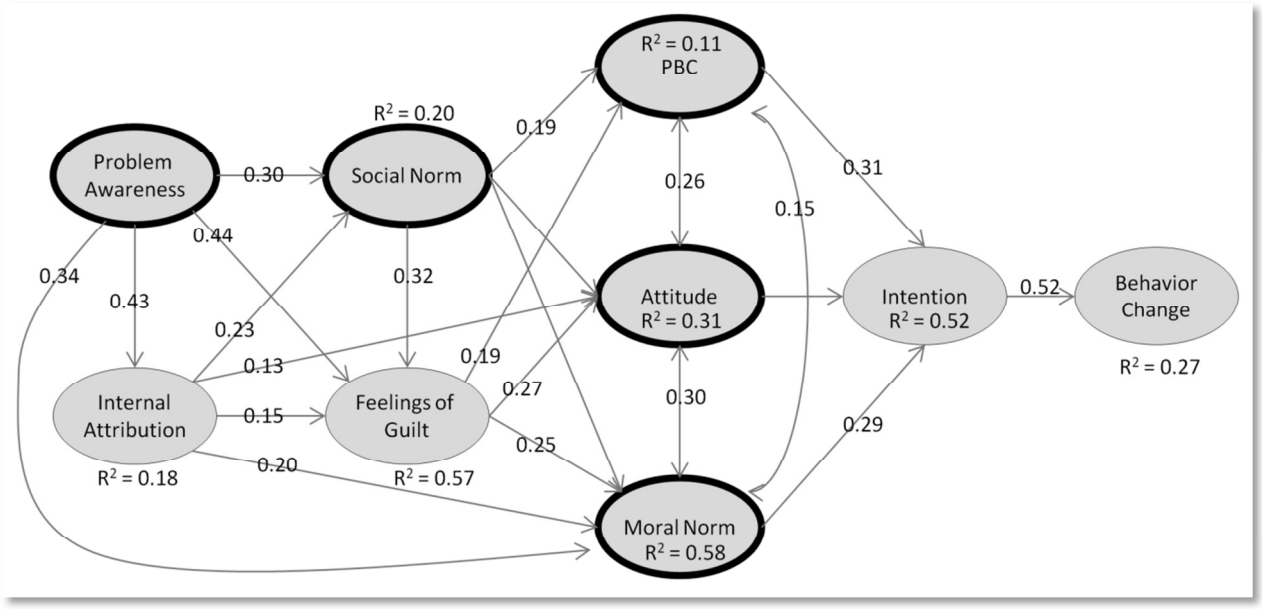


Figure 2. Bolded outreach states are the core emphasis of the Public Participation and Involvement MCM which provide support and foundation for more effective Public Education and Outreach.

Public participation and involvement BMPs predominantly include municipal support of volunteer activities process changes of mandatory municipal hearings to ensure the public voice can be heard. As a result, public participation and involvement BMPs are extremely price efficient despite not resulting in substantial behavior change on their own. Moreover, public participation and involvement increases the general level of commitment to watershed activities. This commitment translates into support during elections and pressure on politicians to continue funding the MCMs that do translate into substantive behavior changes and reductions in the total pollutant load.

5. Pollution Prevention and Good Housekeeping.

Pollution prevention and good housekeeping is a required MCM under NPDES permits to help ensure a reduction in the amount and type of pollution that (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from action such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems. The primary target of this MCM is local municipalities, although some municipal actions may increase requirements of private entities within the jurisdiction.

All WMG jurisdictional entities undertake a range of pollution prevention and good housekeeping activities as delineated in WMG jurisdictional entity MCM census.

a. Estimated measurement of behavior change.

Pollution prevention and good housekeeping is a unique MCM in terms of estimation of behavior change because the majority of actors are municipal employees or tenants on municipal property. The rate of behavior could be set as high as 100% if sufficient resources were allocated to municipal enforcement. In reality, a 100% compliance rate is unlikely as individual actors will always have incentive to avoid compliance and even good intentioned actors will occasionally have accidents.

A reasonable estimation of behavior change is 80%, allowing for some accidents, some holdouts, and the natural variation between different pollution prevention and good housekeeping efforts. This value is substantially higher than the highest average rate of behavior change for public education and outreach.

b. Identification of polluting behavior and pollutant.

Similar to public education and outreach efforts, pollution prevention and good housekeeping activities must initially be linked to a behavior and a set of pollutants following from said behavior. The Center for Watershed Protection lists the most common municipal and good housekeeping behaviors and the pollutants associated with them as shown on table 5.1, below.

Table 5.1

Pollution generating activity	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Hotspot Facility Management							
Vehicle repair	○	○	●	X	X	●	
Vehicle fueling	X	○	●	X	X	●	
Vehicle washing	●	●	⊙	X	X	●	
Vehicle storage	○	X	⊙	X	⊙	○	
Outdoor loading	●	⊙	⊙	X	X	○	
Outdoor storage	●	⊙	⊙	X	X	⊙	

Pollution generating activity	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Waste management	○	⊙	⊙	X	⊙	●	
Building repair	●	○	⊙	X	X	⊙	
Building maintenance	●	X	●	X	X	⊙	
Parking lot maintenance	●	○	⊙	X	X	⊙	
Turf management	⊙	●	X	X	X	●	Pesticide
Landscaping	○	●	X	X	X	●	Pesticide
Swimming pool discharge	X	X	X	X	X	X	Chlorine
Construction Project Management							
Construction	●	○	○	X	⊙	⊙	
Street Repair and Maintenance							
Street maintenance	⊙	X	⊙	X	⊙	⊙	
Bridge maintenance	○	X	⊙	X	⊙	⊙	
Right-of-way maintenance	⊙	●	X	X	X	●	Pesticide
Street Sweeping							
Street sweeping	●	○	⊙	X	⊙	○	
Storm Drain Maintenance							
Maintenance of inlet/outlet system	⊙	○	○	X	⊙	○	
Maintenance of storm drain system	⊙	○	○	X	⊙	○	
Stormwater Hotline Response							
Control spills	X	○	X	X	X	●	
Control illicit discharge	⊙	○	○	●	X	●	
Control illegal dumping	○	○	○	X	●	●	
Park and Landscape Maintenance							
Turf management	⊙	●	X	X	X	●	Pesticide
Landscaping	○	●	X	X	X	●	Pesticide
Landscape waste management	○	○	X	X	X	X	
Residential Stewardship							
Storm drain stenciling	X	X	○	●	⊙	⊙	
Waste collection and recycling	X	X	⊙	⊙	●	⊙	
Hazardous waste collect	X	○	⊙	○	●	●	

Pollution generating activity	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Leaf and landscape collect	○	X	X	X	X	X	
Stormwater Management Practice Maintenance							
Stormwater management practice maintenance	⊙	⊙	⊙	○	X	○	Bacteria
Employee Training							
Employee training	●	●	●	●	●	●	Chloride
○ = minor pollutant contribution ● = major pollutant contribution ⊙ = moderate pollutant contribution X = not a pollutant source							

c. Cost of pollution prevention and good housekeeping efforts.

The final element in estimating the pollutant load reduction from pollution prevention and good housekeeping efforts is to identify the average cost and the population reached by each mode of outreach. The Center for Watershed Protection provides general guidance on the issue as shown in table 5.2, below.

In interpreting the table, the following definitions are used:

- **Hit rate**. How effective the strategy is in reaching the target audience.
- **Adoption rate**. The proportion of the target audience will adopt the practice after learning about it.
- **Startup cost**. The cost to initially implement the strategy including outreach.
- **Ongoing cost**. The cost to maintain the strategy over several years.
- **Expertise**. The specialized knowledge or training needed to implement the strategy.

Table 5.2

Comparing different pollution prevention methodology costs and effectiveness.					
Public education or outreach methodology	Comparative Factors				
	Hit rate	Adoption rate	Startup cost	Ongoing cost	Expertise
Industrial NPDES permit	○	⊙	$	$	○
ID and refer non-filers	○	⊙	$$	$	⊙
Local hotspot regulation	⊙	⊙	$$	$$	⊙
Inspections	⊙	●	$$	$$$	●
Certification programs	⊙	●	$$$	$$$	●
Hotspot enforcement	●	●	$	$$	⊙
Passive bus. outreach	⊙	○	$$	$$	⊙
On-site tech assistance	○	●	$$	$$$	●
Training	○	●	$$$	$$$	●

Comparing different pollution prevention methodology costs and effectiveness.					
Public education or outreach methodology	Comparative Factors				
	Hit rate	Adoption rate	Startup cost	Ongoing cost	Expertise
Subsidies and discounts	○	⊙	$$	$$$	⊙
Business recognition	○	⊙	$	$	⊙
○ / $: low; ⊙ / $$: medium; ● / $$$: high					

The price estimates for pollution prevention and good housekeeping efforts are substantially lower than those of public education and outreach because the city has the capacity to mandate these reductions. Not surprisingly, the majority of low-hanging fruit for such efforts are already required by law. Environmentally preferred purchasing plan (EPPP) policies are required for any municipalities receiving a CalRecycle grant. Municipalities are required to use green fertilizers, educate staff about recycling policies, and so on.

In deciding to pursue a supplemental pollution prevention and good housekeeping effort, the following costs can be assumed:

Table 5.3

Estimation of staff hours required to implement pollution prevention or good housekeeping effort.	
Process	Staff Hours
Identify existing municipal operations	4 – 8
Collect information about each operation	20 – 40
Complete municipal operation analysis (MOA)	80 – 120
Focus pollution prevention and good housekeeping efforts	4 – 8
TOTAL PRELIMINARY BMP STUDY TIME	108 – 176
Conduct target BMPs (sample BMPs from the CWP to reference against)—Select One	120 – 240
■ Hotspot facility management	120 –240
■ Construction project management	80 – 160
■ Street repair and maintenance	60 – 120
■ Street sweeping	80 – 200
■ Storm drain maintenance	80 – 200
■ Stormwater hotline response	80 – 160
■ Park and landscape maintenance	120 –240
■ Residential stewardship	80 –200
■ Stormwater management practice maintenance	120 –240
■ Employee training	80 – 160
TOTAL PROGRAM TIME	Per program

Estimation of staff hours required to implement pollution prevention or good housekeeping effort.	
Process	Staff Hours
Evaluate progress	20 – 40
TOTAL BMP IMPLEMENTATION TIME (does not include time of staff to abide and follow BMP).	128 – 206 + program time

By estimating the cost of staffing between $50 and $100 per hour with all associated overhead, the development of a pollution prevention or good housekeeping effort costs between $6000 – $20,000 to develop. Implementation and ongoing enforcement costs an additional $3000 –$24,000 each year in addition to any material costs included in the program.

6. Estimating behavioral impact on pollutant category.

The literature on estimating the impact of behaviors on pollutant loads consistently uses results localized to the outreach effort as measures of impact. That is, a study on the cessation of illegal dumping will report the specific impact of the outreach effort as "collecting 8000 tires" or "closing 78 illegal dumping sites." The reason for this localized impact measurement is the difficulty in establishing a normalized measurement that works for all populations in all regions under all conditions. Public education and outreach is an MCM that is, by its nature, tailored for the target population, and therefore the results of any outreach effort are similarly tailored to that population. Achieving an impact of "closing 78 illegal dumping sites" might have been a monumental success in one jurisdiction while a few towns over it represent a nominal reduction in the overall number of illegal dumping sites. The behaviors of populations do not filter through tributaries and smooth into measureable pollutant levels regardless of the fact that the impact from the behaviors of residents does precisely that.

Despite the unique nature of each public education and outreach effort, each municipality's good housekeeping and pollution prevention abilities, and the responsiveness of each population to public outreach and participation, the underlying behaviors that are addressed by each MCM share certain characteristics. Reasonable assumptions can be made about those behaviors that allows for estimations of the impact of cessation of that behavior. For example, if a resident who dumps used motor oil into a stormwater drain system instead begins to recycle that oil, the impact of *that resident's* improper dumping is almost entirely negated. Comparatively, if a resident who routinely over waters their lawn adopts pro-environmental watering behaviors, a significant, but not complete, portion of *that resident's* overwatering impact will be negated because some level of overwatering is largely unavoidable. These two pollutant behaviors have different behavioral characteristics.

For each behavior we categorize the pollutant activity as *entirely*, *largely*, or *partially* the consequence of the polluting behavior. To return to our previous examples, in the case of used oil dumping into a stormwater system, the introduction of used oil is *entirely* the consequence of the polluting behavior. In the example of overwatering, the runoff of sediment is *partially* the result of the polluting behavior (e.g., watering too often) with the remainder caused by attributes such as soil saturation, angle or grade of the plot, naturally occurring precipitation, and reasonable watering behavior that still contribute to sedimentary runoff. The consequence of *entirely*, *largely*, and *partially* polluting behaviors is set at 100%, 66%, and 33%, respectively.

Pollutant contribution from a behavior is categorized by the literature as high, medium, or low. In assigning a value to those values a reasonable estimate is 90%, 60%, and 30%. These estimates, when taken with the *entirely*, *largely*, and *partially* estimates described below, provide a smooth estimation of overall pollution contribution of various behaviors. However, in interpreting them, all aforementioned caveats should be considered and additional consideration should be given to the unique characteristics of the population, geography, and prior outreach of the jurisdiction.

The pollutant contribution and polluting behavior percentages when taken together provide the following matrix of impacts:

Table 6.1

Matrix of polluting behavior and pollutant contribution impacts.				
		Polluting behavior type		
		Entirely (100%)	Largely (66%)	Partially (33%)
Pollutant contribution type	High (90%)	90.0%	59.4%	29.7%
	Medium (60%)	60.0%	39.6%	19.8%
	Low (30%)	30.0%	19.8%	9.9%

These assumptions provide a nominalized profile of a type of behavior in the abstract. Although specific behaviors can be reasonably categorized under these nominalized profiles, the unique challenges facing each population and each geographic jurisdiction introduce sufficient variation that specific results of a targeted MCM effort will be largely predicted by the intangible traits at the local level. The following behavior profiles and the categorization of specific pollutant behaviors beneath them are initial placements of prototypical behaviors and are not necessarily indicative of all, or even all within a predefined jurisdiction, behaviors.

Behaviors in each of the three categories (e.g., *entirely*, *largely*, and *partially*) are discussed and examined in turn.

a. Pollutants entirely the consequence of behavior.

Behaviors where the pollutant consequence of that behavior are *entirely* the result of the behavior tend to be binary. Behaviors like dumping used oil into the stormwater system or not doing so are entirely the result of the behavior. One-hundred percent of the impact of the pollutant can be attributed to the behavior.

The following table summarizes behaviors wherein the pollutant consequence of that behavior are *entirely* the result of the behavior. Table 6.2 incorporates the pollutant percentages from Table 6.1 along with the high, medium, and low pollutant impact classifications for various pollutant behaviors from Table 3.3, 3.4, and 5.1.

Table 6.2

List of pollutant behaviors entirely the consequence of behavior.							
Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Tree clearing	60.0%	60.0%	X	X	X	X	
Yard waste dumping	60.0%	90.0%	X	30.0%	30.0%	X	
Failing septic systems	30.0%	90.0%	X	90.0%	X	30.0%	
Pool discharges	X	X	X	X	X	90.0%	
HHW dumping	X	30.0%	90.0%	X	X	90.0%	Oil
Car fluid spills/dumping	X	X	60.0%	X	X	90.0%	Oil
Used oil spills/dumping	X	X	60.0%	X	X	90.0%	Oil
Connected downspouts	60.0%	90.0%	90.0%	60.0%	X	30.0%	Oil
Poor STP maintenance	90.0%	90.0%	90.0%	60.0%	90.0%	30.0%	Oil
Storm drain dumping	60.0%	30.0%	60.0%	60.0%	90.0%	90.0%	Oil
Recreation vehicle waste	X	90.0%	X	90.0%	90.0%	60.0%	Oil
Illegal dumping	30.0%	30.0%	30.0%	X	90.0%	90.0%	Oil
Prescription drugs drain	X	X	X	60.0%	X	90.0%	
Recreational boat waste	60.0%	X	X	60.0%	X	60.0%	Oil
Failure to recycle	X	X	90.0%	X	90.0%	X	
Landscape waste management	30.0%	30.0%	X	X	X	X	
Storm drain stenciling	X	X	30.0%	90.0%	60.0%	60.0%	
Waste collection and recycling	X	X	60.0%	60.0%	90.0%	60.0%	
Hazardous waste collect	X	30.0%	60.0%	30.0%	90.0%	90.0%	
Employee training	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	Chloride
X. Behavior does not contribute to this pollutant type.							

b. Pollutants largely the consequence of behavior.

Behaviors where the pollutant consequence of that behavior are *largely* the result of the behavior are actions where the pollutant can be reduced by taking some positive step. For example, improper fertilization can be reduced by learning about proper fertilization techniques, fertilizing at the right time of the year, and using the correct amount of fertilizer. Unlike with pollutants *entirely* the consequence of the behavior, the action is still undertaken, just undertaken properly.

Behaviors where the consequence is *largely* the result of the behavior include many pollution prevention and good housekeeping efforts taken by municipalities. Approximately 66% of the impact of the pollutant can be attributed to the behavior.

The following table summarizes behaviors where the pollutant consequence of that behavior are *largely* the result of the behavior. Table 6.3 incorporates the pollutant percentages from Table 6.1 along with the high, medium, and low pollutant impact classifications for various pollutant behaviors from Table 3.3, 3.4, and 5.1.

Table 6.3

List of pollutant behaviors largely the consequence of behavior.							
Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Improper fertilization	X	59.4%	X	X	X	19.8%	
Excess pesticide use	X	X	X	X	X	59.4%	
Added IC and bare soil	59.4%	19.8%	39.6%	X	39.6%	19.8%	Oil
Car wash water flows	39.6%	59.4%	39.6%	X	X	39.6%	Oil
Pet waste wash off	X	59.4%	X	59.4%	X	X	
Hobby farm run off	39.6%	59.4%	19.8%	39.6%	19.8%	X	
Horse / stable run off	X	59.4%	X	59.4%	X	X	
Vehicle repair	19.8%	19.8%	59.4%	X	X	59.4%	
Vehicle fueling	X	19.8%	59.4%	X	X	59.4%	
Vehicle washing	59.4%	59.4%	39.6%	X	X	59.4%	
Vehicle storage	19.8%	X	39.6%	X	39.6%	19.8%	
Outdoor loading	59.4%	39.6%	39.6%	X	X	19.8%	
Outdoor storage	59.4%	39.6%	39.6%	X	X	39.6%	
Waste management	19.8%	39.6%	39.6%	X	39.6%	59.4%	
Building repair	59.4%	19.8%	39.6%	X	X	39.6%	
Construction	59.4%	19.8%	19.8%	X	39.6%	39.6%	
Street sweeping	59.4%	19.8%	39.6%	X	39.6%	19.8%	
Stormwater management practice maintenance	39.6%	39.6%	39.6%	19.8%	X	19.8%	Bacteria
Leaf and landscape collect	19.8%	X	X	X	X	X	
X. Behavior does not contribute to this pollutant type.							

c. Pollutants partially the consequence of behavior.

Behaviors where the pollutant consequence of that behavior are *partially* the result of the behavior are actions that will still be taken to their full extent, just with some mitigation due to improved performance. For example, if a homeowner adopts pro-environmental behaviors with regards to overwatering, watering will still occur along with uncontrollable watering such as natural precipitation. Behaviors where the pollutant consequence of that behavior are *partially* the result of the behavior are distinct from those of "*largely* the consequence" by control of the pollutant itself. For example, the good housekeeping practice of proper municipal vehicle repair allows the municipality to *largely* control the pollutant because they control the pollutant source. Conversely, the good housekeeping practice of proper municipal parking lot maintenance only *partially* allows the municipality to control the pollutant because the pollutant source (vehicles, traffic, stormwater) is outside of their control and they only control the medium. Approximately 33% of the impact of the pollutant can be attributed to the behavior.

The following table summarizes behaviors where the pollutant consequence of that behavior are *partially* the result of the behavior. Table 6.4 incorporates the pollutant percentages from Table 6.1 along with the high, medium, and low pollutant impact classifications for various pollutant behaviors from Table 3.3, 3.4, and 5.1.

Table 6.4

List of pollutant behaviors partially the consequence of behavior.							
Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Over-watering	9.9%	19.8%	9.9%	X	9.9%	19.8%	
Extensive turf cover	9.9%	19.8%	X	X	X	19.8%	
Soil compaction	19.8%	19.8%	9.9%	9.9%	X	X	
Soil erosion	29.7%	19.8%	9.9%	9.9%	X	X	
Hosing/Leaf-blowing	29.7%	19.8%	19.8%	X	19.8%	9.9%	Oil
Buffer encroachment	9.9%	9.9%	9.9%	9.9%	9.9%	X	
Building maintenance	29.7%	X	29.7%	X	X	19.8%	
Parking lot maintenance	29.7%	9.9%	19.8%	X	X	19.8%	
Turf management	19.8%	29.7%	X	X	X	29.7%	Pesticide
Landscaping	9.9%	29.7%	X	X	X	29.7%	Pesticide
Street maintenance	19.8%	X	19.8%	X	19.8%	19.8%	
Bridge maintenance	9.9%	X	19.8%	X	19.8%	19.8%	
Right-of-way maintenance	19.8%	29.7%	X	X	X	29.7%	Pesticide
Maintenance of inlet/outlet system	19.8%	9.9%	9.9%	X	19.8%	9.9%	
Maintenance of storm drain system	19.8%	9.9%	9.9%	X	19.8%	9.9%	
X. Behavior does not contribute to this pollutant type.							

7. Sample of MCM evaluation.

The concepts discussed above allow for an estimation of the cost and reach of a sample MCM effort. For example, a mass media public education (passive education) and outreach campaign aimed at educating the public about the pollutant effects of overwatering and basic lawn care would have an estimated cost of $50,000 to start and $50,000 per year. It will reach a significant number of residents (high hit rate) but have a low adoption rate (18%). That is, if the outreach effort reached 1000 residents, 180 of them would adopt pro-environmental behaviors.

The impact of that behavior change on pollutant load varies on the polluting behavior type and the pollutant contribution type as discussed in Table 6.1. The matrix of polluting behavior types and pollutant contribution type are multiplied by the adoption rate to calculate an end matrix of behavior impact as shown in Table 7.1, below.

Table 7.1

End matrix of behavioral impact outputs from Public Education MCM efforts.									
		Polluting behavior type					Polluting behavior type		
		Entirely (100%)	Largely (66%)	Partially (33%)			Entirely (100%)	Largely (66%)	Partially (33%)
Pollutant contribution type	High (90%)	90.0%	59.4%	29.7%	x.18	High (90%)	16.2%	10.7%	5.3%
	Medium (60%)	60.0%	39.6%	19.8%		Medium (60%)	10.8%	7.1%	3.6%
	Low (30%)	30.0%	19.8%	9.9%		Low (30%)	5.4%	3.6%	1.8%

Returning to the sample MCM effort of a mass media public education (passive education) and outreach campaign aimed at educating the public about the pollutant effects of overwatering and basic lawn care, the campaign is primarily aimed at two polluting behaviors of improper fertilization and over-watering.

Table 7.2

Mass media public education campaign around overwatering and lawn maintenance.							
Residential Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Improper fertilization	X	●	X	X	X	○	
Over-watering	○	⊙	○	X	○	⊙	

Improper fertilization is a polluting behavior where the impact is *largely* the result of the behavior. Over-watering is a polluting behavior where the impact is *partially* the result of the behavior. As a result, the outreach campaign will have the following end impacts.

Table 7.3

Mass media public education campaign around overwatering and lawn maintenance.							
Residential Polluting Behavior	Storm Water Pollutants						
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins	Other
Improper fertilization	X	10.7%	X	X	X	3.6%	
Over-watering	○	3.6%	1.8%	X	1.8%	3.6%	

In interpreting the end impact, the percentages given are the percent of the pollution corrected for the population outreached. For example, the sample outreach effort would correct an estimated 10.7% of the nutrient pollution caused by improper fertilization for the entire population reached by the outreach effort. That is, of the sample population of 1000 residents reached, 180 adopted pro-environmental behaviors which reduced their personal nutrient pollution from improper fertilization by 59.4%, representing 10.7% of the entire nutrient pollution for the population of 1000 residents.

A final consideration is determining when the impact will be observed. Because the MCMs evaluated in this memorandum contemplate pollutants that are directly the result of human action, the pollutant load reduction will track closely with the cessation of that action, which can have a temporal element. Behavior may not change instantaneously, but may change gradually as messaging is reinforced. While modeling the pollutant load reduction may be approached as instantaneous with the conclusion of the MCM effort, additional field investigations regarding the time required for behaviors to change would be necessary to estimate anticipated trends of pollutant load reductions.

8. CONCLUSIONS

The overall average percent removal for all constituents and all activities varies depending on the social constructs that are implemented through the MCMs, the polluting behavior targeted, the type of pollutant that behavior affects, and the degree of control over which the City has over that behavior (e.g. employee's behavior can be affected more directly than the public's behavior).

Because the lower public education value used does not consider any of the other behavioral constructs that are affected by the outreach campaigns (guilt, social norm, etc.), this overall percent removal may be lower than what will be observed. Given the amount of behavior change that may be achieved with the MCMs that the dischargers are implementing and the degree of effects that this behavior change can have on pollutant discharge as shown in this analysis, it is reasonable to estimate a 5% mass load reduction associated with MCM implementation.

9. ASSUMPTIONS AND LIMITATIONS

The following assumptions and limitations should be taken into account when considering using the values presented.

- The percent removals are not based on specific geographic areas and may not apply equally to all geographic areas. For example, activities with a high degree of City control where they are performed by City employees, these may only apply to areas where City employees act, such as maintenance facilities or public buildings and may represent a fairly small portion of the entire

pollutant load to a watershed of a particular pollutant. This geospatial variance is not taken into consideration in the averaging techniques employed.

- If only pollutant removals for activities with low degrees of City control – i.e. those that require public behavior change were to be included, the overall average percent removals would be lower. This assumes that the activities affective public behavior change do not achieve all the constructs necessary to maximize behavior change (Intention, Moral Norm, Attitude, Perceived Behavioral Control, Guilt, Social Norm, Internal Attribution, Problem Awareness).

- If all the constructs necessary to maximize behavior change were successfully achieved throughout the population of the City, then the percent removals would potentially be higher than the average values presented herein.

- The percent reductions are based on a theoretical assessment of the potential reduction that could occur for a specific pollutant within a limited geography should a behavior actually change with respect to the release of that pollutant. Specific field studies are few that have measured changes in pollutant loads as correlated with behavior change.

- The data is more thorough for the measurement of behavior change through the use of survey instruments and observations of random samples through a population to correlate the constructs with changed behavior. The relationship between the behavior change and a measured concentration of a pollutant in runoff is more tenuous and the authors are relying on theoretical relationships between behavior associated with use of certain materials and pollutant releases during the uses of those materials.

RESOURCES

- Armitage, C. & Conner. M (2001). *Efficacy of the theory of planned behaviour: A meta-analytic review. British Journal of Social Psychology*. 40, 471–499.
- Assessing municipal stormwater progress towards TMDL wasteload allocations through control measure implementation. *BASMAA technical draft*. September 2010.
- Bamberg, S. and Moser, G. (2007). Twenty years after Hines, Hungerford and Tomera: A new meta-analysis of pscycho-social determinants of pro-environmental behaviour. *Journal of Environmental Psychology*, 27, 14–25.
- BMP Fact Sheets. Available at *www.stormwatercenter.net*. Accessed February 7, 2014.
- Center for Watershed Protection. Municipal Pollution Prevention / Good Housekeeping Practices: Version 1.0. Urban Watershed Restoration Manual Series. September 2008.
- Center for Watershed Protection. Pollution Source Control Practices: Version 1.0. Urban Watershed Restoration Manual Series. September 2005.
- Coffman, L. S. Reducing Nonpoint Pollution with Public Outreach/Education Programs. *Maryland Department of Environmental Resources*.
- Hayden, D. and Deng, F. (2013). The Science of Goal Setting: A Practitioner's Guide to Goal Setting in the Social Marketing of Conservation. *Social Marketing Quarterly,* 2013, 19:13.
- Hines, J. M., Hungerford, H. R., & Tomera, A. N. (1986/87). Analysis and synthesis of research on responsible environmental behaviour: A meta-analysis. *Journal of Environmental Education*, 18, 1–8.
- Nordlund, A. M, & Garvill, J. (2003). Effects of values, problem awareness, and personal norm on willingness to reduce personal car use. *Journal of Environmental Psychology*, 23, 339–347.

- United States Environmental Protection Agency. Pollution Prevention / Good Housekeeping Minimum Control Measure. January 2000. Factsheet 2.8.
- United States Environmental Protection Agency. Public Participation / Involvement Minimum Control Measure. January 2000. Factsheet 2.4.
- Weiner (2000). Intrapersonal and interpersonal theories of motivation from an attributional perspective. *Educational Psychology Review*. 12, 1–14.

Appendix A – List of estimated pollutant behavior impact ranges.

The following table summarizes the potential range of pollutant load reductions from different behaviors across stormwater pollutant types. The ranges are produced by taking the values calculated in Table 6.2 through 6.4 and multiplying them by 0.18 and 0.80. The 0.18 value is the most commonly observed impact of public education and outreach from a pure problem awareness campaign. The 0.80 value is the estimated effectiveness of pollution prevention and good housekeeping efforts mandated by municipalities.

When evaluating where a particular MCM effort will fall in the range, the following guidance is provided:

- For public education and outreach efforts, a safety factor is to rely on the 0.18 value (the lowest end of the range). A pattern of success, a chain of education efforts that build on each other, or a particularly large investment all justify moving higher in the range.
- For public participation and involvement, these MCMs typically do not seek to affect behavior change but rather lay the foundation to support public education and outreach efforts. To the extent that a public participation and involvement campaign does seek to affect behavior change, the same guidance for public education and outreach efforts applies.
- For pollution prevention and good housekeeping, the highest value should be used which reflects an 80% success rate in adopting and enforcing the new policy. A pattern of failure or lack of enforcement resources justifies moving lower in the range.

List of estimated pollutant behavior impact ranges.						
Polluting Behavior	Storm Water Pollutants					
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins
Tree clearing	10.8% – 48.0%	10.8% – 48.0%	X	X	X	X
Yard waste dumping	10.8% – 48.0%	16.2% – 72.0%	X	5.4% – 24.0%	5.4% – 24.0%	X
Failing septic systems	5.4% – 24.0%	16.2% – 72.0%	X	16.2% – 72.0%	X	5.4% – 24.0%
Pool discharges	X	X	X	X	X	16.2% – 72.0%
HHW dumping	X	5.4% – 24.0%	16.2% – 72.0%	X	X	16.2% – 72.0%
Car fluid spills/dumping	X	X	10.8% – 48.0%	X	X	16.2% – 72.0%
Used oil spills/dumping	X	X	10.8% – 48.0%	X	X	16.2% – 72.0%
Connected downspouts	10.8% – 48.0%	16.2% – 72.0%	16.2% – 72.0%	10.8% – 48.0%	X	5.4% – 24.0%
Poor STP maintenance	16.2% – 72.0%	16.2% – 72.0%	16.2% – 72.0%	10.8% – 48.0%	16.2% – 72.0%	5.4% – 24.0%
Storm drain dumping	10.8% – 48.0%	5.4% – 24.0%	10.8% – 48.0%	10.8% – 48.0%	16.2% – 72.0%	16.2% – 72.0%
Recreation vehicle waste	X	16.2% – 72.0%	X	16.2% – 72.0%	16.2% – 72.0%	10.8% – 48.0%
Illegal dumping	5.4% – 24.0%	5.4% – 24.0%	5.4% – 24.0%	X	16.2% – 72.0%	16.2% – 72.0%
Prescription drugs drain	X	X	X	10.8% – 48.0%	X	16.2% – 72.0%
Recreational boat waste	10.8% – 48.0%	X	X	10.8% – 48.0%	X	10.8% – 48.0%
Failure to recycle	X	X	16.2% – 72.0%	X	16.2% – 72.0%	X

List of estimated pollutant behavior impact ranges.						
Polluting Behavior	Storm Water Pollutants					
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins
Landscape waste management	5.4% – 24.0%	5.4% – 24.0%	X	X	X	X
Storm drain stenciling	X	X	5.4% – 24.0%	16.2% – 72.0%	10.8% – 48.0%	10.8% – 48.0%
Waste collection and recycling	X	X	10.8% – 48.0%	10.8% – 48.0%	16.2% – 72.0%	10.8% – 48.0%
Hazardous waste collect	X	5.4% – 24.0%	10.8% – 48.0%	5.4% – 24.0%	16.2% – 72.0%	16.2% – 72.0%
Employee training	16.2% – 72.0%	16.2% – 72.0%	16.2% – 72.0%	16.2% – 72.0%	16.2% – 72.0%	16.2% – 72.0%
Improper fertilization	X	10.7% – 47.5%	X	X	X	3.6% – 15.8%
Excess pesticide use	X	X	X	X	X	10.7% – 47.5%
Added IC and bare soil	10.7% – 47.5%	3.6% – 15.8%	7.1% – 31.7%	X	7.1% – 31.7%	3.6% – 15.8%
Car wash water flows	7.1% – 31.7%	10.7% – 47.5%	7.1% – 31.7%	X	X	7.1% – 31.7%
Pet waste wash off	X	10.7% – 47.5%	X	10.7% – 47.5%	X	X
Hobby farm run off	7.1% – 31.7%	10.7% – 47.5%	3.6% – 15.8%	7.1% – 31.7%	3.6% – 15.8%	X
Horse / stable run off	X	10.7% – 47.5%	X	10.7% – 47.5%	X	X
Vehicle repair	3.6% – 15.8%	3.6% – 15.8%	10.7% – 47.5%	X	X	10.7% – 47.5%
Vehicle fueling	X	3.6% – 15.8%	10.7% – 47.5%	X	X	10.7% – 47.5%
Vehicle washing	10.7% – 47.5%	10.7% – 47.5%	7.1% – 31.7%	X	X	10.7% – 47.5%
Vehicle storage	3.6% – 15.8%	X	7.1% – 31.7%	X	7.1% – 31.7%	3.6% – 15.8%
Outdoor loading	10.7% – 47.5%	7.1% – 31.7%	7.1% – 31.7%	X	X	3.6% – 15.8%
Outdoor storage	10.7% – 47.5%	7.1% – 31.7%	7.1% – 31.7%	X	X	7.1% – 31.7%
Waste management	3.6% – 15.8%	7.1% – 31.7%	7.1% – 31.7%	X	7.1% – 31.7%	10.7% – 47.5%
Building repair	10.7% – 47.5%	3.6% – 15.8%	7.1% – 31.7%	X	X	7.1% – 31.7%
Construction	10.7% – 47.5%	3.6% – 15.8%	3.6% – 15.8%	X	7.1% – 31.7%	7.1% – 31.7%
Street sweeping	10.7% – 47.5%	3.6% – 15.8%	7.1% – 31.7%	X	7.1% – 31.7%	3.6% – 15.8%
Stormwater management practice maintenance	7.1% – 31.7%	7.1% – 31.7%	7.1% – 31.7%	3.6% – 15.8%	X	3.6% – 15.8%
Leaf and landscape collect	3.6% – 15.8%	X	X	X	X	X
Over-watering	1.8% – 7.9%	3.6% – 15.8%	1.8% – 7.9%	X	1.8% – 7.9%	3.6% – 15.8%
Extensive turf cover	1.8% – 7.9%	3.6% – 15.8%	X	X	X	3.6% – 15.8%
Soil compaction	3.6% – 15.8%	3.6% – 15.8%	1.8% – 7.9%	1.8% – 7.9%	X	X
Soil erosion	5.3% – 23.8%	3.6% – 15.8%	1.8% – 7.9%	1.8% – 7.9%	X	X
Hosing/Leaf-blowing	5.3% – 23.8%	3.6% – 15.8%	3.6% – 15.8%	X	3.6% – 15.8%	1.8% – 7.9%
Buffer encroachment	1.8% – 7.9%	1.8% – 7.9%	1.8% – 7.9%	1.8% – 7.9%	1.8% – 7.9%	X
Building maintenance	5.3% – 23.8%	X	5.3% – 23.8%	X	X	3.6% – 15.8%

List of estimated pollutant behavior impact ranges.						
Polluting Behavior	Storm Water Pollutants					
	Sediment	Nutrients	Metals	Bacteria	Trash	Toxins
Parking lot maintenance	5.3% – 23.8%	1.8% – 7.9%	3.6% – 15.8%	X	X	3.6% – 15.8%
Turf management	3.6% – 15.8%	5.3% – 23.8%	X	X	X	5.3% – 23.8%
Landscaping	1.8% – 7.9%	5.3% – 23.8%	X	X	X	5.3% – 23.8%
Street maintenance	3.6% – 15.8%	X	3.6% – 15.8%	X	3.6% – 15.8%	3.6% – 15.8%
Bridge maintenance	1.8% – 7.9%	X	3.6% – 15.8%	X	3.6% – 15.8%	3.6% – 15.8%
Right-of-way maintenance	3.6% – 15.8%	5.3% – 23.8%	X	X	X	5.3% – 23.8%
Maintenance of inlet/outlet system	3.6% – 15.8%	1.8% – 7.9%	1.8% – 7.9%	X	3.6% – 15.8%	1.8% – 7.9%
Maintenance of storm drain system	3.6% – 15.8%	1.8% – 7.9%	1.8% – 7.9%	X	3.6% – 15.8%	1.8% – 7.9%

X. Behavior does not contribute to this pollutant type.

PAGE INTENTIONALLY LEFT BLANK

Attachment N

Volume Reductions Based on Development

PAGE INTENTIONALLY LEFT BLANK

Volume Reduction based on Re-Development in the Dominguez Channel Watershed							
City	Land Use	Volume Reduction by Milestone Year (acre-feet)					
		2018 Nutrient (100%)[1]	2019 Toxics (100%)[1]	2026 Metal (75%)	2029 Metal (90%)	2032 Metal (100%)	2040 Bacteria (100%)
El Segundo	Commercial	-	-	0.44	0.56	0.68	1.00
	Education	-	-	0.00	0.00	0.00	0.00
	Industrial	-	-	1.52	1.94	2.36	3.47
	Residential	-	-	0.00	0.00	0.00	0.00
Hawthorne	Commercial	-	-	0.76	0.97	1.17	1.72
	Education	-	-	0.18	0.23	0.28	0.40
	Industrial	-	-	1.23	1.56	1.90	2.79
	Residential	-	-	2.72	3.47	4.21	6.19
Inglewood	Commercial	-	-	1.09	1.38	1.68	2.47
	Education	-	-	0.19	0.24	0.29	0.43
	Industrial	-	-	0.42	0.53	0.64	0.95
	Residential	-	-	3.21	4.09	4.97	7.30
Los Angeles	Commercial	-	-	0.37	0.47	0.57	0.84
	Education	-	-	0.04	0.05	0.07	0.10
	Industrial	-	-	0.99	1.26	1.53	2.25
	Residential	-	-	1.46	1.86	2.26	3.32
County Unincorporated	Commercial	-	-	0.28	0.35	0.43	0.63
	Education	-	-	0.35	0.45	0.54	0.80
	Industrial	-	-	1.89	2.41	2.92	4.30
	Residential	-	-	3.02	3.84	4.67	6.86
Total:		**-**	**-**	**20.16**	**25.65**	**31.15**	**45.81**

[1] Machado Lake Nutrient and Toxics TMDLs not applicable to this watershed.

Volume Reduction based on Re-Development in the Dominguez Channel Estuary Watershed							
City	**Land Use**	**Volume Reduction by Milestone Year (acre-feet)**					
		2018 Nutrient (100%)[1]	**2019 Toxics (100%)[1]**	**2026 Metal (75%)**	**2029 Metal (90%)**	**2032 Metal (100%)**	**2040 Bacteria (100%)**
Los Angeles	Commercial	-	-	0.69	0.88	1.07	1.57
	Education	-	-	0.07	0.09	0.11	0.16
	Industrial	-	-	2.82	3.59	4.36	6.41
	Residential	-	-	0.79	1.01	1.22	1.80
County Unincorporated	Commercial	-	-	0.56	0.71	0.87	1.27
	Education	-	-	0.06	0.07	0.09	0.13
	Industrial	-	-	1.66	2.11	2.56	3.77
	Residential	-	-	0.95	1.21	1.47	2.16
Total:		**-**	**-**	**7.59**	**9.67**	**11.74**	**17.26**

[1] Machado Lake Nutrient and Toxics TMDLs not applicable to this watershed.

Volume Reduction based on Re-Development in the Wilmington Drain Watershed							
City	Land Use	Volume Reduction by Milestone Year (acre-feet)					
		2018 Nutrient (100%)	2019 Toxics (100%)	2026 Metal (75%)[1]	2029 Metal (90%)[1]	2032 Metal (100%)[1]	2040 Bacteria (100%)
Lomita	Commercial	0.04	0.06	-	-	-	0.35
	Education	0.01	0.01	-	-	-	0.06
	Industrial	0.00	0.00	-	-	-	0.00
	Residential	0.24	0.32	-	-	-	2.00
Los Angeles	Commercial	0.02	0.03	-	-	-	0.19
	Education	0.02	0.02	-	-	-	0.13
	Industrial	0.09	0.12	-	-	-	0.75
	Residential	0.17	0.23	-	-	-	1.45
County Unincorporated	Commercial	0.03	0.03	-	-	-	0.21
	Education	0.00	0.00	-	-	-	0.01
	Industrial	0.06	0.08	-	-	-	0.51
	Residential	0.19	0.26	-	-	-	1.60
Total:		**0.87**	**1.16**	**-**	**-**	**-**	**7.27**

[1] Harbor Toxics TMDLs not applicable to this watershed.

Volume Reduction based on Re-Development in the Machado Lake Watershed							
City	Land Use	Volume Reduction by Milestone Year (acre-feet)					
		2018 Nutrient (100%)	2019 Toxics (100%)	2026 Metal (75%)[1]	2029 Metal (90%)[1]	2032 Metal (100%)[1]	2040 Bacteria (100%)
Lomita	Commercial	0.02	0.03	-	-	-	0.17
	Education	0.00	0.00	-	-	-	0.01
	Industrial	0.00	0.00	-	-	-	0.01
	Residential	0.11	0.14	-	-	-	0.89
Los Angeles	Commercial	0.06	0.08	-	-	-	0.48
	Education	0.03	0.04	-	-	-	0.23
	Industrial	0.09	0.12	-	-	-	0.75
	Residential	0.22	0.30	-	-	-	1.85
County Unincorporated	Commercial	0.00	0.00	-	-	-	0.00
	Education	0.00	0.00	-	-	-	0.00
	Industrial	0.00	0.00	-	-	-	0.00
	Residential	0.00	0.00	-	-	-	0.00
Total:		**0.53**	**0.70**	**-**	**-**	**-**	**4.39**

[1] Harbor Toxics TMDLs not applicable to this watershed.

Volume Reduction based on Re-Development in the Harbor Watershed							
City	Land Use	Volume Reduction by Milestone Year (acre-feet)					
		2018 Nutrient (100%)[1]	2019 Toxics (100%)[1]	2026 Metal (75%)	2029 Metal (90%)	2032 Metal (100%)	2040 Bacteria (100%)
Los Angeles	Commercial	-	-	1.34	1.71	2.08	3.06
	Education	-	-	0.20	0.26	0.31	0.46
	Industrial	-	-	2.82	3.59	4.36	6.41
	Residential	-	-	4.81	6.13	7.44	10.94
County Unincorporated	Commercial	-	-	0.05	0.06	0.07	0.10
	Education	-	-	0.00	0.00	0.00	0.00
	Industrial	-	-	0.00	0.00	0.00	0.00
	Residential	-	-	0.10	0.13	0.16	0.23
Total:		**-**	**-**	**9.33**	**11.88**	**14.42**	**21.21**

[1] Machado Lake Nutrient and Toxics TMDLs not applicable to this watershed.

PAGE INTENTIONALLY LEFT BLANK

Attachment O

Summary of Existing Structural BMPs in DC WMG

PAGE INTENTIONALLY LEFT BLANK

This attachment includes tables summarizing the existing Best Management Practices (BMPs) implemented by the Dominguez Channel Watershed Management Group (DC WMG), corresponding with Section 4.2 of the DC WMG Enhanced Watershed Management Program (EWMP).

Attachment O List of Tables

PAGE INTENTIONALLY LEFT BLANK

Table O.1: Number of Reported BMPs Maintained during 2010-2011 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Structural BMPs									
Category	**Subcategory**	**BMPs**							
Regional	**Infiltration**	Infiltration Basin		3					**3**
	Detention								
	Constructed Wetland								
	Treatment Facilities								
	Low Flow Diversions	Diversion Structure						4	**4**
Distributed	**Site-Scale Detention**								
	Green Infrastructure	Biofilters		2					**2**
		Geo Block Porous Pavement					12		**12**
		Infiltration Trenches		1			42		**43**
	Flow-through Treatment BMPs								
	Source Control Structural BMPs	Abtech Ultra Urban Catch Basin Insert					82		**82**
		Automatic Retractable Screen Catch Basin (ARS)						179	**179**
		CDS Gross Pollutant Separators		1			14		**15**
		Clean Screen Catch Basin Inserts	15					60	**75**
		Connector Pipe Screens Catch Basin (CPS)						179	**179**
		Covered Material Bunkers	12						**12**
		Covered Trash Bins	15	1				2	**18**

Table O.1: Number of Reported BMPs Maintained during 2010-2011 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Distributed	Source Control Structural BMPs (Continued)	Drain Pac Catch Basin Inserts					352		**352**
		Extra Trash Cans	62					159	**221**
		Floating Trash Booms						1	**1**
		Fossil Filter Catch Basin Inserts	1	43			198	4	**246**
		Grate Plate - Entrance						2	**2**
		Restaurant Vent Traps	44						**44**
		Sand Bag						800	**800**
		Sand Filter		3					**3**
		Signage & Stenciling		65					**65**
		Silt Fence						1	**1**
		Stormceptor Gross Pollutant Separators	6				9		**15**
		Straw Mulch						5	**5**
Institutional BMPs									
		Dog Parks	2				7		**9**
		Enhanced Street Sweeping	2					1	**3**

Table O.2: Number of Reported BMPs Maintained during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Structural BMPs									
Category	**Subcategory**	**BMPs**							
Regional	**Infiltration**	Infiltration Basin / Chamber		4					**4**
	Detention								
	Constructed Wetland								
	Treatment Facilities								
	Low Flow Diversions								
Distributed	**Site-Scale Detention**								
	Green Infrastructure	Bioretention Facility(planter box)					144		**144**
		Bioswale		4					**4**
		Filterra Biofiltration Unit						4	**4**
		Geo Block Porous Pavement					12		**12**
		Green Roof					1		**1**
		Infiltration Trenches		1			44	3	**48**
		Vegetated Swale/Strip					29		**29**
	Flow-through Treatment BMPs								
	Source Control Structural BMPs	Abtech Ultra Urban Catch Basin Insert					82		**82**
		Automatically Retractable Screens (ARS)						160	**160**
		Catch Basin Connector Pipe Full Capture(CPS)						193	**193**

Table O.2: Number of Reported BMPs Maintained during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Distributed	Source Control Structural BMPs (Continued)	Catch Basin Insert					2		**2**
		Catch Basin Opening Screen					3460		**3460**
		CDS Gross Pollutant Separators		1			17		**18**
		Check Dam						3	**3**
		Clean Screen Catch Basin Inserts	15					15	**30**
		Concrete Washout Containers						3	**3**
		Covered Material Bunkers	12					59	**71**
		Covered Trash Bins	15	1				12	**28**
		Covered Waste Fuel Tanks						1	**1**
		Drain Pac Catch Basin Inserts					352		**352**
		Extra Trash Cans	62					182	**244**
		Fiber Rolls						6	**6**
		Fossil Filter Catch Basin Inserts	1	43			237	18	**299**
		Gravel Bag Berm						4	**4**
		Jensen					1		**1**
		Potable Water / Irrigation						4	**4**
		Restaurant Vent Traps	44						**44**
		Sand Filter		4			1		**5**
		Sandbags						821	**821**

Table O.2: Number of Reported BMPs Maintained during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Distributed	Source Control Structural BMPs (Continued)	Secondary Containment for Waste Oil Tanks						1	**1**
		Sediment Trap						5	**5**
		Shakers						2	**2**
		Signage & Stenciling		73					**73**
		Slope Stabilization						2	**2**
		Soil Stabilizer Tracking Control						2	**2**
		Spill Containment-Temp. Hazardous Material Storage						4	**4**
		Spill Prevention & Control						4	**4**
		Stabilized Construction Entrance/Exit						35	**35**
		Steel Plate						30	**30**
		Stormceptor Gross Pollutant Separators	6				9	6	**21**
		Storm Drain Inlet Protection						26	**26**
		Trench Drain Inlet						2	**2**
		Upgraded Fuel System with Canopy						2	**2**
Institutional BMPs									
		Concrete Curing			38				**38**
		Concrete Finishing			38				**38**
		Concrete Waste Management			15				**15**
		Dog Parks	2	7					**9**

Table O.2: Number of Reported BMPs Maintained during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
		Dust Control			2				**2**
		Erosion Control			4				**4**
		Enhanced Street Sweeping	2					61	**63**
		Hazardous Waste Management						3	**3**
		Liquid Waste Management			1				**1**
		Material Delivery & Storage			4				**4**
		Off-site Vehicle & Equipment Fueling			7				**7**
		Paving & Grinding Operations			8				**8**
		Preservation of Existing Vegetation			4				**4**
		Sanitary Septic Waste Management			4				**4**
		Scheduling			1				**1**
		Solid Waste Management						7	**7**
		Stockpile Management			12				**12**
		Vehicle & Equipment Maintenance			4				**4**
		Water Conservation Practices			4				**4**
		Water Trucks			2				**2**
		Wind Erosion Control			7				**7**

Table O.3: Number of Reported BMPs Installed during 2010-2011 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	City of Los Angeles	County of Los Angeles	Total
Structural BMPs									
Category	**Subcategory**	**BMPs**							
Regional	**Infiltration**	Infiltration Basin, Chamber, Pit		2					**2**
	Detention								
	Constructed Wetland								
	Treatment Facilities								
	Low Flow Diversions								
Distributed	**Site-Scale Detention**								
	Green Infrastructure	Bioswale		1					**1**
		Infiltration Trenches					5		**5**
	Flow-through Treatment BMPs								
	Source Control Structural BMPs	Abtech Ultra Urban Catch Basin Insert					16		**16**
		Automatic Retractable Screens Catch Basin (ARS)			179				**179**
		Clean Screen Catch Basin Inserts						1	**1**
		Connector Pipe Screens Catch Basin (CPS)			179				**179**
		Covered Trash Bins						2	**2**
		Fossil Filter Catch Basin Inserts					25		**25**
		Grate Plate Entrance			2				**2**
		Sand Filter		1					**1**

Table O.3: Number of Reported BMPs Installed during 2010-2011 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	City of Los Angeles	County of Los Angeles	Total
	Source Control Structural BMPs (Continued)	Sandbag			300				**300**
		Signage & Stenciling		10					**10**
		Silt Fence			1				**1**
		Straw Mulch			5				**5**
Institutional BMPs									
		Enhanced Street Sweeping						1	**1**

Table O.4: Number of Reported BMPs Installed during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Structural BMPs									
Category	**Subcategory**	**BMPs**							
Regional BMPs	**Infiltration**	Infiltration Basin, Chamber, Pit, Trench		1	3				**4**
	Detention	Detention Basin							**1**
	Constructed Wetland								
	Treatment Facilities								
	Low Flow Diversions								
Distributed BMPs	**Site-Scale Detention**								
	Green Infrastructure	Bio-retention Facility					15		**15**
		Bioswale		2	1				**3**
		Dry Well			1				**1**
		Filterra Biofiltration Unit						4	**4**
		Green Roof					1		**1**
		Infiltration Trenches			2		2	1	**5**
		Vegetated Swales			1		3		**4**
	Flow-through Treatment BMPs								
	Source Control Structural BMPs	Abtech Ultra Urban Catch Basin Insert					16		**16**
		Catch Basin Inserts (various)			21	2	3		**26**
		Catch Basin Opening Screen					502		**502**

Table O.4: Number of Reported BMPs Installed during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
Distributed	Source Control Structural BMPs (Continued)	CDS Gross Pollutant Separators					3		**3**
		Check Dams						3	**3**
		Clean Screen Catch Basin Inserts						4	**4**
		Covered Trash Bins			5				**5**
		Fossil Filter Catch Basin Inserts					39		**39**
		Fueling Area Control				1			**1**
		Gravel Bag Berm						4	**4**
		Jensen					1		**1**
		Rooftop Runoff Control				1			**1**
		Sand Filter		1			1		**2**
		Signage & Stenciling		8		3			**11**
		Silt Fence						4	**4**
		Stabilized Construction Entrance/Exit						6	**6**
		Storm Drain Inlet Protection						12	**12**
		StormFilter			3				**3**
		Trash Storage Area				1			**1**
		Vertex Separator				1			**1**
Institutional BMPs									
		Concrete Curing						15	**15**

Table O.4: Number of Reported BMPs Installed during 2011-2012 by the DC WMG

BMP Type			El Segundo	Hawthorne	Inglewood	Lomita	Los Angeles	County of Los Angeles	Total
		Concrete Finishing						5	**5**
		Concrete Waste Management						5	**5**
		Enhanced Street Sweeping						3	**3**
		Hazardous Waste Management						3	**3**
		Offsite Vehicle & Equipment Fueling						2	**2**
		Paving & Grinding Operations						2	**2**
		Potable Water/ Irrigation						2	**2**
		Preservation of Existing Vegetation						4	**4**
		Sanitary Septic Waste Management						3	**3**
		Scheduling						1	**1**
		Solid Waste Management						4	**4**
		Spill Prevention & Control						3	**3**
		Stockpile Management						8	**8**
		Vehicle & Equipment Maintenance						2	**2**
		Water Conservation Practices						3	**3**
		Wind Erosion Control						3	**3**

Table O.5: City of Los Angeles/ Inglewood BMPs in the DC WMG				
BMP Type			**Los Angeles**	**Total**
Structural BMPs				
Category	**Subcategory**	**BMPs**		
Regional	**Infiltration**	Infiltration System Peck Park Canyon Stormwater Enhancement Rosecrans Recreational Center Stormwater Enhancements Wilmington Drain Rehabilitation	3	**3**
	Detention	Detention System Peck Park Canyon Stormwater Enhancement Rosecrans Recreational Center Stormwater Enhancements Wilmington Drain Rehabilitation	3	**3**
	Constructed Wetland			
	Treatment Facilities			
	Low Flow Diversions			
Distributed	**Site-Scale Detention**			
	Green Infrastructure	Bio-retention Planters Peck Park Canyon Stormwater Enhancement Rosecrans Recreational Center Stormwater Enhancements Wilmington Drain Rehabilitation	3	**3**
		Drought Tolerant Plants Peck Park Canyon Stormwater Enhancement Rosecrans Recreational Center Stormwater Enhancements Wilmington Drain Rehabilitation	3	**3**
	Flow-through Treatment BMPs			
	Source Control Structural BMPs			
Institutional BMPs				
		Stormwater Re-use Peck Park Canyon Stormwater Enhancement Rosecrans Recreational Center Stormwater Enhancements Wilmington Drain Rehabilitation Well 7	4	**4**

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
Hawthorne							
1	SUSMP	Institutional	Storm Drain Stencil and Signage	1 Northrop Ave	33.920038	-118.334708	12/7/2005
2	SUSMP	Source Control	7 Filter Inserts	1 Northrop Ave	33.920038	-118.334708	12/7/2005
3	SUSMP	Institutional	Storm Drain Stencil and Signage	10320 Cerise Ave	33.919236	-118.333397	
4	SUSMP	Source Control	Clarifier	10320 Cerise Ave	33.919236	-118.333397	
5	SUSMP	Institutional	Storm Drain Stencil and Signage	11330 Hawthorne Blvd	33.931214	-118.352108	9/22/2004
6	SUSMP	Source Control	3 Filter Inserts	11330 Hawthorne Blvd	33.931214	-118.352108	9/22/2004
7	SUSMP	Green Infrastructure	Vegetated Swale	11436 Hawthorne Blvd	33.930169	-118.351858	4/30/2007
8	SUSMP	Institutional	Storm Drain Stencil and Signage	11436 Hawthorne Blvd	33.930169	-118.351858	4/30/2007
9	SUSMP	Source Control	3 Filter Inserts	11436 Hawthorne Blvd	33.930169	-118.351858	4/30/2007
10	SUSMP	Institutional	Storm Drain Stencil and Signage	11540 Hawthorne Blvd	33.929622	-118.352097	
11	SUSMP	Source Control	1 Filter Insert	11540 Hawthorne Blvd	33.929622	-118.352097	
12	SUSMP	Institutional	Storm Drain Stencil and Signage	11604 Prairie Ave	33.928614	-118.343183	10/21/2002
13	SUSMP	Source Control	1 Filter Insert	11604 Prairie Ave	33.928614	-118.343183	10/21/2002
14	SUSMP	Institutional	Oil-Water Separator	11643 S Prairie Ave	33.928367	-118.344144	
15	SUSMP	Institutional	Storm Drain Stencil and Signage	11643 S Prairie Ave	33.928367	-118.344144	
16	SUSMP	Institutional	Storm Drain Stencil and Signage	11646 Prairie Ave	33.928158	-118.343464	10/21/2002
17	SUSMP	Source Control	1 Filter Insert	11646 Prairie Ave	33.928158	-118.343464	10/21/2002
18	SUSMP	Green Infrastructure	33 Filterra Biotreatment System	12013 S Van Ness Ave	33.923447	-118.317603	6/25/2007
19	SUSMP	Source Control	Oil-Sediment Separator	12013 S Van Ness Ave	33.923447	-118.317603	6/25/2007
20	SUSMP	Institutional	Storm Drain Stencil and Signage	12101 Crenshaw Blvd	33.922183	-118.326969	7/17/2008
21	SUSMP	Source Control	4 Filter Inserts	12101 Crenshaw Blvd	33.922183	-118.326969	7/17/2008
22	SUSMP	Source Control	1 Sand Filter	12101 Crenshaw Blvd	33.922183	-118.326969	7/17/2008
23	SUSMP	Institutional	Storm Drain Stencil and Signage	12200 Wilkie Way	33.920656	-118.322111	
24	SUSMP	Source Control	6 Filter Inserts	12200 Wilkie Way	33.920656	-118.322111	
25	SUSMP	Source Control	3 Filter Inserts	12501 S Hawthorne Blvd	33.919569	-118.353169	6/21/2002
26	SUSMP	Source Control	3 Filter Inserts	12923 Inglewood Ave	33.9149	-118.361669	
27	SUSMP	Institutional	Storm Drain Stencil and Signage	13436 Roselle Ave	33.909836	-118.342533	
28	SUSMP	Source Control	4 Filter Inserts	13436 Roselle Ave	33.909836	-118.342533	
29	SUSMP	Institutional	Storm Drain Stencil and Signage	13811 Cordary Ave	33.906167	-118.34175	4/20/2006
30	SUSMP	Source Control	1 Filter Insert	13811 Cordary Ave	33.906167	-118.34175	4/20/2006
31	SUSMP	Institutional	Storm Drain Stencil and Signage	13914-13928 Lemoli Ave	33.904964	-118.33065	8/15/2006
32	SUSMP	Source Control	2 Filter Insert	13914-13928 Lemoli Ave	33.904964	-118.33065	8/15/2006
33	SUSMP	Institutional	Storm Drain Stencil and Signage	14250 S Prairie Ave	33.902242	-118.343269	2/10/2005
34	SUSMP	Source Control	2 Filter Insert	14250 S Prairie Ave	33.902242	-118.343269	2/10/2005
35	SUSMP	Green Infrastructure	3 Grass Swales	1440 Hindry Ave	33.900886	-118.371842	
36	SUSMP	Green Infrastructure	3 Dry Wells	1440 Hindry Ave	33.900886	-118.371842	
37	SUSMP	Institutional	Storm Drain Stencil and Signage	1440 Hindry Ave	33.900886	-118.371842	
38	SUSMP	Source Control	1 Filter Insert	1440 Hindry Ave	33.900886	-118.371842	
39	SUSMP	Institutional	Storm Drain Stencil and Signage	14600 Ocean Gate Ave	33.898469	-118.366183	
40	SUSMP	Source Control	3 Filter Inserts	14600 Ocean Gate Ave	33.898469	-118.366183	
41	SUSMP	Institutional	Storm Drain Stencil and Signage	14610 Hindry Ave	33.900886	-118.371592	
42	SUSMP	Source Control	(# Unknown) Filter Inserts	14610 Hindry Ave	33.900886	-118.371592	
43	SUSMP	Institutional	Storm Drain Stencil and Signage	14900 Hindry Ave	33.897167	-118.371086	
44	SUSMP	Source Control	9 Filter Inserts	14900 Hindry Ave	33.897167	-118.371086	
45	SUSMP	Green Infrastructure	9 Filterra Biotreatment System	2301 W 120th St	33.924389	-118.320328	7/24/2007
46	SUSMP	Institutional	Storm Drain Stencil and Signage	2301 W 120th St	33.924389	-118.320328	7/24/2007
47	SUSMP	Source Control	9 Filter Inserts	2301 W 120th St	33.924389	-118.320328	7/24/2007
48	SUSMP	Source Control	1 Vortex Separator	2301 W 120th St	33.924389	-118.320328	7/24/2007
49	SUSMP	Green Infrastructure	9 Filterra Biotreatment System	2400 El Segundo Blvd	33.916225	-118.319208	3/6/2007
50	SUSMP	Infiltration	4 Infiltration Systems	2400 El Segundo Blvd	33.916225	-118.319208	3/6/2007
51	SUSMP	Institutional	Storm Drain Stencil and Signage	2400 El Segundo Blvd	33.916225	-118.319208	3/6/2007

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
52	SUSMP	Source Control	35 Filter Inserts	2400 El Segundo Blvd	33.916225	-118.319208	3/6/2007
53	SUSMP	Institutional	Storm Drain Stencil and Signage	2750 W 120th St	33.916225	-118.324339	
54	SUSMP	Source Control	1 Filter Insert	2750 W 120th St	33.916225	-118.324339	
55	SUSMP	Source Control	1 Vortex Separator	2750 W 120th St	33.916225	-118.324339	
56	SUSMP	Institutional	Storm Drain Stencil and Signage	2800 W 120th St	33.922392	-118.324128	
57	SUSMP	Source Control	11 Filter Insert	2800 W 120th St	33.922392	-118.324128	
58	SUSMP	Institutional	Storm Drain Stencil and Signage	2808, 2815 El Segundo Blvd	33.9182	-118.328461	
59	SUSMP	Source Control	3 Filter Inserts	2808, 2815 El Segundo Blvd	33.9182	-118.328461	
60	SUSMP	Source Control	1 CDS Unit	2808, 2815 El Segundo Blvd	33.9182	-118.328461	
61	SUSMP	Source Control	5 Filter Inserts	2831-2909 W 120th St	33.924075	-118.324422	
62	SUSMP	Institutional	Storm Drain Stencil and Signage	2891 W 120th St	33.924247	-118.325311	
63	SUSMP	Source Control	2 Filter Inserts	2891 W 120th St	33.924247	-118.325311	
64	SUSMP	Source Control	21 Filter Inserts	3329-3525 Jack Northrop Ave	33.919906	-118.332789	12/21/2006
65	SUSMP	Institutional	Storm Drain Stencil and Signage	3440 W El Segundo Blvd	33.916169	-118.333742	10/17/2003
66	SUSMP	Source Control	1 CDS Unit	3440 W El Segundo Blvd	33.916169	-118.333742	10/17/2003
67	SUSMP	Institutional	Landscape Design	4569 El Segundo Blvd	33.916169	-118.371753	4/9/2002
68	SUSMP	Source Control	4 Filter Inserts	4773 W El Segundo Blvd	33.916603	-118.360833	2/23/2006
69	SUSMP	Source Control	1 Oil-Water Separator	4773 W El Segundo Blvd	33.916603	-118.360833	2/23/2006
70	SUSMP	Institutional	Storm Drain Stencil and Signage	4775 Rosecrans Ave	33.90225	-118.360906	
71	SUSMP	Source Control	4 Filter Inserts	4775 Rosecrans Ave	33.90225	-118.360906	
72	SUSMP	Institutional	Storm Drain Stencil and Signage	4859 W El Segundo	33.916836	-118.363317	10/10/2005
73	SUSMP	Source Control	2 Filter Inserts	4859 W El Segundo	33.916836	-118.363317	10/10/2005
74	SUSMP	Institutional	Storm Drain Stencil and Signage	4917 W 147th St	33.898028	-118.364358	
75	SUSMP	Source Control	3 Filter Inserts	4917 W 147th St	33.898028	-118.364358	
76	SUSMP	Institutional	Storm Drain Stencil and Signage	4951 W 119th St	33.925528	-118.365189	
77	SUSMP	Source Control	15 Filter Inserts	4951 W 119th St	33.925528	-118.365189	
78	SUSMP	Institutional	Storm Drain Stencil and Signage	5100 Rosecrans Ave	33.901086	-118.36845	
79	SUSMP	Source Control	6 Filter Inserts	5100 Rosecrans Ave	33.901086	-118.36845	
80	SUSMP	Source Control	Clarifier	5100 Rosecrans Ave	33.901086	-118.36845	
81	SUSMP	Source Control	1 Filter Insert	5105 W Rosecrans Ave	33.902253	-118.367225	8/13/2007
82	SUSMP	Source Control	1 Clarifier	5105 W Rosecrans Ave	33.902253	-118.367225	8/13/2007
83	SUSMP	Source Control	1 Filter Insert	5111 Marine Ave	33.894806	-118.368011	
84	SUSMP	Source Control	1 CDS Unit	Aviation Blvd. and Marine Ave	33.894511	-118.378467	11/29/2004
85	SUSMP	Infiltration	1 Cultec Infiltration System	NWC Hawthorne and 120th St	33.923914	-118.353072	3/13/2007
86	SUSMP	Institutional	Storm Drain Stencil and Signage	NWC Hawthorne and 120th St	33.923914	-118.353072	3/13/2007
87	SUSMP	Source Control	2 Filter Inserts	NWC Hawthorne and 120th St	33.923914	-118.353072	3/13/2007
88	SUSMP	Source Control	3 Filter Inserts	11524 Hawthorne Blvd	33.929597	-118.352144	9/14/2005
89	SUSMP	Green Infrastructure	Filterra Biotreatment System	NEC Aviation Blvd And El Segundo Blvd	33.916572	-118.3782	3/6/2007
90	SUSMP	Infiltration	3 Infiltration Systems	NEC Aviation Blvd And El Segundo Blvd	33.916572	-118.3782	3/6/2007
91	SUSMP	Source Control	1 Filter Insert	NEC Aviation Blvd And El Segundo Blvd	33.916572	-118.3782	3/6/2007
92	SUSMP	Institutional	Storm Drain Stencil and Signage	13812 Cordary Ave	33.906139	-118.341575	4/19/2006
93	SUSMP	Source Control	1 Filter Insert	13812 Cordary Ave	33.906139	-118.341575	4/19/2006
94	SUSMP	Source Control	Sand Filter	4150 W El Segundo Blvd	33.916625	-118.344144	
95	SUSMP	Source Control	Filter Inserts	4150 W El Segundo Blvd	33.916625	-118.344144	
96	SUSMP	Infiltration	Infiltration Gravel Basin	11300 Hawthorne Blvd	33.931572	-118.352778	
97	SUSMP	Source Control	1 C.B. Filter Insert	11300 Hawthorne Blvd	33.931572	-118.352778	
98	SUSMP	Green Infrastructure	Bio-Retention Boxes	4730 Imperial Hwy	33.930783	-118.360114	
99	SUSMP	Infiltration	Infiltration Trench	3211 Northrop Ave	33.919853	-118.330044	
100	SUSMP	Source Control	2 CB Filter Inserts	3211 Northrop Ave	33.919853	-118.330044	
101	SUSMP	Source Control	Sand Filter	3211 Northrop Ave	33.919853	-118.330044	
102	SUSMP	Permeable Pavement	Permeable Unit Paver	4160 W El Segundo Blvd	33.916244	-118.347406	
103	SUSMP	Permeable Pavement	Permeable Unit Paver	4320 Imperial Hw	33.930756	-118.352006	
104	SUSMP	Green Infrastructure	Drywell	1 Rocket Rd	33.919981	-118.326825	

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
105	SUSMP	Green Infrastructure	Vegetated Swale	1 Rocket Rd	33.919981	-118.326825	
106	SUSMP	Green Infrastructure	Bio-Retention Box	14441 Inglewood Ave	33.900197	-118.362019	
107	SUSMP	Source Control	4 C.B. Filter Inserts	14441 Inglewood Ave	33.900197	-118.362019	
108	SUSMP	Permeable Pavement	Permeable Unit Paver	13403 Kornblum Ave	33.910772	-118.337406	
109	SUSMP	Infiltration	Infiltration Chamber	11300 Hawthorne Blvd	33.931828	-118.352364	
110	SUSMP	Source Control	Filter Inserts	11300 Hawthorne Blvd	33.931828	-118.352364	
111	SUSMP	Permeable Pavement	Permeable Unit Paver	Various			
112	SUSMP	Infiltration	Infiltration Chambers	On Hawthorne Blvd from El Segundo Blvd to Rosecrans Ave			
Inglewood							
1	SUSMP	Source Control	Grease Interceptor	401 E Hillcrest Blvd	33.961078	-118.349833	4/4/2013
2	SUSMP	Infiltration	Infiltration System	1155 W Arbor Vitae St	33.954914	-118.376772	2/8/2006
3	SUSMP	Source Control	Filter Inserts	1155 W Arbor Vitae St	33.954914	-118.376772	2/8/2006
4	SUSMP	Institutional	Storm Drain Stencils	1155 W Arbor Vitae St	33.954914	-118.376772	2/8/2006
5	SUSMP	Source Control	Grease Interceptor	3900 W Manchester Blvd	33.957556	-118.341972	5/17/2013
6	SUSMP	Source Control	Filter Inserts	3900 W Manchester Blvd	33.957556	-118.341972	5/17/2013
7	SUSMP	Infiltration	Infiltration System	3000 W Century Blvd	33.945136	-118.32595	5/28/2013
8	SUSMP	Source Control	Inlet Filters	3000 W Century Blvd	33.945136	-118.32595	5/28/2013
9	SUSMP	Source Control	Trench Filters	3000 W Century Blvd	33.945136	-118.32595	5/28/2013
10	SUSMP	Infiltration	Infiltration System	215 W 94th St	33.950933	-118.35745	7/9/2013
11	SUSMP	Source Control	Inlet Filters	215 W 94th St	33.950933	-118.35745	7/9/2013
12	SUSMP	Source Control	Trench Filters	215 W 94th St	33.950933	-118.35745	7/9/2013
13	SUSMP	Green Infrastructure	Dry Well	8090 S Crenshaw Blvd	33.960119	-118.326706	7/16/2013
14	SUSMP	Source Control	Inlet Filters	8090 S Crenshaw Blvd	33.960119	-118.326706	7/16/2013
15	SUSMP	Source Control	Trench Filters	8090 S Crenshaw Blvd	33.960119	-118.326706	7/16/2013
16	SUSMP	Source Control	Trash Enclosure	8090 S Crenshaw Blvd	33.960119	-118.326706	7/16/2013
17	SUSMP	Infiltration	Infiltration System	927 W Manchester Blvd	33.960619	-118.372944	9/26/3013
18	SUSMP	Source Control	Inlet Filter	927 W Manchester Blvd	33.960619	-118.372944	9/26/3013
19	SUSMP	Source Control	Sump Area	927 W Manchester Blvd	33.960619	-118.372944	9/26/3013
20	SUSMP	Unknown		1050 S Prairie Ave	33.949536	-118.340478	
21	SUSMP	Unknown		317 S La Brea Ave	33.959569	-118.353519	
22	SUSMP	Unknown		3405 W Imperial Hwy	33.931094	-118.3321	
23	SUSMP	Infiltration	Infiltration System	555 E Hardty St	33.950825	-118.348367	4/24/2012
24	SUSMP	Source Control	6 Flogard Plus C.B. Inserts	555 E Hardty St	33.950825	-118.348367	4/24/2012
25	SUSMP	Green Infrastructure	Dry Well	335 S Glasgow Ave	33.958922	-118.371544	4/25/2012
26	SUSMP		Cudo SW Tank	335 S Glasgow Ave	33.958922	-118.371544	4/25/2012
27	SUSMP		Detention Area	335 S Glasgow Ave	33.958922	-118.371544	4/25/2012
28	SUSMP	Source Control	Trash Enclosure	335 S Glasgow Ave	33.958922	-118.371544	4/25/2012
29	SUSMP	Source control	Filters	740 Centinela Ave	33.9757	-118.352183	5/14/2012
30	SUSMP	Green Infrastructure	Landscape	740 Centinela Ave	33.9757	-118.352183	5/14/2012
31	SUSMP	Source Control	Trash Enclosure	740 Centinela Ave	33.9757	-118.352183	5/14/2012
32	SUSMP	Infiltration	Infiltration System	225 N La Brea Ave	33.965794	-118.353778	1/30/2013
33	SUSMP	Source Control	Filters	225 N La Brea Ave	33.965794	-118.353778	1/30/2013
34	SUSMP	Source Control	Sump Pump	225 N La Brea Ave	33.965794	-118.353778	1/30/2013
35	SUSMP	Source Control	Trash Enclosure	225 N La Brea Ave	33.965794	-118.353778	1/30/2013
36	SUSMP	Infiltration	Infiltration System	8831 Aviation Blvd	33.956392	-118.378289	12/13/2012
37	SUSMP	Green Infrastructure	Bioswales	8831 Aviation Blvd	33.956392	-118.378289	12/13/2012
38	SUSMP	Source Control	Inlet Filters	8831 Aviation Blvd	33.956392	-118.378289	12/13/2012
39	SUSMP	Source Control	Wastewater Interceptor w/ Sump Pump	427 S Hindry Ave	33.957681	-118.373778	6/14/2011
40	SUSMP	Source Control	Grease Interceptor	424 S Isis Ave	33.957778	-118.375536	7/21/2011
41	SUSMP	Source Control	Trash Enclosure	424 S Isis Ave	33.957778	-118.375536	7/21/2011
42	SUSMP	Green Infrastructure	Dry Well	527 Regent St	33.964778	-118.365394	8/23/2011
43	SUSMP	Source Control	Grease Interceptor	675 S La Brea Ave	33.9556	-118.352564	12/13/2011
44	SUSMP	Source Control	Trash Enclosure	675 S La Brea Ave	33.9556	-118.352564	12/13/2011
45	SUSMP	Source Control	Grease Interceptor	1100 W Florence Ave	33.960839	-118.375539	2/4/2010
46	SUSMP	Source Control	Trash Enclosure	1100 W Florence Ave	33.960839	-118.375539	2/4/2010
47	SUSMP	Infiltration	Vegetated Swale	670 W Arbor Vitae St	33.952408	-118.367669	6/29/2010
48	SUSMP	Infiltration	Infiltration System	670 W Arbor Vitae St	33.952408	-118.367669	6/29/2010
49	SUSMP	Infiltration	Infiltration System with Filters	151 N Locust St	33.963792	-118.350808	11/3/2010
50	SUSMP	Source Control	Grease Interceptor	621 W Manchester Blvd	33.961797	-118.367297	10/21/2010
51	SUSMP	Source Control	Trash Enclosure	621 W Manchester Blvd	33.961797	-118.367297	10/21/2010

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
52	SUSMP	Institutional	Storm Drain Stencils	621 W Manchester Blvd	33.961797	-118.367297	10/21/2010
53	SUSMP	Source Control	Grease Interceptor	2323 W Manchester Blvd	33.960164	-118.319478	11/23/2010
54	SUSMP	Source Control	Trash Enclosure	2323 W Manchester Blvd	33.960164	-118.319478	11/23/2010
55	SUSMP	Source Control	Drain Filters	619 S Prairie Ave	33.955778	-118.344169	2/2/2009
56	SUSMP	Source Control	Trash Enclosure	619 S Prairie Ave	33.955778	-118.344169	2/2/2009
57	SUSMP			527 W Regent St	33.964831	-118.3654	
58	SUSMP	Detention	Detention System	701 Grace Ave	33.968622	-118.345239	4/17/2009
59	SUSMP	Institutional	Storm Drain Stencils	701 Grace Ave	33.968622	-118.345239	4/17/2009
60	SUSMP	Source Control	Filter	610 N Eucalyptus Ave	33.970386	-118.358778	8/3/2009
61	SUSMP	Institutional	Storm Drain Stencils	610 N Eucalyptus Ave	33.970386	-118.358778	8/3/2009
62	SUSMP	Source Control	Trash Enclosure	610 N Eucalyptus Ave	33.970386	-118.358778	8/3/2009
63	SUSMP	Source Control	Grease Interceptor	3236 W Manchester Blvd	33.959697	-118.328539	10/2/2009
64	SUSMP	Source Control	Trash Enclosure	3236 W Manchester Blvd	33.959697	-118.328539	10/2/2009
65	SUSMP	Institutional	Storm Drain Stencils	3236 W Manchester Blvd	33.959697	-118.328539	10/2/2009
66	SUSMP	Green Infrastructure	Retention System	447 N Prairie Ave	33.970272	-118.344367	10/7/2009
67	SUSMP	Source Control	Trash Enclosure	447 N Prairie Ave	33.970272	-118.344367	10/7/2009
68	SUSMP	Institutional	Storm Drain Stencils	447 N Prairie Ave	33.970272	-118.344367	10/7/2009
69	SUSMP	Source Control	Grease Interceptor	315 S Market St	33.959892	-118.352172	12/21/2009
70	SUSMP	Institutional	Storm Drain Stencils	315 S Market St	33.959892	-118.352172	12/21/2009
71	SUSMP	Infiltration	Infiltration System	733 S Hindry Ave	33.953461	-118.374311	4/8/2010
72	SUSMP	Source Control	Filters	733 S Hindry Ave	33.953461	-118.374311	4/8/2010
73	SUSMP	Source Control	Trash Enclosure	733 S Hindry Ave	33.953461	-118.374311	4/8/2010
74	SUSMP	Institutional	Storm Drain Stencils	733 S Hindry Ave	33.953461	-118.374311	4/8/2010
75	SUSMP	Source Control	Grease Interceptor	4656 W Century Blvd	33.945667	-118.358897	12/31/2009
76	SUSMP	Institutional	Storm Drain Stencils	4656 W Century Blvd	33.945667	-118.358897	12/31/2009
77	SUSMP	Green Infrastructure	Dry Well	812 S Osage Ave	33.953444	-118.345322	8/22/2008
78	SUSMP	Source Control	Filters	812 S Osage Ave	33.953444	-118.345322	8/22/2008
79	SUSMP	Source Control	Trash Enclosure	812 S Osage Ave	33.953444	-118.345322	8/22/2008
80	SUSMP		Sump Pump	812 S Osage Ave	33.953444	-118.345322	8/22/2008
81	SUSMP	Source Control	Grease Interceptor	3949 W 111th St	33.93485	-118.343428	9/23/2008
82	SUSMP	Source Control	Inlet Filters	3949 W 111th St	33.93485	-118.343428	9/23/2008
83	SUSMP	Source Control	Trash Enclosure	3949 W 111th St	33.93485	-118.343428	9/23/2008
84	SUSMP	Source Control	Grease Interceptor	739 E Hyde Park Blvd	33.977461	-118.344758	10/9/2008
85	SUSMP	Source Control	Inlet Filters	739 E Hyde Park Blvd	33.977461	-118.344758	10/9/2008
86	SUSMP	Source Control	Trash Enclosure	739 E Hyde Park Blvd	33.977461	-118.344758	10/9/2008
87	SUSMP	Green Infrastructure	Retention System	546 W Olive St	33.960872	-118.365825	2/14/2007
88	SUSMP	Source Control	Inlet Filters	546 W Olive St	33.960872	-118.365825	2/14/2007
89	SUSMP	Source Control	Trash Enclosure	546 W Olive St	33.960872	-118.365825	2/14/2007
90	SUSMP	Green Infrastructure	Retention System	1300 Centinela Ave	33.976767	-118.361761	3/8/2007
91	SUSMP	Source Control	Inlet Filters	1300 Centinela Ave	33.976767	-118.361761	3/8/2007
92	SUSMP	Source Control	Trash Enclosure	1300 Centinela Ave	33.976767	-118.361761	3/8/2007
93	SUSMP	Green Infrastructure	Retention System	3945-3947 W Imperial Hwy	33.931147	-118.343444	3/23/2007
94	SUSMP	Source Control	Inlet Filters	3945-3947 W Imperial Hwy	33.931147	-118.343444	3/23/2007
95	SUSMP	Source Control	Trash Enclosure	3945-3947 W Imperial Hwy	33.931147	-118.343444	3/23/2007
96	SUSMP	Source control	Bioclean Hydrocarbon Filter	1114 Centinela Ave	33.9765	-118.358247	5/2/2007
97	SUSMP	Detention	Detention System w/ Sump Pump	303 W Manchester Blvd	33.961875	-118.359922	7/19/2007
98	SUSMP	Source Control	Trash Enclosure	303 W Manchester Blvd	33.961875	-118.359922	7/19/2007
99	SUSMP	Source control	Secondary Containment w/ Overhead Cover	1050 S Prairie Ave	33.949939	-118.340517	7/26/2007
100	SUSMP	Unknown		11222 S Crenshaw Blvd	33.932717	-118.326283	
101	SUSMP	Source control	Trash Enclosure	2717 W Manchester Blvd	33.960214	-118.323703	9/13/2007
102	SUSMP	Green Infrastructure	Retention System	3150-3188 W Imperial Hwy	33.93035	-118.327397	9/25/2007
103	SUSMP	Source Control	Inlet Filters	3150-3188 W Imperial Hwy	33.93035	-118.327397	9/25/2007
104	SUSMP	Source Control	Trash Enclosure	3150-3188 W Imperial Hwy	33.93035	-118.327397	9/25/2007
105	SUSMP	Infiltration	Infiltration System	109 E Arbor Vitae St	33.953036	-118.354383	12/12/2007
106	SUSMP	Source Control	Inlet Filters	109 E Arbor Vitae St	33.953036	-118.354383	12/12/2007
107	SUSMP	Source Control	Trash Enclosure	109 E Arbor Vitae St	33.953036	-118.354383	12/12/2007
108	SUSMP	Detention	Detention System	830 N Acacia St	33.973761	-118.363428	12/7/2007
109	SUSMP	Source Control	Inlet Filter	830 N Acacia St	33.973761	-118.363428	12/7/2007
110	SUSMP	Source control	Grease Interceptor	212 E Regent St	33.964392	-118.352539	1/2/2008
111	SUSMP	Source Control	Trash Enclosure	212 E Regent St	33.964392	-118.352539	1/2/2008
112	SUSMP	Detention	Detention System	606 Centinela Ave	33.973886	-118.350267	12/21/2007

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
113	SUSMP	Source Control	Trench Drain with Filter	606 Centinela Ave	33.973886	-118.350267	12/21/2007
Lomita							
1	SUSMP	Source Control	Catch basin and trench drain filter	24925 Walnut St	33.798697	-118.312091	1/3/2011
2	SUSMP	Source Control	Ultra-Draingard	1886 Lomita Blvd	33.798769	-118.311756	1/14/2008
3	SUSMP	Source Control	Catch basin and trench drain filter	25829 Narbonne Ave	33.789051	-118.320053	1/18/2006
4	SUSMP	Source Control	Kristar Swalegard	26607 S. Western Ave	33.779493	-118.309638	3/1/2010
5	SUSMP	Source Control	4 catch basin filters	2477 Lomita Blvd	33.805675	-118.327301	4/19/2011
6	SUSMP	Source Control	3 trench drain filters	25808 Narbonne Ave	33.789362	-118.319920	8/31/2009
Los Angeles (City)							
1	LID	Rain Barrel	4 Rain Barrels	5125 N North Maywood Ave	34.139953	-118.211814	9/30/2013
2	LID	Green Infrastructure	2 Planter Boxes	478 & 480 W 2nd St	33.742389	-118.287281	9/30/2013
3	LID	Permeable Pavement	Permeable Pavers	478 & 480 W 2nd St	33.742389	-118.287281	10/1/2013
4	LID	Rain Barrel	8 Rain Barrels	555 San Juan Ave	33.992931	-118.467567	9/26/2013
5	LID	Permeable Pavement	Permeable Pavers	555 San Juan Ave	33.992931	-118.467567	9/27/2013
6	LID	Green Infrastructure	3 Planter Boxes	1552 W 220th St	33.828131	-118.299531	9/25/2013
7	LID	Permeable Pavement	Permeable Pavers	1552 W 220th St	33.828131	-118.299531	9/25/2013
8	LID	Rain Barrel	8 Rain Barrels	870 E. Rose Ave	34.002417	-118.465192	9/23/2013
9	LID	Rain Barrel	6 Rain Barrels	733 1/2 E 48th St	33.999808	-118.262219	9/18/2013
10	LID	Permeable Pavement	Permeable Pavers	733 1/2 E 48th St	33.999808	-118.262219	9/18/2013
11	LID	Green Infrastructure	Dry Well	845 E Warren Ave	34.002639	-118.467353	9/17/2013
12	LID	Source Control	2 Pretreatment Settling Catch Basins	845 E Warren Ave	34.002639	-118.467353	9/17/2013
13	LID	Permeable Pavement	4 Permeable Pavers	845 E Warren Ave	34.002639	-118.467353	9/17/2013
14	LID	Green Infrastructure	3 Planter Boxes	1813 E Imperial Hwy	33.929669	-118.240378	9/17/2013
15	LID	Permeable Pavement	Permeable Paver	1813 E Imperial Hwy	33.929669	-118.240378	9/17/2013
16	LID	Rain Barrel	2 Rain Garden	1233 E Vienna Wy	34.000553	-118.454094	9/12/2013
17	LID	Permeable Pavement	2 Permeable Pavers	1233 E Vienna Wy	34.000553	-118.454094	9/12/2013
18	LID	Rain Barrel	8 Rain Barrels	881 E Warren Ave	34.003169	-118.466347	9/11/2013
19	LID	Green Infrastructure	Green Roof	881 E Warren Ave	34.003169	-118.466347	9/11/2013
20	LID	Unknown	Unknown	221 E 58th St	33.989756	-118.271028	9/10/2013
21	LID	Green Infrastructure	Planter Box	1630 N Amalfi Dr	34.060861	-118.501833	9/9/2013
22	LID	Rain Barrel	Rain Garden	1147 N Hartzell St	34.050681	-118.520947	9/4/2013
23	LID	Permeable Pavement	Permeable Paver	1147 N Hartzell St	34.050681	-118.520947	9/4/2013
24	LID	Rain Barrel	4 Rain Barrels	1041 E Nowita Pl	33.997947	-118.457425	8/29/2013
25	LID	Rain Barrel	4 Rain Barrels	3602 S Meyler St	33.714078	-118.299769	8/29/2013
26	LID	Rain Barrel	4 Rain Barrels	1242 W Maurentania St	33.789383	-118.279278	8/29/2013
27	LID	Green Infrastructure	5 Planter Boxes	1601 N San Onofre Dr	34.061919	-118.504622	8/29/2013
28	LID	Permeable Pavement	Permeable Pavers	3026 Kelton Ave	34.029114	-118.422081	8/28/2013
29	LID	Green Infrastructure	2 Planter Boxes	3026 Kelton Ave	34.029114	-118.422081	8/28/2013
30	LID	Permeable Pavement	Permeable Pavers	208 S Ruth Ave	34.000839	-118.472492	8/23/2013
31	LID	Infiltration	Infiltration Trenches	1490 W 7th St	34.053083	-118.269369	8/22/2013
32	LID	Source Control	Drain Filter	1490 W 7th St	34.053083	-118.269369	8/22/2013
33	LID	Source Control	3 Fossil Filter CB Insert	1490 W 7th St	34.053083	-118.269369	8/22/2013
34	LID	Rain Barrel	4 Rain Barrels	620 55th St	33.992439	-118.264400	8/20/2013
35	LID	Green Infrastructure	2 Dry Wells	739 E California Ave	33.994139	-118.463864	8/13/2013
36	LID	Permeable Pavement	Permeable Pavers	15460 W Albright St	34.050436	-118.527389	8/8/2013
37	LID	Green Infrastructure	Planter Box	15460 W Albright St	34.050436	-118.527389	8/8/2013
38	LID	Rain Barrel	14 Rain Barrel	211 S Pacific Ave	33.996114	-118.479061	8/5/2013
39	LID	Permeable Pavement	2 Permeable Pavers	211 S Pacific Ave	33.996114	-118.479061	8/5/2013
40	LID	Permeable Pavement	2 Permeable Pavers	1626 W 259th St	33.788161	-118.305200	8/5/2013
41	LID	Rain Barrel	2 Rain Barrels	1626 W 259th St	33.788161	-118.305200	8/5/2013
42	LID	Infiltration	Infiltration Trench	10615 Anzac Ave	33.939278	-118.237994	8/1/2013

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
43	LID	Green Infrastructure	Capture and Use	901 E E St	33.776261	-118.251764	7/30/2013
44	LID	Green Infrastructure	5 Planter Boxes	624 E Millwood Ave	33.991336	-118.463933	7/25/2013
45	LID	Permeable Pavement	Permeable Paver	624 E Millwood Ave	33.991336	-118.463933	7/25/2013
46	LID	Green Infrastructure	Vegetated Swale/Strip	19600 Magellan Dr	33.852853	-118.292347	7/24/2013
47	LID	Infiltration	Infiltration Trench	19600 Magellan Dr	33.852853	-118.292347	7/24/2013
48	LID	Green Infrastructure	3 Planter Boxes	666 Flower Ct	33.998725	-118.469344	7/11/2013
49	LID	Permeable Pavement	Permeable Paver	635 W 18th St	33.727469	-118.291000	7/11/2013
50	LID	Infiltration	Infiltration Trench	1 World Wy	33.944511	-118.398367	7/10/2013
51	LID	Rain Barrel	8 Rain Barrels	326 Brooks Ave	33.993239	-118.472331	7/10/2013
52	LID	Green Infrastructure	2 Planter Boxes	1026 W M St	33.788625	-118.275950	7/5/2013
53	LID	Rain Barrel	2 Rain Barrel	1026 W M St	33.788625	-118.275950	7/5/2013
54	LID	Green Infrastructure	Planter Box	3012 Yale Ave	33.988544	-118.448839	7/3/2013
55	LID	Green Infrastructure	8 Planter Boxes	1202 N Island Ave	33.786925	-118.266547	6/21/2013
56	LID	Permeable Pavement	2 Permeable Pavers	1202 N Island Ave	33.786925	-118.266547	6/21/2013
57	LID	Rain Barrel	Rain Garden	1334 W 221st St	33.826778	-118.300736	6/21/2013
58	LID	Unknown	Unknown	7609 S Main	33.970481	-118.274000	6/21/2013
59	LID	Green Infrastructure	2 Planter Boxes	3113 S Yale Ave	33.987653	-118.448553	6/20/2013
60	LID	Permeable Pavement	Permeable Paver	327 E 107th St	33.939433	-118.268533	6/19/2013
61	LID	Green Infrastructure	Planter Box	327 E 107th St	33.939433	-118.268533	6/19/2013
62	LID	Permeable Pavement	Permeable Paver	1664 W 223rd St	33.824411	-118.308139	6/18/2013
63	LID	Permeable Pavement	Permeable Paver	22340 S Western Ave	33.823950	-118.308800	6/18/2013
64	LID	Permeable Pavement	Porous Pavement	22340 S Western Ave	33.823950	-118.308800	6/18/2013
65	LID	Infiltration	2 Underground Detention/ Infiltration Chamber System	1501 W L ST	33.785942	-118.280578	6/17/2013
66	LID	Infiltration	Infiltration Trench	4143 Glencoe Ave	33.988636	-118.441986	6/6/2013
67	LID	Source Control	CB Trash Screens	4143 Glencoe Ave	33.988636	-118.441986	6/6/2013
68	LID	Green Infrastructure	4 Planter Boxes	1518 S Dodson Ave	33.729825	-118.311542	6/6/2013
69	LID	Infiltration	Infiltration Trench	2309 E 108th St	33.937128	-118.230761	6/6/2013
70	LID	Infiltration	Infiltration Trench	2311 E 108th St	33.937114	-118.230711	6/6/2013
71	LID	Green Infrastructure	2 Planter Boxes	1000 W. Paseo Del Mar	33.711542	-118.301500	6/5/2013
72	LID	Green Infrastructure	2 Planter Boxes	1479 Via Cresta	34.056797	-118.536878	5/29/2013
73	LID	Green Infrastructure	2 Planter Boxes	14747 W Oracle Pl	34.055664	-118.520278	5/28/2013
74	LID	Permeable Pavement	Permeable Paver	14747 W Oracle Pl	34.055664	-118.520278	5/28/2013
75	LID	Infiltration	Infiltration Trench	3306 W 71st St	33.975292	-118.329731	5/23/2013
76	LID	Green Infrastructure	Planter Box	7912 83rd St	33.960628	-118.435028	5/22/2013
77	LID	Green Infrastructure	3 Planter Boxes	615 N Bienveneda	34.047278	-118.540289	5/22/2013
78	SUSMP	Source Control	Slope Vegetation	14705 W Oracle Pl	34.055800	-118.518592	5/16/2013
79	LID	Unknown	Unknown	438 E Altair Pl	33.989686	-118.467431	5/15/2013
80	LID	Green Infrastructure	Dry Well	748 N Amalfi Dr	34.042450	-118.511114	5/13/2013
81	LID	Rain Barrel	4 Rain Barrels	1207 Averill Ave	33.733169	-118.307886	5/13/2013
82	LID	Rain Barrel	4 Rain Barrels	702 W 140th St	33.904294	-118.287372	5/7/2013
83	LID	Permeable Pavement	2 Permeable Pavers	630 W Woodlawn Ave	33.989125	-118.456850	5/6/2013
84	LID	Unknown	Unknown	560 N Western Ave	33.746753	-118.309503	5/2/2013
85	LID	Green Infrastructure	6 Planter Boxes	2337 Clement Ave	33.986389	-118.461367	5/2/2013
86	LID	Green Infrastructure	3 Planter Boxes	546 Vernon	33.996192	-118.470611	5/1/2013
87	LID	Green Infrastructure	Planter Box	10350 S Croesus Ave	33.941647	-118.233550	4/30/2013
88	LID	Rain Barrel	4 Rain Barrels	2000 N Kenilworth Ave	34.096394	-118.268417	4/30/2013
89	LID	Green Infrastructure	4 Planter Boxes	1054 Fiske St	34.048789	-118.522339	4/29/2013
90	LID	Unknown	Unknown	1242 W Maurentania St	33.789108	-118.279297	4/29/2013
91	LID	Unknown	Unknown	557 N Lucero Ave	34.046250	-118.554664	4/24/2013

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
92	LID	Unknown	Unknown	777 W 190th St	33.860208	-118.287164	4/24/2013
93	LID	Green Infrastructure	2 Planter Boxes	1680 E 108th St	33.936986	-118.230183	4/23/2013
94	LID	Permeable Pavement	Permeable Pavers	1680 E 108th St	33.936986	-118.230183	4/23/2013
95	LID	Infiltration	2 Infiltration Trenches	16300 Ainsworth St	33.883158	-118.289922	4/17/2013
96	LID	Source Control	4 Fossil Filter CB Inserts	16300 Ainsworth St	33.883158	-118.289922	4/17/2013
97	LID	Permeable Pavement	4 Planter Boxes	760 N Hartzell St	34.042917	-118.518875	4/15/2013
98	LID	Permeable Pavement	Permeable Pavers	1627 S Crescent Pl	33.990769	-118.462133	4/12/2013
99	LID	Rain Barrel	4 Rain Barrels	1627 S Crescent Pl	33.990769	-118.462133	4/12/2013
100	LID	Rain Barrel	4 Rain Barrels	550 W 40th St	33.708050	-118.289169	4/9/2013
101	LID	Green Infrastructure	2 Planter Boxes	1518 S Oakwood Ave	33.994000	-118.461308	4/9/2013
102	LID	Rain Barrel	6 Rain Barrels	1518 S Oakwood Ave	33.994000	-118.461308	4/9/2013
103	LID	Permeable Pavement	3 Permeable Pavers	1518 S Oakwood Ave	33.994000	-118.461308	4/9/2013
104	LID	Permeable Pavement	Permeable Paver	1434 W 215 St	33.833200	-118.302853	4/9/2013
105	LID	Green Infrastructure	6 Planter Boxes	249 N Bellino Dr	34.042103	-118.560300	4/3/2013
106	LID	Green Infrastructure	2 Planter Boxes	1660 W Anaheim St	33.777958	-118.288886	4/2/2013
107	LID	Rain Barrel	4 Rain Barrels	705 W Boccaccio Ave	33.990358	-118.457119	3/28/2013
108	SUSMP	Infiltration	7 Infiltration Trenches	1302 W 177th St	33.870408	-118.296017	3/27/2013
109	SUSMP	Green Infrastructure	Planter Box	1302 W 177th St	33.870408	-118.296017	3/27/2013
110	SUSMP	Source Control	7 Fossil Filter CB Inserts	1302 W 177th St	33.870408	-118.296017	3/27/2013
111	LID	Green Infrastructure	2 Planter Boxes	11241 W Lucerene	33.999533	-118.403528	3/19/2013
112	LID	Green Infrastructure	2 Planter Boxes	3300 S Kerckoff Ave	33.714017	-118.289533	3/11/2013
113	LID	Permeable Pavement	Permeable Paver	3300 S Kerckoff Ave	33.714017	-118.289533	3/11/2013
114	LID	Unknown	Unknown	445 S Ferr St	33.746042	-118.261556	3/11/2013
115	LID	Permeable Pavement	Permeable Paver	1011 W Francisco St	33.850111	-118.294558	3/4/2013
116	LID	Rain Barrel	Rain Garden	846 E 87th St	33.958950	-118.259139	2/27/2013
117	LID	Permeable Pavement	2 Permeable Pavers	211 W 109th Pl	33.936636	-118.276636	2/27/2013
118	LID	Green Infrastructure	Planter Box	211 W 109th Pl	33.936636	-118.276636	2/27/2013
119	LID	Permeable Pavement	2 Permeable Pavers	635 E Milwood Ave	33.991722	-118.464064	2/26/2013
120	LID	Green Infrastructure	2 Planter Boxes	635 E Milwood Ave	33.991722	-118.464064	2/26/2013
121	LID	Green Infrastructure	2 Planter Boxes	9410 S Compton Ave	33.951208	-118.246044	2/15/2013
122	LID	Infiltration	Infiltration Trench	16957 W Sunset Blvd	34.042244	-118.548072	2/14/2013
123	LID	Source Control	2 Pretreatment Settling Catch Basin	16957 W Sunset Blvd	34.042244	-118.548072	2/14/2013
124	LID	Green Infrastructure	2 Planter Boxes	3670 N Holboro Dr	34.117911	-118.275497	2/7/2013
125	LID	Permeable Pavement	Permeable Paver	3670 N Holboro Dr	34.117911	-118.275497	2/7/2013
126	LID	Rain Barrel	14 Rain Barrel	1628 W 255th St	33.792350	-118.305469	2/6/2013
127	LID	Permeable Pavement	Permeable Paver	1628 W 255th St	33.792350	-118.305469	2/6/2013
128	LID	Rain Barrel	8 Rain Barrel	1157 Rosalind Ave	34.025789	-118.212833	2/6/2013
129	LID	Green Infrastructure	3 Planter Boxes	3130 N Verdugo Rd	34.107411	-118.237681	2/6/2013
130	LID	Green Infrastructure	3 Planter Boxes	532 W Imperial Hwy	33.930542	-118.283956	2/5/2013
131	LID	Rain Barrel	4 Rain Barrels	476 W Santa Cruz St	33.744231	-118.287300	2/4/2013
132	LID	Rain Barrel	2 Rain Garden	5744 N Allott Ave	34.175117	-118.427653	2/1/2013
133	LID	Permeable Pavement	Permeable Paver	5937 S Madden Ave	33.986036	-118.325583	1/31/2013
134	LID	Rain Barrel	8 Rain Barrel	5937 S Madden Ave	33.986036	-118.325583	1/31/2013
135	LID	Permeable Pavement	Permeable Paver	314 E 76th St	33.971017	-118.268933	1/24/2013
136	LID	Green Infrastructure	Planter Box	314 E 76th St	33.971017	-118.268933	1/24/2013
137	LID	Unknown	Unknown	452 W Carroll Cl	33.986092	-118.464597	1/23/2013
138	LID	Green Infrastructure	2 Planter Boxes	935 W 60th St	33.985603	-118.290500	1/9/2013
139	LID	Unknown	Unknown	25706 S Belle Porte Ave	33.790772	-118.300847	1/9/2013
140	LID	Rain Barrel	4 Rain Barrels	14707 W Sunset Blvd	34.041472	-118.518275	1/2/2013
141	LID	Rain Barrel	4 Rain Barrels	861 W 124th St	33.920253	-118.291664	12/27/2012
142	LID	Rain Barrel	Rain Garden	861 W 124th St	33.920253	-118.291664	12/27/2012

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
143	LID	Green Infrastructure	3 Planter Boxes	1178 W 20th St	33.725972	-118.303039	12/26/2012
144	LID	Green Infrastructure	2 Planter Boxes	1127 W 15th St	33.730319	-118.301825	12/14/2012
145	LID	Green Infrastructure	Planter Box	398 Alma Real Dr	34.035514	-118.522500	12/13/2012
146	LID	Green Infrastructure	Cistern	520 N Swarthmore Ave	34.038764	-118.528050	12/7/2012
147	SUSMP	Source Control	4 Katchall Kleerstream Vaults	960 W Harry Bridges Blvd	33.770489	-118.272983	11/28/2012
148	SUSMP	Source Control	11 Sand Filter	960 W Harry Bridges Blvd	33.770489	-118.272983	11/28/2012
149	SUSMP	Unknown	Unknown	637 N Sanford Ave	33.777589	-118.250525	11/1/2012
150	LID	Infiltration	Underground Detention/ Infiltration Chamber System	625 E Anaheim St	33.781175	-118.255381	10/23/2012
151	LID	Infiltration	Underground Detention/ Infiltration Chamber System	1305 W Sepulveda Blvd	33.813303	-118.298450	10/9/2012
152	LID	Source Control	CDS	1305 W Sepulveda Blvd	33.813303	-118.298450	10/9/2012
153	LID	Infiltration	Infiltration Trench	710 N Front St	33.751097	-118.282389	10/9/2012
154	SUSMP	Source Control	10 Abtech Ultra Urban CB Inserts	710 N Front St	33.751097	-118.282389	10/9/2012
155	LID	Unknown	Unknown	1327 W Silvius Ave	33.715419	-118.307136	10/3/2012
156	LID	Unknown	Unknown	909 E Colon St	33.792458	-118.252150	9/5/2012
157	LID	Permeable Pavement	3 Permeable Pavers	10314 S Lou-Dillon Ave	33.942553	-118.234558	8/31/2012
158	SUSMP	Source Control	5 Hydrodynamic Separators	600 S Sampson Wy	33.738708	-118.279025	8/31/2012
159	SUSMP	Source Control	2 CB Inserts	600 S Sampson Wy	33.738708	-118.279025	8/31/2012
160	SUSMP	Infiltration	2 Infiltration Trenches	600 S Sampson Wy	33.738708	-118.279025	8/31/2012
161	LID	Green Infrastructure	Planter Box	8741 Dalton Ave	33.957644	-118.303850	8/24/2012
162	LID	Rain Barrel	Rain Garden	1515 219th St	33.828997	-118.304489	8/13/2012
163	LID	Permeable Pavement	Permeable Paver	1515 219th St	33.828997	-118.304489	8/13/2012
164	LID	Green Infrastructure	2 Planter Boxes	1942 W 1st St	33.742994	-118.318428	8/9/2012
165	SUSMP	Green Infrastructure	Planter Box	630 W Harry Bridges Blvd	33.770700	-118.268633	7/12/2012
166	SUSMP	Source Control	Bioretention Facility	630 W Harry Bridges Blvd	33.770700	-118.268633	7/12/2012
167	SUSMP	Source Control	Abtech Ultra Urban CB Inserts	630 W Harry Bridges Blvd	33.770700	-118.268633	7/12/2012
168	SUSMP	Source Control	Slope Vegetation	3127 S Alma St	33.717275	-118.299717	5/31/2012
169	Site Specific	Unknown	Unknown	470 E Swinford St	33.749642	-118.278483	5/21/2012
170	SUSMP	Green Infrastructure	6 Planter Boxes	19310 S Pacific Gateway Dr	33.855575	-118.293978	5/10/2012
171	SUSMP	Permeable Pavement	2 Porous Pavements	19310 S Pacific Gateway Dr	33.855575	-118.293978	5/10/2012
172	SUSMP	Source Control	5 Fossil Filter CB Inserts	19310 S Pacific Gateway Dr	33.855575	-118.293978	5/10/2012
173	SUSMP	Infiltration	Infiltration Trench	1351 W Sepulveda Blvd	33.815675	-118.301436	3/28/2012
174	SUSMP	Source Control	Fossil Filter CB Insert	1351 W Sepulveda Blvd	33.815675	-118.301436	3/28/2012
175	SUSMP	Unknown	Unknown	7916 W 83rd St	33.960358	-118.435194	2/28/2012
176	SUSMP	Unknown	Unknown	1600 W Palos Verdes Dr	33.777931	-118.304961	2/23/2012
177	SUSMP	Unknown	Unknown	1112 N Via La Paz	33.755661	-118.299256	2/15/2012
178	Site Specific	Unknown	Unknown	120 W C St	33.772594	-118.262592	1/23/2012
179	SUSMP	Green Infrastructure	2 Planter Boxes	124 N Udine Wy	34.078103	-118.443711	1/12/2012
180	Site Specific	Unknown	Unknown	1451 W Knox St	33.854139	-118.301111	1/9/2012
181	SUSMP	Green Infrastructure	Green Roof	1406 Kenter Ave	34.080819	-118.492356	12/15/2011
182	SUSMP	Green Infrastructure	2 Planter Boxes	1406 Kenter Ave	34.080819	-118.492356	12/15/2011
183	SUSMP	Source Control	Vortechnics	710 N Front St	33.751069	-118.282369	11/30/2011
184	SUSMP	Source Control	2 Katchall Kleerstream Trench Filter	710 N Front St	33.751069	-118.282369	11/30/2011
185	SUSMP	Unknown	Unknown	401 E M St	33.789039	-118.258631	11/17/2011
186	SUSMP	Infiltration	Infiltration Basin	1305 N Gaffey St	33.755733	-118.292314	11/8/2011
187	SUSMP	Unknown	Unknown	1211 N Avalon Bl	33.786997	-118.262992	10/26/2011
188	SUSMP	Unknown	Unknown	1811 N Micheltorena	34.093317	-118.272269	9/8/2011
189	SUSMP	Unknown	Unknown	14931 Bestor Blvd	34.051692	-118.522956	9/7/2011
190	SUSMP	Source Control	3 Katchall Kleerstream Vaults	705 N. Henry Ford Ave	33.778567	-118.243422	9/1/2011
191	SUSMP	Green Infrastructure	3 Planter Boxes	300 E Water St	33.766542	-118.259847	9/1/2011
192	SUSMP	Source Control	2 CDS	530 W Harry Bridges Blvd	33.770797	-118.267389	8/19/2011
193	SUSMP	Source Control	32 Fossil Filter CB Inserts	530 W Harry Bridges Blvd	33.770797	-118.267389	8/19/2011
194	SUSMP	Unknown	Unknown	100 S Barrington Pl	34.065697	-118.468961	8/18/2011

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
195	SUSMP	Green Infrastructure	Planter Box	200 W. Manchester Ave	33.959553	-118.276258	8/4/2011
196	SUSMP	Source Control	Fossil Filter CB Insert	200 W. Manchester Ave	33.959553	-118.276258	8/4/2011
197	SUSMP	Green Infrastructure	3 Vegetated Swale/Strips	20000 S. Western Ave	33.851003	-118.308806	8/4/2011
198	SUSMP	Source Control	Sand Filter	20000 S. Western Ave	33.851003	-118.308806	8/4/2011
199	SUSMP	Green Infrastructure	Bioretention Facility	1603 W 25th St	33.723003	-118.313536	7/25/2011
200	SUSMP	Unknown	Unknown	2100 E Pacific Cost Hwy	33.789075	-118.235250	7/21/2011
201	SUSMP	Unknown	Unknown	100 N Avalon	33.769781	-118.261306	7/5/2011
202	SUSMP	Green Infrastructure	2 Vegetated Swale/Strips	705 N Henry Ford Ave	33.778550	-118.243342	6/16/2011
203	SUSMP	Unknown	Unknown	3100 N Gaffey St	33.776328	-118.296131	5/24/2011
204	SUSMP	Unknown	Unknown	3000 N Gaffey St	33.775378	-118.296042	5/24/2011
205	SUSMP	Unknown	Unknown	1601 N Wilmington Blvd	33.795136	-118.275442	5/9/2011
206	SUSMP	Green Infrastructure	2 Planter Boxes	1651 N Belair Rd	34.100703	-118.446883	4/25/2011
207	SUSMP	Green Infrastructure	Vegetated Swale/Strip	1651 N Belair Rd	34.100703	-118.446883	4/25/2011
208	SUSMP	Unknown	Unknown	1120 N. Wilmington Blvd	33.784908	-118.274475	4/19/2011
209	Site Specific	Unknown	Unknown	621 W 152nd St	33.894664	-118.286994	4/14/2011
210	SUSMP	Unknown	Unknown	6000 W Santa Monica	34.088089	-118.316706	4/7/2011
211	SUSMP	Green Infrastructure	2 Vegetated Swale/Strips	840 W 149th St	33.896292	-118.289917	3/22/2011
212	SUSMP	Infiltration	Infiltration Trench	840 W 149th St	33.896292	-118.289917	3/22/2011
213	SUSMP	Permeable Pavement	Porous Pavement	840 W 149th St	33.896292	-118.289917	3/22/2011
214	SUSMP	Green Infrastructure	Planter Box	964 Hilgard Ave	34.061947	-118.441242	2/16/2011
215	SUSMP	Unknown	Unknown	1602 W 25th St	33.723406	-118.312531	2/3/2011
216	SUSMP	Unknown	Unknown	6517 S Vista Del Mar	33.961533	-118.449919	1/4/2011
217	SUSMP	Source Control	Slope Vegetation	8451 W Hillside Ave	34.100519	-118.372603	12/30/2010
218	SUSMP	Unknown	Unknown	557 N Lucero Ave	34.046172	-118.554708	12/28/2010
219	SUSMP	Unknown	Unknown	701 N San Lorenzo St	34.037833	-118.509992	12/20/2010
220	SUSMP	Infiltration	3 Underground Detention/ Infiltration Chamber System	1521 W Francisco St	33.849281	-118.305842	12/10/2010
221	SUSMP	Source Control	13 Fossil Filter CB Insert	1521 W Francisco St	33.849281	-118.305842	12/10/2010
222	SUSMP	Green Infrastructure	3 Vegetated Swale/Strips	18320 S Western Ave	33.863614	-118.308608	11/12/2010
223	SUSMP	Green Infrastructure	29 Planter Box	25825 S Vermont Ave	33.788417	-118.295683	11/4/2010
224	SUSMP	Source Control	7 Fossil Filter CB Insert	25825 S Vermont Ave	33.788417	-118.295683	11/4/2010
225	SUSMP	Unknown	Unknown	556 W 9th St	33.736161	-118.288914	11/2/2010
226	SUSMP	Unknown	Unknown	2500 S Signal St	33.721503	-118.272839	9/13/2010
227	SUSMP	Unknown	Unknown	631 N Haverford Ave	34.041733	-118.529772	8/20/2010
228	SUSMP	Green Infrastructure	4 Planter Boxes	15323 Whitfield Ave	34.051967	-118.526425	8/20/2010
229	SUSMP	Source Control	2 Fossil Filter CB Insert	15323 Whitfield Ave	34.051967	-118.526425	8/20/2010
230	SUSMP	Green Infrastructure	Planter Box	25621 Normandie Ave	33.784439	-118.298042	8/5/2010
231	SUSMP	Unknown	Unknown	2209 E I St	33.783036	-118.234250	7/28/2010
232	SUSMP	Unknown	Unknown	2100 E Pacific Coast Hwy	33.791514	-118.232881	5/17/2010
233	SUSMP	Infiltration	Underground Detention/ Infiltration Chamber System	201 N Palos Verdes St	33.741903	-118.281531	5/7/2010
234	SUSMP	Green Infrastructure	Dry Well	201 N Palos Verdes St	33.741903	-118.281531	5/7/2010
235	SUSMP	Green Infrastructure	2 Planter Boxes	10704 Wilmington	33.938642	-118.239014	4/28/2010
236	SUSMP/OWTS	Unknown	Unknown	1500 W Francisco St	33.848450	-118.304022	4/22/2010
237	SUSMP	Unknown	Unknown	545 S Fries Ave	33.765022	-118.264103	4/1/2010
238	SUSMP	Green Infrastructure	Planter Box	1600 Palos Verdes Dr	33.777872	-118.304936	3/23/2010
239	SUSMP	Source Control	6 Fossil Filter CB Insert	1327 W 228th St	33.819139	-118.300458	3/18/2010
240	Site Specific	Unknown	Unknown	1660 W. Anaheim St	33.777889	-118.288883	1/14/2010
241	SUSMP	Unknown	Unknown	6209 Ocean Front Walk	33.961839	-118.453528	1/12/2010
242	SUSMP	Infiltration	Underground Detention/ Infiltration Chamber System	410 N Hawaiian	33.773700	-118.275661	12/18/2009
243	SUSMP	Source Control	2 Contech CB Inserts	410 N Hawaiian	33.773700	-118.275661	12/18/2009
244	SUSMP	Source Control	Fossil Filter CB Insert	1425 West Carson St	33.830950	-118.356942	11/20/2009
245	SUSMP	Source Control	3 Fossil Filter CB Insert	14221 S Figueroa St	33.902075	-118.283208	11/19/2009
246	SUSMP	Green Infrastructure	Bioretention Facility	14221 S Figueroa St	33.902075	-118.283208	11/19/2009
247	SUSMP	Source Control	Fossil Filter CB Insert	428 E G St	33.778642	-118.257533	11/12/2009
248	SUSMP	Green Infrastructure	21 Bioretention Facilities	25821 S Vermont Ave	33.789178	-118.293914	11/3/2009

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
249	SUSMP	Green Infrastructure	6 Planter Boxes	25821 S Vermont Ave	33.789178	-118.293914	11/3/2009
250	Site Specific	Unknown	Unknown	799 S Seaside Ave	33.728772	-118.268719	11/3/2009
251	SUSMP	Unknown	Unknown	3525 S Kerckoff Ave	33.711967	-118.289842	10/20/2009
252	SUSMP	Unknown	Unknown	1138 N Las Pulgas	34.053475	-118.539883	9/22/2009
253	SUSMP	Source Control	Slope Vegetation	1426 W 37th St	33.715589	-118.309219	7/7/2009
254	SUSMP	Infiltration	2 Infiltration Trenches	710 N Front St	33.749144	-118.280722	5/28/2009
255	SUSMP	Source Control	Vortechnics	710 N Front St	33.749144	-118.280722	5/28/2009
256	SUSMP	Source Control	6 Abtech Ultra Urban CB Inserts	710 N Front St	33.749144	-118.280722	5/28/2009
257	SUSMP	Unknown	Unknown	3411 S Carolina St	33.713014	-118.290728	5/28/2009
258	SUSMP	Source Control	Sedimentation Basin	401 N Henry Ford Ave	33.773403	-118.241156	5/15/2009
259	SUSMP	Source Control	Vortechnics	920 W Harry Bridges Blvd	33.769942	-118.278692	5/7/2009
260	SUSMP	Source Control	10 Abtech Ultra Urban CB Inserts	920 W Harry Bridges Blvd	33.769942	-118.278692	5/7/2009
261	SUSMP	Infiltration	Infiltration Trench	920 W Harry Bridges Blvd	33.769942	-118.278692	5/7/2009
262	Site Specific	Unknown	Unknown	1660 W Anaheim St	33.776636	-118.288764	4/24/2009
263	SUSMP	Green Infrastructure	2 Bioretention Facilities	1000 W Pacific Coast Hwy	33.790256	-118.275197	2/25/2009
264	SUSMP	Green Infrastructure	2 Vegetated Swale/Strips	1000 W Pacific Coast Hwy	33.790256	-118.275197	2/25/2009
265	SUSMP	Permeable Pavement	Porous Pavement	1000 W Pacific Coast Hwy	33.790256	-118.275197	2/25/2009
266	SUSMP	Infiltration	15 Infiltration Trenches	2235 Miner St	33.725356	-118.278206	2/25/2009
267	SUSMP	Source Control	3 CDS	2235 Miner St	33.725356	-118.278206	2/25/2009
268	SUSMP	Source Control	4 Stormfilter	2235 Miner St	33.725356	-118.278206	2/25/2009
269	SUSMP	Unknown	Unknown	1019 W M St	33.788606	-118.275756	2/17/2009
270	SUSMP	Unknown	Unknown	1412 N Wilmington Blvd	33.791031	-118.274744	2/13/2009
271	SUSMP	Green Infrastructure	17 StormTech Chamber Systems	25020 Doble Ave	33.796975	-118.291511	2/13/2009
272	SUSMP	Unknown	Unknown	3525 Mulldae Ave	33.720811	-118.321417	2/6/2009
273	SUSMP	Green Infrastructure	Planter Box	5610 York Blvd	34.119306	-118.196408	2/3/2009
274	SUSMP	Green Infrastructure	6 Vegetated Swale/Strips	5610 York Blvd	34.119306	-118.196408	2/3/2009
275	SUSMP	Unknown	Unknown	1215 W Grant St	33.783175	-118.278606	2/2/2009
276	SUSMP	Green Infrastructure	13 StormTech Chamber Systems	1608 W Pacific Coast Hwy	33.789342	-118.304608	1/30/2009
277	SUSMP	Source Control	Drain Pac CB Insert	1608 W Pacific Coast Hwy	33.789342	-118.304608	1/30/2009
278	SUSMP	Source Control	Fossil Filter CB Insert	1608 W Pacific Coast Hwy	33.789342	-118.304608	1/30/2009
279	SUSMP	Unknown	Unknown	500 S Pacific Ave	33.739361	-118.287794	1/13/2009
280	SUSMP	Source Control	Fossil Filter CB Insert	1420 N Coil Ave	33.793053	-118.242803	1/13/2009
281	SUSMP	Infiltration	Infiltration Trench	1420 N Coil Ave	33.793053	-118.242803	1/13/2009
282	SUSMP	Green Infrastructure	StormTech Chamber System	13414 S Figueroa St	33.909933	-118.282633	1/7/2009
283	SUSMP	Source Control	Fossil Filter CB Insert	13414 S Figueroa St	33.909933	-118.282633	1/7/2009
284	SUSMP	Green Infrastructure	Planter Box	1663 E Anaheim St	33.781094	-118.241219	12/2/2008
285	SUSMP	Green Infrastructure	Planter Box	403 E Harry Bridges Blvd	33.771394	-118.257922	11/18/2008
286	SUSMP	Unknown	Unknown	751 Eldridge St	33.747031	-118.261061	11/3/2008
287	SUSMP	Green Infrastructure	2 Planter Boxes	730 N Watson Ave	33.780006	-118.246650	10/30/2008
288	SUSMP	Green Infrastructure	Vegetated Swale/Strip	323 Lecouvreur Ave	33.773375	-118.255536	10/14/2008
289	SUSMP	Green Infrastructure	2 Planter Boxes	1625 S Granville Ave	34.040750	-118.456692	10/6/2008
290	SUSMP	Source Control	Fossil Filter CB Insert	1625 S Granville Ave	34.040750	-118.456692	10/6/2008
291	SUSMP	Unknown	Unknown	18054 W Sandy Cape Dr	34.047611	-118.569014	9/25/2008
292	SUSMP	Unknown	Unknown	1140 N Monument St	34.049847	-118.524606	9/15/2008
293	SUSMP	Green Infrastructure	Vegetated Swale/Strip	421 N Henry Ford Ave	33.773861	-118.241200	8/29/2008
294	SUSMP	Permeable Pavement	Porous Pavement	421 N Henry Ford Ave	33.773861	-118.241200	8/29/2008
295	SUSMP	Green Infrastructure	2 Planter Boxes	12015 S Figueroa St	33.922947	-118.282881	8/28/2008
296	SUSMP	Source Control	3 Fossil Filter CB Inserts	12015 S Figueroa St	33.922947	-118.282881	8/28/2008
297	SUSMP	Source Control	Drain Pac CB Inserts	12015 S Figueroa St	33.922947	-118.282881	8/28/2008
298	SUSMP	Unknown	Unknown	601 N Henry Ford Ave	33.768433	-118.240439	8/27/2008
299	SUSMP	Green Infrastructure	Slope Vegetation	601 N Henry Ford Ave	33.768433	-118.240439	8/19/2008
300	SUSMP	Unknown	Unknown	6834 W Quinton Ln	34.248094	-118.280686	8/18/2008
251	SUSMP	Unknown	Unknown	3525 S Kerckoff Ave	33.711967	-118.289842	10/20/2009
252	SUSMP	Unknown	Unknown	1138 N Las Pulgas	34.053475	-118.539883	9/22/2009
253	SUSMP	Source Control	Slope Vegetation	1426 W 37th St	33.715589	-118.309219	7/7/2009
254	SUSMP	Infiltration	2 Infiltration Trenches	710 N Front St	33.749144	-118.280722	5/28/2009
255	SUSMP	Source Control	Vortechnics	710 N Front St	33.749144	-118.280722	5/28/2009

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
256	SUSMP	Source Control	6 Abtech Ultra Urban CB Inserts	710 N Front St	33.749144	-118.280722	5/28/2009
257	SUSMP	Unknown	Unknown	3411 S Carolina St	33.713014	-118.290728	5/28/2009
258	SUSMP	Source Control	Sedimentation Basin	401 N Henry Ford Ave	33.773403	-118.241156	5/15/2009
259	SUSMP	Source Control	Vortechnics	920 W Harry Bridges Blvd	33.769942	-118.278692	5/7/2009
300	SUSMP	Unknown	Unknown	6834 W Quinton Lane	34.248094	-118.280686	8/18/2008
301	SUSMP	Green Infrastructure	3 Vegetated Swale/Strip	522 N Flint Ave	33.777003	-118.249086	8/8/2008
302	SUSMP	Green Infrastructure	3 Vegetated Swale/Strip	18320 S Western Ave	33.863817	-118.308556	7/25/2008
303	SUSMP	Unknown	Unknown	602 N Flint Ave	33.777589	-118.249164	6/17/2008
304	SUSMP	Source Control	2 Fossil Filter CB Insert	618 N Pioneer Ave	33.779106	-118.248003	6/17/2008
305	SUSMP	Green Infrastructure	2 Vegetated Swale/Strip	618 N Pioneer Ave	33.779106	-118.248003	6/17/2008
306	SUSMP	Unknown	Unknown	1553 W 205th St	33.844850	-118.306011	6/12/2008
307	SUSMP	Green Infrastructure	Vegetated Swale/Strip	1355 N Broad Ave	33.779906	-118.261075	6/3/2008
308	SUSMP	Permeable Pavement	Porous Pavement	1355 N Broad Ave	33.779906	-118.261075	6/3/2008
309	SUSMP	Unknown	Unknown	1662 W Pacific Coast Hwy	33.790842	-118.286894	5/27/2008
310	SUSMP	Green Infrastructure	Vegetated Swale/Strip	238 N Trotwood Ave	33.745294	-118.317017	4/24/2008
311	SUSMP	Unknown	Unknown	3427 S Mentone Ave	34.026344	-118.410364	4/18/2008
312	SUSMP	Green Infrastructure	Planter Box	15007 W Bestor Blvd	34.051578	-118.523483	4/7/2008
313	SUSMP	Source Control	CDS	240 W Venice Blvd	34.034961	-118.266081	4/7/2008
314	SUSMP	Unknown	Unknown	210 E 22nd St	33.725678	-118.279961	3/17/2008
315	SUSMP	Unknown	Unknown	550 S Sampson Way	33.740350	-118.278919	3/17/2008
316	SUSMP	Unknown	Unknown	1320 W Mauretania St	33.790131	-118.280425	2/5/2008
317	SUSMP	Unknown	Unknown	255 W 8th St	33.736822	-118.282614	2/1/2008
318	SUSMP	Source Control	2 Fossil Filter CB Insert	536 N Banning Blvd	33.776794	-118.256636	1/30/2008
319	SUSMP	Infiltration	4 Infiltration Trenches	536 N Banning Blvd	33.776794	-118.256636	1/30/2008
320	Site Specific	Unknown	Unknown	1660 W Anaheim St	33.776689	-118.288717	1/9/2008
321	SUSMP	Unknown	Unknown	1031 W Papeete St	33.787017	-118.276022	12/20/2007
322	SUSMP	Source Control	8 Fossil Filter CB Insert	2401 E Sepulveda Blvd	33.805192	-118.223025	12/20/2007
323	SUSMP	Infiltration	Infiltration Trench	2401 E Sepulveda Blvd	33.805192	-118.223025	12/20/2007
324	SUSMP	Source Control	7 Fossil Filter CB Insert	1715 E Denni St	33.785856	-118.240750	12/5/2007
325	SUSMP	Green Infrastructure	Vegetated Swale/Strip	1715 E Denni St	33.785856	-118.240750	12/5/2007
326	SUSMP	Green Infrastructure	Off-line Storage	1715 E Denni St	33.785856	-118.240750	12/5/2007
327	SUSMP	Green Infrastructure	2 Planter Boxes	624 N Neptune Ave	33.777492	-118.268747	11/21/2007
328	SUSMP	Permeable Pavement	Porous Pavement	624 N Neptune Ave	33.777492	-118.268747	11/21/2007
329	SUSMP	Unknown	Unknown	401 W Anaheim St	33.779894	-118.267011	11/6/2007
330	SUSMP	Source Control	3 Stormfilters	25965 S Normandie Ave	33.787581	-118.297542	11/1/2007
331	SUSMP	Source Control	2 Drain Pac CB Inserts	25965 S Normandie Ave	33.787581	-118.297542	11/1/2007
332	Site Specific	Source Control	2 Fossil Filter CB Insert	545 S Fries Ave	33.765000	-118.264136	10/29/2007
333	SUSMP	Unknown	Unknown	1824 W 1st St	33.742983	-118.316150	10/26/2007
334	SUSMP	Green Infrastructure	Filterra Filter	120 W C St	33.772522	-118.262614	9/6/2007
335	SUSMP	Green Infrastructure	2 Planter Boxes	12016 S Figueroa St	33.923019	-118.282494	8/24/2007
336	SUSMP	Source Control	Fossil Filter CB Insert	12016 S Figueroa St	33.923019	-118.282494	8/24/2007
337	SUSMP	Green Infrastructure	19 Filterra Filters	1605 N Gaffey St	33.752058	-118.292308	8/23/2007
338	SUSMP	Green Infrastructure	Downspout Filter	25825 S Vermont Ave	33.788375	-118.295594	8/23/2007
339	SUSMP	Unknown	Unknown	445 S Ferry St	33.746100	-118.261519	8/22/2007
340	SUSMP	Source Control	Slope Vegetation	1093 W 27th St	33.719622	-118.301089	8/14/2007
341	SUSMP	Source Control	Slope Vegetation	1085 W 27th St	33.719556	-118.300967	8/14/2007
342	SUSMP	Source Control	Slope Vegetation	1079 W 27th St	33.719514	-118.300825	8/14/2007
343	SUSMP	Source Control	Slope Vegetation	1073 W 27th St	33.719514	-118.300697	8/14/2007
344	SUSMP	Source Control	6 Fossil Filter CB Insert	310 Centre St	33.745150	-118.283283	8/13/2007
345	SUSMP	Permeable Pavement	6 Porous Pavement	310 Centre St	33.745150	-118.283283	8/13/2007
346	SUSMP	Green Infrastructure	10 Planter Boxes	310 Centre St	33.745150	-118.283283	8/13/2007
347	SUSMP	Source Control	7 Downspout Filters	310 Centre St	33.745150	-118.283283	8/13/2007
348	SUSMP	Green Infrastructure	3 Filterra Filters	18455 S Figueroa St	33.863333	-118.282903	8/9/2007
349	SUSMP	Source Control	Fossil Filter CB Insert	18455 S Figueroa St	33.863333	-118.282903	8/9/2007
350	SUSMP	Source Control	4 Fossil Filter CB Insert	1400 W 228th St	34.029425	-118.291481	7/30/2007
351	SUSMP	Infiltration	4 Infiltration Trenches	1400 W 228th St	34.029425	-118.291481	7/30/2007
352	SUSMP	Source Control	5 Downspout Filter	1444 W Q St	33.793844	-118.281356	7/26/2007

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
353	SUSMP	Source Control	Fossil Filter CB Insert	1444 W Q St	33.793844	-118.281356	7/26/2007
354	SUSMP	Infiltration	Infiltration Trench	1444 W Q St	33.793844	-118.281356	7/26/2007
355	SUSMP	Unknown	Unknown	1026 W Pacific Coast Hwy	33.790114	-118.275939	7/24/2007
356	SUSMP	Unknown	Unknown	125 N Ave 60	34.111908	-118.189794	7/6/2007
357	SUSMP	Unknown	Unknown	2815 S Vermont Ave	34.028861	-118.291881	6/14/2007
358	SUSMP	Permeable Pavement	Porous Pavement	1640 W Paseo Del Mar	33.716031	-118.316594	6/4/2007
359	SUSMP	Source Control	4 Fossil Filter CB Inserts	1005 N Gaffey St	33.752111	-118.292278	5/18/2007
360	SUSMP	Unknown	Unknown	1026 N Cristobal Ave	33.784308	-118.242806	5/17/2007
361	SUSMP	Unknown	Unknown	417 N Meyler St	33.746486	-118.296783	5/9/2007
362	SUSMP	Green Infrastructure	2 Planter Boxes	815 S Grand Ave	33.736447	-118.290419	4/11/2007
363	SUSMP	Source Control	2 Fossil Filter CB Inserts	815 S Grand Ave	33.736447	-118.290419	4/11/2007
364	SUSMP	Source Control	2 Downspout Filters	420 9th St	34.044003	-118.258883	4/11/2007
365	SUSMP	Green Infrastructure	Planter Box	420 9th St	34.044003	-118.258883	4/11/2007
366	SUSMP	Source Control	2 Fossil Filter CB Inserts	1331 Torrance Blvd	33.842936	-118.300508	3/30/2007
367	SUSMP	Infiltration	Infiltration Trench	1331 Torrance Blvd	33.842936	-118.300508	3/30/2007
368	SUSMP	Green Infrastructure	2 Planter Boxes	366 W 8th St	33.736728	-118.284964	3/28/2007
369	SUSMP	Source Control	2 Fossil Filter CB Inserts	1417 Anaheim St	33.784261	-118.301928	3/17/2007
370	SUSMP	Green Infrastructure	Planter Box	1417 Anaheim St	33.784261	-118.301928	3/17/2007
371	SUSMP	Green Infrastructure	4 Downspout Filters	422 S Gaffy St	33.739911	-118.292147	2/21/2007
372	SUSMP	Source Control	Fossil Filter CB Insert	422 S Gaffy St	33.739911	-118.292147	2/21/2007
373	SUSMP	Infiltration	Infiltration Trench	422 S Gaffy St	33.739911	-118.292147	2/21/2007
374	SUSMP	Source Control	2 CDS	111 Pier S Ave	33.758961	-118.241681	12/20/2006
375	SUSMP	Source Control	254 Drain Pac CB Inserts	20843 S Normandie Ave	33.840478	-118.299633	11/27/2006
376	SUSMP	Infiltration	Infiltration Trench	601 N Avalon Blvd	33.777164	-118.262625	11/22/2006
377	SUSMP	Source Control	Drain Pac CB Insert	601 N Avalon Blvd	33.777164	-118.262625	11/22/2006
378	SUSMP	Source Control	Fossil Filter CB Insert	1338 W 228th St	33.818714	-118.300764	11/15/2006
379	SUSMP	Infiltration	Infiltration Trench	1338 W 228th St	33.818714	-118.300764	11/15/2006
380	SUSMP	Source Control	2 Fossil Filter CB Inserts	10400 S Grandee Ave	33.941381	-118.243633	10/25/2006
381	SUSMP	Green Infrastructure	2 Vegetated Swale/Strips	10400 S Grandee Ave	33.941381	-118.243633	10/25/2006
382	SUSMP	Green Infrastructure	2 Dry Wells	10400 S Grandee Ave	33.941381	-118.243633	10/25/2006
383	SUSMP	Green Infrastructure	Extended/Dry Retention Basin	525 E Anaheim St	33.780169	-118.257092	9/19/2006
384	SUSMP	Source Control	Fossil Filter CB Insert	245 7th St	34.042614	-118.249658	9/13/2006
385	SUSMP	Infiltration	Infiltration Trench	245 7th St	34.042614	-118.249658	9/13/2006
386	Site Specific	Unknown	Unknown	621 W 152nd St Bldg B	33.894842	-118.288269	10/27/2008
387	SUSMP	Infiltration	Infiltration Trench	340 S Mesa St	33.740542	-118.285206	9/3/2008
388	SUSMP	Source Control	3 Fossil Filter CB Inserts	340 S Mesa St	33.740542	-118.285206	9/3/2008
389	SUSMP	Unknown	Unknown	1001 N King Ave	33.782319	-118.276086	8/11/2008
Los Angeles County							
1	SUSMP	Source Control	2 Kristar Curb Mount FGP-36CI Filters with 1.50 CFS/Each Filtered Capacity	301 S Bandini St	33.741508	-118.298994	3/8/2010
2	SUSMP	Source Control	4 CB Fossil Filters	920 W Sepulveda Blvd	33.810291	-118.290874	3/8/2011
3	SUSMP	Source Control	1 Contech 8'X16' Stormfilter with 1.14 CFS Treatment Flow	902 W Sepulveda Blvd	33.810135	-118.290474	3/18/2010
4	SUSMP	Source Control	2 Jensen 24" Drop Inlets Model: DI242436 with Hydro-Cartridge Filters	810 W Sepulveda Blvd	33.809300	-118.288371	3/20/2012
5	SUSMP	Source Control	3 CB Filter Inserts	20425 S Hamilton Ave	33.845917	-118.286100	4/22/2013
6	SUSMP	Source Control	FGP-18F Kristar Flo-Gard Filter Inserts Model: FGP-18F	2626 E Vista Industrial	33.849846	-118.217048	5/11/2011
7	SUSMP	Source Control	CDS 2020-5	1303 W Sepulveda Blvd	33.813561	-118.299312	5/14/2013
8	SUSMP	Source Control	Maxwell IV Drainage System	1303 W Sepulveda Blvd	33.813561	-118.299312	5/14/2013
9	SUSMP	Source Control	Contech CMP Retention System	1303 W Sepulveda Blvd	33.813561	-118.299312	5/14/2013
10	SUSMP	Source Control	2 Kristar Swalegard Parkway Drain Filters Model: CDG-1A	2001 E Cashdan St	33.856083	-118.231217	6/7/2007
11	SUSMP	Source Control	2 SB-24 Fossil Filters	898 W Sepulveda Blvd	33.810075	-118.290319	6/7/2011
12	SUSMP	Source Control	Contech CDS Unit Model:CDS2015	19300 S Vermont Ave	33.856103	-118.290453	8/12/2009
13	SUSMP	Source Control	FGP-12F Filter	1259 W Carson St	33.831635	-118.298274	8/23/2010
14	SUSMP	Source Control	7 - Contech Stormwater Cartridge CB	833 W Torrance Blvd	33.842110	-118.288765	9/9/2008

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
15	SUSMP	Source Control	BIOCLEAN FLUME FILTER	19914 S Via Baron	33.850439	-118.229073	10/11/2006
16	SUSMP	Source Control	2 FGP-36F Filters	19914 S Via Baron	33.850439	-118.229073	10/11/2006
17	SUSMP	Source Control	Fossil Filter FB-24	1360 W 6th St	33.738882	-118.307015	10/21/2008
18	SUSMP	Source Control	Up Flo Filters	2310 E Gladwick St	33.852978	-118.223806	12/23/2010
19	SUSMP	Source Control	CB Insert FGP-2448F	1145 W Carson St	33.831633	-118.295990	12/28/2006
20	SUSMP	Source Control	1 Fossil Filter Flo-Gard Trench Drain Filter, THREE FLOGARD TRASH & DEBR	12714 S La Cienega Blvd	33.917194	-118.371340	2/8/2012
21	SUSMP	Source Control	3 Flo-Gard Trash and Debris Filters	12714 S La Cienega Blvd	33.917194	-118.371340	2/8/2012
22	SUSMP	Source Control	4 Rubberizer C.B. Filters	219 E Alondra St	33.885796	-118.273315	2/25/2013
23	SUSMP	Source Control	Ultra Urban Filter DI Series	357 W Compton Blvd	33.894859	-118.279833	3/7/2006
24	SUSMP	Source Control	CDS Model PMSU30-20 or Equal	1330 W Imperial Hwy	33.930921	-118.299100	3/15/2007
25	SUSMP	Source Control	2 Downspout Kristar Flo-gard Filters, Model: FG-DS4	10828 S Condon Ave	33.937761	-118.359059	3/19/2008
26	SUSMP	Source Control	3 CB Fossil Filters Models: FGP-18F & FF-12D	10714 S Western Ave	33.938971	-118.308959	5/1/2007
27	SUSMP	Source Control	4 Downspout Filters	10714 S Western Ave	33.938971	-118.308959	5/1/2007
28	SUSMP	Source Control	Flo-Gard FG-TDG24	1138 E Rosecrans Ave	33.902689	-118.254998	5/2/2013
29	SUSMP	Source Control	1 FG-TD08 Filter (1)FG-TD08 F	14200 Avalon Blvd	33.903035	-118.265201	5/6/2008
30	SUSMP	Source Control	2 CDS Units	1600 W Imperial Hwy	33.930922	-118.304771	5/10/2012
31	SUSMP	Source Control	CDS Unit, CB Filter Inserts, Low Flow Dry Wells	1600 W Imperial Hwy	33.930922	-118.304771	5/18/2011
32	SUSMP	Source Control	7 CDS Units	1600 W Imperial Hwy	33.930922	-118.304771	6/17/2011
33	SUSMP	Source Control	2 CDS Units	1600 W Imperial Hwy	33.930922	-118.304771	6/17/2011
34	SUSMP	Source Control	5 CDS Units	1600 W Imperial Hwy	33.930922	-118.304771	6/17/2011
35	SUSMP	Source Control	3 CDS Units	1600 W Imperial Hwy	33.930922	-118.304771	6/17/2011
36	SUSMP	Source Control	3 FGP-2436F Filters	14702 S Maple Ave	33.898146	-118.272549	7/16/2007
37	SUSMP	Source Control	1 Flo-Gard Fossil Filter Model: FGP-24F	13414 S Figueroa St	33.910092	-118.282661	8/20/2008
38	SUSMP	Source Control	Flo-Gard Trench Drain Filters and Fossil Filter FB-24	12735 S Main St	33.917227	-118.273986	8/28/2007
39	SUSMP	Source Control	Flo-Gard CB Filter Insert	1360 W Imperial Hwy	33.930920	-118.299564	9/10/2008
40	SUSMP	Green Infrastructure	Underground Poly Storage Tanks	11044 S Freeman Ave	33.935313	-118.348188	11/3/2010
41	SUSMP	Source Control	4 Flo-Gard FG-TDG48 Filters	14439 S Avalon Blvd	33.900818	-118.265333	12/14/2006
42	SUSMP	Source Control	CB Filters	17680 S Figueroa St	33.870573	-118.281563	4/2/2008
43	SUSMP	Source Control	Trench Drain Filter	17006 S Figueroa St	33.876875	-118.282310	6/23/2008
44	LID	Green Infrastructure	Disconnect Impervious Surfaces		33.928826	-118.375382	8/19/2010
45	LID	Green Infrastructure	Disconnect Impervious Surfaces	3137 135th St	33.909448	-118.327842	NULL
46	LID	Green Infrastructure	Disconnect Impervious Surfaces	4818 138th St	33.905772	-118.362063	10/31/2011
47	LID	Rain Barrel	Rain Barrel	10700 Firmona Ave	33.939279	-118.356672	12/15/2009
48	LID	Green Infrastructure	Disconnect Impervious Surfaces	14106 Shoup Ave	33.903442	-118.363908	NULL
49	LID	Unknown	Other		33.930653	-118.305454	NULL
50	LID	Green Infrastructure	Disconnect Impervious Surfaces	3343 132nd St	33.912609	-118.332324	8/1/2012
51	LID	Green Infrastructure	Disconnect Impervious Surfaces	4825 134th Pl	33.910594	-118.362194	6/3/2010
52	LID	Green Infrastructure	Disconnect Impervious Surfaces		33.912749	-118.331088	NULL
53	LID	Rain Barrel	Rain Barrel		33.919496	-118.281407	1/24/2012
54	LID	Unknown	Other	4331 Lennox Blvd	33.938677	-118.351849	NULL
55	LID	Green Infrastructure	Disconnect Impervious Surfaces	5138 135th St	33.909221	-118.368393	2/9/2011
56	LID	Green Infrastructure	Disconnect Impervious Surfaces	20625 Catalina St	33.842936	-118.294192	NULL
57	LID	Green Infrastructure	Dry Well	1000 Carson St	33.829799	-118.294727	7/19/2010
58	LID	Unknown	Other	11507 Western Ave	33.929445	-118.310221	NULL
59	LID	Source Control	Landscaping and Irrigation	125 El Segundo Blvd	33.916800	-118.272983	NULL
60	LID	Green Infrastructure	Disconnect Impervious Surfaces	5232 119th St	33.925198	-118.371268	NULL
61	LID	Rain Barrel	Rain Barrel	10935 Osage Ave	33.936168	-118.346417	NULL
62	LID	Rain Barrel	Rain Barrel	5349 119th Pl	33.924824	-118.373838	NULL

Table O.6: Detailed List of Existing Distributed BMPs in DC WMG

ID	Data Source	BMP Category	Project Description	Address	Latitude	Longitude	Date Active
63	LID	Unknown	Other	22433 Vermont Ave	33.822400	-118.290777	NULL
64	LID	Green Infrastructure	Disconnect Impervious Surfaces	3356 152nd St	33.893586	-118.332670	NULL
65	LID	Source Control	Landscaping and Irrigation	3546 132nd st	33.912082	-118.334631	NULL
66	LID	Green Infrastructure	Disconnect Impervious Surfaces	5024 112th St	33.932534	-118.366212	6/21/2011
67	LID	Green Infrastructure	Disconnect Impervious Surfaces	3535 Redondo Beach Blvd	33.882953	-118.339007	1/31/2011
68	LID	Green Infrastructure	Disconnect Impervious Surfaces	14425 Loness Ave	33.900795	-118.254748	NULL
69	LID	Rain Barrel	Rain Garden	1525 El Segundo Blvd	33.916751	-118.303177	NULL
70	LID	Green Infrastructure	Disconnect Impervious Surfaces	14615 Chadron Ave	33.898822	-118.328934	NULL
71	LID	Unknown	Other	15730 Figueroa St	33.887734	-118.281572	NULL
72	LID	Rain Barrel	Rain Barrel	15303 Ermanita Ave	33.892549	-118.332770	4/20/2010
73	LID	Source Control	Landscaping and Irrigation	5500 119th Pl	33.924285	-118.376798	NULL
74	LID	Rain Barrel	Rain Barrel	5238 119th St	33.925198	-118.371439	11/15/2011
75	LID	Source Control	Landscaping and Irrigation	5413 118th St	33.927549	-118.374916	NULL
76	LID	Rain Barrel	Rain Barrel	10820 Osage Ave	33.937516	-118.345797	11/30/2010
77	LID	Unknown	Other	11633 Western Ave	33.927562	-118.310227	NULL

Attachment P

Potential Regional BMP Projects Worksheet

PAGE INTENTIONALLY LEFT BLANK

TECHNICAL MEMORANDUM

To: Dominguez Channel Watershed Management Group

From: Team Dominguez

Date: 3/9/2015

Subject: **Task F.4.2.2 – Preliminary List of Regional Projects - Revised**

1 Introduction

This technical memorandum presents a list of parcels that have the potential for becoming multi-benefit regional projects as part of the Dominguez Channel Enhanced Watershed Management Plan (EWMP). The sites were selected according to general approach presented in Section 3.1.4 of *the Enhanced Watershed Management Program Work Plan for the Dominguez Channel Watershed Management Area Group* June 2014 report (Work Plan) and subsequent August 15, 2014 *Task 4.2.1 – Regional Project Proposed Initial Ranking Criteria (Draft)* memorandum (Ranking Memorandum: attached to this memo).

To summarize the ranking criteria, Table 1 lists the criteria and how the parcels were scored based on those criteria. The right most column of Table 1 lists if Geographical Information System (GIS) coverage was useable for autonomous scoring of the parcels. Following the autonomous scoring of the parcels, parcels were visually evaluated to assess if they could conceivably provide sufficient space for a regional project that retains the 85th percentile storm from a catchment area outside the parcel itself.

For visual evaluation, the following screening criteria were adhered to:

1. Score using the GIS approach.
2. Identify Assessors Identification Numbers (AIN) ending in 900s. These represented tax exempt parcels, which, if tax-exempt, were assumed therefore to be government owned.
3. Specify which Tier a parcel should be categorized in based on its land use.

Tier 1: 900 coded open space, parks, golf courses, vacant

Tier 2: 900 coded everything else, with the exception of education

Tier 3: non-900 coded (privately owned) open space, parks, golf courses, vacant

Tier 4: education – both 900 and non-900 coded

Tier 5: everything else – non-900, non-education, non-park/open space/golf course/vacant.

4. Exclude Tier 5; if a Watershed Management Group (WMG) member or stakeholder brings a Tier 5 parcel forward, it can be evaluated further for feasibility.
5. Exclude parcels < 0.25 acres. These would have insufficient space for regional retention.
6. Exclude parcels that are part of natural water body.
7. Exclude parcels at edge of the Dominguez Channel (DC) Watershed Management Group Area (WMGA). These would not collect significant water from the DC WMGA jurisdictions.

8. Exclude parcels with more than 60 to 70% buildings based on visual inspection of Google Earth and Google Maps views available on or after December 2014

9. Exclude open space parcels that have been developed based on visual inspection. It is important to note that a number of parcels labeled as "open space" were developed and their land use designation not changed in the parcel data available.

10. Exclude parcels that have less than approximately 10 acres tributary to them. This was not strictly adhered to, but in general, parcels that could collect water from 10 acres upstream of them were preferred.

11. Of the 900 series that survive this screening, review the ownership. If available data indicates the property is owned by WMG agencies, select as potential regional projects.

12. Review the unselected 900 series and the non-900 series that survive this screening and list the top 100 to 200 scores from those.

13. Visually inspect the top 100 to 200 and identify those that may have better potential to explore further based on potential catchment area, potential space on site and size of site, and potential ownership

It is important to note the following:

- GIS data contained no information regarding how much of the parcel was covered with structures and how much was potentially open in the form of a parking lot or landscaped area.
- Storm drains identified in the database are Los Angeles County storm drains. As such, there may be a closer storm drain to the selected parcel than indicated in the database.
- Streets rights of way were not included in this screening analysis for consideration as regional projects. They will be included in subsequent analyses of distributed regional or distributed projects needed to achieve planning objectives.
- The only data on the presence or absence of contamination was the listing of superfund sites. Other contamination information was not readily available. This would need to be evaluated on a parcel by parcel basis during project development.
- Depth to groundwater was not available. This would need to be evaluated on a parcel by parcel basis during project development.
- In general, public parcels listed as parks, vacant, or open space were evaluated as having the potential to accommodate regional projects. Schools, public buildings, and private parcels were listed, but those investigated were not promising due to small available unbuilt footprint on the parcel, small WMG drainages leading to the parcel, or ownership challenges with accessing the parcel. Parcels with more than one land use were biased to the more desirable use to make sure the parcel received a manual screening.
- Initial scoring suggested that land use and proximity to an outfall were not weighted heavily enough for the better parcels to emerge with higher scores. Scorings for those categories were doubled to provide heavier weighting for those criteria.
- Some sites contain multiple parcels. If a parcel at a project site is comparatively smaller than the other parcel(s) and if the project will not be sited on that parcel it is not listed and its score is not considered in the average score.

Attachment 1 contains summary tables showing Tiers 1 through 4 within each WMG jurisdiction. Following the tables are figures showing locations of and potential footprints for the nine recommended projects and the locations of the parcels fitting into tiers 1 through 4. The potential project footprints are based on stormwater storage areas of sufficient size to infiltrate in 72 hours or to store the 85th percentile storm in 10 feet in depth unless otherwise noted. In most cases, areas needed to infiltrate in 72 hours were larger than the area needed to store the storm volume in 10 feet of depth.

Table 1. Ranking Criteria								
Criteria		Points						GIS Coverage
		0	1	2	3	4	5	
General Criteria	Proximity to an Outfall (mile) (x2)	3.0 ≤ X	2.5 ≤ X < 3.0	2.0 ≤ X < 2.5	1.5 ≤ X < 2.0	1.0 ≤ X < 1.5	0 ≤ X < 1.0	X
	Proximity to 36" Storm Drain (feet)[1]	1,000 ≤ X	800 ≤ X < 1000	600 ≤ X < 800	400 ≤ X < 600	200 ≤ X < 400	0 ≤ X < 200	X
	Land Use (x2)	Restricted Area (DOD)	Private requiring demolition of structures	Private with large parking lots requiring no changes to land use	Schools and Golf Courses	Public Buildings	Public Open Space	X
	Parcel Size (acre)	X < 0.25	0.25 ≤ X < 1.0	1.0 ≤ X < 2.0	2.0 ≤ X < 3.0	3.0 ≤ X < 4.0	4.0 ≤ X	X
	Catchment Area[2]	X<1	1 ≤ X < 25	25 ≤ X < 50	50 ≤ X < 75	75 ≤ X < 100	100 ≤ X	
Underlying Soil Conditions	Contamination[2]	Superfund	Possible Contamination				Certain no contamination	
	CPI		1	2	3	4	5	X
	Soil Infiltration Rate (inches/hour)	X < 0.3	0.3 ≤ X < 0.5	0.5 ≤ X < 0.7	0.7 ≤ X < 0.9	0.9 ≤ X < 1.1	1.1 ≤ X	X
	Slope (%)	10 < X	5 < X ≤ 10	3 < X ≤ 5	2 < X ≤ 3	1 < X ≤ 2	0 < X ≤ 1	
	Liquefaction Areas	Possible Liquefaction					No Liquefaction	X
	Landslide Areas	Possible Landslide					No Landslide	X
	Depth to Groundwater (feet)[2,3]		X ≤ 10				10 < X	
	Depth to Storm Drain Infrastructure (feet)[2]	15 ≤ X	10 ≤ X < 15	5 ≤ X < 10	3 ≤ X < 5	0 < X < 3	X=0 (open channel/ gutter)	

Notes:

[1.] Based on distance to midpoint of GIS pipeline segment to centroid of parcel.

[2] GIS data coverage not currently available.

[3] Site specific conditions may allow variances.

2 Screening

Tables 2 through 9 summarize the results of the site ranking analyses for each of the criteria with GIS coverage and Table 10 summarizes the results for all criteria. Land use was weighted by two times because it is the most important screening criteria. Distance to outfall was also weighted by two times due to parcels ranking high that were at the very edge of the watershed boundary with little or no contributing drainage area. Criteria without GIS coverage were not considered in the total score and would need to be evaluated on a parcel by parcel basis during project development.

Table 2. Proximity to an Outfall (mile)			
Criteria	**Score**	**No. of Parcels**	**% of Total**
3.0 ≤ X	0	0	0%
2.5 ≤ X < 3.0	2	3,310	3%
2.0 ≤ X < 2.5	4	9,862	10%
1.5 ≤ X < 2.0	6	10,904	11%
1.0 ≤ X < 1.5	8	20,702	21%
X < 1.0	10	52,948	54%
	Grand Total	**97,726**	**100%**

Table 3. Proximity to Storm Drains >= 36 in (Feet)			
Criteria	**Score**	**No. of Parcels**	**% of Total**
1000 ≤ X	0	38,247	39%
800 ≤ X < 1000	1	10,740	11%
600 ≤ X < 800	2	11,292	12%
400 ≤ X < 600	3	12,168	12%
200 ≤ X < 400	4	10,906	11%
X < 200	5	14,373	15%
	Grand Total	**97,726**	**100%**

Table 4. Land Use			
Criteria	**Score**	**No. of Parcels**	**% of Total**
Restricted Area (DOD)	0	32	0%
Private Requiring Demolition of Structures	2	86,465	88%
Private with large parking lots requiring no changes to land use	4	7,899	8%
Schools and Golf Courses	6	676	1%
Public Buildings	8	652	1%
Public Open Space	10	2,002	2%
	Grand Total	**97,726**	**100%**

Table 5. Parcel Size (Acres)			
Criteria	**Score**	**No. of Parcels**	**% of Total**
X < 0.25	0	76,403	78%
0.25 ≤ X < 1.0	1	9,729	10%

Table 5. Parcel Size (Acres)			
Criteria	**Score**	**No. of Parcels**	**% of Total**
1.0 ≤ X < 2.0	2	3,562	4%
2.0 ≤ X < 3.0	3	2,420	2%
3.0 ≤ X < 4.0	4	1,111	1%
4.0 ≤ X	5	4,501	5%
	Grand Total	**97,726**	**100%**

Table 6. CPI Score			
Criteria	**Score**	**No. of Parcels**	**% of Total**
1	1	22,646	23%
2	2	0	0%
3	3	2,004	2%
4	4	19,243	20%
5	5	53,833	55%
	Grand Total	**97,726**	**100%**

Table 7. Soil Infiltration Rate (in/hr)			
Criteria	**Score**	**No. of Parcels**	**% of Total**
X < 0.3	0	17,301	18%
0.3 ≤ X < 0.5	1	68,544	70%
0.5 ≤ X < 0.7	2	0	0%
0.7 ≤ X < 0.9	3	11,881	12%
0.9 ≤ X < 1.1	4	0	0%
1.1 ≤ X	5	0	0%
	Grand Total	**97,726**	**100%**

Table 8. Liquefaction Areas			
Criteria	**Score**	**No. of Parcels**	**% of Total**
Possible Liquefaction	0	5,480	6%
No Liquefaction	5	92,246	94%
	Grand Total	**97,726**	**100%**

Table 9. Landslide Areas			
Criteria	**Score**	**No. of Parcels**	**% of Total**
Possible Landslide	0	919	1%
No Landslide	5	96,807	99%
	Grand Total	**97,726**	**100%**

Table 10. Total Score		
Score	**No. of Parcels**	**% of Total**
25 and below	28,625	29.3%
26 - 30	47,497	48.6%
31 - 35	19,082	19.6%

Table 10. Total Score		
Score	**No. of Parcels**	**% of Total**
36 – 39	2,391	2.45%
40	79	0.081%
41	21	0.021%
42	20	0.020%
43	7	0.007%
44	3	0.003%
46	1	0.001%
Grand Total	97,726	100%

Table 11 shows the tiers, the land uses in those tiers, and whether the tiers are exclusively 900 codes, non-900 codes, or both.

From the tier 1 list, after the additional manual screening, a total of nine parcels were identified that show promise for placement of regional projects that capture some catchment area and may be controlled by Watershed Management Group (WMG) members for: (listed in order from the northern part of the watershed to the southern part)

1. Darby Park
2. El Segundo
3. Ramona Park
4. Jim Thorpe Park
5. Chester Washington Golf Course
6. Hawthorne Memorial Park
7. Harbor City Park
8. Wilmington Recreation Center
9. Averill Park

Table 11: Tiered Sorting of Parcels Key			
Tier		**LU-ALF**	**900 (Non-Taxed)**
1	Public Open Space	Developed Local Parks and Recreation	Yes
		Developed Regional Parks and Recreation	
		Golf Courses	
		Other Open Space and Recreation	
		Vacant Area	
		Vacant Undifferentiated	
2	Government Land Uses Possibly Compatible	Attended Pay Public Parking Facilities	Yes
		Base (Built-up Area)	
		Bus Terminals and Yards	
		Chemical Processing	
		Commercial Recreation	
		Commercial Storage	
		Communication Facilities	
		Duplexes, Triplexes and 2-or 3-Unit Condominium[1]	
		Fire Stations	
		Government Offices	
		Harbor Facilities	
		High-Density Single Family Residential	
		Horse Ranches	
		Hotels and Motels	
		Improved Flood Waterways and Structures	
		Irrigated Cropland and Improved Pasture Land	
		Low- and Medium-Rise Major Office Use	
		Low-Density Single Family Residential	
		Low-Rise Apartments, Condominiums, and Townhouses[1]	
		Maintenance Yards	
		Major Medical Health Care Facilities	
		Mineral Extraction - Other Than Oil and Gas	
		Mixed Commercial and Industrial	
		Mixed Multi-Family Residential	
		Mixed Residential	
		Mixed Transportation	
		Mixed Urban	
		Modern Strip Development	
		Non-Attended Public Parking Facilities	
		Nurseries	
		Older Strip Development	
		Open Storage	
		Other Public Facilities	
		Other Special Use Facilities	
		Park-and-Ride Lots	
		Railroads	
		Railroads-Open Storage	
		Railroads-Truck Terminals	
		Religious Facilities	
		Wholesaling and Warehousing	
3	Golf Courses and Private Open Space	Developed Local Parks and Recreation	No
		Developed Regional Parks and Recreation	
		Golf Courses	
		Other Open Space and Recreation	
		Vacant Area	

Table 11: Tiered Sorting of Parcels Key			
Tier		**LU-ALF**	**900 (Non-Taxed)**
		Vacant Undifferentiated	
4	Schools	Colleges and Universities	No and Yes
		Elementary Schools	
		Senior High Schools	
		Trade Schools and Professional Training Facilities[1]	
		Junior or Intermediate High Schools	
5	Government Land Uses Not Likely Compatible	Airports	Yes
		Base Government Offices	
		Base High-Density Single Family Residential	
		Cemeteries	
		Electrical Power Facilities	
		Electrical Power Facilities-Powerlines (Urban	
		Freeways and Major Roads	
		Harbor Water Facilities	
		High-Rise Major Office Use	
		Manufacturing, Assembly, and Industrial Services[1]	
		Marina Water Facilities	
		Medium-Rise Apartments and Condominiums	
		Mineral Extraction - Oil and Gas	
		Natural Gas and Petroleum Facilities	
		Petroleum Refining and Processing	
		Police and Sheriff Stations	
		Railroads-Manufacturing, Assembly, and Industrial Services[1]	
		Regional Shopping Center	
		Research and Development	
		Retail Centers (Non-Strip)[1]	
		Special Care Facilities	
		Trailer Parks and Mobile Home Courts[1]	
		Truck Terminals	
		Water Storage Facilities	
		Water Transfer Facilities	
		Water, Undifferentiated	
	All other non-government land uses		No
1 Database field truncates at 45 characters. Exact land use title assumed.			

3 Determination of the 85th Percentile, 24 Hour Storm

After the parcels with the highest probability of becoming regional multi-benefit project locations were identified, the approximate drainage areas tributary to each parcel selected were delineated using the available 10-foot contour coverage, subwatershed boundaries, and storm drain GIS data supplied by the WMG. The 85th percentile, 24-hour storm water quality volume was calculated based on the tributary drainage area and the provided design runoff inches calculated as part of the subwatershed data set. Attachment 1 shows the parcels and catchment delineations for each of the 9 potential projects in order from the northern part of the watershed to the southern part.

4 Project Descriptions

The attached summary table provides information for each potential project site. This section presents supporting details and facility opportunities and constraints. Facilities were sized in two

ways, 1) for a 10 foot depth and 2) for the depth resulting from the area required to infiltrate the water quality volume in 72-hours given provided estimates of local infiltration rates. Refer to the attached table for calculation details that include:

Design Volume (ac-ft) = Drainage Area (acres)*Design Runoff (in/acre)*(1ft/12in)

Footprint (acre) $_{\text{Design Depth 10 ft}}$ = Design Volume (ac-ft)/10 ft

Length and Width (ft) = Square Root (Footprint (acre) $_{\text{Design Depth 10 ft}}$*43,560)
this represents the length and width of a square

Time to Drawdown (hr) $_{\text{10 feet depth}}$ = 10 ft/[Infiltration Rate (in/hr)*(ft/12 in)]

72-hour Drawdown Design Depth (ft) = 72 hr*[Infiltration Rate (in/hr)*(ft/12 in)]

72-hour Infiltration Depth Design Footprint (acre) = Design Volume (ac-ft)/ 72-hour Drawdown Design Depth (ft)

Where,

ac-ft = acre-feet

in = inches

ft = feet

hr = hour

4.1 Potential Project #1: Darby Park Project Site

The Darby Park parcel is owned by the City of Inglewood. The parcel totals 19.3 acres with about half open space park. There are several land uses tributary to the site as shown in the attached Darby Project Site figure. Dependent on the site specific soils, it is anticipated that the site will be able to capture the entire 85th percentile event water quality volume. Details of the site are presented in Table 12 and a conceptual footprint drawing is included in the attachments (Darby Park Project Site Concept Footprint).

Table 12. Darby Park Project Site

Item	Detail
Ownership	City of Inglewood
AIN	4025-011-900
Address	3400 W Arbor Vitae St, Inglewood, CA 90305
Infiltration Rate (in/hr)	0.45
Groundwater Basin	Central
Site Area (acre)	19.3
Ranking Score	41 (out of 50)
Drainage Area (acre)	106
Design Volume (ac-ft)	5.2
10 Foot Depth Design Footprint (acre)	0.5
72-hour Infiltration Depth Design Footprint (acre)	1.9

4.2 Potential Project #2: El Segundo Project Site

The El Segundo project site parcels are owned by the City of El Segundo and together are approximately 7.4 acres of primarily open space. There are several land uses tributary to the site as shown in the attached El Segundo Project Site figure. Dependent on the site specific

soils, it is anticipated that to capture the entire 85th percentile event water quality volume most if not all of the site will be required. Details of the site are presented in Table 13 and a conceptual footprint drawing is included in the attachments (El Segundo Project Site Concept Footprint).

Table 13. El Segundo Project Site	
Item	**Detail**
Ownership	City of El Segundo
AIN	4138-014-914; 4138-014-914
Address	South Hughes Way and Allied Way, El Segundo, CA
Infiltration Rate (in/hr)	0.81
Groundwater Basin	West Coast
Site Area (acre)	7.39 (6.2 + 1.19)
Ranking Score	35 average (out of 50) (Average of 34 and 36)
Drainage Area (acre)	574
Design Volume (ac-ft)	27
10 Foot Depth Design Footprint (acre)	2.7
72-hour Infiltration Depth Design Footprint (acre)	5.6

4.3 Potential Project #3: Ramona Park Project Site

The Ramona Park parcel is owned by the City of Hawthorne and is an approximately 1.7 acres primarily open space site. There are several land uses tributary to the site as shown in the attached Ramona Project Site figure. Dependent on the site specific soils, it is anticipated that to capture the entire 85th percentile event water quality volume most, if not, all of the site will be required and may not be able to capture the entire design event. The design of the facility will require an approximately 900 foot diversion at Inglewood Boulevard running along West 137th Street. Details of the site are presented in Table 14 and a conceptual footprint drawing is included in the attachments (Ramona Park Project Site Concept Footprint).

Table 14. Ramona Park Project Site	
Item	**Detail**
Ownership	City of Hawthorne
AIN	4043-002-904
Address	4662 W 136th St, Hawthorn CA 90250
Infiltration Rate (in/hr)	0.45
Groundwater Basin	West Coast
Site Area (acre)	1.7
Ranking Score	35 (out of 50)
Drainage Area (acre)	273
Design Volume (ac-ft)	12.9
10 Foot Depth Design Footprint (acre)	1.3
72-hour Infiltration Depth Design Footprint (acre)	4.8

4.4 Potential Project #4: Jim Thorpe Park Project Site

The Jim Thorpe Park parcels are owned by the City of Hawthorne and together are an approximately 8.65 acres primarily open space site. There are several land uses tributary to the

site as shown in the attached Jim Thorpe Park Project Site figure. Dependent on the site specific soils, it is anticipated that the site will be able to capture the entire 85th percentile event water quality volume depending on the local soil infiltration rate. Note that surface soils have been designated with a very low infiltration rate; however, infiltration capacity may increase or decrease with depth. Details of the site are presented in Table 15 and a conceptual footprint drawing is included in the attachments (Jim Thorpe Park Project Site Concept Footprint).

Table 15. Jim Thorpe Project Site	
Item	**Detail**
Ownership	City of Hawthorne
AIN	4051-032-903; 4051-029-901; 4051-030-901
Address	14100 Prairie Ave, Hawthorne, CA 90250
Infiltration Rate (in/hr)	0.27
Groundwater Basin	West Coast
Site Area (acre)	8.65 (4.1+3.53+1.02)
Ranking Score	40 (average) (out of 50) (Average of 42, 40, and 37)
Drainage Area (acre)	378
Design Volume (ac-ft)	16
10 Foot Depth Design Footprint (acre)	1.6
72-hour Infiltration Depth Design Footprint (acre)	9.7

4.5 Potential Project #5: Chester Washington Golf Course Project Site

The Chester Washington Golf Course parcel for the project is owned by Los Angeles County and operated under lease by American Golf and is an approximately 116 acre primarily open space site. There is an attached parcel for the Golf Course that is not needed for project siting and not shown here. There are several land uses tributary to the site as shown in the attached Chester Washington Golf Course Project Site figure. Based on the information provided by the WMG, the site appears to be able to accept stormwater flows from the north and the southeast. Dependent on the site specific soils, it is anticipated that the site will be able to capture the entire 85th percentile event water quality volume for both the north and the southeast tributary areas. Details of the site are presented in Table 16 and a conceptual footprint drawing is included in the attachments (Chester Washington Golf Course Project Site Concept Footprint).

Table 16. Chester Washington Golf Course Project Site		
Item	**Detail**	
Ownership	Los Angeles County (Operated under lease by American Golf)	
AIN	4057-032-900	
Address	1930 W 120th St, Los Angeles, CA 90047	
Infiltration Rate (in/hr)	0.45	
Groundwater Basin	West Coast and Central	
Site Area (acre)	116	
Ranking Score	46 (out of 50)	
Tributary Area	North	Southeast

Table 16. Chester Washington Golf Course Project Site		
Item	**Detail**	
Drainage Area (acre)	636	542
Design Volume (ac-ft)	25.8	22
10 Foot Depth Design Footprint (acre)	2.6	2.2
72-hour Infiltration Depth Design Footprint (acre)	9.5	8.1

4.6 Potential Project #6: Hawthorne Memorial Park Project Site

The Hawthorne Memorial Park parcel is owned by City of Hawthorne and is approximately 6.59 acres of primarily open space site. There are several land uses tributary to the site as shown in the attached Hawthorne Memorial Park Project Site figure. Dependent on the site specific soils, it is anticipated that the site will be able to capture the entire 85th percentile event water quality volume. Details of the site are presented in Table 17 and a conceptual footprint drawing is included in the attachments Hawthorne Memorial Park Project Site Concept Footprint).

Table 17. Hawthorne Memorial Park Project Site	
Item	**Detail**
Ownership	City of Hawthorne
AIN	4049-009-904
Address	3901 W. El Segundo Blvd. Hawthorne, CA 90250
Infiltration Rate (in/hr)	0.45
Groundwater Basin	West Coast Basin
Site Area (acre)	6.59
Ranking Score	41 (Out of 50)
Drainage Area (acre)	202
Design Volume (ac-ft)	11.3
10 Foot Depth Design Footprint (acre)	1.1
72-hour Infiltration Depth Design Footprint (acre)	4.2

4.7 Potential Project #7: Harbor City Park

The Harbor City Park parcels are owned by the City of Los Angeles and have the combined area of approximately 7.6 acres comprised of primarily open space. There are several land uses tributary to the site as shown in the attached Harbor City Park Project Site figure. Dependent on the site specific soils, it is anticipated that to capture the entire 85th percentile event water quality of the large tributary catchment area. The catchment area also includes tributary areas outside the Watershed Management Area (WMA) that would need to be investigated in more detail to understand if it would be feasible to reroute stormwater flows or only divert at strategic locations. For planning purposes, it has been assumed that only half of the total catchment area is diverted to the parcel and the remainder is diverted to a northern drainage at a major stormwater interchange just west of the parcels. Details of the site are presented in Table 18 and a conceptual footprint drawing is included in the attachments (Harbor City Park Project Site Concept Footprint).

Table 18. 7. Harbor City Park Project Site

Item	Detail
Ownership	City of Los Angeles
AIN	7439-027-900, 7439-027-902, 7439-027-903; 7439-027-904, 7439-027-905; 7439-027-906 (Harbor City Park)
Address	24901 Frampton Ave, Los Angeles, CA 90710;
Infiltration Rate (in/hr)	0.45
Groundwater Basin	West Coast
Site Area (acre)	7.62 (2.97+1.1+2.8+0.75)
Ranking Score	37 (average) (out of 50) (Average of 38, 37, 38, and 36)
Drainage Area (acre)	4,460 (total catchment, 2,230 diverted)
Design Volume (ac-ft)	77
10 Foot Depth Design Footprint (acre)	7.7
72-hour Infiltration Depth Design Footprint (acre)	28.6*

*Note: The 72-hour Infiltration Depth Design Footprint cannot be used at this location. Only the 10 foot depth design footprint can fit at this location.

4.8 Potential Project #8: Wilmington Recreation Center Project Site

The Wilmington Recreation Center parcels are owned by the City of Los Angeles and together are an approximately 7.3 acres primarily open space site. There are several land uses tributary to the site as shown in the attached Wilmington Recreation Center Project Site figure. Dependent on the site specific soils, it is anticipated that the site will be able to capture the entire 85th percentile event water quality volume. The design of the facility will require an approximately 800 foot diversion at McDonald Avenue running along West C Street. Details of the site are presented in Table 19 and a conceptual footprint drawing is included in the attachments (Wilmington Recreation Center Project Site Concept Footprint).

Table 19. Wilmington Recreation Center Project Site	
Item	**Detail**
Ownership	City of Los Angeles
AIN	7417-020-900; 7417-021-900
Address	325 N Neptune Ave, Wilmington, CA 90744
Infiltration Rate (in/hr)	0.45
Groundwater Basin	West Coast
Site Area (acre)	3 (3.76+3.55)
Ranking Score	38 out of 50 (Average of 38 and 38)
Drainage Area (acre)	273
Design Volume (ac-ft)	12.9
10 Foot Depth Design Footprint (acre)	1.3
72-hour Infiltration Depth Design Footprint (acre)	4.8

4.9 Potential Project #9: Averill Park Project Site

The Averill Park parcel is owned by the City of Los Angeles and is an approximately 10.7 acres primarily open space site. There are several land uses tributary to the site as shown in the attached Averill Park Project Site figure. Dependent on the site specific soils, it is anticipated

that most, if not all, of the site will be required to capture the entire 85th percentile event water quality volume. The catchment area also includes tributary areas outside the WMA that would need to be investigated in more detail to understand if it would be feasible to reroute stormwater flows or only divert at strategic locations. Details of the site are presented in Table 20 and a conceptual footprint drawing is included in the attachments (Averill Park Project Site Concept Footprint).

Table 20. Averill Park Project Sites

Item	Detail
Ownership	City of Los Angeles
AIN	7560-023-900
Address	1300 S Dodson Ave, San Pedro, CA 90732
Infiltration Rate (in/hr)	0.40
Groundwater Basin	West Coast
Site Area (acre)	10.7
Ranking Score	42 out of 50
Drainage Area (acre)	1,376
Design Volume (ac-ft)	21.4
10 Foot Depth Design Footprint (acre)	2.1
72-hour Infiltration Depth Design Footprint (acre)	8.9

5 Additional Parcels Evaluated

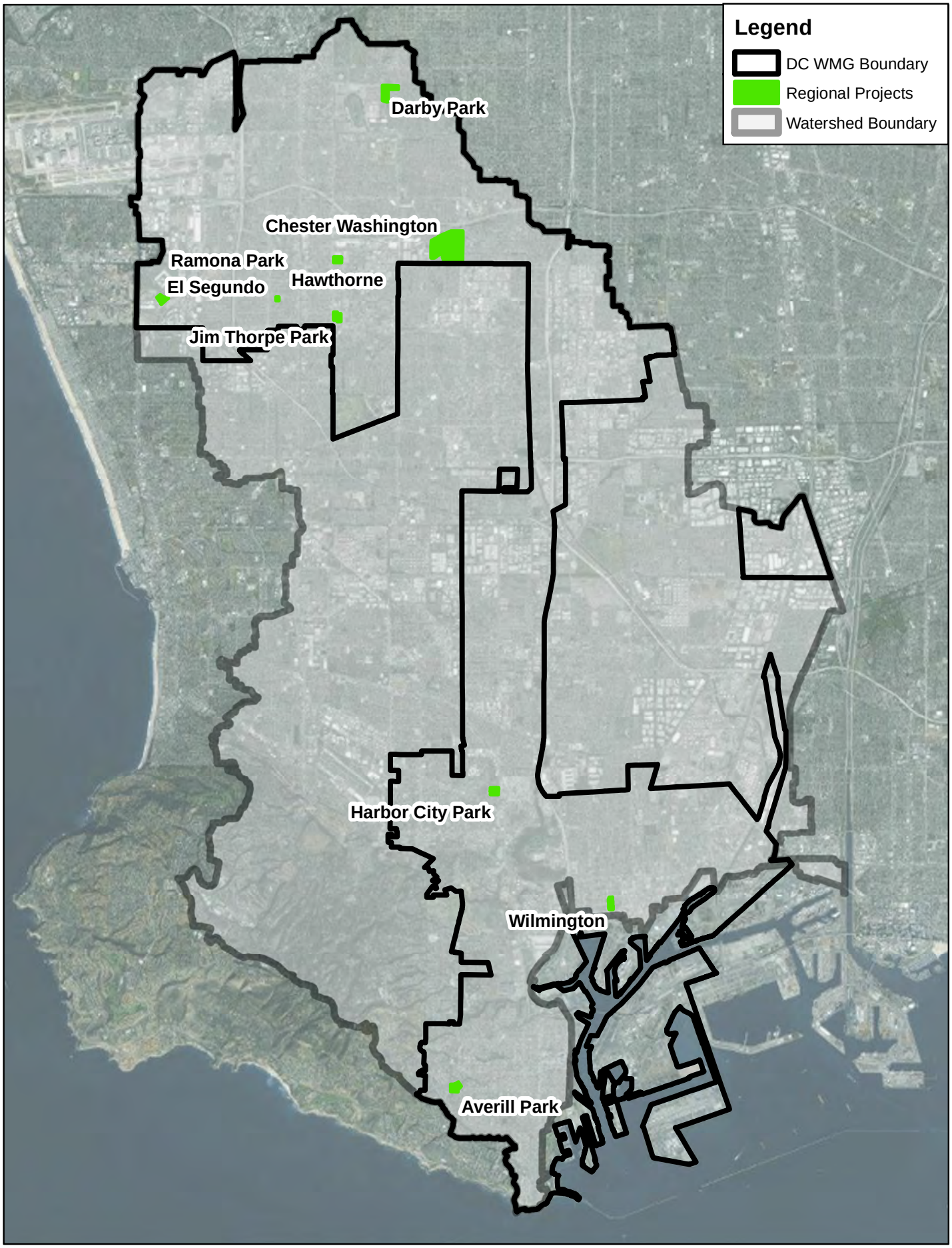
The tables in Attachment 2 show parcels for each agency in the WMG that had relatively high scores, had potentially useable features, and were evaluated for the potential to accommodate a regional project. The recommended parcels are shown in these tables. Parcels that may have some additional potential are shown as well. Each WMG agency can review these tables to identify if they would propose additional projects for inclusion in the EWMP at their discretion.

Please note that not including a potential project in the EWMP does not preclude any agency from developing it as a project to achieve water quality or other benefits during implementation of the EWMP. The EWMP will have a number of distributed projects for which precise locations are not specifically assigned, but the quantity of which will be identified to achieve the water quality goals of the EWMP. Additional regional projects can also be developed as the EWMPs are implemented at the discretion of a WMG agency.

PAGE INTENTIONALLY LEFT BLANK

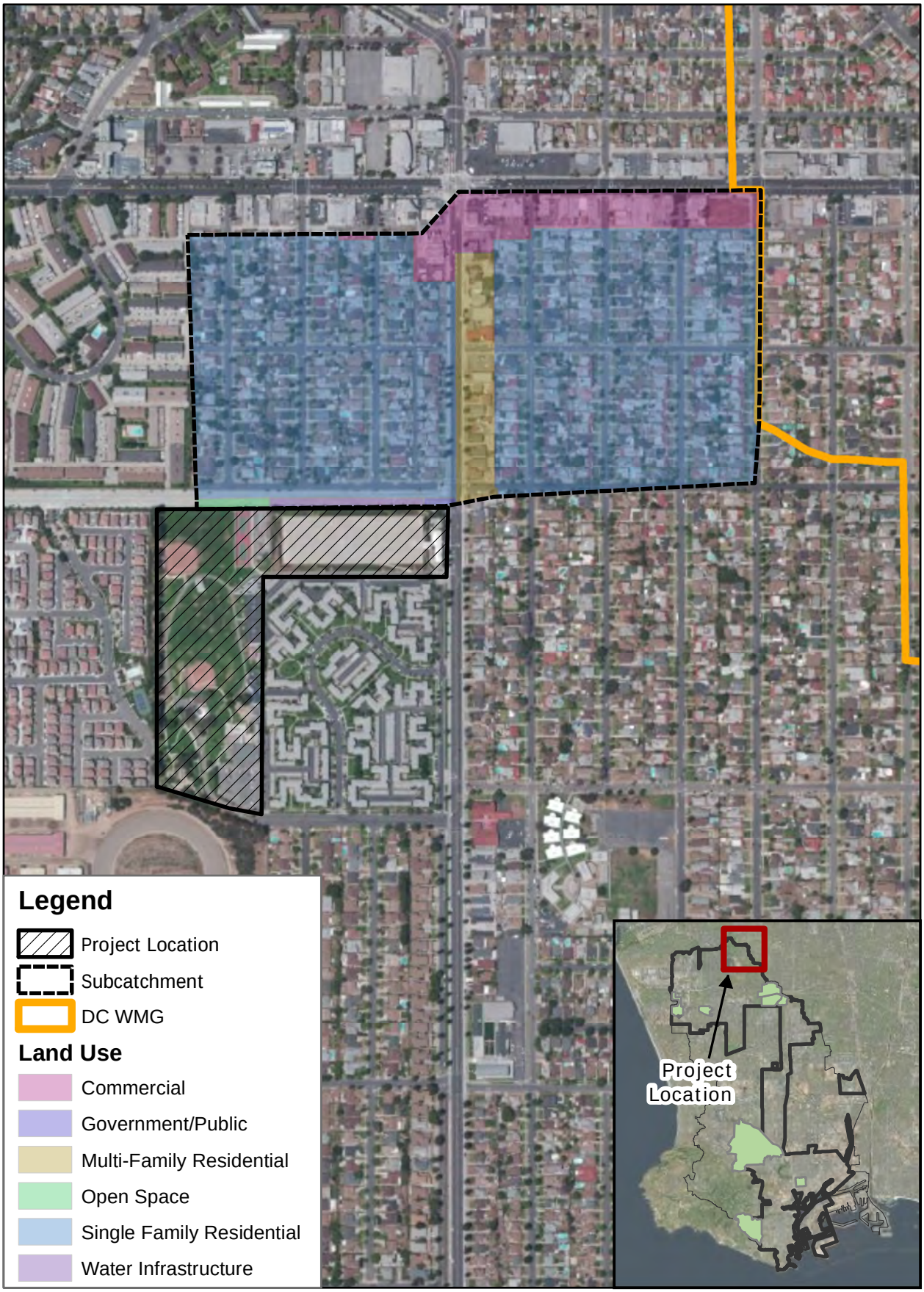
Attachment 1: Project Site Concepts

PAGE INTENTIONALLY LEFT BLANK



Regional Projects

PAGE INTENTIONALLY LEFT BLANK



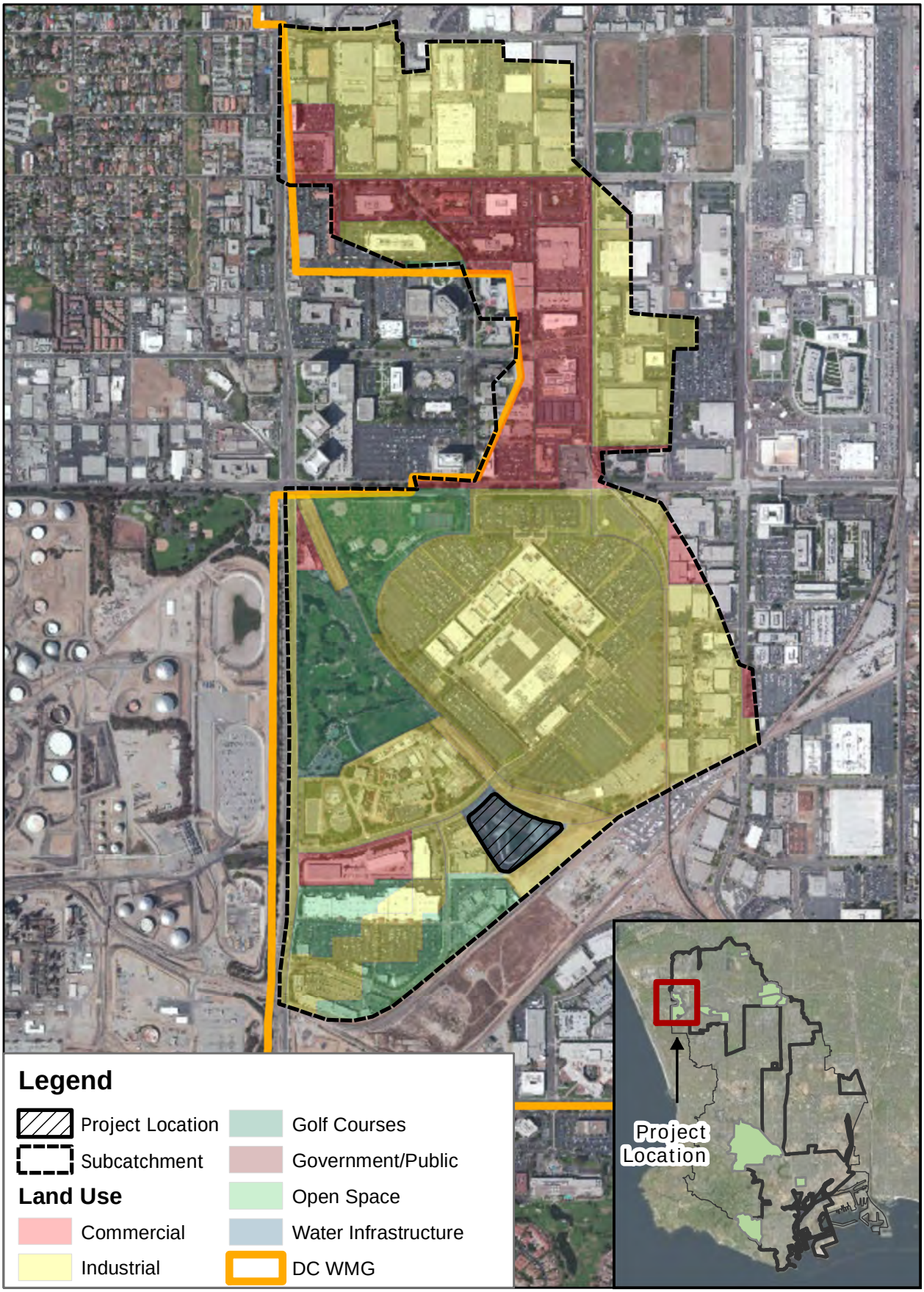
Darby Park Project Site

PAGE INTENTIONALLY LEFT BLANK

nSD

Darby Park Project Site
Concept Footprint

PAGE INTENTIONALLY LEFT BLANK



El Segundo Project Site

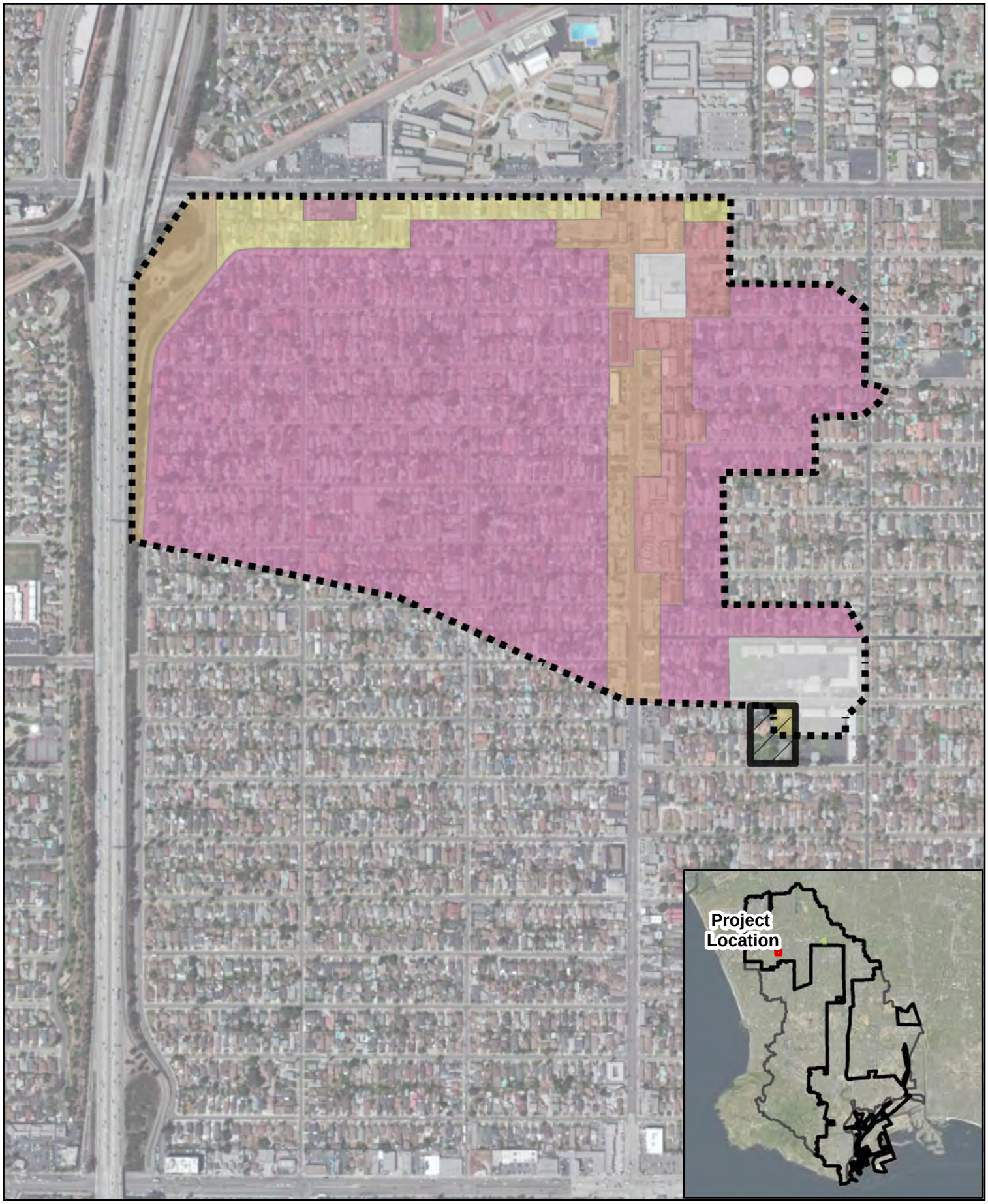
PAGE INTENTIONALLY LEFT BLANK

N

0 100 200 400 Feet

El Segundo Project Site
Concept Footprint

PAGE INTENTIONALLY LEFT BLANK



Ramona Park Project Site

N

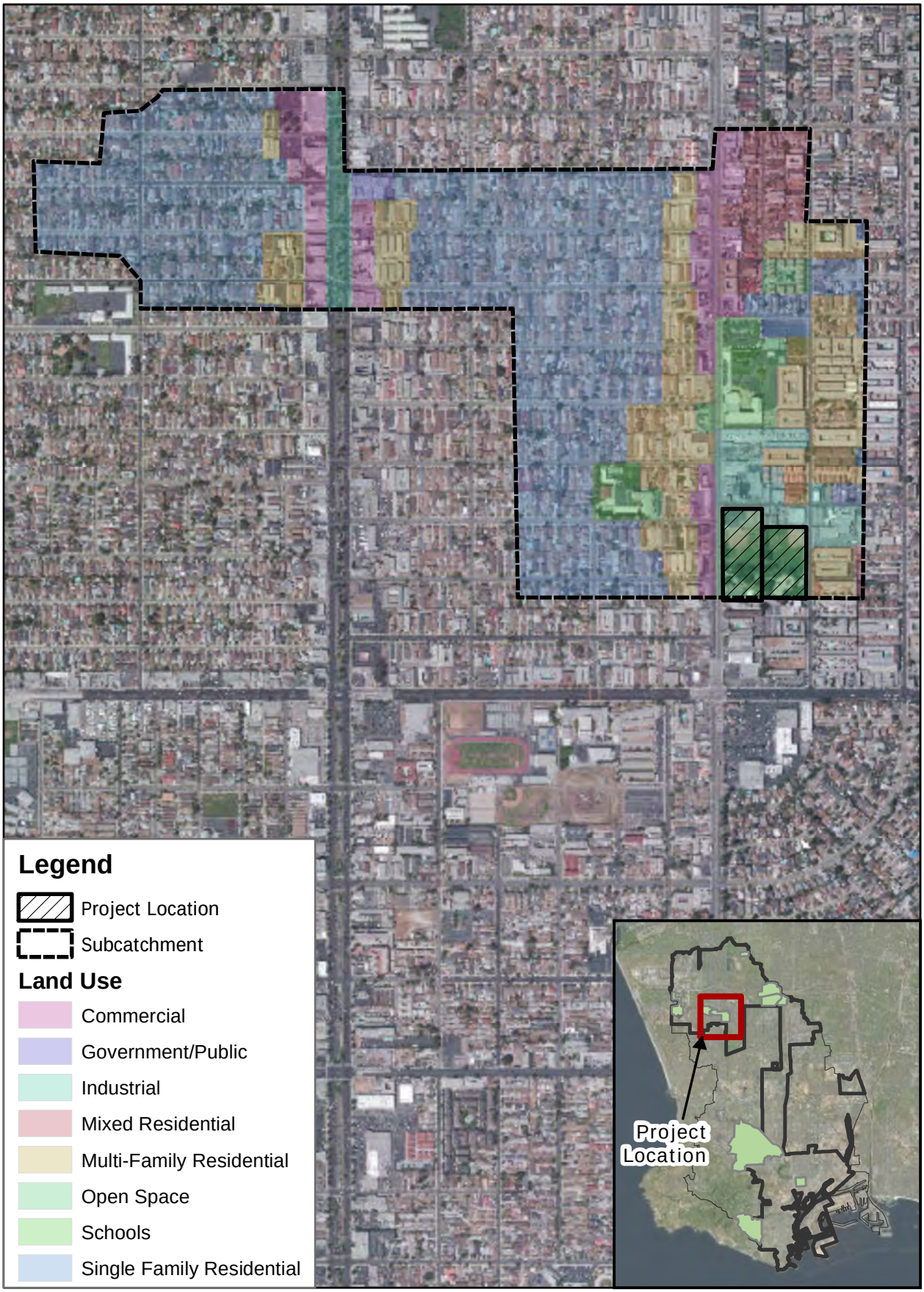
0 375 750 1,500

Feet

PAGE INTENTIONALLY LEFT BLANK

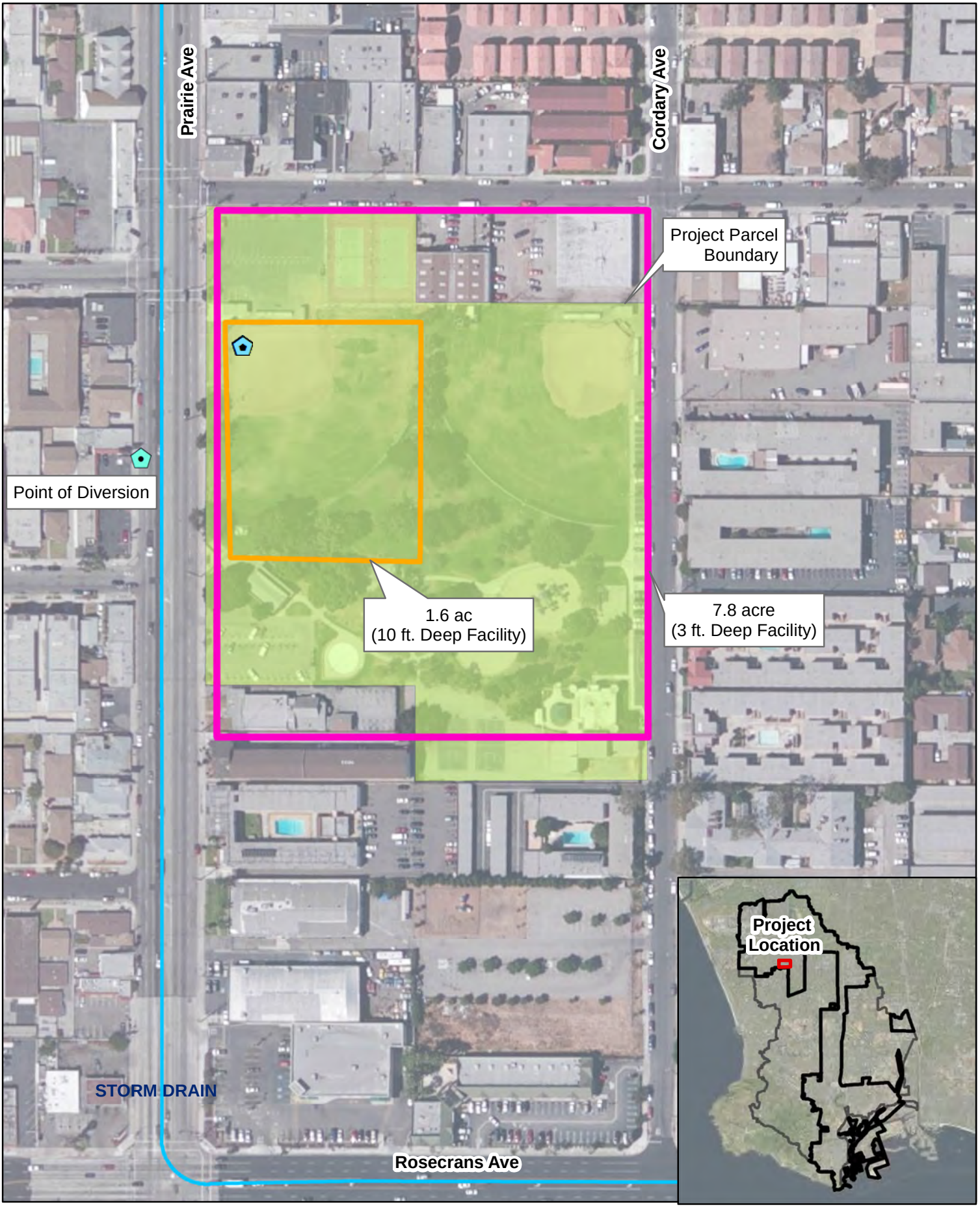
Ramona Park Project Site Concept Footprint

PAGE INTENTIONALLY LEFT BLANK



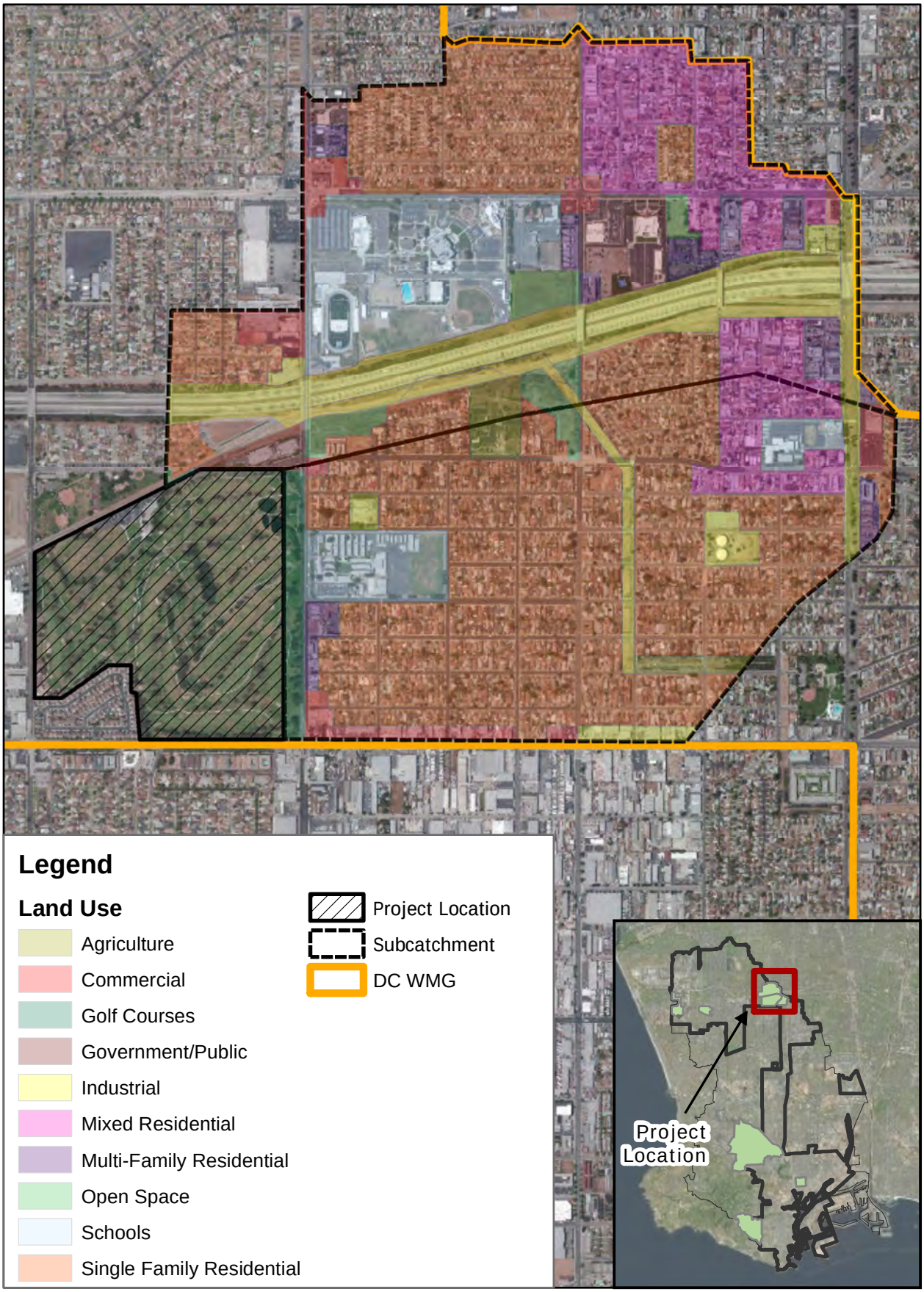
Jim Thorpe Park Project Site

PAGE INTENTIONALLY LEFT BLANK



Jim Thorpe Park Project Site Concept Footprint

PAGE INTENTIONALLY LEFT BLANK

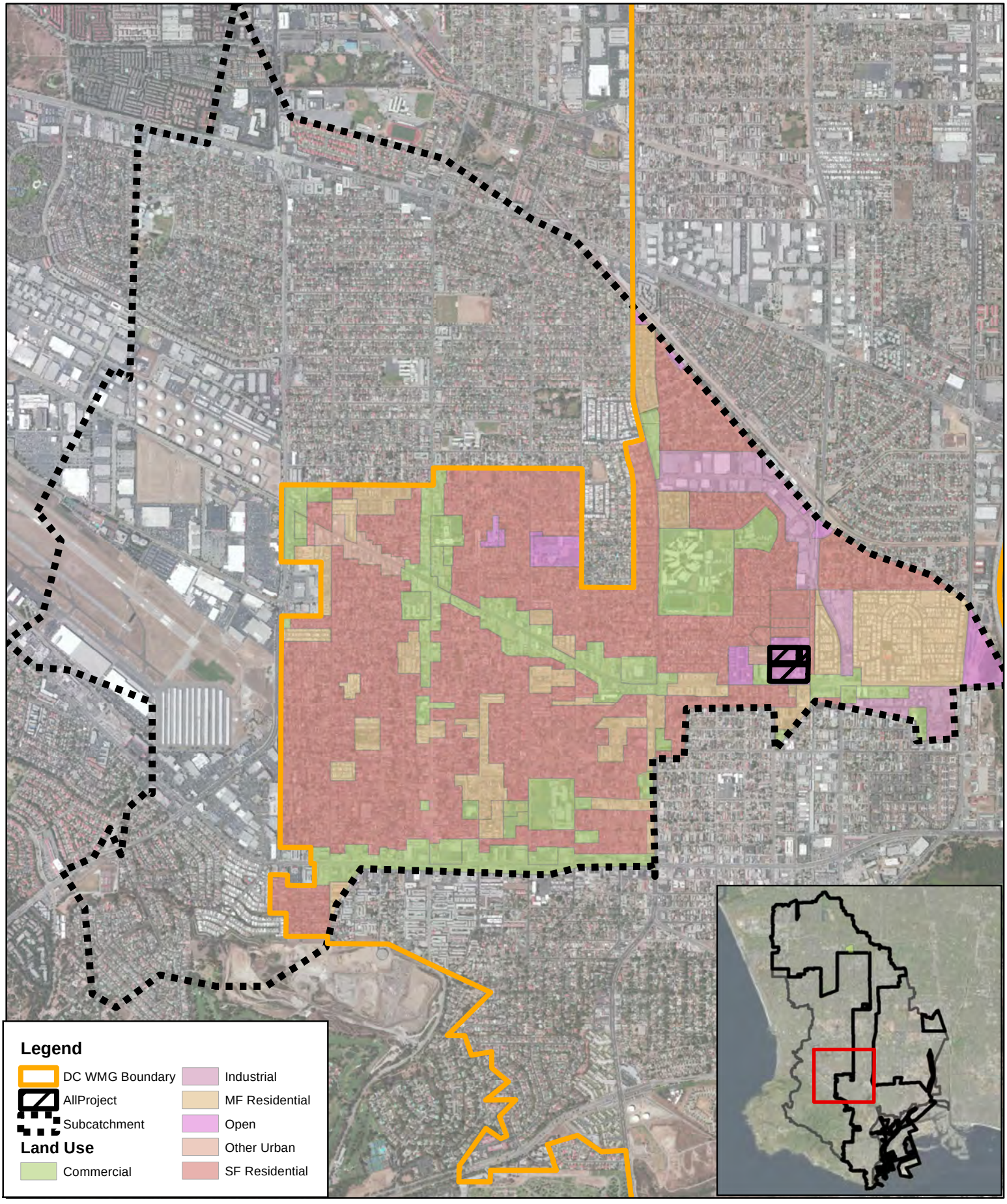


Chester Washington Golf Course Project Site

PAGE INTENTIONALLY LEFT BLANK

Chester Washington Golf Course Project Site
Concept Footprint

PAGE INTENTIONALLY LEFT BLANK

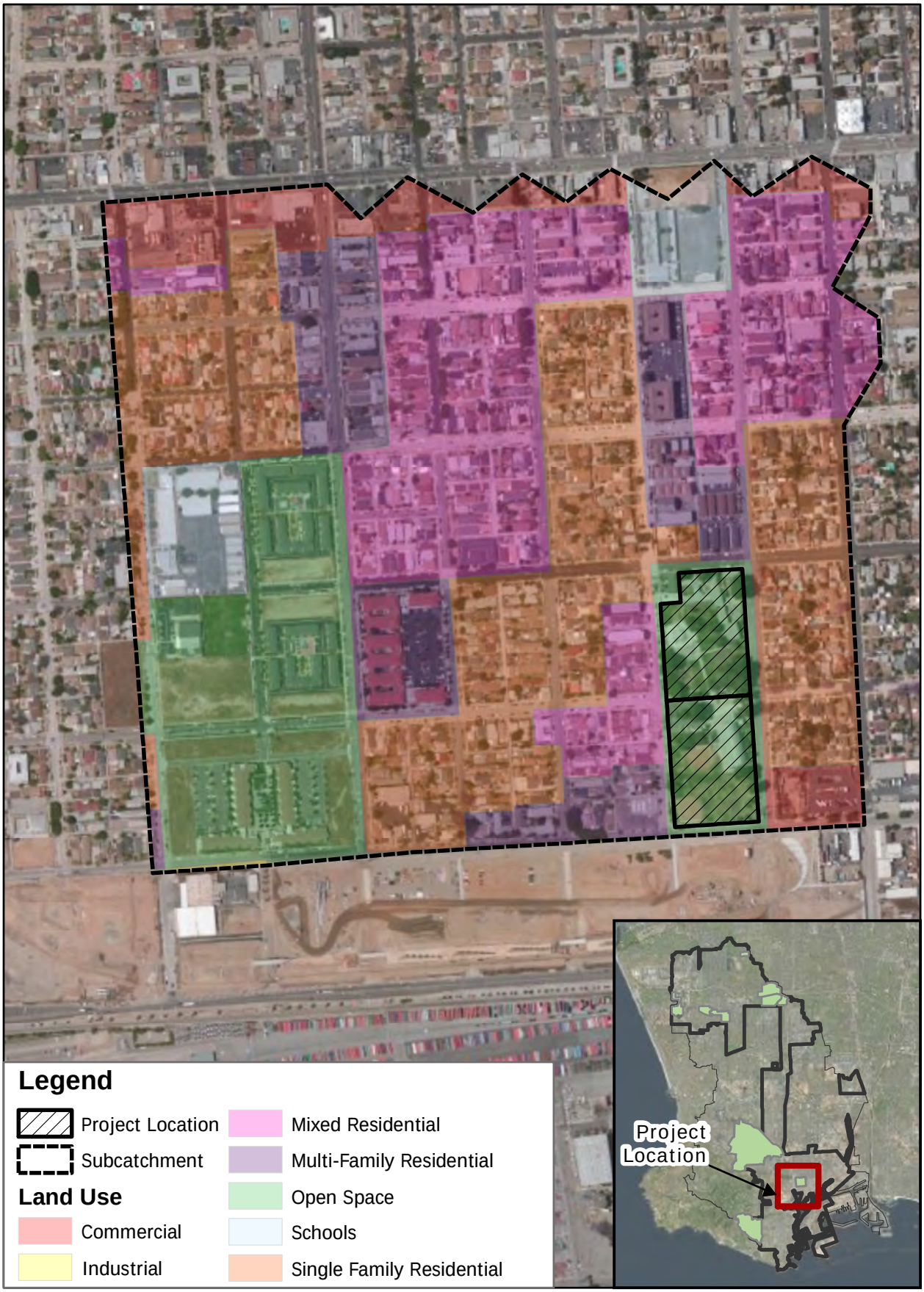


Harbor City Park Project Site

PAGE INTENTIONALLY LEFT BLANK

Harbor City Park Project Site Concept Footprint

PAGE INTENTIONALLY LEFT BLANK



Wilmington Recreation Center Project Site

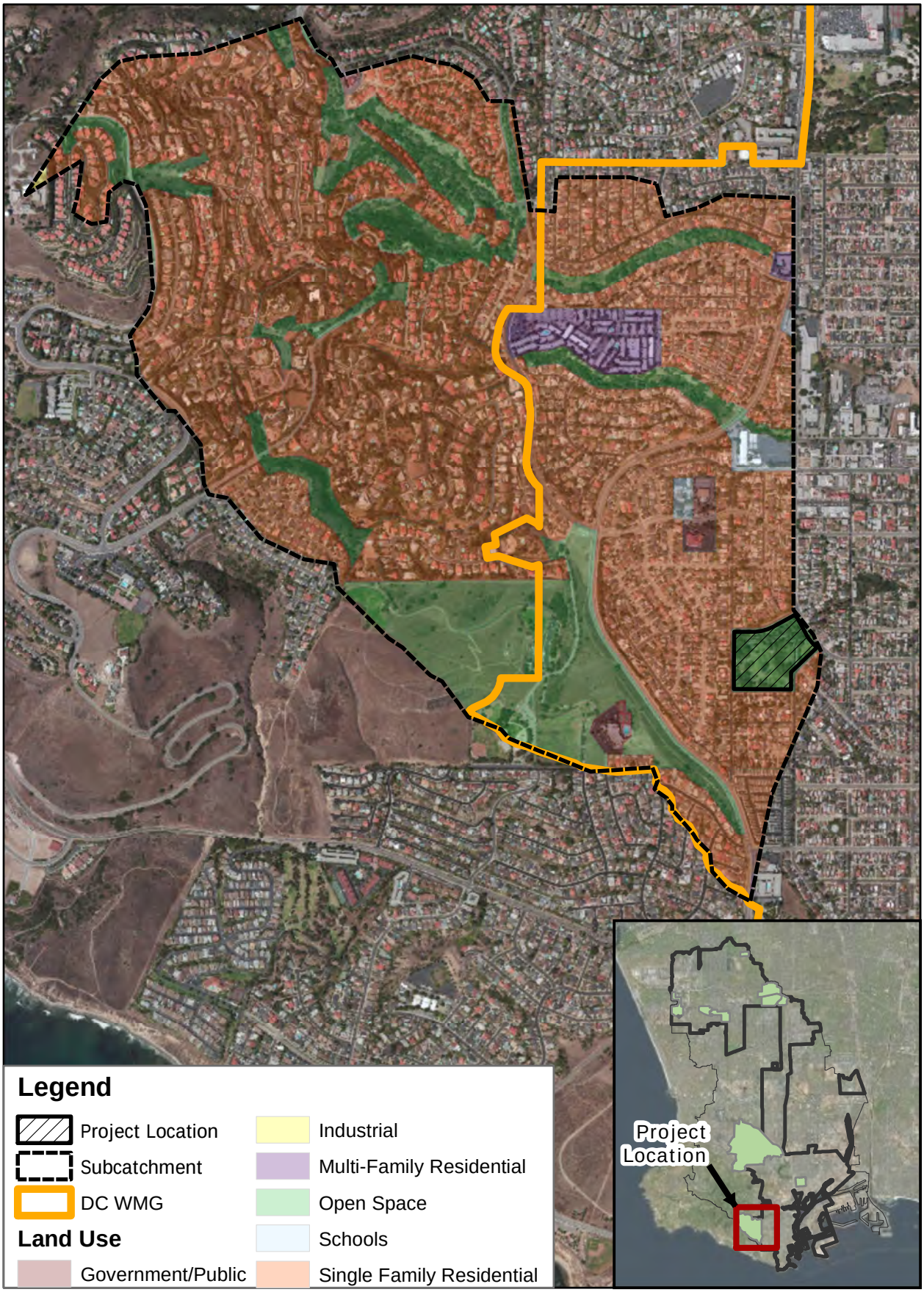
PAGE INTENTIONALLY LEFT BLANK

N

0 125 250 500 Feet

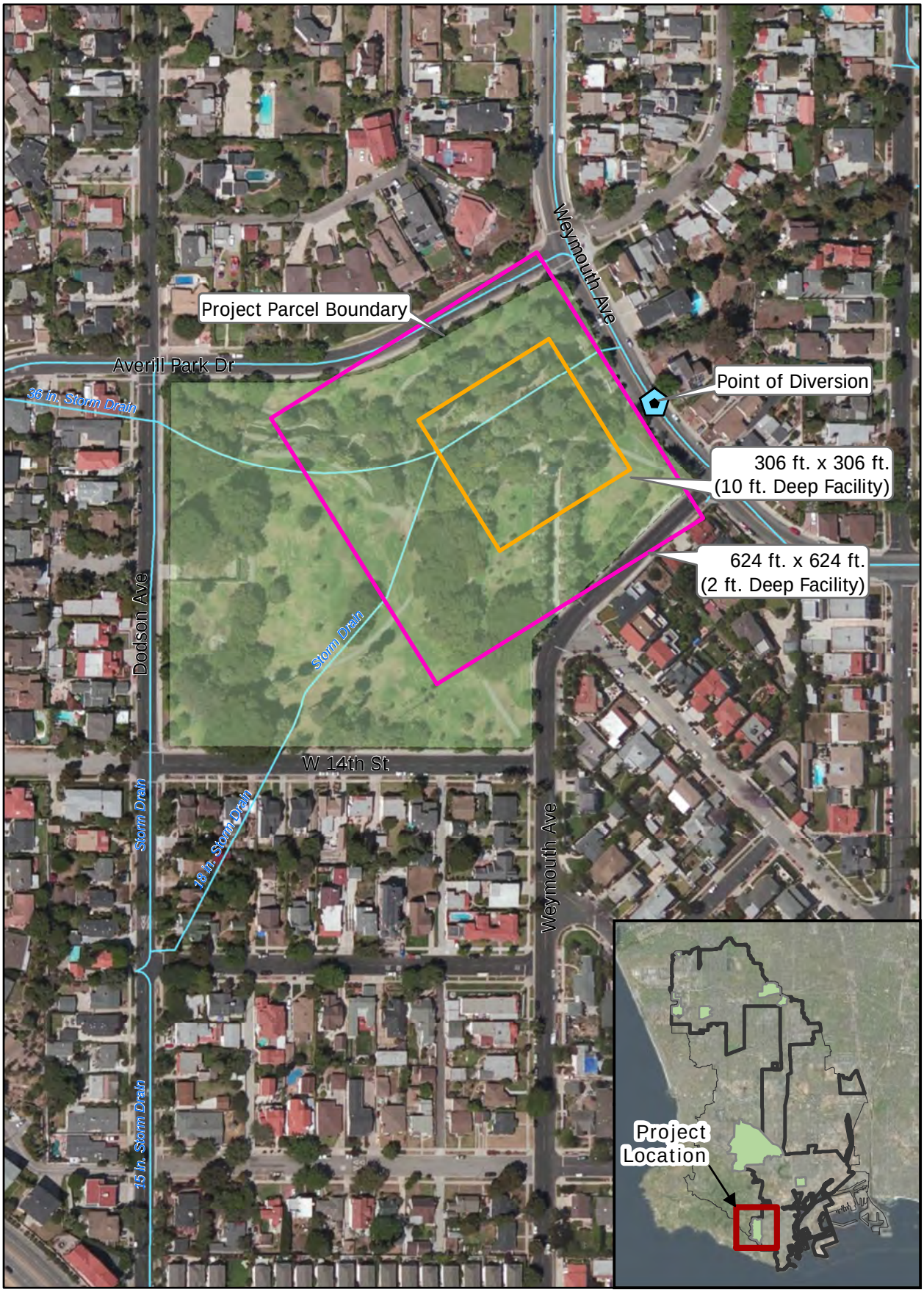
Wilmington Recreation Center Project Site
Concept Footprint

PAGE INTENTIONALLY LEFT BLANK



Averill Park Project Site

PAGE INTENTIONALLY LEFT BLANK

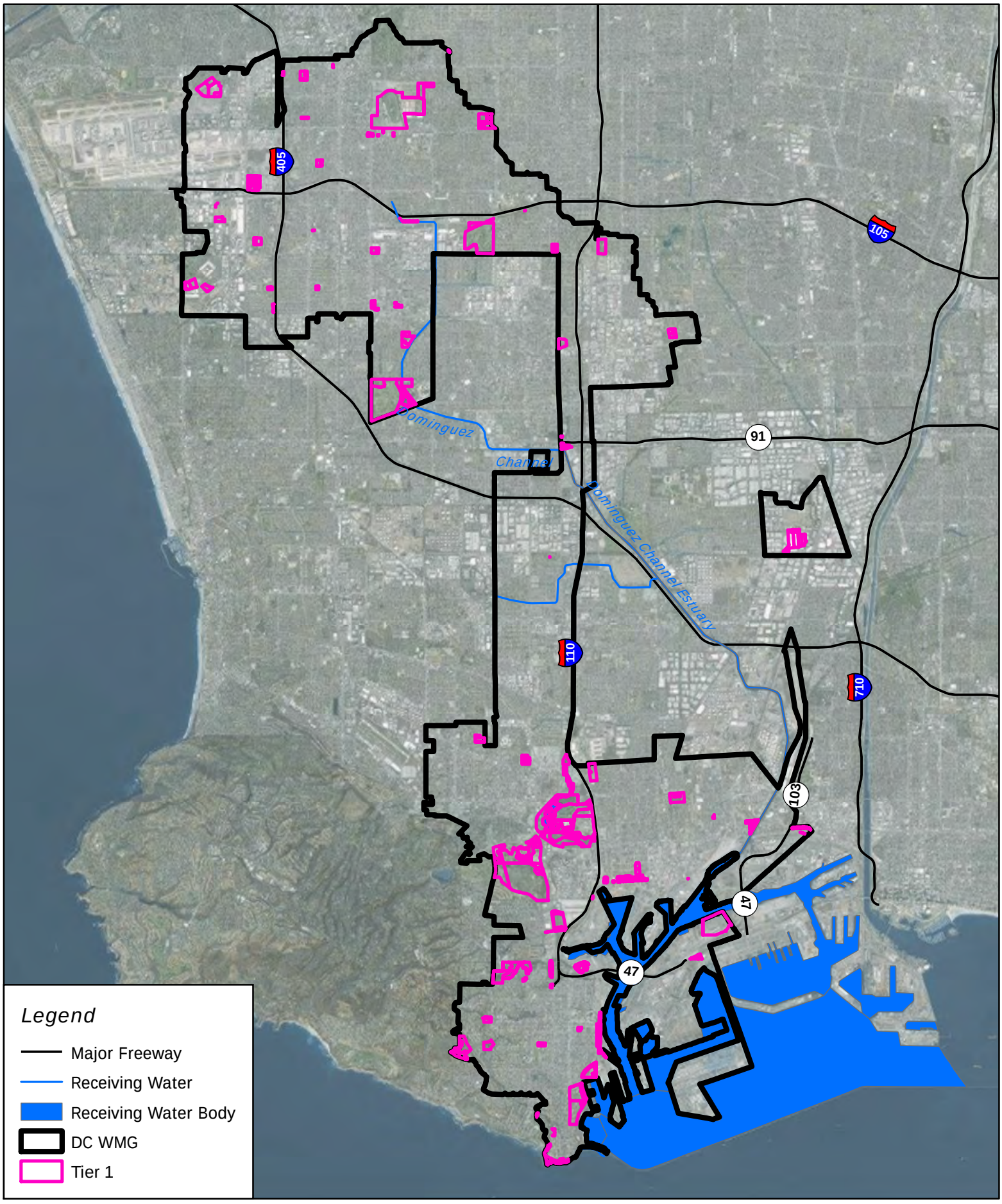


N

0 125 250 500 Feet

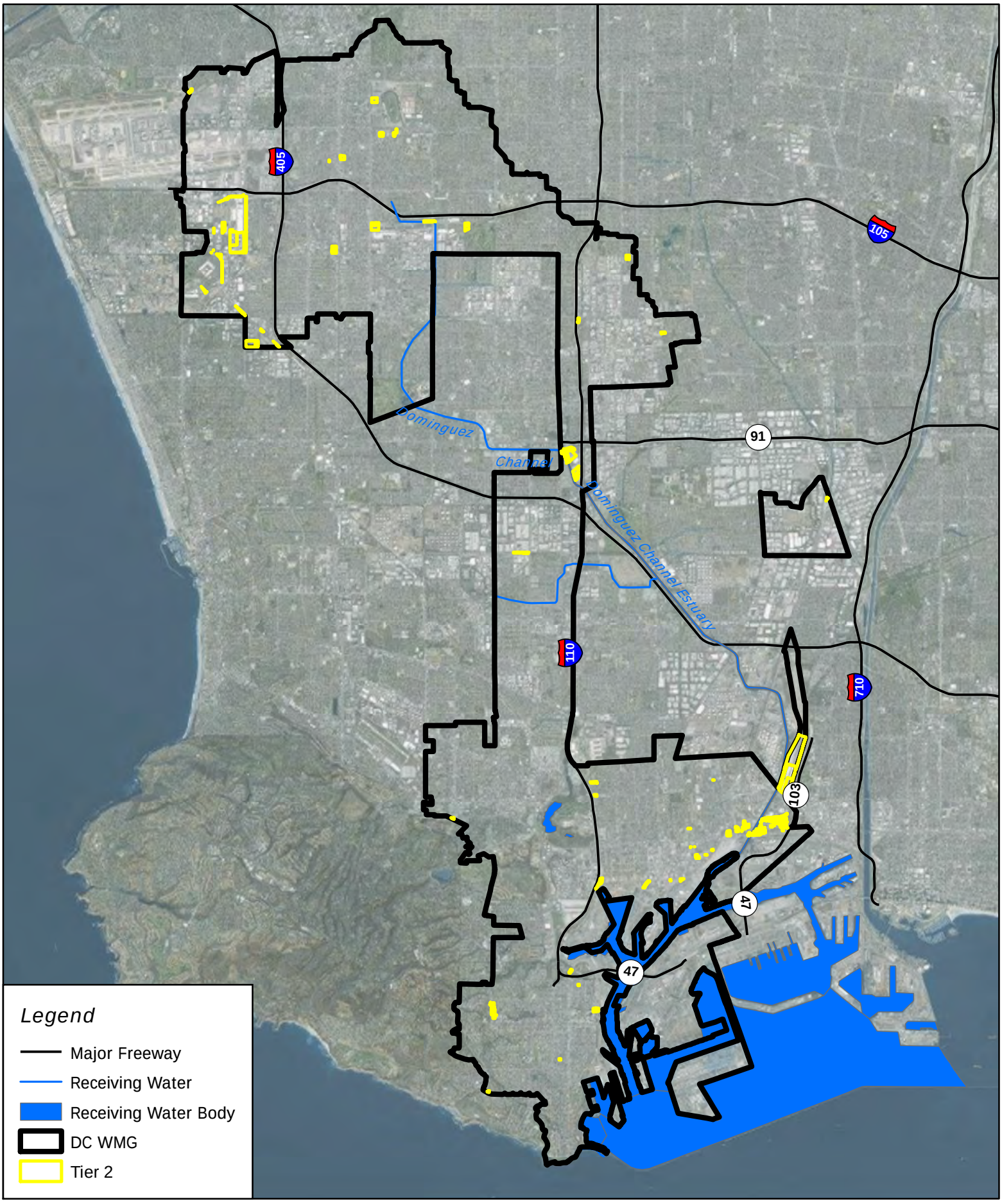
Averill Park Project Site
Concept Footprint

PAGE INTENTIONALLY LEFT BLANK



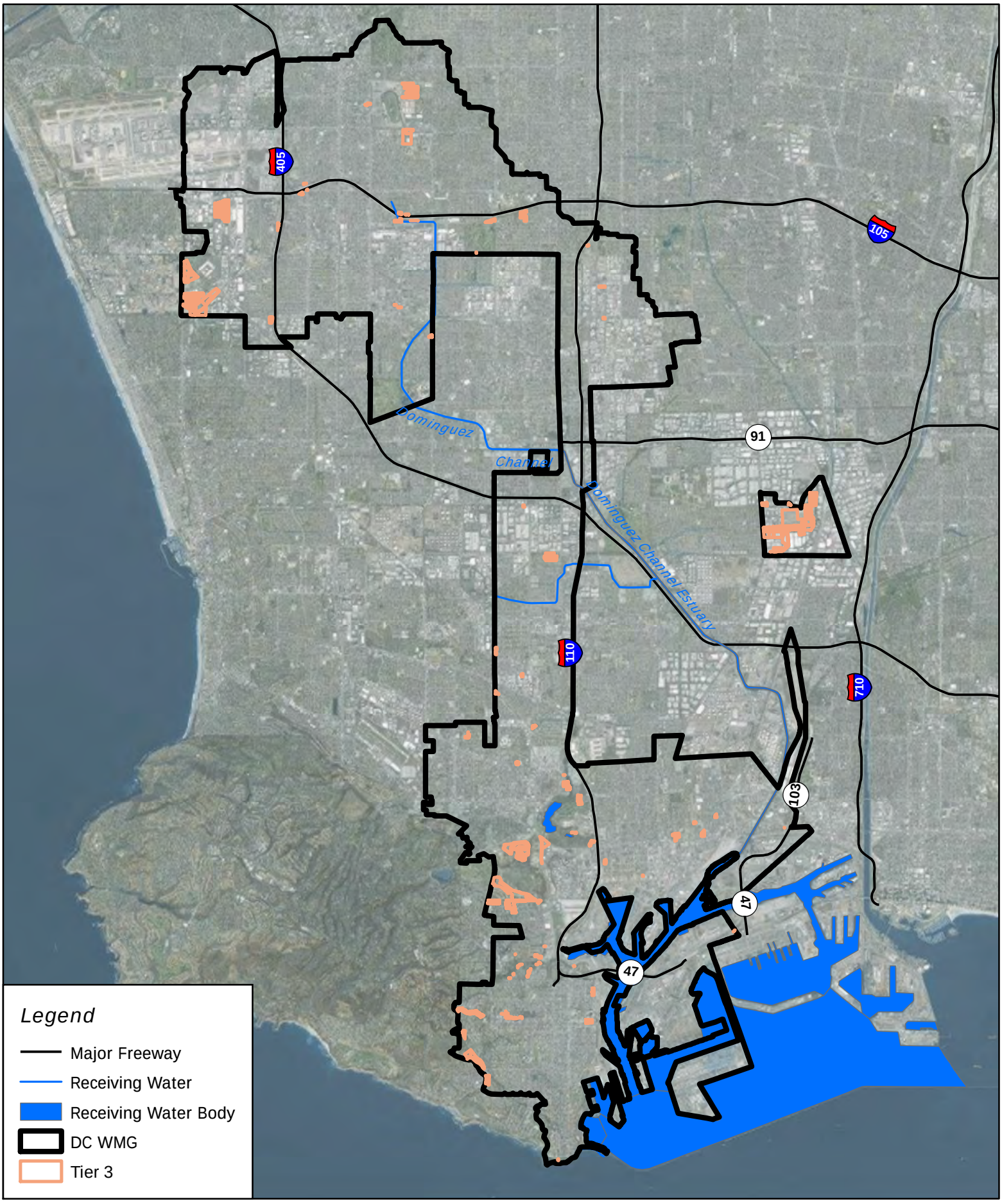
Tier 1 Parcels
Public Owned Open Space and Recreation

PAGE INTENTIONALLY LEFT BLANK



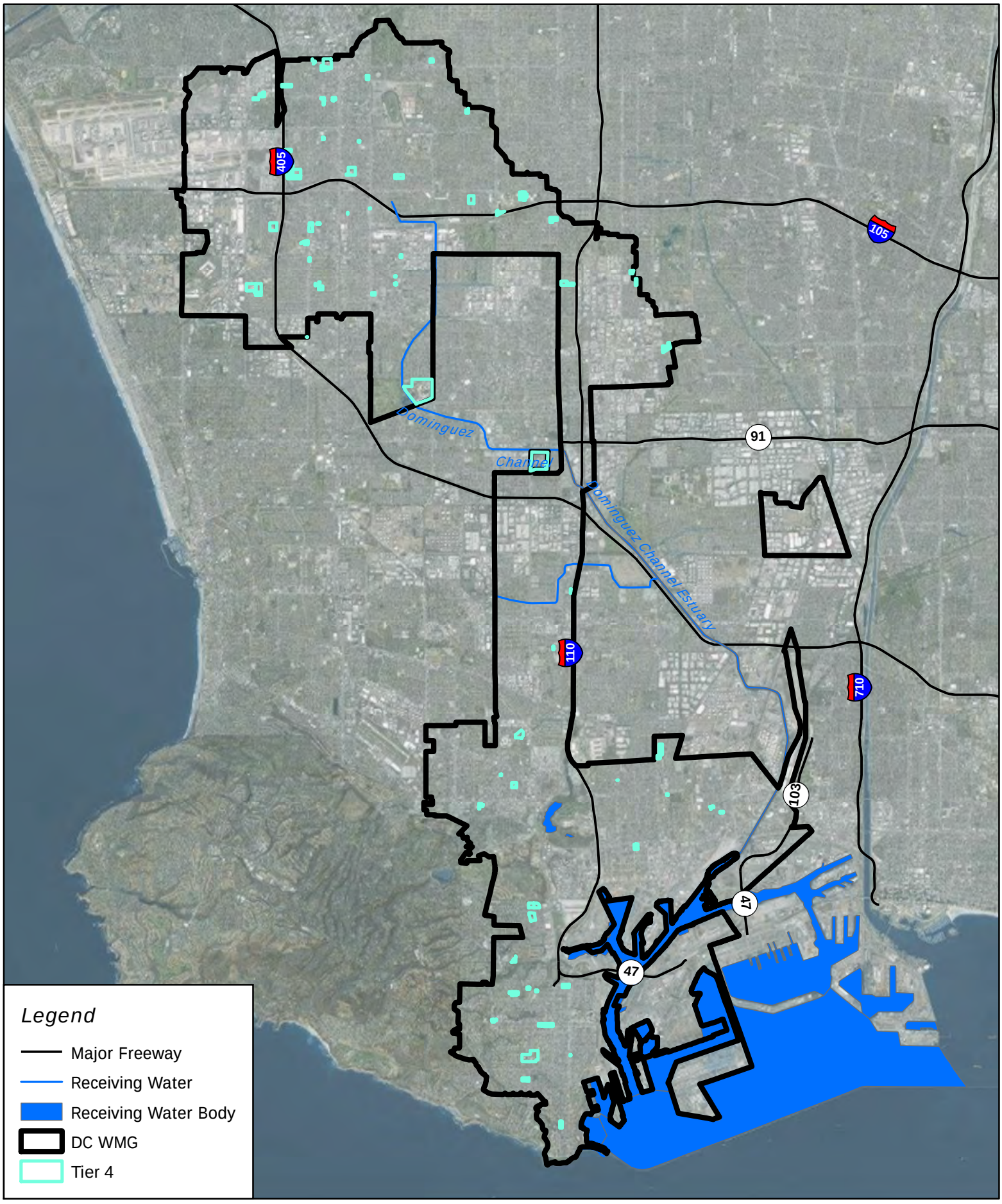
Tier 2 Parcels
Govenment Institution

PAGE INTENTIONALLY LEFT BLANK



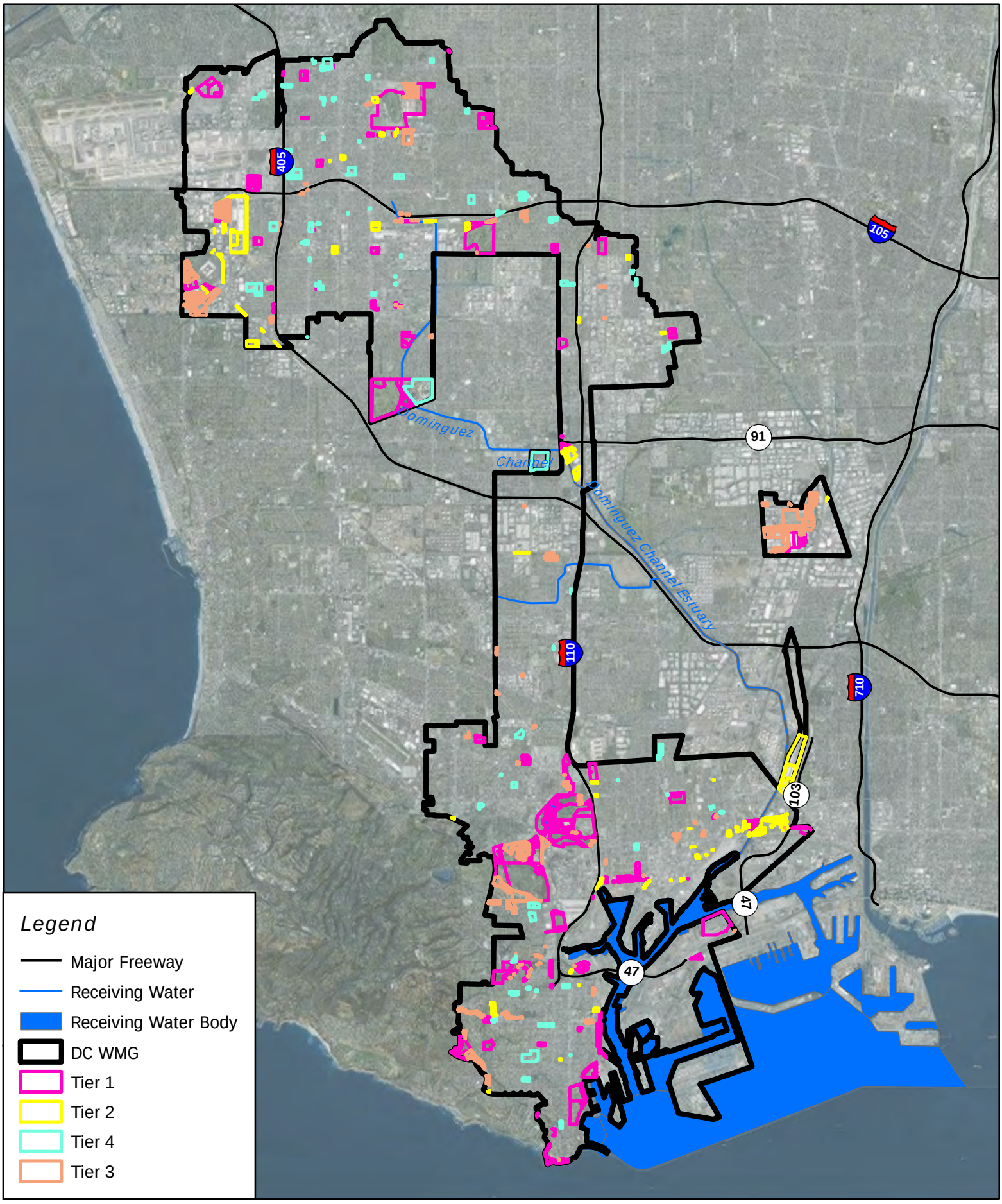
Tier 3 Parcels
Private Open Space and Golf Courses

PAGE INTENTIONALLY LEFT BLANK



Tier 4 Parcels
Educational Use

PAGE INTENTIONALLY LEFT BLANK



Tier 1 through 4

PAGE INTENTIONALLY LEFT BLANK

Attachment 2: Summary Tables For Each WMG Jurisdiction

PAGE INTENTIONALLY LEFT BLANK

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4057032900	**115.98**	**Vacant Undifferentiated**	**46**	**900s**	**1**	**Recommended--Chester Washington Golf Course**	**90.96**	**1930**	**120TH ST**	**County of Los Angeles**	**90047**
4057032910	**0.34**	**Golf Courses**	**40**	**900s**	**1**	**Part of Chester Washington Golf Course - Recommended**	**575.04**			**County of Los Angeles**	
4057032901	**9.60**	**Golf Courses**	**38**	**900s**	**1**	**Part of Chester Washington Golf Course - Recommended**	**65.71**			**County of Los Angeles**	
4071006900	20.16	Developed Local Parks and Recreation	45	900s	1	Bodgar Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself, but may be as large as 40 acres.	21.79			County of Los Angeles	
4057032909	6.73	Developed Local Parks and Recreation	45	900s	1	Holly Park. Area is too small to catch a sizable amount of runoff based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	343.74			County of Los Angeles	
4057032908	3.86	Developed Local Parks and Recreation	45	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	20.24			County of Los Angeles	
6079003906	4.80	Vacant Undifferentiated	44	900s	1	Vacant. Los Angeles Southwest College - privately owned	89.56			County of Los Angeles	
7409022900	3.49	Vacant Undifferentiated	44	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	8.22			County of Los Angeles	
7409009900	1.82	Vacant Undifferentiated	42	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
4037007902	1.84	Developed Local Parks and Recreation	41	900s	1	Lenox Park. Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the 1,200 acrea tributary area.	166.04			County of Los Angeles	
6079003907	1.27	Vacant Undifferentiated	41	900s	1	Los Angeles Southwest College - privately owned	0.75			County of Los Angeles	
4071007903	0.75	Developed Local Parks and Recreation	41	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
4071007904	0.68	Developed Local Parks and Recreation	41	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
4071007902	0.35	Developed Local Parks and Recreation	41	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
4071007901	0.35	Developed Local Parks and Recreation	41	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
7409020900	7.14	Vacant Undifferentiated	40	900s	1	Not Recommended - LACFCD Parcel. Part of a natural water body.	0.00			County of Los Angeles	
4074027908	202.89	Developed Local Parks and Recreation	39	900s	1	Drainage area not within WMG boundary	0.00			County of Los Angeles	
6089028908	2.15	Developed Local Parks and Recreation	39	900s	1	Not recommended--Helen Keller Park. Geotechnical investigations show that on-site storage is not feasible at this site.	318.45			County of Los Angeles	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
6089028905	1.37	Developed Local Parks and Recreation	38	900s	1	Not recommended--Helen Keller Park. Geotechnical investigations show that on-site storage is not feasible at this site.	344.08			County of Los Angeles	
6079002913	1.28	Vacant Undifferentiated	38	900s	1	Los Angeles Southwest College - privately owned	1,742.40			County of Los Angeles	
6089029901	1.17	Developed Local Parks and Recreation	38	900s	1	Not recommended--Helen Keller Park. Geotechnical investigations show that on-site storage is not feasible at this site.	225.03	1045	126TH ST	County of Los Angeles	90044
7318011907	17.69	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
7318011908	13.57	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	3.15			County of Los Angeles	
7318011909	7.81	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	3.85			County of Los Angeles	
4057031906	0.35	Vacant Undifferentiated	37	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,587.90			County of Los Angeles	
4057031907	0.34	Vacant Undifferentiated	37	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,567.02			County of Los Angeles	
4140016948	4.14	Other Open Space and Recreation	36	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,647.98			County of Los Angeles	
6089021901	1.76	Developed Local Parks and Recreation	36	900s	1	Not recommended--Helen Keller Park. Geotechnical investigations show that on-site storage is not feasible at this site.	640.49	1045	126TH ST	County of Los Angeles	90044
7318011910	6.33	Vacant Undifferentiated	35	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
6137005903	0.97	Vacant Undifferentiated	34	900s	1	Roy Campanella Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	58.51			County of Los Angeles	
4034032903	2.47	Police and Sheriff Stations	35	900s	2	Potential	1,374.54			County of Los Angeles	
7409022037	1.23	Vacant Undifferentiated	38		3	Potential	191.77			County of Los Angeles	
6079002805	2.01	Vacant Undifferentiated	37		3	Potential	389.06			County of Los Angeles	
7452030021	3.76	Vacant Undifferentiated	36		3	Potential	343.28			County of Los Angeles	
7318009034	4.78	Vacant Undifferentiated	35		3	Potential	335.72			County of Los Angeles	
4057031800	2.68	Vacant Undifferentiated	35		3	Potential	1,479.87			County of Los Angeles	
6079005026	1.30	Vacant Undifferentiated	35		3	Potential	52.26			County of Los Angeles	
4071018027	0.93	Vacant Undifferentiated	35		3	Potential	686.02			County of Los Angeles	
6079002804	0.38	Vacant Undifferentiated	35		3	Potential	351.56			County of Los Angeles	
7348008044	3.45	Vacant Undifferentiated	34		3	Potential	327.70			County of Los Angeles	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4039017092	2.35	Vacant Undifferentiated	34		3	Potential	935.04			County of Los Angeles	
4057031037	1.25	Vacant Undifferentiated	34		3	Potential	1,371.84			County of Los Angeles	
6079005022	0.94	Vacant Undifferentiated	34		3	Potential	144.22			County of Los Angeles	
6079002081	0.53	Vacant Undifferentiated	34		3	Potential	453.25			County of Los Angeles	
6079005027	0.35	Vacant Undifferentiated	34		3	Potential	1.24			County of Los Angeles	
6079002026	0.28	Vacant Undifferentiated	34		3	Potential	596.50			County of Los Angeles	
6089029031	0.25	Developed Local Parks and Recreation	34		3	Potential	131.55			County of Los Angeles	
7452033031	1.50	Vacant Undifferentiated	33		3	Potential	434.90			County of Los Angeles	
7452033029	1.64	Vacant Undifferentiated	32		3	Potential	764.07			County of Los Angeles	
7409020010	0.83	Vacant Undifferentiated	32		3	Potential	160.47			County of Los Angeles	
7452023001	0.61	Vacant Undifferentiated	32		3	Potential	29.16			County of Los Angeles	
7452024029	0.39	Vacant Undifferentiated	32		3	Potential	0.00			County of Los Angeles	
7452025039	0.33	Vacant Undifferentiated	32		3	Potential	0.00			County of Los Angeles	
6137005036	1.49	Vacant Undifferentiated	31		3	Potential	0.00			County of Los Angeles	
6137035271	1.19	Developed Local Parks and Recreation	31	270-99	3	Potential	33.61			County of Los Angeles	
7452030015	0.88	Vacant Undifferentiated	31		3	Potential	694.97			County of Los Angeles	
6079002029	0.30	Vacant Undifferentiated	31		3	Potential	1,294.31			County of Los Angeles	
7348017001	2.62	Vacant Undifferentiated	30		3	Potential	876.46			County of Los Angeles	
7348017002	0.90	Vacant Undifferentiated	27		3	Potential	1,066.17			County of Los Angeles	
6079002270	3.86	Vacant Undifferentiated	37	270-99	3	Parcel has too high of a percentage of building cover based on visual inspection.	512.04			County of Los Angeles	
4071007053	0.79	Developed Local Parks and Recreation	37		3	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
4071007030	0.35	Developed Local Parks and Recreation	37		3	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
4071007019	0.31	Developed Local Parks and Recreation	37		3	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			County of Los Angeles	
7409020009	10.30	Vacant Undifferentiated	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	123.50			County of Los Angeles	
6079002064	4.75	Vacant Undifferentiated	33		3	Parcel has too high of a percentage of building cover based on visual inspection.	614.84			County of Los Angeles	
7318023075	3.10	Vacant Undifferentiated	33		3	Parcel has too high of a percentage of building cover based on visual inspection.	482.25			County of Los Angeles	
4057031034	0.28	Vacant Undifferentiated	33		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,509.09			County of Los Angeles	
7318009124	6.28	Vacant Undifferentiated	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	475.90			County of Los Angeles	
7318023033	2.54	Vacant Undifferentiated	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	465.34			County of Los Angeles	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
6139010013	0.93	Vacant Undifferentiated	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	65.47			County of Los Angeles	
7318010042	8.71	Developed Local Parks and Recreation	31		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,117.24			County of Los Angeles	
6139010012	0.93	Vacant Undifferentiated	31		3	Parcel has too high of a percentage of building cover based on visual inspection.	210.63			County of Los Angeles	
7318010026	2.30	Vacant Undifferentiated	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,009.29			County of Los Angeles	
4140016165	1.74	Other Open Space and Recreation	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,577.71			County of Los Angeles	
7452032001	0.70	Vacant Undifferentiated	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,068.57			County of Los Angeles	
6132007003	0.47	Vacant Undifferentiated	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	229.45			County of Los Angeles	
7318023044	0.47	Vacant Undifferentiated	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	694.01			County of Los Angeles	
7318010040	0.49	Vacant Undifferentiated	28		3	Parcel has too high of a percentage of building cover based on visual inspection.	477.00			County of Los Angeles	
7318011809	3.33	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	160.40			County of Los Angeles	
6129001052	0.87	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,025.23			County of Los Angeles	
6129001035	0.51	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,072.91			County of Los Angeles	
7318009126	0.50	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,414.30			County of Los Angeles	
6129001051	0.36	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,030.21			County of Los Angeles	
6132017803	1.13	Developed Local Parks and Recreation	26		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,489.72			County of Los Angeles	
6132017805	1.02	Developed Local Parks and Recreation	26		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,450.31			County of Los Angeles	
6132017804	0.46	Developed Local Parks and Recreation	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,595.36			County of Los Angeles	
7318019046	0.35	Vacant Undifferentiated	22		3	Parcel has too high of a percentage of building cover based on visual inspection.	2.82			County of Los Angeles	
6079001904	45.47	College/Universities (Vacant Undifferentiated)	42	900s	4	Los Angeles Southwest College - privately owned	542.98			County of Los Angeles	
6079002918	9.83	College/Universities (Vacant Undifferentiated)	42	900s	4	Los Angeles Southwest College - privately owned	545.82			County of Los Angeles	
4074027907	17.32	Developed Regional Parks and Recreation	40	900s	4	El Camino College - privately owned and open space.	0.00			County of Los Angeles	

Los Angeles County

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
6079002917	4.57	Colleges and Universities	36	900s	4	Parcel is part of a school	548.49			County of Los Angeles	
4074027906	80.94	Colleges and Universities	35	900s	4	Parcel has too high of a percentage of building cover based on visual inspection.	49.24			County of Los Angeles	
4039026900	7.42	Junior or Intermediate High Schools	33	900s	4	Parcel has too high of a percentage of building cover based on visual inspection.	664.90			County of Los Angeles	
4039021900	5.87	Junior or Intermediate High Schools	33	900s	4	Parcel is part of a school	757.62			County of Los Angeles	
6079001905	3.21	Colleges and Universities	32	900s	4	Parcel has too high of a percentage of building cover based on visual inspection.	2,284.07			County of Los Angeles	
4039009902	6.07	Junior or Intermediate High Schools	31	900s	4	Parcel is part of a school	1,633.15			County of Los Angeles	
4039022901	4.38	Junior or Intermediate High Schools	31	900s	4	Parcel is part of a school	1,329.52			County of Los Angeles	
4039020900	0.62	Junior or Intermediate High Schools	31	900s	4	Parcel has too high of a percentage of building cover based on visual inspection.	664.92			County of Los Angeles	
6079002272	0.57	Colleges and Universities	31	270-99	4	Parcel is part of a school	1,892.27			County of Los Angeles	
6079002916	0.27	Colleges and Universities	31	900s	4	Parcel is part of a school	2,186.33			County of Los Angeles	
6079002271	1.71	Colleges and Universities	30	270-99	4	Parcel is part of a school	1,875.73			County of Los Angeles	
6130015902	9.77	Junior or Intermediate High Schools	29	900s	4	Parcel is part of a school	313.82			County of Los Angeles	
4039023900	1.35	Junior or Intermediate High Schools	28	900s	4	Parcel is part of a school	1,486.91			County of Los Angeles	
6130015900	1.78	Junior or Intermediate High Schools	26	900s	4	Parcel is part of a school	338.52			County of Los Angeles	
6130015901	1.57	Junior or Intermediate High Schools	23	900s	4	Parcel is part of a school	896.51			County of Los Angeles	

City of Los Angeles

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7560023900	**10.75**	**Developed Local Parks and Recreation**	**42**	**900s**	**1**	**Recommended - Averill Park**	**0.00**			**Los Angeles CA**	
7439027902	**2.97**	**Developed Local Parks and Recreation**	**38**	**900s**	**1**	**Recommended - Harbor City Park**	**1,988.97**			**Los Angeles CA**	
7439027904	**2.80**	**Developed Local Parks and Recreation**	**38**	**900s**	**1**	**Recommended - Harbor City Park**	**1,901.09**			**Los Angeles CA**	
7439027900	**1.75**	**Developed Local Parks and Recreation**	**37**	**900s**	**1**	**Recommended - Harbor City Park**	**1,865.24**			**Los Angeles CA**	
7439027906	**0.75**	**Developed Local Parks and Recreation**	**36**	**900s**	**1**	**Recommended - Harbor City Park**	**2,403.39**			**Los Angeles CA**	
7439027903	**1.10**	**Developed Local Parks and Recreation**	**37**	**900s**	**1**	**Recommended - Harbor City Park. Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.**	**2,432.18**	**1309**	**LOMITA BLVD**	**Los Angeles CA**	**90717**
7417020900	**3.76**	**Developed Local Parks and Recreation**	**38**	**900s**	**1**	**Recommended- Part of Wilmington Recreation Center. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**0.00**			**Los Angeles CA**	
7417021900	**3.55**	**Developed Local Parks and Recreation**	**38**	**900s**	**1**	**Recommended- Part of Wilmington Recreation Center. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**2.98**			**Los Angeles CA**	
7417001903	0.27	Vacant Undifferentiated	43	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	380.63			Los Angeles CA	
7417001910	0.28	Vacant Undifferentiated	42	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	433.30	251	MAR VISTA AVE	Los Angeles CA	90744
7417001915	0.42	Vacant Undifferentiated	39	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	185.61	221	MAR VISTA AVE	Los Angeles CA	90744
7417001904	0.30	Vacant Undifferentiated	38	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	264.08			Los Angeles CA	
7418036900	0.43	Vacant Undifferentiated	35	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	825.51	501	B ST	Los Angeles CA	95648
7417018919	0.43	Vacant Undifferentiated	35	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	34.84			Los Angeles CA	
7417018917	0.43	Vacant Undifferentiated	35	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	34.84			Los Angeles CA	
7417008902	0.29	Vacant Undifferentiated	35	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	960.59	1109	HARRY BRIDGES BLVD	Los Angeles CA	90744
7417019925	1.69	Vacant Undifferentiated	34	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	427.53	628	C ST	Los Angeles CA	90744
7418036901	1.27	Vacant Undifferentiated	34	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	561.50			Los Angeles CA	
7417019924	1.17	Vacant Undifferentiated	34	900s	1	Part of Wilmington Recreation Center/Park--can be used	597.54	601	B ST	Los Angeles CA	95648

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
						as a substitute					
7417018918	0.42	Vacant Undifferentiated	34	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	205.22			Los Angeles CA	
7417018916	0.42	Vacant Undifferentiated	34	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	205.21			Los Angeles CA	
7417019916	0.29	Vacant Undifferentiated	34	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	201.29	221	BAY VIEW AVE	Los Angeles CA	90744
7417018900	0.89	Vacant Undifferentiated	33	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	591.53			Los Angeles CA	
7417018901	0.86	Vacant Undifferentiated	33	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	431.19			Los Angeles CA	
7417018907	0.37	Vacant Undifferentiated	33	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	597.23			Los Angeles CA	
7417018908	0.36	Vacant Undifferentiated	33	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	431.23	221	GULF AVE	Los Angeles CA	90744
7418035908	0.28	Vacant Undifferentiated	32	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	603.35	216	LAGOON AVE	Los Angeles CA	90744
7418036902	0.35	Vacant Undifferentiated	31	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	829.35	217	LAGOON AVE	Los Angeles CA	90744
7417009905	0.33	Vacant Undifferentiated	30	900s	1	Part of Wilmington Recreation Center/Park--can be used as a substitute	1,002.76	1032	C ST	Los Angeles CA	90744
6121019904	9.23	Bus Terminals and Yards	39	900s	2	Potential	110.70	731	182ND ST	Los Angeles CA	90248
6121020906	4.78	Bus Terminals and Yards	39	900s	2	Potential	125.59			Los Angeles CA	
7351019904	2.89	Electrical Power Facilities	38	900s	2	Potential	655.43			Los Angeles CA	
7414022902	1.75	Other Special Use Facilities	38	900s	2	Potential	416.55			Los Angeles CA	
6121018906	2.65	Bus Terminals and Yards	37	900s	2	Potential	105.02			Los Angeles CA	
6121020905	2.00	Bus Terminals and Yards	37	900s	2	Potential	130.09			Los Angeles CA	
7455027932	1.46	Other Special Use Facilities	37	900s	2	Potential	40.53			Los Angeles CA	
7424024901	0.33	Open Storage	37	900s	2	Potential	206.04			Los Angeles CA	
6121020908	1.59	Bus Terminals and Yards	36	900s	2	Potential	125.87			Los Angeles CA	
7440006937	1.54	Open Storage	36	900s	2	Potential	424.85			Los Angeles CA	
7440006927	1.54	Open Storage	36	900s	2	Potential	424.85			Los Angeles CA	
6121018905	1.20	Bus Terminals and Yards	36	900s	2	Potential	144.61			Los Angeles CA	
7428026939	0.89	Open Storage	35	900s	2	Potential	99.14			Los Angeles CA	
7428026938	0.89	Open Storage	35	900s	2	Potential	99.14			Los Angeles CA	
6121019905	0.59	Bus Terminals and Yards	35	900s	2	Potential	133.10			Los Angeles CA	
7428025905	0.44	Open Storage	34	900s	2	Potential	279.18			Los Angeles CA	
7428025918	0.33	Open Storage	34	900s	2	Potential	312.61			Los Angeles CA	
7428021917	0.33	Open Storage	34	900s	2	Potential	309.91			Los Angeles CA	
7428021921	0.33	Open Storage	34	900s	2	Potential	309.91			Los Angeles CA	

City of Los Angeles

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4124002916	1.05	Other Public Facilities	31	900s	2	Potential	455.20			Los Angeles CA	
7414023902	0.63	Park-and-Ride Lots	30	900s	2	Potential	614.60	1345	PACIFIC COAST HWY	Los Angeles CA	90744
7448025900	0.90	Non-Attended Public Parking Facilities	21	900s	2	Potential	1,434.21			Los Angeles CA	
7454022900	**3.59**	**Developed Local Parks and Recreation**	**36**	**900s**	**1**	**Viable Alternative - Daniels Field Sports Center. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**2,145.02**			**Los Angeles CA**	
7462026900	**1.32**	**Developed Local Parks and Recreation**	**34**	**900s**	**1**	**Viable Alternative - Alma Park. Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.**	**1,428.06**			**Los Angeles CA**	
7446019901	**1.14**	**Developed Local Parks and Recreation**	**34**	**900s**	**1**	**Viable alternative - Rena Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**1,185.75**			**Los Angeles CA**	
7438017904	9.50	Vacant Undifferentiated	46	900s	1	Entirely paved based on visual inspection.	370.04			Los Angeles CA	
7351034901	5.93	Vacant Undifferentiated	46	900s	1	Area too small to use based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	44.38			Los Angeles CA	
7440016907	16.13	Vacant Undifferentiated	43	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	0.00			Los Angeles CA	
7445018900	6.99	Vacant Undifferentiated	42	900s	1	Near watershed jurisdiction boundary and would most likely receive runoff from outside of jurisdiction. Also, site has steep terrain and is mostly paved based on visual inspections. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	87.09	1214	PARK WESTERN PL	Los Angeles CA	90732
4037005900	3.59	Developed Local Parks and Recreation	42	900s	1	Lenox Park. Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the 1,200 acrea tributary area.	334.01	10828	CONDON AVE	LENNOX CA	90304
7440020910	4.97	Vacant Undifferentiated	41	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	40.48			Los Angeles CA	
7428027900	4.87	Vacant Undifferentiated	41	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
7438017903	0.93	Vacant Undifferentiated	41	900s	1	Entirely paved based on visual inspection.	174.94			Los Angeles CA	
7412015900	76.21	Developed Regional Parks and Recreation	40	900s	1	Part of Harbor Lake	0.00			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7440005921	47.79	Vacant Undifferentiated	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	0.00	195	MC FARLAND AVE	Los Angeles CA	90733
7440036907	36.97	Developed Local Parks and Recreation	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	177.34			Los Angeles CA	
7440035904	23.54	Other Open Space and Recreation	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	120.97			Los Angeles CA	
7422017900	21.09	Developed Local Parks and Recreation	40	900s	1	Banning Park. Only on-site runoff can be treated, which will be occuring anyway.	1,575.91	415	M ST	WILMINGTON CA	90744
7414002903	18.75	Developed Local Parks and Recreation	40	900s	1	Only on-site runoff can be treated, which will be occuring anyway.	0.00	1700	FIGUEROA ST	Los Angeles CA	90015
7440030906	11.71	Developed Local Parks and Recreation	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	152.83			Los Angeles CA	
7440036906	11.63	Developed Local Parks and Recreation	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	198.54			Los Angeles CA	
7440036904	8.53	Other Open Space and Recreation	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	0.00			Los Angeles CA	
7347004901	7.98	Developed Local Parks and Recreation	40	900s	1	Normandal Recreation Center. Would receive mostly runoff from outside watershed jurisdiction boundary based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,465.39			Los Angeles CA	
7440021910	4.18	Vacant Undifferentiated	40	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	373.61			Los Angeles CA	
7425023910	0.56	Developed Local Parks and Recreation	40	900s	1	Entirely paved based on visual inspection.	30.08			Los Angeles CA	
7412010903	160.41	Developed Regional Parks and Recreation	39	900s	1	Part of Harbor Lake	0.00	25860	VERMONT AVE	Los Angeles CA	90710
7412012902	64.88	Vacant Undifferentiated	39	900s	1	Part of Harbor Lake	213.28	1111	FIGUEROA TER	Los Angeles CA	90012
7412011900	45.19	Developed Regional Parks and Recreation	39	900s	1	Part of Harbor Lake	0.00	26300	VERMONT AVE	HARBOR CITY CA	90710

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7442001915	41.52	Base Developed Local Parks and Recreation	39	900s	1	Being Developed	85.34			Los Angeles CA	
7412026916	10.51	Developed Local Parks and Recreation	39	900s	1	Only on-site runoff can be treated, which will be occuring anyway.	0.00			Los Angeles CA	
7412014900	9.90	Developed Regional Parks and Recreation	39	900s	1	Part of Harbor Lake	159.60			Los Angeles CA	
7440031910	7.22	Developed Local Parks and Recreation	39	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	531.63			Los Angeles CA	
7440031911	7.22	Developed Local Parks and Recreation	39	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	531.63			Los Angeles CA	
7412012900	5.38	Vacant Undifferentiated	39	900s	1	Part of Harbor Lake	152.71			Los Angeles CA	
4129037909	4.05	Vacant Undifferentiated	39	900s	1	Being developed.	160.65	5761	IMPERIAL HWY	Los Angeles CA	90045
6079006904	2.63	Vacant Undifferentiated	39	900s	1	Los Angeles Southwest College - privately owned	329.75	1302	IMPERIAL HWY	Los Angeles CA	90044
7452030901	2.46	Vacant Undifferentiated	39	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	311.29			Los Angeles CA	
7440020906	2.30	Vacant Undifferentiated	39	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	80.79			Los Angeles CA	
7440030918	2.14	Developed Local Parks and Recreation	39	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	61.01			Los Angeles CA	
7440030921	2.14	Developed Local Parks and Recreation	39	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	61.01			Los Angeles CA	
7455025900	1.71	Developed Local Parks and Recreation	39	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	24.86			Los Angeles CA	
7440005938	1.18	Vacant Undifferentiated	39	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	361.62			Los Angeles CA	
7440005920	0.90	Vacant Undifferentiated	39	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	135.85			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7440034901	71.24	Developed Local Parks and Recreation	38	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	492.31			Los Angeles CA	
7440011908	54.57	Other Open Space and Recreation	38	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	529.37			Los Angeles CA	
7440037903	39.63	Other Open Space and Recreation	38	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	460.32			Los Angeles CA	
4129037906	3.61	Vacant Undifferentiated	38	900s	1	Being developed.	39.70			Los Angeles CA	
7413023900	3.25	Vacant Undifferentiated	38	900s	1	Part of Harbor Lake	0.00			Los Angeles CA	
7428026912	1.62	Vacant Undifferentiated	38	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
6121017900	1.35	Vacant Undifferentiated	38	900s	1	Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	0.00			Los Angeles CA	
6121018902	1.34	Vacant Undifferentiated	38	900s	1	Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	0.00			Los Angeles CA	
6121018900	1.22	Vacant Undifferentiated	38	900s	1	Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	0.00			Los Angeles CA	
7429013923	1.14	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	46.34			Los Angeles CA	
7429013922	1.14	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	46.34			Los Angeles CA	
7429013916	1.11	Vacant Undifferentiated	38	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
7429013917	1.11	Vacant Undifferentiated	38	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
7440030910	1.08	Developed Local Parks and Recreation	38	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	26.44			Los Angeles CA	
7440031905	1.03	Developed Local Parks and Recreation	38	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	2,240.61			Los Angeles CA	
7446001900	0.80	Developed Local Parks and Recreation	38	900s	1	Built-out in parts the other parcels are part of a natural drainage that appears to be very steep.	63.64			Los Angeles CA	
7440005932	0.71	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	361.62			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7446001901	63.79	Developed Local Parks and Recreation	37	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself. Parcel has a probability of landslides occurence.	0.00			Los Angeles CA	
7469018904	36.49	Developed Local Parks and Recreation	37	900s	1	Drains to ocean.	1,352.03			Los Angeles CA	
7412012903	20.46	Vacant Undifferentiated	37	900s	1	Part of Harbor Lake	418.81	1700	L ST	Los Angeles CA	90744
6057010901	13.73	Developed Regional Parks and Recreation	37	900s	1	Maggie Hathaway Gold Coarse and Jesse Ownes Coubnty Park - only on-site runoff can be treated, which will be occuring anyway.	2,008.94	9637	WESTERN AVE	Los Angeles CA	90047
6119025900	10.55	Developed Local Parks and Recreation	37	900s	1	Only on-site runoff can be treated, which will be occuring anyway.	2,073.24			Los Angeles CA	
7447024900	9.05	Developed Local Parks and Recreation	37	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	116.78			Los Angeles CA	
7561025902	7.96	Developed Regional Parks and Recreation	37	900s	1	Excluded because located on watershed jurisdiction boundary. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,068.04			Los Angeles CA	
6057010902	7.54	Developed Regional Parks and Recreation	37	900s	1	Maggie Hathaway Gold Coarse and Jesse Ownes Coubnty Park - only on-site runoff can be treated, which will be occuring anyway.	1,437.98			Los Angeles CA	
6057010903	7.19	Developed Regional Parks and Recreation	37	900s	1	Maggie Hathaway Gold Coarse and Jesse Ownes County Park - only on-site runoff can be treated, which will be occuring anyway.	1,543.68	9651	WESTERN AVE	Los Angeles CA	90047
7447003900	6.79	Vacant Undifferentiated	37	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	158.15			Los Angeles CA	
4129037910	2.78	Vacant Undifferentiated	37	900s	1	Being developed.	58.57			Los Angeles CA	
4129037912	2.69	Vacant Undifferentiated	37	900s	1	Being developed.	41.68			Los Angeles CA	
4129037908	2.52	Vacant Undifferentiated	37	900s	1	Being developed.	159.21			Los Angeles CA	
4129037915	2.26	Vacant Undifferentiated	37	900s	1	Being developed.	25.79			Los Angeles CA	
7429013920	1.38	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	250.55			Los Angeles CA	
7429013921	1.38	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	250.55			Los Angeles CA	
7440030908	0.96	Developed Local Parks and Recreation	37	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	116.12			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7440002906	0.65	Vacant Undifferentiated	37	900s	1	Entirely paved based on visual inspection.	139.99			Los Angeles CA	
7440030911	0.65	Developed Local Parks and Recreation	37	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	71.63			Los Angeles CA	
7440030919	0.65	Developed Local Parks and Recreation	37	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	71.63			Los Angeles CA	
7428028966	0.62	Vacant Undifferentiated	37	900s	1	Entirely paved based on visual inspection.	115.14			Los Angeles CA	
7440030920	0.62	Developed Local Parks and Recreation	37	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	56.68			Los Angeles CA	
7428028944	0.54	Vacant Undifferentiated	37	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
6079005901	0.48	Vacant Undifferentiated	37	900s	1	Los Angeles Southwest Colledge - privately owned	297.81	1302	IMPERIAL HWY	Los Angeles CA	90044
7440030917	0.48	Developed Local Parks and Recreation	37	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	115.84			Los Angeles CA	
7440002915	0.42	Vacant Undifferentiated	37	900s	1	Entirely paved based on visual inspection.	139.99			Los Angeles CA	
7428026910	0.36	Vacant Undifferentiated	37	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
7440005912	0.29	Vacant Undifferentiated	37	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	543.82			Los Angeles CA	
7428028922	0.26	Vacant Undifferentiated	37	900s	1	Entirely paved based on visual inspection.	101.17			Los Angeles CA	
7440040906	40.59	Developed Local Parks and Recreation	36	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	52.69			Los Angeles CA	
7560028900	28.67	Developed Regional Parks and Recreation	36	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	283.79	1805	9TH ST	Los Angeles CA	90006
4123018928	24.62	Developed Local Parks and Recreation	36	900s	1	Entirely paved based on visual inspection.	0.00	9029	AIRPORT BLVD	Los Angeles CA	90009
4123018927	18.13	Developed Local Parks and Recreation	36	900s	1	Entirely paved based on visual inspection.	0.00			Los Angeles CA	
6057010900	3.54	Developed Regional Parks and Recreation	36	900s	1	Maggie Hathaway Gold Coarse and Jesse Ownes Coubnty Park - only on-site runoff can be treated, which will be occuring anyway.	2,433.68	1850	96TH ST	Los Angeles CA	90047
7445001900	3.17	Developed Local Parks and Recreation	36	900s	1	Only on-site runoff can be treated, which will be occuring anyway.	23.15			Los Angeles CA	
4129037913	1.86	Vacant Undifferentiated	36	900s	1	Being developed.	57.61			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4129037907	1.67	Vacant Undifferentiated	36	900s	1	Being developed.	53.28			Los Angeles CA	
7446022900	1.65	Vacant Undifferentiated	36	900s	1	Area sizing does not appear usable based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	761.11			Los Angeles CA	
4129037911	1.45	Vacant Undifferentiated	36	900s	1	Being developed.	45.29			Los Angeles CA	
7428030900	0.69	Vacant Undifferentiated	36	900s	1	Entirely paved based on visual inspection.	674.66			Los Angeles CA	
9999999905	0.67	Vacant Undifferentiated	36	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	327.81			Los Angeles CA	
7439027901	0.58	Developed Local Parks and Recreation	36	900s	1	Harbor City Park. Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	2,249.09			Los Angeles CA	
7428029901	0.44	Vacant Undifferentiated	36	900s	1	Entirely paved based on visual inspection.	281.62			Los Angeles CA	
7428030901	0.28	Vacant Undifferentiated	36	900s	1	Entirely paved based on visual inspection.	745.84			Los Angeles CA	
7440012902	77.29	Vacant Undifferentiated	35	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,633.17			Los Angeles CA	
7440039910	37.24	Other Open Space and Recreation	35	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	2,615.43			Los Angeles CA	
6132018900	18.70	Developed Local Parks and Recreation	35	900s	1	Only on-site runoff can be treated, which will be occuring anyway.	741.81	12603	BROADWAY	Los Angeles CA	90061
7442001914	5.49	Vacant Area	35	900s	1	Being Developed	833.53			Los Angeles CA	
7448006900	5.14	Other Open Space and Recreation	35	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	552.22			Los Angeles CA	
7469030900	4.04	Developed Local Parks and Recreation	35	900s	1	Drains to ocean	1,839.88			Los Angeles CA	
7446018900	1.48	Vacant Undifferentiated	35	900s	1	Near Rena Park. Near watershed boundary and will receive runoff from outside of jurisdiction. Terrain is too steep and is mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	906.20			Los Angeles CA	
7456011900	1.41	Developed Local Parks and Recreation	35	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	979.83			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7455010902	0.97	Developed Local Parks and Recreation	35	900s	1	Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	766.08			Los Angeles CA	
4129037914	0.93	Vacant Undifferentiated	35	900s	1	Being developed.	25.06			Los Angeles CA	
7412026912	0.79	Developed Local Parks and Recreation	35	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	26.87			Los Angeles CA	
4129037916	0.62	Vacant Undifferentiated	35	900s	1	Being developed.	37.18			Los Angeles CA	
7412026917	34.38	Developed Local Parks and Recreation	34	900s	1	Only on-site runoff can be treated, which will be occuring anyway.	0.00			Los Angeles CA	
7440040907	31.33	Developed Local Parks and Recreation	34	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	358.33			Los Angeles CA	
4123018926	8.17	Developed Local Parks and Recreation	34	900s	1	Carl E Nielsen Youth Park. Located on watershed jurisdiction boundary. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself, but may be as large as 40 acres.	454.85			Los Angeles CA	
7447013900	1.15	Developed Local Parks and Recreation	34	900s	1	Area sizing does not appear usable based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,356.53			Los Angeles CA	
7440011907	1.02	Other Open Space and Recreation	34	900s	1	Mostly paved. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	676.02			Los Angeles CA	
7440021917	0.88	Vacant Undifferentiated	34	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	621.26			Los Angeles CA	
7455010903	0.65	Developed Local Parks and Recreation	34	900s	1	Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	936.62			Los Angeles CA	
7448034905	0.43	Vacant Undifferentiated	34	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,390.92			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7440029917	118.79	Vacant Undifferentiated	33	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	2,756.95	760	EARLE ST	Los Angeles CA	90731
7469018903	2.13	Developed Local Parks and Recreation	33	900s	1	Drains to ocean	1,765.86			Los Angeles CA	
7448007900	0.97	Other Open Space and Recreation	33	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,075.82			Los Angeles CA	
7462023900	0.94	Developed Local Parks and Recreation	33	900s	1	Sub-basin, drainage infrastructure and topography suggest that the parcel is too small to capture the 85th percentile design storm for the tributary area.	1,392.16			Los Angeles CA	
7447008901	0.87	Developed Local Parks and Recreation	33	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,366.00	420	OFARRELL ST	Los Angeles CA	90731
7467010900	0.72	Developed Local Parks and Recreation	33	900s	1	Angeles Gate Park. Drains to ocean	1,208.59			Los Angeles CA	
7560026904	0.42	Vacant Undifferentiated	33	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	27.26			Los Angeles CA	
4129037902	0.38	Vacant Undifferentiated	33	900s	1	Being developed.	430.99			Los Angeles CA	
7440039911	1.18	Other Open Space and Recreation	32	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	2,244.91			Los Angeles CA	
7447029900	0.96	Developed Local Parks and Recreation	32	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,522.72			Los Angeles CA	
7447030900	0.75	Developed Local Parks and Recreation	32	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,403.62			Los Angeles CA	
7440034906	0.56	Developed Local Parks and Recreation	32	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	2,206.50			Los Angeles CA	
7440034907	0.56	Developed Local Parks and Recreation	32	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	2,206.50			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7442001910	201.60	Developed Local Parks and Recreation	31	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	621.70			Los Angeles CA	
7467031900	2.82	Vacant Undifferentiated	31	900s	1	Drains to ocean	2,565.00			Los Angeles CA	
7440003912	0.78	Other Open Space and Recreation	31	900s	1	Mostly paved based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	3,218.43			Los Angeles CA	
7467011900	0.67	Developed Local Parks and Recreation	31	900s	1	Drains to ocean.	1,259.59			Los Angeles CA	
7448004900	0.48	Other Open Space and Recreation	31	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	405.87			Los Angeles CA	
7442001913	0.91	Vacant Area	30	900s	1	Being Developed	1,244.52			Los Angeles CA	
7448034906	0.32	Vacant Undifferentiated	30	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,359.91			Los Angeles CA	
7467032900	3.55	Developed Local Parks and Recreation	29	900s	1	Drains to ocean	2,564.87			Los Angeles CA	
7448033906	0.40	Vacant Undifferentiated	29	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,283.11			Los Angeles CA	
7448033901	0.40	Vacant Undifferentiated	29	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,230.39			Los Angeles CA	
7442001919	47.68	Vacant Area	28	900s	1	Being Developed	1,081.68			Los Angeles CA	
7469030901	1.77	Developed Local Parks and Recreation	27	900s	1	Drains to ocean	2,366.25			Los Angeles CA	
7448035906	2.32	Vacant Undifferentiated	26	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	893.56			Los Angeles CA	
7467030901	0.85	Vacant Undifferentiated	26	900s	1	Drains to ocean	2,603.13			Los Angeles CA	
7467030900	0.71	Vacant Undifferentiated	26	900s	1	Port Fermin Park. Drains to ocean.	2,462.80			Los Angeles CA	
7448035927	1.04	Vacant Undifferentiated	25	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	808.63			Los Angeles CA	
7448035932	1.04	Vacant Undifferentiated	25	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	808.63			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7448036919	1.00	Vacant Undifferentiated	23	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,203.81			Los Angeles CA	
7448036926	1.00	Vacant Undifferentiated	23	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,203.81			Los Angeles CA	
7448035908	0.39	Vacant Undifferentiated	23	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,171.89			Los Angeles CA	
7448035930	0.28	Vacant Undifferentiated	23	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,222.28	255	VIEWLAND PL	Los Angeles CA	90731
6121019900	6.74	Manufacturing, Assembly, and Industrial Servi	39	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			Los Angeles CA	
7428008908	3.13	Manufacturing, Assembly, and Industrial Servi	38	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	191.47			Los Angeles CA	
7428008906	3.13	Manufacturing, Assembly, and Industrial Servi	38	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	191.47			Los Angeles CA	
7452018903	2.87	Other Special Use Facilities	38	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	96.07	308	WEYMOUTH AVE	Los Angeles CA	90732
7315016900	0.44	Open Storage	35	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			Los Angeles CA	
7428008909	0.57	Open Storage	34	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	280.07			Los Angeles CA	
7428008907	0.57	Open Storage	34	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	280.07			Los Angeles CA	
7469017900	0.76	Other Public Facilities	33	900s	2	Drains to ocean	718.43			Los Angeles CA	
6130003900	2.11	Other Public Facilities	32	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	25.03	150	EL SEGUNDO BLVD	Los Angeles CA	90061
7428016911	0.79	Open Storage	32	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	670.23			Los Angeles CA	
7428016909	0.79	Open Storage	32	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	670.23			Los Angeles CA	
7428017939	0.28	Open Storage	31	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	903.18			Los Angeles CA	
7455027933	1.26	Other Special Use Facilities	30	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	43.45			Los Angeles CA	
7428016910	0.70	Open Storage	30	900s	2	Parcel has too high of a percentage of building cover	1,058.36			Los Angeles CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
						based on visual inspection.					
7428016908	0.70	Open Storage	30	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,058.36			Los Angeles CA	
7428010901	0.57	Manufacturing, Assembly, and Industrial Servi	30	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,101.00			Los Angeles CA	
7428010900	0.57	Manufacturing, Assembly, and Industrial Servi	30	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,101.00			Los Angeles CA	
7428010903	0.44	Open Storage	30	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,253.98			Los Angeles CA	

City of El Segundo

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4138014901	**1.19**	**Vacant Undifferentiated**	**34**	**900s**	**1**	**Recommended - Part of El Segundo Project**	**324.14**			**El Segundo CA**	
4138014914	**6.23**	**Nurseries**	**36**	**900s**	**2**	**Recommended - El Segundo Project**	**0.00**			**El Segundo CA**	
4138002901	47.28	Base Government Offices	37	900s	2	Potential	31.64			El Segundo CA	
4138002904	0.96	Base Government Offices	34	900s	2	Potential	1.37			El Segundo CA	
4138003903	3.68	Low- and Medium-Rise Major Office Use	33	900s	2	Potential	380.38			El Segundo CA	
4138012004	6.41	Vacant Undifferentiated	33		3	Potential	309.53	655	DOUGLAS ST	El Segundo CA	90245
4138015007	7.64	Vacant Undifferentiated	32		3	Potential	509.35			El Segundo CA	
4138030014	2.04	Vacant Undifferentiated	31		3	Potential	199.64			El Segundo CA	
4138015005	3.10	Vacant Undifferentiated	29		3	Potential	849.37			El Segundo CA	
4138030012	1.15	Vacant Undifferentiated	29		3	Potential	378.83			El Segundo CA	
4138030013	0.91	Vacant Undifferentiated	29		3	Potential	118.67			El Segundo CA	
4138030015	1.54	Vacant Undifferentiated	28		3	Potential	514.04			El Segundo CA	
4138030094	2.60	Vacant Undifferentiated	27		3	Potential	942.24			El Segundo CA	
4138030025	1.87	Vacant Undifferentiated	27		3	Potential	672.32			El Segundo CA	
4138030011	1.64	Vacant Undifferentiated	27		3	Potential	614.21			El Segundo CA	
4138030026	1.44	Vacant Undifferentiated	26		3	Potential	809.61			El Segundo CA	
4138030903	5.42	Vacant Undifferentiated	34	900s	1	Catchment area less than 10 acres	612.41			El Segundo CA	
4138014913	25.69	Golf Courses	33	900s	1	The Lakes at El Segundo Golf Coarse - only on-site runoff can be treated, which will be occuring anyway.	1,347.71	400	SEPULVEDA BLVD	El Segundo CA	90245
4138012901	0.52	Vacant Undifferentiated	33	900s	1	Entirely paved based on visual inspection.	318.47			El Segundo CA	
4138030904	1.00	Vacant Undifferentiated	31	900s	1	Catchment area less than 10 acres	413.63			El Segundo CA	
4138014910	0.75	Golf Courses	29	900s	1	The Lakes at El Segundo Golf Coarse - only on-site runoff can be treated, which will be occuring anyway.	1,888.75			El Segundo CA	
4138002903	3.39	Base Government Offices	36	900s	2	Site too small for drainage based on visual inspection.	1.97			El Segundo CA	
4138001900	1.09	Manufacturing, Assembly, and Industrial Servi	33	900s	2	Site too small for drainage based on visual inspection.	273.80			El Segundo CA	
4138001906	0.81	Research and Development	33	900s	2	Site too small for drainage based on visual inspection.	0.00			El Segundo CA	
4138001905	0.27	Research and Development	33	900s	2	Site too small for drainage based on visual inspection.	10.95			El Segundo CA	
4138014915	1.55	Park-and-Ride Lots	32	900s	2	Site too small for drainage based on visual inspection.	0.00			El Segundo CA	
4138002902	1.85	Research and Development	31	900s	2	Site too small for drainage based on visual inspection.	658.93			El Segundo CA	
4138012904	1.53	Low- and Medium-Rise Major Office Use	30	900s	2	Site too small for drainage based on visual inspection.	445.97			El Segundo CA	
4138002905	0.74	Base Government Offices	28	900s	2	Site too small for drainage based on visual inspection.	1,252.34			El Segundo CA	
4138004910	0.39	Research and Development	26	900s	2	Site too small for drainage based on visual inspection.	1,269.67			El Segundo CA	
4138015012	7.00	Vacant Undifferentiated	33		3	Catchment area less than 10 acres	337.94	2021	ROSECRANS AVE	El Segundo CA	90245
4138015006	9.85	Vacant Undifferentiated	32		3	Catchment area less than 10 acres	498.21			El Segundo CA	
4138015033	4.09	Vacant Undifferentiated	32		3	Catchment area less than 10 acres	568.04			El Segundo CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4138015043	3.28	Vacant Undifferentiated	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	916.53			El Segundo CA	
4138015044	1.88	Vacant Undifferentiated	28		3	Parcel has too high of a percentage of building cover based on visual inspection.	618.61			El Segundo CA	
4138015014	1.83	Vacant Undifferentiated	28		3	Catchment area less than 10 acres	697.10	324	SEPULVEDA BLVD	El Segundo CA	90245
4138015008	1.11	Vacant Undifferentiated	28		3	Catchment area less than 10 acres	615.98			El Segundo CA	
4138012810	0.67	Vacant Undifferentiated	28		3	Catchment area less than 10 acres	591.08			El Segundo CA	
4138012809	0.47	Vacant Undifferentiated	28		3	Catchment area less than 10 acres	580.12			El Segundo CA	
4138015803	0.32	Vacant Undifferentiated	28		3	Catchment area less than 10 acres	497.40			El Segundo CA	
4138015052	2.42	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,294.38			El Segundo CA	
4138030023	2.42	Vacant Undifferentiated	27		3	Catchment area less than 10 acres	899.88			El Segundo CA	
4138015042	2.39	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,128.54			El Segundo CA	
4138030093	2.15	Vacant Undifferentiated	27		3	Catchment area less than 10 acres	1,284.48			El Segundo CA	
4138015800	2.10	Vacant Undifferentiated	27		3	Catchment area less than 10 acres	1,142.83			El Segundo CA	
4138015050	2.09	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,575.85			El Segundo CA	
4138015058	2.06	Vacant Undifferentiated	27		3	Catchment area less than 10 acres	1,294.85			El Segundo CA	
4138030092	2.59	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,112.22			El Segundo CA	
4138030047	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030044	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030057	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030043	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030045	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030054	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030056	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030046	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030042	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030055	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030049	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030051	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030040	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030050	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030052	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030041	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030048	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030053	2.51	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,456.45			El Segundo CA	
4138030028	2.33	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,606.60			El Segundo CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4138030085	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030073	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030076	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030072	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030074	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030075	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030081	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030082	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030077	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030079	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030080	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030087	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030078	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030083	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030086	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030084	2.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,264.67			El Segundo CA	
4138030034	2.16	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,311.34			El Segundo CA	
4138030022	2.01	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,088.14			El Segundo CA	
4138015040	1.36	Vacant Undifferentiated	26		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,499.18			El Segundo CA	
4138015059	1.25	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,240.60			El Segundo CA	
4138030010	1.18	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	892.27			El Segundo CA	
4138015060	1.15	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,242.50			El Segundo CA	
4138015037	1.07	Vacant Undifferentiated	26		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,943.73			El Segundo CA	
4138015049	1.06	Vacant Undifferentiated	26		3	Catchment area less than 10 acres	1,712.32			El Segundo CA	
4138015051	1.05	Vacant Undifferentiated	26		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,471.29			El Segundo CA	
4138030035	1.81	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,323.87			El Segundo CA	
4138030009	1.37	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,092.24			El Segundo CA	
4138030064	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030066	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030068	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030070	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030071	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030069	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030065	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	
4138030067	1.16	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,401.46			El Segundo CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4138030058	1.12	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,525.90			El Segundo CA	
4138030059	1.12	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,525.90			El Segundo CA	
4138030062	1.12	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,525.90			El Segundo CA	
4138030060	1.12	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,525.90			El Segundo CA	
4138030061	1.12	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,525.90			El Segundo CA	
4138030063	1.12	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,525.90			El Segundo CA	
4138030024	1.11	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,062.28			El Segundo CA	
4138015048	1.00	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,729.07			El Segundo CA	
4138015047	0.98	Vacant Undifferentiated	25		3	Catchment area less than 10 acres	1,741.94			El Segundo CA	
4138015041	0.94	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,354.92			El Segundo CA	
4138015053	0.86	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,308.61			El Segundo CA	
4138015055	0.80	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,597.68			El Segundo CA	
4138015039	0.73	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,717.70			El Segundo CA	
4138015038	0.66	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,836.12			El Segundo CA	
4138015054	0.42	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,479.50			El Segundo CA	
4138030039	0.74	Vacant Undifferentiated	24		3	Catchment area less than 10 acres	1,739.91			El Segundo CA	
4138030037	0.74	Vacant Undifferentiated	24		3	Catchment area less than 10 acres	1,739.91			El Segundo CA	
4138030038	0.74	Vacant Undifferentiated	24		3	Catchment area less than 10 acres	1,739.91			El Segundo CA	
4138030036	0.74	Vacant Undifferentiated	24		3	Catchment area less than 10 acres	1,739.91			El Segundo CA	

City of Hawthorne

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4051032903	4.10	Developed Local Parks and Recreation	42	900s	1	Recommended--Jim Thorpe Park	704.72			Hawthorne CA	
4051029901	3.53	Developed Local Parks and Recreation	40	900s	1	Recommended--Jim Thorpe Park	896.76	13913	CORDARY AVE	Hawthorne CA	90250
4043002904	1.69	Developed Local Parks and Recreation	35	900s	1	Recommended--Ramona Park	627.02			Hawthorne CA	
4049009904	**6.59**	**Developed Local Parks and Recreation**	**41**	**900s**	**1**	**Viable alternative - Hawthorne Memorial Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**1,429.65**			**Hawthorne CA**	
4041014910	1.02	Developed Local Parks and Recreation	37	900s	1	Not Recommended--Jim Thorpe Park. Parcel has too high of a percentage of building cover based on visual inspection.	1,369.13	14027	CORDARY AVE	Hawthorne CA	90250
4041014907	1.45	Vacant Undifferentiated	43	900s	1	Park w/in Channel	0.00			Hawthorne CA	
4041019900	1.41	Vacant Undifferentiated	43	900s	1	Park w/in Channel	0.00			Hawthorne CA	
4041018900	1.26	Vacant Undifferentiated	43	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			Hawthorne CA	
4041014909	4.01	Developed Local Parks and Recreation	41	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	484.05			Hawthorne CA	
4149012905	0.86	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	677.49	13929	YUKON AVE	Hawthorne CA	90250
4145032900	0.86	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	677.50	14001	YUKON AVE	Hawthorne CA	90250
4149011804	6.62	Developed Local Parks and Recreation	37	900s	1	Located in steep area. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	692.19	12601	ISIS AVE	Hawthorne CA	90250
4149011805	0.70	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	959.52	13928	KORNBLUM AVE	Hawthorne CA	90250
4048004058	0.55	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	970.80	14001	YUKON AVE	Hawthorne CA	90250
4149016061	0.26	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	971.15	13934	KORNBLUM AVE	Hawthorne CA	90250
4051029003	2.54	Developed Local Parks and Recreation	36	900s	1	Too developed based on visual inspection. Next to Ramona Park. Sub-basin, drainage infrastructure and	867.02			Hawthorne CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
						topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.					
4149018042	0.47	Vacant Undifferentiated	36	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,087.53	3658	139TH ST	Hawthorne CA	90250
4149018035	0.40	Vacant Undifferentiated	36	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,116.16	13918	KORNBLUM AVE	Hawthorne CA	90250
4149018046	1.55	Developed Local Parks and Recreation	35	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	542.05			Hawthorne CA	
4149018043	1.00	Vacant Undifferentiated	34	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,485.70			Hawthorne CA	
4149018044	0.47	Developed Local Parks and Recreation	34	900s	1	Entirely paved based on visual inspection.	446.92			Hawthorne CA	
4149018034	1.19	Vacant Undifferentiated	33	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	951.90			Hawthorne CA	
4149018033	1.87	Police and Sheriff Stations	36	900s	2	Potential	697.58			Hawthorne CA	
4149018045	1.17	Police and Sheriff Stations	36	900s	2	Potential	697.41			Hawthorne CA	
4149018041	1.76	Government Offices	34	900s	2	Potential	918.78	12643	EUCALYPTUS AVE	Hawthorne CA	90250
4149018036	1.36	Government Offices	34	900s	2	Potential	839.22	12700	INGLEWOOD AVE	Hawthorne CA	90250
4149018038	0.41	Fire Stations	33	900s	2	Potential	1,086.70	4447	EL SEGUNDO BLVD	Hawthorne CA	90250
4149018040	0.40	Electrical Power Facilities	32	900s	2	Potential	894.89			Hawthorne CA	
4149018037	0.29	Fire Stations	31	900s	2	Potential	1,224.56	5323	ROSECRANS AVE	Hawthorne CA	90250
4149018049	6.91	Other Public Facilities	39	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,917.55			Hawthorne CA	
4149018039	9.32	Mixed Transportation (Developed Local Parks and Recreation)	38	900s	2	Entirely paved based on visual inspection.	917.15			Hawthorne CA	
4149018047	2.99	Government Offices	37	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,103.58			Hawthorne CA	
4149018048	0.50	Police and Sheriff Stations	34	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	978.28	12700	GREVILLEA AVE	Hawthorne CA	90250
4149018050	0.49	Fire Stations	33	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,166.75	4463	EL SEGUNDO BLVD	Hawthorne CA	90250
4051029013	0.33	Police and Sheriff Stations	33	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	1,086.76	12726	GREVILLEA AVE	Hawthorne CA	90250
4149013076	18.76	Other Open Space and Recreation	38		3	Potential	41.13			Hawthorne CA	
4149013069	4.39	Other Open Space and Recreation	38		3	Potential	41.17			Hawthorne CA	
4051030901	0.59	Vacant Undifferentiated	38		3	Potential	42.58			Hawthorne CA	
4055008900	3.89	Vacant Undifferentiated	34		3	Potential	117.06	14610	HINDRY AVE	Hawthorne CA	90250
4055021900	0.29	Developed Local Parks and Recreation	34		3	Potential	779.75	3926	139TH ST	Hawthorne CA	90250

City of Hawthorne

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4055022900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4041016903	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4149011910	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051017900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051017901	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4143015900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051020902	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051020900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051020901	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4043002905	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051020905	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4051020903	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4145020904	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4145030900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4145021900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4145025900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4049010900	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4050013901	2.82	Developed Local Parks and Recreation	33		3	Potential	697.64			Hawthorne CA	
4041014911	0.60	Developed Local Parks and Recreation	33		3	Potential	830.67	3906	139TH ST	Hawthorne CA	90250
4041014908	2.49	Vacant Undifferentiated	32		3	Potential	859.13	14400	HINDRY AVE	Hawthorne CA	90250
4041014913	0.47	Vacant Undifferentiated	29		3	Potential	1,230.22	5230	ROSECRANS AVE	Hawthorne CA	90250
4056031017	9.41	Vacant Undifferentiated	42		3	Parcel has too high of a percentage of building cover based on visual inspection.	13.62	12250	CRENSHAW BLVD	Hawthorne CA	90250
4056031015	8.38	Vacant Undifferentiated	42		3	Parcel has too high of a percentage of building cover based on visual inspection.	0.00	12200	WILKIE AVE	Hawthorne CA	90250
4056031018	5.66	Vacant Undifferentiated	42		3	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			Hawthorne CA	
4056031803	4.66	Vacant Undifferentiated	42		3	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			Hawthorne CA	
4056031014	4.65	Vacant Undifferentiated	40		3	Parcel has too high of a percentage of building cover based on visual inspection.	526.84	2750	120TH ST	Hawthorne CA	90250
4049011017	5.41	Developed Local Parks and Recreation	37		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,421.80	12600	PRAIRIE AVE	Hawthorne CA	90250
4071008034	0.99	Developed Local Parks and Recreation	37		3	Parcel has too high of a percentage of building cover based on visual inspection.	6.11	3330	147TH ST	Hawthorne CA	90250
4149011025	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5419	MARINE AVE	Hawthorne CA	90260
4149011044	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5467	MARINE AVE	Hawthorne CA	90250

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4149011009	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5451	MARINE AVE	Hawthorne CA	90260
4149011010	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5449	MARINE AVE	Hawthorne CA	90260
4149011042	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5471	MARINE AVE	Hawthorne CA	90250
4149011015	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5439	MARINE AVE	Hawthorne CA	90260
4149011032	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5405	MARINE AVE	Hawthorne CA	90260
4149011034	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5401	MARINE AVE	Hawthorne CA	90250
4149011021	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5427	MARINE AVE	Hawthorne CA	90260
4149011028	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5413	MARINE AVE	Hawthorne CA	90250
4149011007	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5455	MARINE AVE	Hawthorne CA	90260
4149011026	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5417	MARINE AVE	Hawthorne CA	90260
4149011040	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5475	MARINE AVE	Hawthorne CA	90250
4149011016	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5437	MARINE AVE	Hawthorne CA	90260
4149011018	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5433	MARINE AVE	Hawthorne CA	90250
4149011033	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5403	MARINE AVE	Hawthorne CA	90260
4149011014	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5441	MARINE AVE	Hawthorne CA	90260
4149011006	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5457	MARINE AVE	Hawthorne CA	90260
4149011020	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5429	MARINE AVE	Hawthorne CA	90250
4149011031	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5407	MARINE AVE	Hawthorne CA	90260
4149011045	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5465	MARINE AVE	Hawthorne CA	90260
4149011017	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5435	MARINE AVE	Hawthorne CA	90260
4149011005	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5459	MARINE AVE	Hawthorne CA	90260

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4149011012	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5445	MARINE AVE	Hawthorne CA	90260
4149011037	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5481	MARINE AVE	Hawthorne CA	90260
4149011046	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5463	MARINE AVE	Hawthorne CA	90250
4149011029	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5411	MARINE AVE	Hawthorne CA	90250
4149011030	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5409	MARINE AVE	Hawthorne CA	90260
4149011013	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5443	MARINE AVE	Hawthorne CA	90260
4149011022	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5425	MARINE AVE	Hawthorne CA	90260
4149011036	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5483	MARINE AVE	Hawthorne CA	90250
4149011008	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5453	MARINE AVE	Hawthorne CA	90260
4149011043	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5469	MARINE AVE	Hawthorne CA	90260
4149011024	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5421	MARINE AVE	Hawthorne CA	90260
4149011027	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5415	MARINE AVE	Hawthorne CA	90260
4149011041	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5473	MARINE AVE	Hawthorne CA	90260
4149011035	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5485	MARINE AVE	Hawthorne CA	90250
4149011019	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5431	MARINE AVE	Hawthorne CA	90260
4149011023	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5423	MARINE AVE	Hawthorne CA	90260
4149011039	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5477	MARINE AVE	Hawthorne CA	90250
4149011038	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5479	MARINE AVE	Hawthorne CA	90260
4149011011	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5447	MARINE AVE	Hawthorne CA	90260
4149011047	2.17	Other Open Space and Recreation	36		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.31	5461	MARINE AVE	Hawthorne CA	90250
4048004043	1.37	Vacant Undifferentiated	35		3	Parcel has too high of a percentage of building cover based on visual inspection.	41.06	3653	120TH ST	Hawthorne CA	90303

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4051017011	0.85	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	663.25	13921	YUKON AVE	Hawthorne CA	90250
4051017007	0.43	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	677.50	14013	YUKON AVE	Hawthorne CA	90250
4051020032	0.55	Vacant Undifferentiated	33		3	Parcel has too high of a percentage of building cover based on visual inspection.	970.52	14024	KORNBLUM AVE	Hawthorne CA	90250
4149018060	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018078	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018066	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018080	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018083	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018064	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018081	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018057	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018072	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018084	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018073	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018056	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018058	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018075	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018055	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018059	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018052	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018054	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4149018077	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018079	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018061	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018063	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018065	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018051	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018062	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018069	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018076	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018068	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018070	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018074	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018082	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018067	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018071	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018085	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018086	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018053	1.44	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	691.81			Hawthorne CA	
4149018099	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018088	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018090	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	

City of Hawthorne

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4149018089	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018091	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018104	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018101	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018093	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018095	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018102	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018100	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018096	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018098	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018094	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018097	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018103	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018087	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	
4149018092	0.70	Developed Local Parks and Recreation	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	531.04			Hawthorne CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4025011900	**19.30**	**Developed Local Parks and Recreation**	**41**	**900s**	**1**	**Recommended - Darby Park**	**267.97**	**3400**	**ARBOR VITAE ST**	**Inglewood CA**	**90305**
4048004900	1.90	Vacant Undifferentiated	43	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	0.00			Inglewood CA	
4034005900	1.12	Vacant Undifferentiated	41	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	69.29	10117	PRAIRIE AVE	Inglewood CA	90303
4018021902	9.92	Developed Local Parks and Recreation	40	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	31.83			Inglewood CA	
4032003914	3.45	Vacant Undifferentiated	40	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	737.86	3700	CENTURY BLVD	Inglewood CA	90303
4032001903	0.99	Vacant Undifferentiated	40	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	114.86	3939	102ND ST	Inglewood CA	90303
4032001902	0.34	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	514.85	3901	102ND ST	Inglewood CA	90303
4032002913	0.33	Vacant Undifferentiated	38	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	517.86	3822	CENTURY BLVD	Inglewood CA	90303
4032002914	0.87	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	787.95	3831	102ND ST	Inglewood CA	90303
4032002916	0.68	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	614.86	3851	102ND ST	Inglewood CA	90303
4032002915	0.51	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	714.96	3843	102ND ST	Inglewood CA	90303
4032004913	0.47	Vacant Undifferentiated	37	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	779.19			Inglewood CA	
4032002917	0.68	Vacant Undifferentiated	36	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	801.14	3821	102ND ST	Inglewood CA	90303
4032003915	0.57	Vacant Undifferentiated	35	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,064.01	3703	102ND ST	Inglewood CA	90303
4032003912	0.57	Vacant Undifferentiated	35	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,065.47			Inglewood CA	
4021015901	0.37	Developed Local Parks and Recreation	33	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	758.43			Inglewood CA	
4021015909	0.27	Developed Local Parks and Recreation	32	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	812.75			Inglewood CA	
4018024905	0.84	Developed Local Parks and Recreation	31	900s	1	Ashwood Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	683.24	700	KELSO ST	Inglewood CA	90301

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
4018017900	0.84	Developed Local Parks and Recreation	31	900s	1	Ashwood Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	683.96			Inglewood CA	
4021014905	0.44	Developed Local Parks and Recreation	31	900s	1	Parcel has too high of a percentage of building cover based on visual inspection.	1,150.42	106	MANCHESTER BLVD	Inglewood CA	90301
4010023900	0.35	Developed Local Parks and Recreation	28	900s	1	Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	3,499.75			Inglewood CA	
4025011037	222.36	Developed Local Parks and Recreation	40		3	Potential	0.00			Inglewood CA	
4030002044	9.59	Vacant Undifferentiated	40		3	Potential	0.00	3380	CENTURY BLVD	Inglewood CA	90303
4025011027	25.55	Vacant Undifferentiated	35		3	Potential	597.84			Inglewood CA	
4030001013	3.21	Vacant Undifferentiated	35		3	Potential	828.70	3504	CENTURY BLVD	Inglewood CA	90303
4030001011	15.73	Vacant Undifferentiated	34		3	Potential	842.33	3560	CENTURY BLVD	Inglewood CA	90303
4030001012	1.37	Vacant Undifferentiated	34		3	Potential	784.67	3540	CENTURY BLVD	Inglewood CA	90303
4024009004	0.47	Vacant Undifferentiated	33		3	Potential	359.70	937	PRAIRIE AVE	Inglewood CA	90301
4032004045	7.11	Vacant Undifferentiated	37		3	Parcel has too high of a percentage of building cover based on visual inspection.	779.63	3624	CENTURY BLVD	Inglewood CA	90303
4025011012	19.17	Developed Local Parks and Recreation	35		3	Parcel has too high of a percentage of building cover based on visual inspection.	725.37	3107	ARBOR VITAE ST	Inglewood CA	90305
4032002039	1.65	Vacant Undifferentiated	35		3	Parcel has too high of a percentage of building cover based on visual inspection.	530.07	3846	CENTURY BLVD	Inglewood CA	90303
4032001048	1.03	Vacant Undifferentiated	35		3	Parcel has too high of a percentage of building cover based on visual inspection.	414.95	3915	102ND ST	Inglewood CA	90303
4024008029	2.47	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	455.49	924	OSAGE AVE	Inglewood CA	90301
4032003062	1.87	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	674.48	3730	CENTURY BLVD	Inglewood CA	90303
4025023069	1.43	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	230.06			Inglewood CA	
4025022041	1.09	Developed Local Parks and Recreation	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	298.97			Inglewood CA	
4030002056	0.41	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	500.74	3400	CENTURY BLVD	Inglewood CA	90303
4025023072	0.26	Vacant Undifferentiated	34		3	Parcel has too high of a percentage of building cover based on visual inspection.	123.34			Inglewood CA	
4025023077	0.26	Vacant Undifferentiated	33		3	Parcel has too high of a percentage of building cover based on visual inspection.	225.22			Inglewood CA	
4030002057	0.46	Vacant Undifferentiated	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	871.01	3490	CENTURY BLVD	Inglewood CA	90303
4023012900	1.34	High-Density Single Family Residential	35	900s	2	Potential	392.05			Inglewood CA	
4025025063	0.29	Vacant Undifferentiated	32		3	Parcel has too high of a percentage of building cover based on	489.31			Inglewood CA	

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
						visual inspection.					
4024009030	0.26	Vacant Undifferentiated	32		3	Parcel has too high of a percentage of building cover based on visual inspection.	436.91	1000	OSAGE AVE	Inglewood CA	90301
4024008020	0.71	Vacant Undifferentiated	31		3	Parcel has too high of a percentage of building cover based on visual inspection.	606.57	919	PRAIRIE AVE	Inglewood CA	90301
4025023071	0.29	Vacant Undifferentiated	31		3	Parcel has too high of a percentage of building cover based on visual inspection.	616.14			Inglewood CA	
4025025067	0.25	Vacant Undifferentiated	30		3	Parcel has too high of a percentage of building cover based on visual inspection.	811.06			Inglewood CA	
4025024099	0.25	Vacant Undifferentiated	29		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,045.32			Inglewood CA	
4015024020	10.16	Developed Local Parks and Recreation	28		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,406.99	333	PRAIRIE AVE	Inglewood CA	90301
4021014047	0.74	Developed Local Parks and Recreation	28		3	Too small drainage area based on visual inspection.	978.95	230	GREVILLEA AVE	Inglewood CA	90301
4126007066	2.33	Vacant Undifferentiated	27		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,785.63	355	GLASGOW AVE	Inglewood CA	90301
4126008015	0.89	Vacant Undifferentiated	25		3	Parcel has too high of a percentage of building cover based on visual inspection.	2,015.44	400	HINDRY AVE	Inglewood CA	90301

City of Lomita

AIN	Acres	Land Use	TOTAL SCORE	Gov_Type	Tier	OMIT Parcel	Revised Waterway Distance	Street Number	Street Name	City and State	Zip Code
7372021902	**5.78**	**Developed Local Parks and Recreation**	**40**	**900s**	**1**	**Viable alternative - Lomita Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**1,529.10**			**Lomita CA**	
7372008901	**0.96**	**Developed Local Parks and Recreation**	**36**	**900s**	**1**	**Viable alternative - Lomita Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**2,070.43**			**Lomita CA**	
7372008902	**0.93**	**Developed Local Parks and Recreation**	**36**	**900s**	**1**	**Viable alternative - Lomita Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.**	**1,973.46**	**24316**	**ESHELMAN AVE**	**Lomita CA**	**90717**
7552001903	12.47	Vacant Undifferentiated	39	900s	1	Being Developed	1,162.80			Lomita CA	
7372008903	1.26	Developed Local Parks and Recreation	37	900s	1	Part of Lomita Park. Too developed based on visual inspection. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,718.48	24309	WALNUT ST	Lomita CA	90717
7372008904	0.46	Developed Local Parks and Recreation	36	900s	1	Lomita Park. Sub-basin, drainage infrastructure and topography suggest that little flow could be diverted to site—likely less than 10 acres contributing area including the site itself.	1,737.71			Lomita CA	
7442001911	31.59	Vacant Area	34	900s	1	Being Developed	1,229.93			Lomita CA	
7553003902	2.02	Police and Sheriff Stations	40	900s	2	Potential	321.32	26123	NARBONNE AVE	Lomita CA	90717
7374001907	2.01	Government Offices	34	900s	2	Potential	1,210.42	24320	NARBONNE AVE	Lomita CA	90717
7553003903	0.53	Police and Sheriff Stations	36	900s	2	Parcel has too high of a percentage of building cover based on visual inspection.	618.67	26125	NARBONNE AVE	Lomita CA	90717
7374001048	1.34	Vacant Undifferentiated	31		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,656.74	2101	245TH ST	Lomita CA	90717
7374014050	0.62	Vacant Undifferentiated	30		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,995.58			Lomita CA	
7374019026	0.46	Vacant Undifferentiated	30		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,951.66	2072	242ND ST	Lomita CA	90717
7374019025	0.28	Vacant Undifferentiated	30		3	Parcel has too high of a percentage of building cover based on visual inspection.	1,908.04			Lomita CA	
7372008051	0.27	Developed Local Parks and Recreation	30		3	Parcel has too high of a percentage of building cover based on visual inspection.	2,260.60	24218	ESHELMAN AVE	Lomita CA	90717

PAGE INTENTIONALLY LEFT BLANK

Attachment Q

Field Investigation - Cone Penetrometer Testing

PAGE INTENTIONALLY LEFT BLANK

May 6, 2015
Project No. 209077001

Mr. Richard Haimann
HDR Engineering, Inc.
100 Oceangate, Suite 1120
Long Beach, California 90802

Subject: Cone Penetrometer Testing
Dominguez Channel Watershed
Enhanced Watershed Management Program (EWMP)
County of Los Angeles, California

Dear Mr. Haimann:

In accordance with your request and authorization, we have performed cone penetrometer tests (CPTs) at six locations within the Dominguez Channel watershed boundary in the County of Los Angeles, California (Figure 1). The purpose of our CPT testing was to provide a preliminary assessment of the possible soil types at the selected locations and to correlate the data with ranges of vertical and horizontal hydraulic conductivities for those soil types. The hydraulic conductivities will then be used to estimate possible ranges of infiltration rates for the anticipated on-site soils.

Our services have included: review of geotechnical background information for the selected sites; coordination with City and County personnel for encroachment permits and field work schedules; acquisition of permits with the County of Los Angeles Environmental Health Department to penetrate groundwater; site visits for CPT markout and meetings with city and county representatives to discuss CPT locations and site access; subsurface exploration consisting of one CPT sounding at each location; data compilation and analysis; and preparation of this report.

GEOLOGIC SETTING

The project sites are located at the northwest end of the Peninsular Ranges geomorphic province of southern California (Norris and Webb, 1990). The Peninsular Ranges geomorphic province is characterized by northwest-trending mountain range blocks separated by similarly northwest-

trending faults (Norris and Webb, 1990). The Los Angeles Basin lies within the Peninsular Ranges geomorphic province and has been divided into four structural blocks: the Northwestern Block, the Southwestern Block, the Central Block, and the Northeastern Block. The project sites are located in the Southwestern and Central Blocks of the Los Angeles Basin, which are bounded by the Santa Monica-Hollywood-Raymond fault system to the north and northwest, the Pacific Ocean and Palos Verdes Hills Fault to the southwest, the Whittier-Elsinore fault system to the east., and the San Joaquin Hills and Santa Ana Mountains to the southeast. The Southwestern and Central Blocks are characterized by thick sequences of alluvium overlying Cretaceous to Pleistocene-age sedimentary rocks (Norris and Webb, 1990).

Based on regional geologic mapping, the El Segundo Basin site is underlain by stabilized older eolian deposits (i.e., coastal sand dune deposits) consisting of dense to very dense, well-sorted, fine to medium grained sand and silty sand. The remaining sites located further inland are underlain by older alluvial flood plain deposits consisting of moderately consolidated, poorly sorted, gravel, sand, silt, and clay (Figure 2).

SUBSURFACE EXPLORATION

Our subsurface field work was conducted on April 2, 13, and 20, 2015. The subsurface exploration consisted of six CPT soundings to depths ranging from approximately 16 to 59 feet below the ground surface. The purpose of the CPT soundings was to provide a preliminary assessment of the possible soil types at the selected locations. The approximate locations of the CPT soundings are presented on Figures 3 through 7. Geologic cross-sections showing an illustrated representation of the anticipated soils at the site as encountered in the CPT were prepared for each location and are presented on Figures 8 through 13. The CPT data is presented in Appendix A.

Materials encountered during the CPT soundings generally consisted of alluvium to the depths explored. The alluvium was categorized into various soil behavior types (SBTs) as described in Robertson's (2010a) Guide to Cone Penetration Testing for Geotechnical Engineering. The term "clays" indicates a combination of silty clay and clay, "silt mixture" indicates clayey silt to silty

clay, "sand mixture" indicates silty sand to sandy silt, and "sands" indicate clean sand to silty sand. General descriptions of the materials encountered in the CPTs are provided below.

Chester Washington Golf Course - North

As indicated in CPT-1, the materials encountered at the north location in the Chester Washington Golf Course generally consisted of interbedded layers of clays and silt mixture in the upper 4 feet, sand mixture from 4 feet to 10 feet, interbedded layers of sands and sand mixture from 10 to 34 feet, sand mixture from 34 to 43 feet, and sands from 43 feet to the depth explored. CPT refusal was met at approximately 53.5 feet below the ground surface.

Chester Washington Golf Course - South

As indicated in CPT-2, the materials encountered at the south location in the Chester Washington Golf Course generally consisted of clays in the upper 2 feet, sand mixture from 2 to 20 feet, sands from 20 to 29 feet, silt mixture from 29 to 43 feet, and interbedded layers of sands and sand mixture from approximately 43 feet to the depth explored. CPT refusal was met at approximately 47.9 feet below the ground surface.

El Segundo Basin

As indicated in CPT-3, the materials encountered at the El Segundo Basin site in the City of El Segundo generally consisted of clays in the upper approximately 2 feet, sand mixture from 2 to 5 feet, and sands from 5 feet to the depth explored. CPT refusal was met at approximately 15.9 feet below the ground surface.

Darby Park

As indicated in CPT-4, the materials encountered at the Darby Park site in the City of Inglewood generally consisted of sand mixture in the upper approximately 20 feet, sands from 20 to 25 feet, sand mixture from 25 to 36 feet, silt mixture from 36 to 41 feet, and sand mixture to the depth explored. CPT refusal was met at approximately 43.8 feet below the ground surface.

Ramona Park

As indicated in CPT-5, the materials encountered at the Ramona Park site in the City of Hawthorne generally consisted of interbedded layers of silt mixture and sand mixture in the upper 18 feet and sands from 18 feet to the depth explored. CPT refusal was met at approximately 20.3 feet below the ground surface.

Jim Thorpe Park

As indicated in CPT-6, the materials encountered at the Jim Thorpe Park site in the City of Hawthorne generally consisted of interbedded layers of silt mixture and sand mixture in the upper 16 feet, interbedded layers of clay and silt mixture from 16 to 57 feet, and interbedded layers of silt mixture and sand mixture from 57 feet to the depth explored. CPT refusal was met at approximately 59.2 feet below the ground surface.

HYDRAULIC CONDUCTIVITY

The permeability of earth materials is affected by the percentage of clay, silt, and sand in the soil. Accordingly, coarse grained soils will infiltrate storm water at higher rates than fine grained soils. Other factors can also affect the rate of storm water infiltration in soils, such as soil density, strength of the soil structure, organic matter, and clay mineralogy.

The CPT data collected during our field work was used to estimate the soil behavior types (SBT) based on the normalized SBT Index (I_c) by Robertson (2010b). The SBTs were then correlated with a range of estimated soil permeability (k) values based on the table provided in the published document for estimating soil permeabilities with CPT data. The estimated hydraulic conductivities of the soils encountered in the CPTs at each location are presented in Table 1.

Table 1 – Estimated Hydraulic Conductivity

CPT No.	Location	Depth (feet)	Soil Behavior Type (SBT)[1]	Vertical Conductivity[1] (cm/sec[2])	Horizontal Conductivity[1] (cm/sec[2])
1	Chester Washington Golf Course (North)	0-4	Interbedded Clays & Silt Mixture	1×10^{-8} to 1×10^{-5}	3×10^{-8} to 1×10^{-4}
		4-10	Sand Mixture	1×10^{-5} to 1×10^{-1}	3×10^{-5} to 1
		10-34	Interbedded Sands & Sand Mixture		
		34-43	Sand Mixture		
		43-TD	Sands		

Table 1 – Estimated Hydraulic Conductivity

CPT No.	Location	Depth (feet)	Soil Behavior Type (SBT)[1]	Vertical Conductivity[1] (cm/sec[2])	Horizontal Conductivity[1] (cm/sec[2])
2	Chester Washington Golf Course (South)	0-2	Clays	1×10^{-8} to 1×10^{-6}	
		2-20	Sand Mixture	3×10^{-7} to 1×10^{-1}	3×10^{-6} to 1
		20-29	Sands		
		29-43	Silt Mixture		
		43-TD	Interbedded Sands & Sand Mixture		
3	El Segundo Basin	0-2	Clays	1×10^{-8} to 1×10^{-6}	
		2-5	Sand Mixture	1×10^{-5} to 1×10^{-1}	3×10^{-5} to 1
		5-TD	Sands		
4	Darby Park	0-20	Sand Mixture	3×10^{-7} to 1×10^{-1}	3×10^{-6} to 1
		20-25	Sands		
		25-36	Sand Mixture		
		36-41	Silt Mixture		
		41-TD	Sand Mixture		
5	Ramona Park	0-18	Interbedded Silt Mixture & Sand Mixture	3×10^{-7} to 1×10^{-1}	3×10^{-6} to 1
		18-TD	Sands		
6	Jim Thorpe Park	0-16	Interbedded Silt Mixture & Sand Mixture	3×10^{-7} to 1×10^{-1}	3×10^{-6} to 1
		16-57	Interbedded Clays & Silt Mixture	1×10^{-8} to 1×10^{-5}	3×10^{-8} to 1×10^{-4}
		57-TD	Interbedded Silt Mixture & Sand Mixture	3×10^{-7} to 1×10^{-1}	3×10^{-6} to 1

Notes:
[1] Robertson (2010)
[2] cm/sec – centimeters per second

LIMITATIONS

Our scope of services was limited to one CPT sounding at each location as outlined herein. Our services did not include soil sampling, in-situ infiltration testing, or a geotechnical evaluation of potential impacts at the sites associated with infiltration systems. These services may be performed upon request.

The field evaluation and geotechnical analyses presented in this report have been conducted in general accordance with current engineering practice and the standard of care exercised by reputable geotechnical consultants performing similar tasks in this area. No warranty, expressed or implied, is made regarding the conclusions, recommendations, and professional opinions expressed in this report. Variations may exist and conditions not observed or described in this report may be encountered during further investigation or during construction. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration.

The flow path of infiltration water at the sites is unknown and evaluation of the potential impacts of infiltration was beyond our scope of services.

This report is intended exclusively for use by the client. Any use or reuse of the findings of this report by parties other than the client is undertaken at said parties' sole risk.

We appreciate the opportunity to be of service on this project.

Respectfully submitted,
NINYO & MOORE

Jennifer Schmidt, PG
Project Geologist

Daniel Chu, PhD, PE, GE
Chief Geotechnical Engineer

JRS/LTJ/DBC/mlc/sc

Attachments: References
Figure 1 – Site Locations
Figure 2 – Regional Geology
Figures 3 through 7 – CPT Locations
Figures 8 through 13 – Cross Sections
Attachment A – Cone Penetration Test Data

Distribution: (1) Addressee (via e-mail)

REFERENCES

California Department of Conservation, Division of Mines and Geology, State of California, 1998, Seismic Hazard Evaluation of the Inglewood 7.5-Minute Quadrangle, Los Angeles County, California: Open-File Report 98-18.

California Department of Conservation, Division of Mines and Geology, State of California, 1998, Seismic Hazard Evaluation of the San Pedro 7.5-Minute Quadrangle, Los Angeles County, California: Open-File Report 98-24.

California Department of Conservation, Division of Mines and Geology, State of California, 1998, Seismic Hazard Evaluation of the Torrance 7.5-Minute Quadrangle, Los Angeles County, California: Open-File Report 98-26.

California Department of Conservation, Division of Mines and Geology, State of California, 1998, Seismic Hazard Evaluation of the Venice 7.5-Minute Quadrangle, Los Angeles County, California: Open-File Report 98-27.

California Department of Conservation, Division of Mines and Geology, State of California, 1999, Seismic Hazard Zones Official Map, Inglewood Quadrangle, 7.5-Minute Series: Scale 1:24,000, Open-File Report 98-18, dated March 25.

California Department of Conservation, Division of Mines and Geology, State of California, 1999, Seismic Hazard Zones Official Map, San Pedro Quadrangle, 7.5-Minute Series: Scale 1:24,000, Open-File Report 98-24, dated March 25.

California Department of Conservation, Division of Mines and Geology, State of California, 1999, Seismic Hazard Zones Official Map, Torrance Quadrangle, 7.5-Minute Series: Scale 1:24,000, Open-File Report 98-26, dated March 25.

California Department of Conservation, Division of Mines and Geology, State of California, 1999, Seismic Hazard Zones Official Map, Venice Quadrangle, 7.5-Minute Series: Scale 1:24,000, Open-File Report 98-27, dated March 25.

California Emergency Management Agency, 2009, Tsunami Inundation Map For Emergency Planning, State of California - County of Los Angeles, Torrance and San Pedro Quadrangles, Scale 1:24,000.

California Emergency Management Agency, 2009, Tsunami Inundation Map For Emergency Planning, State of California - County of Los Angeles, Venice Quadrangle, Scale 1:24,000.

City of El Segundo, 1988, As-Built Storm Drain Improvements, Sheet 2 of 6, dated August.

City of Los Angeles Department of Public Works, 2004, Methane and Methane Buffer Zones, Basic Grid Map, Prepared by GIS Mapping, Bureau of Engineering, dated March 31.

Dibblee, T.W., Ehrenspeck, H.E., Ehlig, P.L., and Bartlett, W.L., 1999, Geologic map of the Palos Verdes Peninsula and vicinity, Redondo Beach, Torrance, and San Pedro quadrangles, Los Angeles County, California: Dibblee Foundation, DF-70, Scale 1:24,000.

Dibblee, T.W., and Minch, J.A., 2007, Geologic map of the Venice and Inglewood quadrangles, Los Angeles County, California: Dibblee Foundation, DF-322, Scale 1:24,000.

Google Earth, 2015, http://earth.google.com.

Jennings, C.W., 1962, Geologic Map of California, Long Beach Sheet, Olaf P. Jenkins Edition: California Division of Mines and Geology, Scale 1:250,000.

Norris, R.M., and Webb, R.W., 1990, Geology of California, Second Edition: John Wiley & Sons.

Robertson, P.K., 2010a, Guide to Cone Penetration Testing for Geotechnical Engineering, 4th edition, dated July.

Robertson, P.K., 2010b, Estimating In-Situ Soil Permeability From CPT & CPTu, Proceedings of the 2nd International Symposium on Cone Penetration Testing (CPT 10), Huntington Beach, California.

Saucedo, G.J., Greene, H.G., Kennedy, M.P., and Bezore, S.P., 2003, Geologic Map of the Long Beach 30 x 60 Quadrangle, California, version 1.0.

Soiltest, Inc., Permeability of Earth Materials, undated.

State of California, 1986, Special Studies Zones, Inglewood Quadrangle, 7.5 Minute Series: Scale 1:24,000, dated July 1.

State of California, 1986, Special Studies Zones, Torrance Quadrangle, 7.5 Minute Series: Scale 1:24,000, dated July 1.

Team Dominguez, 2014, Draft Technical Memorandum, Task F.4.2.2 – Preliminary List of Regional Projects – Revised, dated December 15.

United States Department of Agriculture (USDA), Natural Resources Conservation Service, 2008, Soil Quality Indicators, dated June.

United States Geological Survey, 2012, Inglewood, California Quadrangle Map, 7.5 Minute Series: Scale 1:24,000.

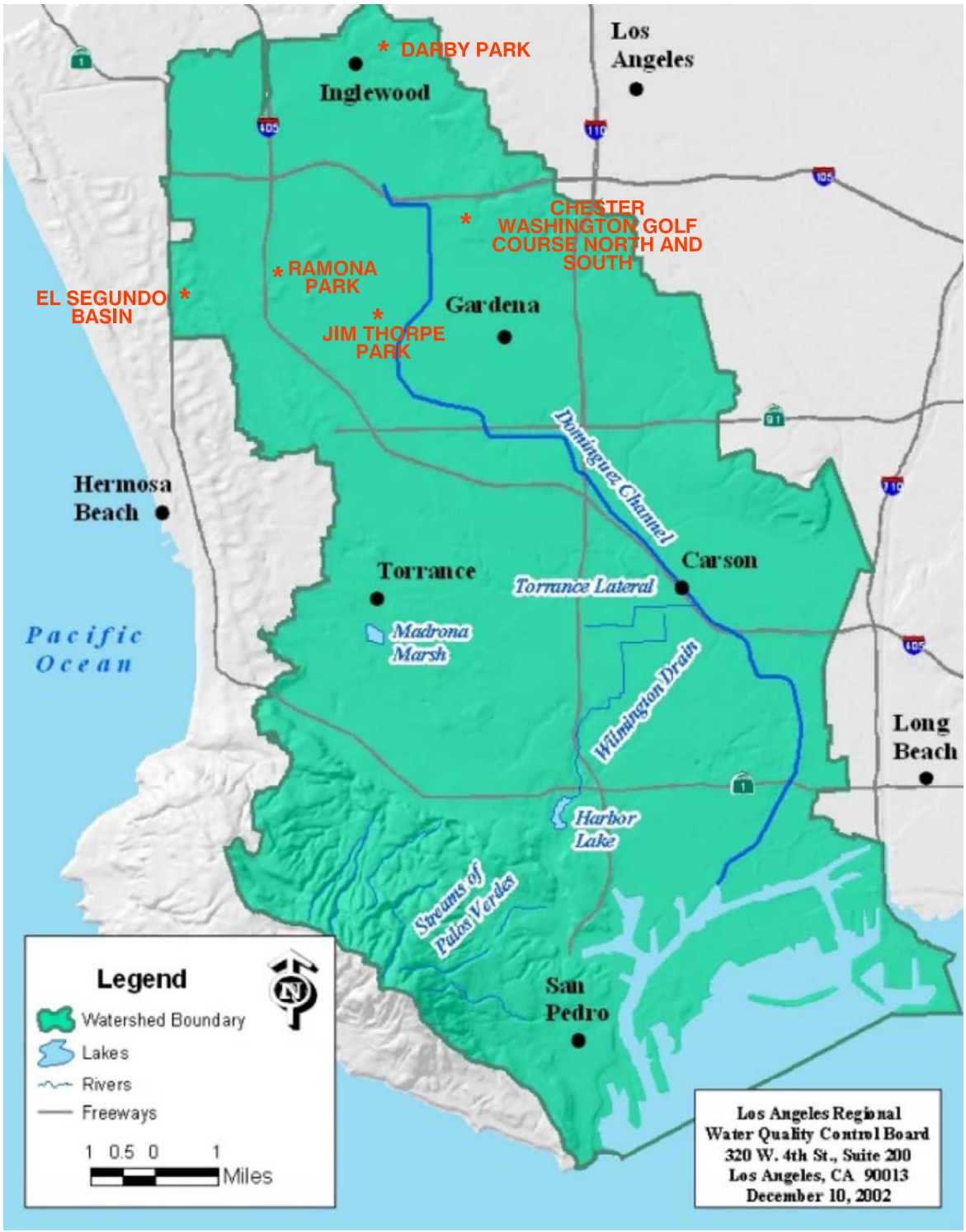
United States Geological Survey, 2012, San Pedro, California Quadrangle Map, 7.5 Minute Series: Scale 1:24,000.

United States Geological Survey, 2012, Torrance, California Quadrangle Map, 7.5 Minute Series: Scale 1:24,000.

United States Geological Survey, 2012, Venice, California Quadrangle Map, 7.5 Minute Series: Scale 1:24,000.

AERIAL PHOTOGRAPHS

Source	Scale	Date	Flight	Numbers
USDA	1:20,000	11-4-52	AXK-4K	135, 136, 170, 171, 173, & 174
		12-4-52	AXK-7K	103, 104, 138, 139, 161, & 162
		6-4-53	AXK-13K	107 & 108



REFERENCE: HDR AND CWE, 2014, POWER POINT PRESENTATION, REASONABLE ASSURANCE ANALYSIS: MOVING FORWARD, DATED DECEMBER 12.

SCALE IN MILES

0 2.5 5

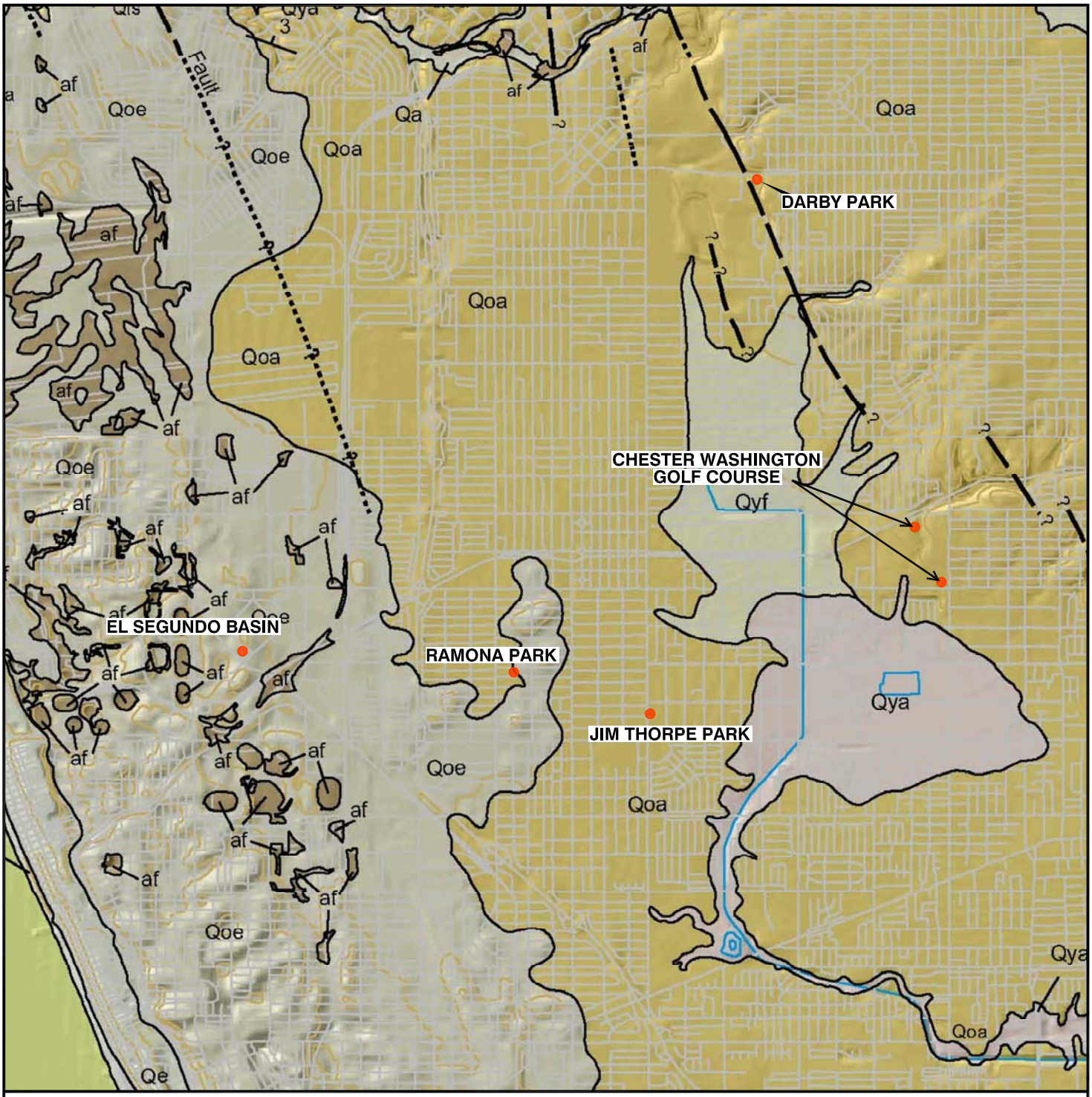
N

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	SITE LOCATIONS	FIGURE
PROJECT NO. 209077001 / DATE 5/15	DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM COUNTY OF LOS ANGELES, CALIFORNIA	1

209077001_SL.dwg 09:53:06 05/06/2015 GK

PAGE INTENTIONALLY LEFT BLANK



REFERENCE: SAUCEDO, G.J., GREENE, H.G., KENNEDY, M.P., AND BEZORE, S.P., 2003, GEOLOGIC MAP OF THE LONG BEACH 30X60 QUADRANGLE, CALIFORNIA, VERSION 1.0.

N

SCALE IN FEET

0 5,000 10,000

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

Qoa	OLD ALLUVIAL FLOOD PLAIN DEPOSITS
Qoe	OLD EOLIAN DEPOSITS
	GEOLOGIC CONTACT
	FAULT; DOTTED WHERE CONCEALED

Ninyo & Moore

REGIONAL GEOLOGY

FIGURE 2

PROJECT NO.	DATE
209077001	5/15

DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

209077001_RG.DWG 08:56:05 05/05/2015 GK

PAGE INTENTIONALLY LEFT BLANK

REFERENCE: TEAM DOMINGUEZ, 2014, DRAFT TECHNICAL MEMORANDUM, TASK F.4.2.2 - PRELIMINARY LIST OF REGIONAL PROJECTS - REVISED, DATED DECEMBER 15.

SCALE IN FEET

0 600 1,200

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

N

LEGEND

CPT-2 (TD=47.9) — CONE PENETROMETER TEST; TD=TOTAL DEPTH IN FEET

B — B' — CROSS SECTION

Ninyo & Moore	CPT LOCATIONS - CHESTER WASHINGTON GOLF COURSE	FIGURE
PROJECT NO. 209077001 / DATE 5/15	DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM COUNTY OF LOS ANGELES, CALIFORNIA	3

209077001_CPTL1.dwg 04:53:19 04/19/2015 GK

PAGE INTENTIONALLY LEFT BLANK

REFERENCE: TEAM DOMINGUEZ, 2014, DRAFT TECHNICAL MEMORANDUM, TASK F.4.2.2 - PRELIMINARY LIST OF REGIONAL PROJECTS - REVISED, DATED DECEMBER 15.

SCALE IN FEET

0 150 300

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

N

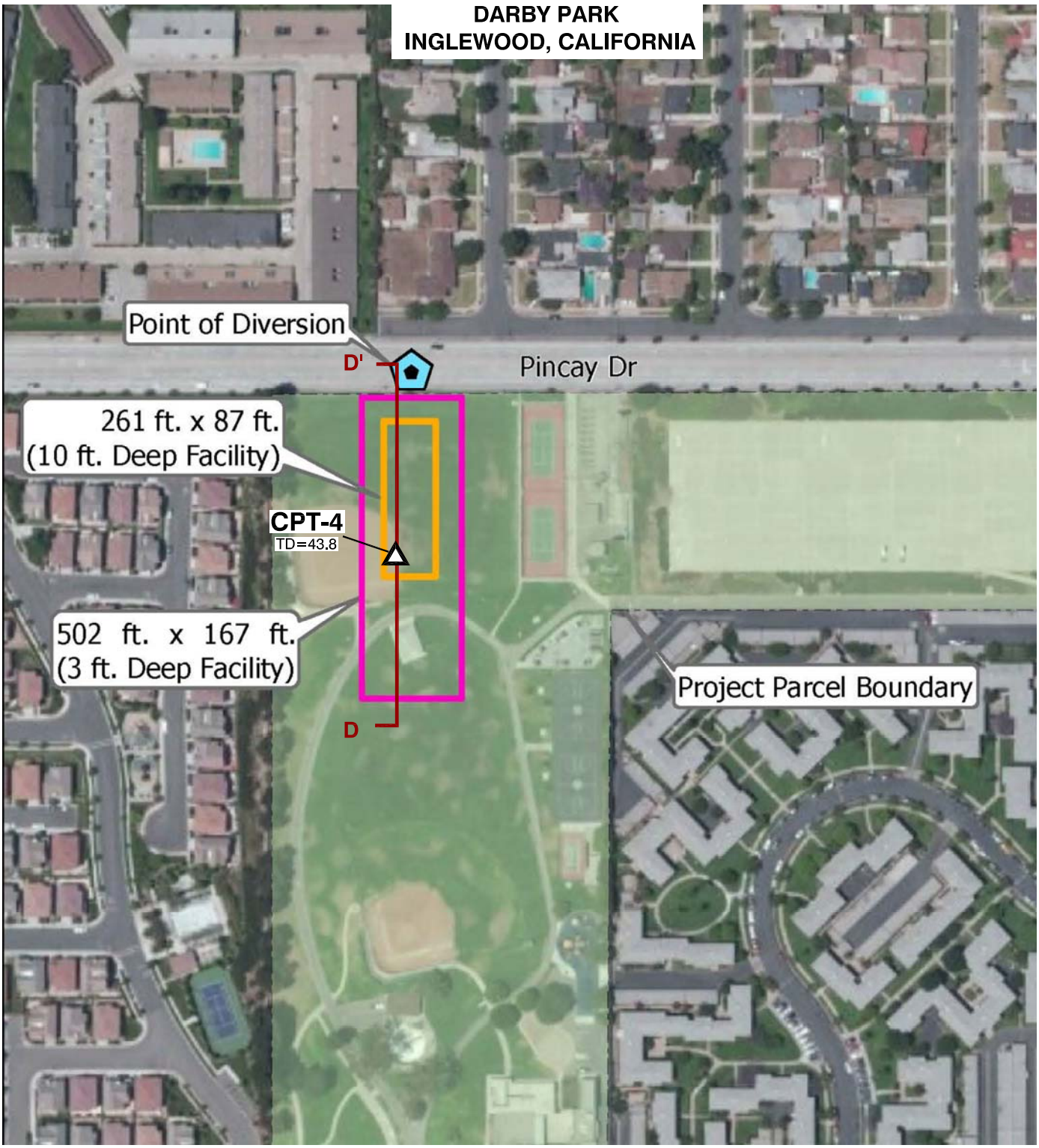
LEGEND	
CPT-3 TD=15.9 △	CONE PENETROMETER TEST; TD=TOTAL DEPTH IN FEET
C — C'	CROSS SECTION

Ninyo & Moore	CPT LOCATION - EL SEGUNDO BASIN	FIGURE
PROJECT NO. 209077001 / DATE 5/15	DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM COUNTY OF LOS ANGELES, CALIFORNIA	4

209077001_CPTL2.dwg 04:53:19 04/19/2015 GK

PAGE INTENTIONALLY LEFT BLANK

DARBY PARK
INGLEWOOD, CALIFORNIA



REFERENCE: TEAM DOMINGUEZ, 2014, DRAFT TECHNICAL MEMORANDUM, TASK F.4.2.2 - PRELIMINARY LIST OF REGIONAL PROJECTS - REVISED, DATED DECEMBER 15.

SCALE IN FEET
0 200 400

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

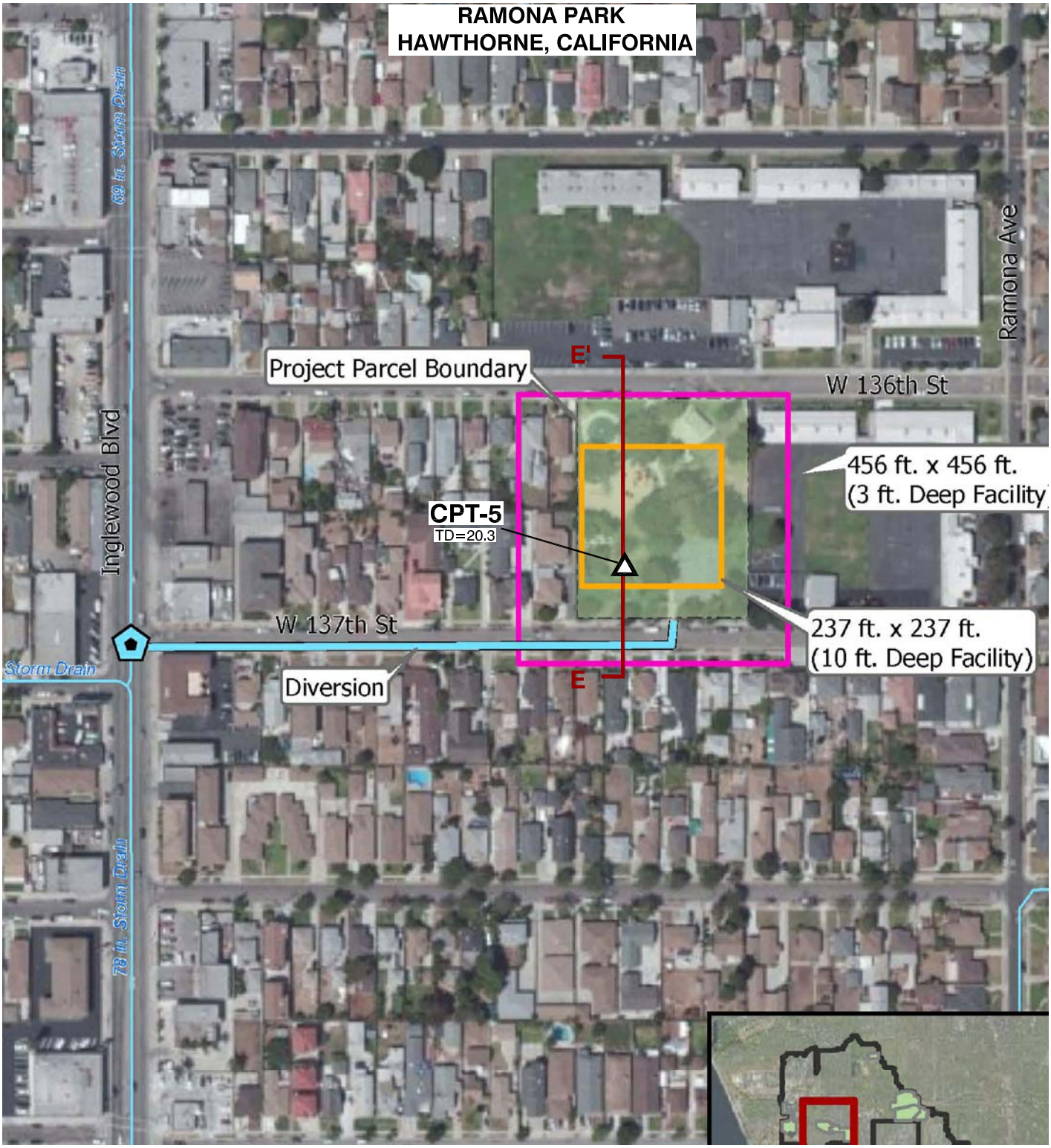
N

LEGEND	
CPT-4 TD=43.8 △	CONE PENETROMETER TEST; TD=TOTAL DEPTH IN FEET
D D'	CROSS SECTION

Ninyo & Moore	CPT LOCATION - DARBY PARK	FIGURE
PROJECT NO. 209077001 / DATE 5/15	DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM COUNTY OF LOS ANGELES, CALIFORNIA	5

209077001_CPTL3.dwg 04:53:19 04/19/2015 GK

PAGE INTENTIONALLY LEFT BLANK



REFERENCE: TEAM DOMINGUEZ, 2014, DRAFT TECHNICAL MEMORANDUM, TASK F.4.2.2 - PRELIMINARY LIST OF REGIONAL PROJECTS - REVISED, DATED DECEMBER 15.

SCALE IN FEET

0 200 400

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

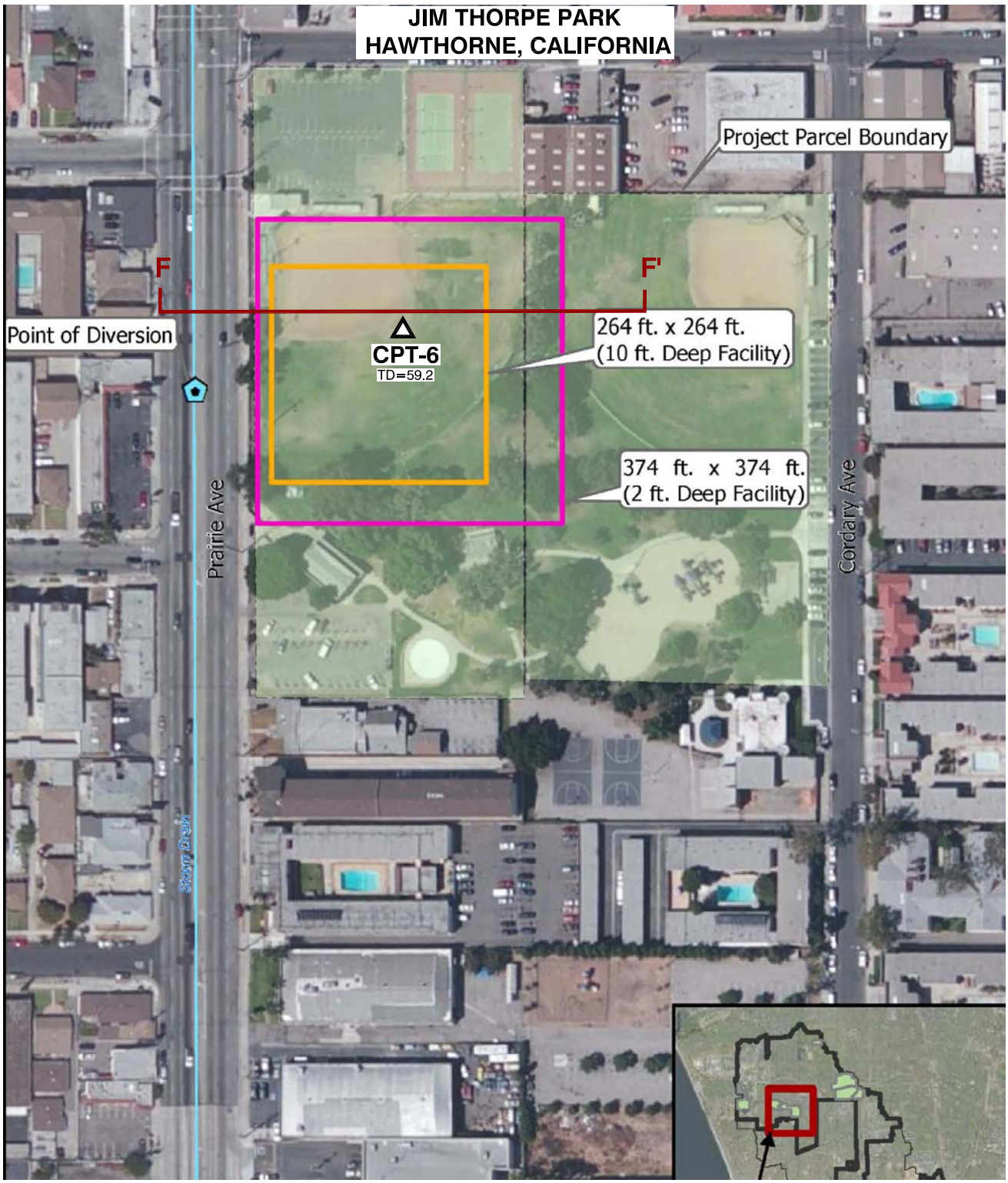
N

LEGEND	
CPT-5 △ TD=20.3	CONE PENETROMETER TEST; TD=TOTAL DEPTH IN FEET
E — E'	CROSS SECTION

Ninyo & Moore		CPT LOCATION - RAMONA PARK	FIGURE
PROJECT NO.	DATE	DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM COUNTY OF LOS ANGELES, CALIFORNIA	6
209077001	5/15		

209077001_CPTL4.dwg 04:53:19 04/19/2015 GK

PAGE INTENTIONALLY LEFT BLANK



REFERENCE: TEAM DOMINGUEZ, 2014, DRAFT TECHNICAL MEMORANDUM, TASK F.4.2.2 - PRELIMINARY LIST OF REGIONAL PROJECTS - REVISED, DATED DECEMBER 15.

SCALE IN FEET

0 150 300

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

N

LEGEND	
CPT-6 TD=59.2 △	CONE PENETROMETER TEST; TD=TOTAL DEPTH IN FEET
F F'	CROSS SECTION

Ninyo & Moore

CPT LOCATION - JIM THORPE PARK

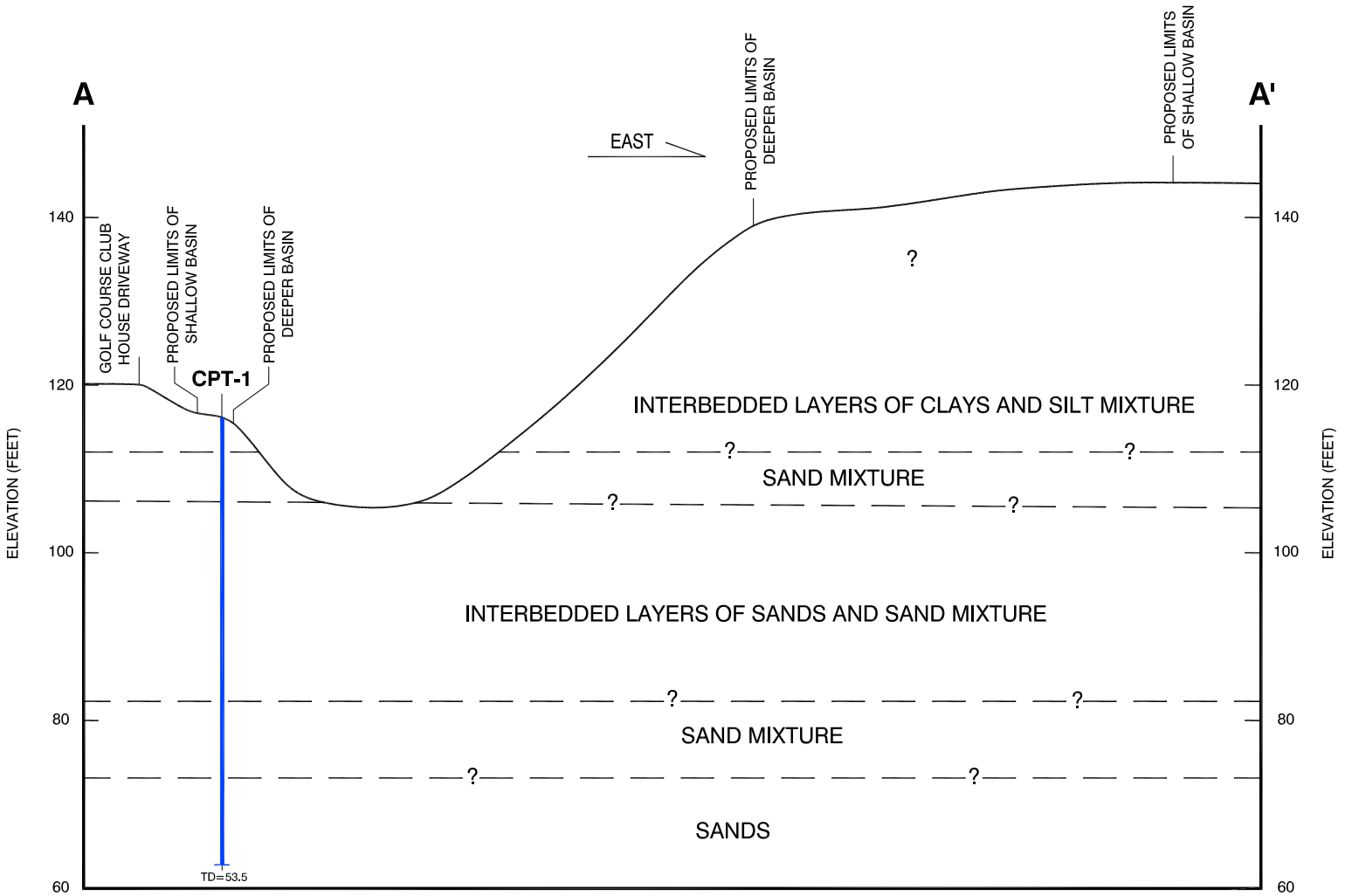
PROJECT NO.	DATE
209077001	5/15

DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE 7

209077001_CPTL5.dwg 04:53:19 04/19/2015 GK

PAGE INTENTIONALLY LEFT BLANK



LEGEND

? GEOLOGIC CONTACT; QUERIED WHERE INFERRED	CPT-1 (TD=53.5) CONE PENETROMETER; TD=TOTAL DEPTH IN FEET

SCALE IN FEET

Horiz.	0	100	200
Vert.	0	20	40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.	DATE
209077001	5/15

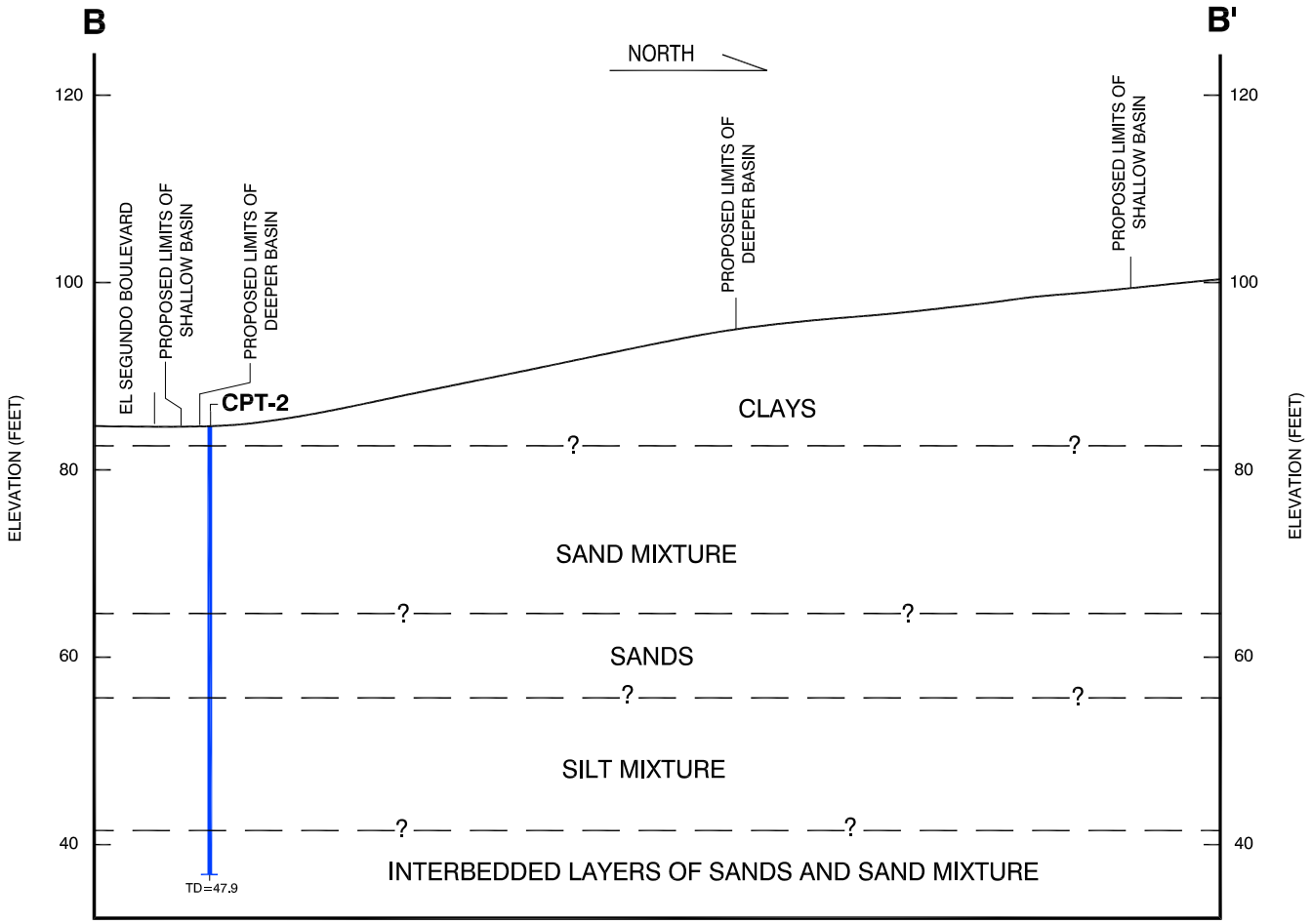
CROSS SECTION A-A' - CHESTER WASHINGTON GOLF COURSE (NORTH)

DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE
8

209077001_CS1.dwg 02/02:56:25 05/04/2015 GK

PAGE INTENTIONALLY LEFT BLANK



LEGEND

GEOLOGIC CONTACT; QUERIED WHERE INFERRED

CPT-2 — CONE PENETROMETER; TD=TOTAL DEPTH IN FEET

TD=47.9

SCALE IN FEET

Horiz.	0	100	200
Vert.	0	20	40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.	DATE
209077001	5/15

CROSS SECTION B-B' - CHESTER WASHINGTON GOLF COURSE (SOUTH)

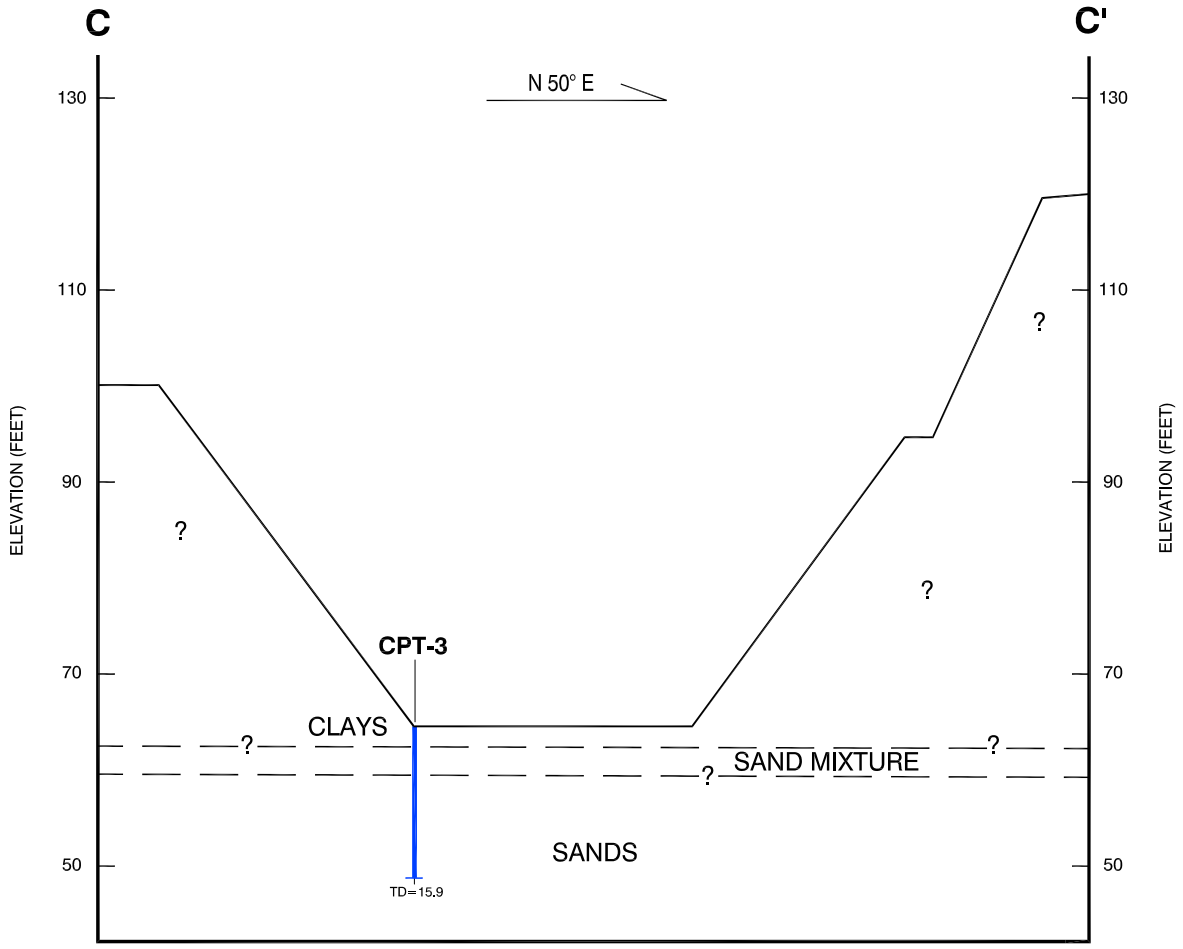
DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE

9

209077001_CS2.dwg 02/02:56:25 05/04/2015 GK

PAGE INTENTIONALLY LEFT BLANK



LEGEND

? GEOLOGIC CONTACT; QUERIED WHERE INFERRED

CPT-3 (TD=15.9) CONE PENETROMETER; TD=TOTAL DEPTH IN FEET

SCALE IN FEET

Horiz.	0	100	200
Vert.	0	20	40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.	DATE
209077001	5/15

CROSS SECTION C-C' - EL SEGUNDO BASIN

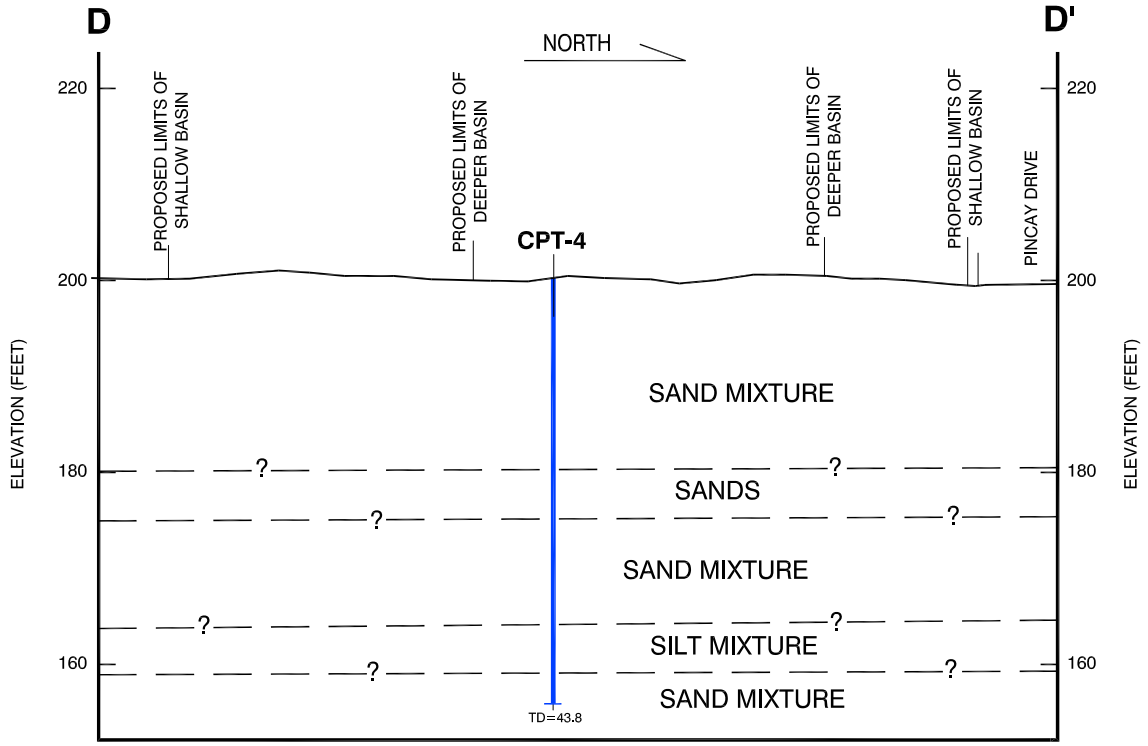
DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE

10

209077001_CS3.dwg 02/02:56:25 05/04/2015 GK

PAGE INTENTIONALLY LEFT BLANK



LEGEND

? GEOLOGIC CONTACT; QUERIED WHERE INFERRED	CPT-4 (TD=43.8) CONE PENETROMETER; TD=TOTAL DEPTH IN FEET

SCALE IN FEET

Horiz.	0	100	200
Vert.	0	20	40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.	DATE
209077001	5/15

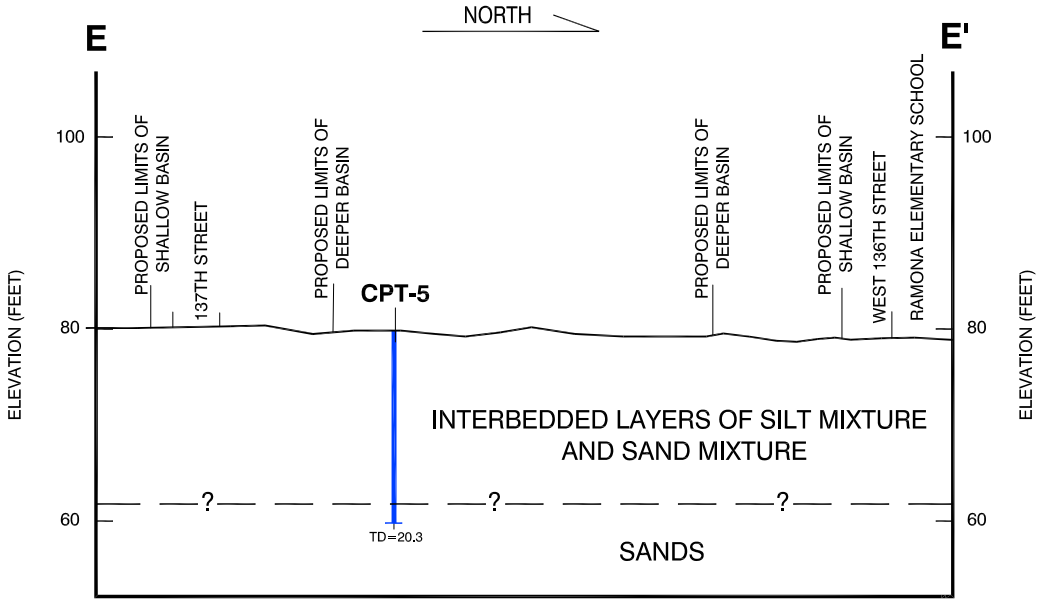
CROSS SECTION D-D' - DARBY PARK

DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE
11

209077001_CS4.dwg 02/02:56:25 05/04/2015 GK

PAGE INTENTIONALLY LEFT BLANK



LEGEND			
?	GEOLOGIC CONTACT; QUERIED WHERE INFERRED	CPT-5 TD=20.3	CONE PENETROMETER; TD=TOTAL DEPTH IN FEET

SCALE IN FEET

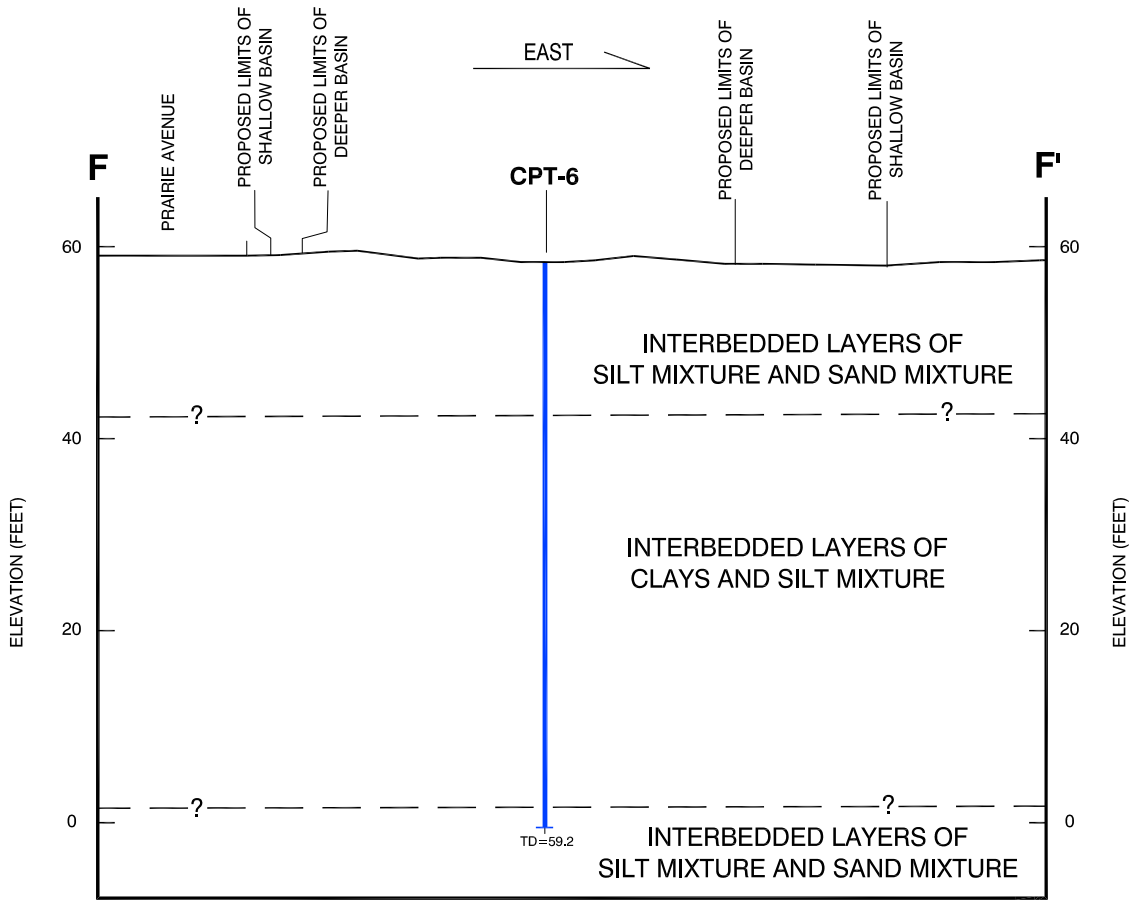
Horiz.	0	100	200
Vert.	0	20	40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	CROSS SECTION E-E' - RAMONA PARK	FIGURE
PROJECT NO. 209077001 / DATE 5/15	DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM COUNTY OF LOS ANGELES, CALIFORNIA	12

209077001_CS5.dwg 02/02:56:25 05/04/2015 GK

PAGE INTENTIONALLY LEFT BLANK



LEGEND

?	GEOLOGIC CONTACT; QUERIED WHERE INFERRED
CPT-6 (TD=59.2)	CONE PENETROMETER; TD=TOTAL DEPTH IN FEET

SCALE IN FEET

Horiz.	0	100	200
Vert.	0	20	40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.	DATE
209077001	5/15

CROSS SECTION F-F' - JIM THORPE PARK

DOMINGUEZ CHANNEL ENHANCED WATERSHED MANAGEMENT PROGRAM
COUNTY OF LOS ANGELES, CALIFORNIA

FIGURE
13

209077001_CS6.dwg 02/02:56:25 05/04/2015 GK

PAGE INTENTIONALLY LEFT BLANK

ATTACHMENT A

CONE PENETRATION TEST DATA

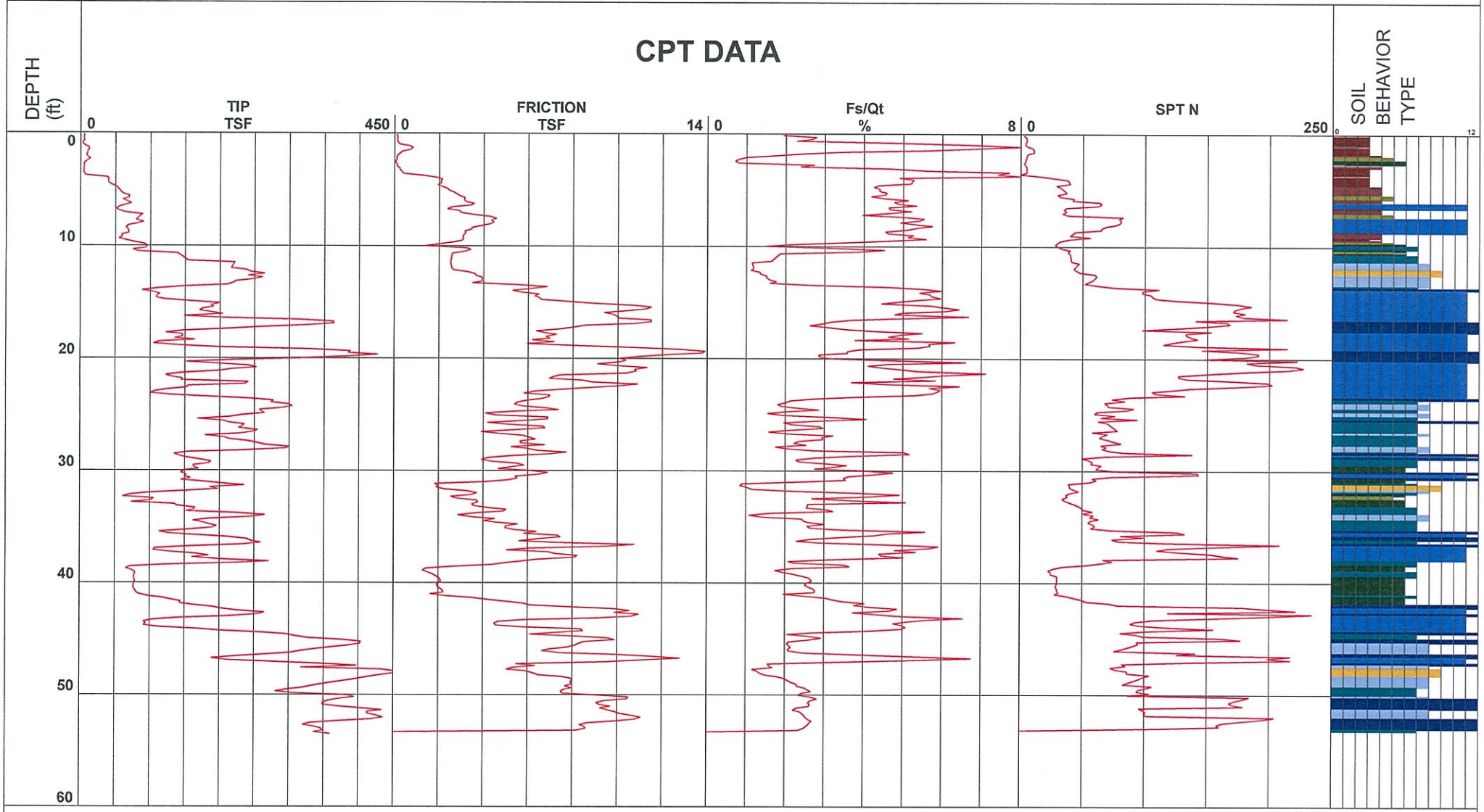
PAGE INTENTIONALLY LEFT BLANK

Ninyo & Moore

Project	Chester Washington Golf Course	Operator	RC-BH	Filename	SDF(345).cpt
Job Number	209077001	Cone Number	DSG0906	GPS	
Hole Number	CPT-01	Date and Time	4/2/2015 8:10:19 AM	Maximum Depth	53.48 ft
EST GW Depth During Test		>53.48 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

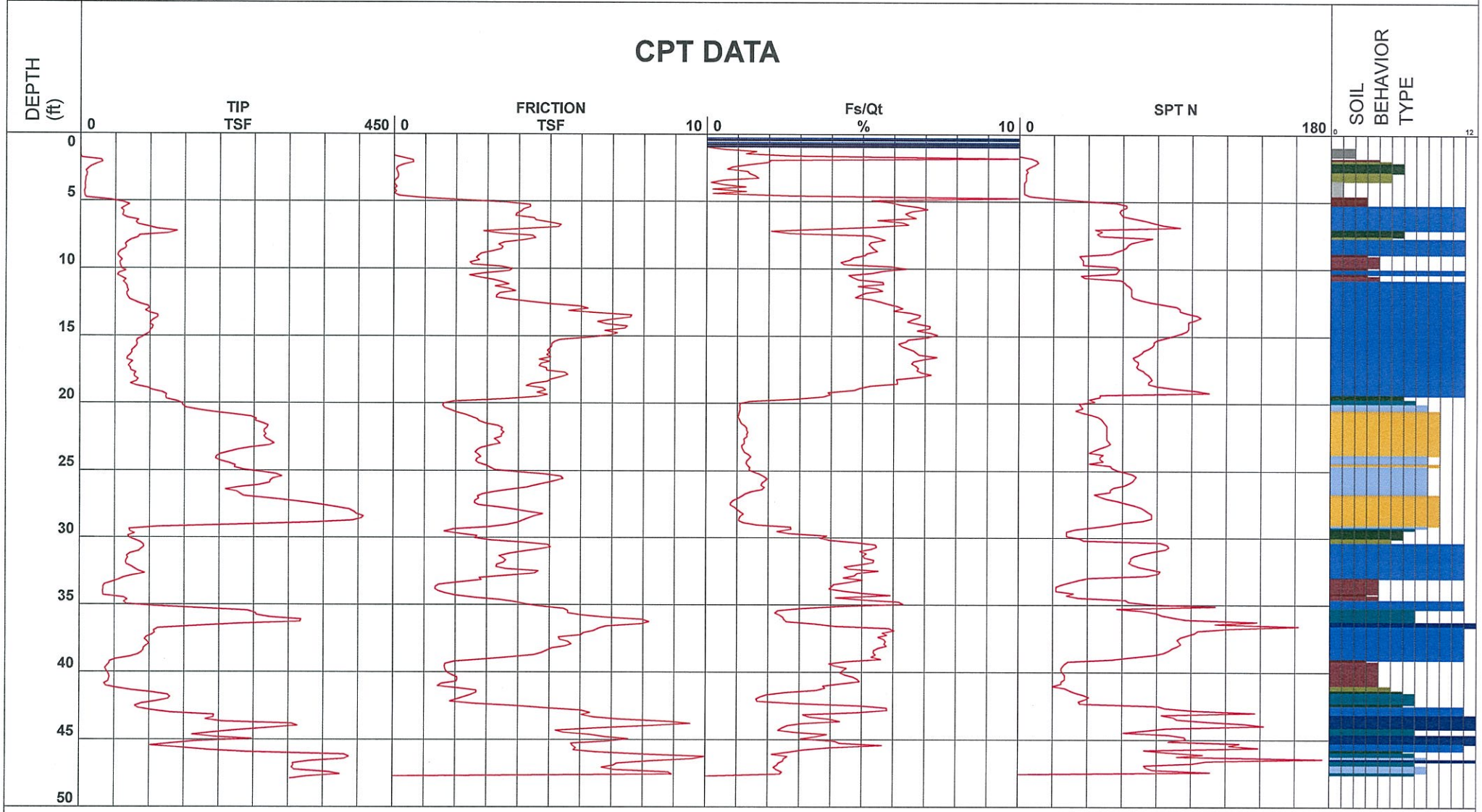
PAGE INTENTIONALLY LEFT BLANK

Ninyo & Moore

Project	Chester Washington Golf Course	Operator	RC-BH	Filename	SDF(346).cpt
Job Number	209077001	Cone Number	DSG0906	GPS	
Hole Number	CPT-02	Date and Time	4/2/2015 10:04:50 AM	Maximum Depth	47.90 ft
EST GW Depth During Test		>47.90 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

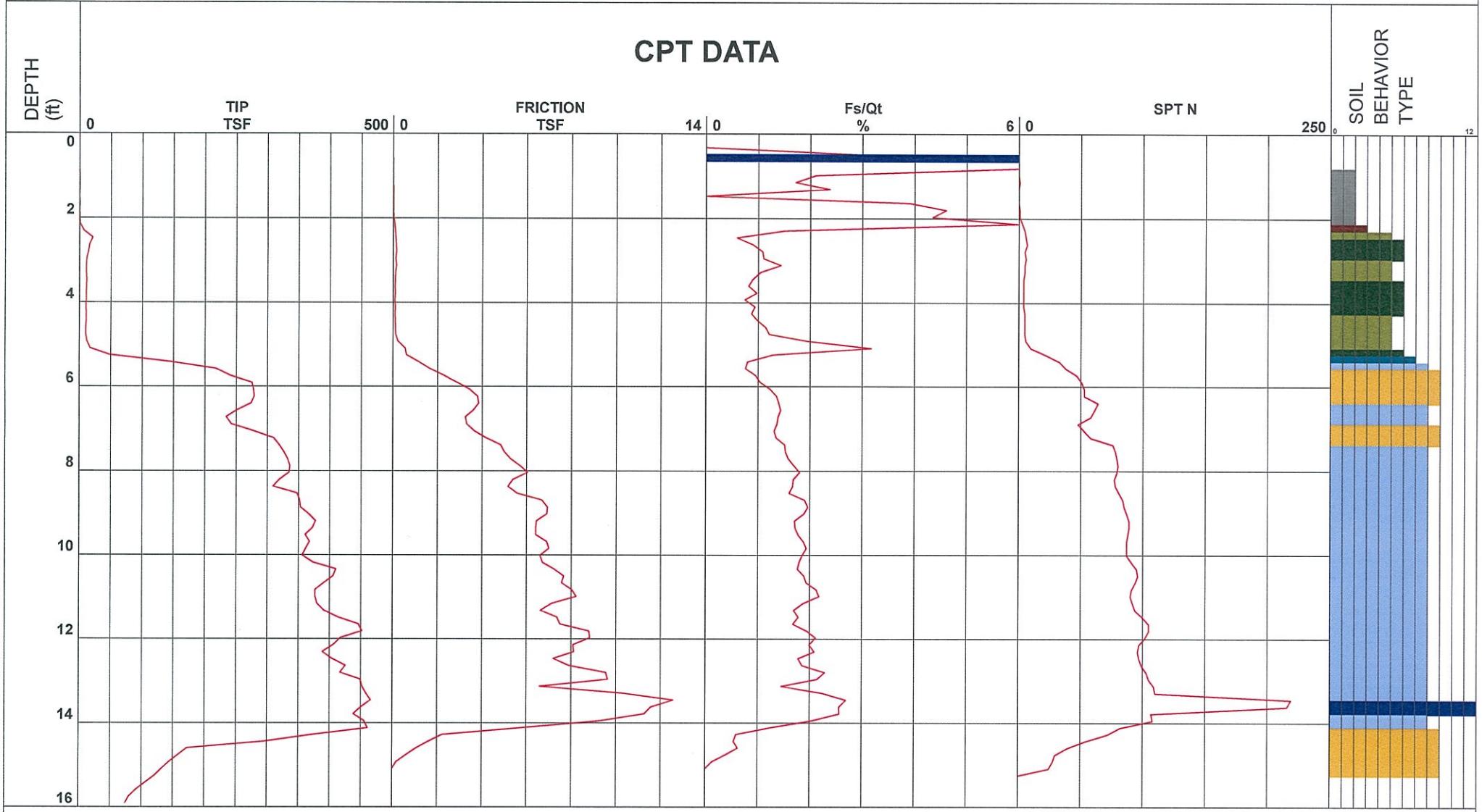
PAGE INTENTIONALLY LEFT BLANK

Ninyo & Moore

Project	El Segundo Project Site	Operator	RC-BH	Filename	SDF(347).cpt
Job Number	209077001	Cone Number	DSG0906	GPS	
Hole Number	CPT-03	Date and Time	4/2/2015 12:15:03 PM	Maximum Depth	15.91 ft
EST GW Depth During Test		>15.91 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

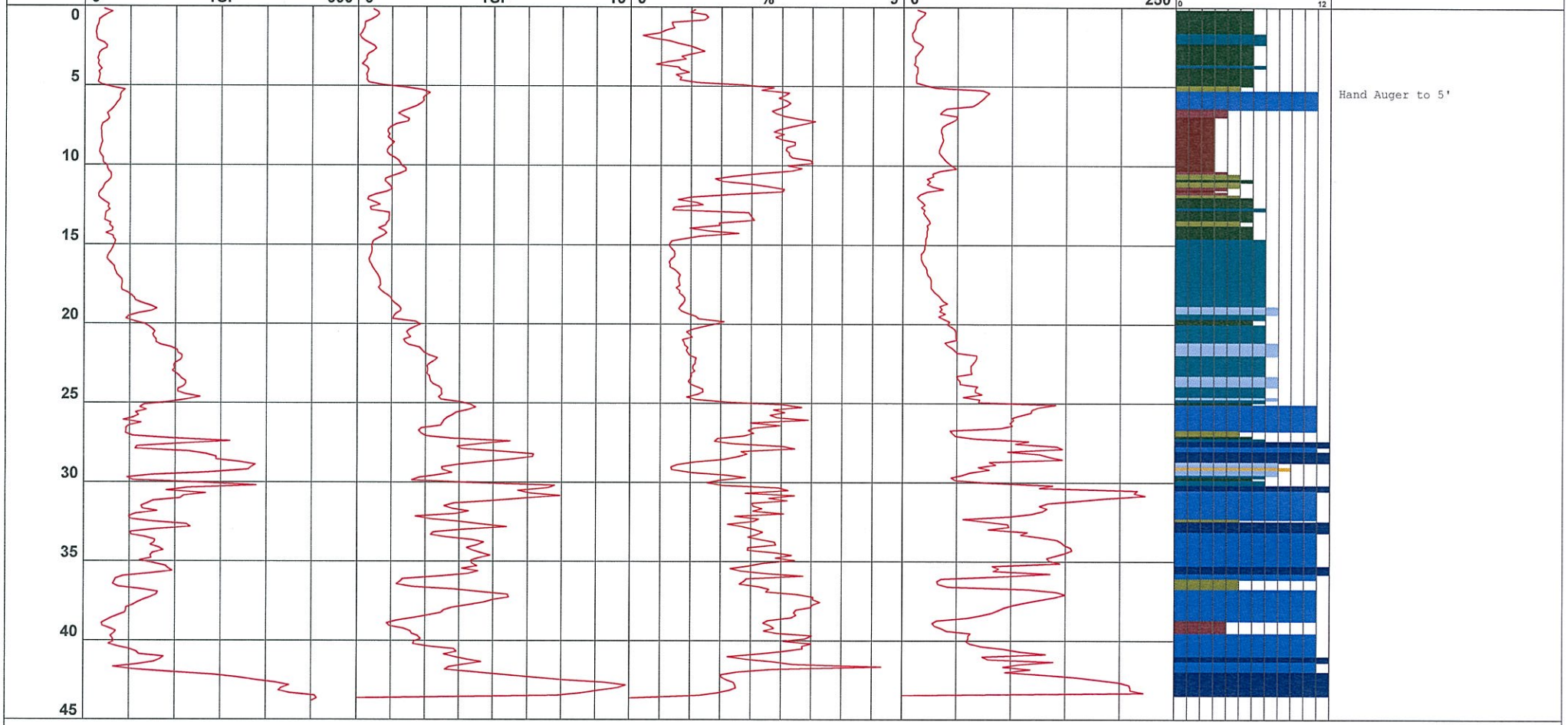
PAGE INTENTIONALLY LEFT BLANK

Ninyo & Moore

Project	Darby Park	Operator	RC-BH	Filename	SDF(363).cpt
Job Number	209077001	Cone Number	DSG0906	GPS	
Hole Number	CPT-04	Date and Time	4/13/2015 2:26:45 PM	Maximum Depth	43.80 ft
EST GW Depth During Test		>43.80 ft			

Net Area Ratio .8

CPT DATA



REMARKS

Hand Auger to 5'

1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

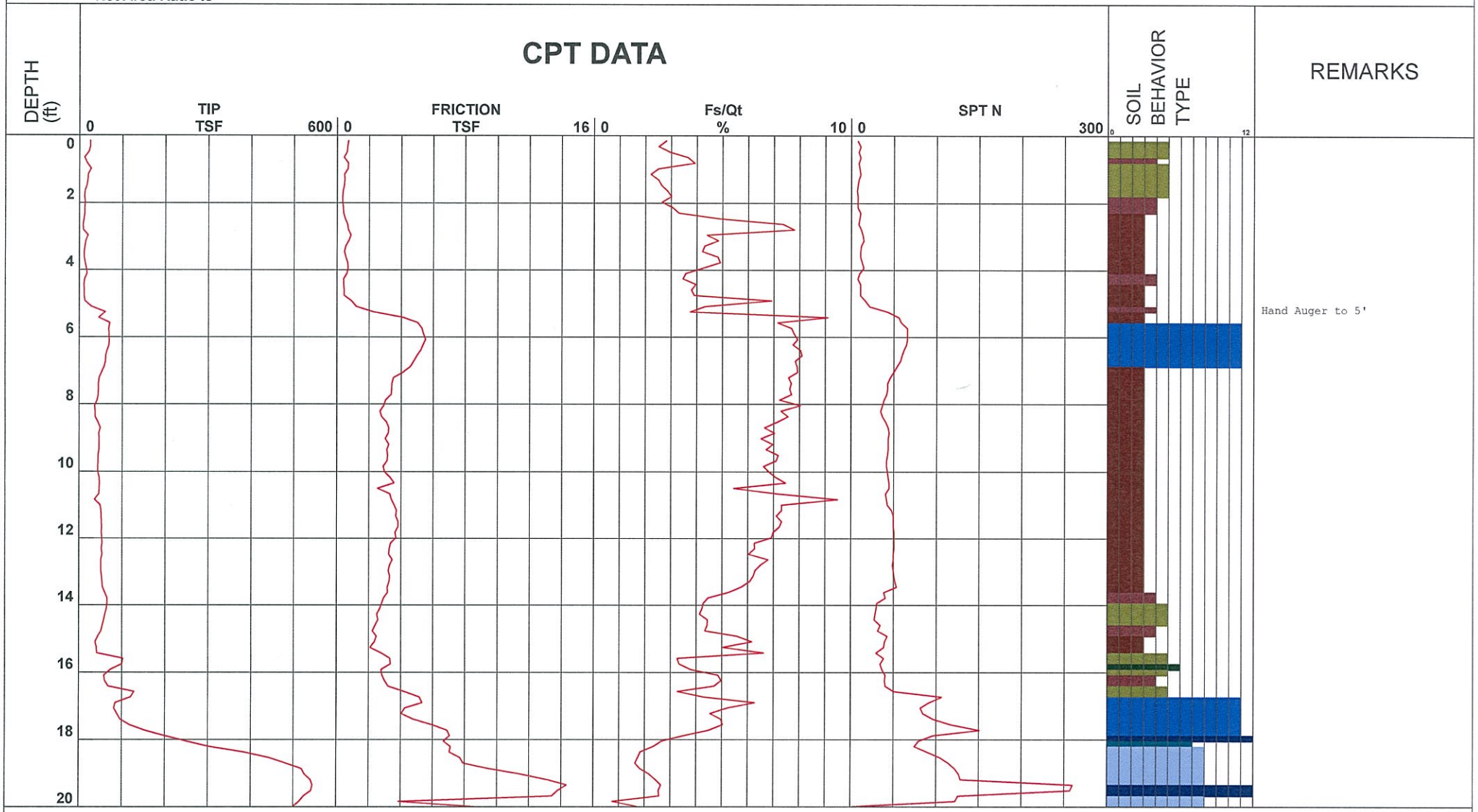
PAGE INTENTIONALLY LEFT BLANK

Ninyo & Moore

Project	Ramona Park	Operator	RC-BH	Filename	SDF(364).cpt
Job Number	20907700101	Cone Number	DSG0906	GPS	
Hole Number	CPT-05	Date and Time	4/13/2015 4:31:08 PM	Maximum Depth	20.34 ft
EST GW Depth During Test		>20.34 ft			

Net Area Ratio .8

CPT DATA



REMARKS

Hand Auger to 5'

1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

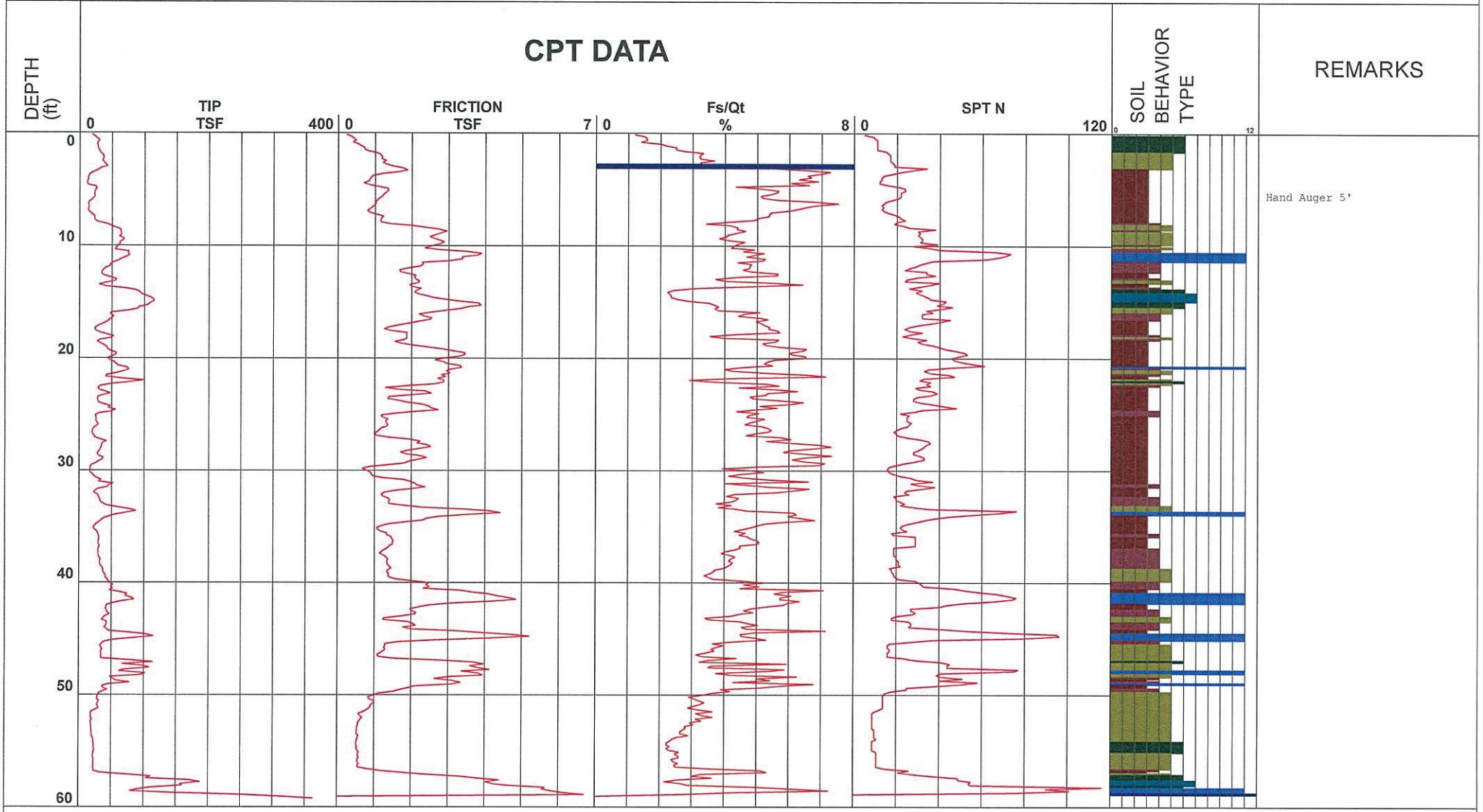
PAGE INTENTIONALLY LEFT BLANK

Ninyo & Moore

Project	Jim Thorpe Park	Operator	RC-BH	Filename	SDF(384).cpt
Job Number	209077001	Cone Number	DDG1281	GPS	
Hole Number	CPT-06	Date and Time	4/20/2015 10:52:26 AM	Maximum Depth	59.22 ft
EST GW Depth During Test		>59.22 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

PAGE INTENTIONALLY LEFT BLANK

Attachment R

Green Streets TM

PAGE INTENTIONALLY LEFT BLANK

1 Distributed Project (Green Streets)

Once hydrologic and loading scenarios are simulated with the regional BMP implementation, the volume associated with capturing the remainder of the 90th percentile load for the limiting pollutant was determined. Then, the lane miles of green streets to achieve this storage volume was determined. The stormwater volume used is associated with zinc for most of DC WMG as discussed in the DC WMG EWMP. The green streets represent distributed BMPs and are modeled to the extent that the required volume reduction is satisfied. Green streets were used as distributed BMPs as they are located in the public right-of-way, are distributed throughout the DC WMG area, and could be easily implemented as streets are rehabilitated. The volume reduction provided by a green street can be replaced with alternative distributed BMPs as desired. The Port of Los Angeles will not implement green streets due to jurisdictional preferences. The mitigation volume required for loads related to the Port will be mitigated by implementing additional green streets throughout the City of Los Angeles and through the Port's new and re-development program.

A green streets analysis was performed for the entire DC WMG area to determine which streets are most suitable for green street implementation. The following criteria were examined and ranked to establish a green street implementation hierarchy:

1. Slope
2. Soil infiltration capacity
3. Street type

Each criterion was analyzed based on the methodology described below. A ranking system was developed, which was used to classify streets in terms of their potential as green streets (high, medium, or low). The analysis was performed using ArcGIS and Microsoft Excel. Once the streets were ranked for their feasibility as green streets, a subarea analysis was conducted to determine which streets within each subarea would need to be implemented as a green street to satisfy the 85th percentile storm event volume criteria and the 90th percentile load criteria.

Slope

Streets with milder slopes are more appropriate for green streets as they are able to provide a greater capacity than streets with a steeper slope. The slope of each street within the DC WMG was determined by first creating a raster defining the slopes throughout the area using a contour shapefile. The raster was then converted into a shapefile so that a slope could be assigned to each street. The streets were then ranked based on the slope values as described in **Table 1-1**. **Figure 1-1** illustrates the slopes found within the DC WMG.

Table 1-1 Slope Ranking Summary

Slope (%)	Ranking Value
0	10
1	8
2	6
3	4
4	2

*Note: Streets with slopes above 4% were excluded from the analysis.

Soil (Infiltration Capacity)

The soil type along each street was determined and the associated infiltration capacity (Ksat) was used to rank the streets. The streets with underlying soils with a higher infiltration capacity were assigned a higher score as these streets would offer more of a benefit as green streets than streets whose underlying soils are not conducive to infiltration. The soil types were determined based on the Los Angeles County Hydrology Manual (2006) soil types and the associated infiltration capacities are based on the Structural BMP Prioritization and Analysis Tool (SBPAT). Each street was clipped using the soil shapefile, so that street segments did not cross multiple soil types, and were assigned a ranking value based on **Table 1-2**. **Figure 1-2** illustrates the soil types found within the DC WMG.

Table 1-2 Soil Ranking Summary

Soil Type	Infiltration Capacity (Ksat)	Ranking Value
14	0.81	10
3	0.77	9
10	0.74	8
15	0.72	7
13	0.45	6
4	0.40	5
16	0.36	4
6	0.33	3
9	0.27	2

*Note: Soil types with an infiltration capacity lower than 0.36 were excluded from the analysis.

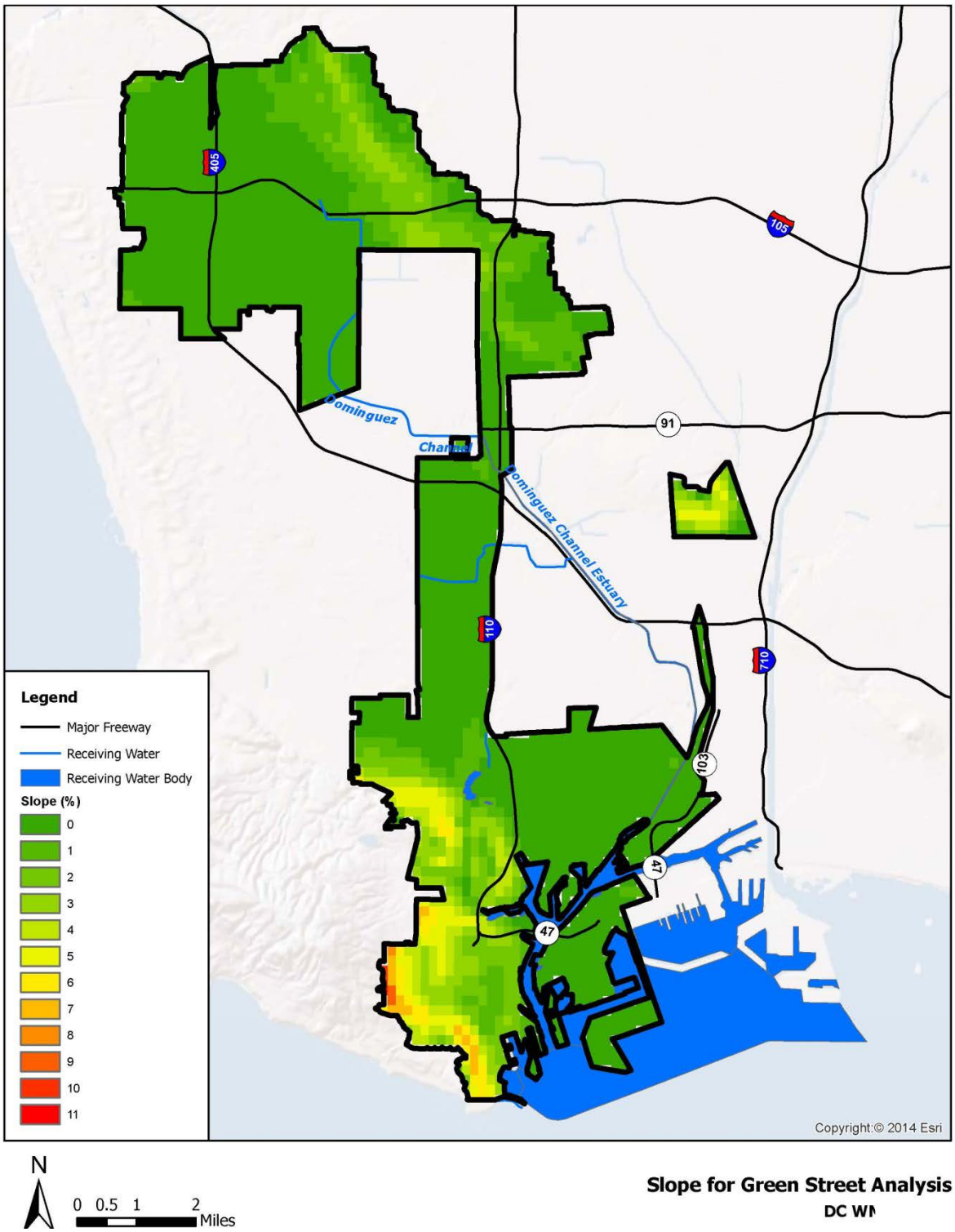


Figure 1-1 Slope for Green Street Analysis

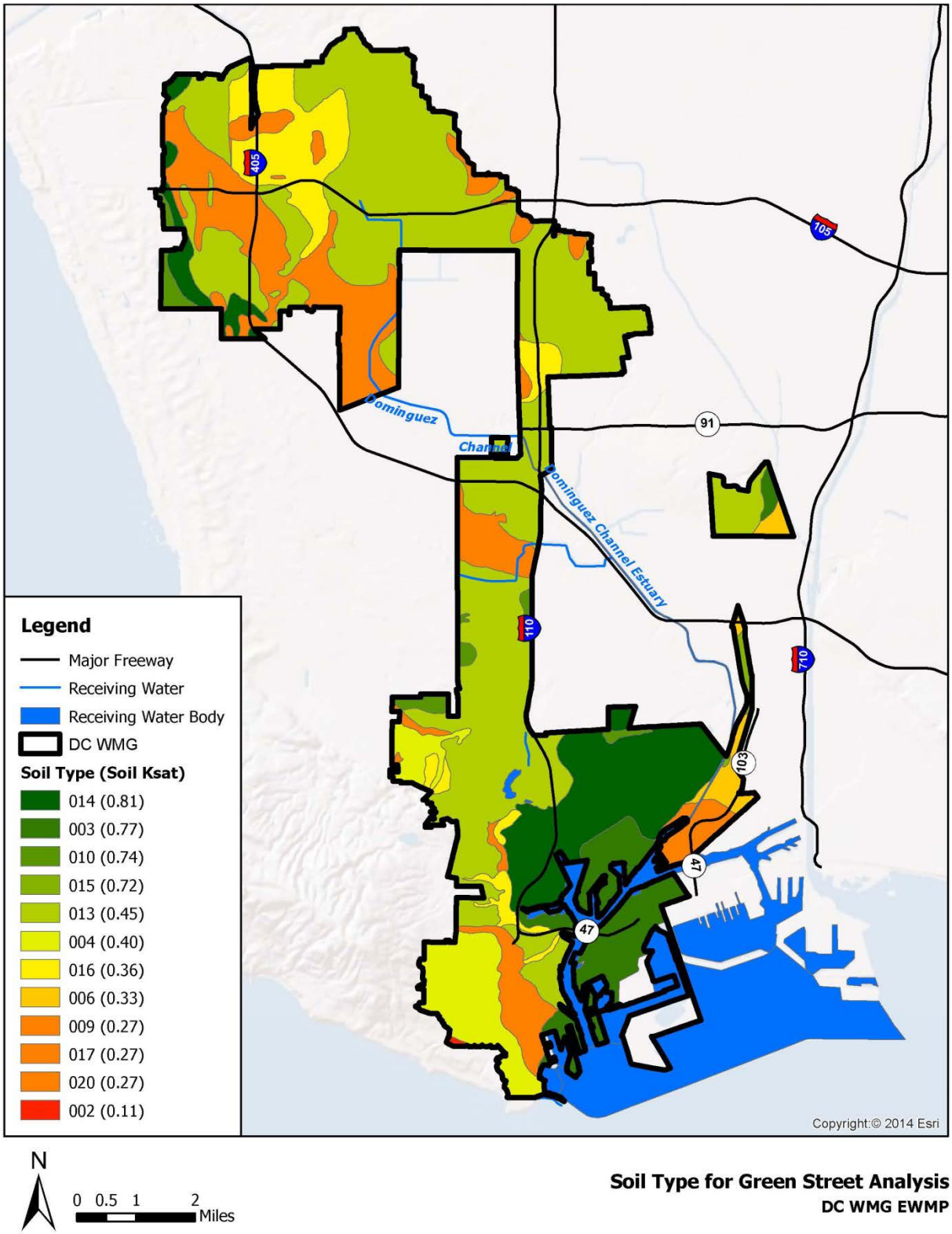


Figure 1-2 Soil for Green Street Analysis

Street Type

The street type was used to rank green street opportunities, as different types of streets offer different opportunities. Wider streets, such as major streets, provide a larger area which can be used to treat stormwater. Private streets and major freeways are some examples of streets that do not provide feasible opportunities. The Countywide Address Management System (CAMS) created a shapefile for street centerlines in Los Angeles County based on the 2010 TIGER roads file developed by the Census Bureau. The CAMS shapefile includes attributes, such as street type, which were are not included in the TIGER roads. The attribute in the CAMS shapefile was used to define the street type for the streets within DC WMG. Each street within the DC WMG was classified based on standard street types and were ranked as described in **Table 1-3**.

Table 1-3 Street Type Ranking Summary

Street Type	Ranking Value
Highway and/or Primary-Arterial	10
Secondary-Collector	8
Minor-Local	6
Alley	4

*Note: Street types not included in the list above were excluded from the analysis.

1.1 Green Street Ranking

During the green street analysis, streets were clipped at the jurisdictional boundaries and tagged with the jurisdiction within which it exists. This was not used to rank the streets, but simply to determine what jurisdiction the street was in so that in the future it will be easy to identify the green street needs within each jurisdiction.

After each street was clipped, tagged, and given a ranking value based on the slope, soil, and street type, the score was determined for each street by adding up the value for each of the criteria. The scores ranged from 4 to 30 and were further classified as described in **Table 1-4**. **Figure 1-3** illustrates the green street rankings within the DC WMG.

Table 1-4 Green Street Ranking Summary

Score Range	Green Street Ranking
20-30	High
15-19	Medium
4-14	Low

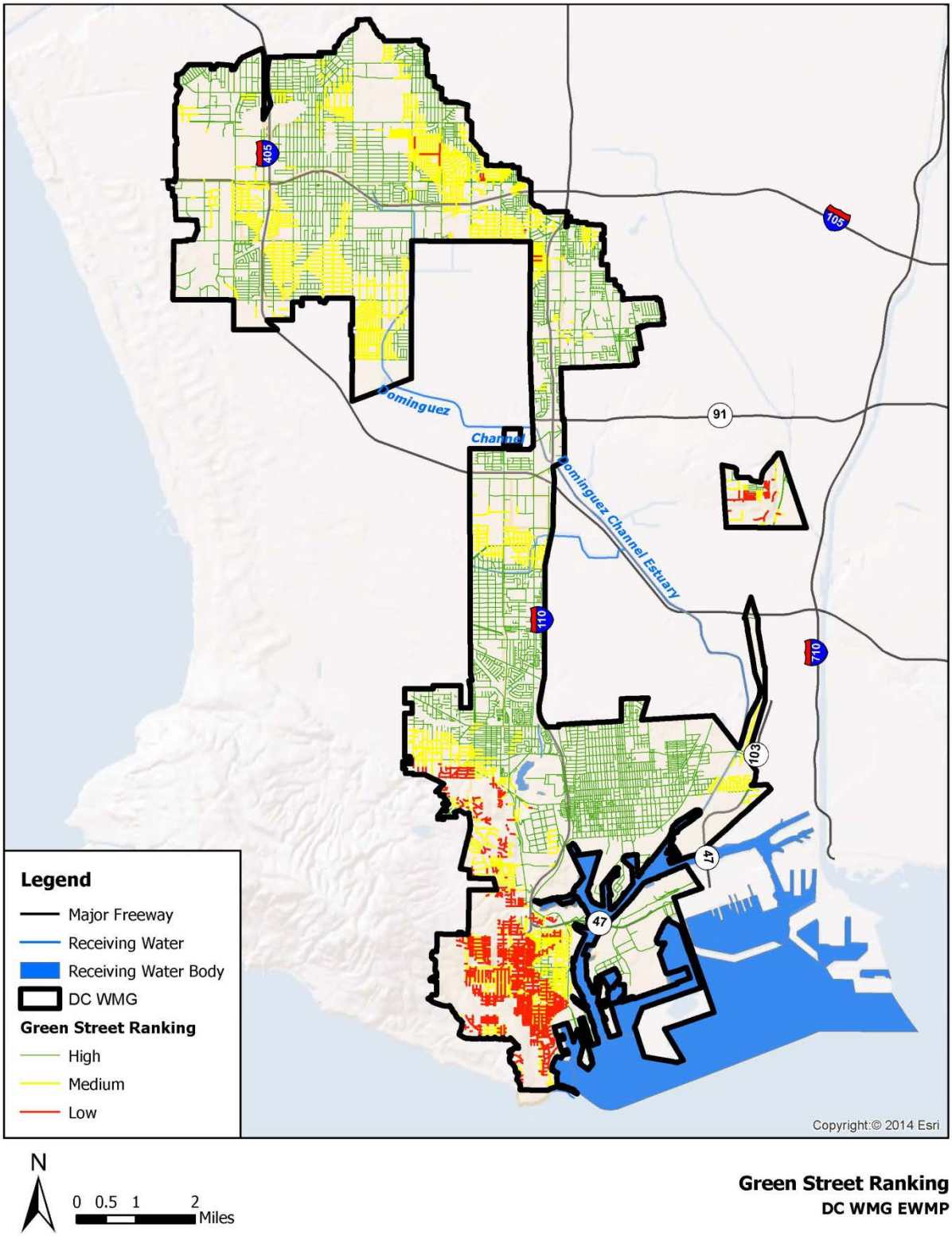


Figure 1-3 Green Street Ranking

1.2 Green Street Subarea Analysis

Using the street rankings identified through the green street analysis described above, each subarea within the DC WMG was analyzed to determine a combination of streets that would satisfy the 85th percentile, 24-hour storm volume criteria or the 90th percentile load criteria as determined by the LSPC, whichever was greater. Subarea characteristics influenced which criteria controls implementation efforts. Green street implementation was determined based on the criteria that had the greater volume capture or load reduction requirement.

To perform this analysis, the green street rankings were clipped at the subarea level. The streets within the subarea were analyzed to determine the number of lanes, which was then associated with the lane miles provided by each street segment. Streets were then manually selected throughout the subarea until the number of lane miles selected for green streets satisfied the greater of the volume or load criterion. The lane mile needs were determined assuming a lane is ten feet wide and three feet of storage with thirty-three percent void space would be provided beneath the street. Using these assumptions, ten cubic feet of storage would be provided per foot of street length within each lane.

Streets were strategically selected throughout the subareas. Capital improvement plans identifying the streets planned for rehabilitation were reviewed and those planned for 2017 or later were selected first along with high ranking streets. These streets are always the best alternative and then streets were compared with the existing topography, storm drain, and catch basin alignments. Streets that were ranked low were never selected as they represent the least feasible options. Streets that run parallel to contours were selected over those that were perpendicular to contours. In some instances, the topography was not used as the determining factor. Streets that contained storm drains and catch basins were given preference since the drains show that they receive flow from the surrounding areas and would be beneficial as green streets. Also, major streets were preferred over residential streets, as they provide a greater number of lane miles, therefore less streets would be disturbed throughout the implementation process. Using ArcGIS and Microsoft Excel, streets were chosen to be implemented as green streets until the greater of the 85th percentile volume and 90th percentile load criteria were satisfied.

Figure 1-4 illustrates one example of an individual subarea analysis**.** **Attachment A** contains a table listing all of the streets analyzed and selected by subarea and jurisdiction within the DC WMG. The streets that are to be implemented as green streets are shown in the figure as bold green lines and are marked "G" in the "Selected?" column in the table. For areas within the Port of Los Angeles jurisdiction, green streets were not recommended due to jurisdictional implementation preferences. Additional green streets will be implemented throughout the City of Los Angeles to cover the implementation requirements in the Port. The Port will also implement their new and re-development program which will introduce distributed BMPs over time as areas are developed.

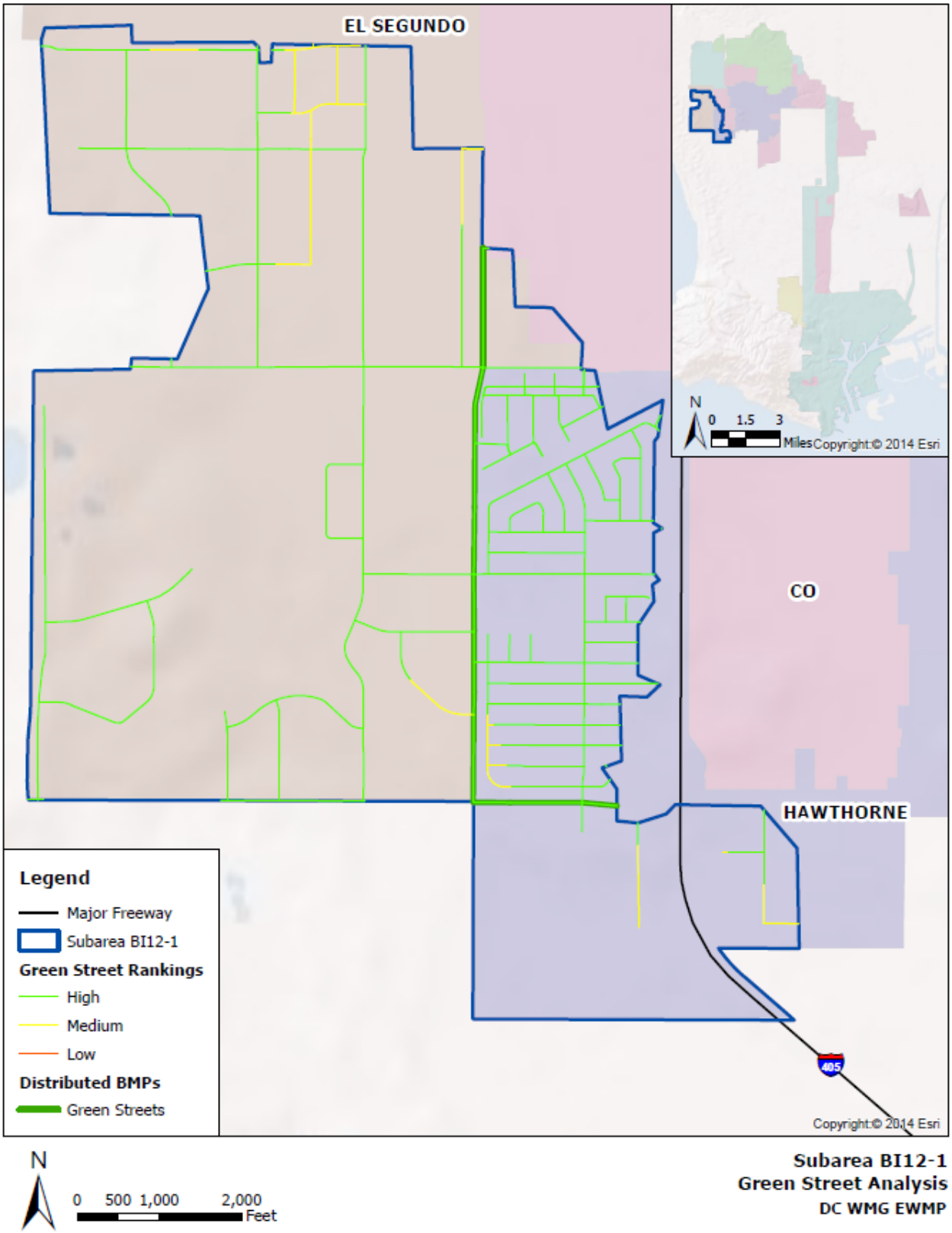


Figure 1-4 Green Street Analysis for Subarea BI12-1

1.3 Green Street Implementation Summary

The implementation needs based on the subarea analysis were merged together once completed to determine the quantity of green streets required by jurisdiction and subarea. **Table 1-5** identifies the lane mile needs for each jurisdiction within the DC WMG within each of the major watersheds analyzed.

Table 1-5 Green Street Implementation Summary by Jurisdiction

Jurisdiction	Green Street Lane Miles	Percent by Agency
Dominguez Channel Watershed		
El Segundo	5	2%
Hawthorne	61	30%
Inglewood	33	16%
Los Angeles	43	21%
County Unincorporated	64	31%
Watershed Subtotal:	**206**	**100%**
Dominguez Channel Estuary Watershed		
Los Angeles	20	25%
County Unincorporated	61	75%
Watershed Subtotal:	**81**	**100%**
Wilmington Drain Watershed		
Lomita	0	-
Los Angeles	0	-
County Unincorporated	0	-
Watershed Subtotal:	**0**	**-**
Machado Lake Watershed		
Lomita	0	0%
Los Angeles	9	100%
Watershed Subtotal:	**9**	**100%**
Harbor Watershed		
Lomita	0	0%
Los Angeles	112	98%
County Unincorporated	3	2%
Watershed Subtotal:	**115**	**100%**
Total:	**411**	-

Figure 1-5 illustrates the lane miles required throughout the DC WMG, compiling the information from the subarea analysis. Similar to the subarea map, the green street recommendations are shown as bold green lines. The figure also shows the subareas that are completely within a regional project tributary area, as green streets are not required in these subareas as they are mitigated by the regional project.

Attachment B contains a subarea summary table listing the subarea requirements along with the lane miles provided. A figure is also included so that subareas names can be associated spatially. Where it is impractical to implement enough BMPs within a specific subarea, other BMPs are implemented throughout the watershed to provide the required volume and load reductions. Additionally, **Attachment C** contains figures of each of the major watersheds and the subareas in which green streets are porposed, illustrating the streets that were selected as green streets.

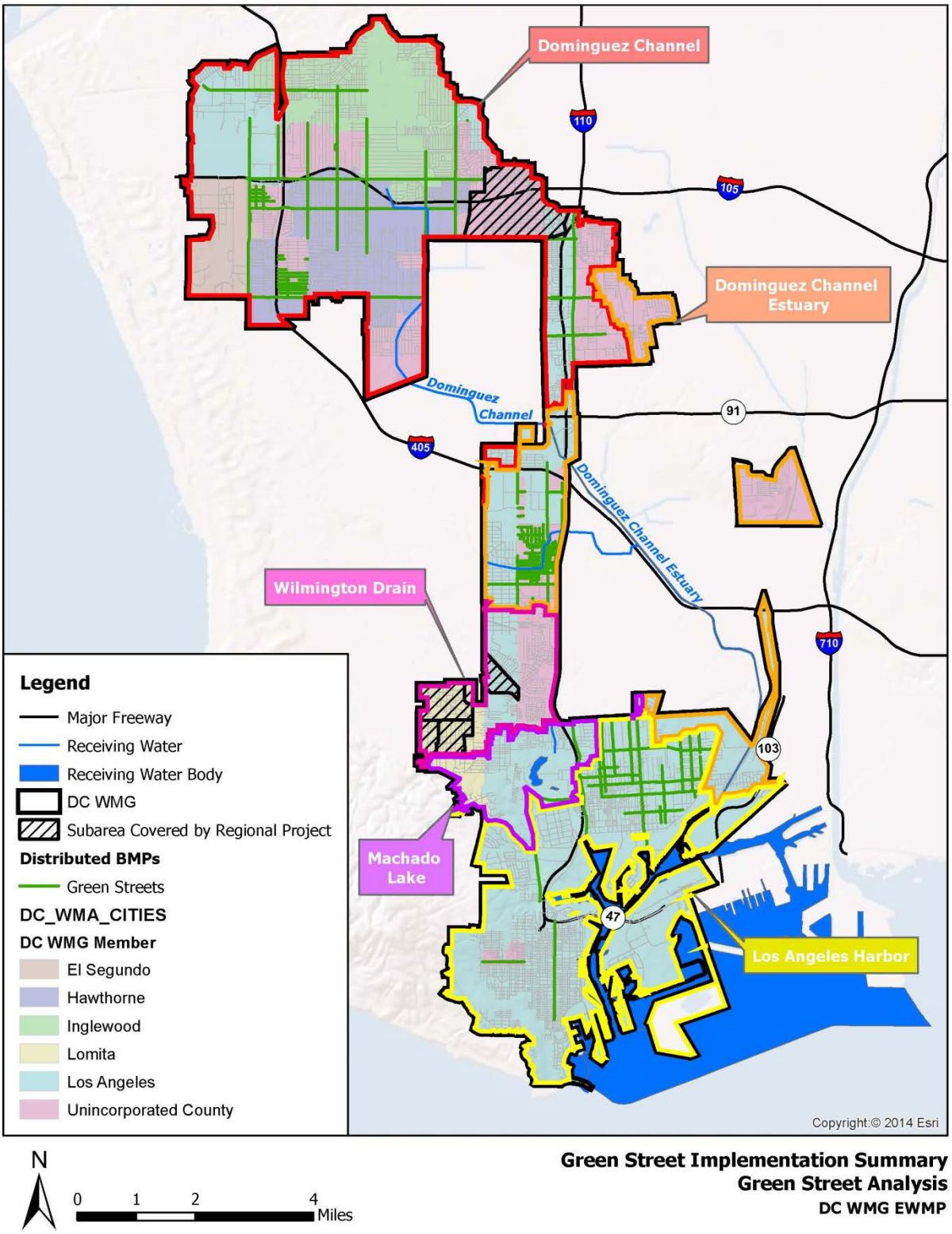


Figure 1-5 Green Street Implementation Summary

Attachment A
Green Street Subarea Analysis Tables

PAGE INTENTIONALLY LEFT BLANK

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
31	BI10-1	31	S Figueroa St	711	Los Angeles	6	0.81	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
74	BI10-1	74	S Figueroa St	5817	Los Angeles	6	6.61	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
75	BI10-1	75	W El Segundo Blvd	2688	Los Angeles	6	3.05	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
76	BI10-1	76	W Rosecrans Ave	1172	Los Angeles	6	1.33	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
110	BI10-1	110	S Figueroa St	349	Los Angeles	6	0.40	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
140	BI12-1	2	N Aviation Blvd	122	CO	6	0.14	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
145	BI12-1	7	S Aviation Blvd	1048	El Segundo	6	1.19	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
177	BI12-1	39	N Aviation Blvd	1322	El Segundo	6	1.50	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
178	BI12-1	40	S Aviation Blvd	1499	El Segundo	6	1.70	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
208	BI12-1	70	S Aviation Blvd	280	Hawthorne	6	0.32	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
209	BI12-1	71	W Rosecrans Ave	446	Hawthorne	6	0.51	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
223	BI12-1	85	S Aviation Blvd	2451	Hawthorne	6	2.79	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
261	BI12-1	123	W Rosecrans Ave	1298	Hawthorne	6	1.47	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	G
285	BI12-2	8	141st St	151	CO	4	0.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
298	BI12-2	21	W 137th Pl	1837	CO	4	1.39	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
299	BI12-2	22	W 137th St	1895	CO	4	1.44	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
300	BI12-2	23	W 139th St	691	CO	4	0.52	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
301	BI12-2	24	W 140th St	1135	CO	4	0.86	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
302	BI12-2	25	W 141st St	837	CO	4	0.63	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
303	BI12-2	26	W 142nd St	740	CO	4	0.56	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
305	BI12-2	28	138th St	1640	CO	4	1.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
306	BI12-2	29	Ocean Gate Ave	1441	CO	4	1.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
310	BI12-2	33	W 133rd St	377	CO	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
312	BI12-2	35	W 134th St	737	CO	4	0.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
314	BI12-2	37	W 136th St	726	CO	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
315	BI12-2	38	W 137th Pl	785	CO	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
316	BI12-2	39	W 137th St	726	CO	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
317	BI12-2	40	W 139th St	1932	CO	4	1.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
318	BI12-2	41	W 140th St	1349	CO	4	1.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
319	BI12-2	42	W 141st St	1146	CO	4	0.87	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
320	BI12-2	43	W 142nd St	1156	CO	4	0.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
321	BI12-2	44	S La Cienega Blvd	106	CO	4	0.08	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH		X	Dominguez Channel	G
322	BI12-2	45	W 142nd St	182	CO	4	0.14	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH		X	Dominguez Channel	G
331	BI12-2	54	W Rosecrans Ave	737	Hawthorne	6	0.84	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
354	BI12-2	77	W Rosecrans Ave	1860	Hawthorne	6	2.11	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
369	BI12-2	92	W 141st St	345	Hawthorne	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel	G
373	BI12-2	96	W Rosecrans Ave	1639	Hawthorne	6	1.86	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	G
806	BI12-4	2	Prairie Ave	2197	CO	6	2.50	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
1162	BI13B	4	W Arbor Vitae St	558	Inglewood	4	0.42	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
1174	BI13B	16	Arbor Vitae St	1622	Los Angeles	4	1.23	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
1175	BI13B	17	W Arbor Vitae St	495	Los Angeles	4	0.37	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
1176	BI13B	18	Westchester Pkwy	2010	Los Angeles	4	1.52	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
1310	BI242	1	Normandie Ave	995	Los Angeles	6	1.13	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
1355	BI4-1	2	S Van Ness Ave	808	CO	4	0.61	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
1383	BI4-1	30	S Van Ness Ave	2086	Los Angeles	4	1.58	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
1401	BI4-1	48	S Wilton Pl	16	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	G
1421	BI4-1	68	S Wilton Pl	0	Los Angeles	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	G
1521	BI4-2	42	S Van Ness Ave	200	CO	4	0.15	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	G
1541	BI4-2	62	Crenshaw Blvd	490	Hawthorne	6	0.56	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
1559	BI4-2	80	Crenshaw Blvd	1561	Inglewood	6	1.77	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
1560	BI4-2	81	W Imperial Hwy	2060	Inglewood	6	2.34	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
1587	BI4-2	108	S Van Ness Ave	1610	CO	4	1.22	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	G
1610	BI4-2	131	S Van Ness Ave	757	Hawthorne	4	0.57	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	G
1618	BI4-2	139	W Imperial Hwy	589	Inglewood	6	0.67	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1619	BI4-2	140	S Van Ness Ave	644	Inglewood	4	0.49	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	G
1632	BI4-2	153	S Van Ness Ave	2019	CO	4	1.53	Secondary-Collector	64	8	3	4	13	0.45	6	18	MED			Dominguez Channel	G
1670	BI439E	2	S Van Ness Ave	1415	Hawthorne	4	1.07	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	G
1674	BI439E	6	Imperial Hwy	1000	CO	6	1.14	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
1675	BI439E	7	W Imperial Hwy	1610	CO	6	1.83	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
1684	BI439E	16	S Van Ness Ave	1099	Hawthorne	4	0.83	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	G
1696	BI439E	28	S Van Ness Ave	86	Inglewood	4	0.07	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	G
1845	BI4402A	9	W Imperial Hwy	1412	Inglewood	6	1.60	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
1860	BI4402A	24	Crenshaw Blvd	1871	Inglewood	6	2.13	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
1861	BI4402A	25	W Imperial Hwy	558	Inglewood	6	0.63	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
1865	BI4402A	29	Crenshaw Blvd	582	Inglewood	6	0.66	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
2154	BI534-1	1	Hawthorne Blvd	673	CO	6	0.76	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2155	BI534-1	2	S Hawthorne Blvd	100	CO	6	0.11	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2166	BI534-1	13	S La Brea Ave	290	Inglewood	6	0.33	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	G
2168	BI534-1	15	E Arbor Vitae St	1302	Inglewood	4	0.99	Secondary-Collector	64	8	1	8	16	0.36	4	20	HIGH			Dominguez Channel	G
2171	BI534-1	18	S La Brea Ave	1173	Inglewood	6	1.33	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
2173	BI534-1	20	E Arbor Vitae St	760	Inglewood	4	0.58	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
2177	BI534-1	24	W Arbor Vitae St	620	Inglewood	4	0.47	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
2197	BI534-1	44	S Hawthorne Blvd	1293	Inglewood	6	1.47	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2198	BI534-1	45	S La Brea Ave	1557	Inglewood	6	1.77	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2204	BI534-1	51	W Arbor Vitae St	2738	Inglewood	4	2.07	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	G
2255	BI534-1	102	E Arbor Vitae St	868	Inglewood	4	0.66	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	G
2287	BI534-2	7	E Arbor Vitae St	392	Inglewood	4	0.30	Secondary-Collector	64	8	1	8	16	0.36	4	20	HIGH			Dominguez Channel	G
2290	BI534-2	10	Prairie Ave	15	Inglewood	6	0.02	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
2291	BI534-2	11	S Prairie Ave	1495	Inglewood	6	1.70	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
2292	BI534-2	12	W Imperial Hwy	1925	Inglewood	6	2.19	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
2308	BI534-2	28	S Prairie Ave	2938	Inglewood	6	3.34	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2340	BI536A	10	Rosecrans Ave	3929	Hawthorne	6	4.46	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
2477	BI74	8	W Rosecrans Ave	1650	CO	6	1.88	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
2520	BI74	51	S Figueroa St	3079	Los Angeles	6	3.50	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2522	BI74	53	W Redondo Beach Blvd	2152	Los Angeles	6	2.45	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
2553	BI74	84	W Redondo Beach Blvd	374	CO	6	0.43	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
2554	BI74	85	W Rosecrans Ave	135	CO	6	0.15	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
2584	BI74	115	W Redondo Beach Blvd	915	CO	6	1.04	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	G
2587	BI74	118	S Figueroa St	1990	Los Angeles	6	2.26	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
2588	BI74	119	W Rosecrans Ave	2637	Los Angeles	6	3.00	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
2607	BI74	138	S Figueroa St	740	Los Angeles	6	0.84	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	G
2608	BI74	139	W Redondo Beach Blvd	183	Los Angeles	6	0.21	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	G
2610	BI74	141		636	CO	6	0.72	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
2611	BI74	142	E Redondo Beach Blvd	186	CO	6	0.21	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
2615	BI74	146	W Redondo Beach Blvd	748	CO	6	0.85	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
2623	BI74	154	S Figueroa St	1624	Los Angeles	6	1.85	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	G
3287	DDI8NE	13	W Imperial Hwy	1383	Inglewood	6	1.57	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3319	DDI8NW-1	7	W Arbor Vitae St	133	Inglewood	4	0.10	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
3327	DDI8NW-1	15	W Arbor Vitae St	1866	Inglewood	4	1.41	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	G
3349	DDI8NW-2	2		35	CO	6	0.04	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3350	DDI8NW-2	3	S La Cienega Blvd	592	CO	6	0.67	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3351	DDI8NW-2	4	W Imperial Hwy	495	CO	6	0.56	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH		X	Dominguez Channel	G
3352	DDI8NW-2	5	S Inglewood Ave	327	CO	4	0.25	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH		X	Dominguez Channel	G
3358	DDI8NW-2	11		1064	CO	6	1.21	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH		X	Dominguez Channel	G
3359	DDI8NW-2	12	W Imperial Hwy	898	CO	6	1.02	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3360	DDI8NW-2	13	S Inglewood Ave	106	CO	4	0.08	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH		X	Dominguez Channel	G
3364	DDI8NW-2	17	Hawthorne Blvd	2667	CO	6	3.03	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
3365	DDI8NW-2	18	S La Cienega Blvd	3502	CO	6	3.98	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3367	DDI8NW-2	20	S Inglewood Ave	4233	CO	4	3.21	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH		X	Dominguez Channel	G
3398	DDI8NW-2	51	W Imperial Hwy	788	Hawthorne	6	0.90	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3399	DDI8NW-2	52	S Inglewood Ave	447	Hawthorne	4	0.34	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
3404	DDI8NW-2	57	Hawthorne Blvd	1700	Hawthorne	6	1.93	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
3405	DDI8NW-2	58	W Imperial Hwy	2021	Hawthorne	6	2.30	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
3423	DDI8NW-2	76	W Arbor Vitae St	828	Inglewood	4	0.63	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	G
3458	DDI8NW-2	111	S La Cienega Blvd	653	Los Angeles	6	0.74	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
3463	DDI8S	2	Aviation Blvd	1177	CO	6	1.34	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3466	DDI8S	5	S Inglewood Ave	58	CO	4	0.04	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	G
3468	DDI8S	7	W 120th St	453	CO	4	0.34	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	G
3492	DDI8S	31	Aviation Blvd	556	CO	6	0.63	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3493	DDI8S	32	Crenshaw Blvd	27	CO	6	0.03	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3507	DDI8S	46	Aviation Blvd	192	El Segundo	6	0.22	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3526	DDI8S	65	Crenshaw Blvd	759	Hawthorne	6	0.86	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3527	DDI8S	66	Hawthorne Blvd	702	Hawthorne	6	0.80	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3529	DDI8S	68	S Inglewood Ave	2422	Hawthorne	4	1.84	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	G
3530	DDI8S	69	W 120th St	795	Hawthorne	4	0.60	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	G
3556	DDI8S	95	Crenshaw Blvd	1865	Hawthorne	6	2.12	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3558	DDI8S	97	Hawthorne Blvd	1303	Hawthorne	6	1.48	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3559	DDI8S	98	Prairie Ave	2638	Hawthorne	6	3.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3560	DDI8S	99	S Prairie Ave	3075	Hawthorne	6	3.49	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3562	DDI8S	101	S Inglewood Ave	849	Hawthorne	4	0.64	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
3563	DDI8S	102	W 120th St	3846	Hawthorne	4	2.91	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
3593	DDI8S	132	Hawthorne Blvd	2299	Hawthorne	6	2.61	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
3595	DDI8S	134	W 120th St	1959	Hawthorne	4	1.48	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	G
4299	LGADM_7	1	Prairie Ave	2792	CO	6	3.17	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3855	LGADM-1	1	Aviation Blvd	1421	CO	6	1.61	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3858	LGADM-1	4	W 120th St	2917	CO	4	2.21	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	G
3862	LGADM-1	8	Isis Ave	1993	CO	4	1.51	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
3863	LGADM-1	9	Judah Ave	1954	CO	4	1.48	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
3866	LGADM-1	12	W 117th St	1226	CO	4	0.93	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
3867	LGADM-1	13	W 118th Pl	1750	CO	4	1.33	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
3868	LGADM-1	14	W 118th St	1434	CO	4	1.09	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
3870	LGADM-1	16	W 119th St	2219	CO	4	1.68	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel	G
3871	LGADM-1	17	Aviation Blvd	516	El Segundo	6	0.59	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3895	LGADM-1	41	Aviation Blvd	2516	Los Angeles	6	2.86	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
3907	LGADM-1	53	W 120th St	1719	Hawthorne	4	1.30	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	G
3916	LGADM-1	62	S Inglewood Ave	1850	Hawthorne	4	1.40	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
3917	LGADM-1	63	W 120th St	87	Hawthorne	4	0.07	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
3924	LGADM-1	70	Hawthorne Blvd	1280	Hawthorne	6	1.45	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
3936	LGADM-1	82	Aviation Blvd	3550	Los Angeles	6	4.03	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3939	LGADM-1	85	Imperial Hwy	121	Los Angeles	6	0.14	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
3941	LGADM-1	87	W Imperial Hwy	2653	Los Angeles	6	3.01	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
4123	LGADM-2	13	S Prairie Ave	838	Hawthorne	6	0.95	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
4124	LGADM-2	14	W Imperial Hwy	1453	Hawthorne	6	1.65	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
4132	LGADM-2	22	W Imperial Hwy	1119	Hawthorne	6	1.27	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	G
4142	LGADM-2	32	Prairie Ave	78	Inglewood	6	0.09	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
4143	LGADM-2	33	S Prairie Ave	872	Inglewood	6	0.99	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
4156	LGADM-3	7	Crenshaw Blvd	1304	Hawthorne	6	1.48	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
4157	LGADM-3	8	W 120th St	4486	Hawthorne	4	3.40	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	G
4175	LGADM-3	26	Crenshaw Blvd	66	Hawthorne	6	0.08	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	G
4176	LGADM-3	27	W 120th St	2118	Hawthorne	4	1.60	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	G
4187	LGADM-4	7	S Van Ness Ave	1472	CO	4	1.11	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	G
4190	LGADM-4	10	S Van Ness Ave	446	Hawthorne	4	0.34	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	G

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4206	LGADM-5	1	Crenshaw Blvd	691	CO	6	0.79	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
4216	LGADM-5	11	Crenshaw Blvd	604	CO	6	0.69	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	G
4232	LGADM-5	27	Crenshaw Blvd	160	Hawthorne	6	0.18	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
4233	LGADM-5	28	Rosecrans Ave	1192	Hawthorne	6	1.35	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	G
955	BI1232-1	2	S Vermont Ave	3256	CO	6	3.70	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	G
958	BI1232-1	5	Berendo Ave	1644	CO	4	1.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
959	BI1232-1	6	Brody Ave	159	CO	4	0.12	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
960	BI1232-1	7	Catalina Ave	1459	CO	4	1.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
961	BI1232-1	8	Conradi Ave	914	CO	4	0.69	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
962	BI1232-1	9	Doble Ave	1688	CO	4	1.28	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
963	BI1232-1	10	Francisco St	456	CO	4	0.35	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
964	BI1232-1	11	Greenhedge St	559	CO	4	0.42	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
965	BI1232-1	12	Hamilton Ave	457	CO	4	0.35	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
966	BI1232-1	13	Javelin St	1327	CO	4	1.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
969	BI1232-1	16	Orchard Ave	163	CO	4	0.12	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
970	BI1232-1	17	S Broadwell Ave	430	CO	4	0.33	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
971	BI1232-1	18	S Budlong Ave	1595	CO	4	1.21	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
972	BI1232-1	19	S Kenwood Ave	1408	CO	4	1.07	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
973	BI1232-1	20	S Mariposa Ave	331	CO	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
974	BI1232-1	21	S Menlo Ave	1637	CO	4	1.24	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
975	BI1232-1	22	S New Hampshire Ave	3254	CO	4	2.47	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
976	BI1232-1	23	S Raymond Ave	1587	CO	4	1.20	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
977	BI1232-1	24	S Royal Blvd	1140	CO	4	0.86	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
978	BI1232-1	25	S Van Deene Ave	1510	CO	4	1.14	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
979	BI1232-1	26	W 204th St	1219	CO	4	0.92	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
980	BI1232-1	27	W 209th St	2046	CO	4	1.55	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
981	BI1232-1	28	W 210th St	1292	CO	4	0.98	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
982	BI1232-1	29	W 211th St	313	CO	4	0.24	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
983	BI1232-1	30	W 212th St	767	CO	4	0.58	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
986	BI1232-1	33	W Greenhedge St	1011	CO	4	0.77	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
987	BI1232-1	34	W Jon St	474	CO	4	0.36	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
988	BI1232-1	35	W Milton St	2261	CO	4	1.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED		X	Dominguez Channel Estuary	G
990	BI1232-1	37	S Vermont Ave	1005	CO	6	1.14	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel Estuary	G
992	BI1232-1	39	W Carson St	1101	CO	6	1.25	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel Estuary	G
997	BI1232-1	44	Normandie Ave	1222	CO	6	1.39	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH		X	Dominguez Channel Estuary	G
998	BI1232-1	45	S Vermont Ave	3758	CO	6	4.27	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1000	BI1232-1	47	W Carson St	2531	CO	6	2.88	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1003	BI1232-1	50	213th St	506	CO	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1005	BI1232-1	52	Berendo Ave	1530	CO	4	1.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1006	BI1232-1	53	Broadwell Ave	896	CO	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1007	BI1232-1	54	Clarion Dr	660	CO	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1008	BI1232-1	55	Conradi Ave	452	CO	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1009	BI1232-1	56	Doble Ave	679	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1011	BI1232-1	58	Hamilton Ave	2305	CO	4	1.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1012	BI1232-1	59	Jaffrey Ave	322	CO	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1015	BI1232-1	62	Levinson St	1111	CO	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1016	BI1232-1	63	Marigold Ave	319	CO	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1018	BI1232-1	65	Meyler Ave	267	CO	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1019	BI1232-1	66	Meyler St	1227	CO	4	0.93	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1020	BI1232-1	67	Payne Ave	386	CO	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1021	BI1232-1	68	S Broadwell Ave	197	CO	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1022	BI1232-1	69	S Budlong Ave	1533	CO	4	1.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1023	BI1232-1	70	S Kenwood Ave	226	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1024	BI1232-1	71	S Marigold Ave	239	CO	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1025	BI1232-1	72	S Mariposa Ave	225	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1027	BI1232-1	74	S New Hampshire Ave	385	CO	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1028	BI1232-1	75	S Royal Blvd	479	CO	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1030	BI1232-1	77	W 212th St	1568	CO	4	1.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1031	BI1232-1	78	W 213th St	2127	CO	4	1.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1032	BI1232-1	79	W 214th St	1281	CO	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1033	BI1232-1	80	W 216th St	256	CO	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1037	BI1232-1	84	W Clarion Dr	2226	CO	4	1.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1039	BI1232-1	86	W Desford St	958	CO	4	0.73	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1042	BI1232-1	89	W Ritner St	873	CO	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1044	BI1232-1	91	Normandie Ave	4847	Los Angeles	6	5.51	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1045	BI1232-1	92	S Vermont Ave	2145	Los Angeles	6	2.44	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1070	BI1232-1	117	W Carson St	787	Los Angeles	6	0.89	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1088	BI1232-2	1	Hamilton Ave	973	CO	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1097	BI1275	8	W Rosecrans Ave	729	CO	6	0.83	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1332	BI3894	1	Knox St	603	CO	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
1335	BI3894	4	Normandie Ave	3051	Los Angeles	6	3.47	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH		X	Dominguez Channel Estuary	G
1336	BI3894	5	S Vermont Ave	436	Los Angeles	6	0.50	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
1339	BI3894	8	Normandie Ave	83	Los Angeles	6	0.09	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH		X	Dominguez Channel Estuary	G
1353	BI3894	22	S Vermont Ave	522	Los Angeles	6	0.59	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	G
2647	BI76	19	W Carson St	2233	Los Angeles	6	2.54	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
3847	LA24857	1	S Vermont Ave	1501	CO	6	1.71	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH		X	Dominguez Channel Estuary	G
3848	LA24857	2	Knox St	1309	CO	4	0.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
3850	LA24857	4	S Vermont Ave	685	Los Angeles	6	0.78	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
3975	LGADM-10	4	Normandie Ave	1031	Los Angeles	6	1.17	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
4009	LGADM-11	1	S Vermont Ave	151	CO	6	0.17	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH		X	Dominguez Channel Estuary	G
4010	LGADM-11	2	Hamilton Ave	24	CO	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
4011	LGADM-11	3	Knox St	132	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
4012	LGADM-11	4	S Hamilton Ave	831	CO	4	0.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
4014	LGADM-11	6	S Vermont Ave	41	Los Angeles	6	0.05	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	G
4017	LGADM-11	9	Hamilton Ave	86	Los Angeles	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH		X	Dominguez Channel Estuary	G
4093	LGADM-17	24	Alameda St	1564	Los Angeles	6	1.78	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	G
4094	LGADM-17	25	E Anaheim St	245	Los Angeles	6	0.28	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	G
519	BI1103C	1	Figueroa St	2670	Los Angeles	6	3.03	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
1951	BI511D	15	N Pacific Ave	260	Los Angeles	6	0.30	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	G
1978	BI511D	42	N Pacific Ave	882	Los Angeles	6	1.00	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			LA LB Harbor	G
2022	BI512A	8	S Pacific Ave	2536	Los Angeles	6	2.88	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			LA LB Harbor	G
2826	BI79	4	N Gaffey St	151	Los Angeles	6	0.17	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
2839	BI79	17	N Gaffey St	2048	Los Angeles	6	2.33	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			LA LB Harbor	G
2879	BI79	57	N Gaffey St	2119	Los Angeles	6	2.41	Primary-Arterial	100	10	2	6	14	0.81	10	26	HIGH			LA LB Harbor	G
2885	BI79	63	N Gaffey St	401	Los Angeles	6	0.46	Primary-Arterial	100	10	2	6	16	0.36	4	20	HIGH			LA LB Harbor	G
3071	BI9813	2	Figueroa St	2419	Los Angeles	6	2.75	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			LA LB Harbor	G
3072	BI9813	3	N Avalon Blvd	1163	Los Angeles	6	1.32	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			LA LB Harbor	G
3079	BI9813	10	N Fries Ave	101	Los Angeles	4	0.08	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	G
3088	BI9813	19	W Denni St	1397	Los Angeles	4	1.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	G
3097	BI9813	28	Pacific Coast Hwy	2196	Los Angeles	6	2.50	Highway	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3098	BI9813	29	W Pacific Coast Hwy	3614	Los Angeles	6	4.11	Highway	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3101	BI9813	32	Figueroa St	484	Los Angeles	6	0.55	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3103	BI9813	34	N Avalon Blvd	2710	Los Angeles	6	3.08	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3104	BI9813	35	N Wilmington Blvd	7013	Los Angeles	6	7.97	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3108	BI9813	39	Bayview Ave	5182	Los Angeles	4	3.93	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3124	BI9813	55	N Fries Ave	4295	Los Angeles	4	3.25	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3125	BI9813	56	N Gulf Ave	6549	Los Angeles	4	4.96	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3138	BI9813	69	W Denni St	2007	Los Angeles	4	1.52	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3143	BI9813	74	W L St	1671	Los Angeles	4	1.27	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3147	BI9813	78	W Opp St	2319	Los Angeles	4	1.76	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3185	BI9830	3	E E St	916	Los Angeles	4	0.69	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
3187	BI9830	5	Lecouvreur Ave	457	Los Angeles	4	0.35	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
3188	BI9830	6	N Banning Blvd	1435	Los Angeles	4	1.09	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
3191	BI9830	9	Pacific Coast Hwy	4695	Los Angeles	6	5.33	Highway	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3195	BI9830	13	E Anaheim St	4843	Los Angeles	6	5.50	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3196	BI9830	14	N Avalon Blvd	326	Los Angeles	6	0.37	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
3200	BI9830	18	Blinn Ave	4180	Los Angeles	4	3.17	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3210	BI9830	28	E E St	1776	Los Angeles	4	1.35	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3220	BI9830	38	E Opp St	5328	Los Angeles	4	4.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3231	BI9830	49	Lecouvreur Ave	4643	Los Angeles	4	3.52	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3238	BI9830	56	Sanford Ave	4890	Los Angeles	4	3.70	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
3240	BI9830	58	Watson Ave	5425	Los Angeles	4	4.11	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4424	Port04	11	E Anaheim St	800	Los Angeles	6	0.91	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
4481	Port15	1	Figueroa St	542	Los Angeles	6	0.62	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
4618	SPB08	4	S Pacific Ave	2145	Los Angeles	6	2.44	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			LA LB Harbor	G
4630	SPB08	16	S Pacific Ave	1128	Los Angeles	6	1.28	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	G
4672	SPB08	58	N Pacific Ave	871	Los Angeles	6	0.99	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	G
4675	SPB08	61	S Pacific Ave	583	Los Angeles	6	0.66	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	G
4710	SPB08	96	S Pacific Ave	405	Los Angeles	6	0.46	Primary-Arterial	100	10	2	6	16	0.36	4	20	HIGH			LA LB Harbor	G
4723	SPB08	109	W 6th St	2264	CO	4	1.72	Secondary-Collector	64	8	3	4	4	0.4	5	17	MED		X	LA LB Harbor	G
4787	SPB08	173	W 6th St	1467	CO	4	1.11	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED		X	LA LB Harbor	G
4917	SPB11	12	W Anaheim St	3093	Los Angeles	6	3.52	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
4935	SPB11	30	W Denni St	843	Los Angeles	4	0.64	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4936	SPB11	31	W E St	1188	Los Angeles	4	0.90	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4941	SPB11	36	W Opp St	1552	Los Angeles	4	1.18	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4944	SPB12	2	N Avalon Blvd	1738	Los Angeles	6	1.98	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	G
4949	SPB12	7	E E St	874	Los Angeles	4	0.66	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
4952	SPB12	10	N Avalon Blvd	529	Los Angeles	4	0.40	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
4954	SPB12	12	S Avalon Blvd	1138	Los Angeles	4	0.86	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
4959	SPB12	17	W E St	292	Los Angeles	4	0.22	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	G
4962	SPB12	20	E Anaheim St	362	Los Angeles	6	0.41	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
4963	SPB12	21	N Avalon Blvd	4237	Los Angeles	6	4.81	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
4964	SPB12	22	W Anaheim St	402	Los Angeles	6	0.46	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	G
4972	SPB12	30	E Opp St	107	Los Angeles	4	0.08	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4973	SPB12	31	N Fries Ave	1609	Los Angeles	4	1.22	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4976	SPB12	34	W Denni St	1139	Los Angeles	4	0.86	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4977	SPB12	35	W E St	122	Los Angeles	4	0.09	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
4982	SPB12	40	W Opp St	797	Los Angeles	4	0.60	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	G
381	BI1103	3	Figueroa St	1877	Los Angeles	6	2.13	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	G
409	BI1103	31	W Anaheim St	1093	Los Angeles	6	1.24	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Machado Lake	G
457	BI1103	79	W Anaheim St	1271	Los Angeles	6	1.44	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			Machado Lake	G
465	BI1103	87	W Anaheim St	210	Los Angeles	6	0.24	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	G
468	BI1103	90	W Anaheim St	587	Los Angeles	6	0.67	Primary-Arterial	100	10	2	6	14	0.81	10	26	HIGH			Machado Lake	G
473	BI1103	95	W Anaheim St	755	Los Angeles	6	0.86	Primary-Arterial	100	10	2	6	16	0.36	4	20	HIGH			Machado Lake	G
1871	BI510A	1	Figueroa St	2222	Los Angeles	6	2.52	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	G
1173	BI13B	15	W Century Blvd	243	Los Angeles	6	0.28	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1202	BI13B	44	Westchester Pkwy	834	Los Angeles	4	0.63	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
1402	BI4-1	49	Crenshaw Blvd	921	Inglewood	6	1.05	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1426	BI4-1	73	Crenshaw Blvd	3872	Inglewood	6	4.40	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1457	BI4-1	104	Crenshaw Blvd	1465	Inglewood	6	1.66	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
1705	BI4401-1	8	N Prairie Ave	1803	Inglewood	6	2.05	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1736	BI4401-1	39	N Prairie Ave	194	Inglewood	6	0.22	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1737	BI4401-1	40	S Prairie Ave	1879	Inglewood	6	2.14	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1754	BI4401-1	57	S Prairie Ave	334	Inglewood	6	0.38	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1829	BI4401-2	56	W Century Blvd	87	Inglewood	6	0.10	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
2285	BI534-2	5	S Prairie Ave	3729	Inglewood	6	4.24	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	
2320	BI534-2	40	S Prairie Ave	218	Inglewood	6	0.25	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
3872	LGADM-1	18	E Imperial Hwy	139	El Segundo	6	0.16	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3873	LGADM-1	19	E Imperial Hwy	1598	El Segundo	4	1.21	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3896	LGADM-1	42	Avion Dr	1986	Los Angeles	6	2.26	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3897	LGADM-1	43	E Imperial Hwy	311	Los Angeles	6	0.35	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3899	LGADM-1	45	E Imperial Hwy	120	El Segundo	6	0.14	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3900	LGADM-1	46	E Imperial Hwy	491	El Segundo	4	0.37	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3937	LGADM-1	83	Avion Dr	1207	Los Angeles	6	1.37	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3938	LGADM-1	84	E Imperial Hwy	609	Los Angeles	6	0.69	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3940	LGADM-1	86	W Century Blvd	1205	Los Angeles	6	1.37	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3942	LGADM-1	88	E Imperial Hwy	694	Los Angeles	4	0.53	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3954	LGADM-1	100	W Century Blvd	4703	Los Angeles	6	5.34	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3955	LGADM-1	101	E Imperial Hwy	338	Los Angeles	4	0.26	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3968	LGADM-1	114	E Imperial Hwy	602	Los Angeles	6	0.68	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3970	LGADM-1	116	E Imperial Hwy	213	Los Angeles	4	0.16	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
1047	BI1232-1	94	Normandie Ave	4701	Los Angeles	6	5.34	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
3977	LGADM-10	6	S Vermont Ave	2074	Los Angeles	6	2.36	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
4002	LGADM-10	31	S Vermont Ave	1295	Los Angeles	6	1.47	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3076	BI9813	7	E R St	1371	Los Angeles	4	1.04	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3080	BI9813	11	N Marine Ave	953	Los Angeles	4	0.72	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3081	BI9813	12	W R St	660	Los Angeles	4	0.50	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3083	BI9813	14	Figueroa Pl	2178	Los Angeles	4	1.65	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3100	BI9813	31	E Lomita Blvd	1375	Los Angeles	6	1.56	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3109	BI9813	40	Broad Ave	2292	Los Angeles	4	1.74	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3115	BI9813	46	E Q St	1363	Los Angeles	4	1.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3118	BI9813	49	Figueroa Pl	405	Los Angeles	4	0.31	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3126	BI9813	57	N Island Ave	4394	Los Angeles	4	3.33	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3128	BI9813	59	N Marine Ave	2917	Los Angeles	4	2.21	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3131	BI9813	62	N Ravenna Ave	3705	Los Angeles	4	2.81	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3145	BI9813	76	W M St	3546	Los Angeles	4	2.69	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3149	BI9813	80	W Q St	3580	Los Angeles	4	2.71	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3150	BI9813	81	W R St	2889	Los Angeles	4	2.19	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3152	BI9813	83	W Sandison St	3588	Los Angeles	4	2.72	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3194	BI9830	12	Alameda St	4388	Los Angeles	6	4.99	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3201	BI9830	19	Broad Ave	3169	Los Angeles	4	2.40	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3203	BI9830	21	Coil Ave	2852	Los Angeles	4	2.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3205	BI9830	23	Drumm Ave	3451	Los Angeles	4	2.61	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3209	BI9830	27	E Denni St	5414	Los Angeles	4	4.10	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3212	BI9830	30	E G St	4007	Los Angeles	4	3.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3215	BI9830	33	E L St	6125	Los Angeles	4	4.64	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3230	BI9830	48	Lakme Ave	3957	Los Angeles	4	3.00	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3234	BI9830	52	N Banning Blvd	4429	Los Angeles	4	3.36	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4906	SPB11	1	W Harry Bridges Blvd	1477	Los Angeles	6	1.68	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4924	SPB11	19	N Fries Ave	2852	Los Angeles	4	2.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4938	SPB11	33	W G St	1194	Los Angeles	4	0.90	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4943	SPB12	1	E Harry Bridges Blvd	1165	Los Angeles	6	1.32	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4969	SPB12	27	E G St	748	Los Angeles	4	0.57	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4979	SPB12	37	W G St	384	Los Angeles	4	0.29	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
379	BI1103	1	Pacific Coast Hwy	2513	Los Angeles	6	2.86	Highway	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	
380	BI1103	2	W Pacific Coast Hwy	1245	Los Angeles	6	1.42	Highway	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
408	BI1103	30	W Pacific Coast Hwy	858	Los Angeles	6	0.98	Highway	100	10	0	10	14	0.81	10	30	HIGH			Machado Lake	
424	BI1103	46	Pacific Coast Hwy	2405	Los Angeles	6	2.73	Highway	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
425	BI1103	47	Normandie Ave	1851	Los Angeles	6	2.10	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
426	BI1103	48	S Vermont Ave	5398	Los Angeles	6	6.13	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
456	BI1103	78	N Gaffey St	2056	Los Angeles	6	2.34	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			Machado Lake	
461	BI1103	83	N Gaffey St	377	Los Angeles	6	0.43	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Machado Lake	
463	BI1103	85	N Gaffey St	329	Los Angeles	6	0.37	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	
464	BI1103	86	S Vermont Ave	882	Los Angeles	6	1.00	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	
467	BI1103	89	N Gaffey St	502	Los Angeles	6	0.57	Primary-Arterial	100	10	2	6	14	0.81	10	26	HIGH			Machado Lake	
472	BI1103	94	N Gaffey St	541	Los Angeles	6	0.61	Primary-Arterial	100	10	2	6	16	0.36	4	20	HIGH			Machado Lake	
479	BI1103	101	N Gaffey St	1646	Los Angeles	6	1.87	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
481	BI1103	103	S Vermont Ave	242	Los Angeles	6	0.27	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
516	BI1103	138	N Gaffey St	414	Los Angeles	6	0.47	Primary-Arterial	100	10	4	2	16	0.36	4	16	MED			Machado Lake	
865	BI1201	8	W 228th St	3629	CO	4	2.75	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Wilmington Drain	
920	BI1201	63	W 228th St	1250	Los Angeles	4	0.95	Secondary-Collector	64	8	0	10	10	0.74	8	26	HIGH			Wilmington Drain	
927	BI1201	70	W 228th St	1506	Los Angeles	4	1.14	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Wilmington Drain	
2444	BI661	21	W Sepulveda Blvd	1331	Los Angeles	6	1.51	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Wilmington Drain	
2450	BI661	27	W Sepulveda Blvd	2010	Los Angeles	6	2.28	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
1	BI10-1	1	E El Segundo Blvd	511	CO	6	0.58	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
2	BI10-1	2	S Main St	885	CO	6	1.01	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3	BI10-1	3	W El Segundo Blvd	122	CO	6	0.14	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
4	BI10-1	4		1056	CO	4	0.80	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
5	BI10-1	5	E 126th St	22	CO	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
6	BI10-1	6	E 127th St	215	CO	4	0.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
7	BI10-1	7	E 130th St	201	CO	4	0.15	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
8	BI10-1	8	S Carlton Ave	437	CO	4	0.33	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
9	BI10-1	9	E El Segundo Blvd	557	CO	6	0.63	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
10	BI10-1	10	S Broadway	1736	CO	6	1.97	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
11	BI10-1	11	S Broadway St	1736	CO	6	1.97	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
12	BI10-1	12	S Main St	1871	CO	6	2.13	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
13	BI10-1	13	E 124th St	447	CO	4	0.34	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
14	BI10-1	14	E 135th St	162	CO	4	0.12	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
15	BI10-1	15	W 135th St	1988	CO	4	1.51	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
16	BI10-1	16		5426	CO	4	4.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
17	BI10-1	17	Cook St	655	CO	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
18	BI10-1	18	E 126th St	296	CO	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
19	BI10-1	19	E 127th St	259	CO	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
20	BI10-1	20	E 130th St	688	CO	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
21	BI10-1	21	E 132nd St	986	CO	4	0.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
22	BI10-1	22	Jarvis Ave	1582	CO	4	1.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
23	BI10-1	23	S Carlton Ave	1181	CO	4	0.89	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
24	BI10-1	24	S Spring St	149	CO	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
25	BI10-1	25	Trinity St	116	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
26	BI10-1	26	W 131st St	744	CO	4	0.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
27	BI10-1	27	W 132nd St	614	CO	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
28	BI10-1	28	W 134th St	934	CO	4	0.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
29	BI10-1	29	W 138th St	108	CO	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
30	BI10-1	30	Wall St	184	CO	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
32	BI10-1	32	S Main St	1418	CO	6	1.61	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
33	BI10-1	33	W El Segundo Blvd	624	CO	6	0.71	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
34	BI10-1	34	E 124th St	648	CO	4	0.49	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			Dominguez Channel	
35	BI10-1	35	W 124th St	860	CO	4	0.65	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			Dominguez Channel	
36	BI10-1	36		4978	CO	4	3.77	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
37	BI10-1	37	Bremerton Wy	125	CO	4	0.10	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
38	BI10-1	38	E 126th St	756	CO	4	0.57	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
39	BI10-1	39	E 127th St	409	CO	4	0.31	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
40	BI10-1	40	Maple Ave	191	CO	4	0.14	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
41	BI10-1	41	S Los Angeles St	200	CO	4	0.15	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
42	BI10-1	42	S Spring St	197	CO	4	0.15	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
43	BI10-1	43	W 122nd St	581	CO	4	0.44	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
44	BI10-1	44	W 123rd St	409	CO	4	0.31	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
45	BI10-1	45	W 126th St	855	CO	4	0.65	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
46	BI10-1	46	W 127th St	834	CO	4	0.63	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
47	BI10-1	47	Broadway	280	CO	6	0.32	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
48	BI10-1	48	S Broadway	3892	CO	6	4.42	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
49	BI10-1	49	S Broadway St	3613	CO	6	4.11	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
50	BI10-1	50	W El Segundo Blvd	1771	CO	6	2.01	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
51	BI10-1	51	E 124th St	109	CO	4	0.08	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
52	BI10-1	52	W 124th St	460	CO	4	0.35	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
53	BI10-1	53	W 135th St	519	CO	4	0.39	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
54	BI10-1	54		12096	CO	4	9.16	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
55	BI10-1	55	Athens Blvd	274	CO	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
56	BI10-1	56	Athens Wy	7362	CO	4	5.58	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
57	BI10-1	57	Laconia Blvd	356	CO	4	0.27	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
58	BI10-1	58	S Flower St	224	CO	4	0.17	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
59	BI10-1	59	S Spring St	1135	CO	4	0.86	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
60	BI10-1	60	W 121st St	18	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
61	BI10-1	61	W 122nd St	228	CO	4	0.17	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
62	BI10-1	62	W 123rd St	141	CO	4	0.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
63	BI10-1	63	W 124th St	827	CO	4	0.63	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
64	BI10-1	64	W 126th St	795	CO	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
65	BI10-1	65	W 127th St	811	CO	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
66	BI10-1	66	W 129th St	161	CO	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
67	BI10-1	67	W 130th St	901	CO	4	0.68	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
68	BI10-1	68	W 131st St	1490	CO	4	1.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
69	BI10-1	69	W 132nd St	1410	CO	4	1.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
70	BI10-1	70	W 133rd St	693	CO	4	0.53	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
71	BI10-1	71	W Athens Blvd	274	CO	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
72	BI10-1	72		161	CO	1	0.03	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
73	BI10-1	73		152	Los Angeles	6	0.17	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
77	BI10-1	77	S Hoover St	356	Los Angeles	4	0.27	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
78	BI10-1	78	W 135th St	1327	Los Angeles	4	1.01	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
79	BI10-1	79		310	Los Angeles	4	0.24	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
80	BI10-1	80	Ainsworth St	1422	Los Angeles	4	1.08	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
81	BI10-1	81	Athens Blvd	804	Los Angeles	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
82	BI10-1	82	Denver Ave	64	Los Angeles	4	0.05	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
83	BI10-1	83	Estrella Ave	132	Los Angeles	4	0.10	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
84	BI10-1	84	Laconia Blvd	421	Los Angeles	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
85	BI10-1	85	S 127th St	465	Los Angeles	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
86	BI10-1	86	S Denver Ave	113	Los Angeles	4	0.09	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
87	BI10-1	87	S Hoover St	3161	Los Angeles	4	2.39	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
88	BI10-1	88	S Menlo Ave	1981	Los Angeles	4	1.50	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
89	BI10-1	89	W 121st St	740	Los Angeles	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
90	BI10-1	90	W 124th St	103	Los Angeles	4	0.08	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
91	BI10-1	91	W 126th St	252	Los Angeles	4	0.19	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
92	BI10-1	92	W 127th St	760	Los Angeles	4	0.58	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
93	BI10-1	93	W 129th St	555	Los Angeles	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
94	BI10-1	94	W 130th St	1072	Los Angeles	4	0.81	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
95	BI10-1	95	W 131st St	151	Los Angeles	4	0.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
96	BI10-1	96	W 136th St	178	Los Angeles	4	0.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
97	BI10-1	97	W 137th Pl	654	Los Angeles	4	0.50	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
98	BI10-1	98	W 137th St	493	Los Angeles	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
99	BI10-1	99	W 138th St	883	Los Angeles	4	0.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
100	BI10-1	100	W 139th St	707	Los Angeles	4	0.54	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
101	BI10-1	101	W 140th St	1800	Los Angeles	4	1.36	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
102	BI10-1	102	W 141st St	641	Los Angeles	4	0.49	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
103	BI10-1	103	W 142nd St	636	Los Angeles	4	0.48	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
104	BI10-1	104	W Athens Blvd	1350	Los Angeles	4	1.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
105	BI10-1	105	W Laconia Blvd	368	Los Angeles	4	0.28	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
106	BI10-1	106		1683	Los Angeles	1	0.32	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
107	BI10-1	107		113	CO	4	0.09	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
108	BI10-1	108	Athens Wy	37	CO	4	0.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
109	BI10-1	109	W 132nd St	95	CO	4	0.07	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
111	BI10-1	111	S Vermont Ave	126	Los Angeles	6	0.14	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
112	BI10-1	112	W El Segundo Blvd	76	Los Angeles	6	0.09	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
113	BI10-1	113	W 135th St	1274	Los Angeles	4	0.97	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
114	BI10-1	114	Ainsworth St	915	Los Angeles	4	0.69	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
115	BI10-1	115	Athens Blvd	98	Los Angeles	4	0.07	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
116	BI10-1	116	Denver Ave	897	Los Angeles	4	0.68	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
117	BI10-1	117	Estrella Ave	1097	Los Angeles	4	0.83	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
118	BI10-1	118	Menlo Ave	342	Los Angeles	4	0.26	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
119	BI10-1	119	S Denver Ave	897	Los Angeles	4	0.68	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
120	BI10-1	120	S Hoover St	1692	Los Angeles	4	1.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
121	BI10-1	121	S Menlo Ave	1559	Los Angeles	4	1.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
122	BI10-1	122	W 124th St	439	Los Angeles	4	0.33	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
123	BI10-1	123	W 129th St	735	Los Angeles	4	0.56	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
124	BI10-1	124	W 130th St	735	Los Angeles	4	0.56	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
125	BI10-1	125	W 131st St	382	Los Angeles	4	0.29	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
126	BI10-1	126	W 132nd St	1070	Los Angeles	4	0.81	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
127	BI10-1	127	W 133rd St	383	Los Angeles	4	0.29	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
128	BI10-1	128	W 134th St	1120	Los Angeles	4	0.85	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
129	BI10-1	129	W 136th St	485	Los Angeles	4	0.37	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
130	BI10-1	130	W 137th St	170	Los Angeles	4	0.13	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
131	BI10-1	131	W Athens Blvd	141	Los Angeles	4	0.11	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
132	BI10-1	132		6211	Los Angeles	1	1.18	Alley	20	4	2	6	13	0.45	6	16	MED			Dominguez Channel	
133	BI10-1	133	Menlo Ave	31	Los Angeles	4	0.02	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
134	BI10-1	134	S Menlo Ave	851	Los Angeles	4	0.64	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
135	BI10-1	135	W 131st St	735	Los Angeles	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
136	BI10-1	136	W 132nd St	735	Los Angeles	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
137	BI10-1	137	W 133rd St	735	Los Angeles	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
138	BI10-1	138		1471	Los Angeles	1	0.28	Alley	20	4	3	4	13	0.45	6	14	LOW			Dominguez Channel	
139	BI12-1	1	Aviation Blvd	4	CO	6	0.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
141	BI12-1	3		86	CO	4	0.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
142	BI12-1	4	124th St	64	CO	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
143	BI12-1	5	Isis Ave	22	CO	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
144	BI12-1	6	E El Segundo Blvd	307	El Segundo	6	0.35	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
146	BI12-1	8	E Mariposa Ave	919	El Segundo	4	0.70	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
147	BI12-1	9	N Douglas St	1909	El Segundo	4	1.45	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
148	BI12-1	10		250	El Segundo	4	0.19	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
149	BI12-1	11	120th St	250	El Segundo	4	0.19	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
150	BI12-1	12	Campus Dr	942	El Segundo	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
151	BI12-1	13	Campus Sq E	711	El Segundo	4	0.54	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
152	BI12-1	14	Campus Sq W	774	El Segundo	4	0.59	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
153	BI12-1	15	Duley Rd	1399	El Segundo	4	1.06	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
154	BI12-1	16	E Grand Ave	430	El Segundo	4	0.33	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
155	BI12-1	17	E Maple Ave	1536	El Segundo	4	1.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
156	BI12-1	18	Hawaii St	926	El Segundo	4	0.70	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
157	BI12-1	19	Hornet Wy	933	El Segundo	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
158	BI12-1	20	Parkview Dr N	33	El Segundo	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
159	BI12-1	21	Parkview Dr S	470	El Segundo	4	0.36	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
160	BI12-1	22	S Sepulveda Blvd	3267	El Segundo	6	3.71	Highway	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel	
161	BI12-1	23	Rosecrans Ave	1212	El Segundo	6	1.38	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel	
162	BI12-1	24	E Mariposa Ave	474	El Segundo	4	0.36	Secondary-Collector	64	8	0	10	10	0.74	8	26	HIGH			Dominguez Channel	
163	BI12-1	25		830	El Segundo	4	0.63	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
164	BI12-1	26	Allied Wy	821	El Segundo	4	0.62	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
165	BI12-1	27	Apollo St	440	El Segundo	4	0.33	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
166	BI12-1	28	E Maple Ave	612	El Segundo	4	0.46	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
167	BI12-1	29	S Ocean Gate Ave	95	Hawthorne	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
168	BI12-1	30	Strand	1505	Hawthorne	4	1.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
169	BI12-1	31	Union Ave	728	Hawthorne	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
170	BI12-1	32	W 133rd St	571	Hawthorne	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
171	BI12-1	33	W 135th St	2189	Hawthorne	4	1.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
172	BI12-1	34	Park Wy	0	El Segundo	4	0.00	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
173	BI12-1	35	S Allied Wy	58	El Segundo	4	0.04	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
174	BI12-1	36	S Hughes Wy	1170	El Segundo	4	0.89	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
175	BI12-1	37	S Nash St	829	El Segundo	4	0.63	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
176	BI12-1	38	E El Segundo Blvd	2257	El Segundo	6	2.56	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
179	BI12-1	41	E Grand Ave	315	El Segundo	4	0.24	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
180	BI12-1	42	E Mariposa Ave	1215	El Segundo	4	0.92	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
181	BI12-1	43	N Douglas St	1991	El Segundo	4	1.51	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
182	BI12-1	44	N Nash St	3414	El Segundo	4	2.59	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
183	BI12-1	45	S Douglas St	4211	El Segundo	4	3.19	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
184	BI12-1	46	Alaska Ave	1474	El Segundo	4	1.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
185	BI12-1	47	Campus Dr	397	El Segundo	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
186	BI12-1	48	Coral Cir	1744	El Segundo	4	1.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
187	BI12-1	49	E Grand Ave	210	El Segundo	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
188	BI12-1	50	E Maple Ave	874	El Segundo	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
189	BI12-1	51	Hawaii St	601	El Segundo	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
190	BI12-1	52	Hornet Wy	1724	El Segundo	4	1.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
191	BI12-1	53	Utah Ave	1346	El Segundo	4	1.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
192	BI12-1	54	W 135th St	6	El Segundo	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
193	BI12-1	55	E El Segundo Blvd	1699	El Segundo	6	1.93	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
194	BI12-1	56	Rosecrans Ave	538	El Segundo	6	0.61	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
195	BI12-1	57	Continental Blvd	1109	El Segundo	4	0.84	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
196	BI12-1	58	E Grand Ave	319	El Segundo	4	0.24	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
197	BI12-1	59	E Mariposa Ave	865	El Segundo	4	0.66	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
198	BI12-1	60	N Nash St	487	El Segundo	4	0.37	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
199	BI12-1	61	S Douglas St	1166	El Segundo	4	0.88	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
200	BI12-1	62		65	El Segundo	4	0.05	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
201	BI12-1	63	Apollo St	787	El Segundo	4	0.60	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
202	BI12-1	64	E Maple Ave	697	El Segundo	4	0.53	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
203	BI12-1	65	Lairport St	1202	El Segundo	4	0.91	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
204	BI12-1	66	Park Pl	1882	El Segundo	4	1.43	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
205	BI12-1	67	S Allied Wy	452	El Segundo	4	0.34	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
206	BI12-1	68	S Hughes Wy	776	El Segundo	4	0.59	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
207	BI12-1	69	S Nash St	257	El Segundo	4	0.19	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
210	BI12-1	72		61	Hawthorne	4	0.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
211	BI12-1	73	140th St	77	Hawthorne	4	0.06	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
212	BI12-1	74	141st St	179	Hawthorne	4	0.14	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
213	BI12-1	75	142nd St	241	Hawthorne	4	0.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
214	BI12-1	76	Court Wy	61	Hawthorne	4	0.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
215	BI12-1	77	Hawaii St	0	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
216	BI12-1	78	Hindry Ave	1001	Hawthorne	4	0.76	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
217	BI12-1	79	Judah Ave	873	Hawthorne	4	0.66	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
218	BI12-1	80	S Ocean Gate Ave	477	Hawthorne	4	0.36	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
219	BI12-1	81	W 142nd Pl	209	Hawthorne	4	0.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
220	BI12-1	82	W 147th St	424	Hawthorne	4	0.32	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
221	BI12-1	83	E El Segundo Blvd	1206	Hawthorne	6	1.37	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
222	BI12-1	84	N Aviation Blvd	6	Hawthorne	6	0.01	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
224	BI12-1	86		1092	Hawthorne	4	0.83	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
225	BI12-1	87	132nd St	350	Hawthorne	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
226	BI12-1	88	134th Pl	1170	Hawthorne	4	0.89	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
227	BI12-1	89	134th St	2000	Hawthorne	4	1.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
228	BI12-1	90	136th St	533	Hawthorne	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
229	BI12-1	91	137th Pl	650	Hawthorne	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
230	BI12-1	92	137th St	676	Hawthorne	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
231	BI12-1	93	138th Pl	2061	Hawthorne	4	1.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
232	BI12-1	94	138th St	1991	Hawthorne	4	1.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
233	BI12-1	95	139th St	870	Hawthorne	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
234	BI12-1	96	140th St	498	Hawthorne	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
235	BI12-1	97	141st St	325	Hawthorne	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
236	BI12-1	98	142nd St	200	Hawthorne	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
237	BI12-1	99	Alaska Ave	0	Hawthorne	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
238	BI12-1	100	Boardwalk	400	Hawthorne	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
239	BI12-1	101	Central Ave	780	Hawthorne	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
240	BI12-1	102	City Ct	155	Hawthorne	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
241	BI12-1	103	City Dr	105	Hawthorne	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
242	BI12-1	104	Delafield Ave	712	Hawthorne	4	0.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
243	BI12-1	105	Glasgow Pl	232	Hawthorne	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
244	BI12-1	106	Grider Ave	709	Hawthorne	4	0.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
245	BI12-1	107	Hansworth Ave	762	Hawthorne	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
246	BI12-1	108	Heather Wy	308	Hawthorne	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
247	BI12-1	109	Hindry Ave	1442	Hawthorne	4	1.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
248	BI12-1	110	Isis Ave	3138	Hawthorne	4	2.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
249	BI12-1	111	Judah Ave	1807	Hawthorne	4	1.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
250	BI12-1	112	Manhattan Ct	259	Hawthorne	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
251	BI12-1	113	Mission Ave	614	Hawthorne	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
252	BI12-1	114	Ocean	1371	Hawthorne	4	1.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
253	BI12-1	115	Pacific Trl	557	Hawthorne	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
254	BI12-1	116	Palm Dr	694	Hawthorne	4	0.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
255	BI12-1	117	Park	183	Hawthorne	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
256	BI12-1	118	Park Pl	402	Hawthorne	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
257	BI12-1	119	Rossburn Ave	341	Hawthorne	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
258	BI12-1	120	S Clydepark Ave	800	Hawthorne	4	0.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
259	BI12-1	121	W 142nd Pl	66	Hawthorne	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
260	BI12-1	122	Wiseburn St	2268	Hawthorne	4	1.72	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
262	BI12-1	124		436	Hawthorne	4	0.33	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
263	BI12-1	125	139th St	735	Hawthorne	4	0.56	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
264	BI12-1	126	140th St	1038	Hawthorne	4	0.79	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
265	BI12-1	127	141st St	1117	Hawthorne	4	0.85	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
266	BI12-1	128	142nd Pl	370	Hawthorne	4	0.28	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
267	BI12-1	129	142nd St	729	Hawthorne	4	0.55	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
268	BI12-1	130	Court Wy	436	Hawthorne	4	0.33	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
269	BI12-1	131	Hindry Ave	284	Hawthorne	4	0.22	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
270	BI12-1	132	Isis Ave	1676	Hawthorne	4	1.27	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
271	BI12-1	133	S Ocean Gate Ave	805	Hawthorne	4	0.61	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
272	BI12-1	134	W 142nd Pl	801	Hawthorne	4	0.61	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
273	BI12-1	135	N Sepulveda Blvd	0	El Segundo	6	0.00	Highway	100	10	1	8	10	0.74	8	26	HIGH			Dominguez Channel	
274	BI12-1	136	S Sepulveda Blvd	1524	El Segundo	6	1.73	Highway	100	10	1	8	10	0.74	8	26	HIGH			Dominguez Channel	
275	BI12-1	137	Rosecrans Ave	181	El Segundo	6	0.21	Primary-Arterial	100	10	1	8	10	0.74	8	26	HIGH			Dominguez Channel	
276	BI12-1	138	Allied Wy	358	El Segundo	4	0.27	Minor-Local	60	6	1	8	10	0.74	8	22	HIGH			Dominguez Channel	
277	BI12-1	139	E Park Pl	1031	El Segundo	4	0.78	Minor-Local	60	6	1	8	10	0.74	8	22	HIGH			Dominguez Channel	
278	BI12-2	1	Inglewood Ave	281	CO	4	0.21	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
279	BI12-2	2	S Inglewood Ave	1284	CO	4	0.97	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
280	BI12-2	3	129th St	740	CO	4	0.56	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
281	BI12-2	4	130th St	690	CO	4	0.52	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
282	BI12-2	5	131st St	777	CO	4	0.59	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
283	BI12-2	6	137th Pl	0	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
284	BI12-2	7	138th St	983	CO	4	0.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
286	BI12-2	9	Ocean Gate Ave	3661	CO	4	2.77	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
287	BI12-2	10	S La Cienega Blvd	941	CO	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
288	BI12-2	11	S Shoup Ave	4688	CO	4	3.55	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
289	BI12-2	12	W 129th St	1215	CO	4	0.92	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
290	BI12-2	13	W 130th St	1548	CO	4	1.17	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
291	BI12-2	14	W 131st St	1782	CO	4	1.35	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
292	BI12-2	15	W 132nd St	2417	CO	4	1.83	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
293	BI12-2	16	W 133rd St	2218	CO	4	1.68	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
294	BI12-2	17	W 134th Pl	1789	CO	4	1.36	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
295	BI12-2	18	W 134th St	1875	CO	4	1.42	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
296	BI12-2	19	W 135th St	1628	CO	4	1.23	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
297	BI12-2	20	W 136th St	1747	CO	4	1.32	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
304	BI12-2	27	S Inglewood Ave	140	CO	4	0.11	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
307	BI12-2	30	S La Cienega Blvd	3797	CO	4	2.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
308	BI12-2	31	S Shoup Ave	253	CO	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
309	BI12-2	32	W 132nd St	161	CO	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
311	BI12-2	34	W 134th Pl	824	CO	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
313	BI12-2	36	W 135th St	782	CO	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
323	BI12-2	46	S Ocean Gate Ave	66	Hawthorne	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
324	BI12-2	47	W 130th St	370	Hawthorne	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
325	BI12-2	48	W 131st St	587	Hawthorne	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
326	BI12-2	49	W 132nd St	634	Hawthorne	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
327	BI12-2	50	W 133rd St	211	Hawthorne	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
328	BI12-2	51	W 134th St	506	Hawthorne	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
329	BI12-2	52	W 135th St	431	Hawthorne	4	0.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
330	BI12-2	53	W 136th St	392	Hawthorne	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
332	BI12-2	55	S Inglewood Ave	2454	Hawthorne	4	1.86	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
333	BI12-2	56	129th St	37	Hawthorne	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
334	BI12-2	57	137th Pl	643	Hawthorne	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
335	BI12-2	58	138th St	629	Hawthorne	4	0.48	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
336	BI12-2	59	140th St	280	Hawthorne	4	0.21	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
337	BI12-2	60	Eucalyptus Ave	30	Hawthorne	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
338	BI12-2	61	Gale Ave	456	Hawthorne	4	0.35	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
339	BI12-2	62	Ramona Ave	275	Hawthorne	4	0.21	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
340	BI12-2	63	S Shoup Ave	358	Hawthorne	4	0.27	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
341	BI12-2	64	W 129th St	547	Hawthorne	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
342	BI12-2	65	W 130th St	1013	Hawthorne	4	0.77	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
343	BI12-2	66	W 131st St	639	Hawthorne	4	0.48	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
344	BI12-2	67	W 132nd St	335	Hawthorne	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
345	BI12-2	68	W 133rd St	289	Hawthorne	4	0.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
346	BI12-2	69	W 135th St	1514	Hawthorne	4	1.15	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
347	BI12-2	70	W 136th St	989	Hawthorne	4	0.75	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
348	BI12-2	71	W 137th St	396	Hawthorne	4	0.30	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
349	BI12-2	72	W 139th St	0	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
350	BI12-2	73	W 140th St	134	Hawthorne	4	0.10	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
351	BI12-2	74	W 141st St	35	Hawthorne	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
352	BI12-2	75	W 145th St	1143	Hawthorne	4	0.87	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
353	BI12-2	76	W 147th St	541	Hawthorne	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
355	BI12-2	78	S Inglewood Ave	1321	Hawthorne	4	1.00	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
356	BI12-2	79	134th St	99	Hawthorne	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
357	BI12-2	80	137th Pl	574	Hawthorne	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
358	BI12-2	81	137th St	254	Hawthorne	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
359	BI12-2	82	138th Pl	37	Hawthorne	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
360	BI12-2	83	138th St	278	Hawthorne	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
361	BI12-2	84	139th St	477	Hawthorne	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
362	BI12-2	85	140th St	731	Hawthorne	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
363	BI12-2	86	141st St	640	Hawthorne	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
364	BI12-2	87	Condon Ave	162	Hawthorne	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
365	BI12-2	88	Gale Ave	59	Hawthorne	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
366	BI12-2	89	Glasgow Pl	3772	Hawthorne	4	2.86	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
367	BI12-2	90	Ocean Gate Ave	194	Hawthorne	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
368	BI12-2	91	Ramona Ave	254	Hawthorne	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
370	BI12-2	93	W 142nd St	1014	Hawthorne	4	0.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
371	BI12-2	94	W 147th St	586	Hawthorne	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
372	BI12-2	95		149	Hawthorne	6	0.17	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
374	BI12-2	97	140th St	12	Hawthorne	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
375	BI12-2	98	141st St	478	Hawthorne	4	0.36	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
376	BI12-2	99	142nd Pl	631	Hawthorne	4	0.48	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
377	BI12-2	100	Glasgow Pl	454	Hawthorne	4	0.34	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
378	BI12-2	101	Hindry Ave	387	Hawthorne	4	0.29	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
805	BI12-4	1	Manhattan Beach Blvd	2320	CO	6	2.64	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
807	BI12-4	3		300	CO	4	0.23	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
808	BI12-4	4	Marine Ave	300	CO	4	0.23	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
809	BI12-4	5		140	CO	4	0.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
810	BI12-4	6	154th St	51	CO	4	0.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
811	BI12-4	7	Bodger Ave	0	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
812	BI12-4	8	Cordary Ave	2255	CO	4	1.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
813	BI12-4	9	Cranbrook Ave	2609	CO	4	1.98	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
814	BI12-4	10	Fonthill Ave	1276	CO	4	0.97	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
815	BI12-4	11	Gerkin Ave	2296	CO	4	1.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
816	BI12-4	12	Kornblum Ave	1267	CO	4	0.96	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
817	BI12-4	13	Manhattan Beach	2254	CO	4	1.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
818	BI12-4	14	Marine Ave	1519	CO	4	1.15	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
819	BI12-4	15	Prairie	2112	CO	4	1.60	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
820	BI12-4	16	Roselle Ave	1963	CO	4	1.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
821	BI12-4	17	S Doty Ave	2618	CO	4	1.98	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
822	BI12-4	18	S Florwood Ave	2258	CO	4	1.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
823	BI12-4	19	W 152nd St	242	CO	4	0.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
824	BI12-4	20	W 154th St	2432	CO	4	1.84	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
825	BI12-4	21	W 156th St	802	CO	4	0.61	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
826	BI12-4	22	W 157th St	2124	CO	4	1.61	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
827	BI12-4	23	Yukon Ave	1335	CO	4	1.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
828	BI12-4	24	S Manor Dr	516	Hawthorne	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
829	BI12-4	25	Truro Ave	515	Hawthorne	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
830	BI12-4	26	W 136th St	107	Hawthorne	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
831	BI12-4	27	Hawthorne Blvd	102	Hawthorne	6	0.12	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
832	BI12-4	28	Prairie Ave	435	Hawthorne	6	0.49	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
833	BI12-4	29	W Rosecrans Ave	224	Hawthorne	6	0.26	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
834	BI12-4	30	Marine Ave	162	Hawthorne	4	0.12	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
835	BI12-4	31		0	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
836	BI12-4	32	137th Pl	287	Hawthorne	4	0.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
837	BI12-4	33	138th St	92	Hawthorne	4	0.07	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
838	BI12-4	34	140th St	152	Hawthorne	4	0.12	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
839	BI12-4	35	141st St	449	Hawthorne	4	0.34	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
840	BI12-4	36	Bodger Ave	0	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
841	BI12-4	37	Eucalyptus Ave	48	Hawthorne	4	0.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
842	BI12-4	38	Prairie	14	Hawthorne	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
843	BI12-4	39	W 136th St	1288	Hawthorne	4	0.98	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
844	BI12-4	40	W 137th St	977	Hawthorne	4	0.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
845	BI12-4	41	W 142nd St	585	Hawthorne	4	0.44	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
846	BI12-4	42		23	Hawthorne	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
847	BI12-4	43	137th Pl	1412	Hawthorne	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
848	BI12-4	44	138th St	1917	Hawthorne	4	1.45	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
849	BI12-4	45	140th St	1886	Hawthorne	4	1.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
850	BI12-4	46	141st St	1549	Hawthorne	4	1.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
851	BI12-4	47	Eucalyptus Ave	438	Hawthorne	4	0.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
852	BI12-4	48	Firmona Ave	23	Hawthorne	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
853	BI12-4	49	Grevillea Ave	516	Hawthorne	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
854	BI12-4	50	Ramona Ave	2424	Hawthorne	4	1.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
855	BI12-4	51	S Hawthorne Wy	516	Hawthorne	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
856	BI12-4	52	W 137th St	1263	Hawthorne	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
857	BI12-4	53	W 142nd St	1419	Hawthorne	4	1.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1159	BI13B	1	Airport Blvd	4632	Los Angeles	6	5.26	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1160	BI13B	2	Aviation Blvd	3706	Los Angeles	6	4.21	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1161	BI13B	3	Portal Ave	61	Los Angeles	6	0.07	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1163	BI13B	5	Portal Ave	1954	Inglewood	4	1.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1164	BI13B	6		1101	Los Angeles	4	0.83	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1165	BI13B	7	Continental City Drive Wy	328	Los Angeles	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1166	BI13B	8	Hindry Ave	863	Los Angeles	4	0.65	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1167	BI13B	9	Vicksburg Ave	1158	Los Angeles	4	0.88	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1168	BI13B	10	W 102nd St	126	Los Angeles	4	0.10	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1169	BI13B	11	W 104th St	166	Los Angeles	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1170	BI13B	12	W 111th St	1456	Los Angeles	4	1.10	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1171	BI13B	13	W 96th St	1660	Los Angeles	4	1.26	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1172	BI13B	14	W 98th St	1889	Los Angeles	4	1.43	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1177	BI13B	19	96th Pl	518	Los Angeles	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1178	BI13B	20	Belford Ave	2256	Los Angeles	4	1.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1179	BI13B	21	Bellanca Ave	4366	Los Angeles	4	3.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1180	BI13B	22	Glider Ave	156	Los Angeles	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1181	BI13B	23	Interceptor St	1972	Los Angeles	4	1.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1182	BI13B	24	Isis Ave	840	Los Angeles	4	0.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1183	BI13B	25	Jenny Ave	2184	Los Angeles	4	1.65	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1184	BI13B	26	Lilienthal Ave	928	Los Angeles	4	0.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1185	BI13B	27	Morley St	328	Los Angeles	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1186	BI13B	28	Portal Ave	107	Los Angeles	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1187	BI13B	29	Ramsgate Ave	1900	Los Angeles	4	1.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1188	BI13B	30	Reading Ave	1803	Los Angeles	4	1.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1189	BI13B	31	W 102nd St	37	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1190	BI13B	32	W 104th St	369	Los Angeles	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1191	BI13B	33	W 88th St	226	Los Angeles	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1192	BI13B	34	W 93rd St	722	Los Angeles	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1193	BI13B	35	W 95th St	184	Los Angeles	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1194	BI13B	36	W 96th St	3292	Los Angeles	4	2.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1195	BI13B	37	W 98th St	3290	Los Angeles	4	2.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1196	BI13B	38	W 99th Pl	368	Los Angeles	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1197	BI13B	39	W 99th St	142	Los Angeles	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1198	BI13B	40	Yorktown Ave	246	Los Angeles	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1199	BI13B	41		140	Los Angeles	1	0.03	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
1200	BI13B	42		166	Los Angeles	4	0.13	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
1201	BI13B	43	Fleetwing Ave	31	Los Angeles	4	0.02	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
1203	BI13B	45	Will Rogers Pl	294	Los Angeles	4	0.22	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
1204	BI13B	46	Will Rogers St	862	Los Angeles	4	0.65	Secondary-Collector	64	8	0	10	14	0.81	10	28	HIGH			Dominguez Channel	
1205	BI13B	47	Fleetwing Ave	42	Los Angeles	4	0.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
1206	BI13B	48	Kittyhawk Ave	148	Los Angeles	4	0.11	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
1207	BI13B	49	Sepulveda Eastway	372	Los Angeles	4	0.28	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
1208	BI13B	50	Atwell Pl	160	Los Angeles	4	0.12	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1209	BI13B	51	Glasgow Pl	1041	Los Angeles	4	0.79	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1210	BI13B	52	Hindry Ave	440	Los Angeles	4	0.33	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1211	BI13B	53	Hindry Pl	419	Los Angeles	4	0.32	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1212	BI13B	54	Isis Ave	742	Los Angeles	4	0.56	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1213	BI13B	55	W 104th St	1747	Los Angeles	4	1.32	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1214	BI13B	56	W 111th St	1041	Los Angeles	4	0.79	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1215	BI13B	57	W 93rd St	13	Los Angeles	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1216	BI13B	58	W 94th St	43	Los Angeles	4	0.03	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1217	BI13B	59	W 95th St	1149	Los Angeles	4	0.87	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1218	BI13B	60	W 96th St	1346	Los Angeles	4	1.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1219	BI13B	61	W 97th St	350	Los Angeles	4	0.26	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1220	BI13B	62	W 98th St	175	Los Angeles	4	0.13	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1221	BI13B	63	W 99th St	12	Los Angeles	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
1222	BI13B	64		256	Los Angeles	1	0.05	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
1223	BI13B	65	Wiley Post Ave	812	Los Angeles	4	0.61	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1224	BI13B	66	Glider Ave	587	Los Angeles	4	0.44	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1225	BI13B	67	Lilienthal Ave	516	Los Angeles	4	0.39	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1226	BI13B	68	W 86th Pl	346	Los Angeles	4	0.26	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1227	BI13B	69	Yorktown Ave	554	Los Angeles	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1228	BI13B	70	Wiley Post Ave	298	Los Angeles	4	0.23	Secondary-Collector	64	8	1	8	14	0.81	10	26	HIGH			Dominguez Channel	
1229	BI13B	71	Will Rogers St	1132	Los Angeles	4	0.86	Secondary-Collector	64	8	1	8	14	0.81	10	26	HIGH			Dominguez Channel	
1230	BI13B	72	Airlane Ave	623	Los Angeles	4	0.47	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1231	BI13B	73	Bleriot Ave	287	Los Angeles	4	0.22	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1232	BI13B	74	Croydon Ave	477	Los Angeles	4	0.36	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1233	BI13B	75	De Haviland Ave	679	Los Angeles	4	0.51	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1234	BI13B	76	Earhart Ave	824	Los Angeles	4	0.62	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1235	BI13B	77	Fleetwing Ave	616	Los Angeles	4	0.47	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1236	BI13B	78	Glider Ave	220	Los Angeles	4	0.17	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1237	BI13B	79	Kittyhawk Ave	884	Los Angeles	4	0.67	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1238	BI13B	80	Sepulveda Eastway	837	Los Angeles	4	0.63	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1239	BI13B	81	W 86th Pl	859	Los Angeles	4	0.65	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1240	BI13B	82	W 89th St	40	Los Angeles	4	0.03	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1241	BI13B	83	Yorktown Ave	856	Los Angeles	4	0.65	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Dominguez Channel	
1242	BI13B	84	La Tijera Blvd	294	Los Angeles	6	0.33	Primary-Arterial	100	10	2	6	10	0.74	8	24	HIGH			Dominguez Channel	
1243	BI13B	85	S La Tijera Blvd	294	Los Angeles	6	0.33	Primary-Arterial	100	10	2	6	10	0.74	8	24	HIGH			Dominguez Channel	
1244	BI13B	86	Bleriot Ave	144	Los Angeles	4	0.11	Minor-Local	60	6	2	6	10	0.74	8	20	HIGH			Dominguez Channel	
1245	BI13B	87	Airlane Ave	209	Los Angeles	4	0.16	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Dominguez Channel	
1246	BI13B	88	Bleriot Ave	810	Los Angeles	4	0.61	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Dominguez Channel	
1247	BI13B	89	Croydon Ave	488	Los Angeles	4	0.37	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Dominguez Channel	
1248	BI13B	90	De Haviland Ave	70	Los Angeles	4	0.05	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Dominguez Channel	
1249	BI13B	91	Kittyhawk Ave	910	Los Angeles	4	0.69	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Dominguez Channel	
1250	BI13B	92	W 86th Pl	76	Los Angeles	4	0.06	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Dominguez Channel	
1311	BI242	2	S Normandie Ave	381	Los Angeles	6	0.43	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1312	BI242	3	Western Ave	10	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1313	BI242	4		108	Los Angeles	4	0.08	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1314	BI242	5	182nd St	71	Los Angeles	4	0.05	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1315	BI242	6	W 182nd St	907	Los Angeles	4	0.69	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1316	BI242	7		34	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1317	BI242	8	Dalton Ave	13	Los Angeles	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1318	BI242	9	Electric St	34	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1319	BI242	10	Evelyn Ave	1881	Los Angeles	4	1.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1320	BI242	11	S Brighton Ave	286	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1321	BI242	12	S Dalton Ave	254	Los Angeles	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1322	BI242	13	S Denker Ave	665	Los Angeles	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1323	BI242	14	S Harvard Blvd	123	Los Angeles	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1324	BI242	15	S Normandie Ave	1293	Los Angeles	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1325	BI242	16	W 183rd St	1223	Los Angeles	4	0.93	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1326	BI242	17	W 184th St	906	Los Angeles	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1327	BI242	18	W 185th St	901	Los Angeles	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1328	BI242	19	W 186th St	2955	Los Angeles	4	2.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1329	BI242	20	W 187th Pl	1429	Los Angeles	4	1.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1330	BI242	21	W 187th St	1455	Los Angeles	4	1.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1331	BI242	22		1321	Los Angeles	1	0.25	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
1354	BI4-1	1	W Century	755	CO	6	0.86	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1356	BI4-1	3		2737	CO	4	2.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1357	BI4-1	4	Haas Ave	132	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1358	BI4-1	5	S Gramercy Pl	353	CO	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1359	BI4-1	6	S Wilton Pl	768	CO	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1360	BI4-1	7	W 102nd St	1041	CO	4	0.79	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1361	BI4-1	8	W 103rd St	37	CO	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1362	BI4-1	9	W 111th St	379	Inglewood	4	0.29	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1363	BI4-1	10	W 90th St	66	Inglewood	4	0.05	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1364	BI4-1	11	W 94th Ave	462	Inglewood	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1365	BI4-1	12	W 95th St	485	Inglewood	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1366	BI4-1	13	W Hardy St	735	Inglewood	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1367	BI4-1	14	Service Rd	1857	Inglewood	4	1.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1368	BI4-1	15		1133	Inglewood	1	0.21	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
1369	BI4-1	16	W Century Blvd	341	Inglewood	6	0.39	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1370	BI4-1	17	W Arbor Vitae St	2091	Inglewood	4	1.58	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1371	BI4-1	18	S 2nd Ave	3206	Inglewood	4	2.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1372	BI4-1	19	S 3rd Ave	2889	Inglewood	4	2.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1373	BI4-1	20	S 4th Ave	3575	Inglewood	4	2.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1374	BI4-1	21	S 5th Ave	3272	Inglewood	4	2.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1375	BI4-1	22	S 6th Ave	1460	Inglewood	4	1.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1376	BI4-1	23	S 7th Ave	1326	Inglewood	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1377	BI4-1	24	W 102nd St	113	Inglewood	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1378	BI4-1	25	W 90th St	1375	Inglewood	4	1.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1379	BI4-1	26	W Hardy St	1385	Inglewood	4	1.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1380	BI4-1	27	Ruthelen St	495	Los Angeles	4	0.37	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1381	BI4-1	28	S Saint Andrews Pl	302	Los Angeles	4	0.23	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1382	BI4-1	29	W Century Blvd	1949	Los Angeles	6	2.21	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1384	BI4-1	31		1	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1385	BI4-1	32	Cimarron St	1563	Los Angeles	4	1.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1386	BI4-1	33	Haas Ave	2153	Los Angeles	4	1.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1387	BI4-1	34	Ruthelen St	85	Los Angeles	4	0.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1388	BI4-1	35	S Gramercy Pl	389	Los Angeles	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1389	BI4-1	36	S Saint Andrews Pl	277	Los Angeles	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1390	BI4-1	37	W 94th Pl	1	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1391	BI4-1	38	W 95th St	1240	Los Angeles	4	0.94	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1392	BI4-1	39	W 96th Pl	194	Los Angeles	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1393	BI4-1	40	W 96th St	1549	Los Angeles	4	1.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1394	BI4-1	41	W 97th St	923	Los Angeles	4	0.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1395	BI4-1	42	W 98th St	380	Los Angeles	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1396	BI4-1	43	W 99th St	348	Los Angeles	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1397	BI4-1	44	W Hardy St	5	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1398	BI4-1	45	W Century Blvd	182	CO	6	0.21	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1399	BI4-1	46		184	CO	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1400	BI4-1	47	S Gramercy Pl	155	CO	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1403	BI4-1	50	W Century Blvd	1044	Inglewood	6	1.19	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1404	BI4-1	51	W Arbor Vitae St	532	Inglewood	4	0.40	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1405	BI4-1	52	Ardath Ave	280	Inglewood	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1406	BI4-1	53	Atkinson Ave	533	Inglewood	4	0.40	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1407	BI4-1	54	Chanera Ave	249	Inglewood	4	0.19	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1408	BI4-1	55	S 1st Ave	518	Inglewood	4	0.39	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1409	BI4-1	56	S 2nd Ave	856	Inglewood	4	0.65	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1410	BI4-1	57	S 3rd Ave	674	Inglewood	4	0.51	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1411	BI4-1	58	S 4th Ave	793	Inglewood	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1412	BI4-1	59	S 5th Ave	1331	Inglewood	4	1.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1413	BI4-1	60	S 6th Ave	1590	Inglewood	4	1.20	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1414	BI4-1	61	S 7th Ave	566	Inglewood	4	0.43	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1415	BI4-1	62	S 8th Ave	1438	Inglewood	4	1.09	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1416	BI4-1	63	Thoreau St	912	Inglewood	4	0.69	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1417	BI4-1	64	W 101st St	871	Inglewood	4	0.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1418	BI4-1	65	W 102nd St	1430	Inglewood	4	1.08	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1419	BI4-1	66	W Century Blvd	159	Los Angeles	6	0.18	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1420	BI4-1	67	S Gramercy Pl	72	Los Angeles	4	0.05	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1422	BI4-1	69	W 95th St	636	Los Angeles	4	0.48	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1423	BI4-1	70	W 96th St	735	Los Angeles	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1424	BI4-1	71	W 98th St	192	Los Angeles	4	0.15	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1425	BI4-1	72	W 99th St	416	Los Angeles	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1427	BI4-1	74	W Century Blvd	735	Inglewood	6	0.84	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1428	BI4-1	75	W 104th St	72	Inglewood	4	0.05	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
1429	BI4-1	76	W 108th St	66	Inglewood	4	0.05	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
1430	BI4-1	77	Ardath Ave	1237	Inglewood	4	0.94	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1431	BI4-1	78	Atkinson Ave	806	Inglewood	4	0.61	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1432	BI4-1	79	Casimir Ave	492	Inglewood	4	0.37	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1433	BI4-1	80	Chanera Ave	6	Inglewood	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1434	BI4-1	81	Cullivan St	1073	Inglewood	4	0.81	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1435	BI4-1	82	Penney Ave	332	Inglewood	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1436	BI4-1	83	S 10th Ave	797	Inglewood	4	0.60	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1437	BI4-1	84	S 1st Ave	883	Inglewood	4	0.67	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1438	BI4-1	85	S 2nd Ave	882	Inglewood	4	0.67	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1439	BI4-1	86	S 6th Ave	754	Inglewood	4	0.57	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1440	BI4-1	87	S 7th Ave	753	Inglewood	4	0.57	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1441	BI4-1	88	S 8th Ave	1840	Inglewood	4	1.39	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1442	BI4-1	89	S Chanera Ave	1033	Inglewood	4	0.78	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1443	BI4-1	90	Thoreau St	1452	Inglewood	4	1.10	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1444	BI4-1	91	Van Wick St	1166	Inglewood	4	0.88	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1445	BI4-1	92	W 104th St	657	Inglewood	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1446	BI4-1	93	W 107th St	246	Inglewood	4	0.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1447	BI4-1	94	W 108th St	424	Inglewood	4	0.32	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1448	BI4-1	95	W 109th St	910	Inglewood	4	0.69	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1449	BI4-1	96	W 111th St	1189	Inglewood	4	0.90	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1450	BI4-1	97	W 94th Ave	199	Inglewood	4	0.15	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1451	BI4-1	98	W 95th St	199	Inglewood	4	0.15	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1452	BI4-1	99	W Arbor Vitae St	23	Inglewood	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1453	BI4-1	100	W Hardy St	548	Inglewood	4	0.42	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1454	BI4-1	101	Wilkie Ave	1146	Inglewood	4	0.87	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1455	BI4-1	102	Service Rd	4007	Inglewood	4	3.04	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1456	BI4-1	103		2719	Inglewood	1	0.51	Alley	20	4	2	6	13	0.45	6	16	MED			Dominguez Channel	
1458	BI4-1	105	W Century Blvd	541	Inglewood	6	0.62	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
1459	BI4-1	106	Casimir Ave	102	Inglewood	4	0.08	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1460	BI4-1	107	Cullivan St	98	Inglewood	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1461	BI4-1	108	Penney Ave	262	Inglewood	4	0.20	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1462	BI4-1	109	S 1st Ave	740	Inglewood	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1463	BI4-1	110	S 2nd Ave	745	Inglewood	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1464	BI4-1	111	S 3rd Ave	1627	Inglewood	4	1.23	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1465	BI4-1	112	S 4th Ave	1627	Inglewood	4	1.23	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1466	BI4-1	113	S 5th Ave	1626	Inglewood	4	1.23	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1467	BI4-1	114	S 6th Ave	2088	Inglewood	4	1.58	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1468	BI4-1	115	S 7th Ave	2062	Inglewood	4	1.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1469	BI4-1	116	S 8th Ave	3467	Inglewood	4	2.63	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1470	BI4-1	117	S 8th Pl	1321	Inglewood	4	1.00	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1471	BI4-1	118	S Spinning Ave	339	Inglewood	4	0.26	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1472	BI4-1	119	W 101st St	904	Inglewood	4	0.68	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1473	BI4-1	120	W 102nd St	959	Inglewood	4	0.73	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1474	BI4-1	121	W 104th St	1912	Inglewood	4	1.45	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1475	BI4-1	122	W 108th St	2042	Inglewood	4	1.55	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1476	BI4-1	123	W 109th St	1339	Inglewood	4	1.01	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1477	BI4-1	124	Wilkie Ave	381	Inglewood	4	0.29	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1478	BI4-1	125	Service Rd	204	Inglewood	4	0.15	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1479	BI4-1	126		3289	Inglewood	1	0.62	Alley	20	4	3	4	13	0.45	6	14	LOW			Dominguez Channel	
1480	BI4-2	1	Denker Ave	557	CO	4	0.42	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1481	BI4-2	2	Ponty St	397	CO	4	0.30	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1482	BI4-2	3	S Denker Ave	557	CO	4	0.42	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1483	BI4-2	4	W 106th St	44	CO	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1484	BI4-2	5	W 107th St	357	CO	4	0.27	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1485	BI4-2	6	W 108th St	441	CO	4	0.33	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1486	BI4-2	7	W 109th Pl	477	CO	4	0.36	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1487	BI4-2	8	W 109th St	643	CO	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1488	BI4-2	9	W 110th Pl	208	CO	4	0.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1489	BI4-2	10	W 110th St	209	CO	4	0.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1490	BI4-2	11	S Van Ness Ave	0	CO	4	0.00	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1491	BI4-2	12		670	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1492	BI4-2	13	Haas Ave	314	CO	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1493	BI4-2	14	Ponty St	338	CO	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1494	BI4-2	15	S Gramercy Pl	428	CO	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1495	BI4-2	16	S Wilton Pl	225	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1496	BI4-2	17	W 102nd St	12	CO	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1497	BI4-2	18	W 103rd St	976	CO	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1498	BI4-2	19	W 109th Pl	258	CO	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1499	BI4-2	20	W 109th St	92	CO	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1500	BI4-2	21	W 112th St	614	Inglewood	4	0.47	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1501	BI4-2	22	W 116th St	426	Inglewood	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1502	BI4-2	23	W 118th Pl	354	Inglewood	4	0.27	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1503	BI4-2	24	Service Rd	2033	Inglewood	4	1.54	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1504	BI4-2	25		3006	Inglewood	1	0.57	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
1505	BI4-2	26		289	Inglewood	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1506	BI4-2	27	S Simms Ave	636	Inglewood	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1507	BI4-2	28	W 115th St	17	Inglewood	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1508	BI4-2	29		340	Inglewood	1	0.06	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
1509	BI4-2	30	Ruthelen St	428	Los Angeles	4	0.32	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1510	BI4-2	31	S Saint Andrews Pl	428	Los Angeles	4	0.32	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1511	BI4-2	32	W 103rd St	755	Los Angeles	4	0.57	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1512	BI4-2	33	W 103rd St	211	Los Angeles	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1513	BI4-2	34	S Western Ave	483	CO	6	0.55	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
1514	BI4-2	35	S Hobart Blvd	87	CO	4	0.07	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1515	BI4-2	36	W 106th St	380	CO	4	0.29	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1516	BI4-2	37	W 107th St	380	CO	4	0.29	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1517	BI4-2	38	W 108th St	118	CO	4	0.09	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1518	BI4-2	39	W 110th Pl	321	CO	4	0.24	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1519	BI4-2	40	W 110th St	361	CO	4	0.27	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1520	BI4-2	41	S Western Ave	874	CO	6	0.99	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1522	BI4-2	43		2958	CO	4	2.24	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1523	BI4-2	44	Cimarron St	724	CO	4	0.55	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1524	BI4-2	45	Haas Ave	951	CO	4	0.72	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1525	BI4-2	46	Ponty St	54	CO	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1526	BI4-2	47	S Gramercy Pl	591	CO	4	0.45	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1527	BI4-2	48	S Hobart Blvd	891	CO	4	0.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1528	BI4-2	49	S Manhattan Pl	424	CO	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1529	BI4-2	50	S Saint Andrews Pl	176	CO	4	0.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1530	BI4-2	51	S Wilton Pl	1178	CO	4	0.89	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1531	BI4-2	52	W 103rd Pl	735	CO	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1532	BI4-2	53	W 104th St	1239	CO	4	0.94	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1533	BI4-2	54	W 105th St	468	CO	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1534	BI4-2	55	W 106th St	275	CO	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1535	BI4-2	56	W 108th St	263	CO	4	0.20	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1536	BI4-2	57	W 109th Pl	54	CO	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1537	BI4-2	58	W 109th St	49	CO	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1538	BI4-2	59	W 110th Pl	414	CO	4	0.31	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1539	BI4-2	60	W 110th St	374	CO	4	0.28	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1540	BI4-2	61	W 111th St	257	CO	4	0.19	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1542	BI4-2	63		2409	Hawthorne	4	1.83	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1543	BI4-2	64	115th Pl	873	Hawthorne	4	0.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1544	BI4-2	65	119th St	2402	Hawthorne	4	1.82	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1545	BI4-2	66	Ardath Ave	1016	Hawthorne	4	0.77	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1546	BI4-2	67	Atkinson Ave	780	Hawthorne	4	0.59	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1547	BI4-2	68	Casimir Ave	1751	Hawthorne	4	1.33	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1548	BI4-2	69	Chanera Ave	931	Hawthorne	4	0.71	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1549	BI4-2	70	Daphne Ave	441	Hawthorne	4	0.33	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1550	BI4-2	71	Purche Ave	196	Hawthorne	4	0.15	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1551	BI4-2	72	Spinning Ave	1065	Hawthorne	4	0.81	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1552	BI4-2	73	W 115th St	812	Hawthorne	4	0.62	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1553	BI4-2	74	W 116th St	2308	Hawthorne	4	1.75	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1554	BI4-2	75	W 117th St	977	Hawthorne	4	0.74	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1555	BI4-2	76	W 118th Pl	466	Hawthorne	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1556	BI4-2	77	W 118th St	720	Hawthorne	4	0.55	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1557	BI4-2	78	Wilkie Ave	1030	Hawthorne	4	0.78	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1558	BI4-2	79		693	Hawthorne	1	0.13	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
1561	BI4-2	82		451	Inglewood	4	0.34	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1562	BI4-2	83	119th St	173	Inglewood	4	0.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1563	BI4-2	84	Ardath Ave	729	Inglewood	4	0.55	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1564	BI4-2	85	Casimir Ave	92	Inglewood	4	0.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1565	BI4-2	86	Crenshaw Blvd	705	Inglewood	4	0.53	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1566	BI4-2	87	Hudspeth St	889	Inglewood	4	0.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1567	BI4-2	88	S Lemoli Ave	212	Inglewood	4	0.16	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1568	BI4-2	89	S Simms Ave	1338	Inglewood	4	1.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1569	BI4-2	90	Ruthelen St	296	Los Angeles	4	0.22	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1570	BI4-2	91	S Manhattan Pl	290	Los Angeles	4	0.22	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1571	BI4-2	92	S Saint Andrews Pl	812	Los Angeles	4	0.62	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1572	BI4-2	93	W 104th St	631	Los Angeles	4	0.48	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1573	BI4-2	94	W 106th St	493	Los Angeles	4	0.37	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
1574	BI4-2	95	S Western Ave	107	Los Angeles	6	0.12	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1575	BI4-2	96		0	Los Angeles	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1576	BI4-2	97	Ruthelen St	1260	Los Angeles	4	0.95	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1577	BI4-2	98	S Gramercy Pl	704	Los Angeles	4	0.53	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1578	BI4-2	99	S Manhattan Pl	458	Los Angeles	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1579	BI4-2	100	S Saint Andrews Pl	818	Los Angeles	4	0.62	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1580	BI4-2	101	W 104th St	335	Los Angeles	4	0.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1581	BI4-2	102	W 106th St	831	Los Angeles	4	0.63	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1582	BI4-2	103	W 108th St	900	Los Angeles	4	0.68	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1583	BI4-2	104		1298	CO	6	1.47	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1584	BI4-2	105	Imperial Hwy	1328	CO	6	1.51	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1585	BI4-2	106	S Western Ave	934	CO	6	1.06	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1586	BI4-2	107	W Imperial Hwy	19	CO	6	0.02	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1588	BI4-2	109		6171	CO	4	4.68	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1589	BI4-2	110	Cimarron St	1015	CO	4	0.77	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1590	BI4-2	111	Cullivan St	630	CO	4	0.48	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1591	BI4-2	112	Haas Ave	1306	CO	4	0.99	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1592	BI4-2	113	Imperial Hwy	1001	CO	4	0.76	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1593	BI4-2	114	Lohengrin St	2109	CO	4	1.60	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1594	BI4-2	115	Ruthelen St	1574	CO	4	1.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1595	BI4-2	116	S Gramercy Pl	321	CO	4	0.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1596	BI4-2	117	S Hobart Blvd	625	CO	4	0.47	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1597	BI4-2	118	S Manhattan Pl	2173	CO	4	1.65	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1598	BI4-2	119	S Saint Andrews Pl	1474	CO	4	1.12	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1599	BI4-2	120	S Wilton Pl	1359	CO	4	1.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1600	BI4-2	121	Thoreau St	1561	CO	4	1.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1601	BI4-2	122	Van Wick St	1038	CO	4	0.79	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1602	BI4-2	123	W 104th St	86	CO	4	0.07	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1603	BI4-2	124	W 107th St	250	CO	4	0.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1604	BI4-2	125	W 108th St	837	CO	4	0.63	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1605	BI4-2	126	W 109th St	1606	CO	4	1.22	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1606	BI4-2	127	W 110th Pl	57	CO	4	0.04	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1607	BI4-2	128	W 110th St	381	CO	4	0.29	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1608	BI4-2	129	W 111th St	1488	CO	4	1.13	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1609	BI4-2	130	W 112th St	1562	CO	4	1.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1611	BI4-2	132		28	Hawthorne	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1612	BI4-2	133	115th Pl	32	Hawthorne	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1613	BI4-2	134	119th St	28	Hawthorne	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1614	BI4-2	135	Spinning Ave	130	Hawthorne	4	0.10	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1615	BI4-2	136	W 115th St	388	Hawthorne	4	0.29	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1616	BI4-2	137	W 116th St	257	Hawthorne	4	0.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1617	BI4-2	138	Imperial Hwy	2	Inglewood	6	0.00	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1620	BI4-2	141	Hudspeth St	641	Inglewood	4	0.49	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1621	BI4-2	142	S Spinning Ave	1561	Inglewood	4	1.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1622	BI4-2	143	Thoreau St	27	Inglewood	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1623	BI4-2	144	Van Wick St	20	Inglewood	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1624	BI4-2	145	W 104th St	12	Inglewood	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1625	BI4-2	146	W 111th St	373	Inglewood	4	0.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1626	BI4-2	147	W 112th St	920	Inglewood	4	0.70	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1627	BI4-2	148	Service Rd	661	Inglewood	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1628	BI4-2	149		1937	Inglewood	1	0.37	Alley	20	4	2	6	13	0.45	6	16	MED			Dominguez Channel	
1629	BI4-2	150	Ruthelen St	73	Los Angeles	4	0.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1630	BI4-2	151	S Gramercy Pl	335	Los Angeles	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1631	BI4-2	152	W 108th St	423	Los Angeles	4	0.32	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1633	BI4-2	154		897	CO	4	0.68	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1634	BI4-2	155	Cimarron St	90	CO	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1635	BI4-2	156	Cullivan St	923	CO	4	0.70	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1636	BI4-2	157	Haas Ave	34	CO	4	0.03	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1637	BI4-2	158	Lohengrin St	477	CO	4	0.36	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1638	BI4-2	159	Ruthelen St	125	CO	4	0.09	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1639	BI4-2	160	S Wilton Pl	1896	CO	4	1.44	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1640	BI4-2	161	Thoreau St	917	CO	4	0.69	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1641	BI4-2	162	Van Wick St	1060	CO	4	0.80	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1642	BI4-2	163	W 107th St	329	CO	4	0.25	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1643	BI4-2	164	W 108th St	487	CO	4	0.37	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1644	BI4-2	165	W 109th Pl	685	CO	4	0.52	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1645	BI4-2	166	W 109th St	660	CO	4	0.50	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1646	BI4-2	167	W 111th St	251	CO	4	0.19	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1647	BI4-2	168	Cullivan St	345	Inglewood	4	0.26	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1648	BI4-2	169	S 1st Ave	4	Inglewood	4	0.00	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1649	BI4-2	170	S Spinning Ave	740	Inglewood	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1650	BI4-2	171	W 108th St	119	Inglewood	4	0.09	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1651	BI4-2	172		1174	Inglewood	1	0.22	Alley	20	4	3	4	13	0.45	6	14	LOW			Dominguez Channel	
1652	BI432	1	Western Ave	472	Los Angeles	6	0.54	Highway	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
1653	BI432	2		83	Los Angeles	6	0.09	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
1654	BI432	3	190th St	8	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
1655	BI432	4	Western Ave	280	Los Angeles	6	0.32	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
1656	BI432	5	Knox St	220	Los Angeles	4	0.17	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
1657	BI432	6	Western Ave	1230	Los Angeles	6	1.40	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1658	BI432	7	185th St	30	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1659	BI432	8	186th St	28	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1660	BI432	9	Dalton Ave	64	Los Angeles	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1661	BI432	10	Molina Ln	193	Los Angeles	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1662	BI432	11	S Dalton Ave	406	Los Angeles	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1663	BI432	12	S Denker Ave	992	Los Angeles	4	0.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1664	BI432	13	S Harvard Blvd	811	Los Angeles	4	0.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1665	BI432	14	W 183rd St	1028	Los Angeles	4	0.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1666	BI432	15	W 184th St	1346	Los Angeles	4	1.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1667	BI432	16	W 185th St	191	Los Angeles	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1668	BI432	17	W 186th St	50	Los Angeles	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1669	BI439E	1		361	Hawthorne	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1671	BI439E	3	W 120th St	14	Hawthorne	4	0.01	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1672	BI439E	4		974	Hawthorne	4	0.74	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1673	BI439E	5	W 120th St	167	Hawthorne	4	0.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1676	BI439E	8		666	CO	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1677	BI439E	9	119th St	2	CO	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1678	BI439E	10	Ruthelen St	964	CO	4	0.73	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1679	BI439E	11	S Saint Andrews Pl	983	CO	4	0.74	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1680	BI439E	12	S Wilton Pl	1438	CO	4	1.09	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1681	BI439E	13	W 115th St	782	CO	4	0.59	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1682	BI439E	14	W 117th St	14	CO	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1683	BI439E	15	W Imperial Hwy	1236	CO	4	0.94	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1685	BI439E	17		1330	Hawthorne	4	1.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1686	BI439E	18	119th St	1330	Hawthorne	4	1.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1687	BI439E	19	Cimarron Ave	1805	Hawthorne	4	1.37	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1688	BI439E	20	Daleside Ave	1063	Hawthorne	4	0.81	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1689	BI439E	21	Haas Ave	1808	Hawthorne	4	1.37	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1690	BI439E	22	S Wilton Pl	490	Hawthorne	4	0.37	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1691	BI439E	23	Tarron Ave	1793	Hawthorne	4	1.36	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1692	BI439E	24	W 115th St	1320	Hawthorne	4	1.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1693	BI439E	25	W 116th St	1322	Hawthorne	4	1.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1694	BI439E	26	W 117th St	0	Hawthorne	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1695	BI439E	27	W 120th St	1190	Hawthorne	4	0.90	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1697	BI439E	29	Service Rd	108	Inglewood	4	0.08	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1698	BI4401-1	1	W 82nd Pl	348	Inglewood	4	0.26	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1699	BI4401-1	2	W 83rd St	812	Inglewood	4	0.62	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1700	BI4401-1	3	W 84th Pl	782	Inglewood	4	0.59	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1701	BI4401-1	4	W 85th St	660	Inglewood	4	0.50	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1702	BI4401-1	5		1939	Inglewood	1	0.37	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
1703	BI4401-1	6	Crenshaw Blvd	1762	Inglewood	6	2.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1704	BI4401-1	7	E Manchester Blvd	877	Inglewood	6	1.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1706	BI4401-1	9	W Manchester Blvd	2157	Inglewood	6	2.45	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1707	BI4401-1	10	N Hillcrest Blvd	286	Inglewood	4	0.22	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1708	BI4401-1	11	S 8th Ave	842	Inglewood	4	0.64	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1709	BI4401-1	12	S Hillcrest Blvd	260	Inglewood	4	0.20	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
1710	BI4401-1	13	11th Ave	118	Inglewood	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1711	BI4401-1	14	E Aerick St	384	Inglewood	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1712	BI4401-1	15	E Carondelet Wy	427	Inglewood	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1713	BI4401-1	16	E Nutwood St	916	Inglewood	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1714	BI4401-1	17	E Queen St	653	Inglewood	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1715	BI4401-1	18	E Regent St	784	Inglewood	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1716	BI4401-1	19	E Spruce Ave	714	Inglewood	4	0.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1717	BI4401-1	20	E Tamarack Ave	652	Inglewood	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1718	BI4401-1	21	Howland Dr	782	Inglewood	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1719	BI4401-1	22	Manchester Dr	215	Inglewood	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1720	BI4401-1	23	Manchester Ter	615	Inglewood	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1721	BI4401-1	24	N Eastwood Ave	582	Inglewood	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1722	BI4401-1	25	Regent Cir	20	Inglewood	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1723	BI4401-1	26	S 10th Ave	387	Inglewood	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1724	BI4401-1	27	S 11th Ave	642	Inglewood	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1725	BI4401-1	28	S 6th Ave	12	Inglewood	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1726	BI4401-1	29	S 7th Ave	1360	Inglewood	4	1.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1727	BI4401-1	30	S 8th Ave	19	Inglewood	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1728	BI4401-1	31	S Flower St	27	Inglewood	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1729	BI4401-1	32	W 83rd St	1961	Inglewood	4	1.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1730	BI4401-1	33	W 84th Pl	2082	Inglewood	4	1.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1731	BI4401-1	34	W 84th St	1807	Inglewood	4	1.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1732	BI4401-1	35	W 85th St	2149	Inglewood	4	1.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1733	BI4401-1	36		2158	Inglewood	1	0.41	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
1734	BI4401-1	37	Crenshaw Blvd	508	Inglewood	6	0.58	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1735	BI4401-1	38	E Manchester Blvd	835	Inglewood	6	0.95	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1738	BI4401-1	41	W Manchester Blvd	2804	Inglewood	6	3.19	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1739	BI4401-1	42	Crenshaw Dr	1582	Inglewood	4	1.20	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1740	BI4401-1	43	Pincay Dr	2373	Inglewood	4	1.80	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1741	BI4401-1	44	11th Ave	78	Inglewood	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1742	BI4401-1	45	Crenshaw Dr	180	Inglewood	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1743	BI4401-1	46	E Aerick St	556	Inglewood	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1744	BI4401-1	47	E Kelso St	3	Inglewood	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1745	BI4401-1	48	E Nutwood St	737	Inglewood	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1746	BI4401-1	49	E Queen St	788	Inglewood	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1747	BI4401-1	50	E Tamarack Ave	83	Inglewood	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1748	BI4401-1	51	Kareem Ct	1293	Inglewood	4	0.98	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1749	BI4401-1	52	Manchester Dr	787	Inglewood	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1750	BI4401-1	53	Manchester Ter	789	Inglewood	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1751	BI4401-1	54	S 10th Ave	75	Inglewood	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1752	BI4401-1	55	S 12th Ave	117	Inglewood	4	0.09	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1753	BI4401-1	56	S Osage Ave	1006	Inglewood	4	0.76	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1755	BI4401-1	58	W Manchester Blvd	85	Inglewood	6	0.10	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1756	BI4401-1	59	E Nutwood St	54	Inglewood	4	0.04	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1757	BI4401-1	60	S 12th Ave	82	Inglewood	4	0.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1758	BI4401-1	61	Victoria Ave	882	Inglewood	4	0.67	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1759	BI4401-1	62	W 82nd Pl	735	Inglewood	4	0.56	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1760	BI4401-1	63	W 82nd St	87	Inglewood	4	0.07	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1761	BI4401-1	64	W 83rd St	735	Inglewood	4	0.56	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1762	BI4401-1	65	W 88th St	16	Inglewood	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1763	BI4401-1	66	West Blvd	213	Inglewood	4	0.16	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1764	BI4401-1	67		255	Inglewood	1	0.05	Alley	20	4	2	6	13	0.45	6	16	MED			Dominguez Channel	
1765	BI4401-1	68	W Manchester Blvd	1470	Inglewood	6	1.67	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
1766	BI4401-1	69	Crenshaw Dr	190	Inglewood	4	0.14	Secondary-Collector	64	8	3	4	13	0.45	6	18	MED			Dominguez Channel	
1767	BI4401-1	70	Victoria Ave	104	Inglewood	4	0.08	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1768	BI4401-1	71	W 82nd Pl	90	Inglewood	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1769	BI4401-1	72	W 83rd St	90	Inglewood	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1770	BI4401-1	73	W 84th Pl	825	Inglewood	4	0.63	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1771	BI4401-1	74	W 85th St	1040	Inglewood	4	0.79	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1772	BI4401-1	75	West Blvd	1676	Inglewood	4	1.27	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1773	BI4401-1	76	Service Rd	27	Inglewood	4	0.02	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1774	BI4401-2	1	W 106th St	571	Inglewood	4	0.43	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1775	BI4401-2	2	W 88th St	735	Inglewood	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1776	BI4401-2	3	W 90th St	469	Inglewood	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1777	BI4401-2	4	Service Rd	1190	Inglewood	4	0.90	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1778	BI4401-2	5		319	Inglewood	1	0.06	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1779	BI4401-2	6	Crenshaw Blvd	970	Inglewood	6	1.10	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
1780	BI4401-2	7	S 5th Ave	1283	Inglewood	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1781	BI4401-2	8	S 6th Ave	1291	Inglewood	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1782	BI4401-2	9	S 7th Ave	1299	Inglewood	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1783	BI4401-2	10	S 8th Ave	980	Inglewood	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1784	BI4401-2	11	S Doty Ave	1244	Inglewood	4	0.94	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1785	BI4401-2	12	W 104th St	393	Inglewood	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1786	BI4401-2	13	W 105th St	577	Inglewood	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1787	BI4401-2	14	W 106th St	937	Inglewood	4	0.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1788	BI4401-2	15	W 107th St	482	Inglewood	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1789	BI4401-2	16	W 88th St	1536	Inglewood	4	1.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1790	BI4401-2	17		2309	Inglewood	1	0.44	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
1791	BI4401-2	18	Crenshaw Blvd	843	Inglewood	6	0.96	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1792	BI4401-2	19	W Century Blvd	2312	Inglewood	6	2.63	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
1793	BI4401-2	20		74	Inglewood	4	0.06	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1794	BI4401-2	21	Pincay Dr	778	Inglewood	4	0.59	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1795	BI4401-2	22	Yukon Ave	505	Inglewood	4	0.38	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
1796	BI4401-2	23	11th Ave	803	Inglewood	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1797	BI4401-2	24	Club Dr	96	Inglewood	4	0.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1798	BI4401-2	25	S 10th Ave	807	Inglewood	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1799	BI4401-2	26	S 8th Ave	326	Inglewood	4	0.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1800	BI4401-2	27	S Doty Ave	1219	Inglewood	4	0.92	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1801	BI4401-2	28	W 102nd St	1198	Inglewood	4	0.91	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1802	BI4401-2	29	W 104th St	1727	Inglewood	4	1.31	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1803	BI4401-2	30	W 105th St	908	Inglewood	4	0.69	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1804	BI4401-2	31	W Century Blvd	1797	Inglewood	6	2.04	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
1805	BI4401-2	32		586	Inglewood	4	0.44	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
1806	BI4401-2	33	Pincay Dr	1551	Inglewood	4	1.18	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
1807	BI4401-2	34	W 104th St	59	Inglewood	4	0.05	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
1808	BI4401-2	35	Yukon Ave	860	Inglewood	4	0.65	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
1809	BI4401-2	36		323	Inglewood	4	0.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1810	BI4401-2	37	11th Ave	320	Inglewood	4	0.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1811	BI4401-2	38	Bartdon Ave	337	Inglewood	4	0.26	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1812	BI4401-2	39	Club Dr	811	Inglewood	4	0.61	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1813	BI4401-2	40	Darby Ave	632	Inglewood	4	0.48	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1814	BI4401-2	41	Dixon Ave	630	Inglewood	4	0.48	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1815	BI4401-2	42	England Ave	889	Inglewood	4	0.67	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1816	BI4401-2	43	S 10th Ave	2404	Inglewood	4	1.82	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1817	BI4401-2	44	S 11th Ave	1405	Inglewood	4	1.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1818	BI4401-2	45	S 12th Ave	800	Inglewood	4	0.61	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1819	BI4401-2	46	S Village Dr	435	Inglewood	4	0.33	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1820	BI4401-2	47	W 102nd St	962	Inglewood	4	0.73	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1821	BI4401-2	48	W 104th St	2138	Inglewood	4	1.62	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1822	BI4401-2	49	W 88th St	228	Inglewood	4	0.17	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1823	BI4401-2	50	W 99th St	653	Inglewood	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1824	BI4401-2	51	W Arbor Vitae St	814	Inglewood	4	0.62	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1825	BI4401-2	52	W Hardy St	324	Inglewood	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1826	BI4401-2	53	Woodworth Ave	781	Inglewood	4	0.59	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1827	BI4401-2	54	Service Rd	3251	Inglewood	4	2.46	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1828	BI4401-2	55		4334	Inglewood	1	0.82	Alley	20	4	2	6	13	0.45	6	16	MED			Dominguez Channel	
1830	BI4401-2	57	Pincay Dr	602	Inglewood	4	0.46	Secondary-Collector	64	8	3	4	13	0.45	6	18	MED			Dominguez Channel	
1831	BI4401-2	58	S 10th Ave	665	Inglewood	4	0.50	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1832	BI4401-2	59	S 11th Ave	652	Inglewood	4	0.49	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1833	BI4401-2	60	S 12th Ave	320	Inglewood	4	0.24	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1834	BI4401-2	61	W 99th St	88	Inglewood	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1835	BI4401-2	62	W Hardy St	336	Inglewood	4	0.25	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1836	BI4401-2	63	Service Rd	705	Inglewood	4	0.53	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
1837	BI4402A	1	W 108th St	559	Inglewood	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1838	BI4402A	2	W 109th St	1044	Inglewood	4	0.79	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1839	BI4402A	3	W 110th St	1459	Inglewood	4	1.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1840	BI4402A	4	W 111th Pl	1129	Inglewood	4	0.86	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1841	BI4402A	5	W 111th St	1399	Inglewood	4	1.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1842	BI4402A	6	W 112th St	790	Inglewood	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1843	BI4402A	7	W 113th St	537	Inglewood	4	0.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1844	BI4402A	8		2060	Inglewood	1	0.39	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
1846	BI4402A	10		391	Inglewood	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1847	BI4402A	11	S Cherry Ave	1767	Inglewood	4	1.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1848	BI4402A	12	S Dehn Ave	630	Inglewood	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1849	BI4402A	13	S Lemoli Ave	1121	Inglewood	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1850	BI4402A	14	S Simms Ave	41	Inglewood	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1851	BI4402A	15	W 111th Pl	171	Inglewood	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1852	BI4402A	16	W 112th St	510	Inglewood	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1853	BI4402A	17	W 113th St	772	Inglewood	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1854	BI4402A	18	W 115th St	347	Inglewood	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1855	BI4402A	19	W 116th St	334	Inglewood	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1856	BI4402A	20	W 117th St	598	Inglewood	4	0.45	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1857	BI4402A	21	W 118th Pl	227	Inglewood	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1858	BI4402A	22	W 118th St	306	Inglewood	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
1859	BI4402A	23		742	Inglewood	1	0.14	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
1862	BI4402A	26		558	Inglewood	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1863	BI4402A	27	S Lemoli Ave	1526	Inglewood	4	1.16	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1864	BI4402A	28	Thoreau St	9	Inglewood	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
1866	BI4402A	30	S 10th Ave	326	Inglewood	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1867	BI4402A	31	W 107th St	1	Inglewood	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1868	BI4402A	32	W 108th St	641	Inglewood	4	0.49	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1869	BI4402A	33	W 109th St	259	Inglewood	4	0.20	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
1870	BI4402A	34		403	Inglewood	1	0.08	Alley	20	4	2	6	13	0.45	6	16	MED			Dominguez Channel	
2156	BI534-1	3	Freeman Ave	311	CO	4	0.24	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2157	BI534-1	4	S Burin Ave	57	CO	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2158	BI534-1	5	S Freeman Ave	446	CO	4	0.34	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2159	BI534-1	6	S Osage Ave	54	CO	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2160	BI534-1	7	W 104th St	1904	CO	4	1.44	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2161	BI534-1	8	W 105th St	1176	CO	4	0.89	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2162	BI534-1	9	W 106th St	1342	CO	4	1.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2163	BI534-1	10		29	CO	1	0.01	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
2164	BI534-1	11	W Kelso St	140	Inglewood	4	0.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2165	BI534-1	12		7979	Inglewood	1	1.51	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
2167	BI534-1	14	S Prairie Ave	21	Inglewood	6	0.02	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	
2169	BI534-1	16	E La Palma Dr	4	Inglewood	4	0.00	Secondary-Collector	64	8	1	8	16	0.36	4	20	HIGH			Dominguez Channel	
2170	BI534-1	17	E Manchester Blvd	821	Inglewood	6	0.93	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2172	BI534-1	19		66	Inglewood	4	0.05	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2174	BI534-1	21	E Hillcrest Blvd	1331	Inglewood	4	1.01	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2175	BI534-1	22	S Grevillea Ave	2531	Inglewood	4	1.92	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2176	BI534-1	23	S Hillcrest Blvd	75	Inglewood	4	0.06	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2178	BI534-1	25	W Hillcrest Blvd	799	Inglewood	4	0.61	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2179	BI534-1	26		97	Inglewood	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2180	BI534-1	27	E 94th St	661	Inglewood	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2181	BI534-1	28	E Buckthorn St	615	Inglewood	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2182	BI534-1	29	E Hillcrest Blvd	97	Inglewood	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2183	BI534-1	30	E Kelso St	943	Inglewood	4	0.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2184	BI534-1	31	E Nutwood St	812	Inglewood	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2185	BI534-1	32	E Spruce Ave	1415	Inglewood	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2186	BI534-1	33	E Tamarack Ave	817	Inglewood	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2187	BI534-1	34	S Fir Ave	768	Inglewood	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2188	BI534-1	35	S Flower St	461	Inglewood	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2189	BI534-1	36	S Locust St	747	Inglewood	4	0.57	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2190	BI534-1	37	S Maple Ave	900	Inglewood	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2191	BI534-1	38	S Walnut St	1713	Inglewood	4	1.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2192	BI534-1	39	W Buckthorn St	824	Inglewood	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2193	BI534-1	40	W Kelso St	693	Inglewood	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2194	BI534-1	41	W Lime St	811	Inglewood	4	0.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2195	BI534-1	42		7679	Inglewood	1	1.45	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
2196	BI534-1	43		47	Inglewood	6	0.05	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2199	BI534-1	46	S Prairie Ave	13	Inglewood	6	0.01	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2200	BI534-1	47	W Century Blvd	4341	Inglewood	6	4.93	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2201	BI534-1	48		40	Inglewood	4	0.03	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
2202	BI534-1	49	S Grevillea Ave	2040	Inglewood	4	1.55	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
2203	BI534-1	50	S Inglewood Ave	3297	Inglewood	4	2.50	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
2205	BI534-1	52	W Hillcrest Blvd	2620	Inglewood	4	1.98	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
2206	BI534-1	53		240	Inglewood	4	0.18	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2207	BI534-1	54	Condon Ave	64	Inglewood	4	0.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2208	BI534-1	55	Dalerose Ave	57	Inglewood	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2209	BI534-1	56	E 94th St	38	Inglewood	4	0.03	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2210	BI534-1	57	E 97th St	462	Inglewood	4	0.35	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2211	BI534-1	58	E 98th St	1409	Inglewood	4	1.07	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2212	BI534-1	59	E 99th St	1988	Inglewood	4	1.51	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2213	BI534-1	60	E Hardy St	690	Inglewood	4	0.52	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2214	BI534-1	61	Freeman Ave	25	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2215	BI534-1	62	S Burin Ave	1293	Inglewood	4	0.98	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2216	BI534-1	63	S Cedar Ave	3222	Inglewood	4	2.44	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2217	BI534-1	64	S Eucalyptus Ave	4814	Inglewood	4	3.65	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2218	BI534-1	65	S Fir Ave	4101	Inglewood	4	3.11	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2219	BI534-1	66	S Firmona Ave	54	Inglewood	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2220	BI534-1	67	S Flower St	505	Inglewood	4	0.38	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2221	BI534-1	68	S Freeman Ave	995	Inglewood	4	0.75	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2222	BI534-1	69	S Grevillea Ave	59	Inglewood	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2223	BI534-1	70	S Holly St	51	Inglewood	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2224	BI534-1	71	S Larch St	318	Inglewood	4	0.24	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2225	BI534-1	72	S Mansel Ave	50	Inglewood	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2226	BI534-1	73	S Maple Ave	1742	Inglewood	4	1.32	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2227	BI534-1	74	S Myers Pl	736	Inglewood	4	0.56	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2228	BI534-1	75	S Myrtle Ave	782	Inglewood	4	0.59	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2229	BI534-1	76	S Oak St	2451	Inglewood	4	1.86	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2230	BI534-1	77	S Rosewood Ave	1084	Inglewood	4	0.82	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2231	BI534-1	78	S Truro Ave	1975	Inglewood	4	1.50	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2232	BI534-1	79	S Walnut St	2391	Inglewood	4	1.81	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2233	BI534-1	80	W 101st St	1586	Inglewood	4	1.20	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2234	BI534-1	81	W 102nd St	2134	Inglewood	4	1.62	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2235	BI534-1	82	W 103rd St	1432	Inglewood	4	1.09	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2236	BI534-1	83	W 104th St	21	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2237	BI534-1	84	W 105th St	40	Inglewood	4	0.03	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2238	BI534-1	85	W 106th St	131	Inglewood	4	0.10	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2239	BI534-1	86	W 94th St	863	Inglewood	4	0.65	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2240	BI534-1	87	W 98th St	1362	Inglewood	4	1.03	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2241	BI534-1	88	W Buckthorn St	2982	Inglewood	4	2.26	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2242	BI534-1	89	W Elm Ave	1582	Inglewood	4	1.20	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2243	BI534-1	90	W Hardy St	782	Inglewood	4	0.59	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2244	BI534-1	91	W Kelso St	2631	Inglewood	4	1.99	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2245	BI534-1	92	W Lime St	1966	Inglewood	4	1.49	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2246	BI534-1	93	W Magnolia Ave	2417	Inglewood	4	1.83	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2247	BI534-1	94	W Nectarine St	1399	Inglewood	4	1.06	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2248	BI534-1	95	W Olive St	2614	Inglewood	4	1.98	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2249	BI534-1	96	W Spruce Ave	2457	Inglewood	4	1.86	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2250	BI534-1	97		8640	Inglewood	1	1.64	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
2251	BI534-1	98	E La Palma Dr	27	Inglewood	6	0.03	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2252	BI534-1	99	E Manchester Blvd	695	Inglewood	6	0.79	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2253	BI534-1	100	S La Brea Ave	3157	Inglewood	6	3.59	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2254	BI534-1	101	S Market St	1864	Inglewood	6	2.12	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2256	BI534-1	103	E Hillcrest Blvd	1284	Inglewood	4	0.97	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
2257	BI534-1	104	E La Palma Dr	2301	Inglewood	4	1.74	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
2258	BI534-1	105	S Grevillea Ave	1309	Inglewood	4	0.99	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
2259	BI534-1	106	Davis Dr	496	Inglewood	4	0.38	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2260	BI534-1	107	E Buckthorn St	1664	Inglewood	4	1.26	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2261	BI534-1	108	E Kelso St	2276	Inglewood	4	1.72	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2262	BI534-1	109	E Nutwood St	1085	Inglewood	4	0.82	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2263	BI534-1	110	E Spruce Ave	927	Inglewood	4	0.70	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2264	BI534-1	111	E Tamarack Ave	1449	Inglewood	4	1.10	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2265	BI534-1	112	S Flower St	1040	Inglewood	4	0.79	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2266	BI534-1	113	S Java St	505	Inglewood	4	0.38	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2267	BI534-1	114	S Larch St	1308	Inglewood	4	0.99	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2268	BI534-1	115	S Myrtle Ave	1165	Inglewood	4	0.88	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2269	BI534-1	116	S Orchard Dr	546	Inglewood	4	0.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2270	BI534-1	117	S Osage Ave	980	Inglewood	4	0.74	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2271	BI534-1	118	E 97th St	2150	Inglewood	4	1.63	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2272	BI534-1	119	E 99th St	507	Inglewood	4	0.38	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2273	BI534-1	120	E Buckthorn St	601	Inglewood	4	0.46	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2274	BI534-1	121	E Hardy St	2630	Inglewood	4	1.99	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2275	BI534-1	122	S Flower St	2741	Inglewood	4	2.08	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2276	BI534-1	123	S Larch St	952	Inglewood	4	0.72	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2277	BI534-1	124	S Myrtle Ave	2160	Inglewood	4	1.64	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2278	BI534-1	125	S Orchard Dr	774	Inglewood	4	0.59	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2279	BI534-1	126	S Osage Ave	2221	Inglewood	4	1.68	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2280	BI534-1	127		3767	Inglewood	1	0.71	Alley	20	4	1	8	16	0.36	4	16	MED			Dominguez Channel	
2281	BI534-2	1	W 115th St	628	Hawthorne	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2282	BI534-2	2	W 116th St	624	Hawthorne	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2283	BI534-2	3	W 117th St	55	Hawthorne	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2284	BI534-2	4		364	Inglewood	1	0.07	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
2286	BI534-2	6	W Century Blvd	768	Inglewood	6	0.87	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	
2288	BI534-2	8	E La Palma Dr	411	Inglewood	4	0.31	Secondary-Collector	64	8	1	8	16	0.36	4	20	HIGH			Dominguez Channel	
2289	BI534-2	9	Doty Ave	407	Hawthorne	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2293	BI534-2	13	Doty Ave	43	Inglewood	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2294	BI534-2	14	S Doty Ave	872	Inglewood	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2295	BI534-2	15	W 104th St	249	Inglewood	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2296	BI534-2	16	W 105th St	493	Inglewood	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2297	BI534-2	17	W 106th St	637	Inglewood	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2298	BI534-2	18	W 107th St	915	Inglewood	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2299	BI534-2	19	W 108th St	1337	Inglewood	4	1.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2300	BI534-2	20	W 109th St	1360	Inglewood	4	1.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2301	BI534-2	21	W 110th St	1356	Inglewood	4	1.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2302	BI534-2	22	W 111th Pl	1345	Inglewood	4	1.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2303	BI534-2	23	W 111th St	1396	Inglewood	4	1.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2304	BI534-2	24	W 112th St	2025	Inglewood	4	1.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2305	BI534-2	25	W 113th St	2025	Inglewood	4	1.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2306	BI534-2	26		42	Inglewood	1	0.01	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
2307	BI534-2	27		41	Inglewood	6	0.05	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2309	BI534-2	29	W Century Blvd	120	Inglewood	6	0.14	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2310	BI534-2	30	Lennox Blvd	146	Inglewood	4	0.11	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
2311	BI534-2	31	W 101st St	147	Inglewood	4	0.11	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2312	BI534-2	32	W 102nd St	867	Inglewood	4	0.66	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2313	BI534-2	33	W 103rd St	148	Inglewood	4	0.11	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2314	BI534-2	34	W 104th St	1014	Inglewood	4	0.77	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2315	BI534-2	35	W 105th St	795	Inglewood	4	0.60	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2316	BI534-2	36	W 106th St	535	Inglewood	4	0.40	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2317	BI534-2	37	W 107th St	464	Inglewood	4	0.35	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2318	BI534-2	38	W 108th St	28	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2319	BI534-2	39		1283	Inglewood	1	0.24	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
2321	BI534-2	41	W Century Blvd	233	Inglewood	6	0.26	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2322	BI534-2	42	E Kelso St	419	Inglewood	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2323	BI534-2	43	W 102nd St	52	Inglewood	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2324	BI534-2	44	E 97th St	31	Inglewood	4	0.02	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2325	BI534-2	45	E 99th St	148	Inglewood	4	0.11	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2326	BI534-2	46	E Buckthorn St	403	Inglewood	4	0.31	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2327	BI534-2	47	E Hardy St	22	Inglewood	4	0.02	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2328	BI534-2	48	S Osage Ave	21	Inglewood	4	0.02	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2329	BI534-2	49	W 102nd St	52	Inglewood	4	0.04	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2330	BI534-2	50		1517	Inglewood	1	0.29	Alley	20	4	1	8	16	0.36	4	16	MED			Dominguez Channel	
2331	BI536A	1	W 135th St	265	CO	4	0.20	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2332	BI536A	2	Cerise Ave	0	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2333	BI536A	3	W 132nd Pl	18	Hawthorne	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2334	BI536A	4	W 132nd St	444	Hawthorne	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2335	BI536A	5	W 133rd St	1421	Hawthorne	4	1.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2336	BI536A	6	W 134th Pl	456	Hawthorne	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2337	BI536A	7	W 134th St	1145	Hawthorne	4	0.87	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2338	BI536A	8	Hawthorne Blvd	4252	Hawthorne	6	4.83	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
2339	BI536A	9	Prairie Ave	3186	Hawthorne	6	3.62	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
2341	BI536A	11	W Rosecrans Ave	305	Hawthorne	6	0.35	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
2342	BI536A	12	W 135th St	251	Hawthorne	4	0.19	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
2343	BI536A	13	Yukon Ave	2308	Hawthorne	4	1.75	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
2344	BI536A	14		168	Hawthorne	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2345	BI536A	15	137th Pl	7	Hawthorne	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2346	BI536A	16	138th St	2648	Hawthorne	4	2.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2347	BI536A	17	140th St	6	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2348	BI536A	18	141st St	2648	Hawthorne	4	2.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2349	BI536A	19	142nd St	858	Hawthorne	4	0.65	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2350	BI536A	20	144th St	891	Hawthorne	4	0.68	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2351	BI536A	21	Cerise Ave	1774	Hawthorne	4	1.34	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2352	BI536A	22	Cordary Ave	2374	Hawthorne	4	1.80	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2353	BI536A	23	Doty Ave	2341	Hawthorne	4	1.77	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2354	BI536A	24	Fonthill Ave	502	Hawthorne	4	0.38	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2355	BI536A	25	Jefferson Ave	3483	Hawthorne	4	2.64	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2356	BI536A	26	Kornblum Ave	2302	Hawthorne	4	1.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2357	BI536A	27	Lemoli Wy	168	Hawthorne	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2358	BI536A	28	Lisso Ave	546	Hawthorne	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2359	BI536A	29	Ramona Ave	800	Hawthorne	4	0.61	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2360	BI536A	30	Slayton St	180	Hawthorne	4	0.14	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2361	BI536A	31	W 132nd St	1265	Hawthorne	4	0.96	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2362	BI536A	32	W 133rd St	3380	Hawthorne	4	2.56	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2363	BI536A	33	W 134th St	3949	Hawthorne	4	2.99	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2364	BI536A	34	W 135th St	4029	Hawthorne	4	3.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2365	BI536A	35	W 136th St	2648	Hawthorne	4	2.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2366	BI536A	36	W 137th St	2647	Hawthorne	4	2.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2367	BI536A	37	W 139th St	5892	Hawthorne	4	4.46	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2368	BI536A	38	W 142nd St	1794	Hawthorne	4	1.36	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2369	BI536A	39	Washington Ave	3480	Hawthorne	4	2.64	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
2370	BI536A	40	Prairie Ave	1111	Hawthorne	6	1.26	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2371	BI536A	41	W 135th St	2745	Hawthorne	4	2.08	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2372	BI536A	42	Yukon Ave	787	Hawthorne	4	0.60	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2373	BI536A	43	Cordary Ave	1290	Hawthorne	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2374	BI536A	44	Doty Ave	1161	Hawthorne	4	0.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2375	BI536A	45	Kornblum Ave	1614	Hawthorne	4	1.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2376	BI536A	46	Ramona Ave	373	Hawthorne	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2377	BI536A	47	Roselle Ave	1323	Hawthorne	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2420	BI586D	1	Manhattan Beach Blvd	18	CO	6	0.02	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2421	BI586D	2	Chadron Ave	919	CO	4	0.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2422	BI586D	3	W 155th St	7	CO	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2423	BI586D	4	W 157th St	16	CO	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2470	BI74	1		204	CO	6	0.23	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2471	BI74	2	E Alondra Blvd	704	CO	6	0.80	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2472	BI74	3	S Broadway	2401	CO	6	2.73	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2473	BI74	4	S Broadway St	2401	CO	6	2.73	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2474	BI74	5	S Main St	1553	CO	6	1.77	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2475	BI74	6	S San Pedro St	329	CO	6	0.37	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2476	BI74	7	W Alondra Blvd	993	CO	6	1.13	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
2478	BI74	9		527	CO	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2479	BI74	10	Darlan St	127	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2480	BI74	11	E 157th St	752	CO	4	0.57	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2481	BI74	12	E 158th St	779	CO	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2482	BI74	13	E 159th St	572	CO	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2483	BI74	14	E Newfield St	757	CO	4	0.57	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2484	BI74	15	Lorella Ave	637	CO	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2485	BI74	16	Maple Ave	732	CO	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2486	BI74	17	S Ball Ave	530	CO	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2487	BI74	18	S Broadway	4	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2488	BI74	19	S Broadway St	1224	CO	4	0.93	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2489	BI74	20	S Lorella Ave	637	CO	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2490	BI74	21	S Maple Ave	732	CO	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2491	BI74	22	W 140th St	671	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2492	BI74	23	W 146th St	667	CO	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2493	BI74	24	W 157th St	738	CO	4	0.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2494	BI74	25	S Alley 01	2	CO	1	0.00	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
2495	BI74	26	S Broadway	62	CO	6	0.07	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2496	BI74	27	S Broadway St	62	CO	6	0.07	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2497	BI74	28	W Alondra Blvd	1045	CO	6	1.19	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2498	BI74	29		2156	CO	4	1.63	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2499	BI74	30	Broadway Center St	302	CO	4	0.23	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2500	BI74	31	New Century Dr	330	CO	4	0.25	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2501	BI74	32	S Broadway St	92	CO	4	0.07	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2502	BI74	33	W 157th St	1733	CO	4	1.31	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2503	BI74	34	W Gardena Blvd	453	Los Angeles	4	0.34	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
2504	BI74	35		1125	Los Angeles	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2505	BI74	36	171st St	218	Los Angeles	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2506	BI74	37	Ainsworth St	398	Los Angeles	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2507	BI74	38	Estrella Ave	547	Los Angeles	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2508	BI74	39	Merit Ave	1198	Los Angeles	4	0.91	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2509	BI74	40	S Hoover St	1669	Los Angeles	4	1.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2510	BI74	41	S Menlo Ave	134	Los Angeles	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2511	BI74	42	S Orchard Ave	989	Los Angeles	4	0.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2512	BI74	43	W 168th Pl	301	Los Angeles	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2513	BI74	44	W 168th St	1516	Los Angeles	4	1.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2514	BI74	45	W 169th Pl	201	Los Angeles	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2515	BI74	46	W 169th St	1555	Los Angeles	4	1.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2516	BI74	47	W 170th St	288	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2517	BI74	48	W 172nd St	679	Los Angeles	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
2518	BI74	49		406	Los Angeles	1	0.08	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
2519	BI74	50	Redondo Beach Blvd	56	Los Angeles	6	0.06	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2521	BI74	52	W Alondra Blvd	1677	Los Angeles	6	1.91	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
2523	BI74	54	W Gardena Blvd	1104	Los Angeles	4	0.84	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
2524	BI74	55		31	Los Angeles	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2525	BI74	56	157th St	70	Los Angeles	4	0.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2526	BI74	57	Ainsworth St	1598	Los Angeles	4	1.21	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2527	BI74	58	Bonsallo Ave	1823	Los Angeles	4	1.38	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2528	BI74	59	Estrella Ave	1701	Los Angeles	4	1.29	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2529	BI74	60	Orchard Ave	328	Los Angeles	4	0.25	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2530	BI74	61	S Denver Ave	2701	Los Angeles	4	2.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2531	BI74	62	S Hoover St	1943	Los Angeles	4	1.47	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2532	BI74	63	S Menlo Ave	1476	Los Angeles	4	1.12	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2533	BI74	64	S Orchard Ave	1637	Los Angeles	4	1.24	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2534	BI74	65	W 154th St	990	Los Angeles	4	0.75	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2535	BI74	66	W 155th St	1179	Los Angeles	4	0.89	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2536	BI74	67	W 156th St	925	Los Angeles	4	0.70	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2537	BI74	68	W 157th St	2074	Los Angeles	4	1.57	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2538	BI74	69	W 158th St	1193	Los Angeles	4	0.90	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2539	BI74	70	W 159th Pl	294	Los Angeles	4	0.22	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2540	BI74	71	W 159th St	981	Los Angeles	4	0.74	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2541	BI74	72	W 160th St	304	Los Angeles	4	0.23	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2542	BI74	73	W 164th St	530	Los Angeles	4	0.40	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2543	BI74	74	W 165th Pl	431	Los Angeles	4	0.33	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2544	BI74	75	W 167th St	1192	Los Angeles	4	0.90	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2545	BI74	76	W 168th St	120	Los Angeles	4	0.09	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
2546	BI74	77		2111	Los Angeles	1	0.40	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
2547	BI74	78		3718	CO	6	4.22	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2548	BI74	79	E Redondo Beach Blvd	2	CO	6	0.00	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2549	BI74	80	S Broadway	1573	CO	6	1.79	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2550	BI74	81	S Broadway St	1573	CO	6	1.79	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2551	BI74	82	S Main St	2922	CO	6	3.32	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2552	BI74	83	S San Pedro St	724	CO	6	0.82	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2555	BI74	86	E Compton Blvd	1950	CO	4	1.48	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
2556	BI74	87		1962	CO	4	1.49	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2557	BI74	88	Crown Vista Dr	87	CO	4	0.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2558	BI74	89	Darlan St	102	CO	4	0.08	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2559	BI74	90	Deblynn Ave	849	CO	4	0.64	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2560	BI74	91	E 152nd St	640	CO	4	0.48	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2561	BI74	92	E 154th St	38	CO	4	0.03	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2562	BI74	93	E 157th St	2256	CO	4	1.71	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2563	BI74	94	E 159th St	7	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2564	BI74	95	E Airline Wy	779	CO	4	0.59	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2565	BI74	96	E Darlan St	232	CO	4	0.18	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2566	BI74	97	E Newfield St	542	CO	4	0.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2567	BI74	98	Englander St	212	CO	4	0.16	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2568	BI74	99	Lennon St	628	CO	4	0.48	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2569	BI74	100	Lorella Ave	804	CO	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2570	BI74	101	Maple Ave	1800	CO	4	1.36	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2571	BI74	102	Micon Cir	160	CO	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2572	BI74	103	S Ball Ave	244	CO	4	0.19	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2573	BI74	104	S Lorella Ave	804	CO	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2574	BI74	105	S Maple Ave	1800	CO	4	1.36	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2575	BI74	106	S Spring St	962	CO	4	0.73	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2576	BI74	107	S Stulman St	782	CO	4	0.59	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2577	BI74	108	Sandel Ave	541	CO	4	0.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2578	BI74	109	Staff Ct	237	CO	4	0.18	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2579	BI74	110	Stulman Ave	184	CO	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2580	BI74	111	W 154th St	559	CO	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2581	BI74	112	W 155th St	748	CO	4	0.57	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2582	BI74	113	S Broadway	312	CO	6	0.35	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	
2583	BI74	114	S Broadway St	312	CO	6	0.35	Primary-Arterial	100	10	1	8	16	0.36	4	22	HIGH			Dominguez Channel	
2585	BI74	116		986	CO	4	0.75	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2586	BI74	117		792	Los Angeles	6	0.90	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
2589	BI74	120		77	Los Angeles	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2590	BI74	121	147th St	1314	Los Angeles	4	1.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2591	BI74	122	Ainsworth St	183	Los Angeles	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2592	BI74	123	Estrella Ave	1060	Los Angeles	4	0.80	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2593	BI74	124	S Denver Ave	1270	Los Angeles	4	0.96	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2594	BI74	125	S Hoover St	724	Los Angeles	4	0.55	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2595	BI74	126	S Menlo Ave	1063	Los Angeles	4	0.81	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2596	BI74	127	S Orchard Ave	2143	Los Angeles	4	1.62	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2597	BI74	128	W 142nd St	7	Los Angeles	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2598	BI74	129	W 144th St	858	Los Angeles	4	0.65	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2599	BI74	130	W 145th St	1174	Los Angeles	4	0.89	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2600	BI74	131	W 146th St	1936	Los Angeles	4	1.47	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2601	BI74	132	W 148th Dr	543	Los Angeles	4	0.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2602	BI74	133	W 148th Pl	979	Los Angeles	4	0.74	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2603	BI74	134	W 148th St	984	Los Angeles	4	0.75	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2604	BI74	135	W 149th St	1915	Los Angeles	4	1.45	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2605	BI74	136	W 152nd St	487	Los Angeles	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
2606	BI74	137		189	Los Angeles	1	0.04	Alley	20	4	1	8	13	0.45	6	18	MED			Dominguez Channel	
2609	BI74	140		30	Los Angeles	4	0.02	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Dominguez Channel	
2612	BI74	143	S Broadway	1732	CO	6	1.97	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
2613	BI74	144	S Broadway St	1732	CO	6	1.97	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
2614	BI74	145	S Main St	1018	CO	6	1.16	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
2616	BI74	147	E Compton Blvd	133	CO	4	0.10	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
2617	BI74	148	W Compton Blvd	2039	CO	4	1.54	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
2618	BI74	149		574	CO	4	0.43	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2619	BI74	150	Crown Vista Dr	320	CO	4	0.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2620	BI74	151	E 152nd St	1253	CO	4	0.95	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2621	BI74	152	S Ball Ave	120	CO	4	0.09	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2622	BI74	153	W 154th St	185	CO	4	0.14	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2624	BI74	155	W Compton Blvd	23	Los Angeles	4	0.02	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
2625	BI74	156	S Denver Ave	476	Los Angeles	4	0.36	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2626	BI74	157	W 148th St	319	Los Angeles	4	0.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2627	BI74	158	W 149th St	568	Los Angeles	4	0.43	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
2628	BI74	159	W 152nd St	207	Los Angeles	4	0.16	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3242	BODGR	1		1311	CO	4	0.99	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3243	BODGR	2	Marine Ave	1311	CO	4	0.99	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3244	BODGR	3		26	CO	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3245	BODGR	4	Cranbrook Ave	11	CO	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3246	BODGR	5	Gerkin Ave	13	CO	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3247	BODGR	6	Kornblum Ave	7	CO	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3248	BODGR	7	Marine Ave	103	CO	4	0.08	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3249	BODGR	8	S Doty Ave	2	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3250	BODGR	9		58	Hawthorne	6	0.07	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3251	BODGR	10	Prairie Ave	2862	Hawthorne	6	3.25	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3252	BODGR	11		264	Hawthorne	4	0.20	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3253	BODGR	12	Marine Ave	861	Hawthorne	4	0.65	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3254	BODGR	13		408	Hawthorne	4	0.31	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3255	BODGR	14	144th Pl	940	Hawthorne	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3256	BODGR	15	144th St	368	Hawthorne	4	0.28	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3257	BODGR	16	145th St	64	Hawthorne	4	0.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3258	BODGR	17	147th Pl	978	Hawthorne	4	0.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3259	BODGR	18	148th St	1038	Hawthorne	4	0.79	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3260	BODGR	19	149th St	495	Hawthorne	4	0.38	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3261	BODGR	20	Bodger Ave	2484	Hawthorne	4	1.88	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3262	BODGR	21	Cordary Ave	2000	Hawthorne	4	1.51	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3263	BODGR	22	Cranbrook Ave	1054	Hawthorne	4	0.80	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3264	BODGR	23	Doty Ave	2757	Hawthorne	4	2.09	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3265	BODGR	24	Florwood Ave	827	Hawthorne	4	0.63	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3266	BODGR	25	Fonthill Ave	2576	Hawthorne	4	1.95	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3267	BODGR	26	Gerkin Ave	556	Hawthorne	4	0.42	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3268	BODGR	27	Kornblum Ave	1632	Hawthorne	4	1.24	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3269	BODGR	28	Marine Ave	1968	Hawthorne	4	1.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3270	BODGR	29	Ruthbar Dr	782	Hawthorne	4	0.59	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3271	BODGR	30	W 144th St	2	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3272	BODGR	31	W 145th St	723	Hawthorne	4	0.55	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3273	BODGR	32	W 146th St	1462	Hawthorne	4	1.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3274	BODGR	33	W 147th St	1150	Hawthorne	4	0.87	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3275	DDI8NE	1	W 115th St	55	Hawthorne	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3276	DDI8NE	2	W 116th St	60	Hawthorne	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3277	DDI8NE	3	W 117th St	63	Hawthorne	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3278	DDI8NE	4	W 119th Ct	2	Hawthorne	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3279	DDI8NE	5	W 106th St	1	Inglewood	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3280	DDI8NE	6	W 107th St	259	Inglewood	4	0.20	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3281	DDI8NE	7	W 108th St	1285	Inglewood	4	0.97	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3282	DDI8NE	8	W 109th St	844	Inglewood	4	0.64	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3283	DDI8NE	9	W 110th St	349	Inglewood	4	0.26	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3284	DDI8NE	10	W 111th St	69	Inglewood	4	0.05	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3285	DDI8NE	11	Kornblum Ave	225	Hawthorne	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3286	DDI8NE	12	Yukon Ave	490	Hawthorne	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3288	DDI8NE	14		437	Inglewood	4	0.33	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3289	DDI8NE	15	Yukon Ave	2546	Inglewood	4	1.93	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3290	DDI8NE	16		1409	Inglewood	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3291	DDI8NE	17	Kornblum Ave	482	Inglewood	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3292	DDI8NE	18	S Doty Ave	1944	Inglewood	4	1.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3293	DDI8NE	19	W 107th St	718	Inglewood	4	0.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3294	DDI8NE	20	W 108th St	1434	Inglewood	4	1.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3295	DDI8NE	21	W 109th St	1778	Inglewood	4	1.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3296	DDI8NE	22	W 110th St	2121	Inglewood	4	1.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3297	DDI8NE	23	W 111th Pl	2637	Inglewood	4	2.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3298	DDI8NE	24	W 111th St	2465	Inglewood	4	1.87	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3299	DDI8NE	25	W 112th St	1956	Inglewood	4	1.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3300	DDI8NE	26	W 113th St	1947	Inglewood	4	1.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3301	DDI8NE	27	W 115th St	675	Inglewood	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3302	DDI8NE	28	W 116th St	1018	Inglewood	4	0.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3303	DDI8NE	29	W 117th St	1022	Inglewood	4	0.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3304	DDI8NE	30	W 118th Pl	802	Inglewood	4	0.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3305	DDI8NE	31	W 118th St	953	Inglewood	4	0.72	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3306	DDI8NE	32	W 119th Ct	467	Inglewood	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3307	DDI8NE	33	Yukon Ave	1990	Inglewood	4	1.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3308	DDI8NE	34		368	Inglewood	1	0.07	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
3309	DDI8NE	35		320	Inglewood	4	0.24	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
3310	DDI8NE	36	Yukon Ave	1399	Inglewood	4	1.06	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
3311	DDI8NE	37	S Lemoli Ave	23	Inglewood	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3312	DDI8NE	38	W 105th St	23	Inglewood	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3313	DDI8NW-1	1	State Route 42	5	Los Angeles	6	0.01	Highway	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3314	DDI8NW-1	2	W Manchester Ave	5	Los Angeles	6	0.01	Highway	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3315	DDI8NW-1	3	Aviation Blvd	239	Los Angeles	6	0.27	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3316	DDI8NW-1	4	Aviation Blvd	2667	Inglewood	6	3.03	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3317	DDI8NW-1	5	W Florence Ave	1344	Inglewood	6	1.53	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3318	DDI8NW-1	6	W Manchester Blvd	1961	Inglewood	6	2.23	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3320	DDI8NW-1	8	W Hillcrest Blvd	88	Inglewood	4	0.07	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3321	DDI8NW-1	9	S Glasgow Ave	577	Inglewood	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3322	DDI8NW-1	10	S Hindry Ave	1280	Inglewood	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3323	DDI8NW-1	11	S Isis Ave	1273	Inglewood	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3324	DDI8NW-1	12	W Olive St	606	Inglewood	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3325	DDI8NW-1	13	S La Cienega Blvd	374	Inglewood	6	0.42	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
3326	DDI8NW-1	14	Isis Ave	28	Inglewood	4	0.02	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3328	DDI8NW-1	16	W Hillcrest Blvd	1743	Inglewood	4	1.32	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3329	DDI8NW-1	17	Hindry Pl	30	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3330	DDI8NW-1	18	S Glasgow Ave	2501	Inglewood	4	1.89	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3331	DDI8NW-1	19	S Hindry Ave	2120	Inglewood	4	1.61	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3332	DDI8NW-1	20	S Isis Ave	1943	Inglewood	4	1.47	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3333	DDI8NW-1	21	W Arbor Vitae St	31	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3334	DDI8NW-1	22	W Spruce Ave	525	Inglewood	4	0.40	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3335	DDI8NW-1	23	W Manchester Blvd	3	Los Angeles	6	0.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3336	DDI8NW-1	24		126	Los Angeles	1	0.02	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
3337	DDI8NW-1	25	Isis Ave	27	Los Angeles	4	0.02	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3338	DDI8NW-1	26	Glasgow Pl	727	Los Angeles	4	0.55	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3339	DDI8NW-1	27	Hindry Pl	790	Los Angeles	4	0.60	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3340	DDI8NW-1	28	Isis Ave	508	Los Angeles	4	0.38	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3341	DDI8NW-1	29	S La Cienega Blvd	804	Los Angeles	4	0.61	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3342	DDI8NW-1	30	W 93rd St	1627	Los Angeles	4	1.23	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3343	DDI8NW-1	31	W 94th St	1103	Los Angeles	4	0.84	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3344	DDI8NW-1	32	W 95th Pl	110	Los Angeles	4	0.08	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3345	DDI8NW-1	33	W 95th St	110	Los Angeles	4	0.08	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3346	DDI8NW-1	34	W Arbor Vitae St	1338	Los Angeles	4	1.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3347	DDI8NW-1	35		2181	Los Angeles	1	0.41	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
3348	DDI8NW-2	1		295	CO	6	0.34	Highway	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3353	DDI8NW-2	6	S La Cienega Blvd	28	CO	4	0.02	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3354	DDI8NW-2	7	Dalerose Ave	196	CO	4	0.15	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3355	DDI8NW-2	8	S Buford Ave	267	CO	4	0.20	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3356	DDI8NW-2	9	S Burl Ave	25	CO	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3357	DDI8NW-2	10	W 111th St	940	CO	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3361	DDI8NW-2	14	Felton Ave	28	CO	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3362	DDI8NW-2	15	Sundale Ave	27	CO	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3363	DDI8NW-2	16		412	CO	6	0.47	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
3366	DDI8NW-2	19	Lennox Blvd	6967	CO	4	5.28	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3368	DDI8NW-2	21	Burin Ave	1241	CO	4	0.94	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3369	DDI8NW-2	22	Condon Ave	3972	CO	4	3.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3370	DDI8NW-2	23	Dalerose Ave	3969	CO	4	3.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3371	DDI8NW-2	24	Irwin Ave	281	CO	4	0.21	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3372	DDI8NW-2	25	Larch Ave	1160	CO	4	0.88	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3373	DDI8NW-2	26	S Acacia Ave	1039	CO	4	0.79	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3374	DDI8NW-2	27	S Buford Ave	3732	CO	4	2.83	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3375	DDI8NW-2	28	S Burin Ave	1483	CO	4	1.12	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3376	DDI8NW-2	29	S Burl Ave	3763	CO	4	2.85	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3377	DDI8NW-2	30	S Eastwood Ave	55	CO	4	0.04	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3378	DDI8NW-2	31	S Felton Ave	2708	CO	4	2.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3379	DDI8NW-2	32	S Firmona Ave	3688	CO	4	2.79	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3380	DDI8NW-2	33	S Freeman Ave	652	CO	4	0.49	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3381	DDI8NW-2	34	S Grevillea Ave	2755	CO	4	2.09	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3382	DDI8NW-2	35	S Irwin Ave	291	CO	4	0.22	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3383	DDI8NW-2	36	S Mansel Ave	3509	CO	4	2.66	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3384	DDI8NW-2	37	S Ocean Gate Ave	1086	CO	4	0.82	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3385	DDI8NW-2	38	S Osage Ave	321	CO	4	0.24	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3386	DDI8NW-2	39	S Redfern Ave	1663	CO	4	1.26	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3387	DDI8NW-2	40	S Truro Ave	2497	CO	4	1.89	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3388	DDI8NW-2	41	W 101st St	150	CO	4	0.11	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3389	DDI8NW-2	42	W 104th St	4185	CO	4	3.17	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3390	DDI8NW-2	43	W 106th St	1158	CO	4	0.88	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3391	DDI8NW-2	44	W 107th St	1346	CO	4	1.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3392	DDI8NW-2	45	W 109th St	1255	CO	4	0.95	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3393	DDI8NW-2	46	W 110th St	689	CO	4	0.52	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3394	DDI8NW-2	47	W 111th Pl	1648	CO	4	1.25	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3395	DDI8NW-2	48	W 111th St	3067	CO	4	2.32	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3396	DDI8NW-2	49	W 112th St	1648	CO	4	1.25	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3397	DDI8NW-2	50	Sundale Ave	9	Hawthorne	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3400	DDI8NW-2	53	Dalerose Ave	245	Hawthorne	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3401	DDI8NW-2	54	Eucalyptus Ave	90	Hawthorne	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3402	DDI8NW-2	55	Felton Ave	9	Hawthorne	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3403	DDI8NW-2	56	Gale Ave	123	Hawthorne	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3406	DDI8NW-2	59		498	Hawthorne	4	0.38	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3407	DDI8NW-2	60	Condon Ave	384	Hawthorne	4	0.29	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3408	DDI8NW-2	61	Dalerose Ave	18	Hawthorne	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3409	DDI8NW-2	62	Eucalyptus Ave	33	Hawthorne	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3410	DDI8NW-2	63	Grevillea Ave	679	Hawthorne	4	0.51	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3411	DDI8NW-2	64	Ramona Ave	367	Hawthorne	4	0.28	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3412	DDI8NW-2	65	S Burin Ave	770	Hawthorne	4	0.58	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3413	DDI8NW-2	66	S Firmona Ave	618	Hawthorne	4	0.47	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3414	DDI8NW-2	67	S Grevillea Ave	852	Hawthorne	4	0.65	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3415	DDI8NW-2	68	S Mansel Ave	701	Hawthorne	4	0.53	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3416	DDI8NW-2	69	S Truro Ave	619	Hawthorne	4	0.47	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3417	DDI8NW-2	70	W 115th St	1875	Hawthorne	4	1.42	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3418	DDI8NW-2	71	W 116th St	664	Hawthorne	4	0.50	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3419	DDI8NW-2	72	S Prairie Ave	4	Inglewood	6	0.00	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
3420	DDI8NW-2	73	W Century Blvd	364	Inglewood	6	0.41	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
3421	DDI8NW-2	74	Lennox Blvd	291	Inglewood	4	0.22	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3422	DDI8NW-2	75	S Inglewood Ave	990	Inglewood	4	0.75	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3424	DDI8NW-2	77	W Hillcrest Blvd	578	Inglewood	4	0.44	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3425	DDI8NW-2	78		32	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3426	DDI8NW-2	79	Condon Ave	431	Inglewood	4	0.33	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3427	DDI8NW-2	80	Dalerose Ave	352	Inglewood	4	0.27	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3428	DDI8NW-2	81	S Ash Ave	1747	Inglewood	4	1.32	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3429	DDI8NW-2	82	S Buford Ave	132	Inglewood	4	0.10	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3430	DDI8NW-2	83	S Burl Ave	66	Inglewood	4	0.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3431	DDI8NW-2	84	S Cedar Ave	840	Inglewood	4	0.64	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3432	DDI8NW-2	85	S Felton Ave	247	Inglewood	4	0.19	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3433	DDI8NW-2	86	S Firmona Ave	482	Inglewood	4	0.36	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3434	DDI8NW-2	87	S Grevillea Ave	1234	Inglewood	4	0.94	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3435	DDI8NW-2	88	S Holly St	844	Inglewood	4	0.64	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3436	DDI8NW-2	89	S Kenwood St	894	Inglewood	4	0.68	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3437	DDI8NW-2	90	S Laraway Ave	24	Inglewood	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3438	DDI8NW-2	91	S Mansel Ave	237	Inglewood	4	0.18	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3439	DDI8NW-2	92	S Oak St	1516	Inglewood	4	1.15	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3440	DDI8NW-2	93	S Ocean Gate Ave	231	Inglewood	4	0.17	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3441	DDI8NW-2	94	S Redfern Ave	117	Inglewood	4	0.09	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3442	DDI8NW-2	95	S Sycamore Pl	448	Inglewood	4	0.34	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3443	DDI8NW-2	96	W 102nd St	84	Inglewood	4	0.06	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3444	DDI8NW-2	97	W 107th St	19	Inglewood	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3445	DDI8NW-2	98	W 93rd St	661	Inglewood	4	0.50	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3446	DDI8NW-2	99	W 94th St	779	Inglewood	4	0.59	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3447	DDI8NW-2	100	W 95th St	1415	Inglewood	4	1.07	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3448	DDI8NW-2	101	W Buckthorn St	352	Inglewood	4	0.27	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3449	DDI8NW-2	102	W Elm Ave	663	Inglewood	4	0.50	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3450	DDI8NW-2	103	W Kelso St	441	Inglewood	4	0.33	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3451	DDI8NW-2	104	W Lime St	508	Inglewood	4	0.38	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3452	DDI8NW-2	105	W Magnolia Ave	317	Inglewood	4	0.24	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3453	DDI8NW-2	106	W Nectarine St	400	Inglewood	4	0.30	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3454	DDI8NW-2	107	W Olive St	302	Inglewood	4	0.23	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3455	DDI8NW-2	108	W Spruce Ave	704	Inglewood	4	0.53	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3456	DDI8NW-2	109		4228	Inglewood	1	0.80	Alley	20	4	0	10	16	0.36	4	18	MED			Dominguez Channel	
3457	DDI8NW-2	110	S La Cienega Blvd	18	Los Angeles	4	0.01	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3459	DDI8NW-2	112	Lennox Blvd	2	Los Angeles	4	0.00	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			Dominguez Channel	
3460	DDI8NW-2	113	W 104th St	10	Los Angeles	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3461	DDI8NW-2	114	W 111th St	20	Los Angeles	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3462	DDI8S	1	Aviation Blvd	491	CO	1	0.09	Alley	20	4	0	10	9	0.27	2	16	MED			Dominguez Channel	
3464	DDI8S	3	W El Segundo Blvd	3325	CO	6	3.78	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3465	DDI8S	4	Glasgow Pl	1505	CO	4	1.14	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3467	DDI8S	6	S La Cienega Blvd	1176	CO	4	0.89	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3469	DDI8S	8		619	CO	4	0.47	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3470	DDI8S	9	Bart Ave	145	CO	4	0.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3471	DDI8S	10	Broadway	56	CO	4	0.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3472	DDI8S	11	Costa Dr	513	CO	4	0.39	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3473	DDI8S	12	Felton Ave	1770	CO	4	1.34	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3474	DDI8S	13	Glasgow Pl	2417	CO	4	1.83	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3475	DDI8S	14	Hindry Ave	679	CO	4	0.51	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3476	DDI8S	15	Isis Ave	1369	CO	4	1.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3477	DDI8S	16	Judah Ave	239	CO	4	0.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3478	DDI8S	17	Ocean Gate Ave	11	CO	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3479	DDI8S	18	S Shoup Ave	9	CO	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3480	DDI8S	19	Stacy St	1081	CO	4	0.82	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3481	DDI8S	20	Tahoe Ave	1936	CO	4	1.47	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3482	DDI8S	21	W 121st St	2034	CO	4	1.54	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3483	DDI8S	22	W 122nd St	2380	CO	4	1.80	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3484	DDI8S	23	W 123rd Pl	2344	CO	4	1.78	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3485	DDI8S	24	W 123rd St	3097	CO	4	2.35	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3486	DDI8S	25	W 124th Pl	998	CO	4	0.76	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3487	DDI8S	26	W 124th St	2148	CO	4	1.63	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3488	DDI8S	27	W 125th St	1343	CO	4	1.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3489	DDI8S	28	W 126th St	1082	CO	4	0.82	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3490	DDI8S	29	W 127th Pl	332	CO	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3491	DDI8S	30	W 127th St	144	CO	4	0.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3494	DDI8S	33	E El Segundo Blvd	30	CO	6	0.03	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3495	DDI8S	34	W El Segundo Blvd	294	CO	6	0.33	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3496	DDI8S	35		1088	CO	4	0.82	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3497	DDI8S	36	124th St	392	CO	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3498	DDI8S	37	Glasgow Pl	312	CO	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3499	DDI8S	38	Isis Ave	1263	CO	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3500	DDI8S	39	W 123rd Pl	648	CO	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3501	DDI8S	40	W 124th Pl	30	CO	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3502	DDI8S	41	W 124th St	548	CO	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3503	DDI8S	42	W 125th St	312	CO	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3504	DDI8S	43	W 126th St	526	CO	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3505	DDI8S	44	W 127th Pl	487	CO	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3506	DDI8S	45	W 127th St	674	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3508	DDI8S	47	W 120th St	20	El Segundo	4	0.02	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3509	DDI8S	48		2	El Segundo	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3510	DDI8S	49	120th St	2	El Segundo	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3511	DDI8S	50	Simms Ave	1090	Hawthorne	4	0.83	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3512	DDI8S	51	Surfside	228	Hawthorne	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3513	DDI8S	52	Truro Ave	2945	Hawthorne	4	2.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3514	DDI8S	53	W 117th St	653	Hawthorne	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3515	DDI8S	54	W 118th Pl	1296	Hawthorne	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3516	DDI8S	55	W 118th St	2449	Hawthorne	4	1.86	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3517	DDI8S	56	W 119th Pl	22	Hawthorne	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3518	DDI8S	57	W 119th St	1317	Hawthorne	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3519	DDI8S	58	W 122nd St	407	Hawthorne	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3520	DDI8S	59	W 126th St	2739	Hawthorne	4	2.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3521	DDI8S	60	W 129th St	520	Hawthorne	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3522	DDI8S	61	W 130th St	2856	Hawthorne	4	2.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3523	DDI8S	62	W 131st St	1410	Hawthorne	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3524	DDI8S	63	W 132nd St	3631	Hawthorne	4	2.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3525	DDI8S	64	W 134th St	345	Hawthorne	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3528	DDI8S	67	W El Segundo Blvd	2322	Hawthorne	6	2.64	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3531	DDI8S	70		57	Hawthorne	4	0.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3532	DDI8S	71	123rd Pl	922	Hawthorne	4	0.70	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3533	DDI8S	72	129th St	1511	Hawthorne	4	1.14	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3534	DDI8S	73	Birch Ave	374	Hawthorne	4	0.28	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3535	DDI8S	74	Broadway	2411	Hawthorne	4	1.83	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3536	DDI8S	75	Burl Ave	1022	Hawthorne	4	0.77	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3537	DDI8S	76	Cedar Ave	747	Hawthorne	4	0.57	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3538	DDI8S	77	Felton Ave	233	Hawthorne	4	0.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3539	DDI8S	78	Freeman Ave	1267	Hawthorne	4	0.96	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3540	DDI8S	79	Gale Ave	512	Hawthorne	4	0.39	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3541	DDI8S	80	Jefferson Ave	167	Hawthorne	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3542	DDI8S	81	Menlo Ave	3006	Hawthorne	4	2.28	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3543	DDI8S	82	Oxford Ave	3152	Hawthorne	4	2.39	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3544	DDI8S	83	Sundale Ave	1022	Hawthorne	4	0.77	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3545	DDI8S	84	W 119th St	286	Hawthorne	4	0.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3546	DDI8S	85	W 121st St	1322	Hawthorne	4	1.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3547	DDI8S	86	W 122nd St	1563	Hawthorne	4	1.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3548	DDI8S	87	W 123rd St	1264	Hawthorne	4	0.96	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3549	DDI8S	88	W 126th St	1132	Hawthorne	4	0.86	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3550	DDI8S	89	W 129th St	281	Hawthorne	4	0.21	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3551	DDI8S	90	W 130th St	1947	Hawthorne	4	1.48	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3552	DDI8S	91	W 131st St	976	Hawthorne	4	0.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3553	DDI8S	92	W 132nd St	1611	Hawthorne	4	1.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3554	DDI8S	93	Washington Ave	1611	Hawthorne	4	1.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3555	DDI8S	94	York Ave	1180	Hawthorne	4	0.89	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3557	DDI8S	96	E El Segundo Blvd	6	Hawthorne	6	0.01	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3561	DDI8S	100	W El Segundo Blvd	7751	Hawthorne	6	8.81	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3564	DDI8S	103	Yukon Ave	1328	Hawthorne	4	1.01	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3565	DDI8S	104	119th Pl	1298	Hawthorne	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3566	DDI8S	105	129th St	1667	Hawthorne	4	1.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3567	DDI8S	106	Broadway	2806	Hawthorne	4	2.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3568	DDI8S	107	Cerise Ave	2438	Hawthorne	4	1.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3569	DDI8S	108	Chadron Ave	2168	Hawthorne	4	1.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3570	DDI8S	109	Cordary Ave	1635	Hawthorne	4	1.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3571	DDI8S	110	Cranbrook Ave	1030	Hawthorne	4	0.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3572	DDI8S	111	Doty Ave	2955	Hawthorne	4	2.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3573	DDI8S	112	Eucalyptus Ave	3324	Hawthorne	4	2.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3574	DDI8S	113	Florwood Ave	1315	Hawthorne	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3575	DDI8S	114	Fonthill Ave	1011	Hawthorne	4	0.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3576	DDI8S	115	Gale Ave	675	Hawthorne	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3577	DDI8S	116	Grevillea Ave	3038	Hawthorne	4	2.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3578	DDI8S	117	Hawthorne Wy	1245	Hawthorne	4	0.94	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3579	DDI8S	118	Jefferson Ave	1440	Hawthorne	4	1.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3580	DDI8S	119	Kornblum Ave	2351	Hawthorne	4	1.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3581	DDI8S	120	Manor Dr	2894	Hawthorne	4	2.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3582	DDI8S	121	Menlo Ave	763	Hawthorne	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3583	DDI8S	122	Michu Ln	332	Hawthorne	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3584	DDI8S	123	Northrop Ave	5272	Hawthorne	4	3.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3585	DDI8S	124	Ocean	107	Hawthorne	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3586	DDI8S	125	Oxford Ave	1282	Hawthorne	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3587	DDI8S	126	Pacific Trl	242	Hawthorne	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3588	DDI8S	127	Ramona Ave	4466	Hawthorne	4	3.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3589	DDI8S	128	Roselle Ave	1316	Hawthorne	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3590	DDI8S	129	Weber Wy	840	Hawthorne	4	0.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3591	DDI8S	130	York Ave	3248	Hawthorne	4	2.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3592	DDI8S	131	Yukon Ave	1032	Hawthorne	4	0.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3594	DDI8S	133	W El Segundo Blvd	996	Hawthorne	6	1.13	Primary-Arterial	100	10	0	10	16	0.36	4	24	HIGH			Dominguez Channel	
3596	DDI8S	135	129th St	857	Hawthorne	4	0.65	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3597	DDI8S	136	Acacia Ave	1827	Hawthorne	4	1.38	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3598	DDI8S	137	Birch Ave	4142	Hawthorne	4	3.14	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3599	DDI8S	138	Broadway	683	Hawthorne	4	0.52	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3600	DDI8S	139	Cedar Ave	3229	Hawthorne	4	2.45	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3601	DDI8S	140	Freeman Ave	2971	Hawthorne	4	2.25	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3602	DDI8S	141	Grevillea Ave	222	Hawthorne	4	0.17	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3603	DDI8S	142	Hawthorne Wy	78	Hawthorne	4	0.06	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3604	DDI8S	143	Menlo Ave	730	Hawthorne	4	0.55	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3605	DDI8S	144	W 118th St	1544	Hawthorne	4	1.17	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3606	DDI8S	145	W 119th St	1680	Hawthorne	4	1.27	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3607	DDI8S	146	W 122nd St	891	Hawthorne	4	0.68	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3608	DDI8S	147	W 126th St	347	Hawthorne	4	0.26	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3609	DDI8S	148	W 130th St	526	Hawthorne	4	0.40	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3641	HLYPK	1		458	CO	6	0.52	Highway	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3642	HLYPK	2		466	CO	6	0.53	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3643	HLYPK	3	Imperial Hwy	16	CO	6	0.02	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3644	HLYPK	4	S Vermont Ave	676	CO	6	0.77	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3645	HLYPK	5	W Imperial Hwy	549	CO	6	0.62	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3646	HLYPK	6		5690	CO	4	4.31	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3647	HLYPK	7	115th Pl	835	CO	4	0.63	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3648	HLYPK	8	Budlong Ave	1139	CO	4	0.86	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3649	HLYPK	9	Denker Ave	325	CO	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3650	HLYPK	10	Raymond Ave	639	CO	4	0.48	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3651	HLYPK	11	S Berendo Ave	555	CO	4	0.42	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3652	HLYPK	12	S Budlong Ave	1139	CO	4	0.86	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3653	HLYPK	13	S Denker Ave	325	CO	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3654	HLYPK	14	S Mariposa Ave	544	CO	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3655	HLYPK	15	S New Hampshire Ave	356	CO	4	0.27	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3656	HLYPK	16	S Raymond Ave	144	CO	4	0.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3657	HLYPK	17	W 110th Pl	536	CO	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3658	HLYPK	18	W 111th Pl	533	CO	4	0.40	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3659	HLYPK	19	W 111th St	1226	CO	4	0.93	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3660	HLYPK	20	W 112th St	486	CO	4	0.37	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3661	HLYPK	21	W 119th St	186	CO	4	0.14	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3662	HLYPK	22		1254	CO	6	1.42	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3663	HLYPK	23	S Vermont Ave	1399	CO	6	1.59	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3664	HLYPK	24	W Imperial Hwy	1268	CO	6	1.44	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3665	HLYPK	25	S Normandie Ave	1218	CO	4	0.92	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3666	HLYPK	26		6803	CO	4	5.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3667	HLYPK	27	Berendo Ave	483	CO	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3668	HLYPK	28	Budlong Ave	1469	CO	4	1.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3669	HLYPK	29	Geddes St	848	CO	4	0.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3670	HLYPK	30	Laurel Ave	407	CO	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3671	HLYPK	31	S Berendo Ave	492	CO	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3672	HLYPK	32	S Budlong Ave	1469	CO	4	1.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3673	HLYPK	33	S Mariposa Ave	218	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3674	HLYPK	34	S New Hampshire Ave	977	CO	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3675	HLYPK	35	S Raymond Ave	509	CO	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3676	HLYPK	36	Van Buren Ave	1946	CO	4	1.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3677	HLYPK	37	W 112th St	592	CO	4	0.45	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3678	HLYPK	38	W 116th Pl	90	CO	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3679	HLYPK	39	W 117th St	1193	CO	4	0.90	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3680	HLYPK	40	W 118th St	562	CO	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3681	HLYPK	41	W 119th St	805	CO	4	0.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3682	HLYPK	42	S Vermont Ave	1260	Los Angeles	6	1.43	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3683	HLYPK	43	S Vermont Ave	718	Los Angeles	6	0.82	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3684	HLYPK	44	W 120th St	374	Los Angeles	4	0.28	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3685	HLYPK	45	Ainsworth St	513	Los Angeles	4	0.39	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3686	HLYPK	46	Menlo Ave	395	Los Angeles	4	0.30	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3687	HLYPK	47	S Ainsworth St	513	Los Angeles	4	0.39	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3688	HLYPK	48	W 119th St	25	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3689	HLYPK	49	W 116th Pl	48	Los Angeles	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3690	HLYPK	50	W 117th St	6	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3691	HLYPK	51	Imperial Hwy	1601	CO	6	1.82	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
3692	HLYPK	52	S Vermont Ave	2087	CO	6	2.37	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
3693	HLYPK	53	W Imperial Hwy	1582	CO	6	1.80	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
3694	HLYPK	54		26	CO	4	0.02	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			Dominguez Channel	
3695	HLYPK	55	S Normandie Ave	1675	CO	4	1.27	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			Dominguez Channel	
3696	HLYPK	56	W 120th St	290	CO	4	0.22	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			Dominguez Channel	
3697	HLYPK	57		4120	CO	4	3.12	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3698	HLYPK	58	Denker Ave	764	CO	4	0.58	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3699	HLYPK	59	La Salle Ave	302	CO	4	0.23	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3700	HLYPK	60	S Denker Ave	764	CO	4	0.58	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3701	HLYPK	61	S Harvard Blvd	301	CO	4	0.23	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3702	HLYPK	62	S Mariposa Ave	579	CO	4	0.44	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3703	HLYPK	63	W 110th Pl	798	CO	4	0.60	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3704	HLYPK	64	W 111th Pl	797	CO	4	0.60	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3705	HLYPK	65	W 111th St	1489	CO	4	1.13	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3706	HLYPK	66	W 112th St	1700	CO	4	1.29	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3707	HLYPK	67	W 113th St	1492	CO	4	1.13	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3708	HLYPK	68	W 119th Pl	177	CO	4	0.13	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3709	HLYPK	69	W 121st St	324	CO	4	0.25	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3710	HLYPK	70	W 122nd St	488	CO	4	0.37	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3711	HLYPK	71	W 123rd St	642	CO	4	0.49	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3712	HLYPK	72	W 124th St	654	CO	4	0.50	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3713	HLYPK	73	W 125th St	374	CO	4	0.28	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3714	HLYPK	74	S Vermont Ave	374	CO	6	0.42	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
3715	HLYPK	75	W Imperial Hwy	1	CO	6	0.00	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
3716	HLYPK	76	S Normandie Ave	1475	CO	4	1.12	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
3717	HLYPK	77	W 120th St	3261	CO	4	2.47	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
3718	HLYPK	78		4850	CO	4	3.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3719	HLYPK	79	Berendo Ave	1102	CO	4	0.84	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3720	HLYPK	80	Bruin St	284	CO	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3721	HLYPK	81	Budlong Ave	1159	CO	4	0.88	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3722	HLYPK	82	Geddes St	277	CO	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3723	HLYPK	83	Halldale Ave	86	CO	4	0.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3724	HLYPK	84	Poindexter St	821	CO	4	0.62	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3725	HLYPK	85	Raymond Ave	1325	CO	4	1.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3726	HLYPK	86	S Budlong Ave	1159	CO	4	0.88	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3727	HLYPK	87	S Hobart Blvd	297	CO	4	0.23	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3728	HLYPK	88	Van Buren Ave	239	CO	4	0.18	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3729	HLYPK	89	W 111th St	162	CO	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3730	HLYPK	90	W 118th St	233	CO	4	0.18	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3731	HLYPK	91	W 119th Pl	452	CO	4	0.34	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3732	HLYPK	92	W 119th St	1240	CO	4	0.94	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3733	HLYPK	93	W 121st St	2040	CO	4	1.55	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3734	HLYPK	94	W 122nd St	756	CO	4	0.57	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3735	HLYPK	95	W 123rd St	196	CO	4	0.15	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3736	HLYPK	96	W Bruin St	284	CO	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3737	HLYPK	97	S Vermont Ave	2035	Los Angeles	6	2.31	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
3738	HLYPK	98	W 120th St	540	Los Angeles	4	0.41	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			Dominguez Channel	
3739	HLYPK	99	Ainsworth St	1332	Los Angeles	4	1.01	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3740	HLYPK	100	Athens Blvd	1346	Los Angeles	4	1.02	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3741	HLYPK	101	Menlo Ave	916	Los Angeles	4	0.69	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3742	HLYPK	102	S Ainsworth St	1375	Los Angeles	4	1.04	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3743	HLYPK	103	W 123rd St	1128	Los Angeles	4	0.85	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3744	HLYPK	104	W 124th St	792	Los Angeles	4	0.60	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3745	HLYPK	105	W Athens Blvd	2624	Los Angeles	4	1.99	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3746	HLYPK	106	S Vermont Ave	510	Los Angeles	6	0.58	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
3747	HLYPK	107		48	Los Angeles	4	0.04	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
3748	HLYPK	108	S Hoover St	1519	Los Angeles	4	1.15	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
3749	HLYPK	109		31	Los Angeles	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3750	HLYPK	110	Ainsworth St	866	Los Angeles	4	0.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3751	HLYPK	111	Arbor Pl	794	Los Angeles	4	0.60	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3752	HLYPK	112	Athens Blvd	691	Los Angeles	4	0.52	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3753	HLYPK	113	Laconia Blvd	1917	Los Angeles	4	1.45	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3754	HLYPK	114	Laconia Pl	360	Los Angeles	4	0.27	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3755	HLYPK	115	Menlo Ave	403	Los Angeles	4	0.31	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3756	HLYPK	116	S 127th St	260	Los Angeles	4	0.20	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3757	HLYPK	117	S Ainsworth St	866	Los Angeles	4	0.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3758	HLYPK	118	W 121st St	778	Los Angeles	4	0.59	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3759	HLYPK	119	W 123rd St	276	Los Angeles	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3760	HLYPK	120	W 124th St	354	Los Angeles	4	0.27	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3761	HLYPK	121	W 125th St	802	Los Angeles	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3762	HLYPK	122	W 126th St	1491	Los Angeles	4	1.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3763	HLYPK	123	W Athens Blvd	1401	Los Angeles	4	1.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3764	HLYPK	124	W Laconia Blvd	550	Los Angeles	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
3765	HLYPK	125	Imperial Hwy	532	CO	6	0.60	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			Dominguez Channel	
3766	HLYPK	126	W Imperial Hwy	544	CO	6	0.62	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			Dominguez Channel	
3767	HLYPK	127		583	CO	4	0.44	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3768	HLYPK	128	La Salle Ave	419	CO	4	0.32	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3769	HLYPK	129	S Harvard Blvd	418	CO	4	0.32	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3770	HLYPK	130	W 113th St	415	CO	4	0.31	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3771	HLYPK	131	W 124th St	40	CO	4	0.03	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3772	HLYPK	132	W 125th St	219	CO	4	0.17	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3773	HLYPK	133	W 126th St	25	CO	4	0.02	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			Dominguez Channel	
3774	HLYPK	134		1178	CO	6	1.34	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3775	HLYPK	135	Imperial Hwy	651	CO	6	0.74	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3776	HLYPK	136	S Vermont Ave	385	CO	6	0.44	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3777	HLYPK	137	S Western Ave	3280	CO	6	3.73	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3778	HLYPK	138	W El Segundo Blvd	2112	CO	6	2.40	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3779	HLYPK	139	W Imperial Hwy	594	CO	6	0.68	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3780	HLYPK	140	S Normandie Ave	2487	CO	4	1.88	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
3781	HLYPK	141	W 120th St	1757	CO	4	1.33	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
3782	HLYPK	142		5067	CO	4	3.84	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3783	HLYPK	143	Berendo Ave	1539	CO	4	1.17	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3784	HLYPK	144	Bruin St	628	CO	4	0.48	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3785	HLYPK	145	Budlong Ave	2113	CO	4	1.60	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3786	HLYPK	146	Denker Ave	1291	CO	4	0.98	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3787	HLYPK	147	Halldale Ave	2671	CO	4	2.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3788	HLYPK	148	Loganside Dr	398	CO	4	0.30	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3789	HLYPK	149	Raymond Ave	2323	CO	4	1.76	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3790	HLYPK	150	Ruthelen St	668	CO	4	0.51	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3791	HLYPK	151	S Budlong Ave	1763	CO	4	1.34	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3792	HLYPK	152	S Denker Ave	1291	CO	4	0.98	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3793	HLYPK	153	S Harvard Blvd	961	CO	4	0.73	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3794	HLYPK	154	S Hobart Blvd	715	CO	4	0.54	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3795	HLYPK	155	S Manhattan Pl	170	CO	4	0.13	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3796	HLYPK	156	S Saint Andrews Pl	661	CO	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3797	HLYPK	157	S Trojan Ave	366	CO	4	0.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3798	HLYPK	158	S Wilton Pl	655	CO	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3799	HLYPK	159	Trojan Ave	366	CO	4	0.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3800	HLYPK	160	W 113th St	193	CO	4	0.15	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3801	HLYPK	161	W 117th St	992	CO	4	0.75	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3802	HLYPK	162	W 120th St	629	CO	4	0.48	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3803	HLYPK	163	W 121st St	2874	CO	4	2.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3804	HLYPK	164	W 122nd St	3628	CO	4	2.75	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3805	HLYPK	165	W 123rd St	3088	CO	4	2.34	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3806	HLYPK	166	W 124th St	3101	CO	4	2.35	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3807	HLYPK	167	W 125th St	2981	CO	4	2.26	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3808	HLYPK	168	W 126th St	3045	CO	4	2.31	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3809	HLYPK	169	W 127th St	2955	CO	4	2.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3810	HLYPK	170	W Bruin St	628	CO	4	0.48	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3811	HLYPK	171	Wilton Pl	4	CO	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3812	HLYPK	172	W El Segundo Blvd	245	Hawthorne	6	0.28	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3813	HLYPK	173		363	Hawthorne	4	0.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3814	HLYPK	174	Cimarron Ave	5	Hawthorne	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3815	HLYPK	175	Cypress Knoll Ln	411	Hawthorne	4	0.31	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3816	HLYPK	176	Pinehurst Ln	19	Hawthorne	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3817	HLYPK	177	S Wilton Pl	8	Hawthorne	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3818	HLYPK	178	Saint Andrews Wy	76	Hawthorne	4	0.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3819	HLYPK	179	W 120th St	21	Hawthorne	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3820	HLYPK	180		22	Los Angeles	6	0.02	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3821	HLYPK	181	S Vermont Ave	286	Los Angeles	6	0.32	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3822	HLYPK	182	W El Segundo Blvd	91	Los Angeles	6	0.10	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
3823	HLYPK	183	S Hoover St	518	Los Angeles	4	0.39	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel	
3824	HLYPK	184	Arbor Pl	412	Los Angeles	4	0.31	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3825	HLYPK	185	Athens Blvd	11	Los Angeles	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3826	HLYPK	186	Laconia Blvd	127	Los Angeles	4	0.10	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3827	HLYPK	187	Menlo Ave	82	Los Angeles	4	0.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3828	HLYPK	188	W 124th St	656	Los Angeles	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3829	HLYPK	189	W 126th St	47	Los Angeles	4	0.04	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3830	HLYPK	190	W Athens Blvd	11	Los Angeles	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
3831	HLYPK	191		754	CO	6	0.86	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
3832	HLYPK	192	Imperial Hwy	29	CO	6	0.03	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
3833	HLYPK	193	S Western Ave	4055	CO	6	4.61	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
3834	HLYPK	194	W El Segundo Blvd	2643	CO	6	3.00	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
3835	HLYPK	195	W Imperial Hwy	79	CO	6	0.09	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel	
3836	HLYPK	196		1819	CO	4	1.38	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3837	HLYPK	197	Denker Ave	1465	CO	4	1.11	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3838	HLYPK	198	S Denker Ave	1465	CO	4	1.11	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3839	HLYPK	199	S Harvard Blvd	1375	CO	4	1.04	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3840	HLYPK	200	S Western Ave	1378	CO	4	1.04	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3841	HLYPK	201	W 120th St	243	CO	4	0.18	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3842	HLYPK	202	W 122nd St	349	CO	4	0.26	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3843	HLYPK	203	W 124th St	1504	CO	4	1.14	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3844	HLYPK	204	W 125th St	1649	CO	4	1.25	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3845	HLYPK	205	W 126th St	1708	CO	4	1.29	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
3846	HLYPK	206	W 127th St	1762	CO	4	1.33	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel	
4300	LGADM_7	2	159th St	4	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4301	LGADM_7	3	160th St	1	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4302	LGADM_7	4	161st St	1	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4303	LGADM_7	5	162nd St	2	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4304	LGADM_7	6	163rd St	2	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4305	LGADM_7	7	164th St	1	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4306	LGADM_7	8	165th St	2	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4307	LGADM_7	9	166th St	2	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4308	LGADM_7	10		15	CO	1	0.00	Alley	20	4	0	10	9	0.27	2	16	MED			Dominguez Channel	
4309	LGADM_7	11	Prairie Ave	636	CO	6	0.72	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
4310	LGADM_7	12	167th St	2	CO	4	0.00	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
4311	LGADM_7	13	168th St	2	CO	4	0.00	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
3856	LGADM-1	2	W Imperial Hwy	24	CO	6	0.03	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
3857	LGADM-1	3	S La Cienega Blvd	2004	CO	4	1.52	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3859	LGADM-1	5		96	CO	4	0.07	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3860	LGADM-1	6	118th St	35	CO	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3861	LGADM-1	7	Hindry Ave	47	CO	4	0.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3864	LGADM-1	10	Pacific Concourse Dr	922	CO	4	0.70	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3865	LGADM-1	11	Tahoe Ave	61	CO	4	0.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3869	LGADM-1	15	W 119th Pl	2454	CO	4	1.86	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3874	LGADM-1	20	N Douglas St	1386	El Segundo	4	1.05	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3875	LGADM-1	21	N Nash St	756	El Segundo	4	0.57	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3876	LGADM-1	22		217	El Segundo	4	0.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3877	LGADM-1	23	118th St	217	El Segundo	4	0.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3878	LGADM-1	24	Atwood Wy	1235	El Segundo	4	0.94	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3879	LGADM-1	25	E Maple Ave	64	El Segundo	4	0.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3880	LGADM-1	26	Hornet Wy	2630	El Segundo	4	1.99	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3881	LGADM-1	27	Parkview Dr N	543	El Segundo	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3882	LGADM-1	28	W 119th Pl	20	El Segundo	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3883	LGADM-1	29	N Sepulveda Blvd	1076	El Segundo	6	1.22	Highway	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel	
3884	LGADM-1	30	E Sycamore Ave	18	El Segundo	4	0.01	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
3885	LGADM-1	31	Sundale Ave	1279	Hawthorne	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3886	LGADM-1	32	Truro Ave	692	Hawthorne	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3887	LGADM-1	33	W 115th St	1077	Hawthorne	4	0.82	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3888	LGADM-1	34	W 116th St	1415	Hawthorne	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3889	LGADM-1	35	W 117th St	1312	Hawthorne	4	0.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3890	LGADM-1	36	W 118th Pl	981	Hawthorne	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3891	LGADM-1	37	W 118th St	2372	Hawthorne	4	1.80	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3892	LGADM-1	38	W 119th Pl	351	Hawthorne	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3893	LGADM-1	39	W 119th St	624	Hawthorne	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3894	LGADM-1	40	Airport Blvd	42	Los Angeles	6	0.05	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
3898	LGADM-1	44	E Walnut Ave	245	El Segundo	4	0.19	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel	
3901	LGADM-1	47	N Nash St	638	El Segundo	4	0.48	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
3902	LGADM-1	48	Atwood Wy	125	El Segundo	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3903	LGADM-1	49	E Maple Ave	160	El Segundo	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3904	LGADM-1	50	N Sepulveda Blvd	244	El Segundo	6	0.28	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3905	LGADM-1	51	E Walnut Ave	401	El Segundo	4	0.30	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
3906	LGADM-1	52	Selby St	666	El Segundo	4	0.50	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3908	LGADM-1	54		49	Hawthorne	4	0.04	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3909	LGADM-1	55	Felton Ave	1390	Hawthorne	4	1.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3910	LGADM-1	56	Tahoe Ave	979	Hawthorne	4	0.74	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3911	LGADM-1	57	W 117th St	44	Hawthorne	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3912	LGADM-1	58	W 118th Pl	723	Hawthorne	4	0.55	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3913	LGADM-1	59	W 118th St	355	Hawthorne	4	0.27	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3914	LGADM-1	60	W 119th Pl	1429	Hawthorne	4	1.08	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3915	LGADM-1	61	W 119th St	1115	Hawthorne	4	0.84	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3918	LGADM-1	64		987	Hawthorne	4	0.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3919	LGADM-1	65	Eucalyptus Ave	1377	Hawthorne	4	1.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3920	LGADM-1	66	Felton Ave	1263	Hawthorne	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3921	LGADM-1	67	Gale Ave	1846	Hawthorne	4	1.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3922	LGADM-1	68	Manor Dr	278	Hawthorne	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3923	LGADM-1	69	Ramona Ave	323	Hawthorne	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3925	LGADM-1	71	Clyde Walker Wy	205	Hawthorne	4	0.16	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3926	LGADM-1	72	Eucalyptus Ave	465	Hawthorne	4	0.35	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3927	LGADM-1	73	Grevillea Ave	1347	Hawthorne	4	1.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3928	LGADM-1	74	Manor Dr	445	Hawthorne	4	0.34	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3929	LGADM-1	75	Ramona Ave	1101	Hawthorne	4	0.83	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3930	LGADM-1	76	S Truro Ave	531	Hawthorne	4	0.40	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3931	LGADM-1	77	Truro Ave	615	Hawthorne	4	0.47	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3932	LGADM-1	78	W 116th St	1205	Hawthorne	4	0.91	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3933	LGADM-1	79	W 117th St	655	Hawthorne	4	0.50	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3934	LGADM-1	80	W 118th St	1591	Hawthorne	4	1.21	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3935	LGADM-1	81	W 119th St	9	Hawthorne	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
3943	LGADM-1	89	S La Cienega Blvd	650	Los Angeles	4	0.49	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
3944	LGADM-1	90		8442	Los Angeles	4	6.40	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3945	LGADM-1	91	Airport Rd	422	Los Angeles	4	0.32	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3946	LGADM-1	92	Hindry Ave	118	Los Angeles	4	0.09	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3947	LGADM-1	93	Hornet Wy	8	Los Angeles	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3948	LGADM-1	94	Isis Ave	31	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3949	LGADM-1	95	Judah Ave	32	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3950	LGADM-1	96	N Nash St	149	Los Angeles	4	0.11	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3951	LGADM-1	97	Vicksburg Ave	16	Los Angeles	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3952	LGADM-1	98	W 111th St	38	Los Angeles	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3953	LGADM-1	99	W 116th St	877	Los Angeles	4	0.66	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
3956	LGADM-1	102	Airport Rd	586	Los Angeles	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3957	LGADM-1	103	Avion Dr	1193	Los Angeles	4	0.90	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3958	LGADM-1	104	Bellanca Ave	44	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3959	LGADM-1	105	International Rd	50	Los Angeles	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3960	LGADM-1	106	Postal Rd	50	Los Angeles	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3961	LGADM-1	107	S Bellanca Ave	50	Los Angeles	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3962	LGADM-1	108	W 102nd St	533	Los Angeles	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3963	LGADM-1	109	W 104th St	2178	Los Angeles	4	1.65	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
3964	LGADM-1	110	N Sepulveda Blvd	42	Los Angeles	6	0.05	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3965	LGADM-1	111	S Sepulveda Blvd	225	Los Angeles	6	0.26	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3966	LGADM-1	112	State Route 1	225	Los Angeles	6	0.26	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3967	LGADM-1	113		7	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3969	LGADM-1	115	W Imperial Hwy	7	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel	
3971	LGADM-1	117	Selby St	5	Los Angeles	4	0.00	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel	
4111	LGADM-2	1	11th Pl	326	CO	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4112	LGADM-2	2	S Eastwood Ave	692	CO	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4113	LGADM-2	3	S Freeman Ave	107	CO	4	0.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4114	LGADM-2	4	S Osage Ave	887	CO	4	0.67	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4115	LGADM-2	5	W 111th St	792	CO	4	0.60	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4116	LGADM-2	6	S Eastwood Ave	1067	CO	4	0.81	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4117	LGADM-2	7	S Freeman Ave	1444	CO	4	1.09	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4118	LGADM-2	8	S Osage Ave	615	CO	4	0.47	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4119	LGADM-2	9	W 111th St	779	CO	4	0.59	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4120	LGADM-2	10	W 115th St	883	Hawthorne	4	0.67	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4121	LGADM-2	11	W 116th St	1874	Hawthorne	4	1.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4122	LGADM-2	12		26	Hawthorne	6	0.03	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
4125	LGADM-2	15		428	Hawthorne	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4126	LGADM-2	16	11th Pl	331	Hawthorne	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4127	LGADM-2	17	Freeman Ave	655	Hawthorne	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4128	LGADM-2	18	Menlo Ave	785	Hawthorne	4	0.60	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4129	LGADM-2	19	Oxford Ave	850	Hawthorne	4	0.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4130	LGADM-2	20	S Freeman Ave	196	Hawthorne	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4131	LGADM-2	21	York Ave	460	Hawthorne	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4133	LGADM-2	23	Acacia Ave	818	Hawthorne	4	0.62	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4134	LGADM-2	24	Birch Ave	770	Hawthorne	4	0.58	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4135	LGADM-2	25	Cedar Ave	1309	Hawthorne	4	0.99	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4136	LGADM-2	26	Freeman Ave	392	Hawthorne	4	0.30	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4137	LGADM-2	27	Larch Ave	378	Hawthorne	4	0.29	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4138	LGADM-2	28	S Acacia Ave	510	Hawthorne	4	0.39	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4139	LGADM-2	29	W 116th St	1317	Hawthorne	4	1.00	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4140	LGADM-2	30	W 118th St	31	Hawthorne	4	0.02	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4141	LGADM-2	31		1	Inglewood	6	0.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
4144	LGADM-2	34	W Imperial Hwy	61	Inglewood	6	0.07	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
4145	LGADM-2	35	W 111th Pl	2	Inglewood	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4146	LGADM-2	36	W 111th St	301	Inglewood	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4147	LGADM-2	37	W 112th St	1	Inglewood	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4148	LGADM-2	38	W 113th St	834	Inglewood	4	0.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4149	LGADM-2	39	S Osage Ave	263	Inglewood	4	0.20	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			Dominguez Channel	
4150	LGADM-3	1	S Kornblum Ave	176	Hawthorne	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4151	LGADM-3	2	W 117th St	565	Hawthorne	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4152	LGADM-3	3	W 118th Pl	23	Hawthorne	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4153	LGADM-3	4	W 118th St	820	Hawthorne	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4154	LGADM-3	5	W 119th St	699	Hawthorne	4	0.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4155	LGADM-3	6	W 118th Pl	98	Inglewood	4	0.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4158	LGADM-3	9	119th Pl	678	Hawthorne	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4159	LGADM-3	10	Almertens Pl	450	Hawthorne	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4160	LGADM-3	11	Doty Ave	1373	Hawthorne	4	1.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4161	LGADM-3	12	Kornblum Ave	330	Hawthorne	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4162	LGADM-3	13	Yukon Ave	9	Hawthorne	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4163	LGADM-3	14		945	Inglewood	4	0.72	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4164	LGADM-3	15	Christopher Ave	668	Inglewood	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4165	LGADM-3	16	S Dehn Ave	1164	Inglewood	4	0.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4166	LGADM-3	17	S Lemoli Ave	1418	Inglewood	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4167	LGADM-3	18	S Simms Ave	23	Inglewood	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4168	LGADM-3	19	W 115th St	839	Inglewood	4	0.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4169	LGADM-3	20	W 116th St	924	Inglewood	4	0.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4170	LGADM-3	21	W 117th Pl	768	Inglewood	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4171	LGADM-3	22	W 117th St	782	Inglewood	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4172	LGADM-3	23	W 118th Pl	1241	Inglewood	4	0.94	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4173	LGADM-3	24	W 118th St	767	Inglewood	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4174	LGADM-3	25		867	Inglewood	1	0.16	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
4177	LGADM-3	28		1984	Hawthorne	4	1.50	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4178	LGADM-3	29		32	Inglewood	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4179	LGADM-3	30	Christopher Ave	484	Inglewood	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4180	LGADM-3	31	S Lemoli Ave	32	Inglewood	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4181	LGADM-4	1	W El Segundo Blvd	20	Hawthorne	6	0.02	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
4182	LGADM-4	2	W El Segundo Blvd	2440	Hawthorne	6	2.77	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
4183	LGADM-4	3		13	Hawthorne	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4184	LGADM-4	4	Daphne Ave	680	Hawthorne	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4185	LGADM-4	5	Purche Ave	5	Hawthorne	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4186	LGADM-4	6	Wilkie Ave	1103	Hawthorne	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4188	LGADM-4	8	W 126th St	20	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4189	LGADM-4	9	W El Segundo Blvd	808	Hawthorne	6	0.92	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel	
4191	LGADM-4	11	Van Ness Ave	2	Hawthorne	4	0.00	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel	
4192	LGADM-4	12	Cypress Knoll Ln	605	Hawthorne	4	0.46	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4193	LGADM-4	13	Daphne Ave	13	Hawthorne	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4194	LGADM-4	14	Glen Eagles Dr	195	Hawthorne	4	0.15	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4195	LGADM-4	15	Oakmont Ln	146	Hawthorne	4	0.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4196	LGADM-4	16	Pine Valley Dr	140	Hawthorne	4	0.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4197	LGADM-4	17	Pinehurst Ln	319	Hawthorne	4	0.24	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4198	LGADM-4	18	Saint Andrews	129	Hawthorne	4	0.10	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4199	LGADM-4	19	Saint Andrews Wy	455	Hawthorne	4	0.34	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4200	LGADM-4	20	W 126th St	565	Hawthorne	4	0.43	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel	
4201	LGADM-4	21		500	CO	4	0.38	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
4202	LGADM-4	22	W El Segundo Blvd	12	Hawthorne	6	0.01	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel	
4203	LGADM-4	23	Cypress Knoll Ln	365	Hawthorne	4	0.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
4204	LGADM-4	24	Pinehurst Ln	188	Hawthorne	4	0.14	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
4205	LGADM-4	25	Saint Andrews Wy	66	Hawthorne	4	0.05	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel	
4207	LGADM-5	2	W 135th St	1108	CO	4	0.84	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4208	LGADM-5	3	Chadron Ave	384	CO	4	0.29	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4209	LGADM-5	4	Eriel Ave	932	CO	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4210	LGADM-5	5	W 132nd St	615	CO	4	0.47	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4211	LGADM-5	6	W 133rd St	824	CO	4	0.62	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4212	LGADM-5	7	W 134th Pl	931	CO	4	0.71	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4213	LGADM-5	8	W 134th St	897	CO	4	0.68	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4214	LGADM-5	9	W 145th St	296	CO	4	0.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4215	LGADM-5	10	W 147th St	128	CO	4	0.10	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4217	LGADM-5	12	Marine Ave	346	CO	4	0.26	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
4218	LGADM-5	13	W 135th St	907	CO	4	0.69	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
4219	LGADM-5	14	Yukon Ave	568	CO	4	0.43	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
4220	LGADM-5	15	Cerise Ave	579	CO	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4221	LGADM-5	16	Chadron Ave	2	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4222	LGADM-5	17	Eriel Ave	210	CO	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4223	LGADM-5	18	Lemoli Ave	1307	CO	4	0.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4224	LGADM-5	19	W 132nd Pl	2	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4225	LGADM-5	20	W 132nd St	2011	CO	4	1.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4226	LGADM-5	21	W 133rd St	1737	CO	4	1.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4227	LGADM-5	22	W 134th Pl	1117	CO	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4228	LGADM-5	23	W 134th St	1661	CO	4	1.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4229	LGADM-5	24	W 132nd Pl	634	Hawthorne	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4230	LGADM-5	25	W 132nd St	1	Hawthorne	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4231	LGADM-5	26	W 133rd St	635	Hawthorne	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4234	LGADM-5	29		15	Hawthorne	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4235	LGADM-5	30	139th St	589	Hawthorne	4	0.45	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4236	LGADM-5	31	Cerise Ave	1484	Hawthorne	4	1.12	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4237	LGADM-5	32	Chadron Ave	3337	Hawthorne	4	2.53	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4238	LGADM-5	33	Galli St	443	Hawthorne	4	0.34	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4239	LGADM-5	34	Lemoli Ave	3740	Hawthorne	4	2.83	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4240	LGADM-5	35	Lemoli Wy	15	Hawthorne	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4241	LGADM-5	36	Slayton St	44	Hawthorne	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4242	LGADM-5	37	W 139th St	1358	Hawthorne	4	1.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4243	LGADM-5	38	Yukon Ave	471	Hawthorne	4	0.36	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
4244	LGADM-5	39	Cerise Ave	435	Hawthorne	4	0.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4245	LGADM-5	40	Kornblum Ave	233	Hawthorne	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4246	LGADM-5	41	Lemoli Ave	205	Hawthorne	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4247	LGADM-6	1	Manhattan Beach Blvd	2027	CO	6	2.30	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
4248	LGADM-6	2		167	CO	4	0.13	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4249	LGADM-6	3	Marine Ave	1540	CO	4	1.17	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4250	LGADM-6	4	Yukon Ave	1322	CO	4	1.00	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4251	LGADM-6	5	148th Pl	0	CO	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4252	LGADM-6	6	Cerise Ave	2328	CO	4	1.76	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4253	LGADM-6	7	Chadron Ave	792	CO	4	0.60	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4254	LGADM-6	8	Lemoli Ave	991	CO	4	0.75	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4255	LGADM-6	9	Manhattan Beach	195	CO	4	0.15	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4256	LGADM-6	10	Marine Ave	812	CO	4	0.62	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4257	LGADM-6	11	Polly Ave	325	CO	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4258	LGADM-6	12	S Ermanita Ave	2116	CO	4	1.60	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4259	LGADM-6	13	S Faysmith Ave	586	CO	4	0.44	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4260	LGADM-6	14	S Lemoli Ave	408	CO	4	0.31	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4261	LGADM-6	15	S Patronella Ave	1777	CO	4	1.35	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4262	LGADM-6	16	W 147th St	1532	CO	4	1.16	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4263	LGADM-6	17	W 152nd St	837	CO	4	0.63	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4264	LGADM-6	18	W 153rd St	167	CO	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4265	LGADM-6	19	W 154th St	349	CO	4	0.26	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4266	LGADM-6	20	W 157th St	1213	CO	4	0.92	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4267	LGADM-6	21	Yukon Ave	655	CO	4	0.50	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4268	LGADM-6	22		1469	CO	1	0.28	Alley	20	4	0	10	9	0.27	2	16	MED			Dominguez Channel	
4269	LGADM-6	23	Manhattan Beach Blvd	509	CO	6	0.58	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
4270	LGADM-6	24	Marine Ave	553	CO	4	0.42	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel	
4271	LGADM-6	25	Chadron Ave	547	CO	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4272	LGADM-6	26	Ogram Ave	698	CO	4	0.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4273	LGADM-6	27	S Falda Ave	699	CO	4	0.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4274	LGADM-6	28	S Faysmith Ave	1530	CO	4	1.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4275	LGADM-6	29	S Lemoli Ave	2245	CO	4	1.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4276	LGADM-6	30	W 152nd Pl	915	CO	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4277	LGADM-6	31	W 152nd St	1285	CO	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4278	LGADM-6	32	W 153rd St	900	CO	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4279	LGADM-6	33	W 154th Pl	868	CO	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4280	LGADM-6	34	W 154th St	1400	CO	4	1.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4281	LGADM-6	35	W 155th St	497	CO	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4282	LGADM-6	36	W 157th St	702	CO	4	0.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel	
4283	LGADM-6	37		180	CO	1	0.03	Alley	20	4	0	10	13	0.45	6	20	HIGH			Dominguez Channel	
4284	LGADM-6	38		66	Hawthorne	4	0.05	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4285	LGADM-6	39	Marine Ave	66	Hawthorne	4	0.05	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4286	LGADM-6	40	Yukon Ave	1147	Hawthorne	4	0.87	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4287	LGADM-6	41	144th Pl	0	Hawthorne	4	0.00	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4288	LGADM-6	42	148th Pl	266	Hawthorne	4	0.20	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4289	LGADM-6	43	Cerise Ave	565	Hawthorne	4	0.43	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4290	LGADM-6	44	Cranbrook Ave	41	Hawthorne	4	0.03	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4291	LGADM-6	45	Kornblum Ave	846	Hawthorne	4	0.64	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4292	LGADM-6	46	Lemoli Ave	21	Hawthorne	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4293	LGADM-6	47	Marine Ave	159	Hawthorne	4	0.12	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4294	LGADM-6	48	W 144th Pl	646	Hawthorne	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4295	LGADM-6	49	W 144th St	645	Hawthorne	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4296	LGADM-6	50	W 145th St	649	Hawthorne	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4297	LGADM-6	51	W 146th St	650	Hawthorne	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4298	LGADM-6	52	W 147th St	1416	Hawthorne	4	1.07	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4312	LGADM-9	1	S Vermont Ave	251	Los Angeles	6	0.29	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel	
4520	SD2002	1	Redondo Beach Blvd	2972	CO	6	3.38	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel	
4521	SD2002	2	Yukon Ave	16	CO	4	0.01	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel	
4522	SD2002	3	Ainsworth Ave	26	CO	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4523	SD2002	4	Thornburgh Ave	24	CO	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel	
4524	SD2002	5		19	CO	1	0.00	Alley	20	4	0	10	9	0.27	2	16	MED			Dominguez Channel	
4525	SD2002	6	Prairie Ave	246	CO	6	0.28	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
4526	SD2002	7	Redondo Beach Blvd	688	CO	6	0.78	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			Dominguez Channel	
4527	SD2002	8	169th St	2	CO	4	0.00	Minor-Local	60	6	1	8	9	0.27	2	16	MED			Dominguez Channel	
941	BI1202	1	E Del Amo Blvd	422	CO	6	0.48	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
942	BI1202	2		98	CO	6	0.11	Primary-Arterial	100	10	2	6	6	0.33	3	19	MED			Dominguez Channel Estuary	
943	BI1202	3	E Del Amo Blvd	628	CO	6	0.71	Primary-Arterial	100	10	2	6	6	0.33	3	19	MED			Dominguez Channel Estuary	
944	BI1202	4	S Alameda St	43	CO	6	0.05	Primary-Arterial	100	10	2	6	6	0.33	3	19	MED			Dominguez Channel Estuary	
945	BI1202	5	E Del Amo Blvd	1492	CO	6	1.70	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
946	BI1202	6		396	CO	4	0.30	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
947	BI1202	7	S Fordyce Ave	40	CO	4	0.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
948	BI1202	8	S Rancho Wy	689	CO	4	0.52	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
949	BI1202	9	S Reeves Ave	37	CO	4	0.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
950	BI1202	10	E Gladwick St	338	CO	4	0.26	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
951	BI1202	11	S Wilmington Ave	20	CO	6	0.02	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Dominguez Channel Estuary	
952	BI1202	12	E Pacifica Pl	921	CO	4	0.70	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
953	BI1202	13	S Rancho Wy	991	CO	4	0.75	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
1305	BI1206	1	Figueroa St	286	Los Angeles	6	0.33	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1306	BI1206	2	Victoria St	346	Los Angeles	6	0.39	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1307	BI1206	3	W 182nd St	1	Los Angeles	4	0.00	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1308	BI1206	4	Patrice Pl	342	Los Angeles	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1309	BI1206	5	W 189th St	518	Los Angeles	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
954	BI1232-1	1		2460	CO	6	2.80	Highway	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
956	BI1232-1	3	W Torrance Blvd	4021	CO	4	3.05	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel Estuary	
957	BI1232-1	4		4610	CO	4	3.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
967	BI1232-1	14	Linley St	116	CO	4	0.09	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
968	BI1232-1	15	Melissa St	124	CO	4	0.09	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
984	BI1232-1	31	W Baron St	535	CO	4	0.41	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
985	BI1232-1	32	W Del Amo Blvd	1180	CO	4	0.89	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
989	BI1232-1	36	Menlo Ave	490	CO	6	0.56	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel Estuary	
991	BI1232-1	38	W 223rd St	553	CO	6	0.63	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Dominguez Channel Estuary	
993	BI1232-1	40		3459	CO	4	2.62	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
994	BI1232-1	41	Harbor Ridge Ln	9	CO	4	0.01	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
995	BI1232-1	42	W 219th St	561	CO	4	0.43	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
996	BI1232-1	43	W 220th St	471	CO	4	0.36	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
999	BI1232-1	46	W 223rd St	444	CO	6	0.50	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1001	BI1232-1	48	W Del Amo Blvd	57	CO	6	0.07	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1002	BI1232-1	49		7145	CO	4	5.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1004	BI1232-1	51	221st St	421	CO	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1010	BI1232-1	57	Dunwich Ave	615	CO	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1013	BI1232-1	60	Jay Pl	472	CO	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1014	BI1232-1	61	Kenwood Ave	199	CO	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1017	BI1232-1	64	Mariposa Ave	612	CO	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1026	BI1232-1	73	S Menlo Ave	2	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1029	BI1232-1	76	W 196th St	492	CO	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1034	BI1232-1	81	W 219th St	75	CO	4	0.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1035	BI1232-1	82	W 220th St	2895	CO	4	2.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1036	BI1232-1	83	W 222nd St	234	CO	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1038	BI1232-1	85	W Del Amo Blvd	2011	CO	4	1.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1040	BI1232-1	87	W Fiat St	1269	CO	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1041	BI1232-1	88	W Jay St	644	CO	4	0.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1043	BI1232-1	90	Western Ave	453	Los Angeles	6	0.51	Highway	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1046	BI1232-1	93		256	Los Angeles	6	0.29	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
1048	BI1232-1	95	W Torrance Blvd	1774	Los Angeles	6	2.02	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
1049	BI1232-1	96	W Torrance Blvd	31	Los Angeles	4	0.02	Secondary-Collector	64	8	0	10	9	0.27	2	20	HIGH			Dominguez Channel Estuary	
1050	BI1232-1	97		31	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1051	BI1232-1	98	Del Amo Blvd	1562	Los Angeles	4	1.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1052	BI1232-1	99	Denker Ave	1341	Los Angeles	4	1.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1053	BI1232-1	100	Francisco St	172	Los Angeles	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1054	BI1232-1	101	Halldale Ave	16	Los Angeles	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1055	BI1232-1	102	Pacific Gateway Dr	581	Los Angeles	4	0.44	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1056	BI1232-1	103	S Brighton Ave	66	Los Angeles	4	0.05	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1057	BI1232-1	104	S Dalton Ave	27	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1058	BI1232-1	105	S Harvard Blvd	1253	Los Angeles	4	0.95	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1059	BI1232-1	106	S Normandie Ave	580	Los Angeles	4	0.44	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1060	BI1232-1	107	W 204th St	1682	Los Angeles	4	1.27	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1061	BI1232-1	108	W 205th St	1233	Los Angeles	4	0.93	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1062	BI1232-1	109	W 206th St	834	Los Angeles	4	0.63	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1063	BI1232-1	110	W 208th St	10	Los Angeles	4	0.01	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1064	BI1232-1	111	W Del Amo Blvd	33	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1065	BI1232-1	112	W Jon St	30	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1066	BI1232-1	113	W Milton St	32	Los Angeles	4	0.02	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1067	BI1232-1	114	221st St	273	Los Angeles	4	0.21	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
1068	BI1232-1	115	S Harvard Blvd	425	Los Angeles	4	0.32	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
1069	BI1232-1	116	W 222nd St	839	Los Angeles	4	0.64	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
1071	BI1232-1	118		254	Los Angeles	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1072	BI1232-1	119	220th St	2980	Los Angeles	4	2.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1073	BI1232-1	120	221st St	2017	Los Angeles	4	1.53	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1074	BI1232-1	121	Denker Ave	1239	Los Angeles	4	0.94	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1075	BI1232-1	122	Dunwich Ave	32	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1076	BI1232-1	123	Francisco St	1313	Los Angeles	4	0.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1077	BI1232-1	124	Halldale Ave	2172	Los Angeles	4	1.65	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1078	BI1232-1	125	Levinson St	33	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1079	BI1232-1	126	Magellan Dr	276	Los Angeles	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1080	BI1232-1	127	Normandie Ave	2661	Los Angeles	4	2.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1081	BI1232-1	128	S Harvard Blvd	822	Los Angeles	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1082	BI1232-1	129	W 196th St	3	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1083	BI1232-1	130	W 212th St	39	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1084	BI1232-1	131	W 218th St	1272	Los Angeles	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1085	BI1232-1	132	W 219th St	1266	Los Angeles	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1086	BI1232-1	133	W 220th St	31	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1087	BI1232-1	134	W 222nd St	1833	Los Angeles	4	1.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1089	BI1232-2	2	Hamilton Ave	607	Los Angeles	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1090	BI1275	1		396	CO	6	0.45	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1091	BI1275	2	Avalon Blvd	3213	CO	6	3.65	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1092	BI1275	3	E Redondo Beach Blvd	112	CO	6	0.13	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1093	BI1275	4	E Rosecrans Ave	2945	CO	6	3.35	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1094	BI1275	5	S Avalon Blvd	3213	CO	6	3.65	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1095	BI1275	6	S Main St	3248	CO	6	3.69	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1096	BI1275	7	S San Pedro St	3542	CO	6	4.03	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1098	BI1275	9		39	CO	4	0.03	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1099	BI1275	10	E 135th St	1290	CO	4	0.98	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1100	BI1275	11	E Compton Blvd	324	CO	4	0.25	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1101	BI1275	12	S Stanford Ave	2282	CO	4	1.73	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1102	BI1275	13	W Compton Blvd	87	CO	4	0.07	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1103	BI1275	14		6266	CO	4	4.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1104	BI1275	15	Alfeld Ave	472	CO	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1105	BI1275	16	Alsina St	297	CO	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1106	BI1275	17	Cadmus Ave	349	CO	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1107	BI1275	18	Dagmar Ave	342	CO	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1108	BI1275	19	E 136th St	1316	CO	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1109	BI1275	20	E 137th St	1471	CO	4	1.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1110	BI1275	21	E 138th St	1977	CO	4	1.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1111	BI1275	22	E 139th St	2522	CO	4	1.91	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1112	BI1275	23	E 140th St	1780	CO	4	1.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1113	BI1275	24	E 141st St	218	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1114	BI1275	25	E 142nd St	213	CO	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1115	BI1275	26	E 145th St	380	CO	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1116	BI1275	27	E 146th St	317	CO	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1117	BI1275	28	E 154th St	76	CO	4	0.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1118	BI1275	29	E 157th St	140	CO	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1119	BI1275	30	E Allenhurst St	1324	CO	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1120	BI1275	31	E Lennon St	554	CO	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1121	BI1275	32	E Piru St	217	CO	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1122	BI1275	33	E Santa Rita St	300	CO	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1123	BI1275	34	Eadall Ave	986	CO	4	0.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1124	BI1275	35	Maple Ave	370	CO	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1125	BI1275	36	Markton Ave	444	CO	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1126	BI1275	37	Markton St	444	CO	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1127	BI1275	38	Mettler Ave	366	CO	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1128	BI1275	39	Piru St	217	CO	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1129	BI1275	40	S Caswell Ave	334	CO	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1130	BI1275	41	S Clymar Ave	1225	CO	4	0.93	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1131	BI1275	42	S Maple Ave	370	CO	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1132	BI1275	43	S Tarrant Ave	939	CO	4	0.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1133	BI1275	44	S Towne Ave	777	CO	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1134	BI1275	45	S Visalia Ave	190	CO	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1135	BI1275	46	Towne Ave	777	CO	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1136	BI1275	47	W 138th St	739	CO	4	0.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1137	BI1275	48	W 140th St	137	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1138	BI1275	49		94	CO	6	0.11	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1139	BI1275	50	Avalon Blvd	6522	CO	6	7.41	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1140	BI1275	51	E Redondo Beach Blvd	2178	CO	6	2.48	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1141	BI1275	52	S Avalon Blvd	6522	CO	6	7.41	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1142	BI1275	53	S San Pedro St	3955	CO	6	4.49	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
1143	BI1275	54		25	CO	4	0.02	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1144	BI1275	55	E Compton Blvd	2403	CO	4	1.82	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1145	BI1275	56		6532	CO	4	4.95	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1146	BI1275	57	Dee St	873	CO	4	0.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1147	BI1275	58	E 149th St	645	CO	4	0.49	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1148	BI1275	59	E 153rd St	47	CO	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1149	BI1275	60	E 154th St	1138	CO	4	0.86	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1150	BI1275	61	E 157th St	106	CO	4	0.08	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1151	BI1275	62	E Airline Wy	14	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1152	BI1275	63	Finney Ct	162	CO	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1153	BI1275	64	McKinley Ave	14	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1154	BI1275	65	S Haskins Ave	496	CO	4	0.38	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1155	BI1275	66	S McKinley Ave	14	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1156	BI1275	67	S Tarrant Ave	1246	CO	4	0.94	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1157	BI1275	68	S Visalia Ave	10	CO	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1158	BI1275	69	Stulman Ave	284	CO	4	0.22	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
1333	BI3894	2		103	Los Angeles	6	0.12	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1334	BI3894	3	190th St	1329	Los Angeles	6	1.51	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1337	BI3894	6	W 190th St	3991	Los Angeles	6	4.54	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1338	BI3894	7	190th St	420	Los Angeles	6	0.48	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
1340	BI3894	9		170	Los Angeles	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1341	BI3894	10	Francisco St	3072	Los Angeles	4	2.33	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1342	BI3894	11	Harborgate Wy	691	Los Angeles	4	0.52	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1343	BI3894	12	Knox St	286	Los Angeles	4	0.22	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
1344	BI3894	13	Western Ave	19	Los Angeles	6	0.02	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
1345	BI3894	14		1309	Los Angeles	4	0.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1346	BI3894	15	Harborgate Wy	2355	Los Angeles	4	1.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1347	BI3894	16	Knox St	19	Los Angeles	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1348	BI3894	17	Pacific Gateway Dr	221	Los Angeles	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1349	BI3894	18	S New Hampshire Ave	463	Los Angeles	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1350	BI3894	19	W 187th Pl	950	Los Angeles	4	0.72	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1351	BI3894	20	W 187th St	743	Los Angeles	4	0.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
1352	BI3894	21	W 196th St	19	Los Angeles	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2378	BI541-1	1	E Del Amo Blvd	1430	CO	6	1.62	Primary-Arterial	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
2379	BI541-1	2	S Santa Fe Ave	874	CO	6	0.99	Primary-Arterial	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
2380	BI541-1	3		746	CO	6	0.85	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			Dominguez Channel Estuary	
2381	BI541-1	4	S Alameda St	1511	CO	6	1.72	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			Dominguez Channel Estuary	
2382	BI541-1	5	S Santa Fe Ave	912	CO	6	1.04	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			Dominguez Channel Estuary	
2383	BI541-1	6	State Route 47	1513	CO	6	1.72	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			Dominguez Channel Estuary	
2384	BI541-1	7		486	CO	4	0.37	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			Dominguez Channel Estuary	
2385	BI541-1	8	S Santa Fe Ave	611	CO	4	0.46	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			Dominguez Channel Estuary	
2386	BI541-1	9	E Del Amo Blvd	736	CO	6	0.84	Primary-Arterial	100	10	1	8	6	0.33	3	21	HIGH			Dominguez Channel Estuary	
2387	BI541-1	10	S Alameda St	1205	CO	6	1.37	Primary-Arterial	100	10	1	8	6	0.33	3	21	HIGH			Dominguez Channel Estuary	
2388	BI541-1	11	S Santa Fe Ave	1087	CO	6	1.24	Primary-Arterial	100	10	1	8	6	0.33	3	21	HIGH			Dominguez Channel Estuary	
2389	BI541-1	12	State Route 47	1161	CO	6	1.32	Primary-Arterial	100	10	1	8	6	0.33	3	21	HIGH			Dominguez Channel Estuary	
2390	BI541-1	13	Vista Industria	329	CO	4	0.25	Minor-Local	60	6	1	8	6	0.33	3	17	MED			Dominguez Channel Estuary	
2391	BI541-1	14		459	CO	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
2392	BI541-1	15		61	CO	6	0.07	Primary-Arterial	100	10	2	6	3	0.77	9	25	HIGH			Dominguez Channel Estuary	
2393	BI541-1	16	S Alameda St	1745	CO	6	1.98	Primary-Arterial	100	10	2	6	3	0.77	9	25	HIGH			Dominguez Channel Estuary	
2394	BI541-1	17	S Santa Fe Ave	234	CO	6	0.27	Primary-Arterial	100	10	2	6	3	0.77	9	25	HIGH			Dominguez Channel Estuary	
2395	BI541-1	18	State Route 47	1959	CO	6	2.23	Primary-Arterial	100	10	2	6	3	0.77	9	25	HIGH			Dominguez Channel Estuary	
2396	BI541-1	19		352	CO	4	0.27	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			Dominguez Channel Estuary	
2397	BI541-1	20	E Del Amo Blvd	87	CO	6	0.10	Primary-Arterial	100	10	2	6	6	0.33	3	19	MED			Dominguez Channel Estuary	
2398	BI541-1	21	S Laurel Park Rd	436	CO	4	0.33	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
2399	BI541-1	22	E Victoria St	107	CO	4	0.08	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
2400	BI541-1	23	S Alameda St	1800	CO	6	2.05	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			Dominguez Channel Estuary	
2401	BI541-1	24	State Route 47	1800	CO	6	2.05	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			Dominguez Channel Estuary	
2402	BI541-1	25	S Laurel Park Rd	336	CO	4	0.25	Secondary-Collector	64	8	3	4	3	0.77	9	21	HIGH			Dominguez Channel Estuary	
2403	BI541-1	26	S Alameda St	1845	CO	6	2.10	Primary-Arterial	100	10	3	4	6	0.33	3	17	MED			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2404	BI541-1	27	State Route 47	1845	CO	6	2.10	Primary-Arterial	100	10	3	4	6	0.33	3	17	MED			Dominguez Channel Estuary	
2405	BI541-1	28		47	CO	4	0.04	Minor-Local	60	6	3	4	6	0.33	3	13	LOW			Dominguez Channel Estuary	
2406	BI541-1	29	Vista Industria	265	CO	4	0.20	Minor-Local	60	6	3	4	6	0.33	3	13	LOW			Dominguez Channel Estuary	
2407	BI541-1	30	S Laurel Park Rd	548	CO	4	0.42	Secondary-Collector	64	8	3	4	13	0.45	6	18	MED			Dominguez Channel Estuary	
2408	BI541-1	31		310	CO	4	0.24	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
2409	BI541-1	32	S Alameda St	1190	CO	6	1.35	Primary-Arterial	100	10	4	2	3	0.77	9	21	HIGH			Dominguez Channel Estuary	
2410	BI541-1	33	State Route 47	1190	CO	6	1.35	Primary-Arterial	100	10	4	2	3	0.77	9	21	HIGH			Dominguez Channel Estuary	
2411	BI541-1	34	S Laurel Park Rd	1077	CO	4	0.82	Secondary-Collector	64	8	4	2	3	0.77	9	19	MED			Dominguez Channel Estuary	
2412	BI541-1	35		140	CO	4	0.11	Minor-Local	60	6	4	2	3	0.77	9	17	MED			Dominguez Channel Estuary	
2413	BI541-1	36	S Alameda St	261	CO	6	0.30	Primary-Arterial	100	10	4	2	6	0.33	3	15	MED			Dominguez Channel Estuary	
2414	BI541-1	37	State Route 47	261	CO	6	0.30	Primary-Arterial	100	10	4	2	6	0.33	3	15	MED			Dominguez Channel Estuary	
2415	BI541-1	38	S Laurel Park Rd	178	CO	4	0.13	Secondary-Collector	64	8	4	2	13	0.45	6	16	MED			Dominguez Channel Estuary	
2416	BI541-1	39		4995	CO	4	3.78	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
2417	BI541-1	40	S Rancho Wy	955	CO	4	0.72	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
2418	BI541-2	1	E 223rd St	598	Los Angeles	6	0.68	Primary-Arterial	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
2419	BI541-2	2	E 223rd St	153	Los Angeles	4	0.12	Secondary-Collector	64	8	0	10	6	0.33	3	21	HIGH			Dominguez Channel Estuary	
2629	BI76	1	Western Ave	1246	Los Angeles	6	1.42	Highway	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
2630	BI76	2	Carson St	2	Los Angeles	6	0.00	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
2631	BI76	3	Torrance Blvd	983	Los Angeles	6	1.12	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
2632	BI76	4		36	Los Angeles	6	0.04	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
2633	BI76	5	Torrance Blvd	1015	Los Angeles	6	1.15	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
2634	BI76	6	W Torrance Blvd	1291	Los Angeles	6	1.47	Primary-Arterial	100	10	0	10	9	0.27	2	22	HIGH			Dominguez Channel Estuary	
2635	BI76	7	Denker Ave	1509	Los Angeles	4	1.14	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2636	BI76	8	Halldale Ave	1128	Los Angeles	4	0.85	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2637	BI76	9	La Salle Ave	177	Los Angeles	4	0.13	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2638	BI76	10	S Brighton Ave	1076	Los Angeles	4	0.81	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2639	BI76	11	S Dalton Ave	1097	Los Angeles	4	0.83	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2640	BI76	12	S Harvard Blvd	1056	Los Angeles	4	0.80	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2641	BI76	13	S Normandie Ave	644	Los Angeles	4	0.49	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2642	BI76	14	W 205th St	327	Los Angeles	4	0.25	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2643	BI76	15	W 206th St	727	Los Angeles	4	0.55	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2644	BI76	16	W 207th St	1562	Los Angeles	4	1.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2645	BI76	17	W 208th St	1559	Los Angeles	4	1.18	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2646	BI76	18	W 209th St	2953	Los Angeles	4	2.24	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
2648	BI76	20	W Torrance Blvd	1076	Los Angeles	6	1.22	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
2649	BI76	21	219th St	780	Los Angeles	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2650	BI76	22	Brighton Ave	294	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2651	BI76	23	Dalton Ave	306	Los Angeles	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2652	BI76	24	Denker Ave	3630	Los Angeles	4	2.75	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2653	BI76	25	Halldale Ave	2502	Los Angeles	4	1.90	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2654	BI76	26	Hobart Blvd	550	Los Angeles	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2655	BI76	27	La Salle Ave	1109	Los Angeles	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2656	BI76	28	Normandie Ave	1465	Los Angeles	4	1.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2657	BI76	29	S Brighton Ave	1023	Los Angeles	4	0.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2658	BI76	30	S Dalton Ave	872	Los Angeles	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2659	BI76	31	S Harvard Blvd	3590	Los Angeles	4	2.72	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2660	BI76	32	S Hobart Blvd	723	Los Angeles	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2661	BI76	33	S Normandie Ave	764	Los Angeles	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2662	BI76	34	W 210th St	225	Los Angeles	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2663	BI76	35	W 211th St	2481	Los Angeles	4	1.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2664	BI76	36	W 212th St	2568	Los Angeles	4	1.95	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2665	BI76	37	W 213th St	2339	Los Angeles	4	1.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2666	BI76	38	W 214th St	2616	Los Angeles	4	1.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2667	BI76	39	W 215th St	2250	Los Angeles	4	1.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2668	BI76	40	W 216th St	2885	Los Angeles	4	2.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2669	BI76	41	W 218th St	1605	Los Angeles	4	1.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
2670	BI76	42	W 219th St	829	Los Angeles	4	0.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3043	BI9806	1		1719	CO	4	1.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3044	BI9806	2	Corlett Ave	1112	CO	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3045	BI9806	3	E 148th St	1864	CO	4	1.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3046	BI9806	4	E 149th St	1941	CO	4	1.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3047	BI9806	5	E 150th St	1034	CO	4	0.78	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3048	BI9806	6	S Aprilia Ave	1119	CO	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3049	BI9806	7	S Bahama Ave	1082	CO	4	0.82	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3050	BI9806	8	S Cahita Ave	1136	CO	4	0.86	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3051	BI9806	9	S Cairn Ave	1125	CO	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3052	BI9806	10	S Corlett Ave	1112	CO	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3053	BI9806	11	S Deodora Ave	332	CO	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3054	BI9806	12	S Goleta St	356	CO	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3055	BI9806	13	S Haskins Ave	494	CO	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3056	BI9806	14	S Keene Ave	1101	CO	4	0.83	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3057	BI9806	15	S Loness Ave	1092	CO	4	0.83	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3058	BI9806	16	S Wadsworth Ave	146	CO	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3059	BI9806	17		473	CO	4	0.36	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3060	BI9806	18	E 153rd St	611	CO	4	0.46	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3061	BI9806	19	E 154th St	867	CO	4	0.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3062	BI9806	20	E 157th St	270	CO	4	0.20	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3063	BI9806	21	E Darlan St	237	CO	4	0.18	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3064	BI9806	22	McKinley Ave	1090	CO	4	0.83	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3065	BI9806	23	S Haskins Ave	959	CO	4	0.73	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3066	BI9806	24	S McKinley Ave	1090	CO	4	0.83	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3067	BI9806	25	S Stanford Ave	1183	CO	4	0.90	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3068	BI9806	26	S Visalia Ave	2386	CO	4	1.81	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3069	BI9806	27	W 154th St	114	CO	4	0.09	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3610	DELAMO	1		2829	CO	4	2.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3611	DELAMO	2	E Del Amo Blvd	1451	CO	6	1.65	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3612	DELAMO	3	S Wilmington Ave	548	CO	6	0.62	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3613	DELAMO	4		2223	CO	4	1.68	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3614	DELAMO	5	E University Dr	737	CO	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3615	DELAMO	6	S Broadwick St	803	CO	4	0.61	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3616	DELAMO	7	S Dominguez Hills Dr	103	CO	4	0.08	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3617	DELAMO	8	S Wilmington Ave	1568	CO	6	1.78	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3618	DELAMO	9	E University Dr	8	CO	4	0.01	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3619	DELAMO	10		1357	CO	4	1.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
3620	DELAMO	11	E Cashdan St	22	CO	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
3621	DELAMO	12	E Dimondale Dr	8	CO	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
3622	DELAMO	13	E University Dr	666	CO	4	0.50	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
3623	DELAMO	14	E Via Arado	432	CO	4	0.33	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
3624	DELAMO	15	S Dominguez Hills Dr	856	CO	4	0.65	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Dominguez Channel Estuary	
3625	DELAMO	16	S Wilmington Ave	899	CO	6	1.02	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
3626	DELAMO	17		2600	CO	4	1.97	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3627	DELAMO	18	E Cashdan St	1351	CO	4	1.02	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3628	DELAMO	19	E Gladwick St	193	CO	4	0.15	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3629	DELAMO	20	E Via Arado	1048	CO	4	0.79	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3630	DELAMO	21	E Vista Bella Wy	80	CO	4	0.06	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3631	DELAMO	22	S Dominguez Hills Dr	27	CO	4	0.02	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3632	DELAMO	23	S Via Barron	671	CO	4	0.51	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	
3633	DELAMO	24	Via Baron	671	CO	4	0.51	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3634	DELAMO	25	S Wilmington Ave	1741	CO	6	1.98	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Dominguez Channel Estuary	
3635	DELAMO	26		4195	CO	4	3.18	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
3636	DELAMO	27	B St	160	CO	4	0.12	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
3637	DELAMO	28	E Gladwick St	2752	CO	4	2.09	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
3638	DELAMO	29	E Helmick St	7	CO	4	0.01	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
3639	DELAMO	30	E Vista Bella Wy	481	CO	4	0.36	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
3640	DELAMO	31	S Dominguez Hills Dr	744	CO	4	0.56	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Dominguez Channel Estuary	
3849	LA24857	3	W 196th St	2	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3851	LA24857	5	Pacific Gateway Dr	110	Los Angeles	4	0.08	Minor-Local	60	6	0	10	9	0.27	2	18	MED			Dominguez Channel Estuary	
3852	LA24857	6	Knox St	1939	Los Angeles	4	1.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3853	LA24857	7	Magellan Dr	1320	Los Angeles	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3854	LA24857	8	Pacific Gateway Dr	2164	Los Angeles	4	1.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3972	LGADM-10	1	S Hoover St	1863	Los Angeles	4	1.41	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3973	LGADM-10	2		491	Los Angeles	6	0.56	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
3974	LGADM-10	3	Figueroa St	385	Los Angeles	6	0.44	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
3976	LGADM-10	5	S Figueroa St	1498	Los Angeles	6	1.70	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
3978	LGADM-10	7	182nd St	88	Los Angeles	4	0.07	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3979	LGADM-10	8	W 182nd St	3295	Los Angeles	4	2.50	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3980	LGADM-10	9	W Gardena Blvd	13	Los Angeles	4	0.01	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Dominguez Channel Estuary	
3981	LGADM-10	10		1843	Los Angeles	4	1.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3982	LGADM-10	11	177th St	5	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3983	LGADM-10	12	Electric St	425	Los Angeles	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3984	LGADM-10	13	Estrella Ave	38	Los Angeles	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3985	LGADM-10	14	Merit Ave	550	Los Angeles	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3986	LGADM-10	15	S Catalina Ave	1054	Los Angeles	4	0.80	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3987	LGADM-10	16	S Denver Ave	517	Los Angeles	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3988	LGADM-10	17	S Hoover St	666	Los Angeles	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3989	LGADM-10	18	S Mariposa Ave	1048	Los Angeles	4	0.79	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3990	LGADM-10	19	S New Hampshire Ave	271	Los Angeles	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3991	LGADM-10	20	S Raymond Ave	528	Los Angeles	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3992	LGADM-10	21	W 168th St	156	Los Angeles	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3993	LGADM-10	22	W 172nd St	544	Los Angeles	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3994	LGADM-10	23	W 173rd Pl	637	Los Angeles	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3995	LGADM-10	24	W 173rd St	1157	Los Angeles	4	0.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3996	LGADM-10	25	W 184th St	2601	Los Angeles	4	1.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3997	LGADM-10	26	W 185th St	1639	Los Angeles	4	1.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3998	LGADM-10	27	W 186th St	2334	Los Angeles	4	1.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
3999	LGADM-10	28	W 187th Pl	1271	Los Angeles	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
4000	LGADM-10	29	W 187th St	1263	Los Angeles	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
4001	LGADM-10	30	W Cassidy St	0	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
4003	LGADM-10	32	Budlong Ave	470	Los Angeles	4	0.36	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
4004	LGADM-10	33	S New Hampshire Ave	320	Los Angeles	4	0.24	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
4005	LGADM-10	34	W 177th St	153	Los Angeles	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
4006	LGADM-10	35	W 184th St	140	Los Angeles	4	0.11	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
4007	LGADM-10	36	W 185th St	328	Los Angeles	4	0.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
4008	LGADM-10	37	W 186th St	317	Los Angeles	4	0.24	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Dominguez Channel Estuary	
4013	LGADM-11	5	S Hamilton St	336	CO	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
4015	LGADM-11	7	Victoria St	531	Los Angeles	6	0.60	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
4016	LGADM-11	8	W 190th St	1873	Los Angeles	6	2.13	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Dominguez Channel Estuary	
4018	LGADM-11	10	S Hamilton St	57	Los Angeles	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Dominguez Channel Estuary	
4019	LGADM-16	1	West Rd	16	Los Angeles	4	0.01	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			Dominguez Channel Estuary	
4020	LGADM-16	2	Highway 1	288	Los Angeles	6	0.33	Highway	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
4021	LGADM-16	3	Pacific Coast Hwy	608	Los Angeles	6	0.69	Highway	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
4022	LGADM-16	4		957	Los Angeles	4	0.72	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4023	LGADM-16	5	1st	197	Los Angeles	4	0.15	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4024	LGADM-16	6	2nd St	677	Los Angeles	4	0.51	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4025	LGADM-16	7	3rd St	713	Los Angeles	4	0.54	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4026	LGADM-16	8	East Rd	2555	Los Angeles	4	1.94	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4027	LGADM-16	9	Middle Rd	4353	Los Angeles	4	3.30	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4028	LGADM-16	10	West Rd	2977	Los Angeles	4	2.26	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4029	LGADM-16	11	Eubank Ave	463	Los Angeles	4	0.35	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Dominguez Channel Estuary	
4030	LGADM-16	12	Highway 1	1819	Los Angeles	6	2.07	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4031	LGADM-16	13	Pacific Coast Hwy	2630	Los Angeles	6	2.99	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4032	LGADM-16	14	Pch Hwy	1819	Los Angeles	6	2.07	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4033	LGADM-16	15	State Route 1	1601	Los Angeles	6	1.82	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4034	LGADM-16	16	State Route 1 Hwy	218	Los Angeles	6	0.25	Highway	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4035	LGADM-16	17	Alameda St	1446	Los Angeles	6	1.64	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4036	LGADM-16	18	E Lomita Blvd	502	Los Angeles	6	0.57	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4037	LGADM-16	19	Wilmington Ave	4	Los Angeles	6	0.00	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Dominguez Channel Estuary	
4038	LGADM-16	20	Baypoint Ave	2416	Los Angeles	4	1.83	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4039	LGADM-16	21	Blinn Ave	1254	Los Angeles	4	0.95	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4040	LGADM-16	22	Bombay Ave	490	Los Angeles	4	0.37	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4041	LGADM-16	23	Broad Ave	205	Los Angeles	4	0.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4042	LGADM-16	24	Deepwater Ave	703	Los Angeles	4	0.53	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4043	LGADM-16	25	E 246th St	1052	Los Angeles	4	0.80	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4044	LGADM-16	26	E 248th St	661	Los Angeles	4	0.50	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4045	LGADM-16	27	E Colon St	182	Los Angeles	4	0.14	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4046	LGADM-16	28	E Dolores St	695	Los Angeles	4	0.53	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4047	LGADM-16	29	E Lomita Blvd	1149	Los Angeles	4	0.87	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4048	LGADM-16	30	E O St	1122	Los Angeles	4	0.85	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4049	LGADM-16	31	E Proctor St	695	Los Angeles	4	0.53	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4050	LGADM-16	32	E Q St	803	Los Angeles	4	0.61	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4051	LGADM-16	33	E Sandison St	1005	Los Angeles	4	0.76	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4052	LGADM-16	34	Eubank Ave	2133	Los Angeles	4	1.62	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4053	LGADM-16	35	Goodrich Ave	15	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4054	LGADM-16	36	Lakme Ave	1531	Los Angeles	4	1.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4055	LGADM-16	37	Oceanside St	856	Los Angeles	4	0.65	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4056	LGADM-16	38	Sanford Ave	21	Los Angeles	4	0.02	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4057	LGADM-16	39	Seagrove Ave	1496	Los Angeles	4	1.13	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4058	LGADM-16	40		1348	Los Angeles	1	0.26	Alley	20	4	0	10	14	0.81	10	24	HIGH			Dominguez Channel Estuary	
4059	LGADM-16	41	Highway 1	61	Los Angeles	6	0.07	Highway	100	10	0	10	15	0.72	7	27	HIGH			Dominguez Channel Estuary	
4060	LGADM-16	42	Pacific Coast Hwy	413	Los Angeles	6	0.47	Highway	100	10	0	10	15	0.72	7	27	HIGH			Dominguez Channel Estuary	
4061	LGADM-16	43	Pch Hwy	61	Los Angeles	6	0.07	Highway	100	10	0	10	15	0.72	7	27	HIGH			Dominguez Channel Estuary	
4062	LGADM-16	44	State Route 1 Hwy	61	Los Angeles	6	0.07	Highway	100	10	0	10	15	0.72	7	27	HIGH			Dominguez Channel Estuary	
4063	LGADM-16	45		277	Los Angeles	4	0.21	Minor-Local	60	6	0	10	15	0.72	7	23	HIGH			Dominguez Channel Estuary	
4064	LGADM-16	46	1st	178	Los Angeles	4	0.13	Minor-Local	60	6	0	10	15	0.72	7	23	HIGH			Dominguez Channel Estuary	
4065	LGADM-16	47	West Rd	534	Los Angeles	4	0.40	Minor-Local	60	6	0	10	15	0.72	7	23	HIGH			Dominguez Channel Estuary	
4066	LGADM-16	48	Highway 1	523	Los Angeles	6	0.59	Highway	100	10	1	8	14	0.81	10	28	HIGH			Dominguez Channel Estuary	
4067	LGADM-16	49	Pacific Coast Hwy	523	Los Angeles	6	0.59	Highway	100	10	1	8	14	0.81	10	28	HIGH			Dominguez Channel Estuary	
4068	LGADM-16	50	Pch Hwy	523	Los Angeles	6	0.59	Highway	100	10	1	8	14	0.81	10	28	HIGH			Dominguez Channel Estuary	
4069	LGADM-16	51	State Route 1	523	Los Angeles	6	0.59	Highway	100	10	1	8	14	0.81	10	28	HIGH			Dominguez Channel Estuary	
4070	LGADM-17	1	State Route 47	3374	Los Angeles	6	3.83	Highway	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
4071	LGADM-17	2	E Anaheim St	2411	Los Angeles	6	2.74	Primary-Arterial	100	10	0	10	6	0.33	3	23	HIGH			Dominguez Channel Estuary	
4072	LGADM-17	3		8365	Los Angeles	4	6.34	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4073	LGADM-17	4	Cushing Ave	1189	Los Angeles	4	0.90	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4074	LGADM-17	5	E Grant St	1983	Los Angeles	4	1.50	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4075	LGADM-17	6	E I St	2818	Los Angeles	4	2.13	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4076	LGADM-17	7	E Opp St	978	Los Angeles	4	0.74	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4077	LGADM-17	8	Farragut Ave	1280	Los Angeles	4	0.97	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4078	LGADM-17	9	Foote Ave	1337	Los Angeles	4	1.01	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4079	LGADM-17	10	Goodrich Ave	570	Los Angeles	4	0.43	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4080	LGADM-17	11	Leeds Ave	389	Los Angeles	4	0.29	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4081	LGADM-17	12	Macdonough Ave	1184	Los Angeles	4	0.90	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4082	LGADM-17	13	N Henry Ford Ave	129	Los Angeles	4	0.10	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4083	LGADM-17	14	Opp St	49	Los Angeles	4	0.04	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4084	LGADM-17	15	Pennington Ave	1292	Los Angeles	4	0.98	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4085	LGADM-17	16	Preble Ave	10	Los Angeles	4	0.01	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4086	LGADM-17	17	Sampson Ave	1038	Los Angeles	4	0.79	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4087	LGADM-17	18	Schley Ave	1202	Los Angeles	4	0.91	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4088	LGADM-17	19	Sigsbee Ave	897	Los Angeles	4	0.68	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4089	LGADM-17	20	Southerland Ave	1691	Los Angeles	4	1.28	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4090	LGADM-17	21	Southern Pacific Dr	1158	Los Angeles	4	0.88	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4091	LGADM-17	22	Vreeland Ave	183	Los Angeles	4	0.14	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4092	LGADM-17	23	Wainwright Ave	234	Los Angeles	4	0.18	Minor-Local	60	6	0	10	6	0.33	3	19	MED			Dominguez Channel Estuary	
4095	LGADM-17	26	Cristobal Ave	1375	Los Angeles	4	1.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4096	LGADM-17	27	E Denni St	745	Los Angeles	4	0.56	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4097	LGADM-17	28	E Grant St	1944	Los Angeles	4	1.47	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4098	LGADM-17	29	E I St	1555	Los Angeles	4	1.18	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4099	LGADM-17	30	E M St	786	Los Angeles	4	0.60	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4100	LGADM-17	31	E Mauretania St	668	Los Angeles	4	0.51	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4101	LGADM-17	32	E Opp St	1686	Los Angeles	4	1.28	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4102	LGADM-17	33	E Robidoux St	905	Los Angeles	4	0.69	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4103	LGADM-17	34	E Young St	705	Los Angeles	4	0.53	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4104	LGADM-17	35	Goodrich Ave	1292	Los Angeles	4	0.98	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4105	LGADM-17	36	Leeds Ave	112	Los Angeles	4	0.08	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4106	LGADM-17	37	Murdock Ave	512	Los Angeles	4	0.39	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4107	LGADM-17	38	N Henry Ford Ave	1914	Los Angeles	4	1.45	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4108	LGADM-17	39	Preble Ave	798	Los Angeles	4	0.60	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4109	LGADM-17	40	Vreeland Ave	757	Los Angeles	4	0.57	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Dominguez Channel Estuary	
4110	LGADM-17	41		492	Los Angeles	4	0.37	Minor-Local	60	6	0	10	15	0.72	7	23	HIGH			Dominguez Channel Estuary	
520	BI1103C	2	W Anaheim St	761	Los Angeles	6	0.86	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
521	BI1103C	3		886	Los Angeles	4	0.67	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
522	BI1103C	4	Alton St	321	Los Angeles	4	0.24	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
523	BI1103C	5	Arabic St	371	Los Angeles	4	0.28	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
524	BI1103C	6	Emden St	263	Los Angeles	4	0.20	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
525	BI1103C	7	Frigate Ave	2126	Los Angeles	4	1.61	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
526	BI1103C	8	Mar Vista Ave	2633	Los Angeles	4	1.99	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
527	BI1103C	9	W D St	629	Los Angeles	4	0.48	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
528	BI1103C	10	W E St	940	Los Angeles	4	0.71	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
529	BI1103C	11	W F St	832	Los Angeles	4	0.63	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
530	BI1103C	12	W G St	790	Los Angeles	4	0.60	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
531	BI1103C	13		5752	Los Angeles	1	1.09	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
1908	BI511A	1	N Patton Ave	111	Los Angeles	4	0.08	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1909	BI511A	2	W Elberon Ave	126	Los Angeles	4	0.10	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1910	BI511A	3	W Ofarrell St	748	Los Angeles	4	0.57	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1911	BI511A	4	N Meyler St	41	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1912	BI511A	5	W Elberon Ave	271	Los Angeles	4	0.21	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1913	BI511A	6		151	Los Angeles	1	0.03	Alley	20	4	3	4	9	0.27	2	10	LOW			LA LB Harbor	
1914	BI511A	7	Paraiso St	9	Los Angeles	4	0.01	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
1915	BI511A	8	S Herbert Ave	36	Los Angeles	4	0.03	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
1916	BI511A	9	W Channel St	364	Los Angeles	4	0.28	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
1917	BI511A	10	N Western Ave	394	Los Angeles	6	0.45	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1918	BI511A	11	W Summerland Ave	977	Los Angeles	4	0.74	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
1919	BI511A	12	N Bandini St	252	Los Angeles	4	0.19	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1920	BI511A	13	N Ellery Dr	207	Los Angeles	4	0.16	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1921	BI511A	14	N Harbor View Ave	416	Los Angeles	4	0.32	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1922	BI511A	15	N Walker Ave	98	Los Angeles	4	0.07	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1923	BI511A	16	W Elberon Ave	465	Los Angeles	4	0.35	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1924	BI511A	17	W Ofarrell St	1408	Los Angeles	4	1.07	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1925	BI511A	18		822	Los Angeles	1	0.16	Alley	20	4	4	2	4	0.4	5	11	LOW			LA LB Harbor	
1926	BI511A	19	Lois Ave	140	Los Angeles	4	0.11	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
1927	BI511A	20	N Bandini St	344	Los Angeles	4	0.26	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
1928	BI511A	21	N Dunn St	353	Los Angeles	4	0.27	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
1929	BI511A	22	N Meyler St	479	Los Angeles	4	0.36	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
1930	BI511A	23	W Crestwood Ave	924	Los Angeles	4	0.70	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
1931	BI511A	24	W Upland Ave	782	Los Angeles	4	0.59	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
1932	BI511A	25		148	Los Angeles	1	0.03	Alley	20	4	4	2	9	0.27	2	8	LOW			LA LB Harbor	
1933	BI511A	26	W Channel St	399	Los Angeles	4	0.30	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
1934	BI511A	27	N Meyler St	249	Los Angeles	4	0.19	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
1935	BI511A	28	S Herbert Ave	345	Los Angeles	4	0.26	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
1936	BI511A	29	W Channel St	338	Los Angeles	4	0.26	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
1937	BI511D	1	N Gaffey St	1191	Los Angeles	6	1.35	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
1938	BI511D	2	W Summerland Ave	546	Los Angeles	4	0.41	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
1939	BI511D	3	W Summerland Pl	214	Los Angeles	4	0.16	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
1940	BI511D	4	N Cabrillo Ave	1300	Los Angeles	4	0.98	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1941	BI511D	5	N Grand Ave	88	Los Angeles	4	0.07	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1942	BI511D	6	N Marshall Ct	472	Los Angeles	4	0.36	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1943	BI511D	7	N Parker St	0	Los Angeles	4	0.00	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1944	BI511D	8	W Elberon Ave	24	Los Angeles	4	0.02	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1945	BI511D	9	W Ofarrell St	372	Los Angeles	4	0.28	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1946	BI511D	10	W Oliver St	858	Los Angeles	4	0.65	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1947	BI511D	11	W Santa Cruz St	1023	Los Angeles	4	0.77	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1948	BI511D	12	W Sepulveda St	1041	Los Angeles	4	0.79	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1949	BI511D	13	W Summerland Ave	534	Los Angeles	4	0.40	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
1950	BI511D	14		1102	Los Angeles	1	0.21	Alley	20	4	2	6	9	0.27	2	12	LOW			LA LB Harbor	
1952	BI511D	16	Bonita St	338	Los Angeles	4	0.26	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1953	BI511D	17	N Gaffey Pl	216	Los Angeles	4	0.16	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1954	BI511D	18	N Grand Ave	651	Los Angeles	4	0.49	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1955	BI511D	19	Termino Ave	327	Los Angeles	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1956	BI511D	20	W Elberon Ave	19	Los Angeles	4	0.01	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1957	BI511D	21	W Ofarrell St	1242	Los Angeles	4	0.94	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1958	BI511D	22	W Oliver St	1159	Los Angeles	4	0.88	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
1959	BI511D	23		1134	Los Angeles	1	0.21	Alley	20	4	2	6	13	0.45	6	16	MED			LA LB Harbor	
1960	BI511D	24	N Front St	24	Los Angeles	6	0.03	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			LA LB Harbor	
1961	BI511D	25	N Pacific Ave	52	Los Angeles	6	0.06	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			LA LB Harbor	
1962	BI511D	26	W Summerland Ave	156	Los Angeles	4	0.12	Secondary-Collector	64	8	3	4	4	0.4	5	17	MED			LA LB Harbor	
1963	BI511D	27	N Meyler St	867	Los Angeles	4	0.66	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1964	BI511D	28	N Patton Ave	321	Los Angeles	4	0.24	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1965	BI511D	29	W Oliver St	406	Los Angeles	4	0.31	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1966	BI511D	30	W Santa Cruz St	253	Los Angeles	4	0.19	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1967	BI511D	31	W Sepulveda St	666	Los Angeles	4	0.50	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
1968	BI511D	32		1462	Los Angeles	1	0.28	Alley	20	4	3	4	4	0.4	5	13	LOW			LA LB Harbor	
1969	BI511D	33	W Summerland Ave	329	Los Angeles	4	0.25	Secondary-Collector	64	8	3	4	9	0.27	2	14	LOW			LA LB Harbor	
1970	BI511D	34	N Cabrillo Ave	203	Los Angeles	4	0.15	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1971	BI511D	35	N Marshall Ct	201	Los Angeles	4	0.15	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1972	BI511D	36	N Meyler St	343	Los Angeles	4	0.26	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1973	BI511D	37	N Parker St	205	Los Angeles	4	0.16	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1974	BI511D	38	W Oliver St	331	Los Angeles	4	0.25	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1975	BI511D	39	W Santa Cruz St	43	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1976	BI511D	40	W Sepulveda St	71	Los Angeles	4	0.05	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
1977	BI511D	41		1095	Los Angeles	1	0.21	Alley	20	4	3	4	9	0.27	2	10	LOW			LA LB Harbor	
1979	BI511D	43	Bonita St	158	Los Angeles	4	0.12	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
1980	BI511D	44	N Gaffey Pl	861	Los Angeles	4	0.65	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
1981	BI511D	45	W Crestwood Ave	189	Los Angeles	4	0.14	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
1982	BI511D	46	W Macarthur Ave	335	Los Angeles	4	0.25	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
1983	BI511D	47	W Oliver St	427	Los Angeles	4	0.32	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
1984	BI511D	48	W Upland Ave	148	Los Angeles	4	0.11	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
1985	BI511D	49		310	Los Angeles	1	0.06	Alley	20	4	3	4	13	0.45	6	14	LOW			LA LB Harbor	
1986	BI511D	50	N Gaffey Pl	21	Los Angeles	4	0.02	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
1987	BI511D	51	W Macarthur Ave	159	Los Angeles	4	0.12	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
1988	BI511D	52	N Front St	114	Los Angeles	6	0.13	Primary-Arterial	100	10	4	2	3	0.77	9	21	HIGH			LA LB Harbor	
1989	BI511D	53	N Pacific Ave	285	Los Angeles	6	0.32	Primary-Arterial	100	10	4	2	3	0.77	9	21	HIGH			LA LB Harbor	
1990	BI511D	54		55	Los Angeles	4	0.04	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1991	BI511D	55	Knoll Dr	55	Los Angeles	4	0.04	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1992	BI511D	56	N Grand Ave	105	Los Angeles	4	0.08	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1993	BI511D	57	Shields Dr	65	Los Angeles	4	0.05	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1994	BI511D	58	W Elberon Ave	187	Los Angeles	4	0.14	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1995	BI511D	59	W Macarthur Ave	388	Los Angeles	4	0.29	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1996	BI511D	60	W Summerland Ave	263	Los Angeles	4	0.20	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
1997	BI511D	61	W Summerland Ave	266	Los Angeles	4	0.20	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
1998	BI511D	62	N Bandini St	1083	Los Angeles	4	0.82	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
1999	BI511D	63	N Harbor View Ave	222	Los Angeles	4	0.17	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2000	BI511D	64	N Walker Ave	333	Los Angeles	4	0.25	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2001	BI511D	65	W Ofarrell St	155	Los Angeles	4	0.12	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2002	BI511D	66	W Oliver St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2003	BI511D	67	W Santa Cruz St	10	Los Angeles	4	0.01	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2004	BI511D	68	W Sepulveda St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2005	BI511D	69		1125	Los Angeles	1	0.21	Alley	20	4	4	2	4	0.4	5	11	LOW			LA LB Harbor	
2006	BI511D	70	N Pacific Ave	177	Los Angeles	6	0.20	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			LA LB Harbor	
2007	BI511D	71	W Elberon Ave	74	Los Angeles	4	0.06	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2008	BI511D	72	N Pacific Ave	518	Los Angeles	6	0.59	Primary-Arterial	100	10	4	2	16	0.36	4	16	MED			LA LB Harbor	
2009	BI511D	73	N Grand Ave	600	Los Angeles	4	0.45	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2010	BI511D	74	Shields Dr	70	Los Angeles	4	0.05	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2011	BI511D	75	W Elberon Ave	379	Los Angeles	4	0.29	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2012	BI511D	76	W Macarthur Ave	510	Los Angeles	4	0.39	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2013	BI511D	77	W Summerland Ave	338	Los Angeles	4	0.26	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2014	BI511D	78	W Upland Ave	649	Los Angeles	4	0.49	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2015	BI512A	1	S Leland St	882	Los Angeles	4	0.67	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2016	BI512A	2	S Meyler St	917	Los Angeles	4	0.69	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2017	BI512A	3	W 11th St	346	Los Angeles	4	0.26	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2018	BI512A	4	W 12th St	337	Los Angeles	4	0.26	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2019	BI512A	5	W 13th St	507	Los Angeles	4	0.38	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2020	BI512A	6	W 22nd St	737	Los Angeles	4	0.56	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2021	BI512A	7	S Gaffey St	773	Los Angeles	6	0.88	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			LA LB Harbor	
2023	BI512A	9	W 19th St	862	Los Angeles	4	0.65	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			LA LB Harbor	
2024	BI512A	10	S Cabrillo Ave	553	Los Angeles	4	0.42	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2025	BI512A	11	S Grand Ave	2534	Los Angeles	4	1.92	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2026	BI512A	12	W 11th St	435	Los Angeles	4	0.33	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2027	BI512A	13	W 12th St	688	Los Angeles	4	0.52	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2028	BI512A	14	W 13th St	880	Los Angeles	4	0.67	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2029	BI512A	15	W 14th St	930	Los Angeles	4	0.70	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2030	BI512A	16	W 15th St	905	Los Angeles	4	0.69	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2031	BI512A	17	W 16th St	928	Los Angeles	4	0.70	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2032	BI512A	18	W 17th St	943	Los Angeles	4	0.71	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2033	BI512A	19	W 18th St	929	Los Angeles	4	0.70	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2034	BI512A	20	W 19th St	57	Los Angeles	4	0.04	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2035	BI512A	21	W 20th St	1391	Los Angeles	4	1.05	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2036	BI512A	22	W 21st St	1474	Los Angeles	4	1.12	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
2037	BI512A	23		12557	Los Angeles	1	2.38	Alley	20	4	1	8	9	0.27	2	14	LOW			LA LB Harbor	
2038	BI512A	24	W 23rd St	737	Los Angeles	4	0.56	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2039	BI512A	25	W 24th St	737	Los Angeles	4	0.56	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
2040	BI512A	26		1460	Los Angeles	1	0.28	Alley	20	4	2	6	4	0.4	5	15	MED			LA LB Harbor	
2041	BI512A	27	S Gaffey St	1862	Los Angeles	6	2.12	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
2042	BI512A	28	S Pacific Ave	882	Los Angeles	6	1.00	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
2043	BI512A	29	S Mesa St	294	Los Angeles	4	0.22	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
2044	BI512A	30	W 22nd St	795	Los Angeles	4	0.60	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
2045	BI512A	31	Barbour Ct	334	Los Angeles	4	0.25	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2046	BI512A	32	Harbor View Ter	40	Los Angeles	4	0.03	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2047	BI512A	33	N Smallwood Dr	200	Los Angeles	4	0.15	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2048	BI512A	34	Old E Fort Rd	120	Los Angeles	4	0.09	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2049	BI512A	35	Old W Fort Rd	538	Los Angeles	4	0.41	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2050	BI512A	36	Quartermaster Rd	19	Los Angeles	4	0.01	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2051	BI512A	37	S Cabrillo Ave	1241	Los Angeles	4	0.94	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2052	BI512A	38	S Mesa St	556	Los Angeles	4	0.42	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2053	BI512A	39	S Parker St	210	Los Angeles	4	0.16	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2054	BI512A	40	Via Cabrillo Marina	17	Los Angeles	4	0.01	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2055	BI512A	41	W 11th St	784	Los Angeles	4	0.59	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2056	BI512A	42	W 12th St	606	Los Angeles	4	0.46	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2057	BI512A	43	W 13th St	310	Los Angeles	4	0.24	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2058	BI512A	44	W 14th St	1474	Los Angeles	4	1.12	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2059	BI512A	45	W 15th St	1146	Los Angeles	4	0.87	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2060	BI512A	46	W 16th St	1146	Los Angeles	4	0.87	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2061	BI512A	47	W 17th St	737	Los Angeles	4	0.56	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2062	BI512A	48	W 18th St	737	Los Angeles	4	0.56	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2063	BI512A	49	W 21st St	56	Los Angeles	4	0.04	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2064	BI512A	50	W 22nd St	363	Los Angeles	4	0.28	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2065	BI512A	51	W 23rd St	123	Los Angeles	4	0.09	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2066	BI512A	52	W Hamilton Ave	130	Los Angeles	4	0.10	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2067	BI512A	53		7619	Los Angeles	1	1.44	Alley	20	4	2	6	9	0.27	2	12	LOW			LA LB Harbor	
2068	BI512A	54	S Western Ave	524	Los Angeles	6	0.60	Primary-Arterial	100	10	3	4	4	0.4	5	19	MED			LA LB Harbor	
2069	BI512A	55	Aldine Ct	37	Los Angeles	4	0.03	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2070	BI512A	56	S Alma St	1546	Los Angeles	4	1.17	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2071	BI512A	57	S Leland St	551	Los Angeles	4	0.42	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2072	BI512A	58	S Meyler St	119	Los Angeles	4	0.09	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2073	BI512A	59	S Walker Ave	1149	Los Angeles	4	0.87	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2074	BI512A	60	W 11th St	446	Los Angeles	4	0.34	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2075	BI512A	61	W 12th St	1058	Los Angeles	4	0.80	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2076	BI512A	62	W 13th St	2256	Los Angeles	4	1.71	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2077	BI512A	63	W 14th St	700	Los Angeles	4	0.53	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2078	BI512A	64	W 20th St	303	Los Angeles	4	0.23	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2079	BI512A	65	W 22nd St	1474	Los Angeles	4	1.12	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2080	BI512A	66	W 23rd St	1474	Los Angeles	4	1.12	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2081	BI512A	67	W 24th St	1474	Los Angeles	4	1.12	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2082	BI512A	68		5575	Los Angeles	1	1.06	Alley	20	4	3	4	4	0.4	5	13	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2083	BI512A	69	S Pacific Ave	1239	Los Angeles	6	1.41	Primary-Arterial	100	10	3	4	9	0.27	2	16	MED			LA LB Harbor	
2084	BI512A	70	W 22nd St	737	Los Angeles	4	0.56	Secondary-Collector	64	8	3	4	9	0.27	2	14	LOW			LA LB Harbor	
2085	BI512A	71		75	Los Angeles	4	0.06	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2086	BI512A	72	Harbor View Ter	113	Los Angeles	4	0.09	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2087	BI512A	73	Meyler Rd	226	Los Angeles	4	0.17	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2088	BI512A	74	N Smallwood Dr	149	Los Angeles	4	0.11	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2089	BI512A	75	Oceanview Ter	190	Los Angeles	4	0.14	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2090	BI512A	76	Officers Rd	398	Los Angeles	4	0.30	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2091	BI512A	77	Quartermaster Rd	619	Los Angeles	4	0.47	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2092	BI512A	78	S Denison Ave	114	Los Angeles	4	0.09	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2093	BI512A	79	S Grand Ave	882	Los Angeles	4	0.67	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2094	BI512A	80	S Parker St	120	Los Angeles	4	0.09	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2095	BI512A	81	W 14th St	37	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2096	BI512A	82	W 23rd St	737	Los Angeles	4	0.56	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2097	BI512A	83	W 24th St	467	Los Angeles	4	0.35	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2098	BI512A	84	W 26th St	123	Los Angeles	4	0.09	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2099	BI512A	85	W 28th St	354	Los Angeles	4	0.27	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2100	BI512A	86	W Hamilton Ave	538	Los Angeles	4	0.41	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2101	BI512A	87		2710	Los Angeles	1	0.51	Alley	20	4	3	4	9	0.27	2	10	LOW			LA LB Harbor	
2102	BI512A	88	N Western Ave	37	Los Angeles	6	0.04	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	
2103	BI512A	89	S Western Ave	475	Los Angeles	6	0.54	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	
2104	BI512A	90	W 9th St	151	Los Angeles	6	0.17	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	
2105	BI512A	91	S Weymouth Ave	343	Los Angeles	4	0.26	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
2106	BI512A	92	W 19th St	203	Los Angeles	4	0.15	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
2107	BI512A	93	W 6th St	121	Los Angeles	4	0.09	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
2108	BI512A	94		619	Los Angeles	4	0.47	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2109	BI512A	95	Constellation Wy	410	Los Angeles	4	0.31	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2110	BI512A	96	Elanita Dr	1910	Los Angeles	4	1.45	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2111	BI512A	97	Mirabeau Ave	30	Los Angeles	4	0.02	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2112	BI512A	98	N Ellery Dr	344	Los Angeles	4	0.26	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2113	BI512A	99	N Ellery Pl	135	Los Angeles	4	0.10	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2114	BI512A	100	Orbit Ln	169	Los Angeles	4	0.13	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2115	BI512A	101	Perigee Cir	314	Los Angeles	4	0.24	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2116	BI512A	102	S Alma St	446	Los Angeles	4	0.34	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2117	BI512A	103	S Averill Ave	830	Los Angeles	4	0.63	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2118	BI512A	104	S Carolina St	499	Los Angeles	4	0.38	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2119	BI512A	105	S Kerckhoff Ave	68	Los Angeles	4	0.05	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2120	BI512A	106	S Leland St	1764	Los Angeles	4	1.34	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2121	BI512A	107	S Patton Ave	1131	Los Angeles	4	0.86	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2122	BI512A	108	S Walker Ave	1764	Los Angeles	4	1.34	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2123	BI512A	109	W 10th St	149	Los Angeles	4	0.11	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2124	BI512A	110	W 13th St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2125	BI512A	111	W 14th St	2211	Los Angeles	4	1.67	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2126	BI512A	112	W 15th St	1936	Los Angeles	4	1.47	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2127	BI512A	113	W 16th St	1264	Los Angeles	4	0.96	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2128	BI512A	114	W 1st St	537	Los Angeles	4	0.41	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2129	BI512A	115	W 20th St	1949	Los Angeles	4	1.48	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2130	BI512A	116	W 21st St	1485	Los Angeles	4	1.13	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2131	BI512A	117	W 22nd St	646	Los Angeles	4	0.49	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2132	BI512A	118	W 23rd St	86	Los Angeles	4	0.07	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2133	BI512A	119	W 24th St	87	Los Angeles	4	0.07	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2134	BI512A	120	W 26th St	292	Los Angeles	4	0.22	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2135	BI512A	121	W 5th St	145	Los Angeles	4	0.11	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2136	BI512A	122	W 7th St	152	Los Angeles	4	0.12	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2137	BI512A	123	W Hamilton Ave	35	Los Angeles	4	0.03	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2138	BI512A	124	W Santa Cruz St	922	Los Angeles	4	0.70	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2139	BI512A	125		8527	Los Angeles	1	1.62	Alley	20	4	4	2	4	0.4	5	11	LOW			LA LB Harbor	
2140	BI512A	126	S Gaffey St	882	Los Angeles	6	1.00	Primary-Arterial	100	10	4	2	9	0.27	2	14	LOW			LA LB Harbor	
2141	BI512A	127	W 19th St	737	Los Angeles	4	0.56	Secondary-Collector	64	8	4	2	9	0.27	2	12	LOW			LA LB Harbor	
2142	BI512A	128	Oceanview Ter	206	Los Angeles	4	0.16	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2143	BI512A	129	S Cabrillo Ave	882	Los Angeles	4	0.67	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2144	BI512A	130	S Denison Ave	896	Los Angeles	4	0.68	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2145	BI512A	131	S Grand Ave	16	Los Angeles	4	0.01	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2146	BI512A	132	S Kerckhoff Ave	246	Los Angeles	4	0.19	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2147	BI512A	133	W 17th St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2148	BI512A	134	W 18th St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2149	BI512A	135	W 20th St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2150	BI512A	136	W 21st St	737	Los Angeles	4	0.56	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2151	BI512A	137	W 26th St	445	Los Angeles	4	0.34	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2152	BI512A	138	W Hamilton Ave	215	Los Angeles	4	0.16	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2153	BI512A	139		5076	Los Angeles	1	0.96	Alley	20	4	4	2	9	0.27	2	8	LOW			LA LB Harbor	
2823	BI79	1	W Channel St	281	Los Angeles	4	0.21	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
2824	BI79	2	Barrywood Ave	254	Los Angeles	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
2825	BI79	3	Millmark Grove St	123	Los Angeles	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
2827	BI79	5	W Capitol Dr	765	Los Angeles	4	0.58	Secondary-Collector	64	8	0	10	16	0.36	4	22	HIGH			LA LB Harbor	
2828	BI79	6	Barhugh Pl	7	Los Angeles	4	0.01	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			LA LB Harbor	
2829	BI79	7	Barrywood Ave	914	Los Angeles	4	0.69	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			LA LB Harbor	
2830	BI79	8	Bejay Pl	46	Los Angeles	4	0.03	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			LA LB Harbor	
2831	BI79	9	Eastman Pl	85	Los Angeles	4	0.06	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			LA LB Harbor	
2832	BI79	10		530	Los Angeles	6	0.60	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
2833	BI79	11	John S Gibson Blvd	530	Los Angeles	6	0.60	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
2834	BI79	12	N Pacific Ave	34	Los Angeles	6	0.04	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
2835	BI79	13	W Channel St	95	Los Angeles	4	0.07	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
2836	BI79	14	Casey Pl	77	Los Angeles	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
2837	BI79	15		351	Los Angeles	6	0.40	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			LA LB Harbor	
2838	BI79	16	John S Gibson Blvd	351	Los Angeles	6	0.40	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			LA LB Harbor	
2840	BI79	18		880	Los Angeles	4	0.67	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
2841	BI79	19	Gatun St	200	Los Angeles	4	0.15	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
2842	BI79	20	Road A	35	Los Angeles	4	0.03	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
2843	BI79	21	Westmont Dr	224	Los Angeles	4	0.17	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
2844	BI79	22		104	Los Angeles	6	0.12	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
2845	BI79	23	N Gaffey St	620	Los Angeles	6	0.70	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
2846	BI79	24	W Summerland Pl	85	Los Angeles	4	0.06	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
2847	BI79	25	N Cabrillo Ave	192	Los Angeles	4	0.15	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2848	BI79	26	Barhugh Pl	744	Los Angeles	4	0.56	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2849	BI79	27	Barrywood Ave	472	Los Angeles	4	0.36	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2850	BI79	28	Bejay Pl	374	Los Angeles	4	0.28	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2851	BI79	29	Bolker Pl	518	Los Angeles	4	0.39	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2852	BI79	30	Casey Pl	553	Los Angeles	4	0.42	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2853	BI79	31	Gatun St	803	Los Angeles	4	0.61	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2854	BI79	32	Westmont Dr	472	Los Angeles	4	0.36	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
2855	BI79	33	W Elberon Ave	801	Los Angeles	4	0.61	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
2856	BI79	34	Western Ave	112	Los Angeles	6	0.13	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
2857	BI79	35		1251	Los Angeles	4	0.95	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2858	BI79	36	Amelia Ave	857	Los Angeles	4	0.65	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2859	BI79	37	Bardale Ave	73	Los Angeles	4	0.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2860	BI79	38	Bloomwood Rd	510	Los Angeles	4	0.39	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2861	BI79	39	Casey Pl	44	Los Angeles	4	0.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2862	BI79	40	Dalmatia Dr	1005	Los Angeles	4	0.76	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2863	BI79	41	Eastman Pl	123	Los Angeles	4	0.09	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2864	BI79	42	Englander St	994	Los Angeles	4	0.75	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2865	BI79	43	Jack Pl	58	Los Angeles	4	0.04	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2866	BI79	44	John Montgomery Dr	812	Los Angeles	4	0.61	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2867	BI79	45	Millmark Grove St	603	Los Angeles	4	0.46	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2868	BI79	46	Mount Shasta Dr	948	Los Angeles	4	0.72	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2869	BI79	47	N Gaffey Pl	98	Los Angeles	4	0.07	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2870	BI79	48	N Taper Ave	1085	Los Angeles	4	0.82	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2871	BI79	49	Roseglen Ave	326	Los Angeles	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2872	BI79	50	Samuel Dupont Ave	145	Los Angeles	4	0.11	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2873	BI79	51	Sandwood Pl	1040	Los Angeles	4	0.79	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2874	BI79	52	Statler St	1774	Los Angeles	4	1.34	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2875	BI79	53	Stonewood Ct	236	Los Angeles	4	0.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2876	BI79	54	W Elberon Ave	165	Los Angeles	4	0.12	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2877	BI79	55	Westmont Dr	1097	Los Angeles	4	0.83	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
2878	BI79	56		925	Los Angeles	1	0.18	Alley	20	4	2	6	13	0.45	6	16	MED			LA LB Harbor	
2880	BI79	58	W Capitol Dr	80	Los Angeles	4	0.06	Secondary-Collector	64	8	2	6	14	0.81	10	24	HIGH			LA LB Harbor	
2881	BI79	59		548	Los Angeles	4	0.42	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
2882	BI79	60	W Basin St	298	Los Angeles	4	0.23	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
2883	BI79	61	W Battery St	453	Los Angeles	4	0.34	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
2884	BI79	62		298	Los Angeles	1	0.06	Alley	20	4	2	6	14	0.81	10	20	HIGH			LA LB Harbor	
2886	BI79	64	W Capitol Dr	148	Los Angeles	4	0.11	Secondary-Collector	64	8	2	6	16	0.36	4	18	MED			LA LB Harbor	
2887	BI79	65	Amelia Ave	32	Los Angeles	4	0.02	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2888	BI79	66	Barhugh Pl	252	Los Angeles	4	0.19	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2889	BI79	67	Barrywood Ave	240	Los Angeles	4	0.18	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2890	BI79	68	Bejay Pl	370	Los Angeles	4	0.28	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2891	BI79	69	Bloomwood Rd	11	Los Angeles	4	0.01	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2892	BI79	70	Eastman Pl	622	Los Angeles	4	0.47	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2893	BI79	71	Millmark Grove St	145	Los Angeles	4	0.11	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2894	BI79	72	N Taper Ave	704	Los Angeles	4	0.53	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2895	BI79	73	Roseglen Ave	569	Los Angeles	4	0.43	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2896	BI79	74	Statler St	40	Los Angeles	4	0.03	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2897	BI79	75	W Battery St	77	Los Angeles	4	0.06	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2898	BI79	76	W Channel St	456	Los Angeles	4	0.35	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2899	BI79	77	Werbel Pl	372	Los Angeles	4	0.28	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2900	BI79	78	Westmont Dr	1205	Los Angeles	4	0.91	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
2901	BI79	79		296	Los Angeles	1	0.06	Alley	20	4	2	6	16	0.36	4	14	LOW			LA LB Harbor	
2902	BI79	80	N Pacific Ave	273	Los Angeles	6	0.31	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			LA LB Harbor	
2903	BI79	81	W Summerland Ave	153	Los Angeles	4	0.12	Secondary-Collector	64	8	3	4	4	0.4	5	17	MED			LA LB Harbor	
2904	BI79	82	W Elberon Ave	28	Los Angeles	4	0.02	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
2905	BI79	83		89	Los Angeles	1	0.02	Alley	20	4	3	4	4	0.4	5	13	LOW			LA LB Harbor	
2906	BI79	84		56	Los Angeles	6	0.06	Primary-Arterial	100	10	3	4	9	0.27	2	16	MED			LA LB Harbor	
2907	BI79	85	N Gaffey St	56	Los Angeles	6	0.06	Primary-Arterial	100	10	3	4	9	0.27	2	16	MED			LA LB Harbor	
2908	BI79	86	W Summerland Ave	99	Los Angeles	4	0.07	Secondary-Collector	64	8	3	4	9	0.27	2	14	LOW			LA LB Harbor	
2909	BI79	87	N Cabrillo Ave	387	Los Angeles	4	0.29	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2910	BI79	88	N Meyler St	388	Los Angeles	4	0.29	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2911	BI79	89	W Crestwood Ave	409	Los Angeles	4	0.31	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2912	BI79	90	W Elberon Ave	312	Los Angeles	4	0.24	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2913	BI79	91	W Upland Ave	179	Los Angeles	4	0.14	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
2914	BI79	92		198	Los Angeles	1	0.04	Alley	20	4	3	4	9	0.27	2	10	LOW			LA LB Harbor	
2915	BI79	93		831	Los Angeles	6	0.94	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			LA LB Harbor	
2916	BI79	94	N Gaffey St	831	Los Angeles	6	0.94	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			LA LB Harbor	
2917	BI79	95	Western Ave	381	Los Angeles	6	0.43	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2918	BI79	96	W Capitol Dr	450	Los Angeles	4	0.34	Secondary-Collector	64	8	3	4	13	0.45	6	18	MED			LA LB Harbor	
2919	BI79	97		6279	Los Angeles	4	4.76	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2920	BI79	98	Amelia Ave	426	Los Angeles	4	0.32	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2921	BI79	99	Bardale Ave	911	Los Angeles	4	0.69	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2922	BI79	100	Bejay Pl	103	Los Angeles	4	0.08	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2923	BI79	101	Bloomwood Rd	351	Los Angeles	4	0.27	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2924	BI79	102	Dalmatia Dr	84	Los Angeles	4	0.06	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2925	BI79	103	Eastman Pl	111	Los Angeles	4	0.08	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2926	BI79	104	Fitness Dr	97	Los Angeles	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2927	BI79	105	Gatun St	499	Los Angeles	4	0.38	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2928	BI79	106	John Montgomery Dr	2415	Los Angeles	4	1.83	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2929	BI79	107	John Sloat Pl	1436	Los Angeles	4	1.09	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2930	BI79	108	Millmark Grove St	742	Los Angeles	4	0.56	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2931	BI79	109	Mount Shasta Dr	510	Los Angeles	4	0.39	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2932	BI79	110	N Cabrillo Ave	194	Los Angeles	4	0.15	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2933	BI79	111	N Meyler St	294	Los Angeles	4	0.22	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2934	BI79	112	N Taper Ave	645	Los Angeles	4	0.49	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2935	BI79	113	Robert Stockton Pl	1289	Los Angeles	4	0.98	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2936	BI79	114	Roseglen Ave	674	Los Angeles	4	0.51	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2937	BI79	115	Samuel Dupont Ave	1183	Los Angeles	4	0.90	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2938	BI79	116	Sandwood Pl	315	Los Angeles	4	0.24	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2939	BI79	117	Stonewood Ct	2149	Los Angeles	4	1.63	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2940	BI79	118	W Crestwood Ave	99	Los Angeles	4	0.07	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2941	BI79	119	W Macarthur Ave	84	Los Angeles	4	0.06	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2942	BI79	120	W Upland Ave	276	Los Angeles	4	0.21	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2943	BI79	121	Westmont Dr	1419	Los Angeles	4	1.08	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
2944	BI79	122		244	Los Angeles	6	0.28	Primary-Arterial	100	10	3	4	14	0.81	10	24	HIGH			LA LB Harbor	
2945	BI79	123	John S Gibson Blvd	244	Los Angeles	6	0.28	Primary-Arterial	100	10	3	4	14	0.81	10	24	HIGH			LA LB Harbor	
2946	BI79	124		1124	Los Angeles	4	0.85	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
2947	BI79	125	Road A	600	Los Angeles	4	0.45	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
2948	BI79	126	W Basin St	35	Los Angeles	4	0.03	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
2949	BI79	127		7	Los Angeles	1	0.00	Alley	20	4	3	4	14	0.81	10	18	MED			LA LB Harbor	
2950	BI79	128	W Capitol Dr	339	Los Angeles	4	0.26	Secondary-Collector	64	8	3	4	16	0.36	4	16	MED			LA LB Harbor	
2951	BI79	129		198	Los Angeles	4	0.15	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2952	BI79	130	Amelia Ave	392	Los Angeles	4	0.30	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2953	BI79	131	Bardale Ave	473	Los Angeles	4	0.36	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2954	BI79	132	Bejay Pl	78	Los Angeles	4	0.06	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2955	BI79	133	Gatun St	578	Los Angeles	4	0.44	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2956	BI79	134	Mount Shasta Dr	327	Los Angeles	4	0.25	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2957	BI79	135	N Cabrillo Ave	817	Los Angeles	4	0.62	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2958	BI79	136	N Meyler St	359	Los Angeles	4	0.27	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2959	BI79	137	N Natchez Pl	109	Los Angeles	4	0.08	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2960	BI79	138	Natchez St	422	Los Angeles	4	0.32	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2961	BI79	139	Paraiso St	706	Los Angeles	4	0.54	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2962	BI79	140	W Basin St	391	Los Angeles	4	0.30	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2963	BI79	141	W Battery St	371	Los Angeles	4	0.28	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2964	BI79	142	W Channel St	373	Los Angeles	4	0.28	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2965	BI79	143	Werbel Pl	443	Los Angeles	4	0.34	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
2966	BI79	144		735	Los Angeles	1	0.14	Alley	20	4	3	4	16	0.36	4	12	LOW			LA LB Harbor	
2967	BI79	145	N Pacific Ave	957	Los Angeles	6	1.09	Primary-Arterial	100	10	4	2	3	0.77	9	21	HIGH			LA LB Harbor	
2968	BI79	146	N Grand Ave	65	Los Angeles	4	0.05	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
2969	BI79	147	Shields Dr	556	Los Angeles	4	0.42	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
2970	BI79	148	N Bandini St	294	Los Angeles	4	0.22	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
2971	BI79	149	W Elberon Ave	272	Los Angeles	4	0.21	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2972	BI79	150	N Meyler St	213	Los Angeles	4	0.16	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2973	BI79	151	W Crestwood Ave	340	Los Angeles	4	0.26	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2974	BI79	152	W Upland Ave	327	Los Angeles	4	0.25	Minor-Local	60	6	4	2	9	0.27	2	10	LOW			LA LB Harbor	
2975	BI79	153	Western Ave	14	Los Angeles	6	0.02	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			LA LB Harbor	
2976	BI79	154	W Capitol Dr	1604	Los Angeles	4	1.22	Secondary-Collector	64	8	4	2	13	0.45	6	16	MED			LA LB Harbor	
2977	BI79	155		1877	Los Angeles	4	1.42	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2978	BI79	156	Amelia Ave	162	Los Angeles	4	0.12	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2979	BI79	157	Bloomwood Rd	936	Los Angeles	4	0.71	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2980	BI79	158	John Montgomery Dr	793	Los Angeles	4	0.60	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2981	BI79	159	John Sloat Pl	199	Los Angeles	4	0.15	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2982	BI79	160	N Meyler St	152	Los Angeles	4	0.12	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2983	BI79	161	N Park Western Dr	967	Los Angeles	4	0.73	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2984	BI79	162	N Taper Ave	1044	Los Angeles	4	0.79	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2985	BI79	163	Roseglen Ave	105	Los Angeles	4	0.08	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2986	BI79	164	Samuel Dupont Ave	401	Los Angeles	4	0.30	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2987	BI79	165	Sandwood Pl	447	Los Angeles	4	0.34	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2988	BI79	166	Stonewood Ct	797	Los Angeles	4	0.60	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2989	BI79	167	Via La Paz	387	Los Angeles	4	0.29	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2990	BI79	168	W Basin St	356	Los Angeles	4	0.27	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2991	BI79	169	W Battery St	356	Los Angeles	4	0.27	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2992	BI79	170	Westmont Dr	746	Los Angeles	4	0.56	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			LA LB Harbor	
2993	BI79	171	W Capitol Dr	424	Los Angeles	4	0.32	Secondary-Collector	64	8	4	2	16	0.36	4	14	LOW			LA LB Harbor	
2994	BI79	172	Gatun St	102	Los Angeles	4	0.08	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2995	BI79	173	N Meyler St	673	Los Angeles	4	0.51	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2996	BI79	174	N Park Western Dr	102	Los Angeles	4	0.08	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2997	BI79	175	Natchez St	144	Los Angeles	4	0.11	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2998	BI79	176	Via La Paz	211	Los Angeles	4	0.16	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
2999	BI79	177	W Basin St	383	Los Angeles	4	0.29	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
3000	BI79	178	W Battery St	174	Los Angeles	4	0.13	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
3070	BI9813	1		1654	Los Angeles	1	0.31	Alley	20	4	0	10	10	0.74	8	22	HIGH			LA LB Harbor	
3073	BI9813	4	Broad Ave	755	Los Angeles	4	0.57	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3074	BI9813	5	E Chandler St	461	Los Angeles	4	0.35	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3075	BI9813	6	E Don St	518	Los Angeles	4	0.39	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3077	BI9813	8	Lakme Ave	607	Los Angeles	4	0.46	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3078	BI9813	9	N Banning Blvd	597	Los Angeles	4	0.45	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			LA LB Harbor	
3082	BI9813	13		3260	Los Angeles	4	2.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3084	BI9813	15	Frigate Ave	1956	Los Angeles	4	1.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3085	BI9813	16	King Ave	631	Los Angeles	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3086	BI9813	17	L St	328	Los Angeles	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3087	BI9813	18	Lagoon Dr	659	Los Angeles	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3089	BI9813	20	W Grant St	1213	Los Angeles	4	0.92	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3090	BI9813	21	W L St	1890	Los Angeles	4	1.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3091	BI9813	22	W M St	296	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3092	BI9813	23	W Opp St	2	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3093	BI9813	24	W Papeete St	1814	Los Angeles	4	1.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3094	BI9813	25	W Robidoux St	676	Los Angeles	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3095	BI9813	26	W Young St	1270	Los Angeles	4	0.96	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			LA LB Harbor	
3096	BI9813	27		2242	Los Angeles	1	0.42	Alley	20	4	0	10	13	0.45	6	20	HIGH			LA LB Harbor	
3099	BI9813	30	Avalon Blvd	5	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3102	BI9813	33	Lomita Blvd	838	Los Angeles	6	0.95	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3105	BI9813	36	W Anaheim St	337	Los Angeles	6	0.38	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3106	BI9813	37		127	Los Angeles	4	0.10	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3107	BI9813	38	Baypoint Ave	26	Los Angeles	4	0.02	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3110	BI9813	41	E 249th St	26	Los Angeles	4	0.02	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3111	BI9813	42	E Chandler St	55	Los Angeles	4	0.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3112	BI9813	43	E M St	738	Los Angeles	4	0.56	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3113	BI9813	44	E N St	785	Los Angeles	4	0.59	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3114	BI9813	45	E O St	360	Los Angeles	4	0.27	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3116	BI9813	47	E Sandison St	487	Los Angeles	4	0.37	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3117	BI9813	48	Eubank Ave	402	Los Angeles	4	0.30	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3119	BI9813	50	Frigate Ave	1073	Los Angeles	4	0.81	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3120	BI9813	51	Hawaiian Ave	1070	Los Angeles	4	0.81	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3121	BI9813	52	King Ave	1873	Los Angeles	4	1.42	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3122	BI9813	53	Lakme Ave	2321	Los Angeles	4	1.76	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3123	BI9813	54	N Banning Blvd	1991	Los Angeles	4	1.51	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3127	BI9813	58	N Lagoon Ave	4387	Los Angeles	4	3.32	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3129	BI9813	60	N McDonald Ave	5138	Los Angeles	4	3.89	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3130	BI9813	61	N Neptune Ave	4032	Los Angeles	4	3.05	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3132	BI9813	63	N Ronan Ave	5122	Los Angeles	4	3.88	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3133	BI9813	64	Ronan Ave	531	Los Angeles	4	0.40	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3134	BI9813	65	S Fries Ave	10	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3135	BI9813	66	S Island Ave	9	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3136	BI9813	67	W Chandler St	62	Los Angeles	4	0.05	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3137	BI9813	68	W Cruces St	46	Los Angeles	4	0.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3139	BI9813	70	W Dolores St	55	Los Angeles	4	0.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3140	BI9813	71	W Don St	66	Los Angeles	4	0.05	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3141	BI9813	72	W Grant St	49	Los Angeles	4	0.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3142	BI9813	73	W I St	2309	Los Angeles	4	1.75	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3144	BI9813	75	W Lowen St	47	Los Angeles	4	0.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3146	BI9813	77	W Mauretania St	49	Los Angeles	4	0.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3148	BI9813	79	W Papeete St	56	Los Angeles	4	0.04	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3151	BI9813	82	W Robidoux St	188	Los Angeles	4	0.14	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3153	BI9813	84		19282	Los Angeles	1	3.65	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
3183	BI9830	1	E C St	452	Los Angeles	4	0.34	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
3184	BI9830	2	E D St	815	Los Angeles	4	0.62	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
3186	BI9830	4	E F St	227	Los Angeles	4	0.17	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
3189	BI9830	7	Quay Ave	1741	Los Angeles	4	1.32	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
3190	BI9830	8	Highway 1	404	Los Angeles	6	0.46	Highway	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3192	BI9830	10	Pch Hwy	404	Los Angeles	6	0.46	Highway	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3193	BI9830	11	State Route 1 Hwy	404	Los Angeles	6	0.46	Highway	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
3197	BI9830	15		1743	Los Angeles	4	1.32	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3198	BI9830	16	Alameda St	2249	Los Angeles	4	1.70	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3199	BI9830	17	Avalon Pl	1047	Los Angeles	4	0.79	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3202	BI9830	20	Cary Ave	1921	Los Angeles	4	1.46	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3204	BI9830	22	Dominguez Ave	1425	Los Angeles	4	1.08	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3206	BI9830	24	E Colon St	3036	Los Angeles	4	2.30	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3207	BI9830	25	E Cruces St	2685	Los Angeles	4	2.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3208	BI9830	26	E D St	599	Los Angeles	4	0.45	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3211	BI9830	29	E F St	1364	Los Angeles	4	1.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3213	BI9830	31	E Grant St	1105	Los Angeles	4	0.84	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3214	BI9830	32	E I St	2301	Los Angeles	4	1.74	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3216	BI9830	34	E M St	3642	Los Angeles	4	2.76	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3217	BI9830	35	E Mauretania St	2625	Los Angeles	4	1.99	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3218	BI9830	36	E N St	369	Los Angeles	4	0.28	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3219	BI9830	37	E O St	3575	Los Angeles	4	2.71	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3221	BI9830	39	E Q St	1336	Los Angeles	4	1.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3222	BI9830	40	E Robidoux St	2526	Los Angeles	4	1.91	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3223	BI9830	41	E Sandison St	2706	Los Angeles	4	2.05	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3224	BI9830	42	E Young St	2958	Los Angeles	4	2.24	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3225	BI9830	43	Emery Pl	404	Los Angeles	4	0.31	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3226	BI9830	44	Eubank Ave	6150	Los Angeles	4	4.66	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3227	BI9830	45	Flint Ave	3361	Los Angeles	4	2.55	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3228	BI9830	46	Gamble Ave	785	Los Angeles	4	0.59	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3229	BI9830	47	Hyatt Ave	2924	Los Angeles	4	2.21	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3232	BI9830	50	Mahar Ave	2672	Los Angeles	4	2.02	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3233	BI9830	51	McFarland Ave	4662	Los Angeles	4	3.53	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3235	BI9830	53	N Henry Ford Ave	35	Los Angeles	4	0.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3236	BI9830	54	Pioneer Ave	3792	Los Angeles	4	2.87	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3237	BI9830	55	Quay Ave	887	Los Angeles	4	0.67	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3239	BI9830	57	Sanford St	1604	Los Angeles	4	1.22	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
3241	BI9830	59		25366	Los Angeles	1	4.80	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
4313	Port01	1	S Crescent Ave	184	Los Angeles	4	0.14	Secondary-Collector	64	8	2	6	3	0.77	9	23	HIGH			LA LB Harbor	
4314	Port01	2	S Harbor Blvd	135	Los Angeles	4	0.10	Secondary-Collector	64	8	2	6	3	0.77	9	23	HIGH			LA LB Harbor	
4315	Port01	3		452	Los Angeles	4	0.34	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
4316	Port01	4	Miner St	1141	Los Angeles	4	0.86	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
4317	Port01	5	W 22nd St	1660	Los Angeles	4	1.26	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
4318	Port01	6		2210	Los Angeles	4	1.67	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4319	Port01	7	Miner St	3921	Los Angeles	4	2.97	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4320	Port01	8	Signal Pl	87	Los Angeles	4	0.07	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4321	Port01	9	Signal St	2454	Los Angeles	4	1.86	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4322	Port01	10	W 22nd St	452	Los Angeles	4	0.34	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4323	Port01	11		2571	Los Angeles	4	1.95	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4324	Port01	12	Miner St	3144	Los Angeles	4	2.38	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4325	Port01	13	Signal Pl	460	Los Angeles	4	0.35	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4326	Port01	14	Signal St	1154	Los Angeles	4	0.87	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4327	Port01	15	W 22nd St	972	Los Angeles	4	0.74	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4328	Port01	16	Nagoya Wy	559	Los Angeles	4	0.42	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4329	Port01	17	Timms Wy	47	Los Angeles	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4330	Port01	18	S Crescent Ave	311	Los Angeles	4	0.24	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
4331	Port01	19	S Harbor Blvd	370	Los Angeles	4	0.28	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
4332	Port01	20	Gulch Rd	28	Los Angeles	4	0.02	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4333	Port01	21	Via Cabrillo Marina	31	Los Angeles	4	0.02	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4334	Port01	22	W 22nd St	229	Los Angeles	4	0.17	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4335	Port01	23	S Harbor Blvd	984	Los Angeles	4	0.75	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			LA LB Harbor	
4336	Port01	24	Nagoya Wy	68	Los Angeles	4	0.05	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4337	Port01	25	Sampson Wy	1944	Los Angeles	4	1.47	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4338	Port01	26	Timms Wy	207	Los Angeles	4	0.16	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4339	Port01	27	S Crescent Ave	97	Los Angeles	4	0.07	Secondary-Collector	64	8	3	4	9	0.27	2	14	LOW			LA LB Harbor	
4340	Port02	1		431	Los Angeles	4	0.33	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
4341	Port02	2	Via Cabrillo Marina	402	Los Angeles	4	0.30	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
4342	Port02	3		1845	Los Angeles	4	1.40	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4343	Port02	4	Arthur Macarthur Rd	1553	Los Angeles	4	1.18	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4344	Port02	5	Meyler Rd	157	Los Angeles	4	0.12	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4345	Port02	6	Officers Rd	1069	Los Angeles	4	0.81	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4346	Port02	7	Old E Fort Rd	5	Los Angeles	4	0.00	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4347	Port02	8	Old Fort Rd	230	Los Angeles	4	0.17	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4348	Port02	9	Quartermaster Ct	309	Los Angeles	4	0.23	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4349	Port02	10	Quartermaster Rd	1238	Los Angeles	4	0.94	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4350	Port02	11	Shoshonean Rd	314	Los Angeles	4	0.24	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4351	Port02	12	Via Cabrillo Marina	2365	Los Angeles	4	1.79	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4352	Port02	13	W 28th St	119	Los Angeles	4	0.09	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4353	Port02	14	Watchorn Walk	102	Los Angeles	4	0.08	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4354	Port02	15		32	Los Angeles	4	0.02	Minor-Local	60	6	3	4	3	0.77	9	19	MED			LA LB Harbor	
4355	Port02	16		170	Los Angeles	4	0.13	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4356	Port02	17	Arthur Macarthur Rd	54	Los Angeles	4	0.04	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4357	Port02	18	Oliver Vickery Circle Wy	982	Los Angeles	4	0.74	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4358	Port02	19	Shoshonean Rd	1543	Los Angeles	4	1.17	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4359	Port02	20	Stephen M White Dr	169	Los Angeles	4	0.13	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4360	Port02	21		725	Los Angeles	4	0.55	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4361	Port02	22	Arthur Macarthur Rd	1678	Los Angeles	4	1.27	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4362	Port02	23	Meyler Rd	383	Los Angeles	4	0.29	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4363	Port02	24	Officers Rd	458	Los Angeles	4	0.35	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4364	Port02	25	Shoshonean Rd	1266	Los Angeles	4	0.96	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4365	Port02	26	W 28th St	410	Los Angeles	4	0.31	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4366	Port02	27	W 29th St	322	Los Angeles	4	0.24	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4367	Port02	28	W 30th St	83	Los Angeles	4	0.06	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4368	Port02	29	W 31st Ct	170	Los Angeles	4	0.13	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4369	Port02	30	W 31st St	522	Los Angeles	4	0.40	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4370	Port02	31	W 32nd St	434	Los Angeles	4	0.33	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4371	Port02	32	Arthur Macarthur Rd	547	Los Angeles	4	0.41	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4372	Port02	33	W 33rd St	292	Los Angeles	4	0.22	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4373	Port02	34	W 35th St	116	Los Angeles	4	0.09	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4374	Port03	1	N Front St	1111	Los Angeles	6	1.26	Primary-Arterial	100	10	2	6	3	0.77	9	25	HIGH			LA LB Harbor	
4375	Port03	2		2959	Los Angeles	6	3.36	Highway	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4376	Port03	3	State Route 47	2959	Los Angeles	6	3.36	Highway	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4377	Port03	4		4144	Los Angeles	4	3.14	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4378	Port03	5	Keel St	362	Los Angeles	4	0.27	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4379	Port03	6	Regan St	1586	Los Angeles	4	1.20	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4380	Port03	7	Swinford St	544	Los Angeles	4	0.41	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4381	Port03	8		63	Los Angeles	4	0.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			LA LB Harbor	
4382	Port03	9	Regan St	63	Los Angeles	4	0.05	Minor-Local	60	6	0	10	16	0.36	4	20	HIGH			LA LB Harbor	
4383	Port03	10		503	Los Angeles	6	0.57	Highway	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
4384	Port03	11	State Route 47	503	Los Angeles	6	0.57	Highway	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
4385	Port03	12	N Front St	304	Los Angeles	6	0.35	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
4386	Port03	13		308	Los Angeles	4	0.23	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4387	Port03	14	Regan St	308	Los Angeles	4	0.23	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4388	Port03	15		1023	Los Angeles	6	1.16	Highway	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	
4389	Port03	16	State Route 47	1023	Los Angeles	6	1.16	Highway	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	
4390	Port03	17	N Harbor Blvd	349	Los Angeles	6	0.40	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	
4391	Port03	18		1090	Los Angeles	4	0.83	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4392	Port03	19	N Front St	341	Los Angeles	4	0.26	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4393	Port03	20	Regan St	829	Los Angeles	4	0.63	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4394	Port03	21		105	Los Angeles	4	0.08	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
4395	Port03	22	Regan St	105	Los Angeles	4	0.08	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
4396	Port03	23		9	Los Angeles	6	0.01	Highway	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4397	Port03	24	State Route 47	9	Los Angeles	6	0.01	Highway	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4398	Port03	25	N Front St	28	Los Angeles	6	0.03	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4399	Port03	26	N Harbor Blvd	95	Los Angeles	6	0.11	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4400	Port03	27		156	Los Angeles	4	0.12	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4401	Port03	28	E 5th St	110	Los Angeles	4	0.08	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4402	Port03	29	E 6th St	202	Los Angeles	4	0.15	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4403	Port03	30	N Front St	1127	Los Angeles	4	0.85	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4404	Port03	31	Regan St	156	Los Angeles	4	0.12	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4405	Port03	32	Sampson Wy	1477	Los Angeles	4	1.12	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4406	Port03	33	N Front St	111	Los Angeles	6	0.13	Primary-Arterial	100	10	2	6	16	0.36	4	20	HIGH			LA LB Harbor	
4407	Port03	34	N Front St	441	Los Angeles	4	0.33	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4408	Port03	35	N Front St	254	Los Angeles	6	0.29	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			LA LB Harbor	
4409	Port03	36	N Pacific Ave	100	Los Angeles	6	0.11	Primary-Arterial	100	10	3	4	3	0.77	9	23	HIGH			LA LB Harbor	
4410	Port03	37		42	Los Angeles	4	0.03	Minor-Local	60	6	3	4	3	0.77	9	19	MED			LA LB Harbor	
4411	Port03	38	Knoll Dr	42	Los Angeles	4	0.03	Minor-Local	60	6	3	4	3	0.77	9	19	MED			LA LB Harbor	
4412	Port03	39		9	Los Angeles	4	0.01	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
4413	Port03	40	Knoll Dr	9	Los Angeles	4	0.01	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
4414	Port04	1	Alameda St	551	Los Angeles	6	0.63	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4415	Port04	2	E Harry Bridges Blvd	838	Los Angeles	6	0.95	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4416	Port04	3	Canal Ave	638	Los Angeles	4	0.48	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4417	Port04	4	E C St	595	Los Angeles	4	0.45	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4418	Port04	5	E Water St	512	Los Angeles	4	0.39	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4419	Port04	6	N Banning Blvd	7	Los Angeles	4	0.01	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4420	Port04	7	Nissan Wy	913	Los Angeles	4	0.69	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4421	Port04	8	Quay Ave	732	Los Angeles	4	0.55	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4422	Port04	9	Yacht St	1201	Los Angeles	4	0.91	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4423	Port04	10	Alameda St	3487	Los Angeles	6	3.96	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4425	Port04	12	Cristobal Ave	0	Los Angeles	4	0.00	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4426	Port04	13	E C St	520	Los Angeles	4	0.39	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4427	Port04	14	E D St	685	Los Angeles	4	0.52	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4428	Port04	15	Eubank Ave	1180	Los Angeles	4	0.89	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4429	Port04	16	McFarland Ave	795	Los Angeles	4	0.60	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4430	Port05	1	State Route 47	2211	Los Angeles	6	2.51	Highway	100	10	0	10	6	0.33	3	23	HIGH			LA LB Harbor	
4431	Port05	2	E Anaheim St	818	Los Angeles	6	0.93	Primary-Arterial	100	10	0	10	6	0.33	3	23	HIGH			LA LB Harbor	
4432	Port05	3	Farragut Ave	5	Los Angeles	4	0.00	Minor-Local	60	6	0	10	6	0.33	3	19	MED			LA LB Harbor	
4433	Port05	4	N Carrack Ave	576	Los Angeles	4	0.44	Minor-Local	60	6	0	10	6	0.33	3	19	MED			LA LB Harbor	
4434	Port05	5	Pier B St	1055	Los Angeles	4	0.80	Minor-Local	60	6	0	10	6	0.33	3	19	MED			LA LB Harbor	
4435	Port05	6	W Pier B St	104	Los Angeles	4	0.08	Minor-Local	60	6	0	10	6	0.33	3	19	MED			LA LB Harbor	
4436	Port06	1	E Anaheim St	644	Los Angeles	6	0.73	Primary-Arterial	100	10	0	10	6	0.33	3	23	HIGH			LA LB Harbor	
4437	Port06	2		359	Los Angeles	4	0.27	Minor-Local	60	6	0	10	6	0.33	3	19	MED			LA LB Harbor	
4438	Port06	3	Pier B St	709	Los Angeles	4	0.54	Minor-Local	60	6	0	10	6	0.33	3	19	MED			LA LB Harbor	
4439	Port09	1	Barracuda St	1665	Los Angeles	4	1.26	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4440	Port09	2	Bass St	1043	Los Angeles	4	0.79	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4441	Port09	3	Cannery St	2486	Los Angeles	4	1.88	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4442	Port09	4	Earle St	3023	Los Angeles	4	2.29	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4443	Port09	5	S Seaside Ave	3495	Los Angeles	4	2.65	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4444	Port09	6	Sardine St	472	Los Angeles	4	0.36	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4445	Port09	7	Terminal Wy	2740	Los Angeles	4	2.08	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4446	Port09	8	Tuna St	629	Los Angeles	4	0.48	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4447	Port09	9	Ways St	1671	Los Angeles	4	1.27	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4448	Port09	10	Wharf St	2525	Los Angeles	4	1.91	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4449	Port10	1		2217	Los Angeles	4	1.68	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4450	Port10	2	New Dock St	3320	Los Angeles	4	2.51	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4451	Port10	3	W New Dock St	2645	Los Angeles	4	2.00	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4452	Port10	4	W New Dock St	1251	Los Angeles	4	0.95	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4453	Port11	1		11620	Los Angeles	6	13.20	Highway	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4454	Port11	2	State Route 47	11620	Los Angeles	6	13.20	Highway	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4455	Port11	3	N Seaside Ave	1731	Los Angeles	6	1.97	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4456	Port11	4	State Route 47	1897	Los Angeles	6	2.16	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4457	Port11	5	W Ocean Blvd	165	Los Angeles	6	0.19	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4458	Port11	6	State Route 47	133	Los Angeles	4	0.10	Secondary-Collector	64	8	0	10	3	0.77	9	27	HIGH			LA LB Harbor	
4459	Port11	7	W Ocean Blvd	133	Los Angeles	4	0.10	Secondary-Collector	64	8	0	10	3	0.77	9	27	HIGH			LA LB Harbor	
4460	Port11	8		11798	Los Angeles	4	8.94	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4461	Port11	9	Altoona Pl	251	Los Angeles	4	0.19	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4462	Port11	10	Cannery St	106	Los Angeles	4	0.08	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4463	Port11	11	Coffman Ave	1322	Los Angeles	4	1.00	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4464	Port11	12	Earle St	729	Los Angeles	4	0.55	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4465	Port11	13	Eldridge St	691	Los Angeles	4	0.52	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4466	Port11	14	Ferry St	2330	Los Angeles	4	1.77	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4467	Port11	15	N Seaside Ave	536	Los Angeles	4	0.41	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4468	Port11	16	Navy Wy	2206	Los Angeles	4	1.67	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4469	Port11	17	Ocean Ave	461	Los Angeles	4	0.35	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4470	Port11	18	Pilchard St	1622	Los Angeles	4	1.23	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4471	Port11	19	Reeves Ave	831	Los Angeles	4	0.63	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4472	Port11	20	S Seaside Ave	1920	Los Angeles	4	1.45	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4473	Port11	21	Terminal Wy	2241	Los Angeles	4	1.70	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4474	Port11	22	W New Dock St	392	Los Angeles	4	0.30	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4475	Port14	1	John S Gibson Blvd	309	Los Angeles	6	0.35	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			LA LB Harbor	
4476	Port14	2		1669	Los Angeles	6	1.90	Primary-Arterial	100	10	3	4	14	0.81	10	24	HIGH			LA LB Harbor	
4477	Port14	3	John S Gibson Blvd	1671	Los Angeles	6	1.90	Primary-Arterial	100	10	3	4	14	0.81	10	24	HIGH			LA LB Harbor	
4478	Port14	4		248	Los Angeles	4	0.19	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
4479	Port14	5		3189	Los Angeles	6	3.62	Primary-Arterial	100	10	4	2	14	0.81	10	22	HIGH			LA LB Harbor	
4480	Port14	6	John S Gibson Blvd	3393	Los Angeles	6	3.86	Primary-Arterial	100	10	4	2	14	0.81	10	22	HIGH			LA LB Harbor	
4482	Port15	2	John S Gibson Blvd	3	Los Angeles	6	0.00	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4483	Port15	3	W Harry Bridges Blvd	1144	Los Angeles	6	1.30	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4484	Port15	4		1079	Los Angeles	4	0.82	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4485	Port15	5	Arabic St	145	Los Angeles	4	0.11	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4486	Port15	6	Emden St	246	Los Angeles	4	0.19	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4487	Port15	7	Figueroa Pl	1294	Los Angeles	4	0.98	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4488	Port15	8	Hawaiian Ave	535	Los Angeles	4	0.41	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4489	Port15	9	Mar Vista Ave	537	Los Angeles	4	0.41	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4490	Port15	10	W C St	1108	Los Angeles	4	0.84	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4491	Port15	11	W E St	383	Los Angeles	4	0.29	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4492	Port15	12	W F St	218	Los Angeles	4	0.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4493	Port15	13	W G St	243	Los Angeles	4	0.18	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4494	Port15	14		529	Los Angeles	1	0.10	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
4495	Port15	15	John S Gibson Blvd	314	Los Angeles	6	0.36	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			LA LB Harbor	
4496	Port15	16		1859	Los Angeles	4	1.41	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4497	Port15	17	Arabic St	160	Los Angeles	4	0.12	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4498	Port15	18	Emden St	138	Los Angeles	4	0.10	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4499	Port15	19	W F St	149	Los Angeles	4	0.11	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4500	Port15	20		405	Los Angeles	1	0.08	Alley	20	4	1	8	14	0.81	10	22	HIGH			LA LB Harbor	
4501	Port16	1	W Harry Bridges Blvd	1614	Los Angeles	6	1.83	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4502	Port16	2		2549	Los Angeles	4	1.93	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4503	Port16	3	Bay View Ave	22	Los Angeles	4	0.02	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4504	Port16	4	Falcon St	1790	Los Angeles	4	1.36	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4505	Port16	5	Hermosa St	633	Los Angeles	4	0.48	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4506	Port16	6	Island Ave	410	Los Angeles	4	0.31	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4507	Port16	7	Lagoon Ave	336	Los Angeles	4	0.25	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4508	Port16	8	McDonald Ave	17	Los Angeles	4	0.01	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4509	Port16	9	N Neptune Ave	571	Los Angeles	4	0.43	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4510	Port16	10	Pier A St	5380	Los Angeles	4	4.08	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4511	Port16	11	S Fries Ave	4046	Los Angeles	4	3.06	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4512	Port16	12	S La Paloma Ave	1485	Los Angeles	4	1.12	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4513	Port16	13	San Clemente Ave	554	Los Angeles	4	0.42	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4514	Port16	14	W Water St	714	Los Angeles	4	0.54	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4515	Port16	15		33	Los Angeles	1	0.01	Alley	20	4	0	10	3	0.77	9	23	HIGH			LA LB Harbor	
4516	Port16	16	N Wilmington Blvd	5	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4517	Port16	17	W Harry Bridges Blvd	715	Los Angeles	6	0.81	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4518	Port16	18	N Gulf Ave	11	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4519	Port16	19	John S Gibson Blvd	480	Los Angeles	6	0.55	Primary-Arterial	100	10	1	8	14	0.81	10	28	HIGH			LA LB Harbor	
4528	SPB01	1		1557	Los Angeles	4	1.18	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4529	SPB01	2	Leavenworth Dr	505	Los Angeles	4	0.38	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4530	SPB01	3	Nco Rd	126	Los Angeles	4	0.10	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4531	SPB05	1		1703	Los Angeles	4	1.29	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4532	SPB05	2	Leary Miriam Rd	718	Los Angeles	4	0.54	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4533	SPB05	3	Nco Rd	620	Los Angeles	4	0.47	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4534	SPB05	4	Orc Rd	639	Los Angeles	4	0.48	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4535	SPB05	5	Osgood Farley Rd	177	Los Angeles	4	0.13	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4536	SPB05	6		62	Los Angeles	4	0.05	Minor-Local	60	6	1	8	4	0.4	5	19	MED			LA LB Harbor	
4537	SPB05	7	Leary Miriam Rd	523	Los Angeles	4	0.40	Minor-Local	60	6	1	8	4	0.4	5	19	MED			LA LB Harbor	
4538	SPB05	8	Nco Rd	222	Los Angeles	4	0.17	Minor-Local	60	6	1	8	4	0.4	5	19	MED			LA LB Harbor	
4539	SPB05	9	S Pacific Ave	317	Los Angeles	6	0.36	Primary-Arterial	100	10	3	4	4	0.4	5	19	MED			LA LB Harbor	
4540	SPB05	10	W 32nd St	336	Los Angeles	4	0.25	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4541	SPB05	11	S Pacific Ave	1090	Los Angeles	6	1.24	Primary-Arterial	100	10	3	4	9	0.27	2	16	MED			LA LB Harbor	
4542	SPB05	12	W 30th St	348	Los Angeles	4	0.26	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4543	SPB05	13	W 31st Ct	83	Los Angeles	4	0.06	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4544	SPB05	14	W 32nd St	10	Los Angeles	4	0.01	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4545	SPB05	15	S Pacific Ave	882	Los Angeles	6	1.00	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	
4546	SPB05	16		970	Los Angeles	4	0.73	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4547	SPB05	17	Arthur Macarthur Rd	334	Los Angeles	4	0.25	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4548	SPB05	18	Barlow Saxton Rd	446	Los Angeles	4	0.34	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4549	SPB05	19	Baywater Ave	210	Los Angeles	4	0.16	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4550	SPB05	20	Leary Miriam Rd	142	Los Angeles	4	0.11	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4551	SPB05	21	Osgood Farley Rd	524	Los Angeles	4	0.40	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4552	SPB05	22	S Smallwood Dr	323	Los Angeles	4	0.25	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4553	SPB05	23	W 30th St	855	Los Angeles	4	0.65	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4554	SPB05	24	W 34th St	666	Los Angeles	4	0.50	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4555	SPB05	25	W 35th St	191	Los Angeles	4	0.14	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4556	SPB06	1	S Crescent Ave	68	Los Angeles	4	0.05	Secondary-Collector	64	8	2	6	3	0.77	9	23	HIGH			LA LB Harbor	
4557	SPB06	2	S Centre St	183	Los Angeles	4	0.14	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4558	SPB06	3	S Mesa St	743	Los Angeles	4	0.56	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4559	SPB06	4	W 14th St	12	Los Angeles	4	0.01	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4560	SPB06	5	W 15th St	1281	Los Angeles	4	0.97	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4561	SPB06	6	W 16th St	1277	Los Angeles	4	0.97	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4562	SPB06	7	W 17th St	531	Los Angeles	4	0.40	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4563	SPB06	8	W 18th St	545	Los Angeles	4	0.41	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4564	SPB06	9	W 19th St	555	Los Angeles	4	0.42	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4565	SPB06	10	W 20th St	83	Los Angeles	4	0.06	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4566	SPB06	11		4935	Los Angeles	1	0.93	Alley	20	4	1	8	9	0.27	2	14	LOW			LA LB Harbor	
4567	SPB06	12	S Crescent Ave	1087	Los Angeles	4	0.82	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
4568	SPB06	13	S Mesa St	36	Los Angeles	4	0.03	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
4569	SPB06	14	W 21st St	206	Los Angeles	4	0.16	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
4570	SPB06	15	Gulch Rd	174	Los Angeles	4	0.13	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4571	SPB06	16	S Beacon St	682	Los Angeles	4	0.52	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4572	SPB06	17	S Centre St	1269	Los Angeles	4	0.96	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4573	SPB06	18	S Mesa St	1271	Los Angeles	4	0.96	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4574	SPB06	19	S Palos Verdes St	950	Los Angeles	4	0.72	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4575	SPB06	20	W 15th St	945	Los Angeles	4	0.72	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4576	SPB06	21	W 16th St	938	Los Angeles	4	0.71	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4577	SPB06	22	W 17th St	795	Los Angeles	4	0.60	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4578	SPB06	23	W 18th St	872	Los Angeles	4	0.66	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4579	SPB06	24	W 19th St	564	Los Angeles	4	0.43	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4580	SPB06	25	W 20th St	343	Los Angeles	4	0.26	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4581	SPB06	26	W 21st St	3	Los Angeles	4	0.00	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4582	SPB06	27		4676	Los Angeles	1	0.89	Alley	20	4	2	6	9	0.27	2	12	LOW			LA LB Harbor	
4583	SPB06	28	S Crescent Ave	572	Los Angeles	4	0.43	Secondary-Collector	64	8	3	4	9	0.27	2	14	LOW			LA LB Harbor	
4584	SPB06	29	S Palos Verdes St	25	Los Angeles	4	0.02	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4585	SPB06	30	W 17th St	594	Los Angeles	4	0.45	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4586	SPB06	31	W 18th St	53	Los Angeles	4	0.04	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4587	SPB06	32		615	Los Angeles	1	0.12	Alley	20	4	3	4	9	0.27	2	10	LOW			LA LB Harbor	
4588	SPB07	1	S Mesa St	1282	Los Angeles	4	0.97	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4589	SPB07	2	W 11th St	878	Los Angeles	4	0.67	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4590	SPB07	3	W 12th St	1094	Los Angeles	4	0.83	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4591	SPB07	4	W 13th St	1241	Los Angeles	4	0.94	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4592	SPB07	5	W 14th St	1224	Los Angeles	4	0.93	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4593	SPB07	6		5129	Los Angeles	1	0.97	Alley	20	4	1	8	9	0.27	2	14	LOW			LA LB Harbor	
4594	SPB07	7	W 11th St	297	Los Angeles	4	0.22	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4595	SPB07	8	W 12th St	95	Los Angeles	4	0.07	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4596	SPB07	9		1071	Los Angeles	1	0.20	Alley	20	4	1	8	13	0.45	6	18	MED			LA LB Harbor	
4597	SPB07	10	Gulch Rd	143	Los Angeles	4	0.11	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4598	SPB07	11	S Beacon St	231	Los Angeles	4	0.17	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4599	SPB07	12	S Centre St	522	Los Angeles	4	0.40	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4600	SPB07	13	S Palos Verdes St	111	Los Angeles	4	0.08	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4601	SPB07	14	W 13th St	315	Los Angeles	4	0.24	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4602	SPB07	15	W 14th St	838	Los Angeles	4	0.63	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4603	SPB07	16	W 15th St	11	Los Angeles	4	0.01	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4604	SPB07	17		1049	Los Angeles	1	0.20	Alley	20	4	2	6	9	0.27	2	12	LOW			LA LB Harbor	
4605	SPB07	18	S Harbor Blvd	552	Los Angeles	4	0.42	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			LA LB Harbor	
4606	SPB07	19	Gulch Rd	233	Los Angeles	4	0.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4607	SPB07	20	S Beacon St	1391	Los Angeles	4	1.05	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4608	SPB07	21	S Centre St	775	Los Angeles	4	0.59	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4609	SPB07	22	S Palos Verdes St	1183	Los Angeles	4	0.90	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4610	SPB07	23	W 11th St	1041	Los Angeles	4	0.79	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4611	SPB07	24	W 12th St	1020	Los Angeles	4	0.77	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4612	SPB07	25	W 13th St	684	Los Angeles	4	0.52	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4613	SPB07	26	W 14th St	140	Los Angeles	4	0.11	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4614	SPB07	27		1175	Los Angeles	1	0.22	Alley	20	4	2	6	13	0.45	6	16	MED			LA LB Harbor	
4615	SPB08	1	W 9th St	75	Los Angeles	6	0.09	Primary-Arterial	100	10	2	6	4	0.4	5	21	HIGH			LA LB Harbor	
4616	SPB08	2	S Meyler St	692	Los Angeles	4	0.52	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4617	SPB08	3	W 10th St	286	Los Angeles	4	0.22	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4619	SPB08	5	W 9th St	1024	Los Angeles	6	1.16	Primary-Arterial	100	10	1	8	9	0.27	2	20	HIGH			LA LB Harbor	
4620	SPB08	6	W 6th St	237	Los Angeles	4	0.18	Secondary-Collector	64	8	1	8	9	0.27	2	18	MED			LA LB Harbor	
4621	SPB08	7	S Grand Ave	667	Los Angeles	4	0.51	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4622	SPB08	8	S Mesa St	297	Los Angeles	4	0.22	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4623	SPB08	9	W 10th St	1123	Los Angeles	4	0.85	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4624	SPB08	10	W 11th St	190	Los Angeles	4	0.14	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4625	SPB08	11	W 12th St	205	Los Angeles	4	0.16	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4626	SPB08	12	W 13th St	911	Los Angeles	4	0.69	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4627	SPB08	13	W 7th St	306	Los Angeles	4	0.23	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4628	SPB08	14	W 8th St	802	Los Angeles	4	0.61	Minor-Local	60	6	1	8	9	0.27	2	16	MED			LA LB Harbor	
4629	SPB08	15		5683	Los Angeles	1	1.08	Alley	20	4	1	8	9	0.27	2	14	LOW			LA LB Harbor	
4631	SPB08	17	W 9th St	576	Los Angeles	6	0.65	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	
4632	SPB08	18	W 6th St	1715	Los Angeles	4	1.30	Secondary-Collector	64	8	1	8	13	0.45	6	22	HIGH			LA LB Harbor	
4633	SPB08	19		487	Los Angeles	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4634	SPB08	20	Coverly St	487	Los Angeles	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4635	SPB08	21	Nelson St	331	Los Angeles	4	0.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4636	SPB08	22	S Grand Ave	185	Los Angeles	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4637	SPB08	23	S Mesa St	2133	Los Angeles	4	1.62	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4638	SPB08	24	W 10th St	399	Los Angeles	4	0.30	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4639	SPB08	25	W 3rd St	514	Los Angeles	4	0.39	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4640	SPB08	26	W 4th St	674	Los Angeles	4	0.51	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4641	SPB08	27	W 5th St	1655	Los Angeles	4	1.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4642	SPB08	28	W 7th St	1528	Los Angeles	4	1.16	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4643	SPB08	29	W 8th St	914	Los Angeles	4	0.69	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4644	SPB08	30		4257	Los Angeles	1	0.81	Alley	20	4	1	8	13	0.45	6	18	MED			LA LB Harbor	
4645	SPB08	31	W 8th St	17	Los Angeles	4	0.01	Minor-Local	60	6	2	6	4	0.4	5	17	MED			LA LB Harbor	
4646	SPB08	32		407	Los Angeles	1	0.08	Alley	20	4	2	6	4	0.4	5	15	MED			LA LB Harbor	
4647	SPB08	33	N Gaffey St	26	Los Angeles	6	0.03	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
4648	SPB08	34	S Gaffey St	1633	Los Angeles	6	1.86	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
4649	SPB08	35	S Pacific Ave	11	Los Angeles	6	0.01	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
4650	SPB08	36	W 9th St	2273	Los Angeles	6	2.58	Primary-Arterial	100	10	2	6	9	0.27	2	18	MED			LA LB Harbor	
4651	SPB08	37	W 6th St	478	Los Angeles	4	0.36	Secondary-Collector	64	8	2	6	9	0.27	2	16	MED			LA LB Harbor	
4652	SPB08	38	N Grand Ave	720	Los Angeles	4	0.55	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4653	SPB08	39	S Cabrillo Ave	1385	Los Angeles	4	1.05	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4654	SPB08	40	S Grand Ave	3201	Los Angeles	4	2.42	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4655	SPB08	41	S Meyler St	280	Los Angeles	4	0.21	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4656	SPB08	42	W 10th St	2230	Los Angeles	4	1.69	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4657	SPB08	43	W 11th St	1199	Los Angeles	4	0.91	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4658	SPB08	44	W 12th St	1196	Los Angeles	4	0.91	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4659	SPB08	45	W 13th St	463	Los Angeles	4	0.35	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4660	SPB08	46	W 1st St	454	Los Angeles	4	0.34	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4661	SPB08	47	W 2nd St	396	Los Angeles	4	0.30	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4662	SPB08	48	W 3rd St	678	Los Angeles	4	0.51	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4663	SPB08	49	W 4th St	331	Los Angeles	4	0.25	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4664	SPB08	50	W 5th St	118	Los Angeles	4	0.09	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4665	SPB08	51	W 7th St	1667	Los Angeles	4	1.26	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4666	SPB08	52	W 8th St	2123	Los Angeles	4	1.61	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4667	SPB08	53	W Santa Cruz St	926	Los Angeles	4	0.70	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4668	SPB08	54	W Sepulveda St	808	Los Angeles	4	0.61	Minor-Local	60	6	2	6	9	0.27	2	14	LOW			LA LB Harbor	
4669	SPB08	55		14933	Los Angeles	1	2.83	Alley	20	4	2	6	9	0.27	2	12	LOW			LA LB Harbor	
4670	SPB08	56		160	Los Angeles	6	0.18	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4671	SPB08	57	N Harbor Blvd	698	Los Angeles	6	0.79	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4673	SPB08	59	S Beacon St	662	Los Angeles	6	0.75	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4674	SPB08	60	S Harbor Blvd	2000	Los Angeles	6	2.27	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4676	SPB08	62	W 7th St	160	Los Angeles	6	0.18	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4677	SPB08	63	W 9th St	1083	Los Angeles	6	1.23	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4678	SPB08	64	S Harbor Blvd	1028	Los Angeles	4	0.78	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			LA LB Harbor	
4679	SPB08	65	W 6th St	1319	Los Angeles	4	1.00	Secondary-Collector	64	8	2	6	13	0.45	6	20	HIGH			LA LB Harbor	
4680	SPB08	66		242	Los Angeles	4	0.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4681	SPB08	67	Coverly St	177	Los Angeles	4	0.13	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4682	SPB08	68	E 5th St	74	Los Angeles	4	0.06	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4683	SPB08	69	E 6th St	27	Los Angeles	4	0.02	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4684	SPB08	70	N Arboles Ct	165	Los Angeles	4	0.13	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4685	SPB08	71	N Armona Ct	90	Los Angeles	4	0.07	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4686	SPB08	72	N Beacon St	703	Los Angeles	4	0.53	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4687	SPB08	73	N Centre St	414	Los Angeles	4	0.31	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4688	SPB08	74	N Mesa St	947	Los Angeles	4	0.72	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4689	SPB08	75	N Palos Verdes St	331	Los Angeles	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4690	SPB08	76	S Arboles Ct	350	Los Angeles	4	0.27	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4691	SPB08	77	S Armona Ct	250	Los Angeles	4	0.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4692	SPB08	78	S Beacon St	1362	Los Angeles	4	1.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4693	SPB08	79	S Centre St	2956	Los Angeles	4	2.24	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4694	SPB08	80	S Grand Ave	222	Los Angeles	4	0.17	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4695	SPB08	81	S Mesa St	213	Los Angeles	4	0.16	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4696	SPB08	82	S Palos Verdes St	3011	Los Angeles	4	2.28	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4697	SPB08	83	W 10th St	1062	Los Angeles	4	0.80	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4698	SPB08	84	W 1st St	1828	Los Angeles	4	1.39	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4699	SPB08	85	W 2nd St	1699	Los Angeles	4	1.29	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4700	SPB08	86	W 3rd St	2192	Los Angeles	4	1.66	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4701	SPB08	87	W 4th St	552	Los Angeles	4	0.42	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4702	SPB08	88	W 5th St	1651	Los Angeles	4	1.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4703	SPB08	89	W 7th St	1125	Los Angeles	4	0.85	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4704	SPB08	90	W 8th St	1105	Los Angeles	4	0.84	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4705	SPB08	91	W Ofarrell St	516	Los Angeles	4	0.39	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4706	SPB08	92	W Santa Cruz St	2119	Los Angeles	4	1.61	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4707	SPB08	93	W Sepulveda St	2154	Los Angeles	4	1.63	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4708	SPB08	94	Wall St	652	Los Angeles	4	0.49	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4709	SPB08	95		11981	Los Angeles	1	2.27	Alley	20	4	2	6	13	0.45	6	16	MED			LA LB Harbor	
4711	SPB08	97		78	Los Angeles	4	0.06	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4712	SPB08	98	N Armona Ct	82	Los Angeles	4	0.06	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4713	SPB08	99	N Centre St	466	Los Angeles	4	0.35	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4714	SPB08	100	N Mesa St	187	Los Angeles	4	0.14	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4715	SPB08	101	N Palos Verdes St	41	Los Angeles	4	0.03	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4716	SPB08	102	S Centre St	62	Los Angeles	4	0.05	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4717	SPB08	103	S Mesa St	372	Los Angeles	4	0.28	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4718	SPB08	104	W 1st St	1106	Los Angeles	4	0.84	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4719	SPB08	105	W 2nd St	1294	Los Angeles	4	0.98	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4720	SPB08	106	W Santa Cruz St	798	Los Angeles	4	0.60	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4721	SPB08	107	W Sepulveda St	242	Los Angeles	4	0.18	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4722	SPB08	108		2536	Los Angeles	1	0.48	Alley	20	4	2	6	16	0.36	4	14	LOW			LA LB Harbor	
4724	SPB08	110		163	CO	4	0.12	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4725	SPB08	111	Bandini St	330	CO	4	0.25	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4726	SPB08	112	Lake Ave	223	CO	4	0.17	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4727	SPB08	113	S Alma St	30	CO	4	0.02	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4728	SPB08	114	S Averill Ave	14	CO	4	0.01	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4729	SPB08	115	S Bandini St	122	CO	4	0.09	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4730	SPB08	116	S Butte St	327	CO	4	0.25	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4731	SPB08	117	S Leland St	25	CO	4	0.02	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4732	SPB08	118	S Patton Ave	223	CO	4	0.17	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4733	SPB08	119	W 1st St	379	CO	4	0.29	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4734	SPB08	120	W 2nd St	377	CO	4	0.29	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4735	SPB08	121	W 3rd St	1320	CO	4	1.00	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4736	SPB08	122	W 4th St	604	CO	4	0.46	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4737	SPB08	123	W 5th St	374	CO	4	0.28	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4738	SPB08	124	W 7th St	2564	CO	4	1.94	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4739	SPB08	125	W La Alameda Ave	305	CO	4	0.23	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4740	SPB08	126		6136	CO	1	1.16	Alley	20	4	3	4	4	0.4	5	13	LOW			LA LB Harbor	
4741	SPB08	127	W La Alameda Ave	77	CO	4	0.06	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4742	SPB08	128	W 9th St	3127	Los Angeles	6	3.55	Primary-Arterial	100	10	3	4	4	0.4	5	19	MED			LA LB Harbor	
4743	SPB08	129	W 6th St	323	Los Angeles	4	0.24	Secondary-Collector	64	8	3	4	4	0.4	5	17	MED			LA LB Harbor	
4744	SPB08	130	Aldine Ct	231	Los Angeles	4	0.17	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4745	SPB08	131	N Meyler St	531	Los Angeles	4	0.40	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4746	SPB08	132	N Patton Ave	678	Los Angeles	4	0.51	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4747	SPB08	133	Oro Ter	593	Los Angeles	4	0.45	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4748	SPB08	134	S Alma St	1500	Los Angeles	4	1.14	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4749	SPB08	135	S Averill Ave	1296	Los Angeles	4	0.98	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4750	SPB08	136	S Dolphin St	38	Los Angeles	4	0.03	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4751	SPB08	137	S Leland St	1620	Los Angeles	4	1.23	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4752	SPB08	138	S Meyler St	1792	Los Angeles	4	1.36	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4753	SPB08	139	S Patton Ave	1924	Los Angeles	4	1.46	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4754	SPB08	140	S Walker Ave	1298	Los Angeles	4	0.98	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4755	SPB08	141	W 10th St	3211	Los Angeles	4	2.43	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4756	SPB08	142	W 11th St	2267	Los Angeles	4	1.72	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4757	SPB08	143	W 1st St	1193	Los Angeles	4	0.90	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4758	SPB08	144	W 2nd St	1179	Los Angeles	4	0.89	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4759	SPB08	145	W 3rd St	121	Los Angeles	4	0.09	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4760	SPB08	146	W 5th St	91	Los Angeles	4	0.07	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4761	SPB08	147	W 7th St	178	Los Angeles	4	0.13	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4762	SPB08	148	W 8th St	2471	Los Angeles	4	1.87	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4763	SPB08	149	W Santa Cruz St	986	Los Angeles	4	0.75	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4764	SPB08	150	W Sepulveda St	790	Los Angeles	4	0.60	Minor-Local	60	6	3	4	4	0.4	5	15	MED			LA LB Harbor	
4765	SPB08	151		13907	Los Angeles	1	2.63	Alley	20	4	3	4	4	0.4	5	13	LOW			LA LB Harbor	
4766	SPB08	152	N Gaffey St	239	Los Angeles	6	0.27	Primary-Arterial	100	10	3	4	9	0.27	2	16	MED			LA LB Harbor	
4767	SPB08	153	S Gaffey St	1667	Los Angeles	6	1.89	Primary-Arterial	100	10	3	4	9	0.27	2	16	MED			LA LB Harbor	
4768	SPB08	154	W 6th St	1092	Los Angeles	4	0.83	Secondary-Collector	64	8	3	4	9	0.27	2	14	LOW			LA LB Harbor	
4769	SPB08	155		684	Los Angeles	4	0.52	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4770	SPB08	156	N Cabrillo Ave	38	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4771	SPB08	157	N Marshall Ct	41	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4772	SPB08	158	N Parker St	35	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4773	SPB08	159	S Cabrillo Ave	1871	Los Angeles	4	1.42	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4774	SPB08	160	S Meyler St	257	Los Angeles	4	0.19	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4775	SPB08	161	W 1st St	1505	Los Angeles	4	1.14	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4776	SPB08	162	W 2nd St	1559	Los Angeles	4	1.18	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4777	SPB08	163	W 3rd St	1713	Los Angeles	4	1.30	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4778	SPB08	164	W 4th St	1801	Los Angeles	4	1.36	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4779	SPB08	165	W 5th St	1746	Los Angeles	4	1.32	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4780	SPB08	166	W 7th St	187	Los Angeles	4	0.14	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4781	SPB08	167	W La Alameda Ave	37	Los Angeles	4	0.03	Minor-Local	60	6	3	4	9	0.27	2	12	LOW			LA LB Harbor	
4782	SPB08	168		8121	Los Angeles	1	1.54	Alley	20	4	3	4	9	0.27	2	10	LOW			LA LB Harbor	
4783	SPB08	169	Harker St	16	Los Angeles	4	0.01	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4784	SPB08	170	N Mesa St	204	Los Angeles	4	0.15	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4785	SPB08	171	W Oliver St	473	Los Angeles	4	0.36	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4786	SPB08	172		448	Los Angeles	1	0.08	Alley	20	4	3	4	13	0.45	6	14	LOW			LA LB Harbor	
4788	SPB08	174		97	CO	4	0.07	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4789	SPB08	175	Arcadia Dr	55	CO	4	0.04	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4790	SPB08	176	Canon Dr	520	CO	4	0.39	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4791	SPB08	177	N Bandini St	293	CO	4	0.22	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4792	SPB08	178	N Dunn St	27	CO	4	0.02	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4793	SPB08	179	Oro Ter	27	CO	4	0.02	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4794	SPB08	180	S Bandini St	1533	CO	4	1.16	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4795	SPB08	181	S Broadway Ave	340	CO	4	0.26	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4796	SPB08	182	S Harbor View Ave	30	CO	4	0.02	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4797	SPB08	183	S La Alameda Ave	519	CO	4	0.39	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4798	SPB08	184	S Walker Ave	647	CO	4	0.49	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4799	SPB08	185	W 1st St	737	CO	4	0.56	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4800	SPB08	186	W 2nd St	737	CO	4	0.56	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4801	SPB08	187	W 3rd St	1195	CO	4	0.91	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4802	SPB08	188	W 4th St	85	CO	4	0.06	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4803	SPB08	189	W 5th St	261	CO	4	0.20	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4804	SPB08	190	W 7th St	1168	CO	4	0.88	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4805	SPB08	191	W La Alameda Ave	261	CO	4	0.20	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4806	SPB08	192		2681	CO	1	0.51	Alley	20	4	4	2	4	0.4	5	11	LOW			LA LB Harbor	
4807	SPB08	193	N Western Ave	810	Los Angeles	6	0.92	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	
4808	SPB08	194	W 9th St	735	Los Angeles	6	0.84	Primary-Arterial	100	10	4	2	4	0.4	5	17	MED			LA LB Harbor	
4809	SPB08	195	S Weymouth Ave	1885	Los Angeles	4	1.43	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
4810	SPB08	196	W 6th St	44	Los Angeles	4	0.03	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			LA LB Harbor	
4811	SPB08	197		432	Los Angeles	4	0.33	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4812	SPB08	198	Big Canyon Pl	392	Los Angeles	4	0.30	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4813	SPB08	199	Meramec Ave	152	Los Angeles	4	0.11	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4814	SPB08	200	N Bandini St	196	Los Angeles	4	0.15	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4815	SPB08	201	N Dunn St	241	Los Angeles	4	0.18	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4816	SPB08	202	N Harbor View Ave	682	Los Angeles	4	0.52	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4817	SPB08	203	N Walker Ave	681	Los Angeles	4	0.52	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4818	SPB08	204	Oro Ter	41	Los Angeles	4	0.03	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4819	SPB08	205	S Averill Ave	458	Los Angeles	4	0.35	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4820	SPB08	206	S Dolphin St	328	Los Angeles	4	0.25	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4821	SPB08	207	S Harbor View Ave	1306	Los Angeles	4	0.99	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4822	SPB08	208	S Patton Ave	632	Los Angeles	4	0.48	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4823	SPB08	209	S Walker Ave	1263	Los Angeles	4	0.96	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4824	SPB08	210	S Weymouth Ave	666	Los Angeles	4	0.50	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4825	SPB08	211	Sunside St	141	Los Angeles	4	0.11	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4826	SPB08	212	W 10th St	2	Los Angeles	4	0.00	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4827	SPB08	213	W 12th St	668	Los Angeles	4	0.51	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4828	SPB08	214	W 1st St	1203	Los Angeles	4	0.91	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4829	SPB08	215	W 2nd St	845	Los Angeles	4	0.64	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4830	SPB08	216	W 3rd St	350	Los Angeles	4	0.27	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4831	SPB08	217	W 5th St	16	Los Angeles	4	0.01	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4832	SPB08	218	W 7th St	172	Los Angeles	4	0.13	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4833	SPB08	219	W 8th St	786	Los Angeles	4	0.60	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4834	SPB08	220	W Santa Cruz St	1671	Los Angeles	4	1.27	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4835	SPB08	221	W Sepulveda St	957	Los Angeles	4	0.73	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4836	SPB08	222	Woodland Dr	414	Los Angeles	4	0.31	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			LA LB Harbor	
4837	SPB08	223		6788	Los Angeles	1	1.29	Alley	20	4	4	2	4	0.4	5	11	LOW			LA LB Harbor	
4838	SPB09	1	N Front St	184	Los Angeles	6	0.21	Primary-Arterial	100	10	2	6	3	0.77	9	25	HIGH			LA LB Harbor	
4839	SPB09	2	Knoll Dr	201	Los Angeles	4	0.15	Minor-Local	60	6	2	6	3	0.77	9	21	HIGH			LA LB Harbor	
4840	SPB09	3	N Front St	208	Los Angeles	6	0.24	Primary-Arterial	100	10	1	8	3	0.77	9	27	HIGH			LA LB Harbor	
4841	SPB09	4		212	Los Angeles	4	0.16	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4842	SPB09	5	Knoll Dr	241	Los Angeles	4	0.18	Minor-Local	60	6	1	8	3	0.77	9	23	HIGH			LA LB Harbor	
4843	SPB09	6		10	Los Angeles	6	0.01	Highway	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	
4844	SPB09	7	State Route 47	10	Los Angeles	6	0.01	Highway	100	10	1	8	13	0.45	6	24	HIGH			LA LB Harbor	
4845	SPB09	8		1499	Los Angeles	6	1.70	Highway	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4846	SPB09	9	State Route 47	1499	Los Angeles	6	1.70	Highway	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4847	SPB09	10	N Harbor Blvd	715	Los Angeles	6	0.81	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			LA LB Harbor	
4848	SPB09	11		0	Los Angeles	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4849	SPB09	12	N Beacon St	296	Los Angeles	4	0.22	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4850	SPB09	13	N Centre St	256	Los Angeles	4	0.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4851	SPB09	14	N Palos Verdes St	225	Los Angeles	4	0.17	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4852	SPB09	15	Regan St	0	Los Angeles	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4853	SPB09	16	W O Farrell St	410	Los Angeles	4	0.31	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4854	SPB09	17	W Ofarrell St	1095	Los Angeles	4	0.83	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4855	SPB09	18		1375	Los Angeles	1	0.26	Alley	20	4	2	6	13	0.45	6	16	MED			LA LB Harbor	
4856	SPB09	19	N Harbor Blvd	590	Los Angeles	6	0.67	Primary-Arterial	100	10	2	6	16	0.36	4	20	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4857	SPB09	20	Knoll Dr	89	Los Angeles	4	0.07	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4858	SPB09	21	N Beacon St	790	Los Angeles	4	0.60	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4859	SPB09	22	N Palos Verdes St	212	Los Angeles	4	0.16	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4860	SPB09	23	W O Farrell St	438	Los Angeles	4	0.33	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
4861	SPB09	24		43	Los Angeles	1	0.01	Alley	20	4	2	6	16	0.36	4	14	LOW			LA LB Harbor	
4862	SPB09	25	N Center St	60	Los Angeles	4	0.05	Minor-Local	60	6	3	4	3	0.77	9	19	MED			LA LB Harbor	
4863	SPB09	26	Viewland Pl	177	Los Angeles	4	0.13	Minor-Local	60	6	3	4	3	0.77	9	19	MED			LA LB Harbor	
4864	SPB09	27		996	Los Angeles	6	1.13	Highway	100	10	3	4	13	0.45	6	20	HIGH			LA LB Harbor	
4865	SPB09	28	State Route 47	996	Los Angeles	6	1.13	Highway	100	10	3	4	13	0.45	6	20	HIGH			LA LB Harbor	
4866	SPB09	29	Harker St	440	Los Angeles	4	0.33	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4867	SPB09	30	N Centre St	515	Los Angeles	4	0.39	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4868	SPB09	31	N Mesa St	410	Los Angeles	4	0.31	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4869	SPB09	32	N Palos Verdes St	587	Los Angeles	4	0.44	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4870	SPB09	33	W Amar St	1208	Los Angeles	4	0.92	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4871	SPB09	34	W Oliver St	1137	Los Angeles	4	0.86	Minor-Local	60	6	3	4	13	0.45	6	16	MED			LA LB Harbor	
4872	SPB09	35		2492	Los Angeles	1	0.47	Alley	20	4	3	4	13	0.45	6	14	LOW			LA LB Harbor	
4873	SPB09	36		476	Los Angeles	4	0.36	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
4874	SPB09	37	Knoll Dr	877	Los Angeles	4	0.66	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
4875	SPB09	38	N Center St	319	Los Angeles	4	0.24	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
4876	SPB09	39	Viewland Pl	92	Los Angeles	4	0.07	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			LA LB Harbor	
4877	SPB09	40		100	Los Angeles	4	0.08	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
4878	SPB09	41	Knoll Dr	100	Los Angeles	4	0.08	Minor-Local	60	6	4	2	3	0.77	9	17	MED			LA LB Harbor	
4879	SPB09	42		159	Los Angeles	6	0.18	Highway	100	10	4	2	13	0.45	6	18	MED			LA LB Harbor	
4880	SPB09	43	State Route 47	159	Los Angeles	6	0.18	Highway	100	10	4	2	13	0.45	6	18	MED			LA LB Harbor	
4881	SPB09	44		115	Los Angeles	4	0.09	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
4882	SPB09	45	Knoll Dr	115	Los Angeles	4	0.09	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			LA LB Harbor	
4883	SPB10	1	Bay View Ave	443	Los Angeles	4	0.34	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4884	SPB10	2	McDonald Ave	185	Los Angeles	4	0.14	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4885	SPB10	3	N Neptune Ave	660	Los Angeles	4	0.50	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4886	SPB10	4	W C St	625	Los Angeles	4	0.47	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4887	SPB10	5		497	Los Angeles	1	0.09	Alley	20	4	0	10	3	0.77	9	23	HIGH			LA LB Harbor	
4888	SPB10	6	N Wilmington Blvd	3166	Los Angeles	6	3.60	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4889	SPB10	7	W Anaheim St	945	Los Angeles	6	1.07	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4890	SPB10	8	W Harry Bridges Blvd	126	Los Angeles	6	0.14	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			LA LB Harbor	
4891	SPB10	9	Alton St	865	Los Angeles	4	0.66	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4892	SPB10	10	Bay View Ave	2662	Los Angeles	4	2.02	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4893	SPB10	11	Craven St	395	Los Angeles	4	0.30	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4894	SPB10	12	Hawaiian Ave	2636	Los Angeles	4	2.00	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4895	SPB10	13	King Ave	2764	Los Angeles	4	2.09	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4896	SPB10	14	Lagoon Ave	978	Los Angeles	4	0.74	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4897	SPB10	15	McDonald Ave	2949	Los Angeles	4	2.23	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4898	SPB10	16	N Gulf Ave	3125	Los Angeles	4	2.37	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4899	SPB10	17	N Neptune Ave	2432	Los Angeles	4	1.84	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4900	SPB10	18	W C St	1751	Los Angeles	4	1.33	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4901	SPB10	19	W D St	2418	Los Angeles	4	1.83	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4902	SPB10	20	W E St	2406	Los Angeles	4	1.82	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4903	SPB10	21	W F St	2843	Los Angeles	4	2.15	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4904	SPB10	22	W G St	2855	Los Angeles	4	2.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4905	SPB10	23		15671	Los Angeles	1	2.97	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
4907	SPB11	2		532	Los Angeles	4	0.40	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4908	SPB11	3	Island Ave	1180	Los Angeles	4	0.89	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4909	SPB11	4	Lagoon Ave	733	Los Angeles	4	0.56	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4910	SPB11	5	N Fries Ave	1829	Los Angeles	4	1.39	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4911	SPB11	6	N Marine Ave	2057	Los Angeles	4	1.56	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4912	SPB11	7	S Fries Ave	662	Los Angeles	4	0.50	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4913	SPB11	8	W A St	672	Los Angeles	4	0.51	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4914	SPB11	9	W C St	1589	Los Angeles	4	1.20	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4915	SPB11	10	W D St	1055	Los Angeles	4	0.80	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4916	SPB11	11		3346	Los Angeles	1	0.63	Alley	20	4	0	10	3	0.77	9	23	HIGH			LA LB Harbor	
4918	SPB11	13	Bay View Ave	37	Los Angeles	4	0.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4919	SPB11	14	Bayview Ave	748	Los Angeles	4	0.57	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4920	SPB11	15	Island Ave	3137	Los Angeles	4	2.38	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4921	SPB11	16	Lagoon Ave	2356	Los Angeles	4	1.78	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4922	SPB11	17	McDonald Ave	14	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4923	SPB11	18	N Bayview Ave	1071	Los Angeles	4	0.81	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4925	SPB11	20	N Gulf Ave	493	Los Angeles	4	0.37	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4926	SPB11	21	N Island Ave	586	Los Angeles	4	0.44	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4927	SPB11	22	N Lagoon Ave	1532	Los Angeles	4	1.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4928	SPB11	23	N Marine Ave	1354	Los Angeles	4	1.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4929	SPB11	24	N McDonald Ave	1046	Los Angeles	4	0.79	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4930	SPB11	25	N Neptune Ave	3010	Los Angeles	4	2.28	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4931	SPB11	26	N Ravenna Ave	2219	Los Angeles	4	1.68	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4932	SPB11	27	Ronan Ave	543	Los Angeles	4	0.41	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4933	SPB11	28	Ross Pl	508	Los Angeles	4	0.39	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4934	SPB11	29	W D St	340	Los Angeles	4	0.26	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4937	SPB11	32	W F St	1169	Los Angeles	4	0.89	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4939	SPB11	34	W I St	2067	Los Angeles	4	1.57	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4940	SPB11	35	W L St	868	Los Angeles	4	0.66	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4942	SPB11	37		8130	Los Angeles	1	1.54	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
4945	SPB12	3	W Harry Bridges Blvd	78	Los Angeles	6	0.09	Primary-Arterial	100	10	0	10	3	0.77	9	29	HIGH			LA LB Harbor	
4946	SPB12	4	Broad Ave	2321	Los Angeles	4	1.76	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4947	SPB12	5	E C St	1153	Los Angeles	4	0.87	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4948	SPB12	6	E D St	1141	Los Angeles	4	0.86	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4950	SPB12	8	E Water St	63	Los Angeles	4	0.05	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4951	SPB12	9	Lakme Ave	1351	Los Angeles	4	1.02	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4953	SPB12	11	N Marine Ave	3	Los Angeles	4	0.00	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4955	SPB12	13	S Broad Ave	427	Los Angeles	4	0.32	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4956	SPB12	14	W A St	233	Los Angeles	4	0.18	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4957	SPB12	15	W C St	25	Los Angeles	4	0.02	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4958	SPB12	16	W D St	213	Los Angeles	4	0.16	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4960	SPB12	18	W Water St	4	Los Angeles	4	0.00	Minor-Local	60	6	0	10	3	0.77	9	25	HIGH			LA LB Harbor	
4961	SPB12	19		1943	Los Angeles	1	0.37	Alley	20	4	0	10	3	0.77	9	23	HIGH			LA LB Harbor	
4965	SPB12	23	Avalon Pl	16	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4966	SPB12	24	Broad Ave	1143	Los Angeles	4	0.87	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4967	SPB12	25	E Denni St	4	Los Angeles	4	0.00	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4968	SPB12	26	E F St	579	Los Angeles	4	0.44	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4970	SPB12	28	E I St	101	Los Angeles	4	0.08	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4971	SPB12	29	E L St	8	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4974	SPB12	32	N Island Ave	949	Los Angeles	4	0.72	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4975	SPB12	33	N Marine Ave	3402	Los Angeles	4	2.58	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4978	SPB12	36	W F St	421	Los Angeles	4	0.32	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4980	SPB12	38	W I St	418	Los Angeles	4	0.32	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4981	SPB12	39	W L St	1114	Los Angeles	4	0.84	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			LA LB Harbor	
4983	SPB12	41		6674	Los Angeles	1	1.26	Alley	20	4	0	10	14	0.81	10	24	HIGH			LA LB Harbor	
4984	UNION	1		2771	Los Angeles	4	2.10	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			LA LB Harbor	
4985	UNION	2		2936	Los Angeles	4	2.22	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4986	UNION	3	Road 10	154	Los Angeles	4	0.12	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4987	UNION	4	Road 12	1799	Los Angeles	4	1.36	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
4988	UNION	5	Road 3	397	Los Angeles	4	0.30	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4989	UNION	6	Road A	737	Los Angeles	4	0.56	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4990	UNION	7	Road B	752	Los Angeles	4	0.57	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4991	UNION	8	Road C	750	Los Angeles	4	0.57	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4992	UNION	9	Road D	752	Los Angeles	4	0.57	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4993	UNION	10	Road E	753	Los Angeles	4	0.57	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4994	UNION	11	Road F	593	Los Angeles	4	0.45	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			LA LB Harbor	
4995	UNION	12		1474	Los Angeles	4	1.12	Minor-Local	60	6	1	8	16	0.36	4	18	MED			LA LB Harbor	
4996	UNION	13		35	Los Angeles	4	0.03	Minor-Local	60	6	2	6	13	0.45	6	18	MED			LA LB Harbor	
4997	UNION	14		4570	Los Angeles	4	3.46	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
4998	UNION	15	Road 10	899	Los Angeles	4	0.68	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
4999	UNION	16	Road 12	810	Los Angeles	4	0.61	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5000	UNION	17	Road 3	1708	Los Angeles	4	1.29	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5001	UNION	18	Road A	737	Los Angeles	4	0.56	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5002	UNION	19	Road B	175	Los Angeles	4	0.13	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5003	UNION	20	Road C	908	Los Angeles	4	0.69	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5004	UNION	21	Road D	1120	Los Angeles	4	0.85	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5005	UNION	22	Road E	564	Los Angeles	4	0.43	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5006	UNION	23	Road G	936	Los Angeles	4	0.71	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5007	UNION	24	Road H	359	Los Angeles	4	0.27	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			LA LB Harbor	
5008	UNION	25		1076	Los Angeles	4	0.81	Minor-Local	60	6	2	6	16	0.36	4	16	MED			LA LB Harbor	
5009	UNION	26		3733	Los Angeles	4	2.83	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5010	UNION	27	Road 10	2341	Los Angeles	4	1.77	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5011	UNION	28	Road 12	971	Los Angeles	4	0.74	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5012	UNION	29	Road 3	1443	Los Angeles	4	1.09	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5013	UNION	30	Road 8	1995	Los Angeles	4	1.51	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5014	UNION	31	Road A	151	Los Angeles	4	0.11	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5015	UNION	32	Road B	207	Los Angeles	4	0.16	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5016	UNION	33	Road C	187	Los Angeles	4	0.14	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5017	UNION	34	Road D	101	Los Angeles	4	0.08	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5018	UNION	35	Road E	752	Los Angeles	4	0.57	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5019	UNION	36	Road F	1504	Los Angeles	4	1.14	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5020	UNION	37	Road G	1166	Los Angeles	4	0.88	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5021	UNION	38	Road H	1599	Los Angeles	4	1.21	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5022	UNION	39	Tosco Ln	9	Los Angeles	4	0.01	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			LA LB Harbor	
5023	UNION	40		473	Los Angeles	4	0.36	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5024	UNION	41	Road 3	599	Los Angeles	4	0.45	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5025	UNION	42	Road 8	883	Los Angeles	4	0.67	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5026	UNION	43	Road A	698	Los Angeles	4	0.53	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5027	UNION	44	Road B	752	Los Angeles	4	0.57	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5028	UNION	45	Road C	751	Los Angeles	4	0.57	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5029	UNION	46	Road D	751	Los Angeles	4	0.57	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
5030	UNION	47	Road E	752	Los Angeles	4	0.57	Minor-Local	60	6	4	2	14	0.81	10	18	MED			LA LB Harbor	
382	BI1103	4		1317	Los Angeles	4	1.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
383	BI1103	5	Campus Dr	876	Los Angeles	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
384	BI1103	6	Comber Pl	312	Los Angeles	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
385	BI1103	7	Dodge Ave	1349	Los Angeles	4	1.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
386	BI1103	8	Eudora Ave	958	Los Angeles	4	0.73	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
387	BI1103	9	Figueroa Pl	1729	Los Angeles	4	1.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
388	BI1103	10	Frigate Ave	972	Los Angeles	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
389	BI1103	11	Harborlight Dr	2122	Los Angeles	4	1.61	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
390	BI1103	12	L St	3495	Los Angeles	4	2.65	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
391	BI1103	13	Lagoon Dr	2553	Los Angeles	4	1.93	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
392	BI1103	14	Lighthouse Dr	1412	Los Angeles	4	1.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
393	BI1103	15	Lynton Ave	305	Los Angeles	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
394	BI1103	16	McCoy Ave	185	Los Angeles	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
395	BI1103	17	Palm Breeze Ln	905	Los Angeles	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
396	BI1103	18	Pine Creek Ln	3142	Los Angeles	4	2.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
397	BI1103	19	Pine Creek Ter	2743	Los Angeles	4	2.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
398	BI1103	20	Rocky Point Rd	867	Los Angeles	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
399	BI1103	21	Surf Ct	515	Los Angeles	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
400	BI1103	22	W 255th St	285	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
401	BI1103	23	W Cruces St	585	Los Angeles	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
402	BI1103	24	W Dolores St	414	Los Angeles	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
403	BI1103	25	W M St	1135	Los Angeles	4	0.86	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
404	BI1103	26	W Mauretania St	1125	Los Angeles	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
405	BI1103	27	W Q St	216	Los Angeles	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
406	BI1103	28	W Robidoux St	1017	Los Angeles	4	0.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
407	BI1103	29	W Sandison St	580	Los Angeles	4	0.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
410	BI1103	32		339	Los Angeles	4	0.26	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
411	BI1103	33	Figueroa Pl	291	Los Angeles	4	0.22	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
412	BI1103	34	Frigate Ave	1354	Los Angeles	4	1.03	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
413	BI1103	35	Van Tress Ave	309	Los Angeles	4	0.23	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
414	BI1103	36	W Cruces St	1172	Los Angeles	4	0.89	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
415	BI1103	37	W Dolores St	1307	Los Angeles	4	0.99	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
416	BI1103	38	W G St	114	Los Angeles	4	0.09	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
417	BI1103	39	W I St	246	Los Angeles	4	0.19	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
418	BI1103	40	W Mauretania St	550	Los Angeles	4	0.42	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
419	BI1103	41	W Q St	76	Los Angeles	4	0.06	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
420	BI1103	42	W Sandison St	863	Los Angeles	4	0.65	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
421	BI1103	43		583	Los Angeles	1	0.11	Alley	20	4	0	10	14	0.81	10	24	HIGH			Machado Lake	
422	BI1103	44	S Vermont Ave	31	CO	6	0.04	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
423	BI1103	45	McCoy Ave	29	CO	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
427	BI1103	49	W Anaheim St	891	Los Angeles	6	1.01	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
428	BI1103	50		3513	Los Angeles	4	2.66	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
429	BI1103	51	255th St	648	Los Angeles	4	0.49	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
430	BI1103	52	Adamite Ter	68	Los Angeles	4	0.05	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
431	BI1103	53	Baycrest Ct	682	Los Angeles	4	0.52	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
432	BI1103	54	Baycrest Ln	420	Los Angeles	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
433	BI1103	55	Bayside Pl	933	Los Angeles	4	0.71	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
434	BI1103	56	Bayview Ln	613	Los Angeles	4	0.46	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
435	BI1103	57	Bixby Ave	586	Los Angeles	4	0.44	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
436	BI1103	58	Broadwell Ave	336	Los Angeles	4	0.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
437	BI1103	59	Doble Ave	250	Los Angeles	4	0.19	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
438	BI1103	60	Dodge Ave	3	Los Angeles	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
439	BI1103	61	Flint Dr	70	Los Angeles	4	0.05	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
440	BI1103	62	Harbor Heights Dr	988	Los Angeles	4	0.75	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
441	BI1103	63	Harbor Village Dr	989	Los Angeles	4	0.75	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
442	BI1103	64	Harbor Village Pl	640	Los Angeles	4	0.49	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
443	BI1103	65	Marigold Ave	1001	Los Angeles	4	0.76	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
444	BI1103	66	McCoy Ave	1772	Los Angeles	4	1.34	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
445	BI1103	67	Pebble Dr	74	Los Angeles	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
446	BI1103	68	Petroleum Ave	305	Los Angeles	4	0.23	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
447	BI1103	69	Portside Ln	332	Los Angeles	4	0.25	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
448	BI1103	70	Sandstone Ln	154	Los Angeles	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
449	BI1103	71	W 253rd St	1207	Los Angeles	4	0.91	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
450	BI1103	72	W 254th St	82	Los Angeles	4	0.06	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
451	BI1103	73	W 255th St	464	Los Angeles	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
452	BI1103	74	W 256th St	42	Los Angeles	4	0.03	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
453	BI1103	75	W 257th St	984	Los Angeles	4	0.75	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
454	BI1103	76	W 259th St	524	Los Angeles	4	0.40	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
455	BI1103	77		395	Los Angeles	1	0.07	Alley	20	4	1	8	13	0.45	6	18	MED			Machado Lake	
458	BI1103	80		895	Los Angeles	4	0.68	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Machado Lake	
459	BI1103	81	Road 3	305	Los Angeles	4	0.23	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Machado Lake	
460	BI1103	82	Tosco Ln	267	Los Angeles	4	0.20	Minor-Local	60	6	1	8	14	0.81	10	24	HIGH			Machado Lake	
462	BI1103	84		264	Los Angeles	4	0.20	Minor-Local	60	6	1	8	16	0.36	4	18	MED			Machado Lake	
466	BI1103	88		1074	Los Angeles	4	0.81	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
469	BI1103	91	Road 10	219	Los Angeles	4	0.17	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Machado Lake	
470	BI1103	92	Road 3	105	Los Angeles	4	0.08	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Machado Lake	
471	BI1103	93	Road H	145	Los Angeles	4	0.11	Minor-Local	60	6	2	6	14	0.81	10	22	HIGH			Machado Lake	
474	BI1103	96		516	Los Angeles	4	0.39	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	
475	BI1103	97	Western Ave	888	Lomita	6	1.01	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
476	BI1103	98		1498	Lomita	4	1.14	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
477	BI1103	99	Harbor Hills	64	Lomita	4	0.05	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
478	BI1103	100	Peninsula Verde Dr	5	Lomita	4	0.00	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
480	BI1103	102	Palos Verdes Dr N	386	Los Angeles	6	0.44	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
482	BI1103	104	W Anaheim St	1317	Los Angeles	6	1.50	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
483	BI1103	105		5773	Los Angeles	4	4.37	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
484	BI1103	106	Pines Estates Dr	66	Los Angeles	4	0.05	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
485	BI1103	107		572	Los Angeles	4	0.43	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			Machado Lake	
486	BI1103	108	Road 10	359	Los Angeles	4	0.27	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			Machado Lake	
487	BI1103	109	Tosco Ln	217	Los Angeles	4	0.16	Minor-Local	60	6	3	4	14	0.81	10	20	HIGH			Machado Lake	
488	BI1103	110		277	Los Angeles	4	0.21	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			Machado Lake	
489	BI1103	111	Palos Verdes Dr N	277	Lomita	6	0.31	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
490	BI1103	112	Western Ave	410	Lomita	6	0.47	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
491	BI1103	113		996	Lomita	4	0.75	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
492	BI1103	114	Alta Vista Ave	4	Lomita	4	0.00	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
493	BI1103	115	Harbor Hills	67	Lomita	4	0.05	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
494	BI1103	116	Palos Verdes Dr N	1617	Los Angeles	6	1.84	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
495	BI1103	117	W Anaheim St	442	Los Angeles	6	0.50	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
496	BI1103	118		5033	Los Angeles	4	3.81	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
497	BI1103	119	Agajanian Dr	377	Los Angeles	4	0.29	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
498	BI1103	120	Belle Porte Ave	583	Los Angeles	4	0.44	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
499	BI1103	121	Camino Caro	200	Los Angeles	4	0.15	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
500	BI1103	122	Camino Largo	594	Los Angeles	4	0.45	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
501	BI1103	123	Camino Mayo	24	Los Angeles	4	0.02	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
502	BI1103	124	Camino Raso	343	Los Angeles	4	0.26	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
503	BI1103	125	Camino Verde	751	Los Angeles	4	0.57	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
504	BI1103	126	Camino Vista	368	Los Angeles	4	0.28	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
505	BI1103	127	Leesdale Ave	337	Los Angeles	4	0.26	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
506	BI1103	128	Pines Estates Ct	97	Los Angeles	4	0.07	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
507	BI1103	129	Pines Estates Dr	482	Los Angeles	4	0.37	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
508	BI1103	130	Uss Antietam	398	Los Angeles	4	0.30	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
509	BI1103	131	Uss Missouri	135	Los Angeles	4	0.10	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
510	BI1103	132	Uss New Jersey	1010	Los Angeles	4	0.77	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
511	BI1103	133	Uss Ogden	465	Los Angeles	4	0.35	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
512	BI1103	134	W 263rd St	414	Los Angeles	4	0.31	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
513	BI1103	135	W 264th St	303	Los Angeles	4	0.23	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
514	BI1103	136	W 266th St	602	Los Angeles	4	0.46	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
515	BI1103	137	N Gaffey St	3	Los Angeles	6	0.00	Primary-Arterial	100	10	4	2	14	0.81	10	22	HIGH			Machado Lake	
517	BI1103	139		716	Los Angeles	4	0.54	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
518	BI1103	140	Agajanian Dr	622	Los Angeles	4	0.47	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1872	BI510A	2	Eudora Ave	1435	Los Angeles	4	1.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1873	BI510A	3	Frigate Ave	205	Los Angeles	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1874	BI510A	4	Lynton Ave	291	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1875	BI510A	5	Van Tress Ave	1082	Los Angeles	4	0.82	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1876	BI510A	6	W Chandler St	155	Los Angeles	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1877	BI510A	7	W Dolores St	151	Los Angeles	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1878	BI510A	8	W Don St	633	Los Angeles	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1879	BI510A	9	W Q St	596	Los Angeles	4	0.45	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1880	BI510A	10	W R St	685	Los Angeles	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
1881	BI510A	11	Avalon Blvd	1160	Los Angeles	6	1.32	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Machado Lake	
1882	BI510A	12	E Lomita Blvd	127	Los Angeles	6	0.14	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Machado Lake	
1883	BI510A	13	Lomita Blvd	901	Los Angeles	6	1.02	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Machado Lake	
1884	BI510A	14	N Wilmington Blvd	5	Los Angeles	6	0.01	Primary-Arterial	100	10	0	10	14	0.81	10	30	HIGH			Machado Lake	
1885	BI510A	15		12	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1886	BI510A	16	Albatross Ave	213	Los Angeles	4	0.16	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1887	BI510A	17	Bayview Ave	13	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1888	BI510A	18	Broad Ave	1260	Los Angeles	4	0.95	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1889	BI510A	19	E 246th St	528	Los Angeles	4	0.40	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1890	BI510A	20	E 247th St	197	Los Angeles	4	0.15	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1891	BI510A	21	E 248th St	395	Los Angeles	4	0.30	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1892	BI510A	22	E 249th St	497	Los Angeles	4	0.38	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1893	BI510A	23	Frigate Ave	1474	Los Angeles	4	1.12	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1894	BI510A	24	N Gulf Ave	7	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1895	BI510A	25	N Island Ave	12	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1896	BI510A	26	N Lagoon Ave	8	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1897	BI510A	27	N Neptune Ave	14	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1898	BI510A	28	N Ravenna Ave	11	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1899	BI510A	29	S Lagoon Ave	12	Los Angeles	4	0.01	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1900	BI510A	30	S Neptune Ave	2	Los Angeles	4	0.00	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1901	BI510A	31	Van Tress Ave	437	Los Angeles	4	0.33	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1902	BI510A	32	W Chandler St	1107	Los Angeles	4	0.84	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1903	BI510A	33	W Don St	683	Los Angeles	4	0.52	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1904	BI510A	34	W Lowen St	1235	Los Angeles	4	0.94	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1905	BI510A	35	W Q St	1266	Los Angeles	4	0.96	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1906	BI510A	36	W R St	915	Los Angeles	4	0.69	Minor-Local	60	6	0	10	14	0.81	10	26	HIGH			Machado Lake	
1907	BI510A	37		1339	Los Angeles	1	0.25	Alley	20	4	0	10	14	0.81	10	24	HIGH			Machado Lake	
2671	BI77A	1	Pacific Coast Hwy	765	Los Angeles	6	0.87	Highway	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	
2672	BI77A	2	Western Ave	22	Los Angeles	6	0.03	Highway	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	
2673	BI77A	3	Normandie Ave	1943	Los Angeles	6	2.21	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	
2674	BI77A	4	Reed St	226	Lomita	4	0.17	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Machado Lake	
2675	BI77A	5	Pacific Coast Hwy	829	Lomita	6	0.94	Highway	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	
2676	BI77A	6	258th Pl	469	Lomita	4	0.36	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2677	BI77A	7	259th St	404	Lomita	4	0.31	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2678	BI77A	8	Appian Wy	592	Lomita	4	0.45	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2679	BI77A	9	Cayuga Ave	683	Lomita	4	0.52	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2680	BI77A	10	Market Pl	224	Lomita	4	0.17	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2681	BI77A	11	W 259th St	257	Lomita	4	0.19	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2682	BI77A	12	Pacific Coast Hwy	181	Lomita	6	0.21	Highway	100	10	2	6	16	0.36	4	20	HIGH			Machado Lake	
2683	BI77A	13	259th St	59	Lomita	4	0.04	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	
2684	BI77A	14	Appian Wy	375	Lomita	4	0.28	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	
2685	BI77A	15	Avocado St	204	Lomita	4	0.15	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	
2686	BI77A	16	Oak St	669	Lomita	4	0.51	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	
2687	BI77A	17	Oakwood Ridge Ln	57	Lomita	4	0.04	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	
2688	BI77A	18	Walnut St	672	Lomita	4	0.51	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2689	BI77A	19	Palos Verdes Dr N	1254	Lomita	6	1.42	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Machado Lake	
2690	BI77A	20	Rolling Vista Dr	892	Lomita	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2691	BI77A	21	Via Desmonde	468	Lomita	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2692	BI77A	22	Belle Porte Ave	1343	Los Angeles	4	1.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2693	BI77A	23	Frampton Ave	2506	Los Angeles	4	1.90	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2694	BI77A	24	Marigold Ave	327	Los Angeles	4	0.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2695	BI77A	25	President Ave	2396	Los Angeles	4	1.82	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2696	BI77A	26	Senator Ave	2395	Los Angeles	4	1.81	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2697	BI77A	27	W 252nd St	1923	Los Angeles	4	1.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2698	BI77A	28	W 253rd St	2922	Los Angeles	4	2.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2699	BI77A	29	W 254th St	2802	Los Angeles	4	2.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2700	BI77A	30	W 255th St	2971	Los Angeles	4	2.25	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2701	BI77A	31	W 256th St	1755	Los Angeles	4	1.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2702	BI77A	32	W 257th St	2359	Los Angeles	4	1.79	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2703	BI77A	33	W 259th St	253	Los Angeles	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Machado Lake	
2704	BI77A	34		13020	Los Angeles	1	2.47	Alley	20	4	0	10	13	0.45	6	20	HIGH			Machado Lake	
2705	BI77A	35	Pacific Coast Hwy	1490	Los Angeles	6	1.69	Highway	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
2706	BI77A	36	Western Ave	882	Los Angeles	6	1.00	Highway	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
2707	BI77A	37	Normandie Ave	100	Los Angeles	6	0.11	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Machado Lake	
2708	BI77A	38		188	Los Angeles	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2709	BI77A	39	Adamite Ter	192	Los Angeles	4	0.15	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2710	BI77A	40	Belle Porte Ave	882	Los Angeles	4	0.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2711	BI77A	41	Flint Dr	190	Los Angeles	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2712	BI77A	42	Frampton Ave	1032	Los Angeles	4	0.78	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2713	BI77A	43	Marigold Ave	611	Los Angeles	4	0.46	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2714	BI77A	44	Pebble Dr	186	Los Angeles	4	0.14	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2715	BI77A	45	Petroleum Ave	527	Los Angeles	4	0.40	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2716	BI77A	46	President Ave	882	Los Angeles	4	0.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2717	BI77A	47	Riverrock Dr	164	Los Angeles	4	0.12	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2718	BI77A	48	Senator Ave	882	Los Angeles	4	0.67	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2719	BI77A	49	Slate Ave	172	Los Angeles	4	0.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2720	BI77A	50	Stonehaven Dr	775	Los Angeles	4	0.59	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2721	BI77A	51	Tiger Eye Dr	127	Los Angeles	4	0.10	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2722	BI77A	52	W 252nd St	625	Los Angeles	4	0.47	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2723	BI77A	53	W 253rd St	997	Los Angeles	4	0.75	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2724	BI77A	54	W 254th St	767	Los Angeles	4	0.58	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2725	BI77A	55	W 255th St	253	Los Angeles	4	0.19	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2726	BI77A	56	W 256th St	1079	Los Angeles	4	0.82	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2727	BI77A	57	W 257th St	742	Los Angeles	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2728	BI77A	58	W 259th St	1600	Los Angeles	4	1.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Machado Lake	
2729	BI77A	59		5618	Los Angeles	1	1.06	Alley	20	4	1	8	13	0.45	6	18	MED			Machado Lake	
2730	BI77A	60	Eshelman Ave	661	Lomita	4	0.50	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Machado Lake	
2731	BI77A	61	Pacific Coast Hwy	979	Los Angeles	6	1.11	Highway	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	
2732	BI77A	62	Western Ave	201	Los Angeles	6	0.23	Highway	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	
2733	BI77A	63	Western Ave	681	Los Angeles	6	0.77	Primary-Arterial	100	10	2	6	13	0.45	6	22	HIGH			Machado Lake	
2734	BI77A	64	258th Pl	331	Los Angeles	4	0.25	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2735	BI77A	65	Belle Porte Ave	886	Los Angeles	4	0.67	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2736	BI77A	66	Senator Ave	273	Los Angeles	4	0.21	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2737	BI77A	67	W 259th St	1018	Los Angeles	4	0.77	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2738	BI77A	68	W 260th St	531	Los Angeles	4	0.40	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2739	BI77A	69	W 261st St	268	Los Angeles	4	0.20	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Machado Lake	
2740	BI77A	70		1925	Los Angeles	1	0.36	Alley	20	4	2	6	13	0.45	6	16	MED			Machado Lake	
2741	BI77A	71	Narbonne Ave	677	Lomita	4	0.51	Secondary-Collector	64	8	3	4	4	0.4	5	17	MED			Machado Lake	
2742	BI77A	72	Cypress St	686	Lomita	4	0.52	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2743	BI77A	73	Lucille Ave	683	Lomita	4	0.52	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Machado Lake	
2744	BI77A	74	Viana Ave	696	Lomita	4	0.53	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Machado Lake	
2745	BI77A	75	Palos Verdes Dr N	41	Lomita	6	0.05	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
2746	BI77A	76	Harbor Hills	369	Lomita	4	0.28	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2747	BI77A	77	Rolling Vista Dr	1108	Lomita	4	0.84	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2748	BI77A	78	Via Desmonde	932	Lomita	4	0.71	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2749	BI77A	79	Via Encanto	41	Lomita	4	0.03	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2750	BI77A	80	Via Marquette	697	Lomita	4	0.53	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2751	BI77A	81	Via Nova	361	Lomita	4	0.27	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2752	BI77A	82	Via Tampa	178	Lomita	4	0.14	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2753	BI77A	83	Via Vera	8	Lomita	4	0.01	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2754	BI77A	84	Oakwood Ridge Ln	185	Lomita	4	0.14	Minor-Local	60	6	3	4	16	0.36	4	14	LOW			Machado Lake	
2755	BI77A	85	W Anaheim St	1621	Los Angeles	6	1.84	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
2756	BI77A	86	Western Ave	185	Los Angeles	6	0.21	Primary-Arterial	100	10	3	4	13	0.45	6	20	HIGH			Machado Lake	
2757	BI77A	87		674	Los Angeles	4	0.51	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2758	BI77A	88	Frampton Ave	613	Los Angeles	4	0.46	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2759	BI77A	89	Governor Ave	616	Los Angeles	4	0.47	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2760	BI77A	90	President Ave	780	Los Angeles	4	0.59	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2761	BI77A	91	W 259th Pl	1059	Los Angeles	4	0.80	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2762	BI77A	92	W 260th St	1473	Los Angeles	4	1.12	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2763	BI77A	93	W 261st St	1473	Los Angeles	4	1.12	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2764	BI77A	94	W 262nd St	707	Los Angeles	4	0.54	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2765	BI77A	95	Zephyr Ave	1	Los Angeles	4	0.00	Minor-Local	60	6	3	4	13	0.45	6	16	MED			Machado Lake	
2766	BI77A	96	Narbonne Ave	882	Lomita	4	0.67	Secondary-Collector	64	8	4	2	4	0.4	5	15	MED			Machado Lake	
2767	BI77A	97	259th Pl	491	Lomita	4	0.37	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2768	BI77A	98	261st St	60	Lomita	4	0.05	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2769	BI77A	99	262nd St	505	Lomita	4	0.38	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2770	BI77A	100	Cypress St	634	Lomita	4	0.48	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2771	BI77A	101	Danmar Ct	129	Lomita	4	0.10	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2772	BI77A	102	Eshelman Ave	614	Lomita	4	0.46	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2773	BI77A	103	Garner St	315	Lomita	4	0.24	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2774	BI77A	104	Lucille Ave	605	Lomita	4	0.46	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2775	BI77A	105	Murad Ave	56	Lomita	4	0.04	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2776	BI77A	106	Pennsylvania Ave	139	Lomita	4	0.11	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2777	BI77A	107	Pennsylvania Dr	82	Lomita	4	0.06	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2778	BI77A	108	Viana Ave	259	Lomita	4	0.20	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Machado Lake	
2779	BI77A	109	Palos Verdes Dr N	1266	Lomita	6	1.44	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
2780	BI77A	110	Western Ave	813	Lomita	6	0.92	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
2781	BI77A	111	259th Pl	651	Lomita	4	0.49	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2782	BI77A	112	260th St	691	Lomita	4	0.52	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2783	BI77A	113	261st St	717	Lomita	4	0.54	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2784	BI77A	114	262nd St	664	Lomita	4	0.50	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2785	BI77A	115	264th St	203	Lomita	4	0.15	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2786	BI77A	116	Alta Vista Ave	8	Lomita	4	0.01	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2787	BI77A	117	Cayuga Ave	968	Lomita	4	0.73	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2788	BI77A	118	Fairview Ave	622	Lomita	4	0.47	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2789	BI77A	119	Glentree Dr	102	Lomita	4	0.08	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2790	BI77A	120	Harbor Hills	1371	Lomita	4	1.04	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2791	BI77A	121	Market Pl	265	Lomita	4	0.20	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2792	BI77A	122	Ovid Ave	215	Lomita	4	0.16	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2793	BI77A	123	Rolling Vista Dr	361	Lomita	4	0.27	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2794	BI77A	124	Via Encanto	77	Lomita	4	0.06	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2795	BI77A	125	Via Madonna	718	Lomita	4	0.54	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2796	BI77A	126	Via Marquette	246	Lomita	4	0.19	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
2797	BI77A	127	Via Vera	123	Lomita	4	0.09	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2798	BI77A	128	W 259th Pl	4	Lomita	4	0.00	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2799	BI77A	129	W 260th St	5	Lomita	4	0.00	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2800	BI77A	130	W 262nd St	67	Lomita	4	0.05	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2801	BI77A	131	259th Pl	1038	Lomita	4	0.79	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2802	BI77A	132	260th St	504	Lomita	4	0.38	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2803	BI77A	133	261st St	1234	Lomita	4	0.93	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2804	BI77A	134	262nd St	1540	Lomita	4	1.17	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2805	BI77A	135	Appian Wy	1078	Lomita	4	0.82	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2806	BI77A	136	Avocado St	248	Lomita	4	0.19	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2807	BI77A	137	Eshelman Ave	224	Lomita	4	0.17	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2808	BI77A	138	Monte Vista Ave	11	Lomita	4	0.01	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2809	BI77A	139	Oak St	943	Lomita	4	0.71	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2810	BI77A	140	Ocean View Ave	11	Lomita	4	0.01	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2811	BI77A	141	Regent Ave	616	Lomita	4	0.47	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2812	BI77A	142	Walnut St	25	Lomita	4	0.02	Minor-Local	60	6	4	2	16	0.36	4	12	LOW			Machado Lake	
2813	BI77A	143	Palos Verdes Dr N	17	Los Angeles	6	0.02	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
2814	BI77A	144	W Anaheim St	607	Los Angeles	6	0.69	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
2815	BI77A	145	Western Ave	531	Los Angeles	6	0.60	Primary-Arterial	100	10	4	2	13	0.45	6	18	MED			Machado Lake	
2816	BI77A	146	261st St	53	Los Angeles	4	0.04	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2817	BI77A	147	Belle Porte Ave	299	Los Angeles	4	0.23	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2818	BI77A	148	Ozone Ave	6	Los Angeles	4	0.00	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2819	BI77A	149	W 259th Pl	282	Los Angeles	4	0.21	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2820	BI77A	150	W 260th St	282	Los Angeles	4	0.21	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2821	BI77A	151	W 261st St	229	Los Angeles	4	0.17	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
2822	BI77A	152	W 262nd St	283	Los Angeles	4	0.21	Minor-Local	60	6	4	2	13	0.45	6	14	LOW			Machado Lake	
532	BI1104-1	1	Laura Lee Ln	280	Lomita	4	0.21	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
533	BI1104-1	2	Oak St	578	Lomita	4	0.44	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
534	BI1104-1	3	Woodward Ave	434	Lomita	4	0.33	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
535	BI1104-1	4	Lucille Ave	878	Lomita	4	0.66	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
536	BI1104-1	5	Oak St	324	Lomita	4	0.25	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
537	BI1104-1	6	Stratford Dr	36	Lomita	4	0.03	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
538	BI1104-1	7	Woodward Ave	1026	Lomita	4	0.78	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
539	BI1104-1	8	Pacific Coast Hwy	717	Lomita	6	0.81	Highway	100	10	2	6	16	0.36	4	20	HIGH			Wilmington Drain	
540	BI1104-1	9	Eshelman Ave	382	Lomita	4	0.29	Secondary-Collector	64	8	2	6	16	0.36	4	18	MED			Wilmington Drain	
541	BI1104-1	10	255th St	863	Lomita	4	0.65	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
542	BI1104-1	11	256th St	307	Lomita	4	0.23	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
543	BI1104-1	12	257th St	20	Lomita	4	0.02	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
544	BI1104-1	13	Oak St	1110	Lomita	4	0.84	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
545	BI1104-1	14	Eshelman Ave	500	Lomita	4	0.38	Secondary-Collector	64	8	0	10	4	0.4	5	23	HIGH			Wilmington Drain	
546	BI1104-1	15	Narbonne Ave	509	Lomita	4	0.39	Secondary-Collector	64	8	0	10	4	0.4	5	23	HIGH			Wilmington Drain	
547	BI1104-1	16	Alcor St	79	Lomita	4	0.06	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
548	BI1104-1	17	Andreo Ave	507	Lomita	4	0.38	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
549	BI1104-1	18	Comal Ct	177	Lomita	4	0.13	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
550	BI1104-1	19	Doria Ave	200	Lomita	4	0.15	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
551	BI1104-1	20	Eleanor Pl	249	Lomita	4	0.19	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
552	BI1104-1	21	Eshelman Ave	372	Lomita	4	0.28	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
553	BI1104-1	22	Feijoa Ave	523	Lomita	4	0.40	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
554	BI1104-1	23	Alcor St	164	Lomita	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
555	BI1104-1	24	Eshelman Ave	597	Lomita	4	0.45	Secondary-Collector	64	8	1	8	4	0.4	5	21	HIGH			Wilmington Drain	
556	BI1104-1	25	Narbonne Ave	1060	Lomita	4	0.80	Secondary-Collector	64	8	1	8	4	0.4	5	21	HIGH			Wilmington Drain	
557	BI1104-1	26	252nd St	503	Lomita	4	0.38	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
558	BI1104-1	27	253rd Pl	1017	Lomita	4	0.77	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
559	BI1104-1	28	253rd St	263	Lomita	4	0.20	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
560	BI1104-1	29	254th St	412	Lomita	4	0.31	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
561	BI1104-1	30	Andreo Ave	1044	Lomita	4	0.79	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
562	BI1104-1	31	Blue Rose Ct	64	Lomita	4	0.05	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
563	BI1104-1	32	Doria Ave	662	Lomita	4	0.50	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
564	BI1104-1	33	Feijoa Ave	1062	Lomita	4	0.80	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
565	BI1104-1	34	Oak St	1056	Lomita	4	0.80	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
566	BI1104-1	35	Sunny Leaf Ln	410	Lomita	4	0.31	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
567	BI1104-1	36	Woodward Ave	1058	Lomita	4	0.80	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
568	BI1104-1	37	252nd St	462	Lomita	4	0.35	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
569	BI1104-1	38	253rd St	450	Lomita	4	0.34	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
570	BI1104-1	39	Narbonne Ave	1319	Lomita	4	1.00	Secondary-Collector	64	8	2	6	4	0.4	5	19	MED			Wilmington Drain	
571	BI1104-1	40	255th St	1548	Lomita	4	1.17	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
572	BI1104-1	41	256th St	519	Lomita	4	0.39	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
573	BI1104-1	42	257th St	11	Lomita	4	0.01	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
574	BI1104-1	43	Alliene Ave	515	Lomita	4	0.39	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
575	BI1104-1	44	Cypress St	874	Lomita	4	0.66	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
576	BI1104-1	45	Evans Ct	40	Lomita	4	0.03	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
577	BI1104-1	46	Feijoa Ave	490	Lomita	4	0.37	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
578	BI1104-1	47	Forrester Dr	30	Lomita	4	0.02	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
579	BI1104-1	48	Pacific Coast Hwy	1756	Lomita	6	2.00	Highway	100	10	3	4	4	0.4	5	19	MED			Wilmington Drain	
580	BI1104-1	49	Narbonne Ave	205	Lomita	4	0.15	Secondary-Collector	64	8	3	4	4	0.4	5	17	MED			Wilmington Drain	
581	BI1104-1	50	Cypress St	196	Lomita	4	0.15	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Wilmington Drain	
582	BI1104-1	51	Lucille Ave	199	Lomita	4	0.15	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Wilmington Drain	
583	BI1104-1	52	Viana Ave	13	Lomita	4	0.01	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Wilmington Drain	
584	BI1104-1	53	Pacific Coast Hwy	265	Lomita	6	0.30	Highway	100	10	3	4	16	0.36	4	18	MED			Wilmington Drain	
585	BI1104-2	1	Normandie Ave	3782	CO	6	4.30	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
586	BI1104-2	2	S Vermont Ave	4787	CO	6	5.44	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
587	BI1104-2	3	W Lomita Blvd	1459	CO	6	1.66	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
588	BI1104-2	4	W Sepulveda Blvd	3454	CO	6	3.93	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
589	BI1104-2	5		8178	CO	4	6.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
590	BI1104-2	6	1st Ave W	307	CO	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
591	BI1104-2	7	243rd St	353	CO	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
592	BI1104-2	8	244th St	786	CO	4	0.60	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
593	BI1104-2	9	245th St	1437	CO	4	1.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
594	BI1104-2	10	2nd Ave W	228	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
595	BI1104-2	11	3rd Ave E	64	CO	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
596	BI1104-2	12	3rd Ave W	230	CO	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
597	BI1104-2	13	4th Ave E	183	CO	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
598	BI1104-2	14	4th Ave W	424	CO	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
599	BI1104-2	15	5th Ave E	298	CO	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
600	BI1104-2	16	5th Ave W	527	CO	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
601	BI1104-2	17	6th Ave E	497	CO	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
602	BI1104-2	18	Abraham Ter	73	CO	4	0.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
603	BI1104-2	19	Alexandria Ave	1670	CO	4	1.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
604	BI1104-2	20	Amber Lynn Ct	390	CO	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
605	BI1104-2	21	Ashbridge Dr	183	CO	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
606	BI1104-2	22	Ashbridge Ln	1629	CO	4	1.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
607	BI1104-2	23	Ashpark Ln	760	CO	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
608	BI1104-2	24	Azalea Wy	174	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
609	BI1104-2	25	Berendo Ave	933	CO	4	0.71	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
610	BI1104-2	26	Broadwell Ave	1164	CO	4	0.88	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
611	BI1104-2	27	Center Ave N	192	CO	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
612	BI1104-2	28	Center Ave S	113	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
613	BI1104-2	29	Center Circle Dr	876	CO	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
614	BI1104-2	30	Circle Dr	1371	CO	4	1.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
615	BI1104-2	31	Coriander Dr	463	CO	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
616	BI1104-2	32	Delamo Woods Dr	60	CO	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
617	BI1104-2	33	Doble Ave	444	CO	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
618	BI1104-2	34	East Dr	716	CO	4	0.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
619	BI1104-2	35	Fabry Dr	95	CO	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
620	BI1104-2	36	Fauna Ln	428	CO	4	0.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
621	BI1104-2	37	Fernlake Dr	690	CO	4	0.52	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
622	BI1104-2	38	Fernmeade Ln	432	CO	4	0.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
623	BI1104-2	39	Fernrest Dr	1954	CO	4	1.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
624	BI1104-2	40	Frampton Ave	1012	CO	4	0.77	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
625	BI1104-2	41	Graymouth Ln	17	CO	4	0.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
626	BI1104-2	42	Hartwell Ln	287	CO	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
627	BI1104-2	43	Hillcastle Ln	134	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
628	BI1104-2	44	Hunt Ter	62	CO	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
629	BI1104-2	45	Koleeta Dr	1924	CO	4	1.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
630	BI1104-2	46	Lindencliff St	866	CO	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
631	BI1104-2	47	Maple Ln	198	CO	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
632	BI1104-2	48	Marigold Ave	1670	CO	4	1.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
633	BI1104-2	49	Mariposa Ave	1777	CO	4	1.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
634	BI1104-2	50	Meyler Ave	749	CO	4	0.57	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
635	BI1104-2	51	Mountaineering Ln	131	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
636	BI1104-2	52	Oakfern Ln	270	CO	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
637	BI1104-2	53	Oakhorne Dr	2161	CO	4	1.64	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
638	BI1104-2	54	Oakmere Dr	233	CO	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
639	BI1104-2	55	Oakwater St	527	CO	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
640	BI1104-2	56	Park Circle Dr	1805	CO	4	1.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
641	BI1104-2	57	Parkside Ter	178	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
642	BI1104-2	58	Petroleum Ave	156	CO	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
643	BI1104-2	59	Rayland Dr	124	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
644	BI1104-2	60	Redonda Ln	140	CO	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
645	BI1104-2	61	Sandhurst Ln	977	CO	4	0.74	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
646	BI1104-2	62	Serenity Ln	509	CO	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
647	BI1104-2	63	Sesame St	708	CO	4	0.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
648	BI1104-2	64	Shadowbrook Ter	158	CO	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
649	BI1104-2	65	Spicewood Ln	495	CO	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
650	BI1104-2	66	Spruce Lake Dr	669	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
651	BI1104-2	67	Stonebryn Dr	2451	CO	4	1.86	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
652	BI1104-2	68	Stonecliff Ln	363	CO	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
653	BI1104-2	69	Villager Ln	730	CO	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
654	BI1104-2	70	W 232nd St	61	CO	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
655	BI1104-2	71	W Circle	676	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
656	BI1104-2	72	W Park Circle Dr	121	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
657	BI1104-2	73	West Ave	563	CO	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
658	BI1104-2	74	West Dr	1198	CO	4	0.91	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
659	BI1104-2	75		982	CO	1	0.19	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
660	BI1104-2	76	Leola St	111	Lomita	4	0.08	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
661	BI1104-2	77	W 252nd St	2	Lomita	4	0.00	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
662	BI1104-2	78	Walnut St	384	Lomita	4	0.29	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
663	BI1104-2	79		9	Lomita	1	0.00	Alley	20	4	0	10	4	0.4	5	19	MED			Wilmington Drain	
664	BI1104-2	80		716	Los Angeles	6	0.81	Highway	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
665	BI1104-2	81	Western Ave	6744	Los Angeles	6	7.66	Highway	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
666	BI1104-2	82	Normandie Ave	415	Los Angeles	6	0.47	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
667	BI1104-2	83	Reed St	37	Lomita	4	0.03	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
668	BI1104-2	84		241	Lomita	4	0.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
669	BI1104-2	85	255th St	767	Lomita	4	0.58	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
670	BI1104-2	86	256th St	1015	Lomita	4	0.77	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
671	BI1104-2	87	257th	241	Lomita	4	0.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
672	BI1104-2	88	257th St	718	Lomita	4	0.54	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
673	BI1104-2	89	W 255th St	241	Lomita	4	0.18	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
674	BI1104-2	90	W 256th St	1	Lomita	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
675	BI1104-2	91	Walnut St	624	Lomita	4	0.47	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
676	BI1104-2	92		252	Lomita	1	0.05	Alley	20	4	2	6	13	0.45	6	16	MED			Wilmington Drain	
677	BI1104-2	93	Pacific Coast Hwy	438	Lomita	6	0.50	Highway	100	10	2	6	16	0.36	4	20	HIGH			Wilmington Drain	
678	BI1104-2	94	Eshelman Ave	293	Lomita	4	0.22	Secondary-Collector	64	8	2	6	16	0.36	4	18	MED			Wilmington Drain	
679	BI1104-2	95	257th St	326	Lomita	4	0.25	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
680	BI1104-2	96	Bland Pl	454	Lomita	4	0.34	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
681	BI1104-2	97	Walnut St	620	Lomita	4	0.47	Minor-Local	60	6	2	6	16	0.36	4	16	MED			Wilmington Drain	
682	BI1104-2	98	Lomita Blvd	466	Lomita	6	0.53	Primary-Arterial	100	10	0	10	4	0.4	5	25	HIGH			Wilmington Drain	
683	BI1104-2	99	252nd St	71	Lomita	4	0.05	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
684	BI1104-2	100	Ebony Ln	315	Lomita	4	0.24	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
685	BI1104-2	101	Eleanor Pl	49	Lomita	4	0.04	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
686	BI1104-2	102	Lomita Blvd	670	Lomita	6	0.76	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
687	BI1104-2	103	246th St	253	Lomita	4	0.19	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
688	BI1104-2	104	247th Pl	784	Lomita	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
689	BI1104-2	105	247th St	792	Lomita	4	0.60	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
690	BI1104-2	106	248th St	503	Lomita	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
691	BI1104-2	107	251st St	274	Lomita	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
692	BI1104-2	108	252nd St	543	Lomita	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
693	BI1104-2	109	253rd Pl	189	Lomita	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
694	BI1104-2	110	253rd St	378	Lomita	4	0.29	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
695	BI1104-2	111	Alcor St	49	Lomita	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
696	BI1104-2	112	Ebony Ln	729	Lomita	4	0.55	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
697	BI1104-2	113	Falena Ave	453	Lomita	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
698	BI1104-2	114	Monterey Cir	125	Lomita	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
699	BI1104-2	115	Nordman St	46	Lomita	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
700	BI1104-2	116	W 246th St	140	Lomita	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
701	BI1104-2	117	W 247th St	233	Lomita	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
702	BI1104-2	118	W 251st St	4	Lomita	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
703	BI1104-2	119	Walnut St	1634	Lomita	4	1.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
704	BI1104-2	120		176	Lomita	1	0.03	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
705	BI1104-2	121		106	Los Angeles	6	0.12	Highway	100	10	0	10	4	0.4	5	25	HIGH			Wilmington Drain	
706	BI1104-2	122	Western Ave	1285	Los Angeles	6	1.46	Highway	100	10	0	10	4	0.4	5	25	HIGH			Wilmington Drain	
707	BI1104-2	123	Lomita Blvd	360	Los Angeles	6	0.41	Primary-Arterial	100	10	0	10	4	0.4	5	25	HIGH			Wilmington Drain	
708	BI1104-2	124	W Lomita Blvd	628	Los Angeles	6	0.71	Primary-Arterial	100	10	0	10	4	0.4	5	25	HIGH			Wilmington Drain	
709	BI1104-2	125		139	Los Angeles	4	0.11	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
710	BI1104-2	126	W 249th St	854	Los Angeles	4	0.65	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
711	BI1104-2	127	W 251st St	459	Los Angeles	4	0.35	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
712	BI1104-2	128	W 252nd St	308	Los Angeles	4	0.23	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
713	BI1104-2	129		1822	Los Angeles	1	0.35	Alley	20	4	0	10	4	0.4	5	19	MED			Wilmington Drain	
714	BI1104-2	130	W Lomita Blvd	1945	Los Angeles	6	2.21	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
715	BI1104-2	131		1683	Los Angeles	4	1.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
716	BI1104-2	132	247th Pl	312	Los Angeles	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
717	BI1104-2	133	248th St	1	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
718	BI1104-2	134	253rd Pl	347	Los Angeles	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
719	BI1104-2	135	253rd St	1	Los Angeles	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
720	BI1104-2	136	Abraham Ter	444	Los Angeles	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
721	BI1104-2	137	Belle Porte Ave	1489	Los Angeles	4	1.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1							
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
722	BI1104-2	138	Censor Ave	408	Los Angeles	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
723	BI1104-2	139	Frampton Ave	2107	Los Angeles	4	1.60	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
724	BI1104-2	140	Hunt Ter	461	Los Angeles	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
725	BI1104-2	141	Lobby Cir	212	Los Angeles	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
726	BI1104-2	142	Magnolia Pl	464	Los Angeles	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
727	BI1104-2	143	Maple Ln	269	Los Angeles	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
728	BI1104-2	144	Marigold Ave	524	Los Angeles	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
729	BI1104-2	145	Otto Ln	282	Los Angeles	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
730	BI1104-2	146	Parkside Ter	908	Los Angeles	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
731	BI1104-2	147	President Ave	3083	Los Angeles	4	2.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
732	BI1104-2	148	Senator Ave	2417	Los Angeles	4	1.83	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
733	BI1104-2	149	Shadowbrook Ter	450	Los Angeles	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
734	BI1104-2	150	Sycamore Wy	481	Los Angeles	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
735	BI1104-2	151	W 242nd Pl	532	Los Angeles	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
736	BI1104-2	152	W 243rd St	1312	Los Angeles	4	0.99	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
737	BI1104-2	153	W 244th St	1051	Los Angeles	4	0.80	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
738	BI1104-2	154	W 245th St	547	Los Angeles	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
739	BI1104-2	155	W 246th St	781	Los Angeles	4	0.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
740	BI1104-2	156	W 247th Pl	1140	Los Angeles	4	0.86	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
741	BI1104-2	157	W 247th St	2098	Los Angeles	4	1.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
742	BI1104-2	158	W 248th St	1291	Los Angeles	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
743	BI1104-2	159	W 249th St	264	Los Angeles	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
744	BI1104-2	160	W 251st St	2824	Los Angeles	4	2.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
745	BI1104-2	161	W 252nd St	1404	Los Angeles	4	1.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
746	BI1104-2	162	W 253rd St	907	Los Angeles	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
747	BI1104-2	163	W 254th St	611	Los Angeles	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
748	BI1104-2	164	W 255th St	28	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
749	BI1104-2	165	Willow Ter	479	Los Angeles	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
750	BI1104-2	166		5053	Los Angeles	1	0.96	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
751	BI1104-2	167	S Vermont Ave	629	CO	6	0.72	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Wilmington Drain	
752	BI1104-2	168	W Lomita Blvd	1813	CO	6	2.06	Primary-Arterial	100	10	1	8	13	0.45	6	24	HIGH			Wilmington Drain	
753	BI1104-2	169		2855	CO	4	2.16	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
754	BI1104-2	170	1st Ave E	571	CO	4	0.43	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
755	BI1104-2	171	245th St	167	CO	4	0.13	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
756	BI1104-2	172	2nd Ave E	584	CO	4	0.44	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
757	BI1104-2	173	3rd Ave E	540	CO	4	0.41	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
758	BI1104-2	174	4th Ave E	444	CO	4	0.34	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
759	BI1104-2	175	5th Ave E	425	CO	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
760	BI1104-2	176	6th Ave E	52	CO	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
761	BI1104-2	177	Broadwell Ave	30	CO	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
762	BI1104-2	178	Center Ave N	314	CO	4	0.24	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
763	BI1104-2	179	Center Ave S	219	CO	4	0.17	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
764	BI1104-2	180	Center Circle Dr	1003	CO	4	0.76	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
765	BI1104-2	181	Circle Dr	1072	CO	4	0.81	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
766	BI1104-2	182	Doble Ave	31	CO	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
767	BI1104-2	183	E Circle	436	CO	4	0.33	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
768	BI1104-2	184	East Dr	686	CO	4	0.52	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
769	BI1104-2	185	McCoy Ave	6	CO	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
770	BI1104-2	186	Petroleum Ave	28	CO	4	0.02	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
771	BI1104-2	187	S Circle	1041	CO	4	0.79	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
772	BI1104-2	188	South Dr	568	CO	4	0.43	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
773	BI1104-2	189	Eshelman Ave	456	Lomita	4	0.35	Secondary-Collector	64	8	1	8	4	0.4	5	21	HIGH			Wilmington Drain	
774	BI1104-2	190	253rd Pl	581	Lomita	4	0.44	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
775	BI1104-2	191	254th St	696	Lomita	4	0.53	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
776	BI1104-2	192	252nd St	47	Lomita	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
777	BI1104-2	193	253rd Pl	280	Lomita	4	0.21	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
778	BI1104-2	194	253rd St	676	Lomita	4	0.51	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
779	BI1104-2	195	254th St	1078	Lomita	4	0.82	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
780	BI1104-2	196	Ebony Ln	489	Lomita	4	0.37	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
781	BI1104-2	197	Monterey Cir	55	Lomita	4	0.04	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
782	BI1104-2	198	Walnut St	1050	Lomita	4	0.80	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
783	BI1104-2	199		116	Lomita	1	0.02	Alley	20	4	1	8	13	0.45	6	18	MED			Wilmington Drain	
784	BI1104-2	200	254th St	3	Los Angeles	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
785	BI1104-2	201	Broadwell Ave	742	Los Angeles	4	0.56	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
786	BI1104-2	202	Doble Ave	423	Los Angeles	4	0.32	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
787	BI1104-2	203	Petroleum Ave	596	Los Angeles	4	0.45	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
788	BI1104-2	204	W 251st St	513	Los Angeles	4	0.39	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
789	BI1104-2	205	W 254th St	5	Los Angeles	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
790	BI1104-2	206	W 255th St	135	Los Angeles	4	0.10	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
791	BI1104-2	207	W 256th St	6	Los Angeles	4	0.00	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
792	BI1104-2	208	W 257th St	19	Los Angeles	4	0.01	Minor-Local	60	6	1	8	13	0.45	6	20	HIGH			Wilmington Drain	
793	BI1104-2	209		700	Los Angeles	1	0.13	Alley	20	4	1	8	13	0.45	6	18	MED			Wilmington Drain	
794	BI1104-2	210	Pacific Coast Hwy	501	Lomita	6	0.57	Highway	100	10	2	6	4	0.4	5	21	HIGH			Wilmington Drain	
795	BI1104-2	211	Eshelman Ave	629	Lomita	4	0.48	Secondary-Collector	64	8	2	6	4	0.4	5	19	MED			Wilmington Drain	
796	BI1104-2	212	255th St	24	Lomita	4	0.02	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
797	BI1104-2	213	257th St	462	Lomita	4	0.35	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
798	BI1104-2	214	Eshelman Ave	42	Lomita	4	0.03	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
799	BI1104-2	215	Pacific Coast Hwy	38	Los Angeles	6	0.04	Highway	100	10	2	6	13	0.45	6	22	HIGH			Wilmington Drain	
800	BI1104-2	216		2	Los Angeles	4	0.00	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
801	BI1104-2	217	W 255th St	140	Los Angeles	4	0.11	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
802	BI1104-2	218	W 256th St	284	Los Angeles	4	0.22	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
803	BI1104-2	219	W 257th St	282	Los Angeles	4	0.21	Minor-Local	60	6	2	6	13	0.45	6	18	MED			Wilmington Drain	
804	BI1104-2	220		819	Los Angeles	1	0.16	Alley	20	4	2	6	13	0.45	6	16	MED			Wilmington Drain	
858	BI1201	1	W 223rd St	21	CO	6	0.02	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Wilmington Drain	
859	BI1201	2		213	CO	4	0.16	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
860	BI1201	3	Harbor Ridge Ln	182	CO	4	0.14	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
861	BI1201	4	Normandie Ave	2743	CO	6	3.12	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
862	BI1201	5	S Vermont Ave	4284	CO	6	4.87	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
863	BI1201	6	W 223rd St	2610	CO	6	2.97	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
864	BI1201	7	W Sepulveda Blvd	232	CO	6	0.26	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
866	BI1201	9		9445	CO	4	7.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
867	BI1201	10	226th St	1539	CO	4	1.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
868	BI1201	11	227th St	542	CO	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
869	BI1201	12	229th St	442	CO	4	0.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
870	BI1201	13	231st St	543	CO	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
871	BI1201	14	232nd St	1119	CO	4	0.85	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
872	BI1201	15	Alexandria Ave	1421	CO	4	1.08	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
873	BI1201	16	Begonia Wy	165	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
874	BI1201	17	Belson St	1111	CO	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
875	BI1201	18	Berendo Ave	1396	CO	4	1.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
876	BI1201	19	Broadwell Ave	1204	CO	4	0.91	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
877	BI1201	20	Camellia Wy	174	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
878	BI1201	21	Dahlia Wy	172	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
879	BI1201	22	Doble Ave	1533	CO	4	1.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
880	BI1201	23	Fauna Ln	42	CO	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
881	BI1201	24	Gastine Pl	439	CO	4	0.33	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
882	BI1201	25	Gian Dr	1684	CO	4	1.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
883	BI1201	26	Graymouth Ln	64	CO	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
884	BI1201	27	Harbor Ridge Ln	891	CO	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
885	BI1201	28	Harline Ct	150	CO	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
886	BI1201	29	Hillcastle Ln	39	CO	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
887	BI1201	30	Jerene Ln	123	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
888	BI1201	31	Kaywood Dr	397	CO	4	0.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
889	BI1201	32	Lindencliff St	210	CO	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
890	BI1201	33	Londrina Ln	132	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
891	BI1201	34	Marigold Ave	830	CO	4	0.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
892	BI1201	35	Mariposa Ave	1250	CO	4	0.95	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
893	BI1201	36	Maxfield St	538	CO	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
894	BI1201	37	Menlo Ave	1717	CO	4	1.30	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
895	BI1201	38	Meyler Ave	969	CO	4	0.73	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
896	BI1201	39	Meyler St	2828	CO	4	2.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
897	BI1201	40	Mountaineering Ln	40	CO	4	0.03	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
898	BI1201	41	Oasis Dr	152	CO	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
899	BI1201	42	Petroleum Ave	1189	CO	4	0.90	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
900	BI1201	43	Rayland Dr	486	CO	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
901	BI1201	44	Rosanna Ct	190	CO	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
902	BI1201	45	S Van Deene Ave	2229	CO	4	1.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
903	BI1201	46	Serenity Ln	278	CO	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
904	BI1201	47	Sesame St	268	CO	4	0.20	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
905	BI1201	48	Sorock Dr	679	CO	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
906	BI1201	49	Storm Pkwy	135	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
907	BI1201	50	Villager Ln	273	CO	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
908	BI1201	51	W 222nd St	617	CO	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
909	BI1201	52	W 225th St	1961	CO	4	1.49	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
910	BI1201	53	W 227th Pl	134	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
911	BI1201	54	W 227th St	114	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
912	BI1201	55	W 232nd St	1	CO	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
913	BI1201	56	W Jay St	632	CO	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
914	BI1201	57		3128	CO	1	0.59	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
915	BI1201	58	Western Ave	896	Los Angeles	6	1.02	Highway	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
916	BI1201	59	223rd St	2895	Los Angeles	6	3.29	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
917	BI1201	60	Normandie Ave	1058	Los Angeles	6	1.20	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
918	BI1201	61	Western Ave	854	Los Angeles	6	0.97	Highway	100	10	0	10	10	0.74	8	28	HIGH			Wilmington Drain	
919	BI1201	62	223rd St	82	Los Angeles	6	0.09	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Wilmington Drain	
921	BI1201	64	221st St	441	Los Angeles	4	0.33	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
922	BI1201	65	Lockness Ave	72	Los Angeles	4	0.05	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
923	BI1201	66	S Harvard Blvd	548	Los Angeles	4	0.41	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
924	BI1201	67	W 222nd St	194	Los Angeles	4	0.15	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
925	BI1201	68	W 227th St	846	Los Angeles	4	0.64	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
926	BI1201	69	W 223rd St	36	Los Angeles	6	0.04	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
928	BI1201	71		852	Los Angeles	4	0.65	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
929	BI1201	72	221st St	136	Los Angeles	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
930	BI1201	73	225th St	672	Los Angeles	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
931	BI1201	74	Denker Ave	2400	Los Angeles	4	1.82	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
932	BI1201	75	Frampton Ave	67	Los Angeles	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
933	BI1201	76	Halldale Ave	2328	Los Angeles	4	1.76	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
934	BI1201	77	Normandie Ave	240	Los Angeles	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
935	BI1201	78	Plaza Del Amo	6064	Los Angeles	4	4.59	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
936	BI1201	79	S Harvard Blvd	1849	Los Angeles	4	1.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
937	BI1201	80	W 224th St	2249	Los Angeles	4	1.70	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
938	BI1201	81	W 225th St	739	Los Angeles	4	0.56	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
939	BI1201	82	W 226th St	1557	Los Angeles	4	1.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
940	BI1201	83	W 227th St	1997	Los Angeles	4	1.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1251	BI2	1	Pennsylvania Ave	874	Lomita	4	0.66	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1252	BI2	2	Lomita Blvd	912	Lomita	6	1.04	Primary-Arterial	100	10	0	10	10	0.74	8	28	HIGH			Wilmington Drain	
1253	BI2	3	Eshelman Ave	12	Lomita	4	0.01	Secondary-Collector	64	8	0	10	10	0.74	8	26	HIGH			Wilmington Drain	
1254	BI2	4	Narbonne Ave	1067	Lomita	4	0.81	Secondary-Collector	64	8	0	10	10	0.74	8	26	HIGH			Wilmington Drain	
1255	BI2	5	240th St	98	Lomita	4	0.07	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1256	BI2	6	241st St	1654	Lomita	4	1.25	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1257	BI2	7	242nd St	1609	Lomita	4	1.22	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1258	BI2	8	243rd St	1080	Lomita	4	0.82	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1259	BI2	9	245th St	366	Lomita	4	0.28	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1260	BI2	10	Alliene Ave	745	Lomita	4	0.56	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1261	BI2	11	Benhill Ave	174	Lomita	4	0.13	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1262	BI2	12	Carlene Ln	184	Lomita	4	0.14	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1263	BI2	13	Dawn St	461	Lomita	4	0.35	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1264	BI2	14	Hendricks Ave	1036	Lomita	4	0.78	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1265	BI2	15	Hillview Ln	145	Lomita	4	0.11	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1266	BI2	16	Lomita Dr	550	Lomita	4	0.42	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1267	BI2	17	Lomita Park Pl	660	Lomita	4	0.50	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1268	BI2	18	Lucille Ave	320	Lomita	4	0.24	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1269	BI2	19	Park Haven Pl	493	Lomita	4	0.37	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1270	BI2	20	Pennsylvania Ave	1078	Lomita	4	0.82	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
1271	BI2	21		563	Lomita	1	0.11	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
1272	BI2	22	247th St	401	Lomita	4	0.30	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1273	BI2	23	248th St	837	Lomita	4	0.63	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1274	BI2	24	249th St	823	Lomita	4	0.62	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1275	BI2	25	250th St	2080	Lomita	4	1.58	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1276	BI2	26	Comal Ct	34	Lomita	4	0.03	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1277	BI2	27	Cypress St	410	Lomita	4	0.31	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1278	BI2	28	Feijoa Ave	36	Lomita	4	0.03	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
1279	BI2	29	Lomita Blvd	4412	Lomita	6	5.01	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
1280	BI2	30	Eshelman Ave	1399	Lomita	4	1.06	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Wilmington Drain	
1281	BI2	31	Narbonne Ave	1494	Lomita	4	1.13	Secondary-Collector	64	8	0	10	13	0.45	6	24	HIGH			Wilmington Drain	
1282	BI2	32	245th St	1048	Lomita	4	0.79	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1283	BI2	33	246th Pl	53	Lomita	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1284	BI2	34	246th St	463	Lomita	4	0.35	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1285	BI2	35	247th St	1183	Lomita	4	0.90	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1286	BI2	36	248th St	1491	Lomita	4	1.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1287	BI2	37	Abita Ave	206	Lomita	4	0.16	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1288	BI2	38	Adona Dr	303	Lomita	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1289	BI2	39	Allbrook St	510	Lomita	4	0.39	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1290	BI2	40	Alliene Ave	447	Lomita	4	0.34	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1291	BI2	41	Austinbrook Ct	129	Lomita	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1292	BI2	42	Cadiz Dr	357	Lomita	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1293	BI2	43	Cypress St	751	Lomita	4	0.57	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1294	BI2	44	Eshelman Wy	70	Lomita	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1295	BI2	45	Hendricks Ave	55	Lomita	4	0.04	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1296	BI2	46	Lucille Ave	286	Lomita	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1297	BI2	47	Moon Ave	878	Lomita	4	0.66	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1298	BI2	48	Nordman St	490	Lomita	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1299	BI2	49	Oak St	662	Lomita	4	0.50	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1300	BI2	50	Padron Pl	226	Lomita	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1301	BI2	51	Pennsylvania Ave	85	Lomita	4	0.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1302	BI2	52	Via Kosta	192	Lomita	4	0.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
1303	BI2	53	Woodward Ave	1396	Lomita	4	1.06	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
1304	BI2	54		831	Lomita	1	0.16	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
2424	BI661	1	Normandie Ave	2547	CO	6	2.89	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
2425	BI661	2	W Sepulveda Blvd	32	CO	6	0.04	Primary-Arterial	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
2426	BI661	3	Ashbridge Dr	406	CO	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2427	BI661	4	Ashpark Ln	545	CO	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2428	BI661	5	Delamo Woods Dr	115	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2429	BI661	6	Elderglen Ln	369	CO	4	0.28	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2430	BI661	7	Livewood Ln	1333	CO	4	1.01	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2431	BI661	8	Oakfair Ln	815	CO	4	0.62	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2432	BI661	9	Oakheath Dr	1096	CO	4	0.83	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2433	BI661	10	Oakrest Ln	769	CO	4	0.58	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2434	BI661	11	Pasatiempo Ln	2149	CO	4	1.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2435	BI661	12	Pine Park Cir	113	CO	4	0.09	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2436	BI661	13	Pineforest Ln	835	CO	4	0.63	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2437	BI661	14	Sandhurst Ln	174	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2438	BI661	15	Spruce Tree Ln	133	CO	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2439	BI661	16	Stone Court Cir	95	CO	4	0.07	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2440	BI661	17	Stonecliff Ln	170	CO	4	0.13	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2441	BI661	18	Storm Pkwy	161	CO	4	0.12	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2442	BI661	19	Woodbury Dr	1520	CO	4	1.15	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2443	BI661	20	Woodbury Dr	633	Los Angeles	4	0.48	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
2445	BI661	22	W 228th St	167	Los Angeles	4	0.13	Secondary-Collector	64	8	0	10	10	0.74	8	26	HIGH			Wilmington Drain	
2446	BI661	23	Lockness Ave	1604	Los Angeles	4	1.22	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
2447	BI661	24	Lockness Pl	243	Los Angeles	4	0.18	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
2448	BI661	25	Oakhorne Dr	540	Los Angeles	4	0.41	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
2449	BI661	26	Pryor Pl	287	Los Angeles	4	0.22	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
2451	BI661	28		60	Los Angeles	4	0.05	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2452	BI661	29	Batey Ave	1290	Los Angeles	4	0.98	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2453	BI661	30	Batey Pl	179	Los Angeles	4	0.14	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2454	BI661	31	Brightwater Pl	601	Los Angeles	4	0.46	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2455	BI661	32	Clearpool Pl	1206	Los Angeles	4	0.91	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2456	BI661	33	Dorset Pl	549	Los Angeles	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2457	BI661	34	Frampton Ave	676	Los Angeles	4	0.51	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2458	BI661	35	Halldale Ave	1236	Los Angeles	4	0.94	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2459	BI661	36	Kentworthy Ave	1115	Los Angeles	4	0.84	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2460	BI661	37	Lockness Ave	895	Los Angeles	4	0.68	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2461	BI661	38	Maltby Pl	473	Los Angeles	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2462	BI661	39	Oakheath Dr	550	Los Angeles	4	0.42	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2463	BI661	40	Oakheath Pl	296	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2464	BI661	41	Oakhorne Dr	2872	Los Angeles	4	2.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2465	BI661	42	Pryor Pl	20	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2466	BI661	43	Sidlee Pl	914	Los Angeles	4	0.69	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2467	BI661	44	Storm Pkwy	536	Los Angeles	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2468	BI661	45	Toomey Pl	305	Los Angeles	4	0.23	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
2469	BI661	46	Woodbury Dr	2112	Los Angeles	4	1.60	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3001	BI8101	1	Eshelman Ave	1127	Lomita	4	0.85	Secondary-Collector	64	8	0	10	10	0.74	8	26	HIGH			Wilmington Drain	
3002	BI8101	2	242nd St	42	Lomita	4	0.03	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3003	BI8101	3	Callison St	131	Lomita	4	0.10	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3004	BI8101	4	Dawn St	46	Lomita	4	0.03	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3005	BI8101	5	Lomita Park Pl	50	Lomita	4	0.04	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3006	BI8101	6	Stanhurst Ave	175	Lomita	4	0.13	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3007	BI8101	7	S Western Ave	1146	Los Angeles	6	1.30	Highway	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
3008	BI8101	8	Western Ave	1348	Los Angeles	6	1.53	Highway	100	10	0	10	13	0.45	6	26	HIGH			Wilmington Drain	
3009	BI8101	9	Eshelman Wy	148	Lomita	4	0.11	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

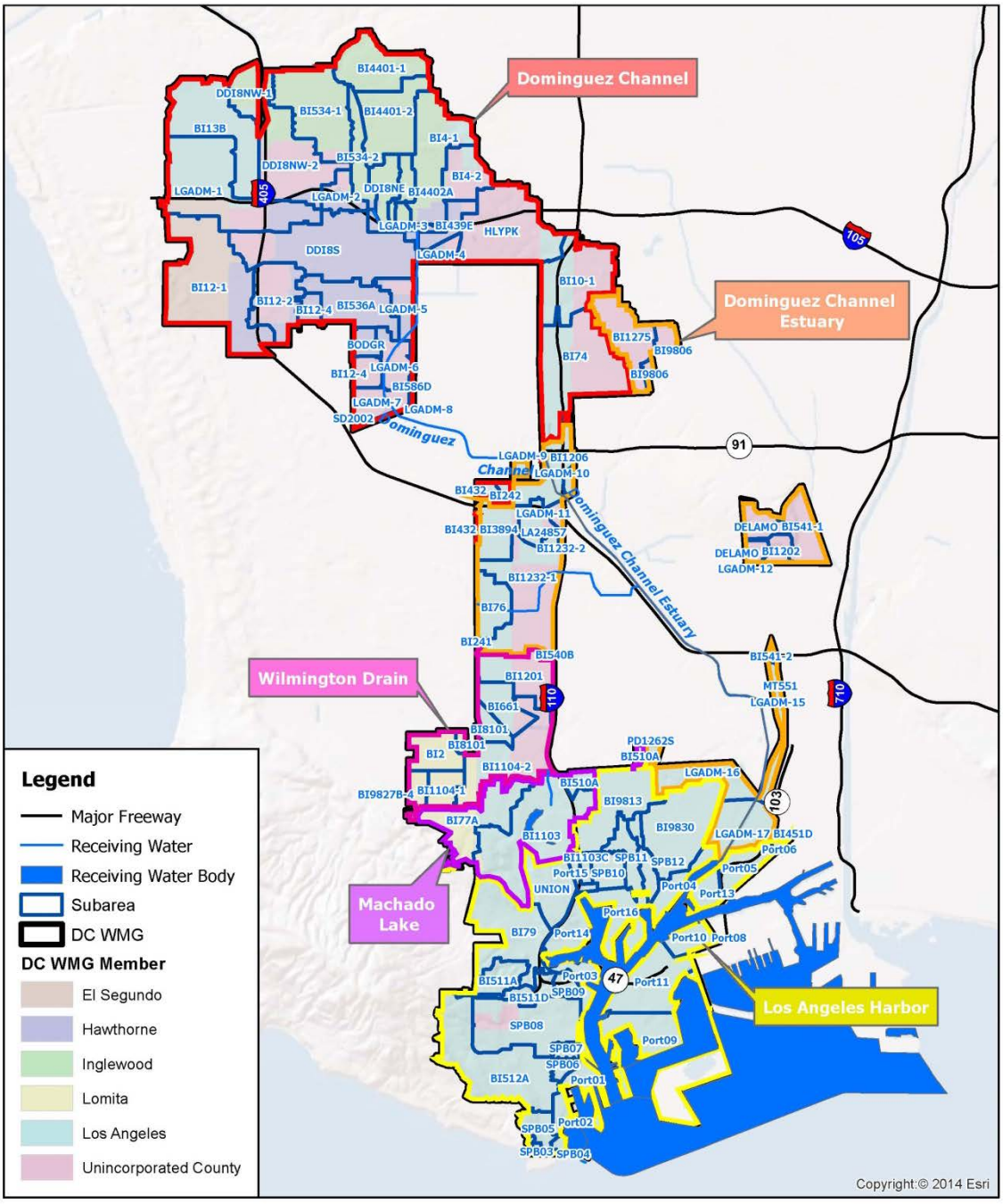
Ranking Criteria				General Criteria																	
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3010	BI8101	10	Falena Ave	5	Lomita	4	0.00	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3011	BI8101	11	Turrell St	527	Lomita	4	0.40	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3012	BI8101	12	Walnut St	500	Lomita	4	0.38	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3013	BI8101	13	Fulmar Ave	13	Los Angeles	4	0.01	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3014	BI8101	14	W 238th St	62	Los Angeles	4	0.05	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3015	BI8101	15	W 239th St	29	Los Angeles	4	0.02	Minor-Local	60	6	0	10	10	0.74	8	24	HIGH			Wilmington Drain	
3016	BI8101	16		126	Los Angeles	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3017	BI8101	17	236th St	29	Los Angeles	4	0.02	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3018	BI8101	18	237th St	1070	Los Angeles	4	0.81	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3019	BI8101	19	238th St	1281	Los Angeles	4	0.97	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3020	BI8101	20	Ambassador Pl	358	Los Angeles	4	0.27	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3021	BI8101	21	Avenue A	126	Los Angeles	4	0.10	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3022	BI8101	22	Censor Ave	615	Los Angeles	4	0.47	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3023	BI8101	23	Frampton Ave	1738	Los Angeles	4	1.32	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3024	BI8101	24	Fulmar Ave	572	Los Angeles	4	0.43	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3025	BI8101	25	Governor Ave	474	Los Angeles	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3026	BI8101	26	Guilford Pl	414	Los Angeles	4	0.31	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3027	BI8101	27	Himber Pl	240	Los Angeles	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3028	BI8101	28	Hynford Pl	486	Los Angeles	4	0.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3029	BI8101	29	Kippen St	631	Los Angeles	4	0.48	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3030	BI8101	30	Maidstone Cir	316	Los Angeles	4	0.24	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3031	BI8101	31	Maidstone Pl	338	Los Angeles	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3032	BI8101	32	President Ave	3225	Los Angeles	4	2.44	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3033	BI8101	33	Rutgers Pl	290	Los Angeles	4	0.22	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3034	BI8101	34	W 235th St	540	Los Angeles	4	0.41	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3035	BI8101	35	W 238th St	243	Los Angeles	4	0.18	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3036	BI8101	36	W 239th St	226	Los Angeles	4	0.17	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3037	BI8101	37	W 240th St	2032	Los Angeles	4	1.54	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3038	BI8101	38	W 241st St	278	Los Angeles	4	0.21	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3039	BI8101	39	W 242nd Pl	1808	Los Angeles	4	1.37	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3040	BI8101	40	W 242nd St	338	Los Angeles	4	0.26	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3041	BI8101	41	W Postmaster Ave	472	Los Angeles	4	0.36	Minor-Local	60	6	0	10	13	0.45	6	22	HIGH			Wilmington Drain	
3042	BI8101	42		1625	Los Angeles	1	0.31	Alley	20	4	0	10	13	0.45	6	20	HIGH			Wilmington Drain	
3154	BI9827B-4	1	Pennsylvania Ave	364	Lomita	4	0.28	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
3155	BI9827B-4	2	Kelley Ave	498	Lomita	4	0.38	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3156	BI9827B-4	3	Pennsylvania Ave	848	Lomita	4	0.64	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3157	BI9827B-4	4	Reed Dr	299	Lomita	4	0.23	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3158	BI9827B-4	5	Stratford Dr	294	Lomita	4	0.22	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3159	BI9827B-4	6	Cypress Circle Dr	309	Lomita	4	0.23	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
3160	BI9827B-4	7	Cypress St	469	Lomita	4	0.36	Minor-Local	60	6	0	10	4	0.4	5	21	HIGH			Wilmington Drain	
3161	BI9827B-4	8	251st St	870	Lomita	4	0.66	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3162	BI9827B-4	9	253rd St	859	Lomita	4	0.65	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3163	BI9827B-4	10	254th St	689	Lomita	4	0.52	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3164	BI9827B-4	11	Aubrey Ln	181	Lomita	4	0.14	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3165	BI9827B-4	12	Blue Rose Ct	127	Lomita	4	0.10	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3166	BI9827B-4	13	Cypress St	1064	Lomita	4	0.81	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3167	BI9827B-4	14	McKenna Ct	326	Lomita	4	0.25	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3168	BI9827B-4	15	Noelle Ct	174	Lomita	4	0.13	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3169	BI9827B-4	16	Pennsylvania Ave	1465	Lomita	4	1.11	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3170	BI9827B-4	17	Robin Ln	310	Lomita	4	0.24	Minor-Local	60	6	1	8	4	0.4	5	19	MED			Wilmington Drain	
3171	BI9827B-4	18	254th St	174	Lomita	4	0.13	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3172	BI9827B-4	19	255th St	997	Lomita	4	0.76	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3173	BI9827B-4	20	256th St	109	Lomita	4	0.08	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3174	BI9827B-4	21	Adamo Ave	283	Lomita	4	0.21	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	

Potential Green Streets Worksheet: Green Street Analysis Summary Table

Ranking Criteria				General Criteria																
				General Attributes				Street Width			Street Slope		Soil Type			Score	Rank	Planned Rehab		Watershed	Selected?
Assigned Weight								1			1		1								
Object ID	Subwatershed	Subwatershed ID	Street Name	Length (ft)	City	Number of Lanes	Lane Miles	Street Type	Street Width (ft)	Score	Slope (%)	Score	Soil Type	Ksat	Score			City	County		
3175	BI9827B-4	22	Cypress St	542	Lomita	4	0.41	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3176	BI9827B-4	23	Evans Ct	312	Lomita	4	0.24	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3177	BI9827B-4	24	Forrester Dr	548	Lomita	4	0.42	Minor-Local	60	6	2	6	4	0.4	5	17	MED			Wilmington Drain	
3178	BI9827B-4	25	Pacific Coast Hwy	189	Lomita	6	0.21	Highway	100	10	3	4	4	0.4	5	19	MED			Wilmington Drain	
3179	BI9827B-4	26	Reed Dr	179	Lomita	4	0.14	Minor-Local	60	6	3	4	4	0.4	5	15	MED			Wilmington Drain	
3180	BI9827B-4	27	Pacific Coast Hwy	522	Lomita	6	0.59	Highway	100	10	4	2	4	0.4	5	17	MED			Wilmington Drain	
3181	BI9827B-4	28	Esther View Dr	524	Lomita	4	0.40	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Wilmington Drain	
3182	BI9827B-4	29	Pennsylvania Ave	743	Lomita	4	0.56	Minor-Local	60	6	4	2	4	0.4	5	13	LOW			Wilmington Drain	

Attachment B
Green Street Subarea Analysis Summary

PAGE INTENTIONALLY LEFT BLANK



Subarea Summary for Green Street Analysis
DC WMG EWMP

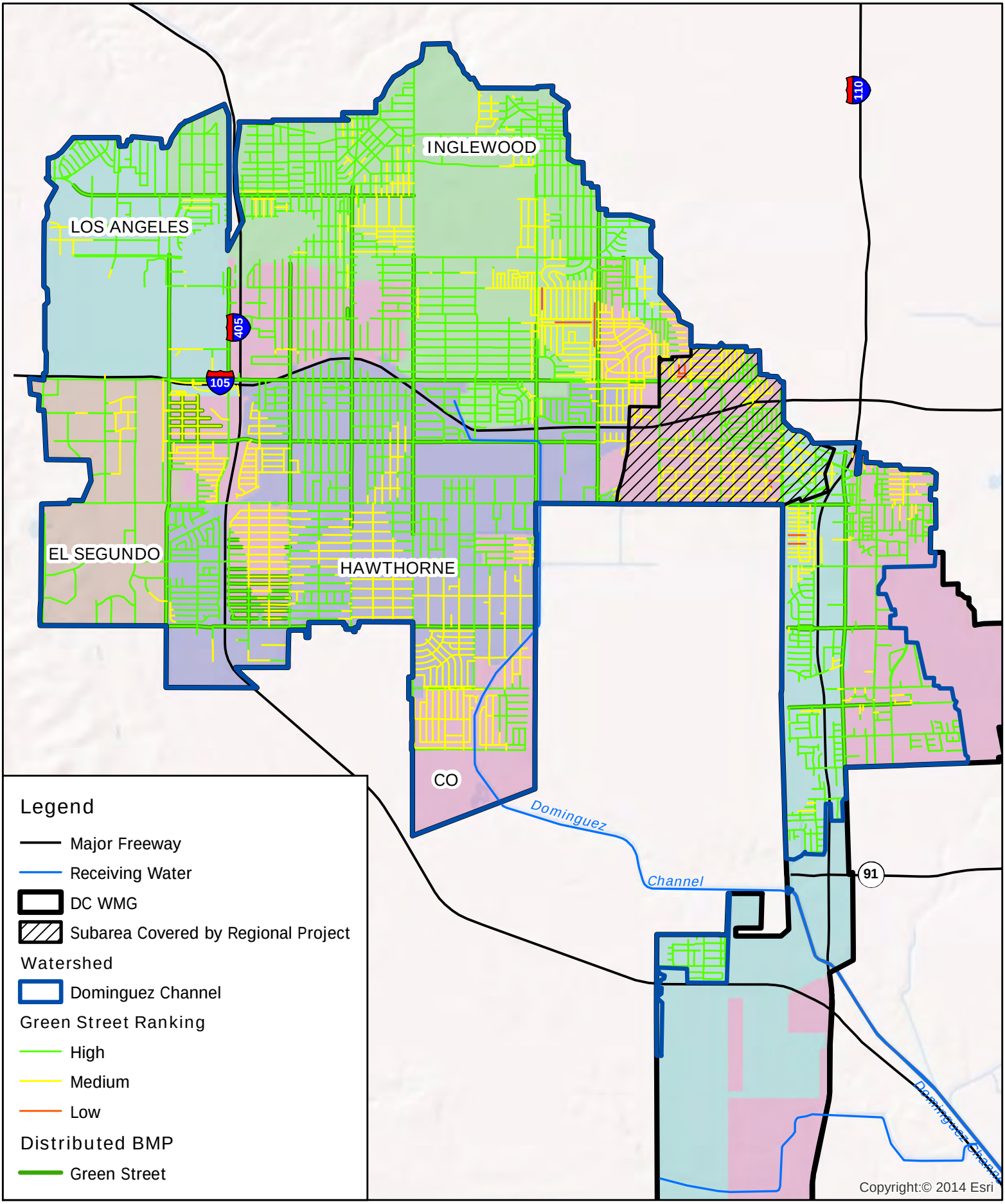
Green Street Implementation Summary by Subarea	
Subarea	**Lane Miles Provided**
BI10-1	12
BI1103	7
BI1103C	3
BI1104-2	0
BI1201	0
BI1202	0
BI1206	0
BI12-1	10
BI12-2	20
BI1232-1	65
BI1232-2	1
BI12-4	2
BI1275	1
BI13B	4
BI242	1
BI3894	5
BI4-1	2
BI4-2	9
BI432	0
BI439E	5
BI4401-1	0
BI4401-2	0
BI4402A	5
BI510A	3
BI511A	0
BI511D	1
BI512A	3
BI534-1	11
BI534-2	8
BI536A	4
BI541-1	0
BI541-2	0
BI586D	0
BI661	0
BI74	19
BI76	3
BI77A	0
BI79	5
BI8101	0
BI9806	0

Green Street Implementation Summary by Subarea	
Subarea	**Lane Miles Provided**
BI9813	40
BI9827B-4	0
BI9830	33
BODGR	0
DDI8NE	2
DDI8NW-1	2
DDI8NW-2	21
DDI8S	24
DELAMO	0
HLYPK	0
LA24857	3
LGADM-1	27
LGADM-10	1
LGADM-11	1
LGADM-15	0
LGADM-16	0
LGADM-17	2
LGADM-2	5
LGADM-3	6
LGADM-4	1
LGADM-5	3
LGADM-6	0
LGADM-7	3
LGADM-9	0
Port01	0
Port02	0
Port03	0
Port04	1
Port05	0
Port06	0
Port09	0
Port10	0
Port11	0
Port13	0
Port14	0
Port15	1
Port16	0
Port17	0
SD2002	0
SPB01	0
SPB02	0

Green Street Implementation Summary by Subarea	
Subarea	**Lane Miles Provided**
SPB03	0
SPB04	0
SPB05	0
SPB06	0
SPB07	0
SPB08	9
SPB09	0
SPB10	0
SPB11	6
SPB12	13
UNION	0

Attachment C
Green Street Watershed Maps

PAGE INTENTIONALLY LEFT BLANK

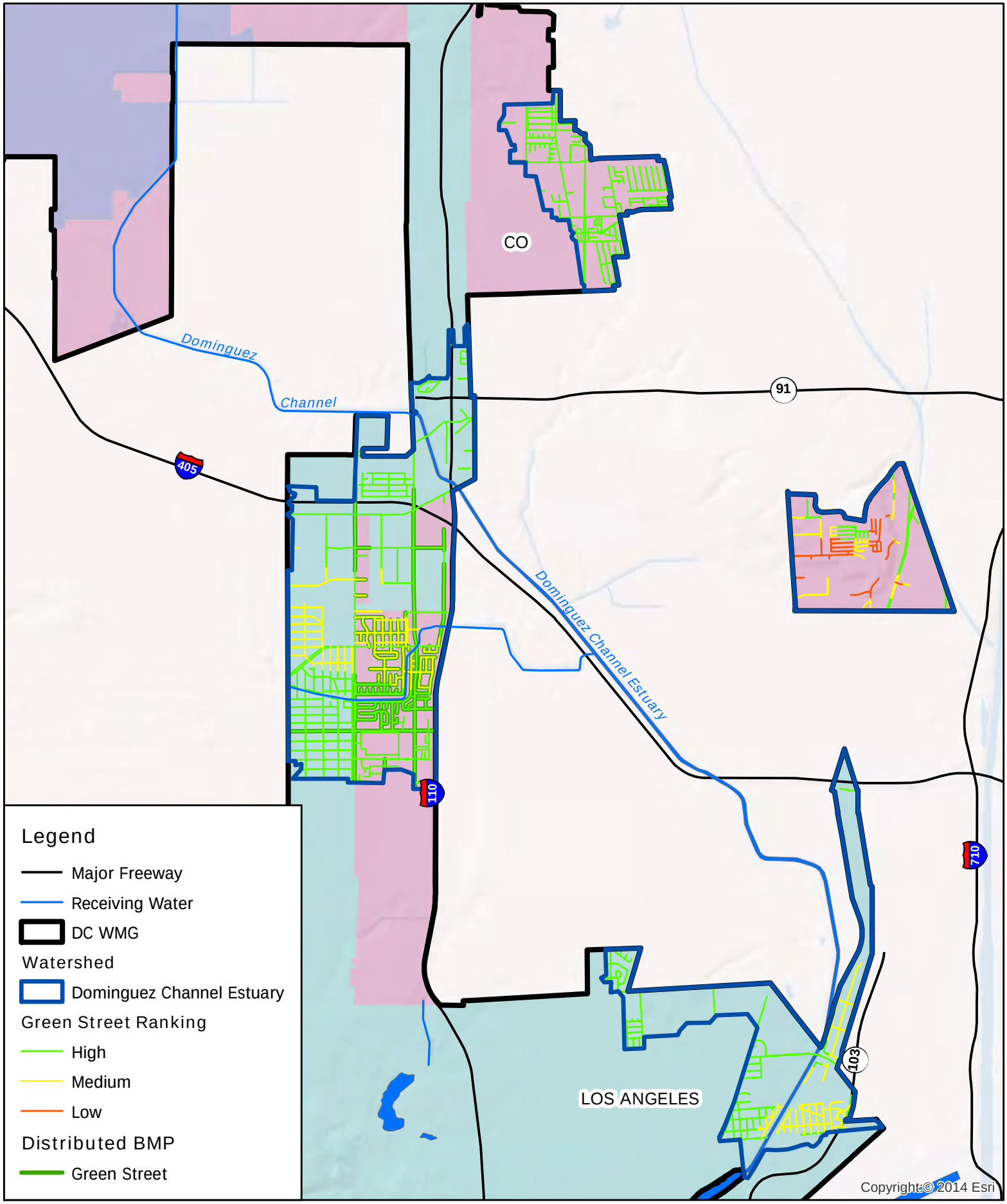


N

0 0.5 1 2 Miles

Green Street Implementation Summary
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

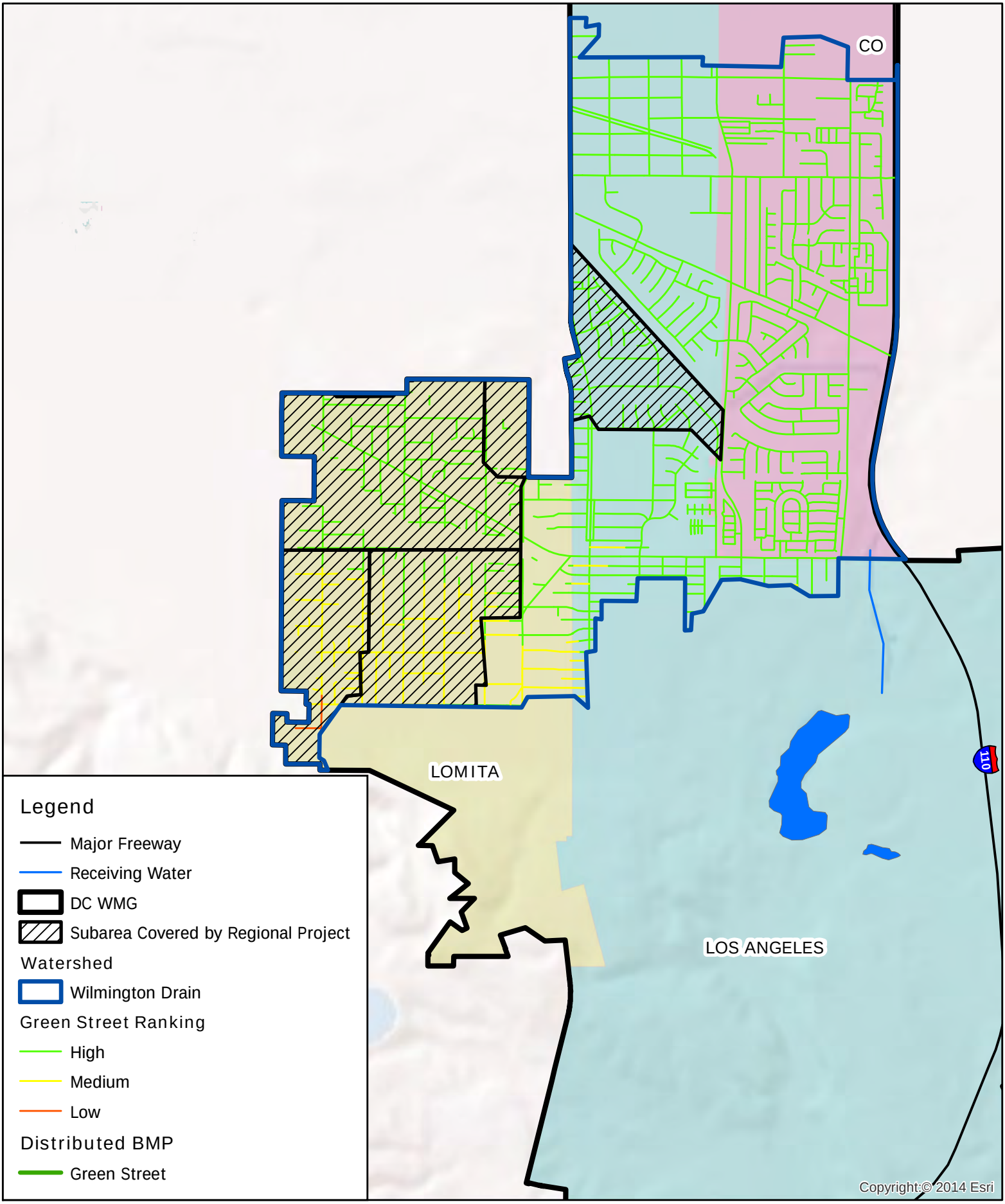


N

0 0.5 1 2 Miles

Green Street Implementation Summary
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

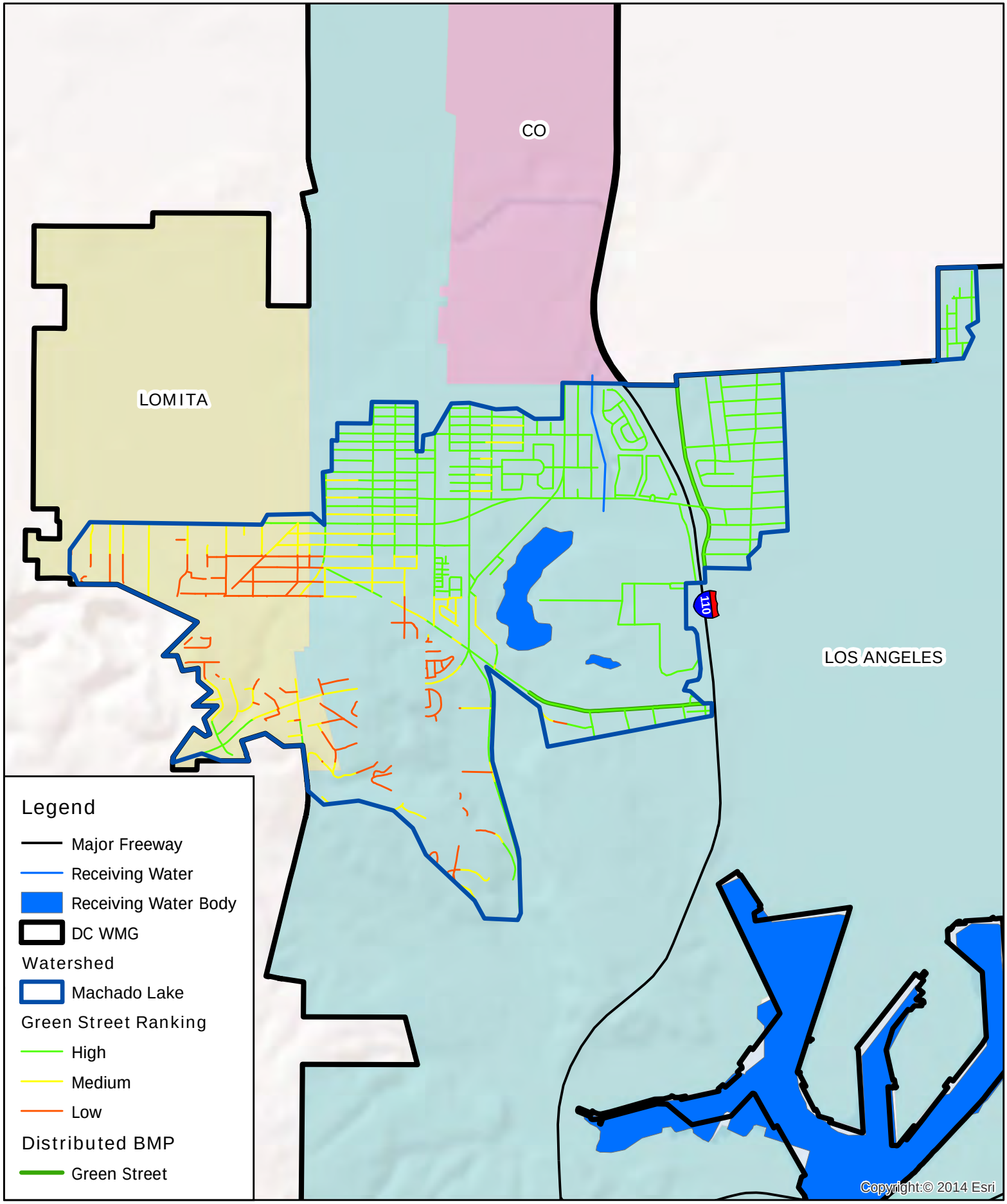


N

0 0.25 0.5 1 Mile

Green Street Implementation Summary
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

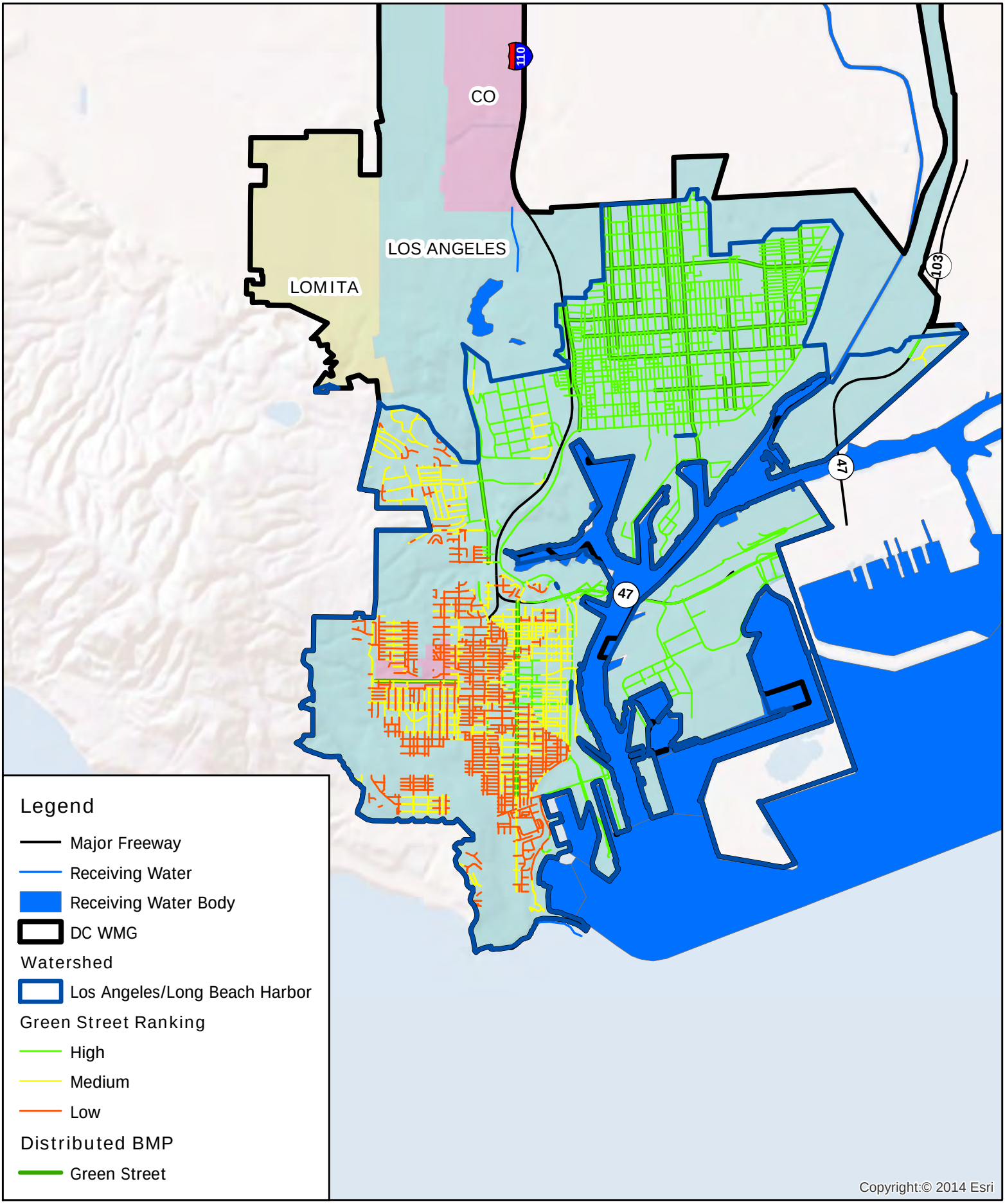


N

0 0.25 0.5 1 Mile

Green Street Implementation Summary
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

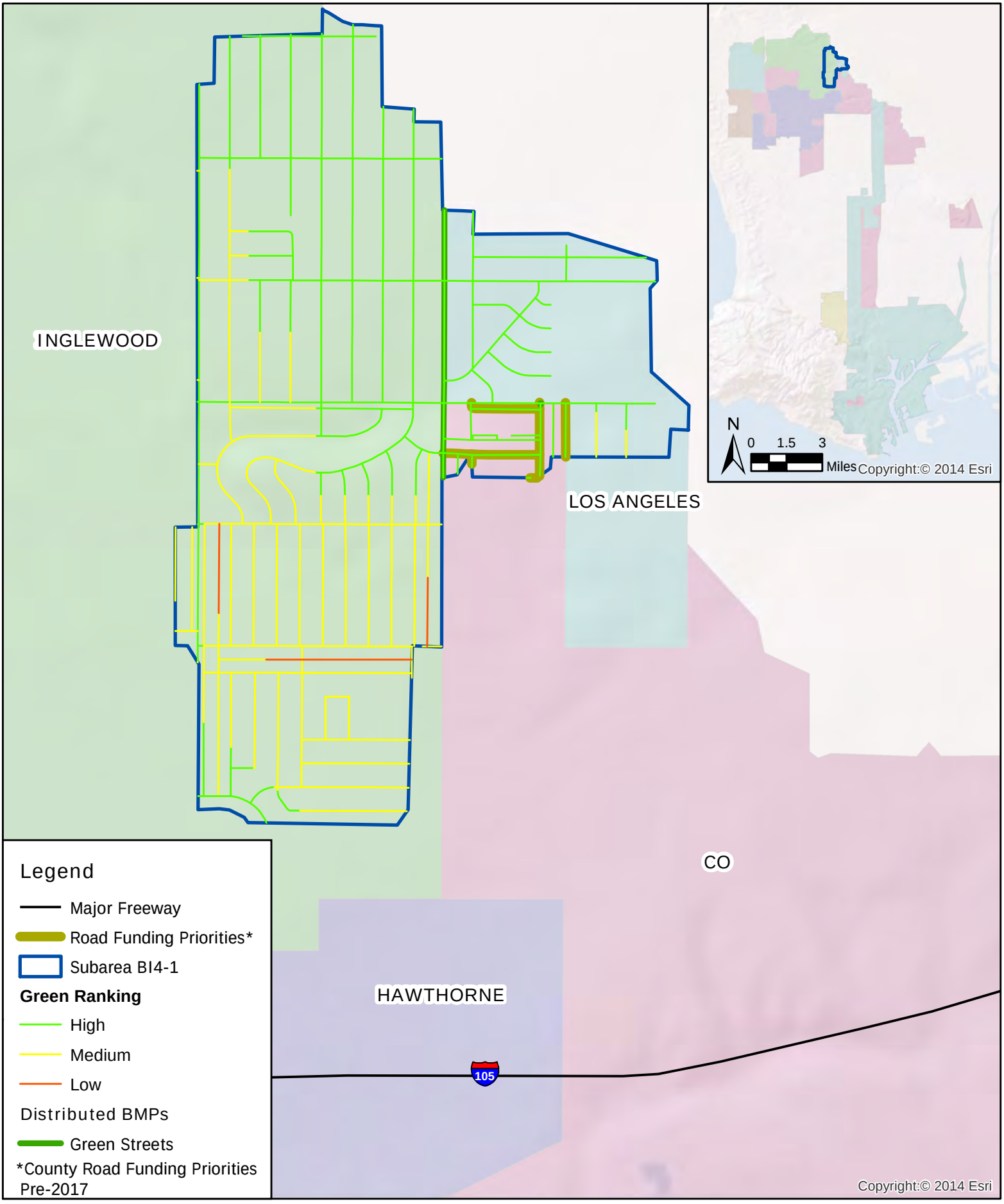


N

0 0.5 1 2 Miles

Green Street Implementation Summary
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

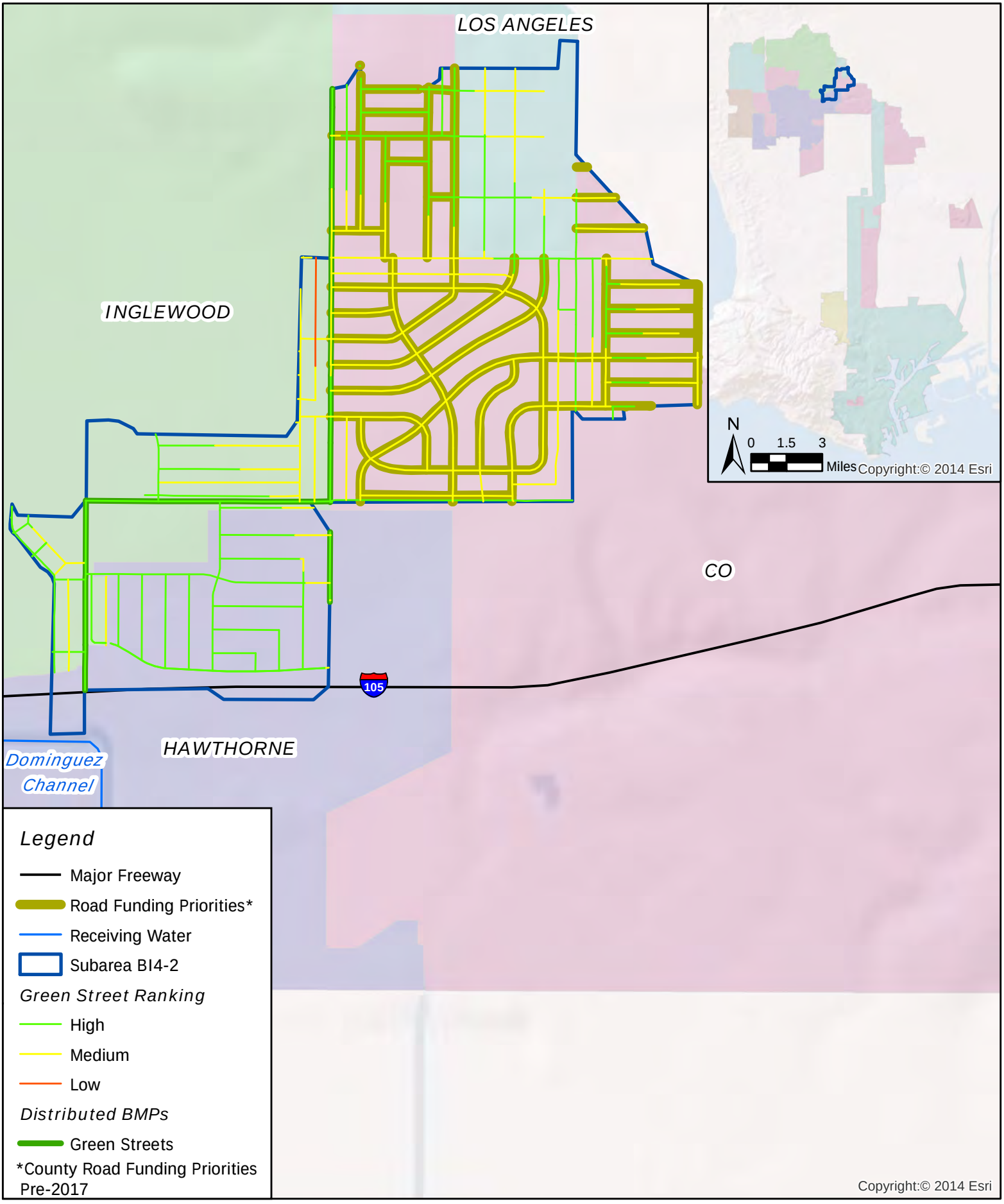


N

0 500 1,000 2,000 Feet

Subarea BI4-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

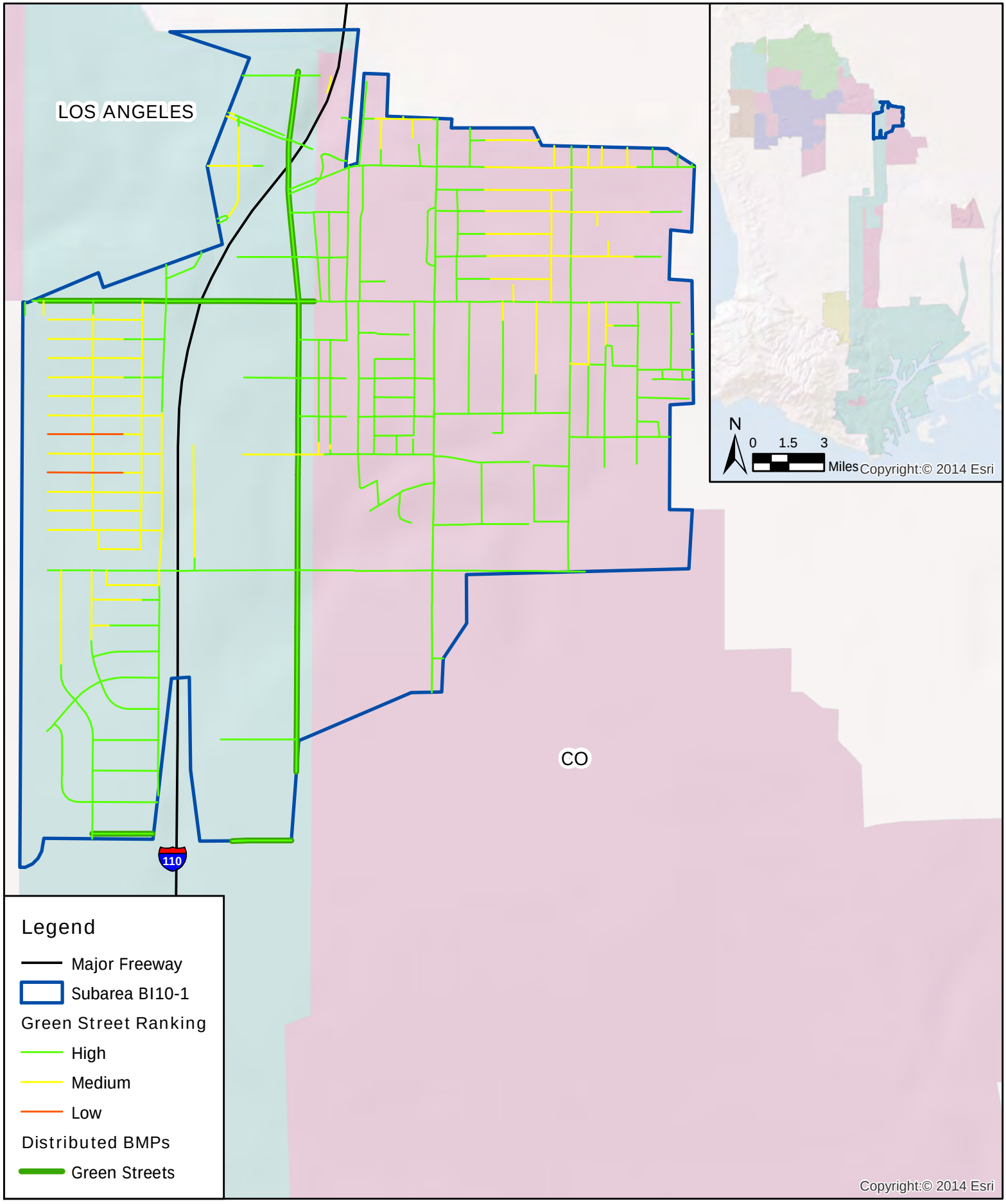


N

0 500 1,000 2,000 Feet

Subarea BI4-2
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

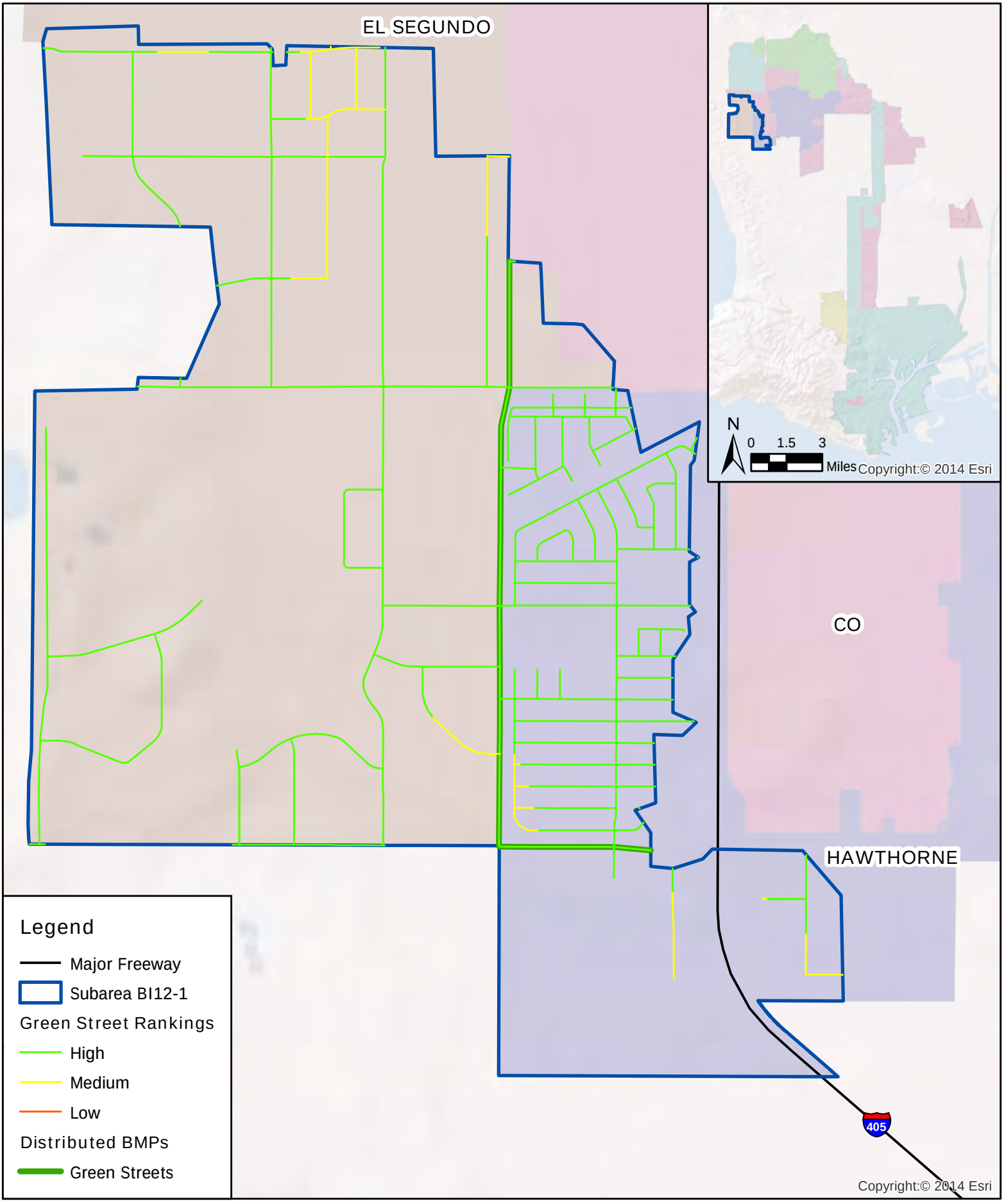


N

0 500 1,000 2,000 Feet

Subarea BI10-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

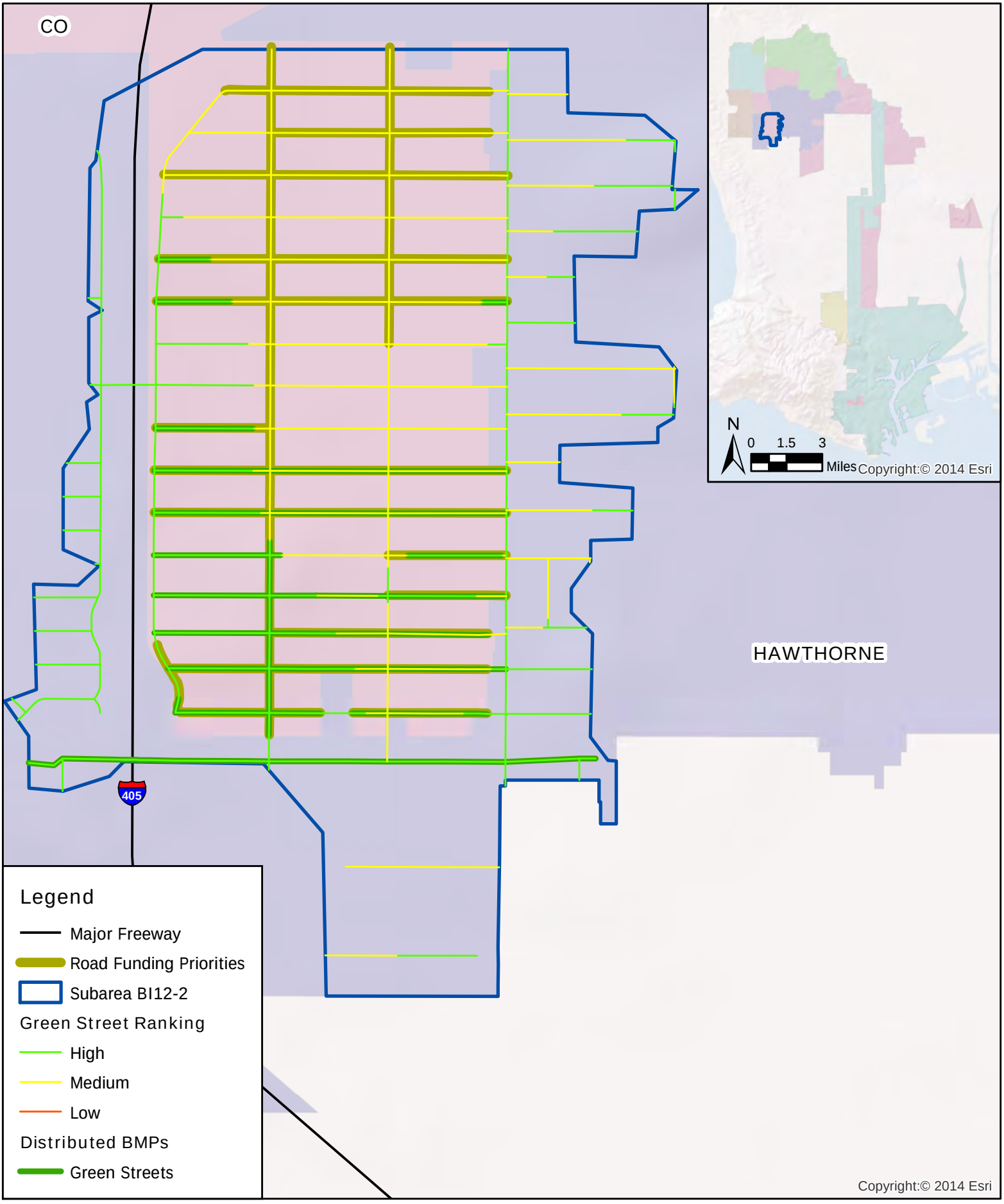


N

0 500 1,000 2,000
Feet

Subarea BI12-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

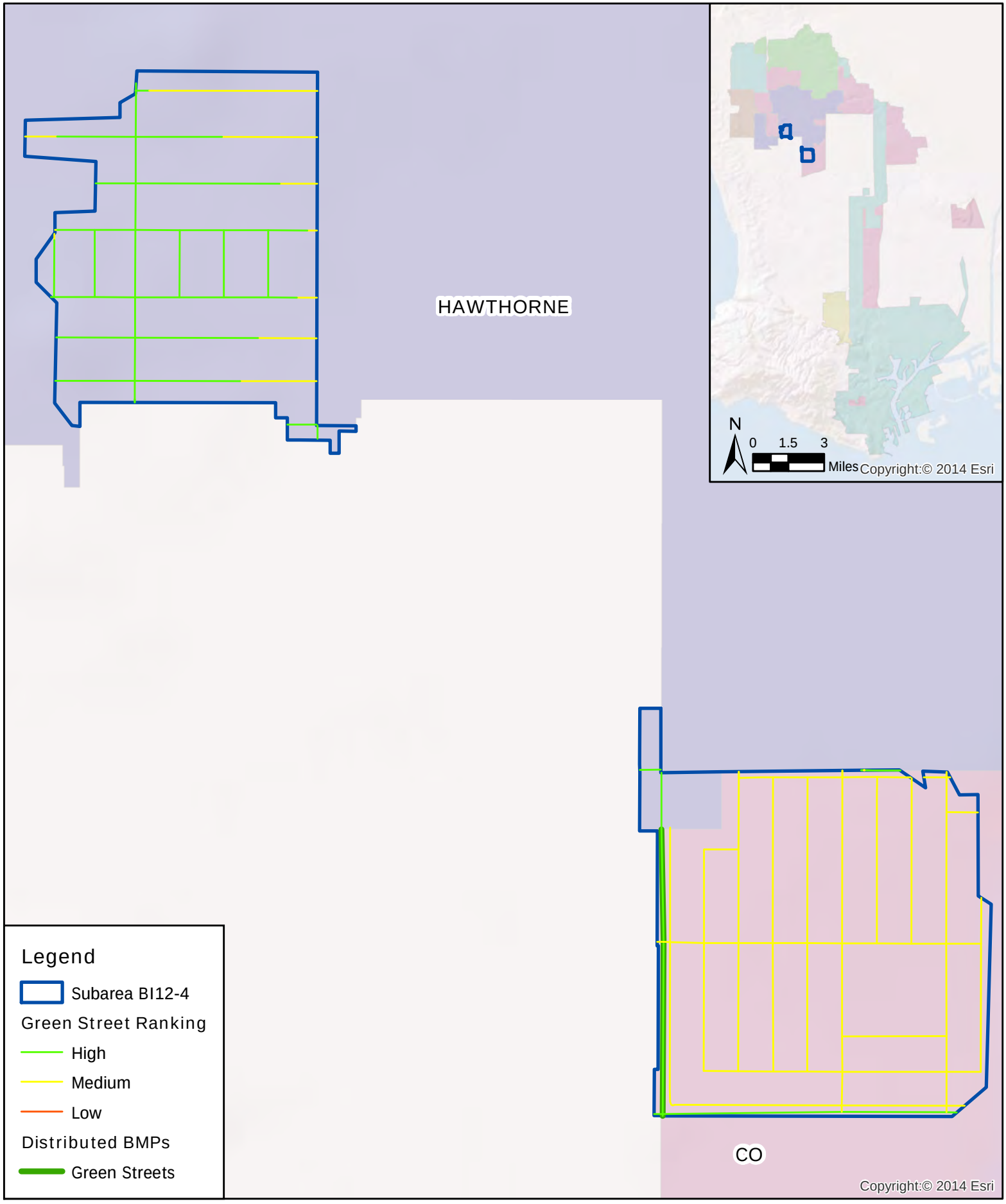


N

0 500 1,000 2,000 Feet

Subarea BI12-2
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

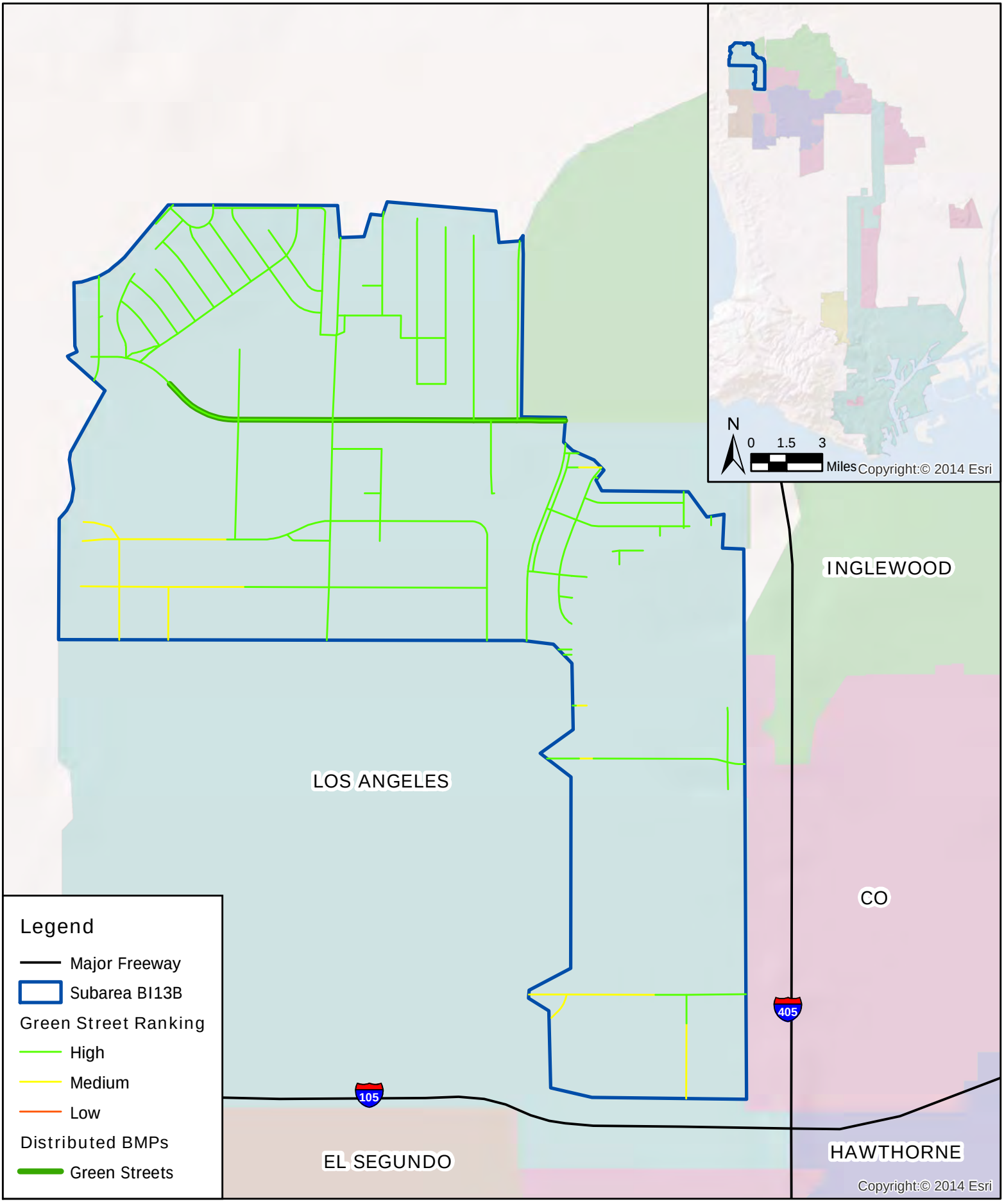


N

0 500 1,000 2,000 Feet

Subarea BI12-4
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

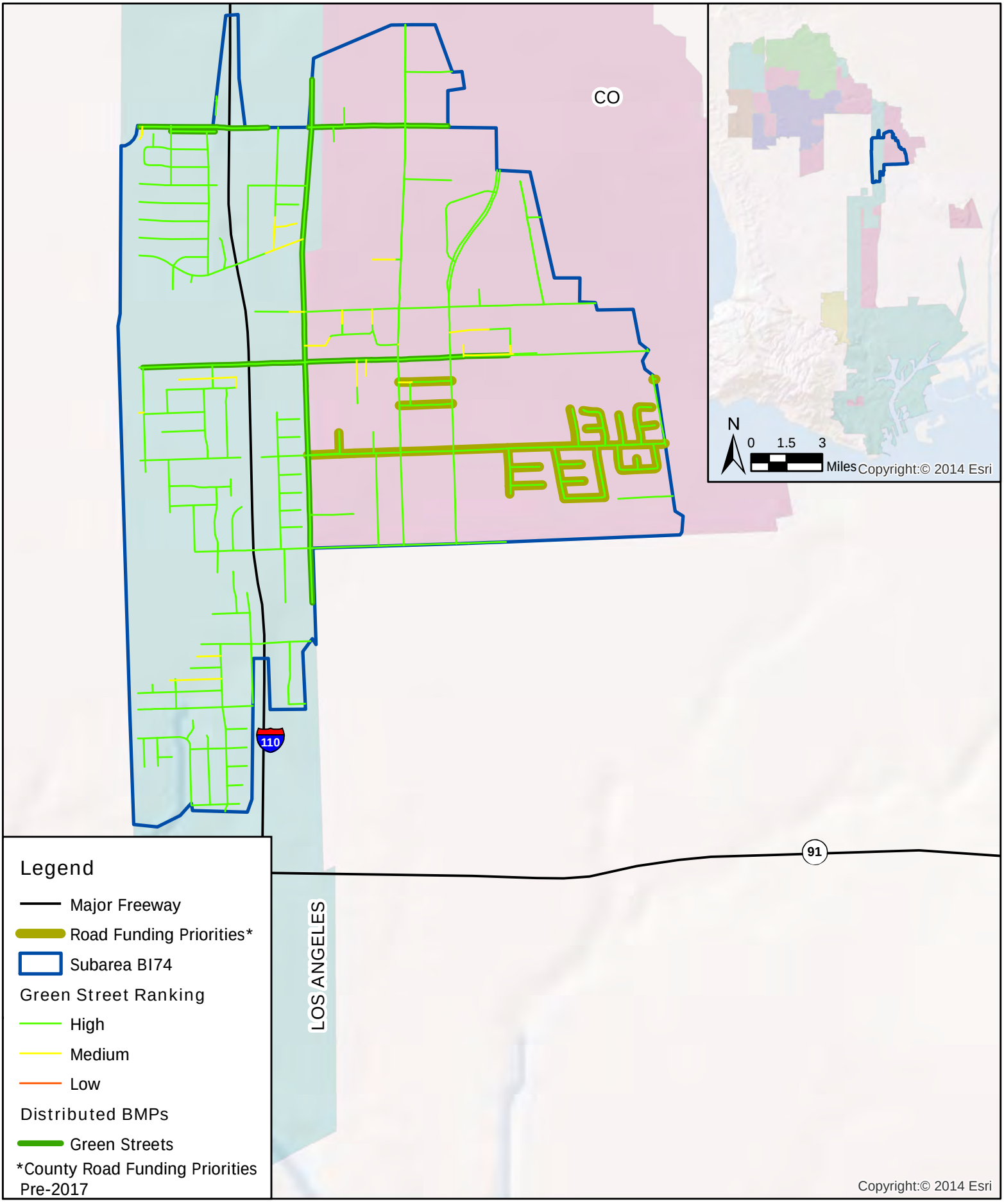


N

0 500 1,000 2,000 Feet

Subarea BI13B
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

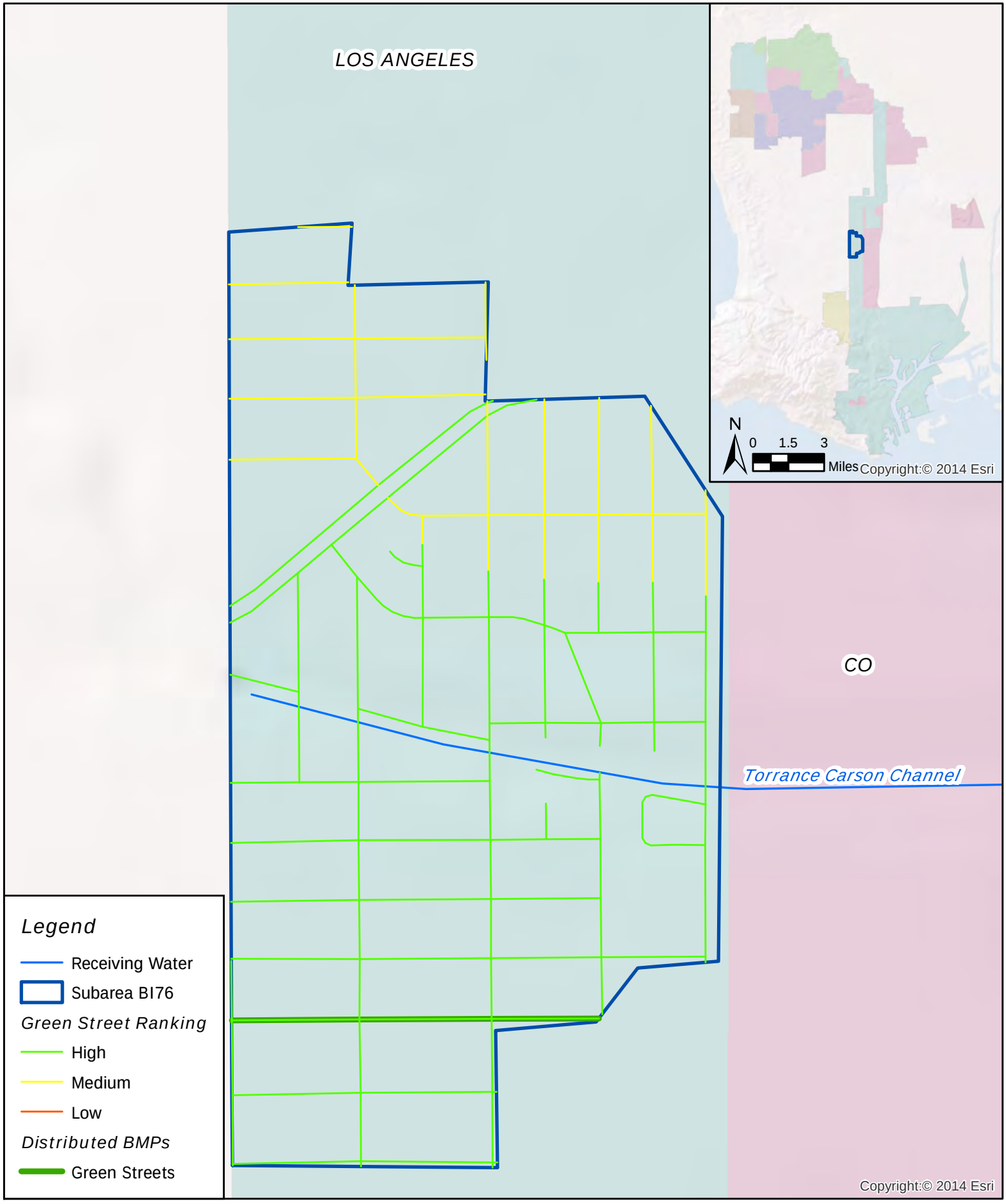


N

0 750 1,500 3,000 Feet

Subarea BI74
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

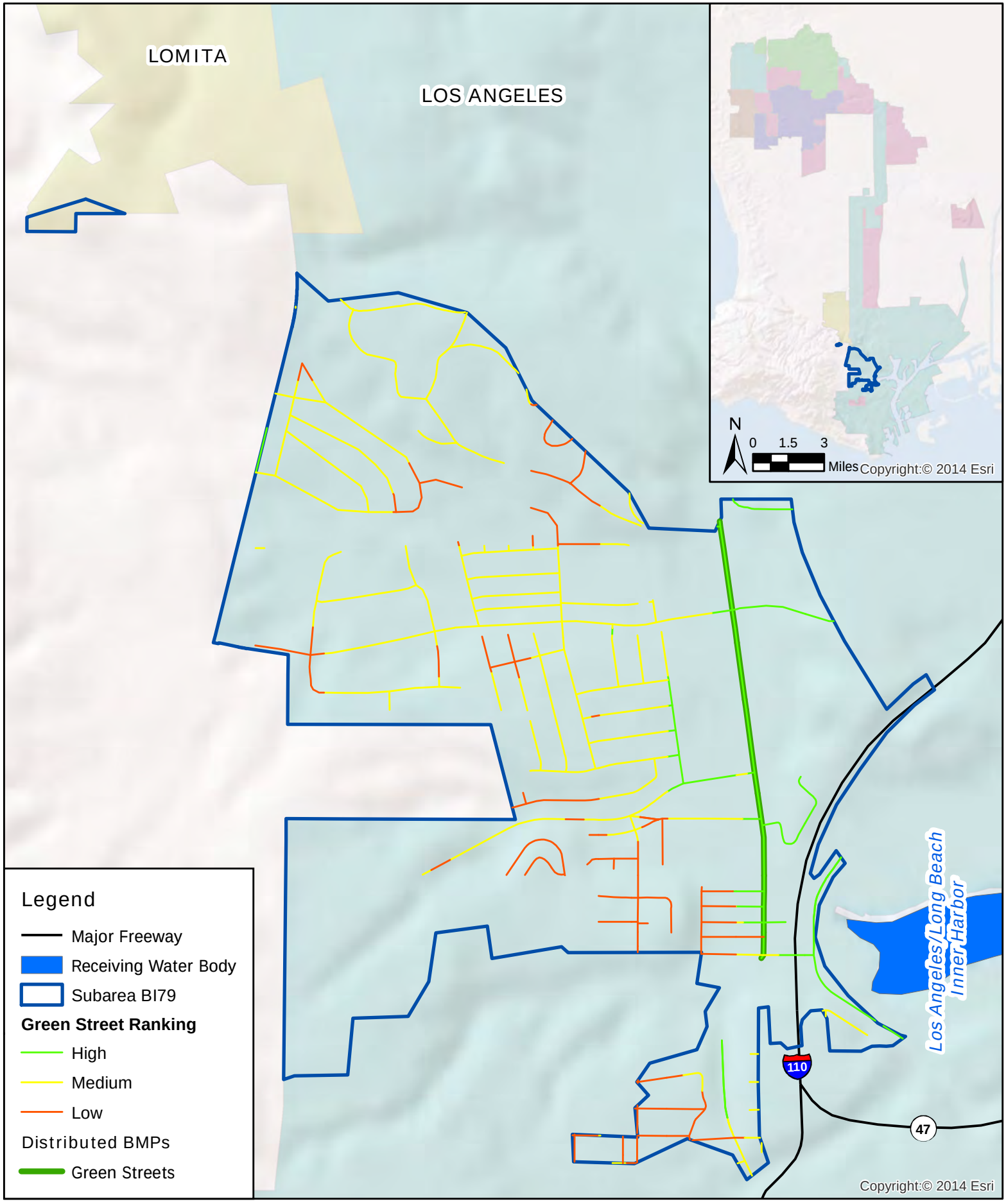


N

0 250 500 1,000
Feet

Subarea BI76
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

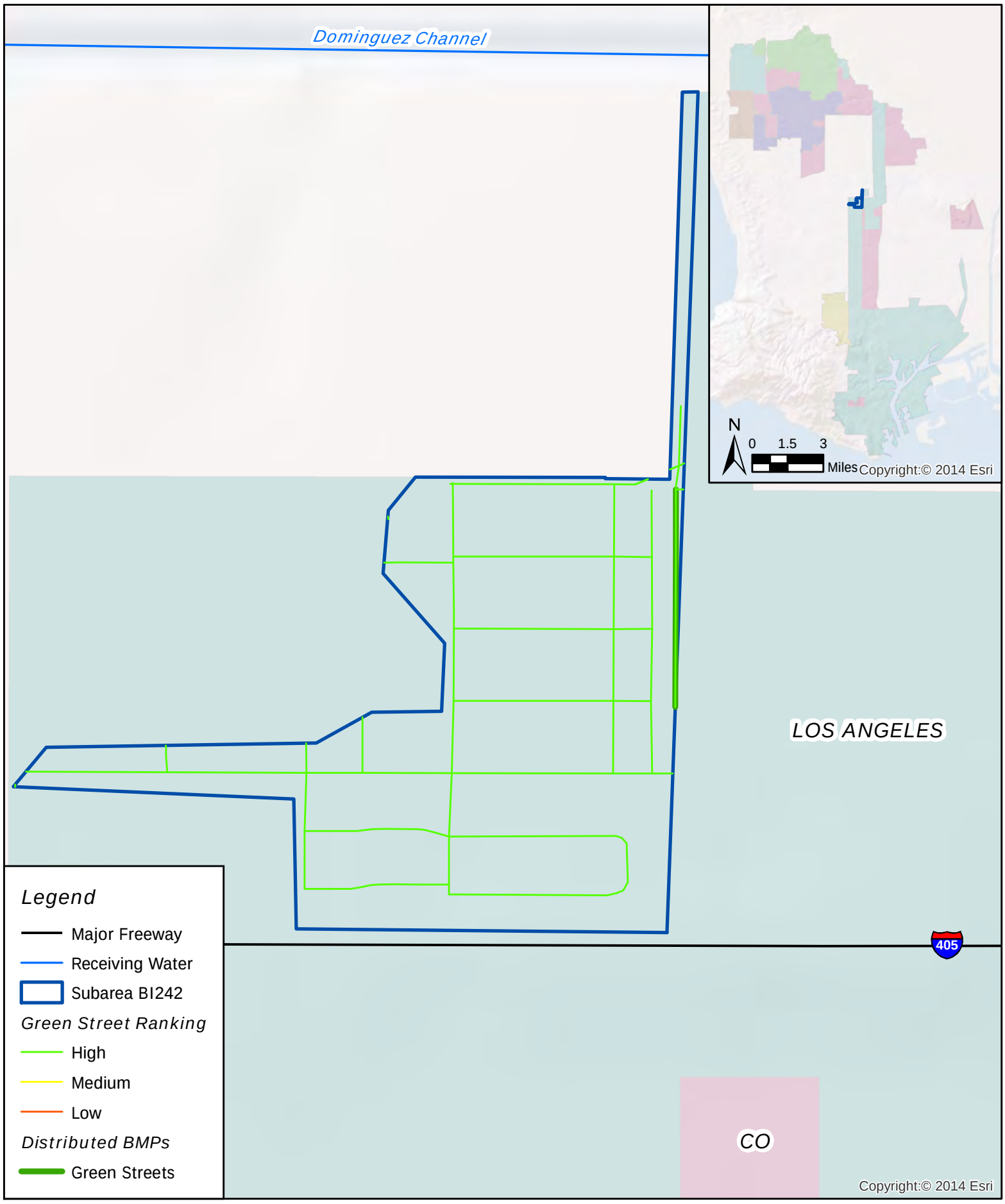


N

0 500 1,000 2,000 Feet

Subarea BI79
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

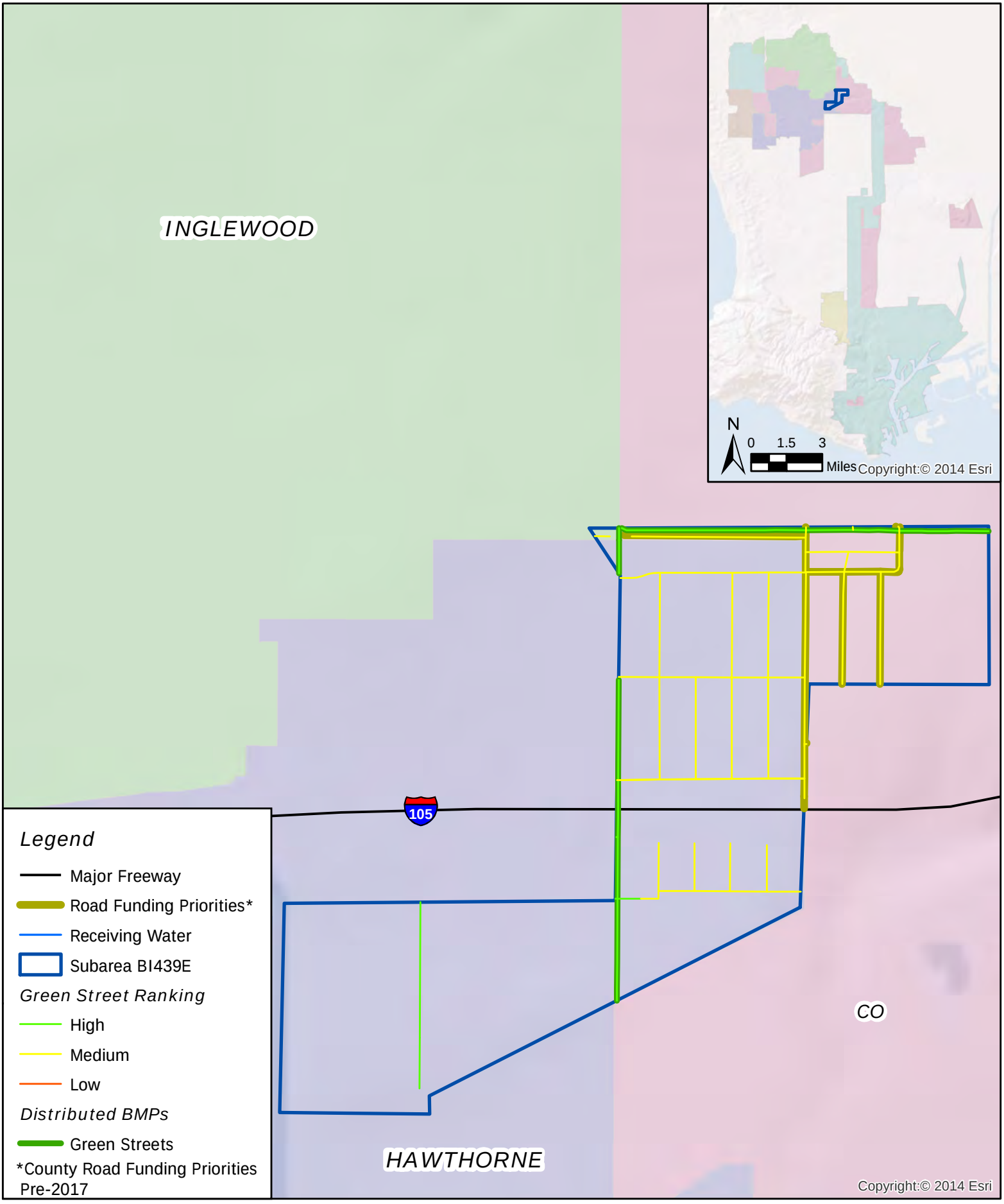


N

0 250 500 1,000 Feet

Subarea BI242
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

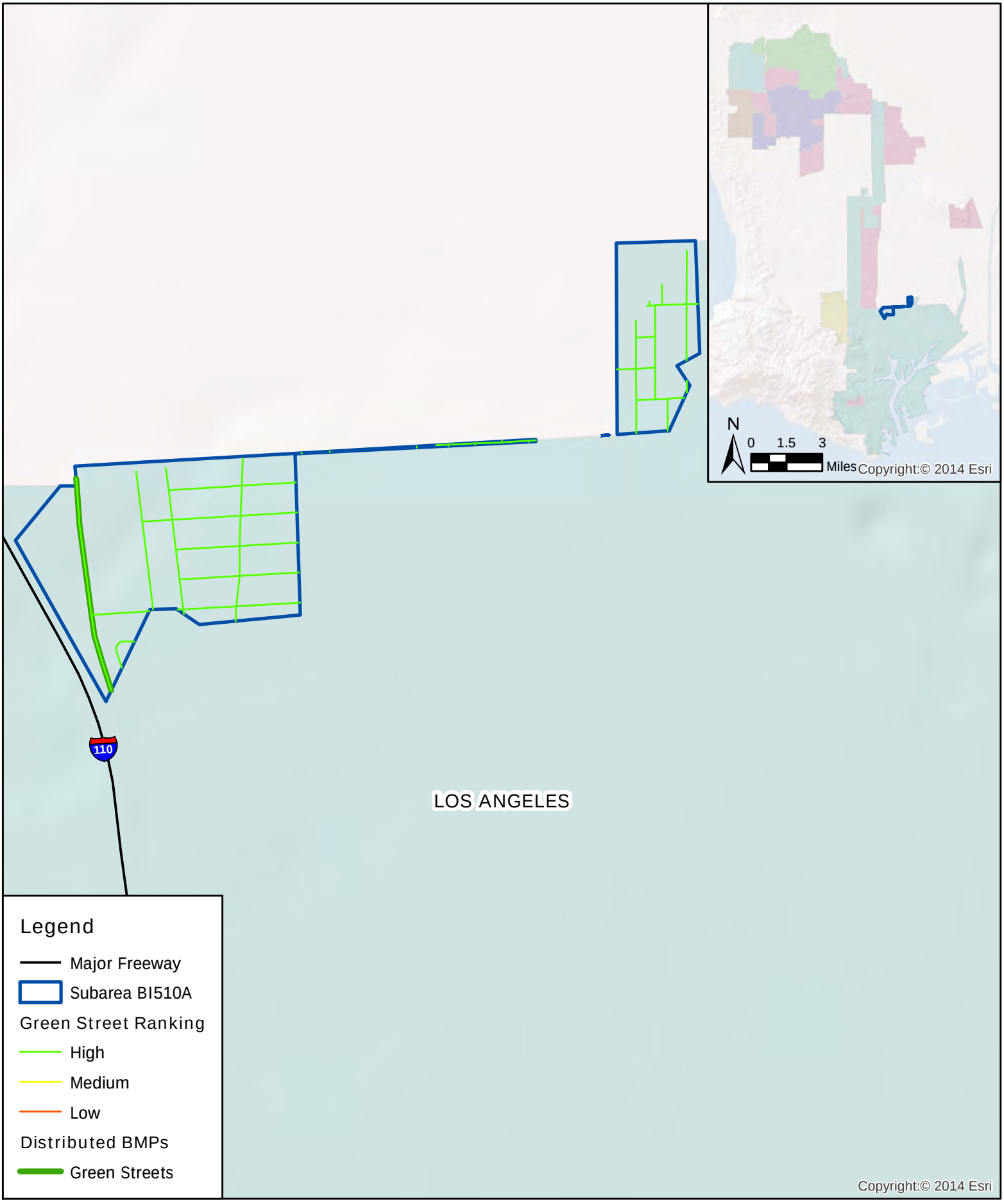


N

0 500 1,000 2,000 Feet

Subarea BI439E
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

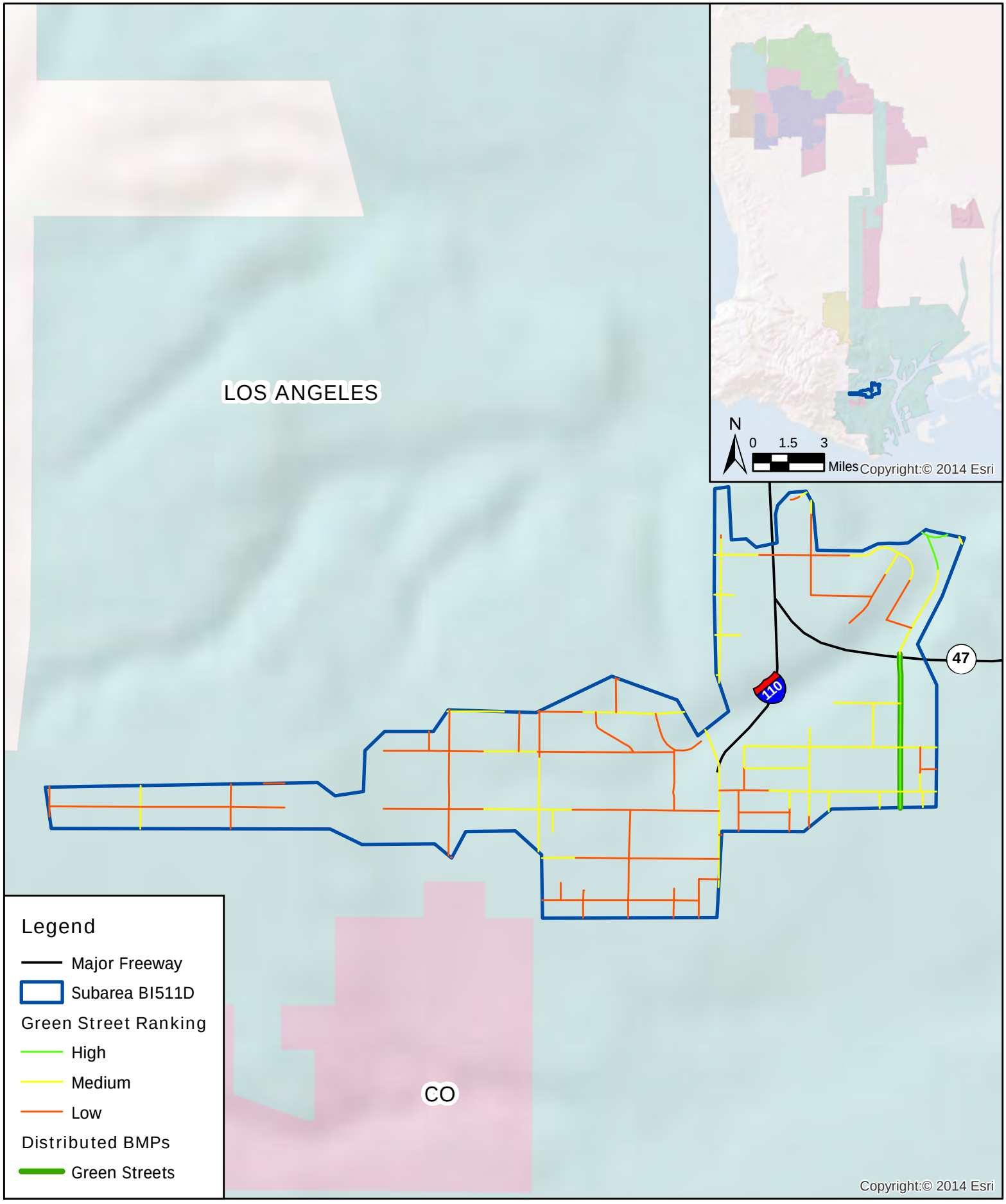


N

0 500 1,000 2,000
Feet

Subarea BI510A
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

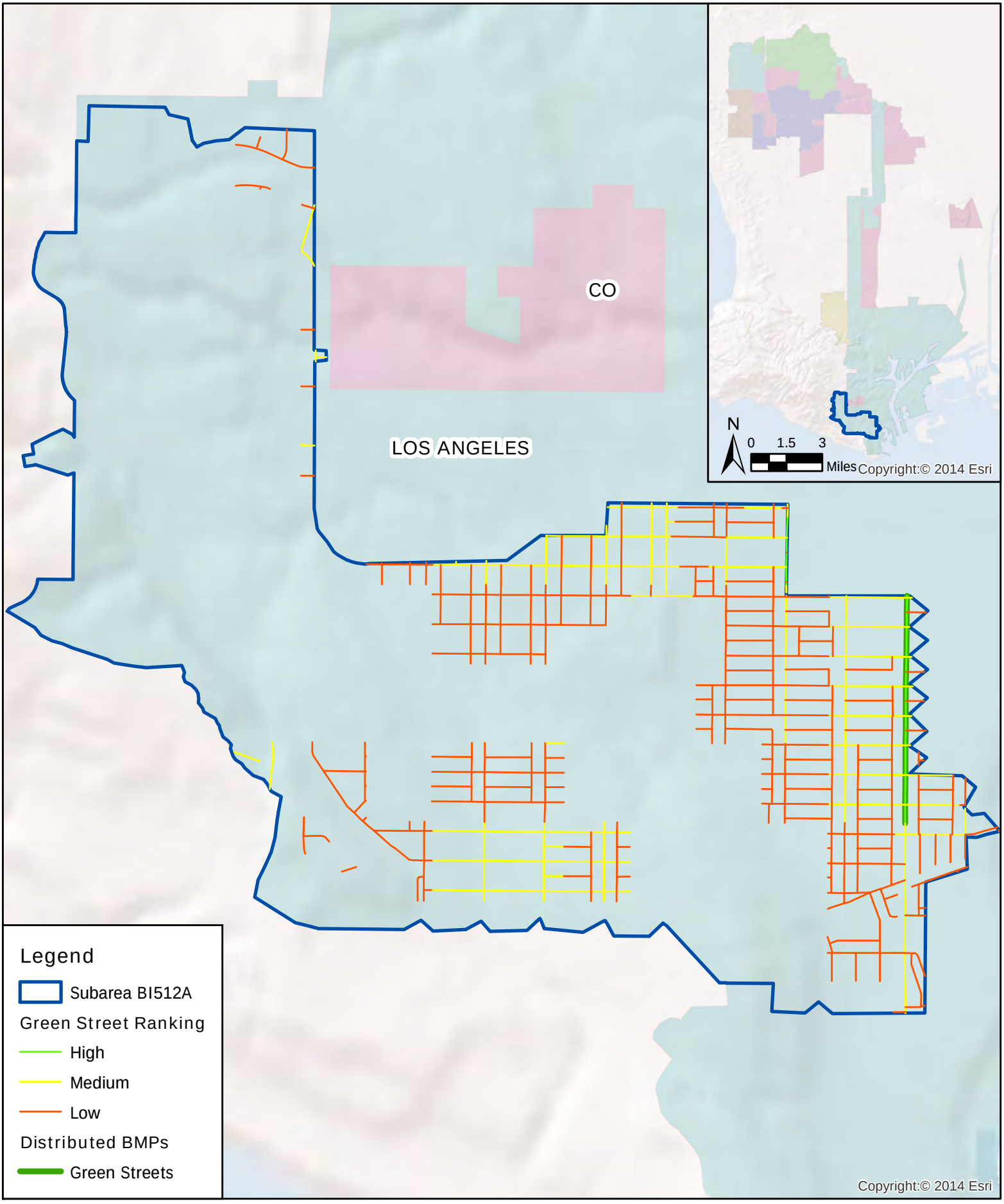


N

0 500 1,000 2,000 Feet

Subarea BI511D
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

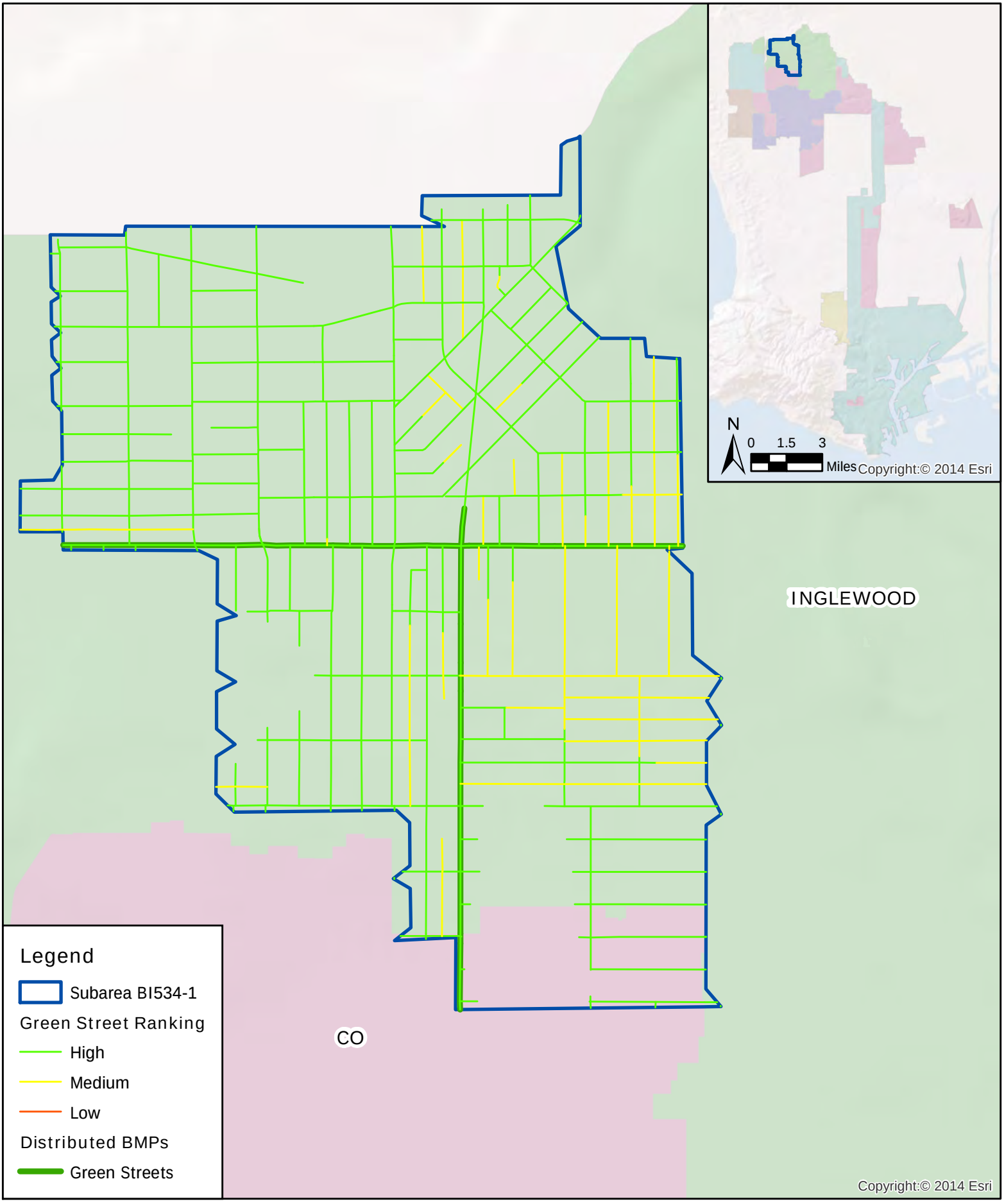


N

0 750 1,500 3,000 Feet

Subarea BI512A
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

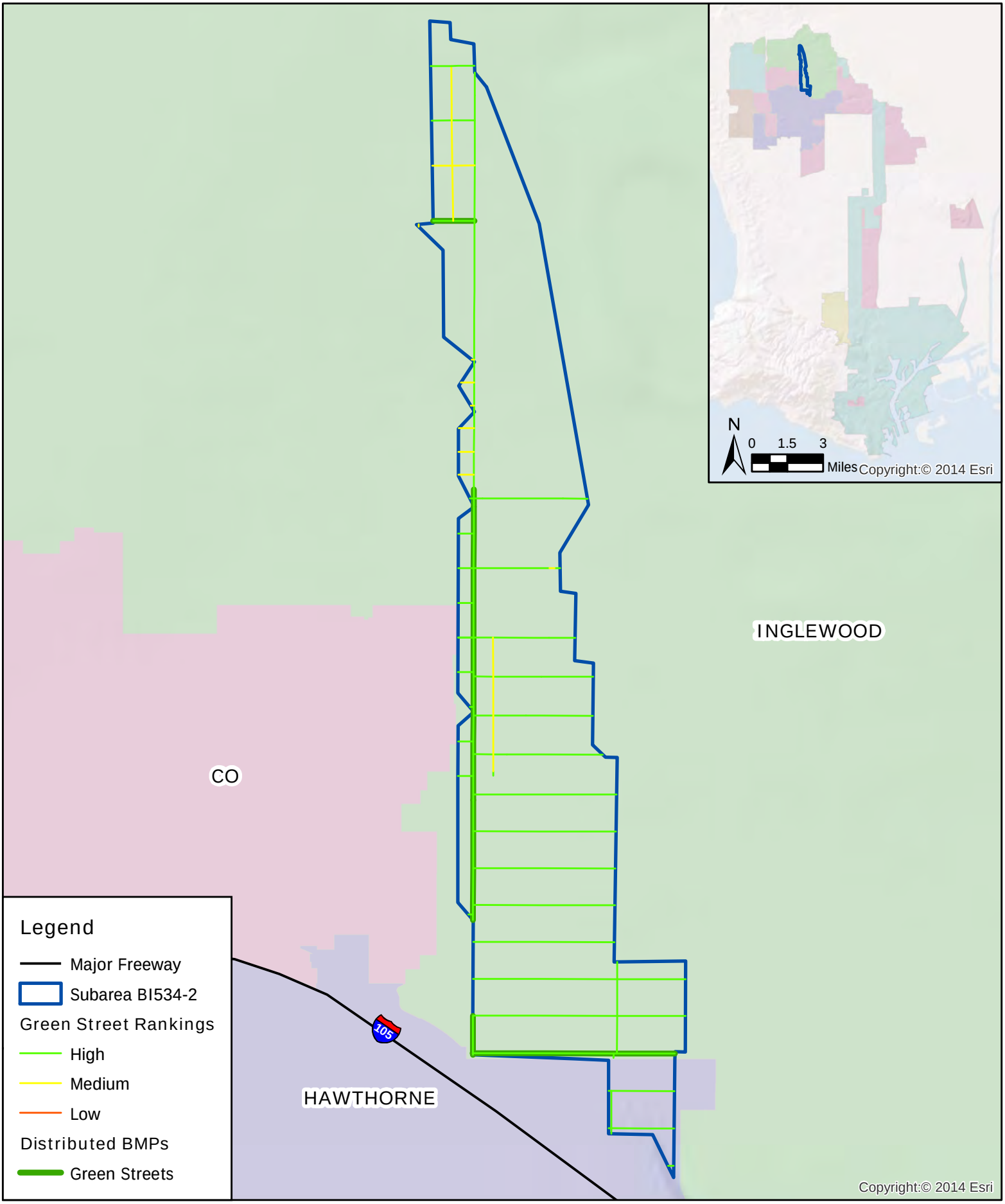


N

0 500 1,000 2,000 Feet

Subarea BI534-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

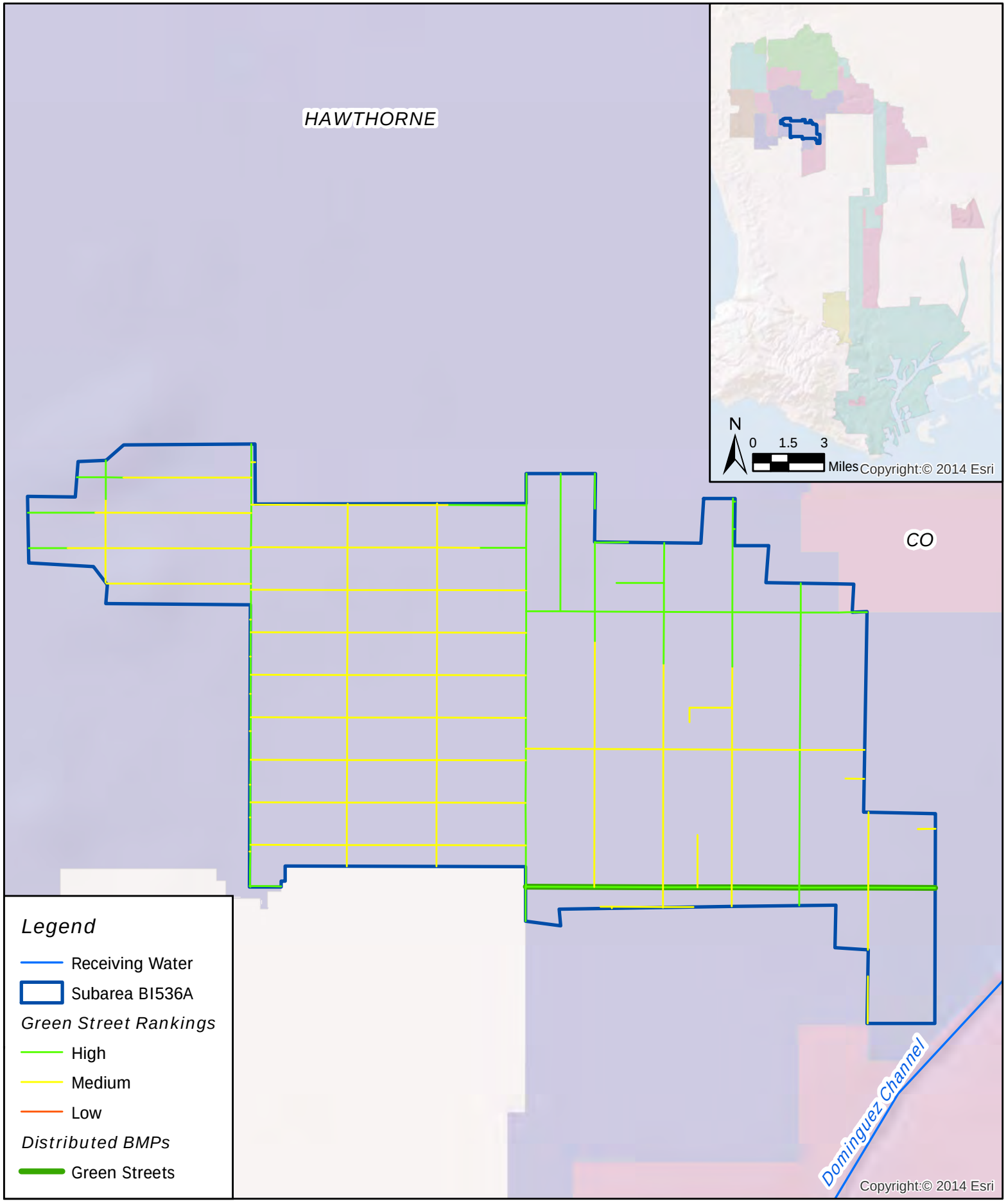


N

0 500 1,000 2,000 Feet

Subarea BI534-2
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

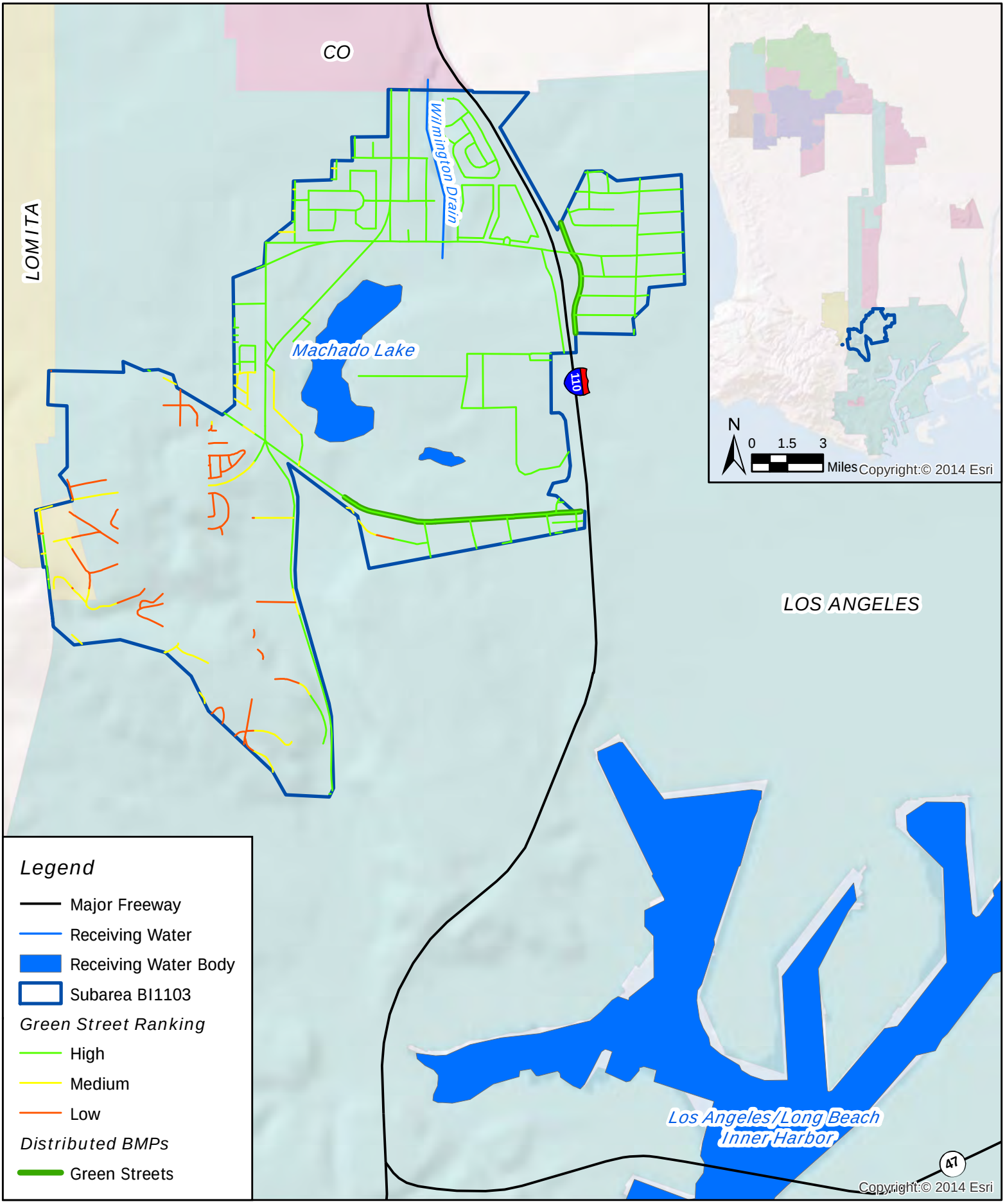


N

0 500 1,000 2,000 Feet

Subarea BI536A
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

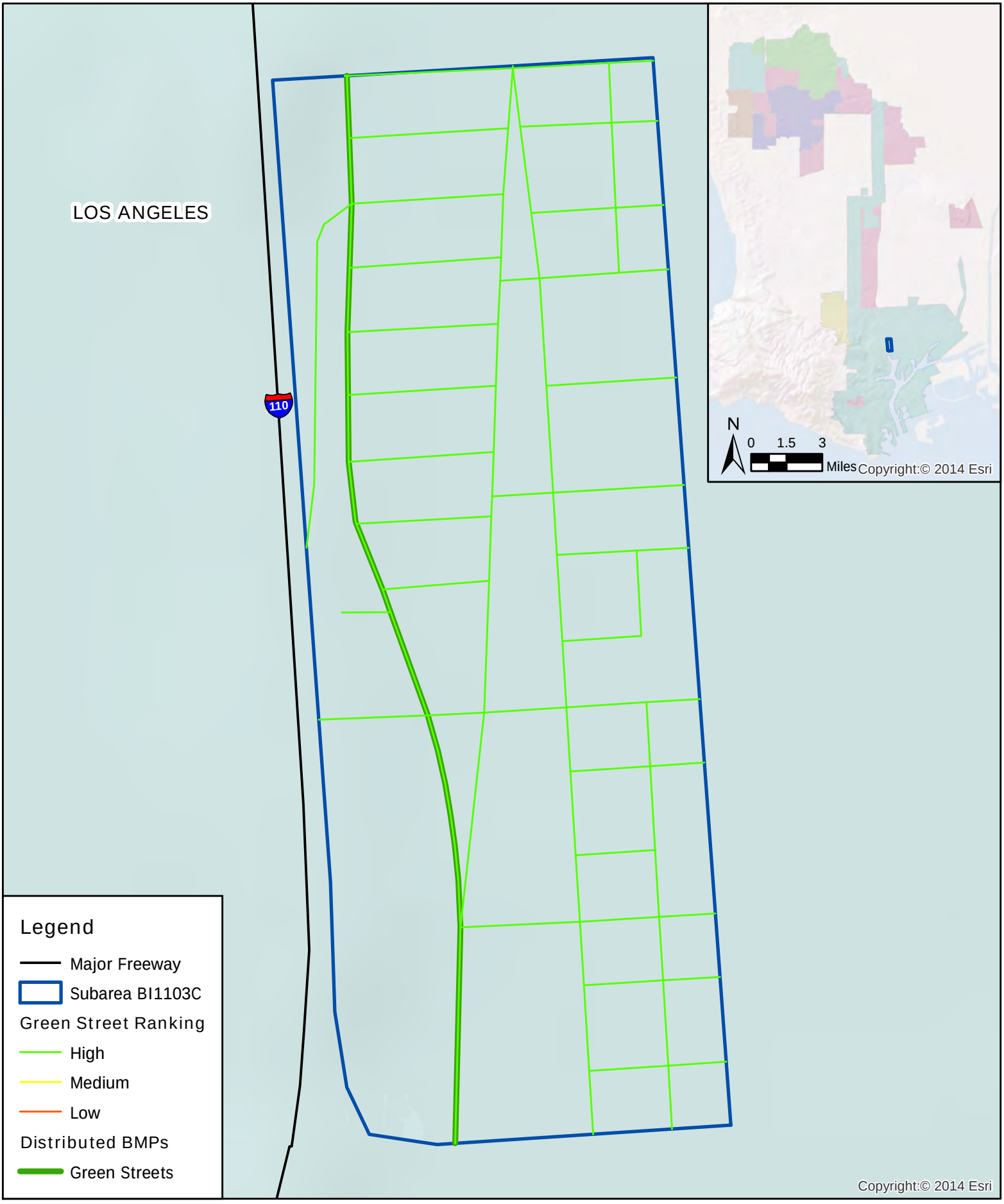


N

0 750 1,500 3,000 Feet

Subarea BI1103
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

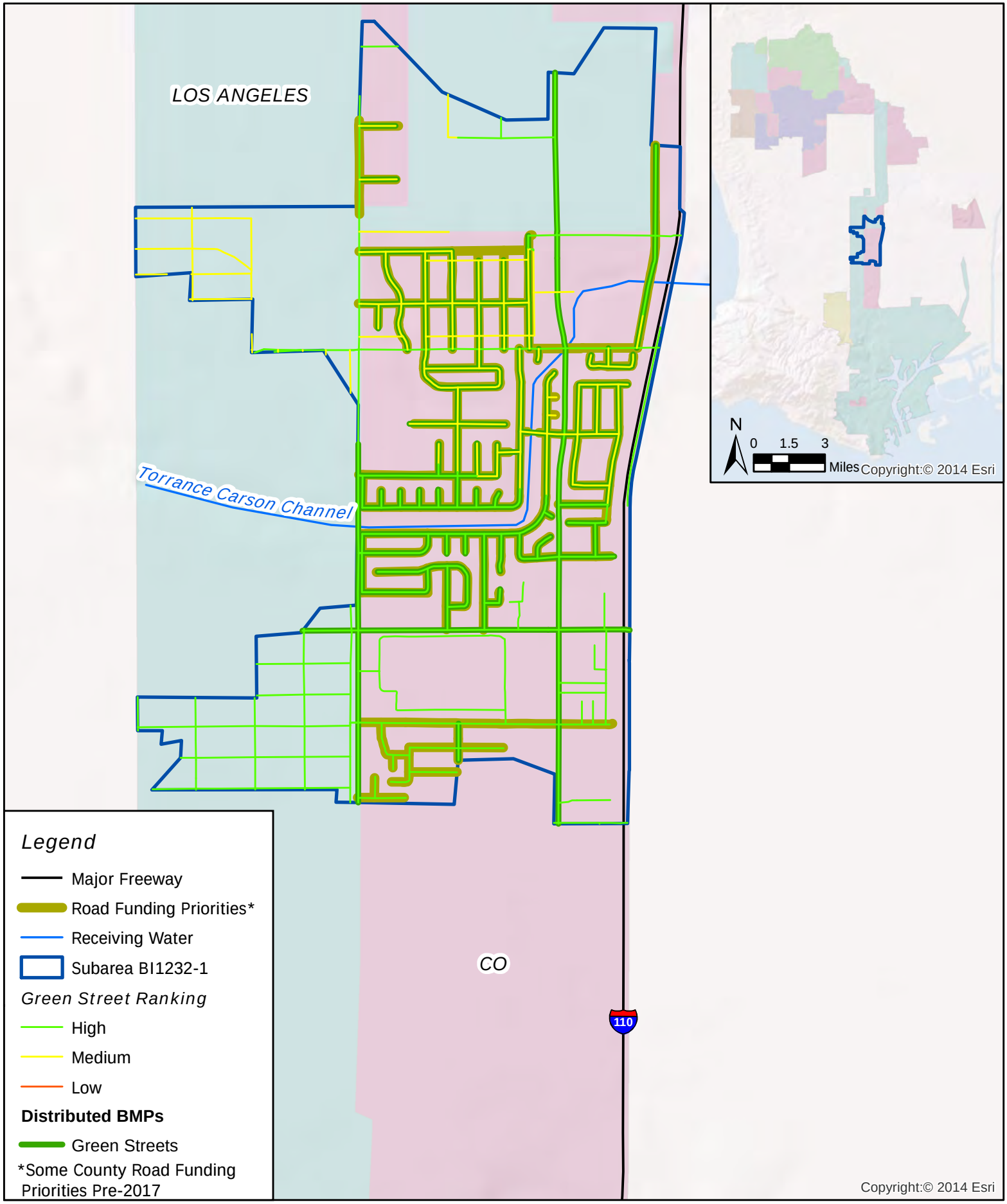


N

0 125 250 500
Feet

Subarea BI1103C
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

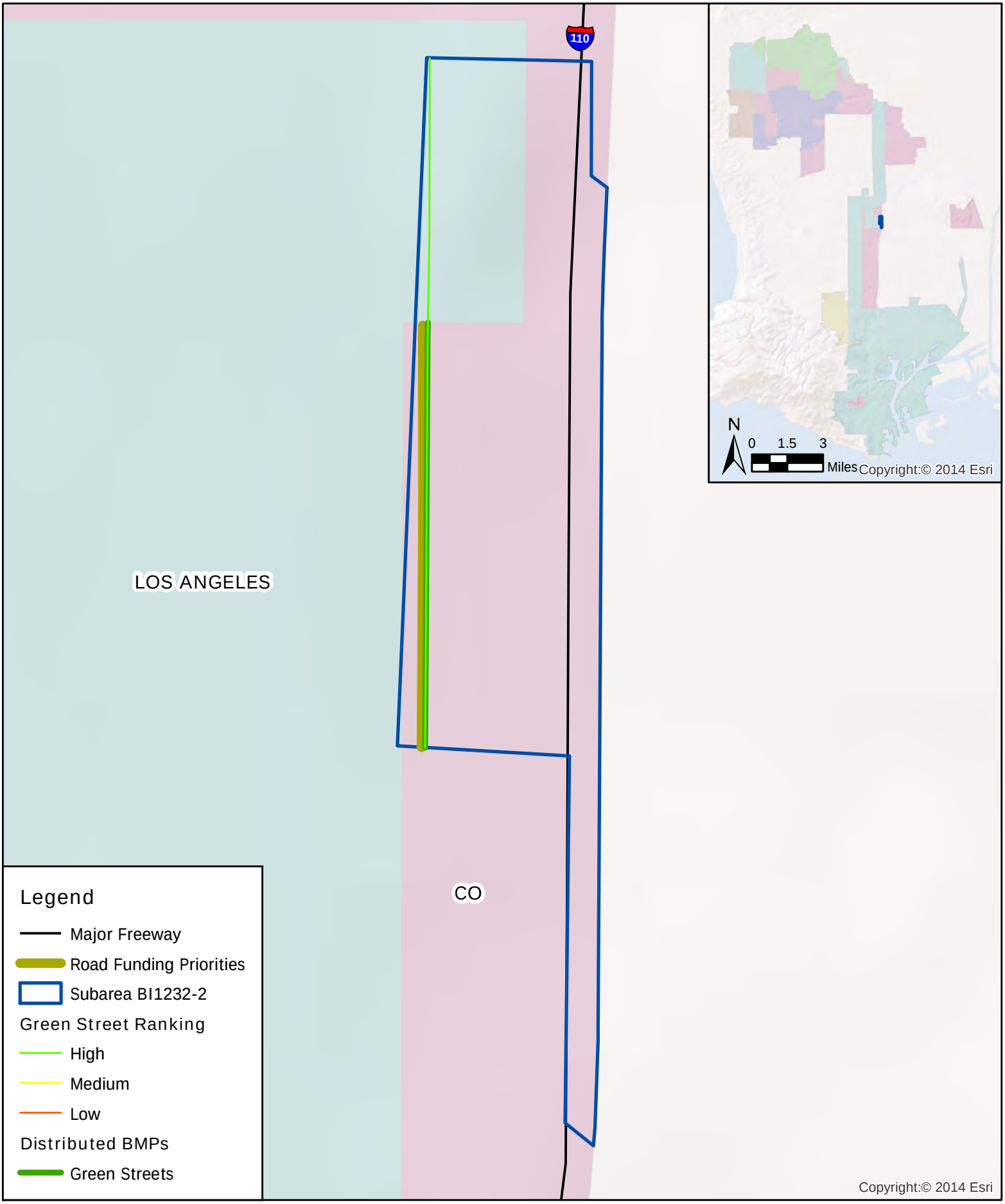


N

0 750 1,500 3,000 Feet

SubareaBI1232-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

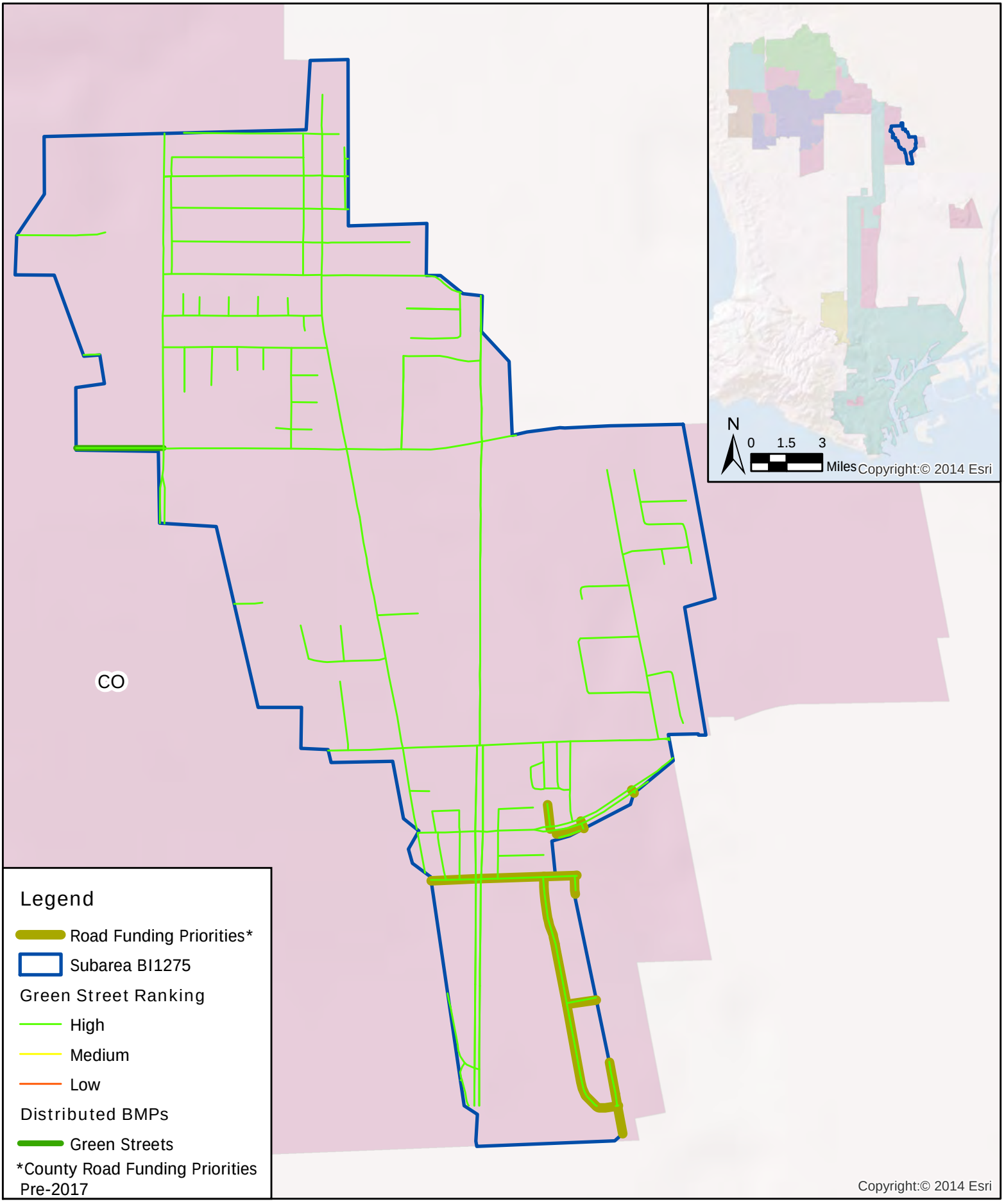


N

0 125 250 500 Feet

Subarea BI1232-2
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

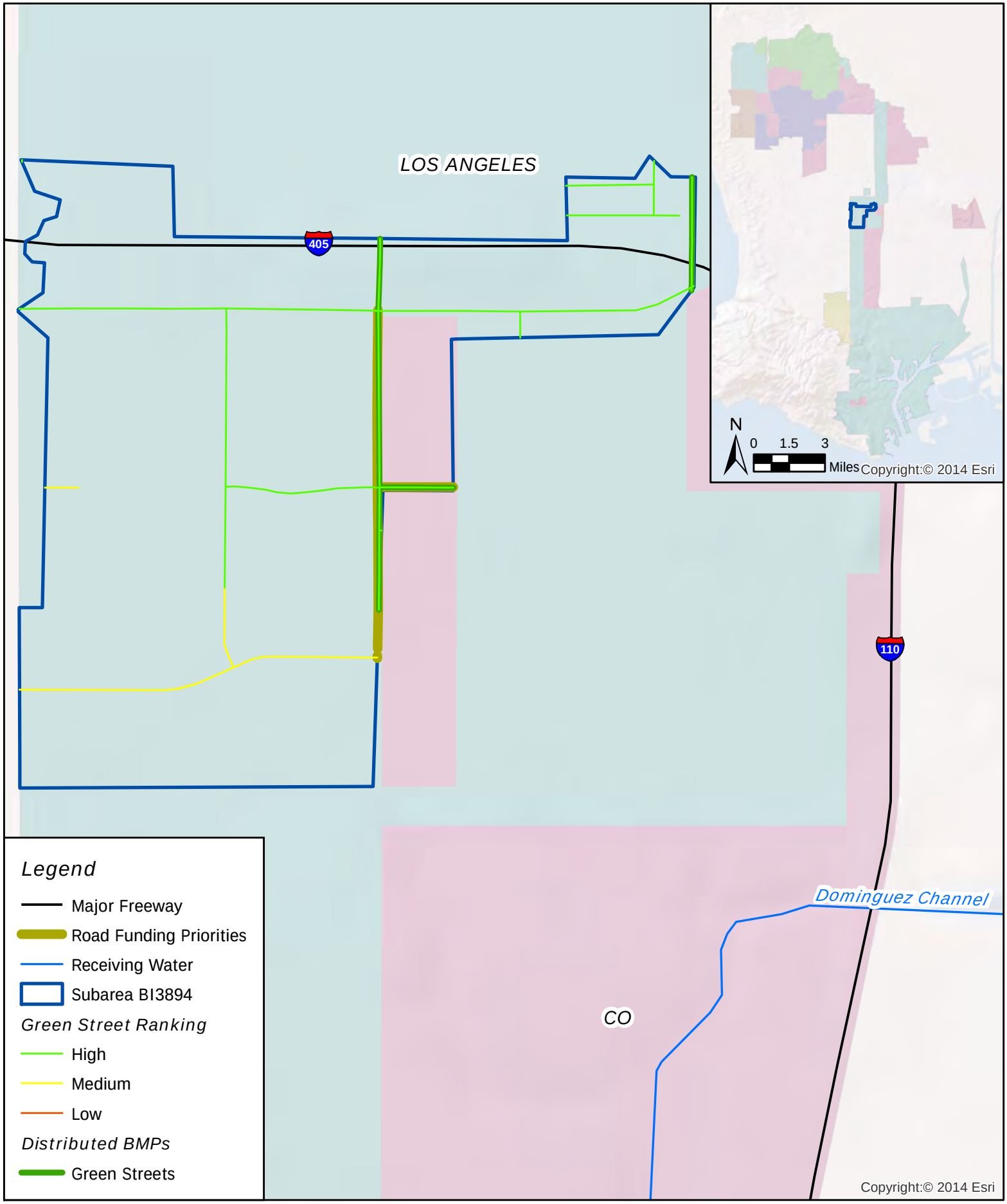


N

0 375 750 1,500 Feet

Subarea BI1275
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

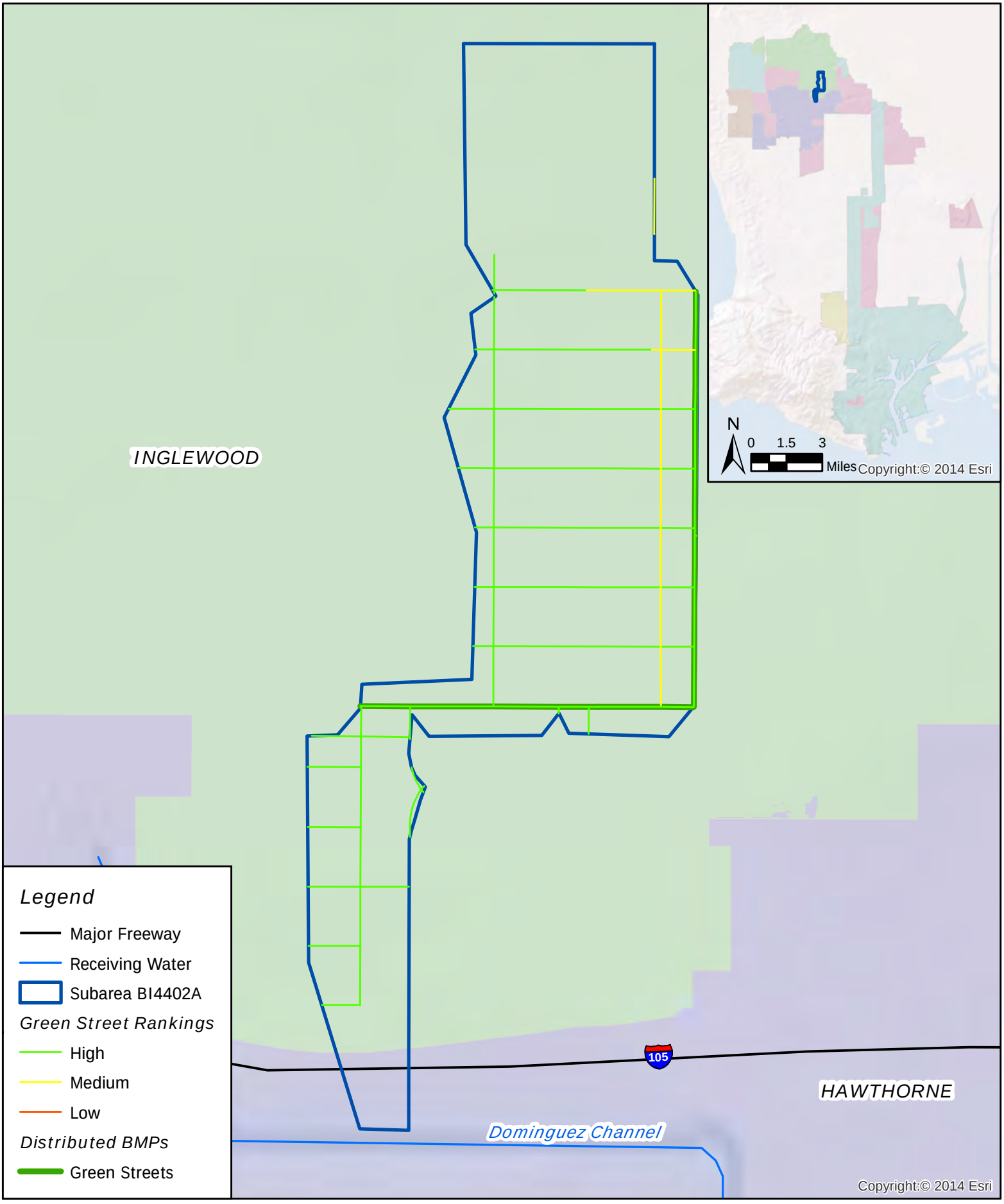


N

0 500 1,000 2,000 Feet

Subarea BI3894
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

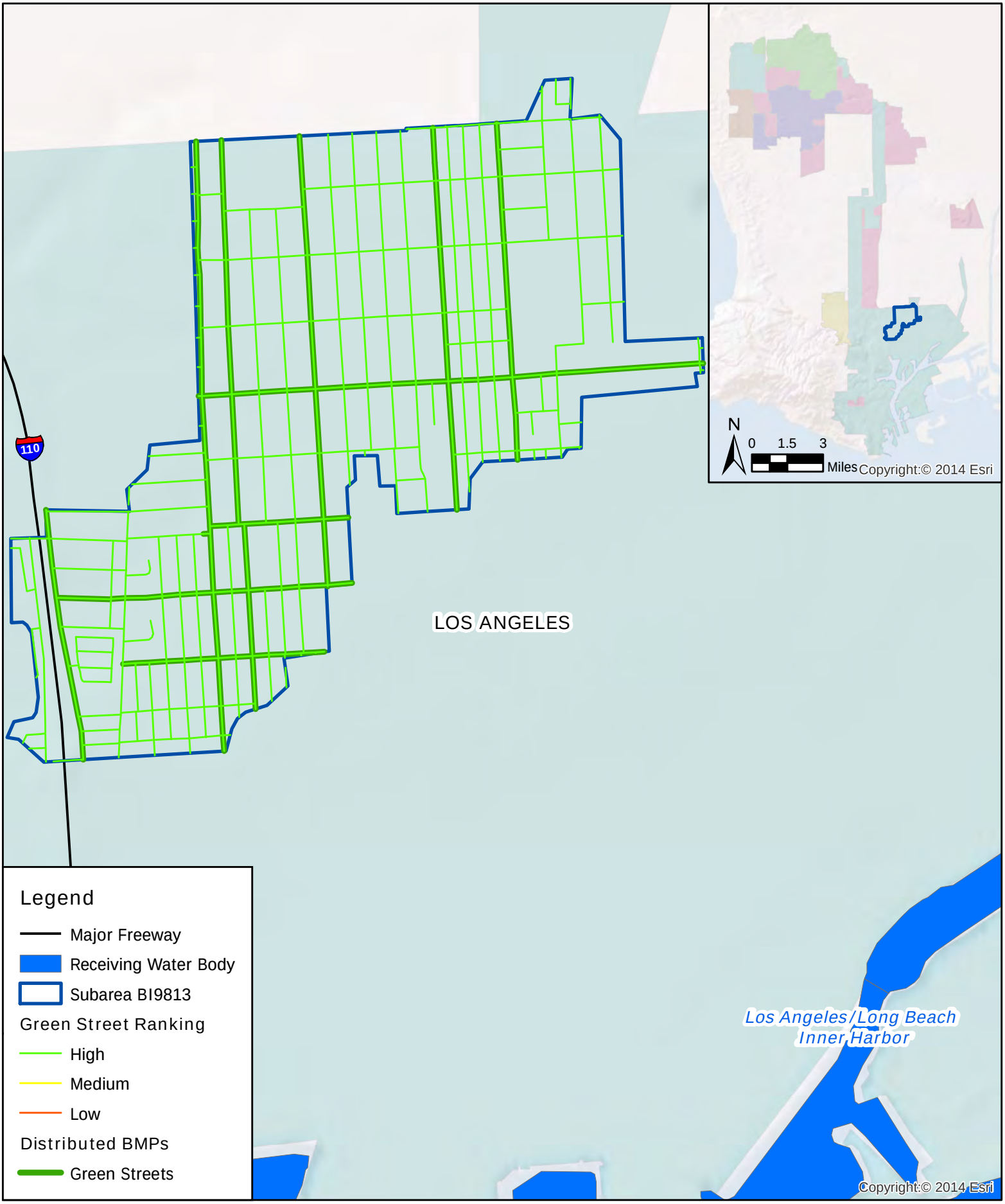


N

0 250 500 1,000
Feet

Subarea BI4402A
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

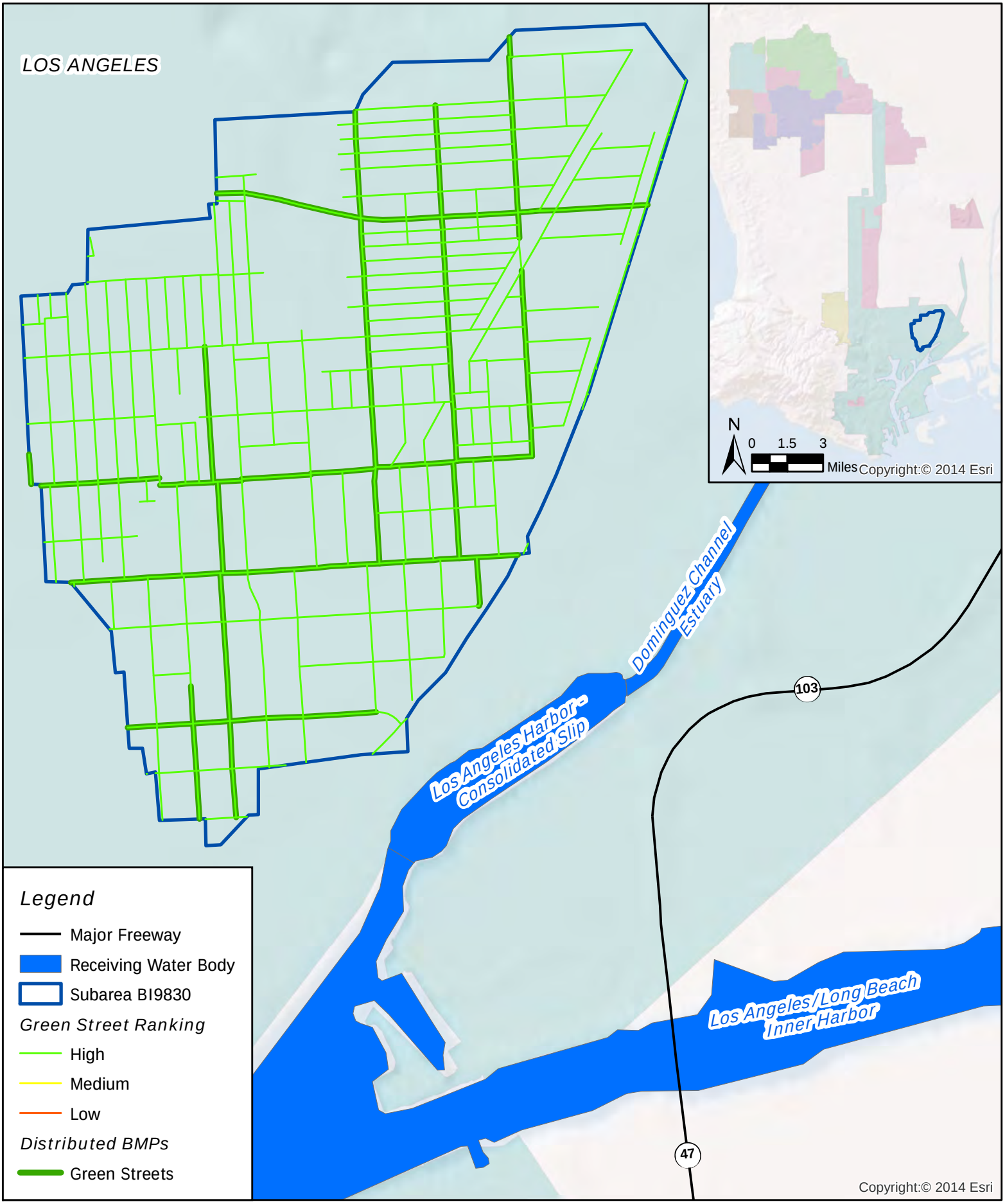


N

0 500 1,000 2,000
Feet

Subarea BI9813
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

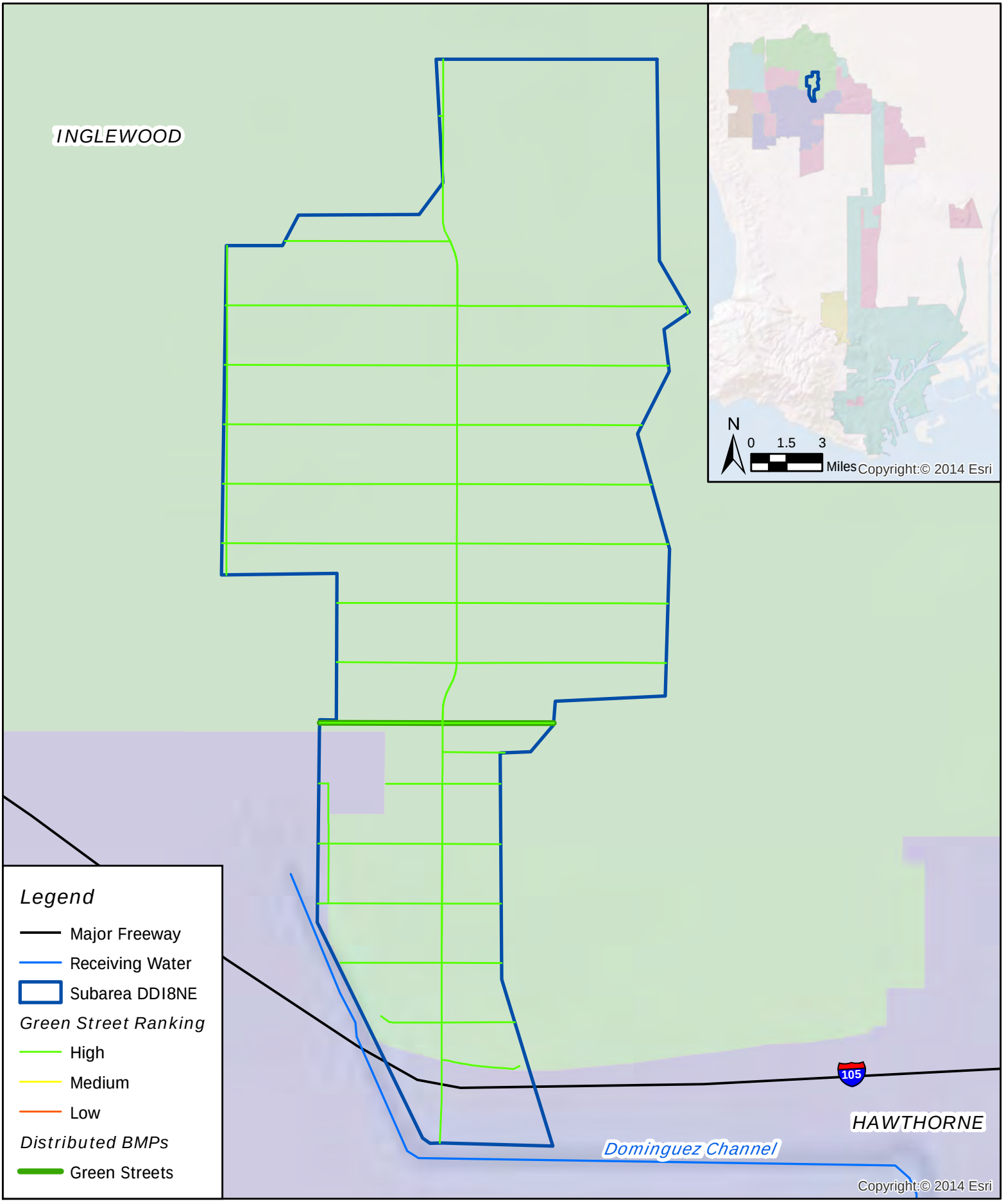


N

0 500 1,000 2,000 Feet

Subarea BI9830
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

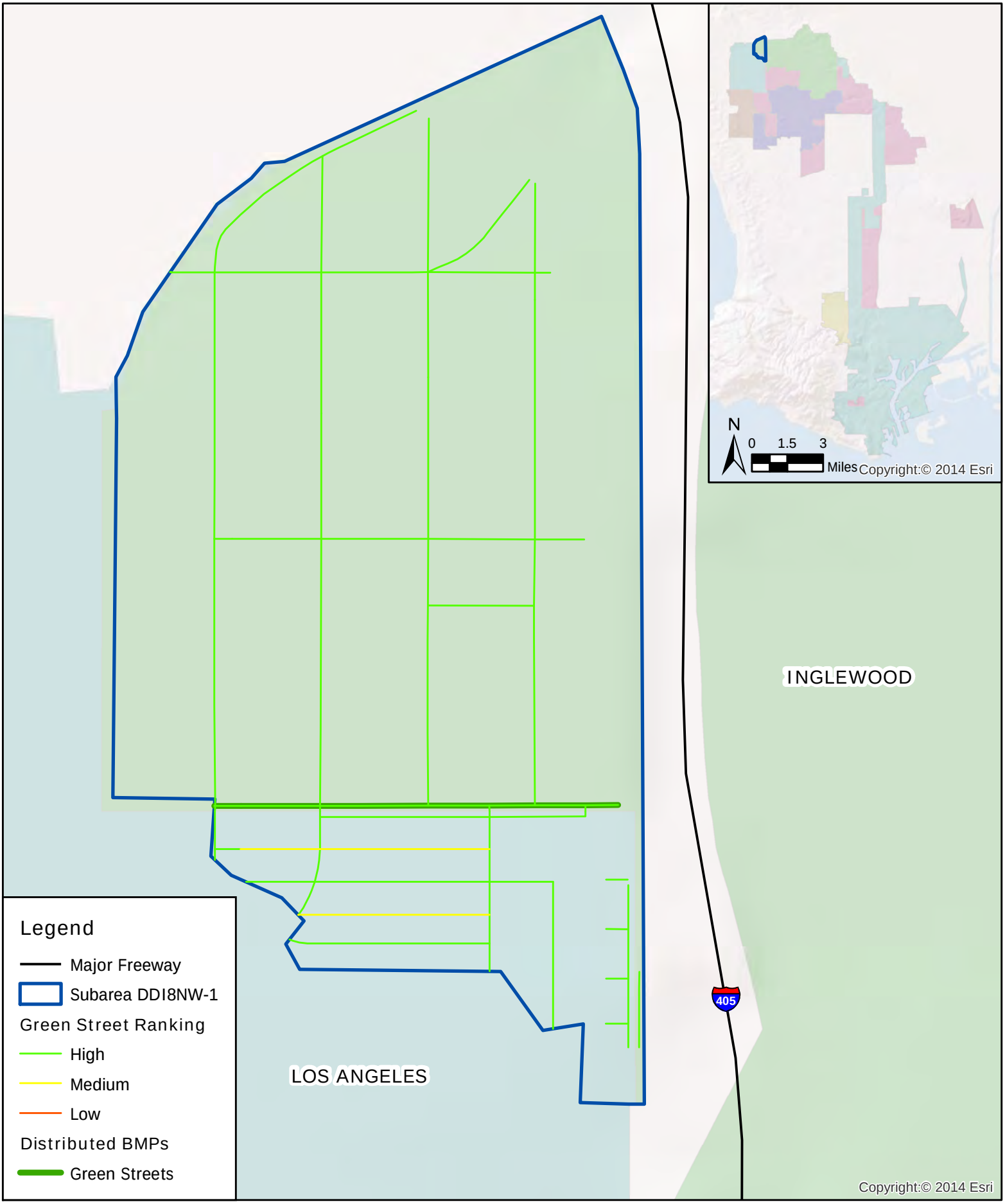


N

0 250 500 1,000
Feet

Subarea DD18NE
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

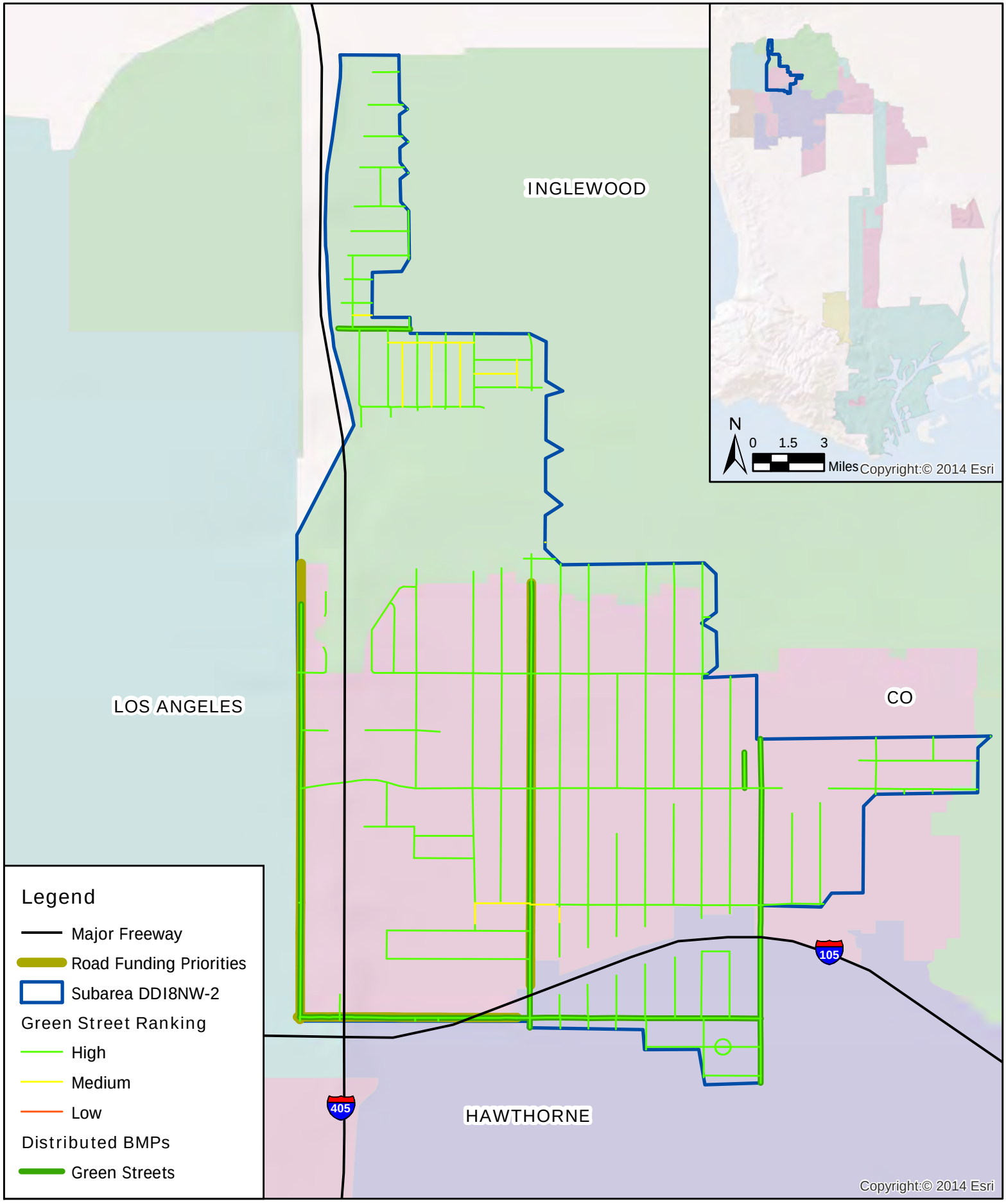


N

0 250 500 1,000
Feet

Subarea DDI8NW-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

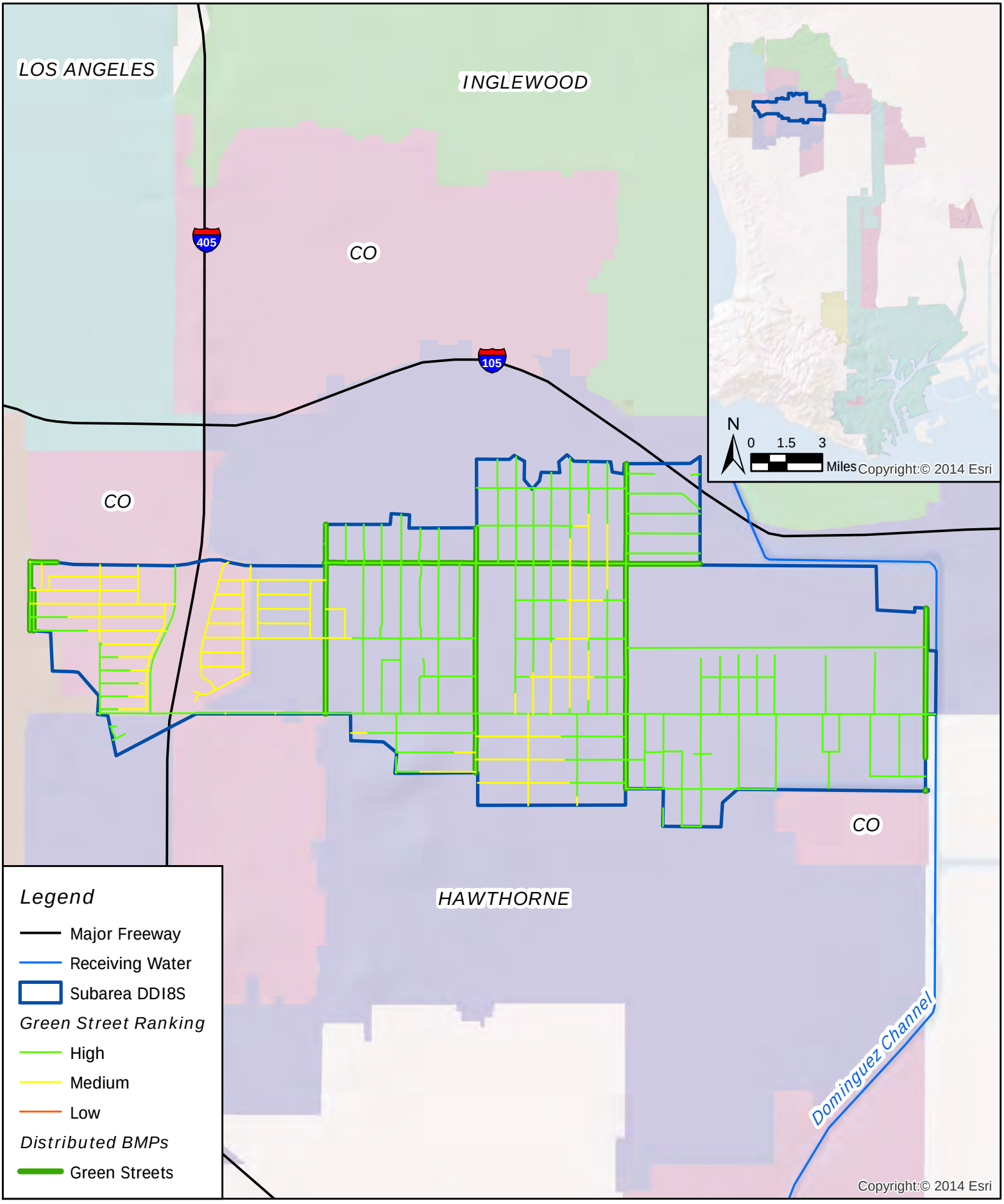


N

0 500 1,000 2,000 Feet

Subarea DDI8NW-2
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

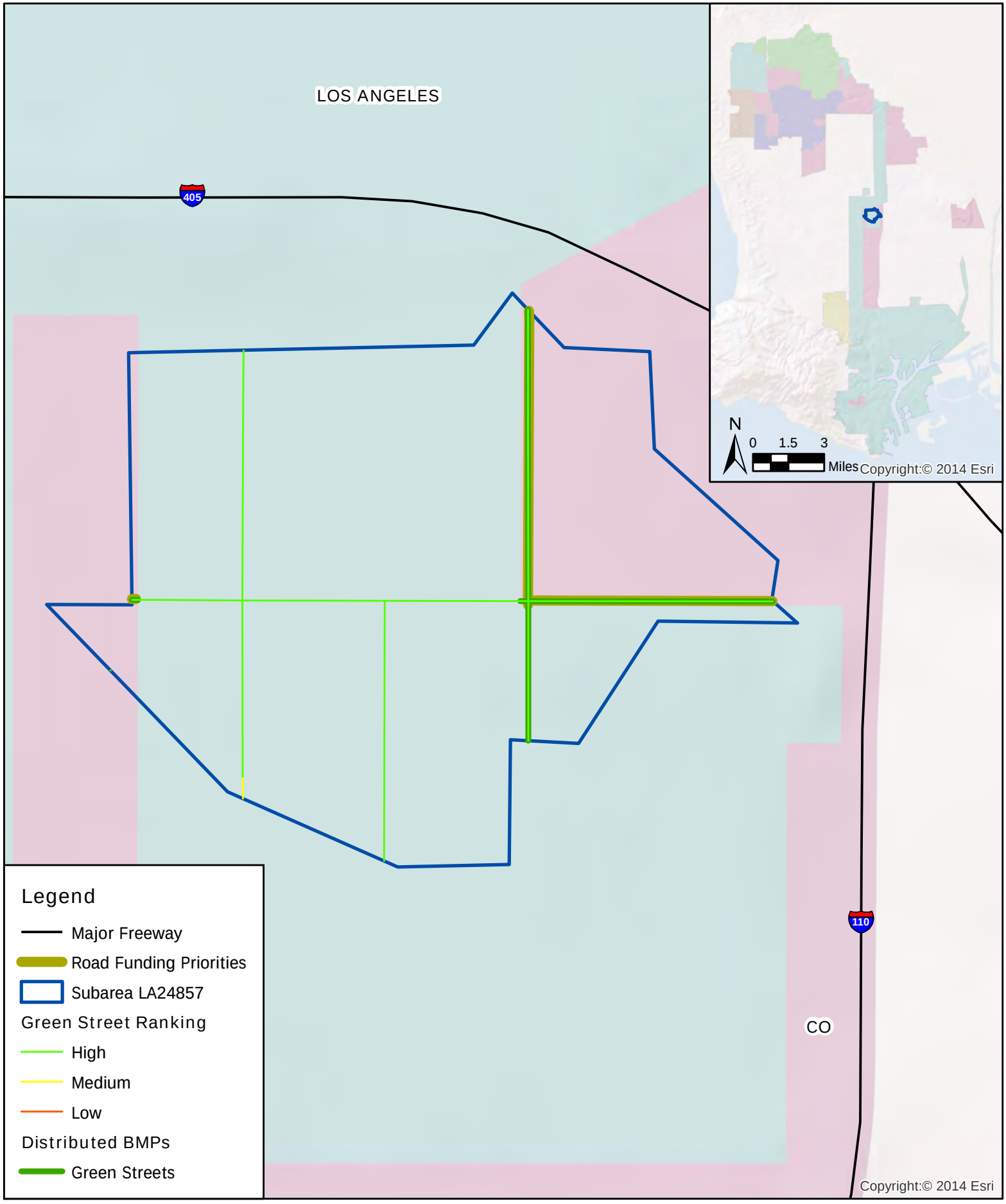


N

0 750 1,500 3,000 Feet

Subarea DDI8S
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

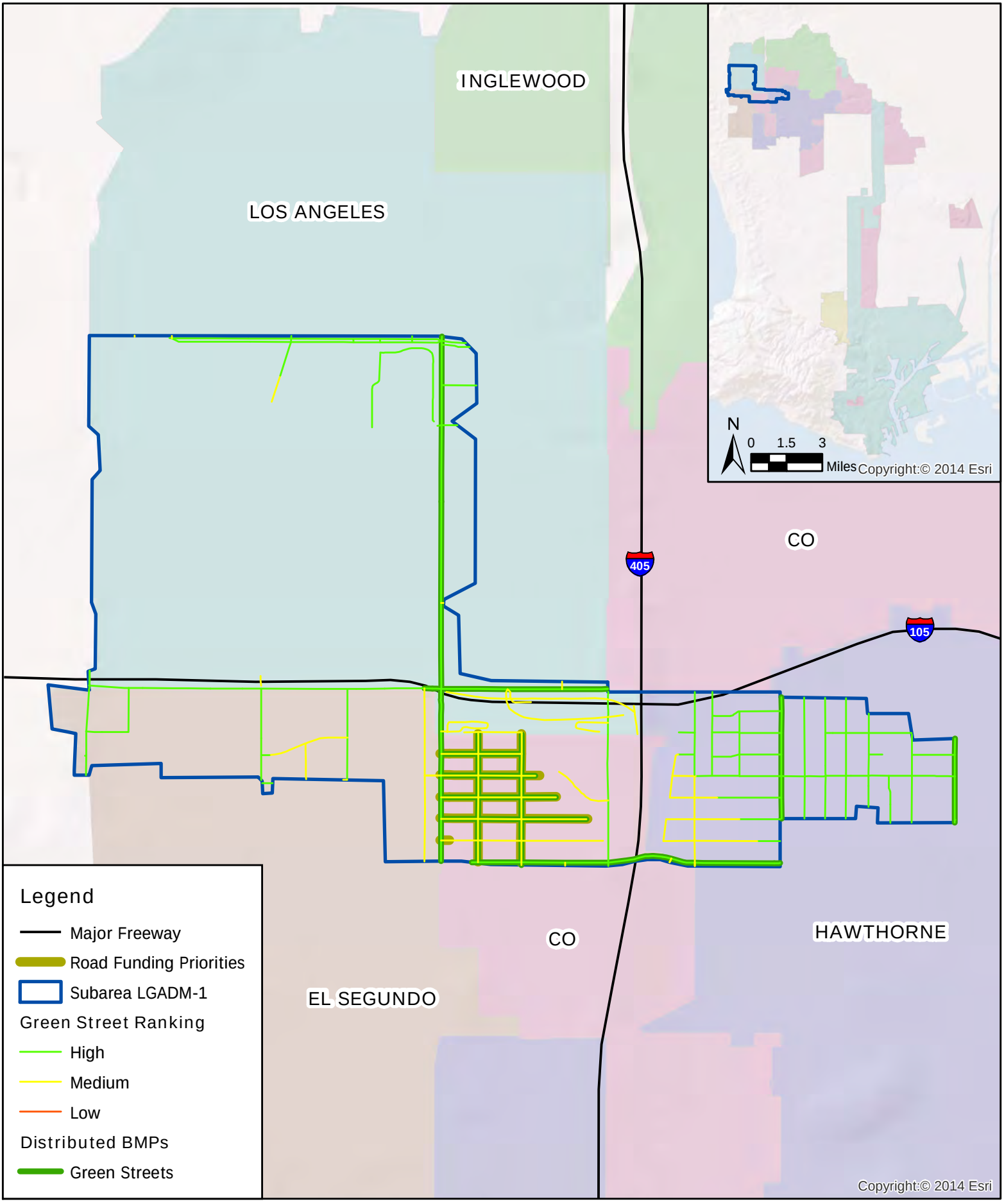


N

0 250 500 1,000
Feet

Subarea LA24857
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

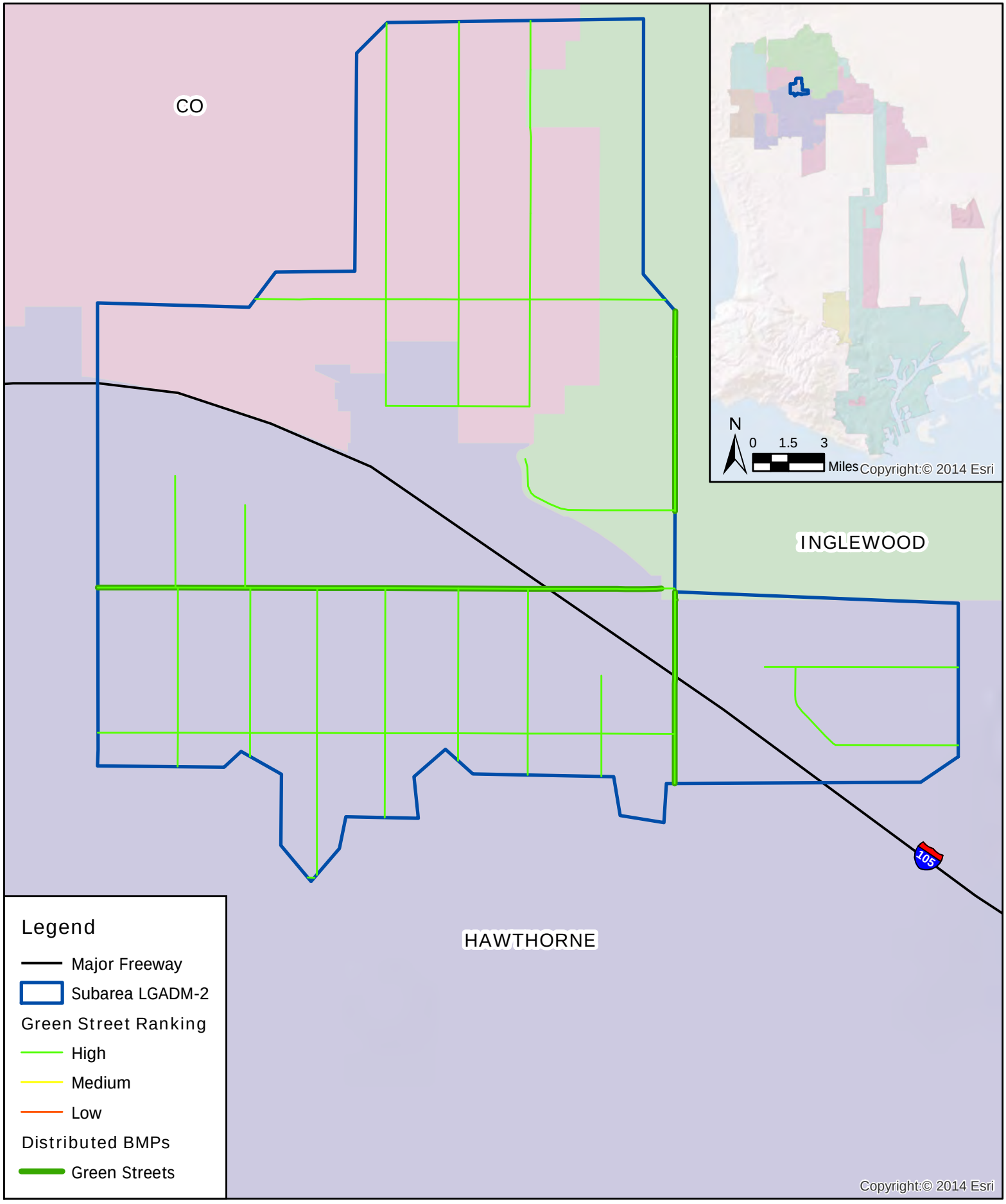


N

0 750 1,500 3,000
Feet

Subarea LGADM-1
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK



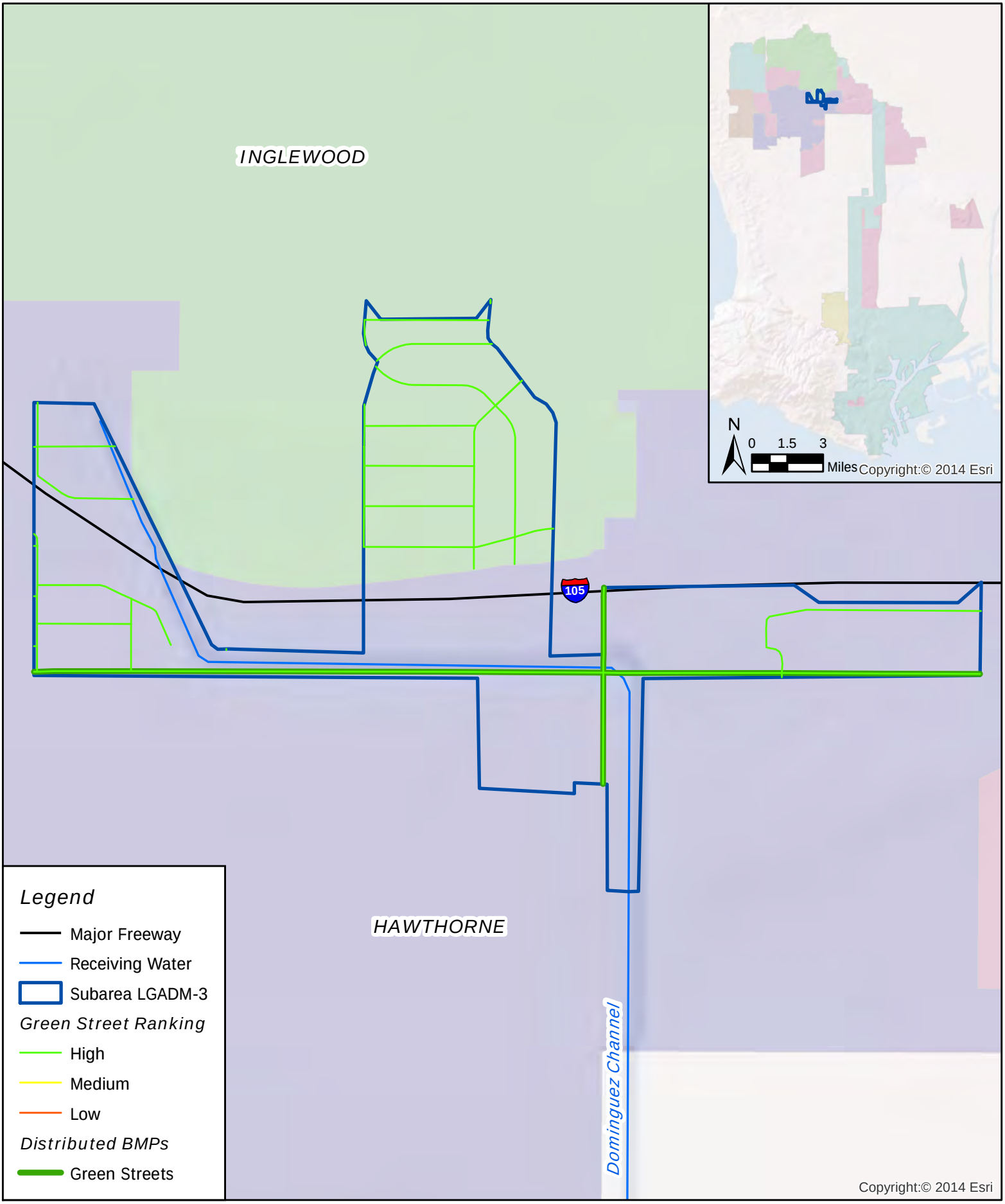
N

0 250 500 1,000

Feet

Subarea LGADM-2
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

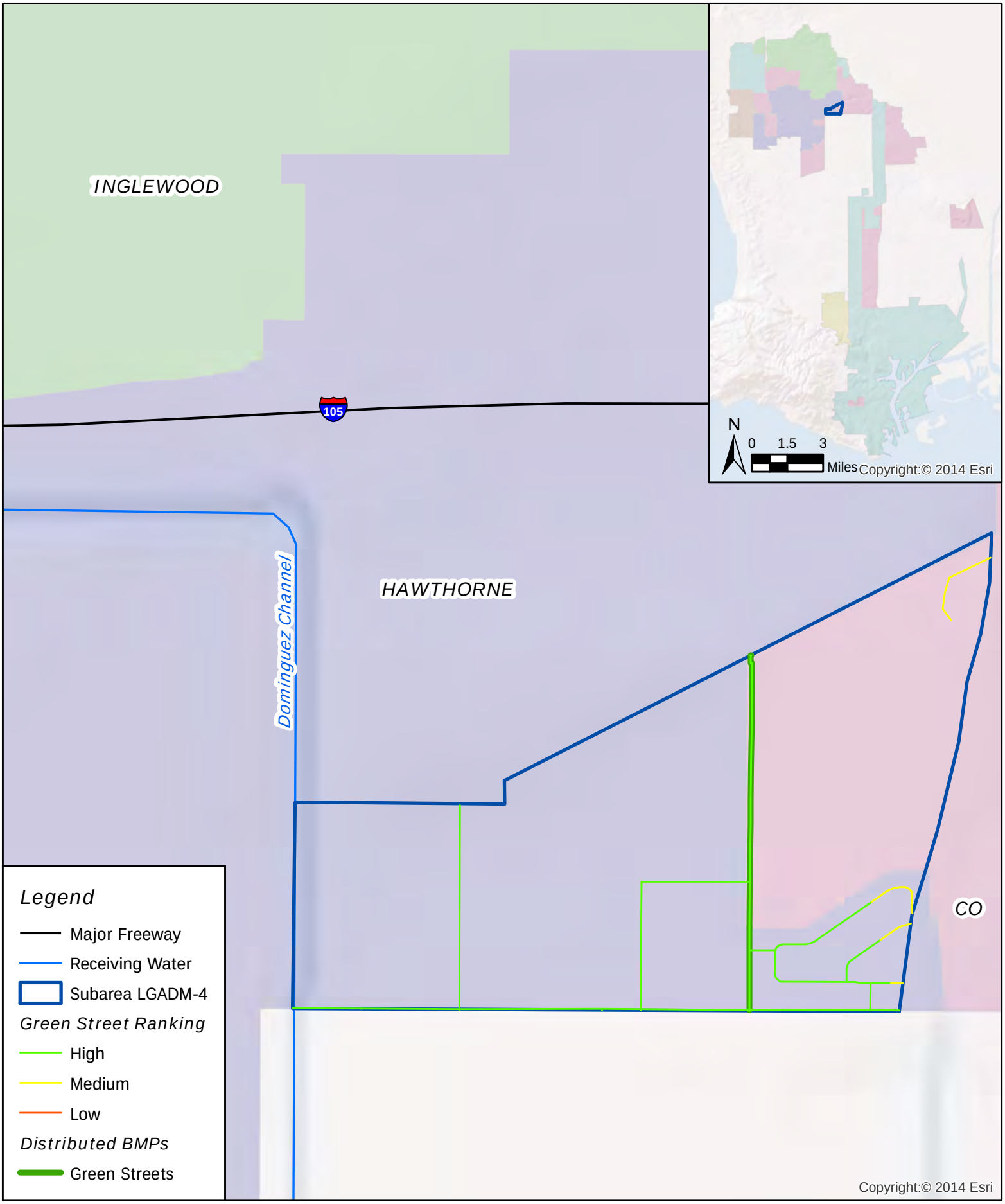


N

0 250 500 1,000
Feet

Subarea LGADM-3
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

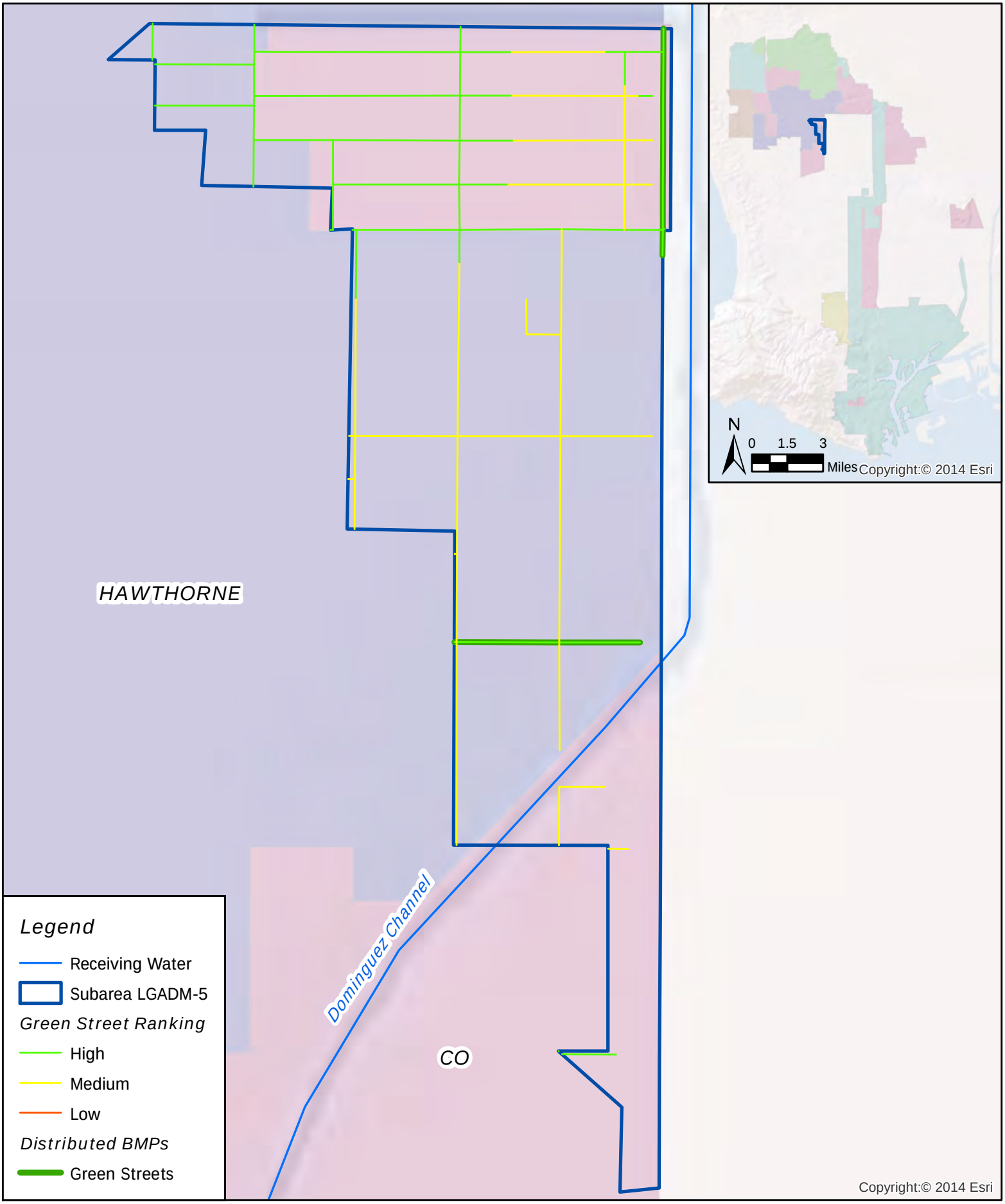


N

0 250 500 1,000
Feet

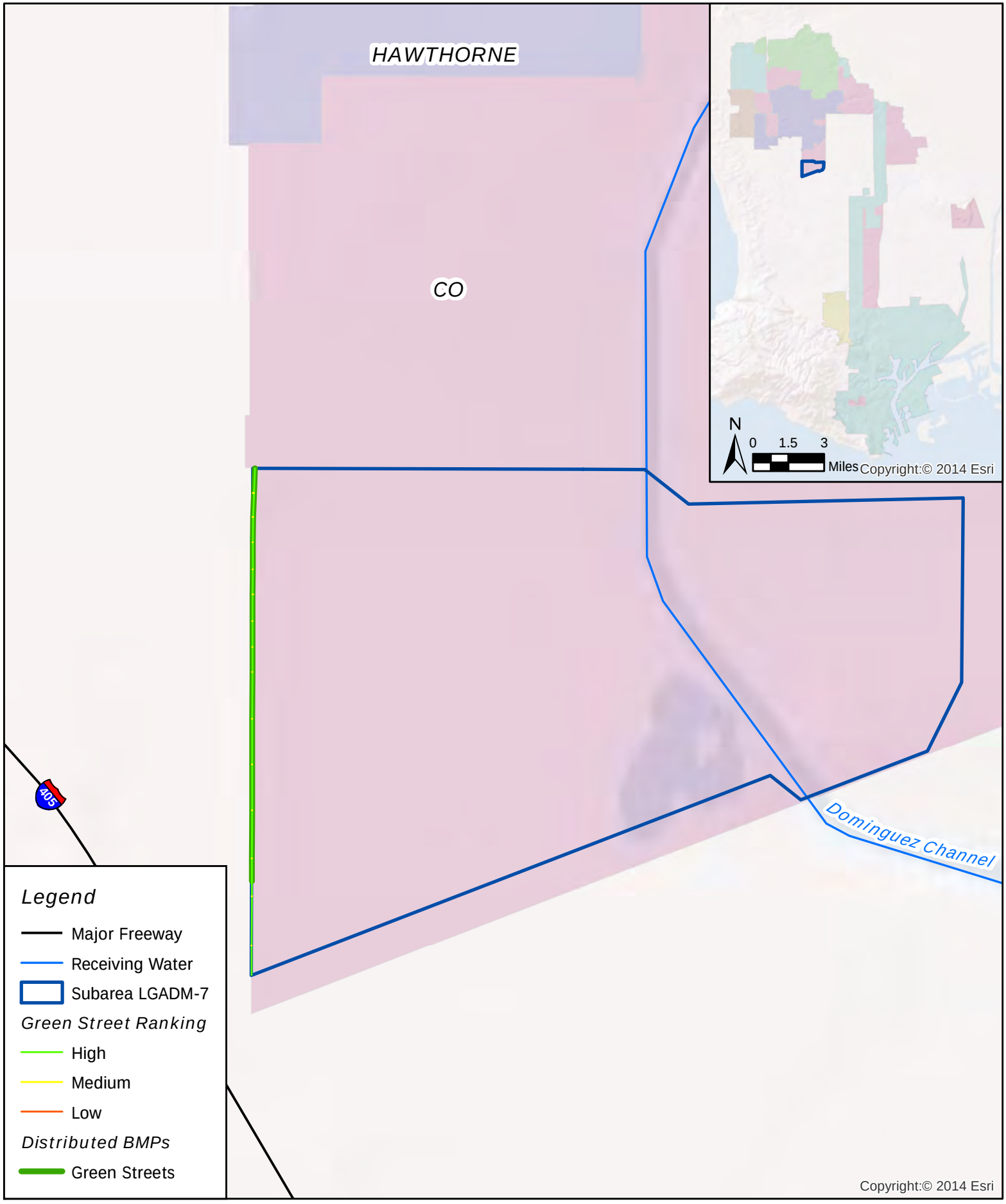
Subarea LGADM-4
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK



Subarea LGADM-5
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

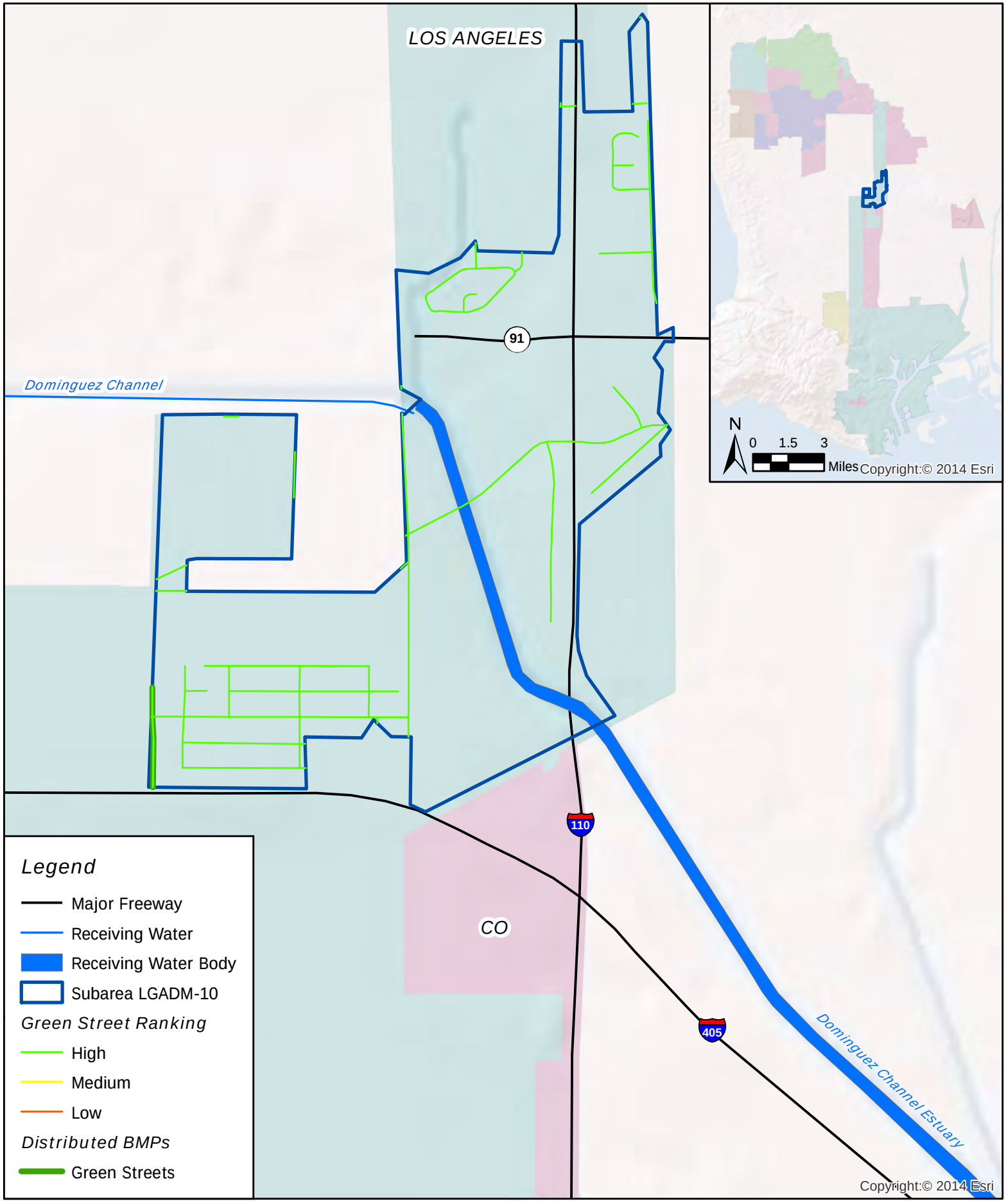


N

0 500 1,000 2,000 Feet

Subarea LGADM-7
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

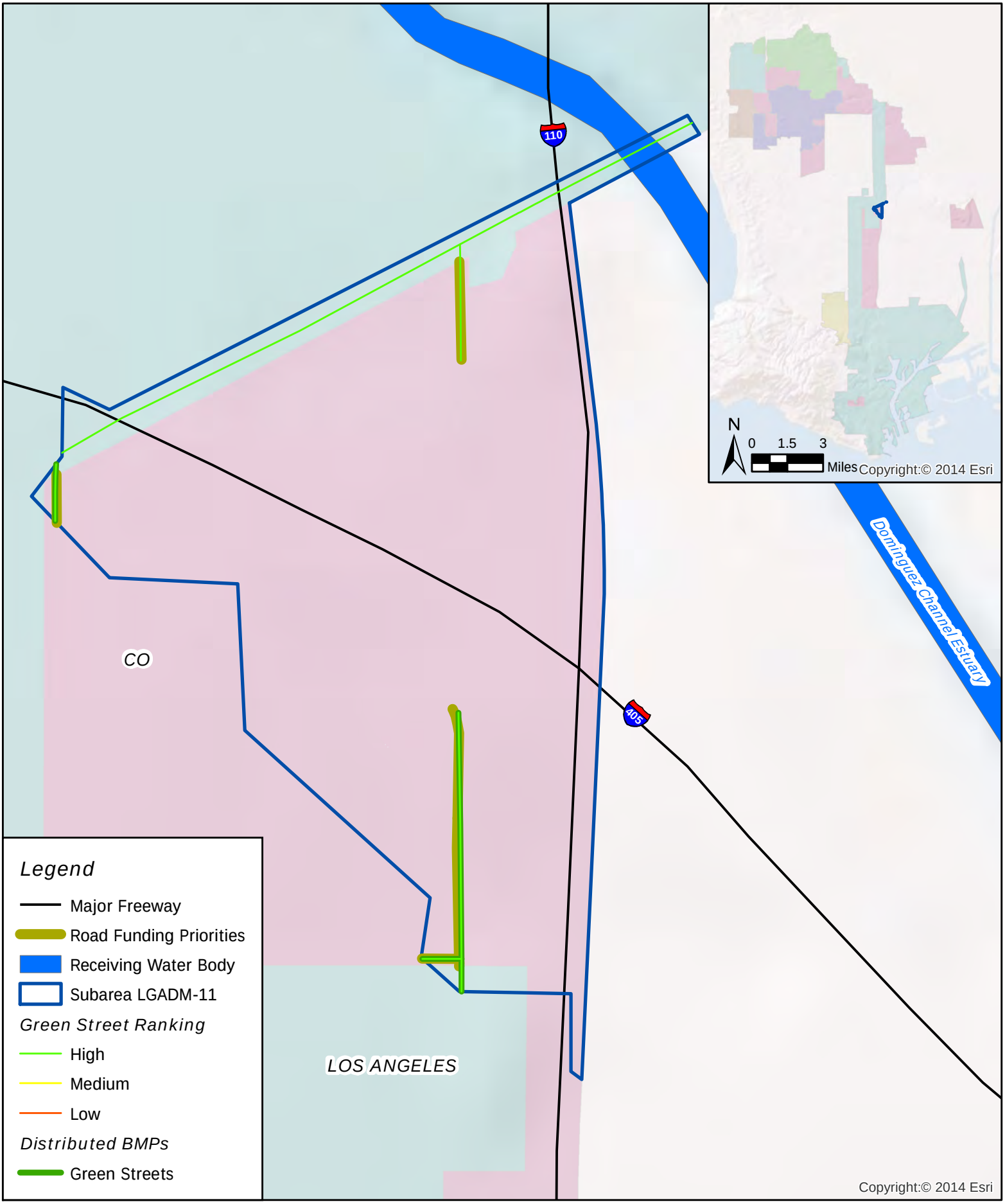


N

0 500 1,000 2,000 Feet

Subarea LGADM-10
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

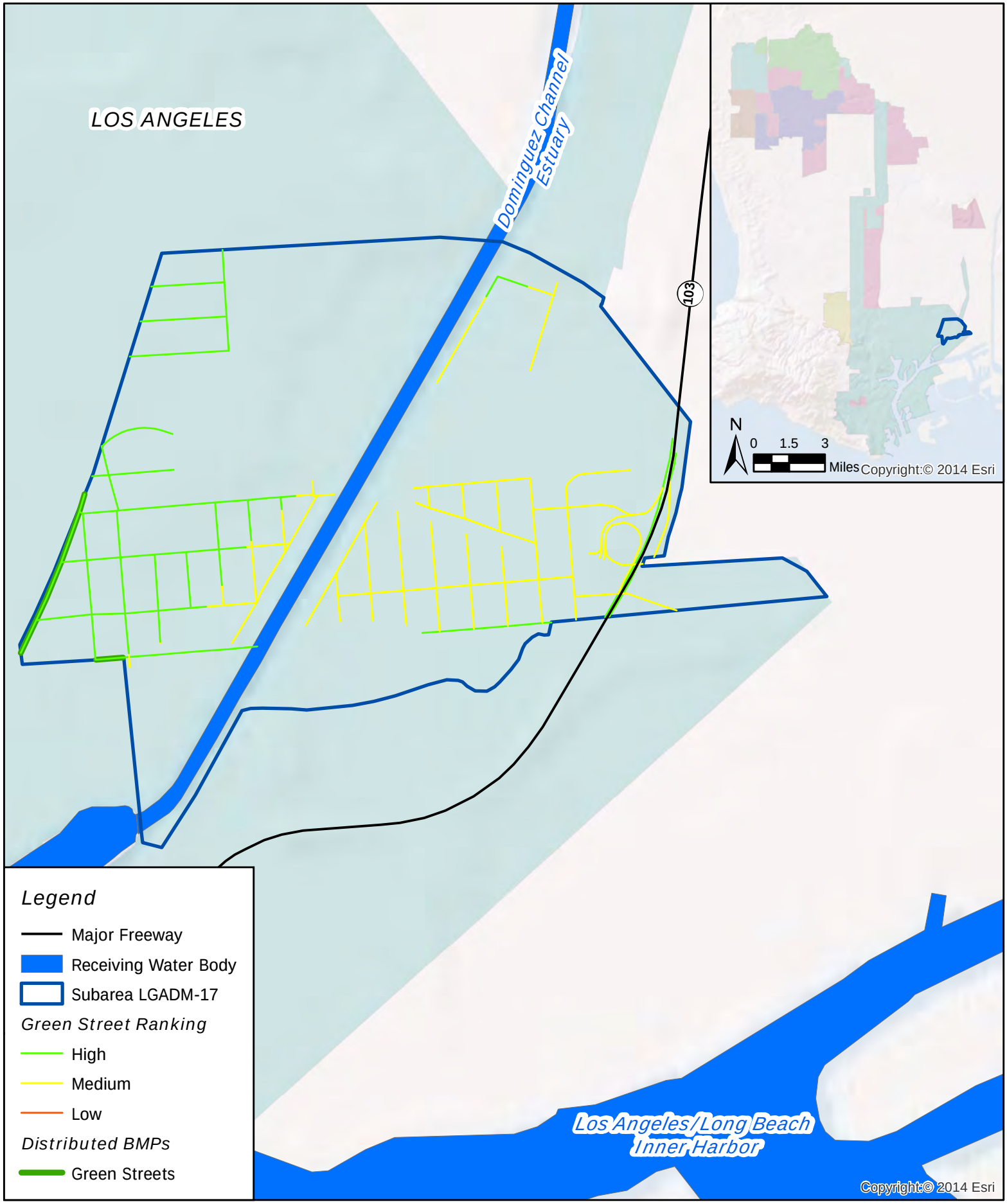


N

0 250 500 1,000 Feet

Subarea LGADM-11
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

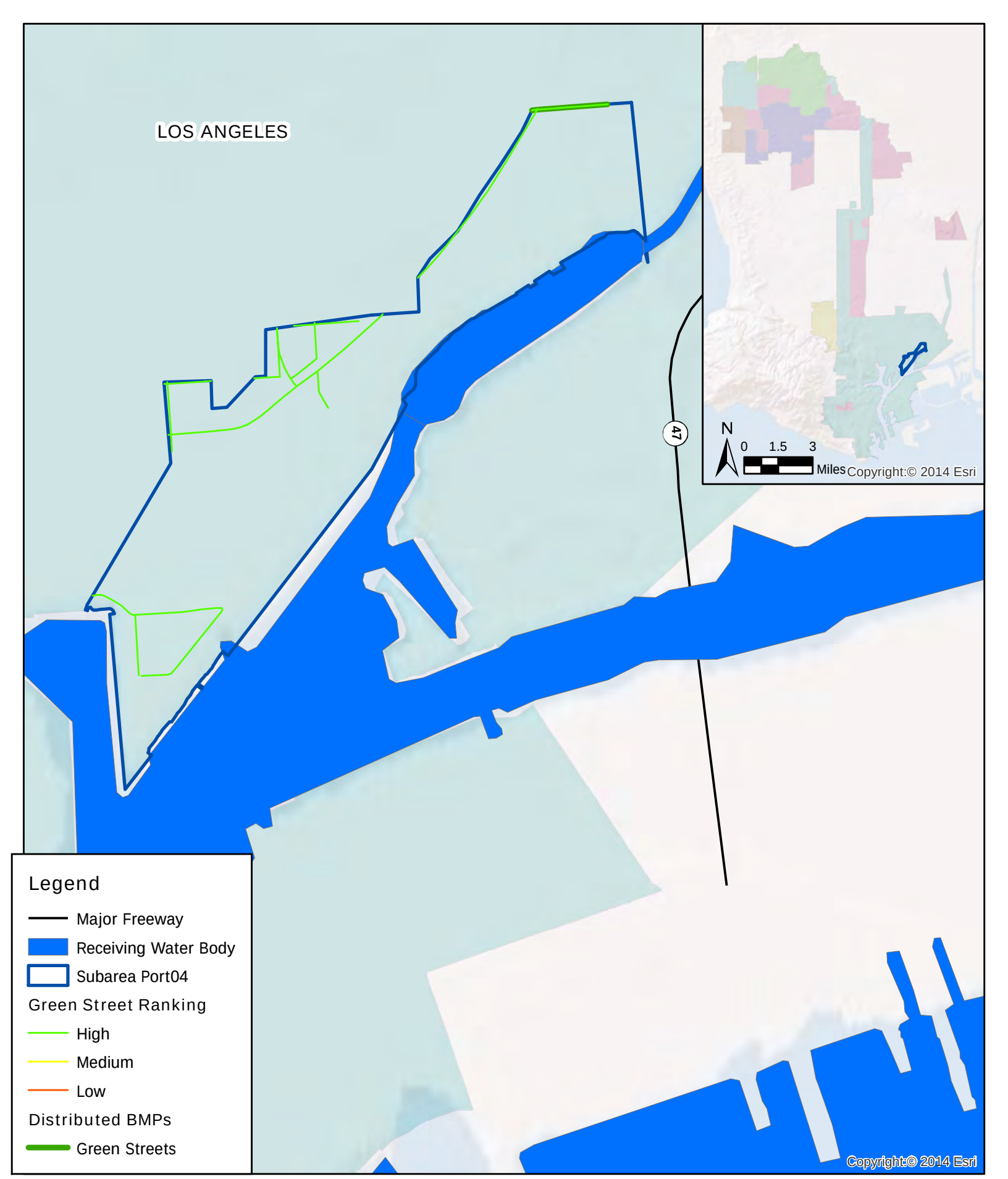


N

0 500 1,000 2,000 Feet

Subarea LGADM-17
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

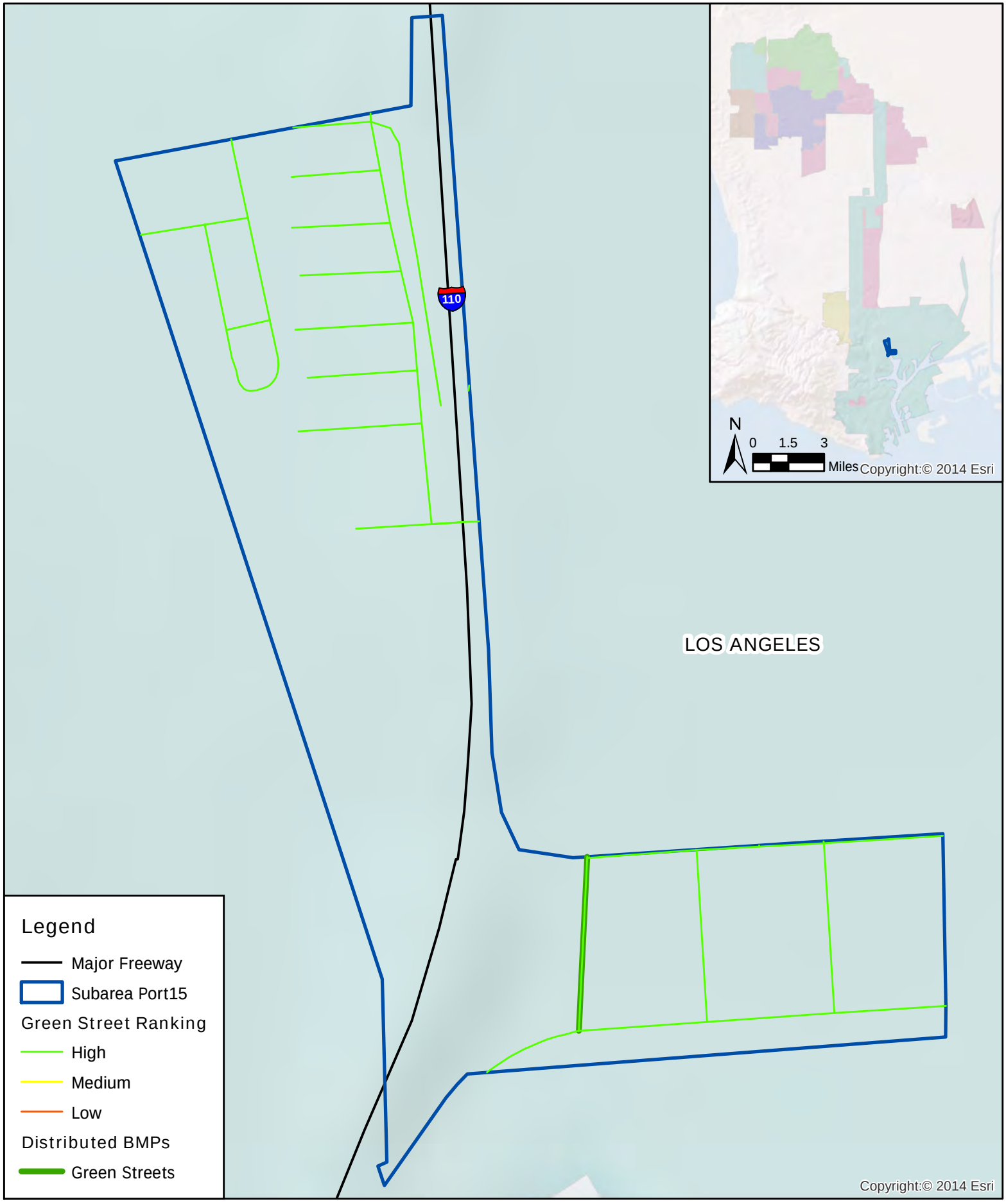


N

0 500 1,000 2,000 Feet

Subarea Port04
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

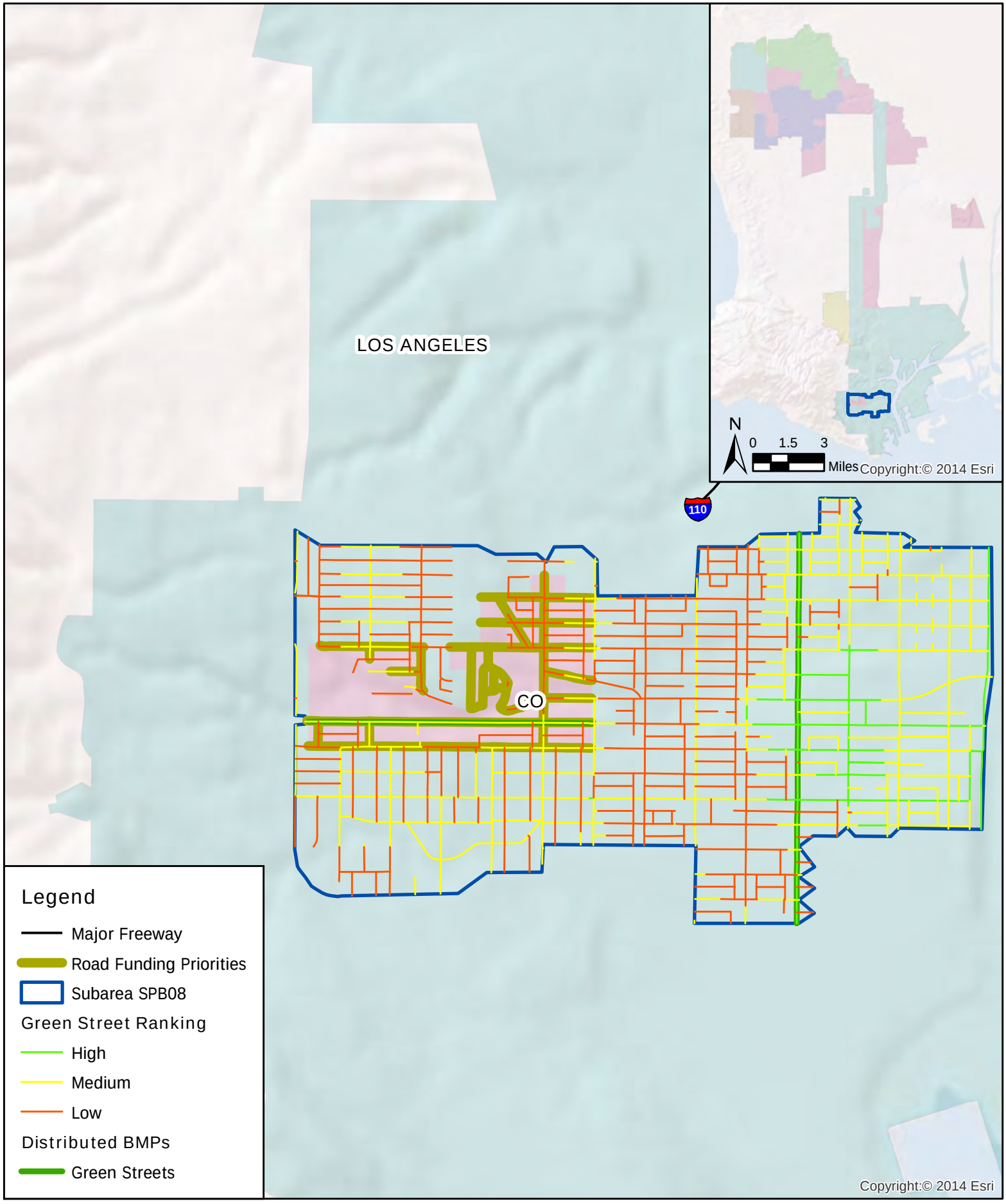


N

0 125 250 500
Feet

Subarea Port15
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

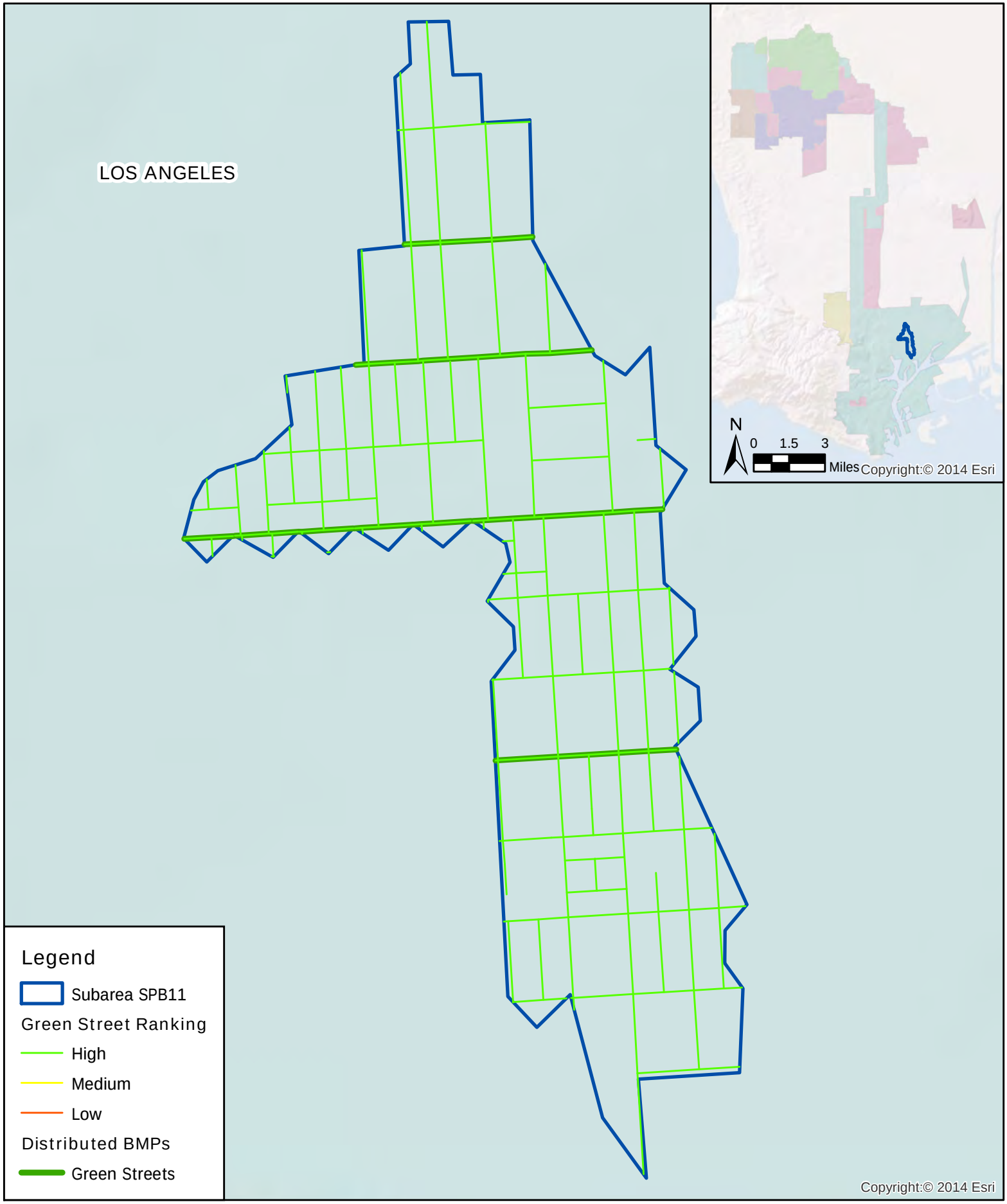


N

0 750 1,500 3,000 Feet

Subarea SPB08
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

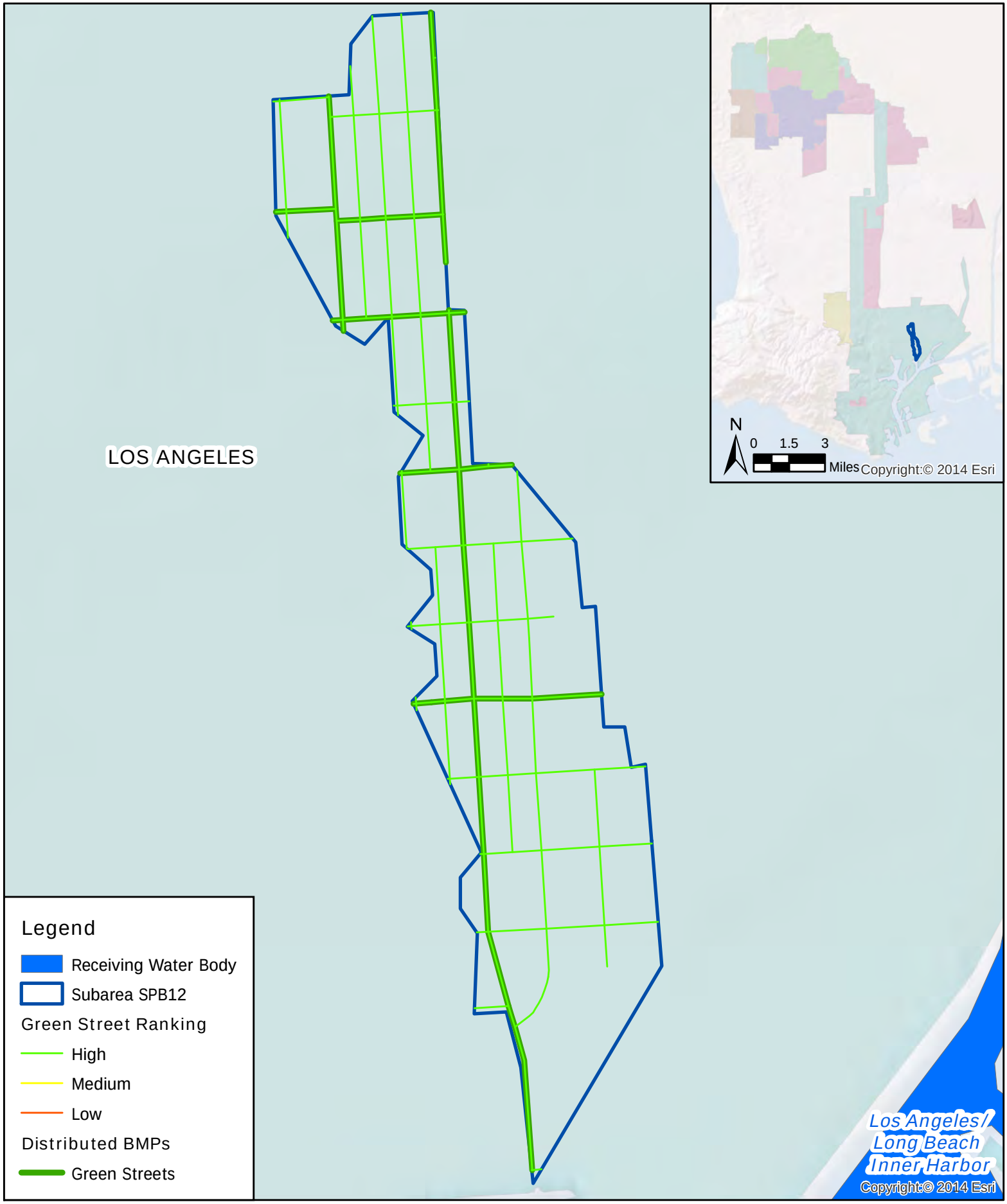


N

0 250 500 1,000
Feet

Subarea SPB11
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK



N

0 250 500 1,000
Feet

Subarea SPB12
Green Street Analysis
DC WMG EWMP

PAGE INTENTIONALLY LEFT BLANK

Attachment S

Water Rights and Regulatory Challenges Associated with Capturing and Injecting Stormwater in the Dominguez Channel Watershed

PAGE INTENTIONALLY LEFT BLANK

Rutan & Tucker, LLP
611 Anton Blvd., Suite 1400
PO Box 1950
Costa Mesa, CA 92628-1950
(714) 641-5100 Fax (714) 546-9035
www.rutan.com

ORANGE COUNTY

PALO ALTO
(650) 320-1500

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

MEMORANDUM

TO: Richard Haimann, HDR Water Resources Section Manager

FROM: Jeremy N. Jungreis, Senior Counsel, Rutan & Tucker

DATE: February 24, 2015

RE: Water Rights and Regulatory Challenges Associated with Capturing and Injecting Stormwater in the Dominguez Channel Watershed

---

You have asked Rutan and Tucker ("Rutan") to evaluate whether Cities and other public entities that participate in the Dominguez Channel Enhanced Watershed Management Planning Group ("DC Management Group" or "Group") have the legal ability, individually or collectively, to obtain additional water rights as result of captured stormwater projects associated with implementation of the Enhanced Watershed Management Plan ("EWMP") in the Dominguez Channel Watershed. If so, you have queried whether the DC Management Group can anticipate obtaining the necessary regulatory approvals to inject captured stormwater in the Dominguez Channel Watershed. Finally, you have inquired on the likely legal costs associated with both the water rights and regulatory approval processes. This Memorandum responds to all of the issues you asked Rutan to address.

I. Brief Background of the Water Rights and Allowable Pumping Allocations of the Groundwater Aquifers to Which Collected Storm Water Could be Injected.

California has a highly complex system for allocating water that combines elements of water rights systems found in the Eastern United States — rights that primarily are attached to land ownership (riparian and overlying water rights), with Western allocation regimes (appropriative rights) that are based on the date when water was first put to beneficial use by a user. In addition, California recognizes a unique water right, the Pueblo Water Right, which is derived from the water rights of historic Mexican Pueblos when California obtained statehood. The only two cities to obtain judicial recognition of a Pueblo Right are the cities of Los Angeles and San Diego. Since the City of Los Angeles is a member of the DC Management Group, Pueblo Rights are a potential consideration. However, as explained further below, given Los Angeles' participation and judicial stipulation to a specific allocation of water rights in the West Coast and Central Groundwater Basin Adjudications, the Pueblo Rights issue is not directly raised in the Dominguez Channel Watershed, and as such, is discussed only briefly in this memorandum. Suffice it to say, Pueblo Rights, which are the most "senior" of all water rights in California, would be potentially powerful leverage for obtaining additional allocations if the normal process specified in the pertinent judgments does not yield additional rights for Los Angeles, individually, or as a member of the Group.

California allows the combination of various water rights in the groundwater adjudication context if parties stipulate to the same priority of water right as a part of the implementation of a physical solution for the entire basin. In a groundwater adjudication, all parties claiming a water right in a particular groundwater basin are typically joined as parties before one court. The court then determines the relative priorities and rights to take a particular volume of water from the groundwater basin. Where all of the parties stipulate to a physical solution, the court can choose to accept the stipulation and adjudicate the stipulated rights of all of the parties before the court. That is what happened in the two groundwater basins of relevance here, the West Coast[1] and Central[2] Groundwater Basin Adjudications. In both adjudications, all of the pumpers stipulated not to exceed a set annual pumping allocation ("APA") except in accordance with the respective judgment, thereby consenting to a water right of equal priority with those of other water users. Most potential injection sites within the EWMP planning area would appear to lie within the West Coast Groundwater Basin, with some sites potentially in the Central Groundwater Basin, with final determination of the appropriate basin for injection contingent upon the boundaries of the Dominguez Channel Watershed as well as the jurisdictional boundaries of project participants. Accordingly, the water rights discussion herein will primarily be focused on the requirements for developing "new water" under the West Coast Judgment — with differences in the similar Central Basin Judgment identified where appropriate.

To obtain an increased APA associated with injected stormwater in an adjudicated groundwater basin, a project proponent must first answer the following questions:

Question 1: Is captured stormwater injected truly ***new water***?

Question 2: Is safe yield of the Basin increased as a result of the injection of the new water?

Question 3: Does the pertinent stipulated judgment allow for project participants to get "credit" in the form of an increased APA?

As explained in more detail below, if designed properly utilizing the steps identified in the West Coast (and/or Central) Basin Judgment, injected stormwater captured in the EWMP

---

[1] The West Coast Basin was adjudicated in 1961 and amended in December 2014 in the case of *California Water Service Company et al. v. City of Compton, et al.*, Los Angeles Superior Court No. 506806. ("West Coast Basin Judgment" or "Judgment" as used herein).

[2] The Central Basin was adjudicated in 1965 in the Case of *Central and West Basin Water Replenishment District v. Adams et al.*, Los Angeles Superior Court Case No. 786656 ("Central Basin Judgment"). The Central Basin Judgment was amended to address storage and augmentation issues in December 2013.

service area could be considered "new water" because it would otherwise flow to the ocean or percolate to a non-usable shallow aquifer in the absence of projects associated with the EWMP. Assuming the DC Management Group member cities are able to demonstrate the injection project(s) result in increased yields in one or both groundwater basins of interest, it is probable that project participants can obtain a water right to pump additional groundwater in excess of existing APAs.

II. The Steps Necessary to Acquire Additional Pumping Allocations Based on the Water Added to the Groundwater Aquifer(s).

The West Coast Basin Judgment

Due to growth in the Los Angeles area in the early 1900s and advancement of technology that made groundwater extraction quicker and more efficient, groundwater extracted from the West Coast and Central Basins began to exceed the natural replenishment of the Basins. Low levels in the Basins led to a deterioration in water quality, due to sea water intrusion and the effects of urbanization. In 1945, a lawsuit was filed by multiple water providers to quiet title to the groundwater rights of each pumper in the West Coast Basin, and to establish control over groundwater extractions from the Basin. After many years, the Court signed a final judgment in 1961. The original judgment has since been amended five times, with the most recent amendment approved by the Court in December 2014 after years of negotiations. The sections below provide information on the basic structure established by the West Coast Basin Judgment and a detailed account of the terms of the Judgment most relevant to injection projects associated with the nine potential replenishment sites identified by HDR and the Group.

The Watermaster

The Watermaster for the West Basin consists of three distinct bodies — the Administrative Body, the Water Rights Panel and the Storage Panel — each with different powers, duties and responsibilities.[3] The Administrative Body of the Watermaster is the Water Replenishment District of Southern California ("WRD"), a Special Act District charged by statute with responsibility for managing and replenishing the West Coast and Central Basins. The Water Rights Panel in the West Coast Basin is a group of five representatives, with three of those representatives being the President, Vice President and Treasurer of the West Basin Water Association,[4] and the other two representatives being selected by the Board of Directors of the

[3] *See* Section XI of the Judgment for the specific powers, duties and responsibilities assigned to each body.

[4] The West Basin Water Association is an association of the major pumpers with water rights in the West Coast Basin, and is the successor to the group that first initiated the West Coast Basin litigation back in 1945. (*See* http://www.westbasinwaterassociation.com/ for history and

West Basin Water Association. The Storage Panel is made up of two separate bodies, the Water Rights Panel and the WRD Board of Directors.

The Water Replenishment District

In addition to acting as the Administrative Body of the Watermaster, WRD is charged with replenishing groundwater in the West Basin in accordance with the Water Replenishment District Act (Cal. Water Code § 60000 *et seq.*). Water replenished by WRD is available for extraction by parties to the Judgment based on their allocated production rights. To facilitate WRD's Basin operations, the Judgment allocates WRD 49,100 acre-feet ("af" or "afy") of storage space to WRD as a Basin Operating Reserve that WRD may use in accordance with the WRD Act.[5]

The Court

The Court is the ultimate overseer of the activities in the West Basin under the West Coast Basin Judgment. It has express continuing jurisdiction over such matters.[6] In addition to hearing complaints filed by parties to the Judgment and appeals of decisions made by the various administrative bodies designated in the Judgment, the Court is authorized to review a variety of matters on its own motion.[7] The Court may, upon its own motion or application by one of the parties to the Judgment, modify or add to the Judgment's provisions, or make any further orders as may be necessary or desirable for the enforcement, protection or preservation of the Basin and the rights of the parties established by the Judgment.

Adjudicated Water Rights and Carryover

The Judgment establishes the amount of groundwater that each party to the Judgment is entitled to extract from the West Coast Basin on an annual basis, referred to as "*Adjudicated Rights*." Pro-rata reductions in the amount of water each party is authorized to extract may be made if required to preserve the West Basin as a common water supply source.[8] Generally, persons or entities that are not party to the Judgment may not extract groundwater from the West Basin. Adjudicated Rights may be transferred, assigned, licensed or leased, upon notice and

---

current membership of the Association.) Currently, the President, Vice President and Treasurer of the West Basin Water Association are, respectively, Stephanie Katsouleas (El Segundo), Rob Beste (Torrance), and Tony Olmos (Manhattan Beach). All of the city members of the DC Management Group are also members of the West Basin Water Association.

5 Judgment, § V(1)-(2).

6 Judgment, § XII.

7 *Id*.

8 Judgment, § III(A).

completion of the Watermaster process set forth in the Judgment.[9] As for use of water extracted through Adjudicated Rights, the water must be put to beneficial use by the holders of such rights (or their transferees) through reasonable methods of use and delivery.[10]

The following table sets forth the Adjudicated Rights, as of June 2014, for the cities relevant to the EWMP being developed:[11]

City of Los Angeles	1,503 afy
El Segundo	953 afy
Hawthorne	1,882 afy
Inglewood	4,449.89 afy
Lomita	1,352 afy

If a party does not extract the full amount of water to which it is entitled under its Adjudicated Right in a given year, the party may "carry over" that water for extraction in the following year.[12] The carryover amount is reduced by the amount of water that party has in storage, however, carry-over may not be reduced below twenty percent (20%) of a party's Adjudicated Right.[13] Instead of adding carryover to the allowable extraction for the following year, a party may convert carryover into Stored Water.[14] To do so, a replenishment assessment must be paid to WRD on the amount converted.[15]

---

9 Judgment, § IV.

10 Judgment, § III(A).

11 A list of all Adjudicated Rights in the West Coast Basin is attached to this Memorandum as Exhibit A. Note that the other member of the DC Management Group, Los Angeles County, also has a pumping allocation in the West Coast Basin. For example, LA County has an APA of 363.70 AFY for recreational facilities, and the LA County Sanitation District No. 2 has an APA of 102.00 AFY.

12 Judgment, § V(4)(A).

13 *Id.*

14 Judgment, § V(4)(B). Carryover that a party wishes to designate as Storage Water gets allocated to a party's Individual Storage Allocation, if available, and if not, then into Community Pool Storage.

15 *Id.*

Extraction of Water, Generally

Parties with an Adjudicated Right in the West Coast Basin may extract a quantity of water equal to their Adjudicated Amount plus any amount the party holds in storage, and any carryover, with a maximum allowable extraction of 120% of the party's Adjudicated Right unless prior approval of the Storage Panel is obtained.[16] In an emergency, production in excess of a party's Adjudicated Right is permitted in an amount up to two (2) afy or ten percent (10%) of the party's Adjudicated Right, whichever is greater, without court approval.[17] Any greater amount in an emergency situation requires Court approval.[18] The party's Adjudicated Right in the following year is then reduced by the amount of overproduction.[19]

Water extracted is credited to the types of water available to a party in the following order: (1) exchange pool production; (2) carryover water; (3) Adjudicated Right water leased from another party; (4) Adjudicated Right; (5) Stored Water; and (6) emergency production.

Water Augmentation Projects

General Concept

As part of the most recent amendment to the Judgment that occurred in December 2014, provisions were added to the West Coast Basin Judgment to allow for water augmentation projects — projects that provide appreciable increases in long-term annual groundwater yield in the Basin.[20] The most recent amendments recognized that innovations and improvements in management practices that increase the conservation and maximization of the reasonable and beneficial use of water should be promoted.[21] In that vein, the terms of participation in a water augmentation project are at the full discretion of the participating parties and water extraction rights derived from them are accounted for separately from Adjudicated Rights, and perhaps more importantly, they do not carry a requirement to pay a replenishment assessment once new water is introduced and verified.[22]

---

16 Judgment, § IX(1).
17 Judgment, § V(14).
18 *Id.*
19 *Id.*
20 Similarly the Central Basin Judgment was amended to authorize individual augmentation projects — though with a somewhat more rigorous approval and validation process. Central Basin Judgment §IV (N)(¶¶ 1-6).
21 Judgment, § V(11)(A).
22 Judgment, § V(11)(B) & (F); Central Basin Judgment §IV (N)(5).

Water augmentation projects may be proposed by any party and they require approval by the Storage Panel.[23] All parties to the Judgment must be given a reasonable opportunity to participate, albeit on the condition they share proportionately in common costs/benefits and exclusively bear the costs of any improvements required to accommodate their individual needs.[24] The right to water "created" through an augmentation project is apportioned among the participating parties by the Storage Panel (the Judgment does not specify how the proportionate rights are to be determined); parties to the Judgment that do not participate will not obtain rights to any new water created.[25]

Process of Obtaining Additional Extraction Rights

The first step with a water augmentation project is for the party(ies) proposing the project ("Project Leads") to provide advance written notice to all parties to the Judgment, detailing the potential water augmentation project and the proposed terms under which a party may opt-in.[26] In response, any party may indicate its desire to participate.[27] Each participating party must provide written and legally binding assurances that it will bear its proportionate share of the costs attributable to the project, or provide other valuable consideration deemed sufficient by the Project Leads and all participating parties.[28]

Once the project participants are determined, an application must be submitted to the Administrative Body (*i.e.*, WRD) of the Watermaster. With limited exceptions, the Administrative Body is required to do groundwater modeling and technical studies for the proposed project in order to determine if the proposed project is technically feasible and to confirm that it will not cause material physical harm to the Basin. The Project Leads also submit the analyses to the Storage Panel for its review in connection with the proposed project. The costs of the modeling and the costs associated with the processing and review of the application (including any other technical studies) are to be borne by the proponent(s) of the proposed augmentation project.[29] Any party to the Judgment may submit a report or comments on the proposed project,[30] and this process of notice and comment has the potential to add complexity and cost to what would otherwise be a simple augmentation project.

---

[23] Judgment, § V(11)(E).
[24] Judgment, § V(11)(B) & (D).
[25] Judgment, § V(11)(H).
[26] Judgment, § V(11)(C).
[27] Judgment, § V(11)(D).
[28] *Id*.
[29] Judgment, § V(12)(B)(4).
[30] Judgment, § V(12)(B)(5).

With respect to required analysis under the California Environmental Quality Act ("CEQA"), a copy of any public notices required under CEQA must be provided to the Watermaster. The Storage Panel may rely on any CEQA document adopted by a lead agency for purposes of the Watermaster approving the proposed project.

The Judgment requires the Storage Panel to consider a variety of factors during review of the proposed project, including the following: (1) facilities in vicinity of the project; (2) proximity to drinking water wells and depths at which wells are screened; (3) depth at which water will be added; (4) projected resulting groundwater elevations based on groundwater modeling; (5) existing contamination, if any, in the vicinity; (6) preferential groundwater pathways; (7) the project's source of water; and (8) all information provided by any party.[31] The Storage Panel's review must include a public hearing unless it determines that the CEQA document for the project includes the required groundwater modeling, the CEQA document evaluated the above-described factors, and the CEQA document demonstrates that the project is technically feasible and will not cause material physical harm.[32]

In order to approve the project, the Storage Panel must make written findings evaluating the above-listed factors, and concluding that the project is both technically feasible and will not cause material physical harm.[33] Any party may seek reconsideration of the Storage Panel's decision or may request judicial review of it under the continuing jurisdiction of the Court pursuant to procedures found in section XI(4)(D) of the Judgment.[34] Such request for judicial review must generally be brought with 60 days of the Storage Panel's decision.[35]

Post-Approval Matters

For any water augmentation project that is approved, the Storage Panel must impose certain conditions. The conditions include: no extraction under additional rights until new water has actually been introduced into the Basin; regular monitoring to determine the actual amount of new water introduced into the Basin via the project; makeup water, or equivalent payment therefore, required to the extent that the actual water supply augmentation does not meet projections; and water rights derived from the project shall be adjusted to match the actual water "created."[36] The Storage Panel is also required to impose water quality standards for the

---

[31] Judgment, § V(11)(E). Central Basin augmentation projects follow a similar process—detailed in Central Basin Judgment § IV (¶¶ N-P)

[32] Judgment, § V(13)(B)(5). Section II of the Judgment defines the terms "technically feasible" and "material physical harm."

[33] Judgment, § V(11)(E).

[34] Judgment, § V(13(C).

[35] Judgment, § XI(4)(D).

[36] *Id*.

augmentation water; however, the Judgment does not specify what those standards must be or the way in which they are to be determined.[37]

Stored Water

Storage Options

The Judgment adjudicates storage space within the West Basin for use by parties to the Judgment and, in certain circumstances, non-parties. The total adjudicated storage capacity is 70,900 af. That total storage capacity is broken down into the following three "levels" of storage: Individual Storage Allocations, Community Pool Storage and Regional Storage.

Individual Storage Allocations are provided to each party to the Judgment in an amount equal to approximately forty percent (40%) of that party's Adjudicated Right.[38] In total, these allocations amount to 25,800 af of the adjudicated storage capacity.[39] A party has a first priority right to its Individual Storage Allocation, and water may be assigned to it through carryover conversion or by other means authorized by the Judgment (e.g., water augmentation project).[40] A party's Individual Storage Allocation is the first "bucket" filled when a party desires to store water.

Community Pool Storage is available on a first in time, first in right basis, with the caveat that party wishing to use Community Pool Storage must first use its entire Individual Storage Allocation. [41] The total capacity allocated for Community Pool Storage is 35,500 af. Once space in Community Pool Storage is used by a party, that specific capacity is "reserved" for that party's use for a period of 24 months after the party withdraws water from its community storage stored water. If the vacated capacity is not completely refilled within that 24-month period, the storage space becomes available for use by another party.[42] If a party maintains water in Community Pool Storage for 10 years or more, and the Community Pool Storage is at least twenty-five percent (25%) occupied, then the party's stored water assigned to Community Pool Storage either becomes water stored in space-available storage or gets deemed "used first" (*i.e.*, extracted water is, for accounting purposes, deducted from the party's community storage amount prior to being subtracted from any other amount available to that party).[43]

---

37 Judgment, § V(13)(B)(7).
38 Judgment, § V(5)(A).
39 *Id.*
40 *Id.*
41 Judgment, § V(6)(A).
42 Judgment, § V(6)(C).
43 Judgment, § V(6)(D).

Regional Storage, which has a total capacity of 9,600 af, is for storage of water pursuant to a Regional Storage Project.[44] Under the Judgment, a Regional Storage Project is a project that does not enhance the West Basin's *long-term* reliable yield and that requires storage capacity in excess of a party's Individual Storage Allocation and the Community Storage Pool capacity.[45] Examples include in-lieu projects, carryover converted to stored water, physical improvement projects, the recharge of "wet water" by spreading or injection, and projects that reduce the overall cost for WRD to perform its replenishment functions.[46] Regional Storage Projects must be approved by the Storage Panel. Although a person or entity that is not a party to the Judgment may propose and/or participate in a Regional Storage Project, if such a non-party's project is approved, that non-party must intervene in the Judgment prior to commencing the project.[47] The Storage Panel is charged with determining the extraction limits for that "non-party."[48]

The Judgment contemplates that some of the above-described storage capacity may go unused by the party or parties with priority rights to use such capacity. It, thus, provides that any unused storage capacity (and any Basin Operating Reserve unused by WRD) may be used by any party with an Adjudicated Right for temporary storage purposes — referred to in the Judgment as "Space-Available Storage." Space-Available Storage may be used without prior approval, however, the party using it assumes all risks of waste and loss.[49] When Space-Available Storage is used, unused storage space is filled in the following order, with the requirement that all capacity in one category be fully occupied prior to moving to unused space in the next category of storage: Individual Storage Allocation, Regional Storage, Community Storage, then the Basin Operating Reserve.[50] Because Space-Available Storage is intended for temporary use, it must be vacated within 90 days if another party wants to make use of such space for its original intended purpose (*i.e.*, Individual Storage Allocation, Regional Storage, or Community Pool Storage uses).[51]

---

[44] Judgment, § V(7).

[45] Judgment, § V(7)(A).

[46] Judgment, § V(7)(D). For example, an augmentation project that is too far west to result in an increased basin yield could nevertheless qualify as a Regional Storage Project if it reduces the amount of water that WRD has to obtain for barrier replenishment purposes. At least one of the proposed injection sites proposed by the DC Management Group is in close proximity of one of WRD's seawater intrusion barriers, so characterization of the Project as a Regional Storage Project may be economically advantageous.

[47] Judgment, §§ V(7)(B)-(C), (8)(C).

[48] Judgment, § V(8)(C).

[49] Judgment, § V(10)(A)(1).

[50] Judgment, § V(10)(A)(3).

[51] Judgment, § V(10)(A)(5)-(6). An exception exists for parties with Adjudicated Rights under 100 afy; such parties may store a maximum of 200 afy. (Judgment, § V(8)(A).)

Storage Limitations and Extraction of Stored Water

The Judgment places limits on the amount of water that may be stored by a party. Specifically, irrespective of the type(s) of storage used, the maximum allowable storage for a given party is an amount equal to two hundred percent (200%) of the party's Adjudicated Right.[52] An additional storage amount equal to fifty percent (50%) of a party's Adjudicated Right is available if the party is using Space-Available Storage.[53] To the extent that a water augmentation project is undertaken, the Storage Panel is charged with determining annual limitations on the amount of stored water and on extraction of stored water.[54]

Importantly, the Judgment expressly states that extraction of stored water, which is defined to include water resulting from an water augmentation project, is not subject to payment of a replenishment assessment.[55]

Suggested Steps for Acquiring Additional Pumping Allocations Based on Groundwater Added to the Aquifer.

The types of projects being considered as part of the EWMP for the DC Management Group — injection of captured stormwater into the Basin for subsequent withdrawal — appears to be the precise type of project contemplated by the December 2014 amendments to the Judgment concerning water augmentation projects. As explained above, the approval of such a project secures to the participating parties an additional water allocation beyond any Adjudicated Rights. Those additional water rights may then be leased, transferred, sold, etc. in the same manner as the Judgment prescribes for Adjudicated Rights. Although all parties to the Judgment must be given an opportunity to participate, meaning they are able to acquire a portion of the additional water rights, there are assurances that any party that opts in must pay their fair share of the project costs which would result in reduced costs for the other participating parties. Additionally, the Judgment is clear that those who do not participate will not be allocated a right to any groundwater resulting from the project.

To avoid the need for the Storage Panel to hold a hearing on a potential project, it is advisable that the CEQA documentation prepared for injection project(s) include groundwater modeling, an analysis of the factors that the Storage Panel is required to consider, and a discussion demonstrating that the project is technically feasible and will not result in material physical harm to the groundwater basin. Doing so will also help to control costs given that any analysis and studies that the Administrative Body and the Storage Panel do with respect to the

[52] Judgment, § V(8)(A).
[53] Judgment, § V(8)(B).
[54] Judgment, § V(13(B)(7).
[55] Judgment, § V(9).

project must be paid for by the project proponents. Incorporation of required modeling and study into CEQA documentation would potentially prevent the same technical work from needing to be performed twice.

All members of the DC Management Group can obtain additional pumping rights in the West Coast Basin since all members of the Group are also parties to the West Coast Basin Judgment. Los Angeles can obtain additional pumping rights in the Central Basin as well. All that is needed is that the project participants for a particular injection site utilize the process laid out in each Judgment for approval of an augmentation project — as such processes were discussed herein.

The more difficult question for DC Management Group Members will be whether the cost of planning, coordinating technical analysis with WRD and the respective Storage Panels, CEQA, environmental permitting, construction, operation and maintenance, and long term administrative costs are justified by the increased pumping allocation associated with a particular inject project over time. The answer will generally depend on how much "new water" is created for each injection site — as allocated across all of the anticipated project costs.

Probability and Costs of Acquiring Additional Pumping Allocations Given the Potential for Claims and Litigation Associated with Taking Those Steps.

It is our view that an augmentation project derived from injection of captured stormwater, if able to demonstrate increased basin yield in either the West Coast or Central Basin, would be able to obtain additional pumping allocations under the respective judgments. Moreover, provided the quality of the injected water did not contain constituents likely to degrade existing supplies of other parties (thereby increasing their respective treatment costs), we believe the risk of significant litigation is not great since the water injected would, as we understand it, otherwise be lost to the productive aquifers in the absence of the augmentation projects. Moreover, any party that wanted to obtain an allocation of new water would have the ability to do so by providing its notice of intent to participate in the proposed project, thereby making it difficult to claim a right to water afterwards having declined to participate when given the opportunity in accordance with the pertinent judgment provisions.

Legal costs are difficult to assess without knowing the scope of the specific project(s) proposed. As previously indicated, it does not appear likely that the proposed projects are likely to lead to litigation — a potentially large multiplier of legal costs and level of effort — but the coordination process with WRD and the Storage Panels will require the assistance of experienced water and environmental attorneys. With litigation, the costs of obtaining the additional allocations could easily exceed one million dollars in legal costs. Without litigation, we would not envision the costs exceeding $50,000 per site, and likely much less per site if all sites under consideration are submitted for Watermaster approval in a programmatic manner

supported by a programmatic CEQA document. Additionally, some of the legal costs may be reduced by the use of in-house legal assets — such as those available to the City of Los Angeles.

Proposed Strategy for Securing a Water Agency as a Partner to Secure the Additional Pumping Allocations.

The DC Management Group members, as parties to the West Coast Basin Judgment, are all able to partner with other members of the Group or other parties in the West Coast Basin in the development of augmentation projects involving stormwater injection. If there is a desire to inject water into the Central Basin because of better water quality and usability (without treatment) of injected augmentation project water, the best mechanism that DC Management Group members can likely take is to partner with the City of Los Angeles — which has the right to store water in both basins, and which already has the right to extract its full West Coast Basin APA from the Central Basin — up to 5,000 afy.[56] As previously indicated, partnering with WRD on Regional Storage Projects in the West Coast Basin is also an option that should be explored more fully for possible economic advantage. On the other hand, we believe it would be difficult for any member of the DC Management Group other than Los Angeles to undertake an augmentation project in the Central Basin for meaningful benefit because of the restrictions in the Central Basin Judgment about Central Basin extractions only being used in the Central Basin.[57]

Background and Steps Necessary to Obtain Regulatory Authorization to Inject Stormwater into a Groundwater Aquifer Within the Dominguez Channel Watershed.

The primary state water quality law in California is the Porter-Cologne Water Quality Control Act (PCA) (Water Code §§ 13000 *et seq.*), which was enacted in 1969. The PCA established a State Water Resources Control Board ("SWRCB") and nine Regional Water Quality Control Boards ("RWQCB" or "Regional Boards"), and authorizes them to regulate the waters of the state "to obtain the highest water quality which is reasonable, considering all demands being made and to be made on those waters and the total values involved, beneficial and detrimental, economic and social, tangible and intangible." (Water Code §§ 13000, 13001.) The RWQCB responsible for regulating the Dominguez Channel Watershed (and all of Western Los Angeles County) is the Los Angeles Regional Water Quality Control Board ("LA RWQCB" or "LA Regional Board").

---

[56] Central Basin Judgment § IV (K). All water extracted by Los Angeles from the Central Basin must also be replenished in the Central Basin. (*Id.*)

[57] Central Basin Judgment §§ IV (K)(5); I.C ("Except as expressly authorized herein, or upon further order of the Court, all parties are enjoined and restrained from transporting water extracted from the Central Basin outside the boundaries of the Central Basin Area.")

Under the PCA, any person proposing to discharge water "that could affect the quality of the waters of the state" must apply for Waste Discharge Requirements ("WDR"), which serve as permits for such discharges, from the appropriate Regional Board. (Water Code § 13260(a).) This requirement expressly applies to the proposed construction or operation of an injection well. (Water Code § 13260(a)(3); *see also* Water Code § 13051 [defining injection well].)

The WDR application process begins by filing a Report of Waste Discharge ("ROWD") containing all information required by the Regional Board. (Water Code § 13260(a).) That information includes a "complete characterization" of the proposed discharge including "design and actual flows, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any BMPs used, and a description of disposal methods." (Application/ROWD, p. 7.) It is also recommended that contact be made with the Regional Board staff to discuss the proposed discharge prior to the submission of a ROWD.

Within 30 days of receipt of a ROWD, Regional Board staff will confirm receipt of the application and notify the applicant of any supplemental documents or information required. (*See* ROWD Application Package.) Once the application is complete, the Regional Board determines whether WDRs should be issued, and if so, distributes them to interested agencies and parties for a minimum 30 day comment period. Thereafter, the Regional Board holds a public hearing, at which it may adopt WDRs by a majority vote of the Board. (*See* Water Code § 13263(a) [after any necessary hearing, the Regional Board "shall prescribe requirements as to the nature of the proposed discharge"].)

WDRs must "implement any relevant water quality control plans that have been adopted, and shall take into consideration the beneficial uses to be protected, the water quality objectives reasonably required for that purpose, other waste discharges, the need to prevent nuisance, and the provisions of Section 13241."[58] (Water Code § 13263(a); *see also* Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventural Counties [hereinafter "Basin Plan], pp. 4-31.)

Here, the pertinent Basin Plan: (1) designates beneficial uses for surface and ground waters; and (2) sets narrative and numerical objectives that must be attained or maintained to protect those designated beneficial uses. (*See* Basin Plan, p. 1-1.)

The proposed EWMP Planning Area for the Dominguez Channel Watershed, in large measure, overlies the Basin Plan's Los Angeles Coastal Plain, West Coast Basin, which is

[58] Section 13241 establishes criteria for establishing water quality objectives, while recognizing that "it may be possible for the quality of water to be changed to some degree without unreasonably affecting beneficial uses."

expressly designated for Municipal and Domestic Supply ("MUN") use in the Basin Plan.[59] (Basin Plan, pp. 2-30, 2-46.) Moreover, while the Averill Park potential regional project site is in an area that does not appear to be within a specific basin listed in the Basin Plan, the Basin Plan notes that "ground waters outside of the major basins are either potential or existing sources of water for downgradient basins, and as such, beneficial uses in the downgradient basins shall apply to these areas." (Basin Plan, p. 2-46, note ac.) Since the West Coast Basin appears to be downgradient to the Averill Park site, it is assumed to be subject to the same water quality objectives as the other potential sites. (*See also* Basin Plan, p. 5-7 [explaining that, pursuant to State Board Resolution No. 88-63, all waters of the state must be protected as existing or potential sources of municipal water, unless expressly excepted by the Regional Board].)

Thus, the following water quality objectives apply to groundwater beneath all of the proposed injection sites:

- Bacteria: "the concentration of coliform organisms over any seven day period shall be less than 1.1/100 ml." (Basin Plan, p. 3-39.)
- Chemical Constituents and Radioactivity: "shall not contain concentrations of chemical constituents and radionuclides in excess of the limits" in specified sections of Title 22 of the California Code of Regulations. (Basin Plan, pp. 3-39 to 3-40.)
- Mineral Quality: (Basin Plan, pp. 3-40, 3-44.)[60]
    - TDS: 800 mg/l
    - Sulfate: 250 mg/l
    - Chloride: 250 mg/l
    - Boron: 1.5 mg/l

[59] The El Segundo proposed regional project site is near, but just east, of a portion of the basin with no MUN designation.

[60] Under certain circumstances the Regional Board may grant a variance from implementing the mineral quality objectives when issuing WDRs. (Basin Plan, p. 3-40.) A variance can only be granted after a public hearing, and may be in place for a maximum of 10 years (5 years, plus one 5 year extension). (*Id*.)

- Nitrogen: "shall not exceed 10 mg/L nitrogen as nitrate-nitrogen plus nitrite-nitrogen (NO3-N + NO2-N), 45 mg/L as nitrate (NO3), 10 mg/L as nitrate-nitrogen (NO3-N), or 1 mg/L as nitrite-nitrogen (NO2-N)." (Basin Plan, p. 3-41.)

- Taste and Odor: "shall not contain taste or odor-producing substances in concentrations that cause nuisance or adversely affect beneficial uses."

Thus, any WDRs issued to allow discharge of stormwater into the West Coast Basin would have to be protective of all of the above water quality objectives. If the water to be injected complies with such objectives, obtaining WDRs for the proposed injection wells should not be a problem. If not, the Regional Board may require pre-treatment of such water, depending upon whether and the extent to which the proposed discharges would degrade the quality of the basin water. (*See* SWRCB Reso. No. 68-16.) If the water does not comply with Basin Plan Objectives, the discharge will not be permitted absent offsets that — on balance — result in no net increase in the pollutant of concern in the receiving water. (*See* SWRCB *In Re Petition of San Diego Milk Producers Council*, WQO 88-12 at pp.12-14 [pollutant concentrations must not exceed basin plan standards but may be permitted where offsets are utilized or pollutant concentrations are removed through treatment or infiltration process prior to reaching groundwater].) Another option would be to change the Basin Plan objectives in the West Basin, but given the current use of much of the basin for domestic water production, the ability to change such standards in light of the MUN designation would be very limited. (*See id.* at p. 14 [MUN beneficial uses existing near dairies precluded change of basin plan objectives for TDS.])

If the discharge will result in water being injected that is of higher quality than Basin Plan objectives, or the basin otherwise has additional assimilative capacity, then the Regional Board can permit the injection project upon making findings that: (1) the discharge utilizes best practicable treatment or control; (2) a condition of pollution or nuisance will not occur as a result of the discharge; (3) allowing the discharge, notwithstanding allowing some further degradation of otherwise high quality waters, is consistent with maintenance of the highest quality water consistent with the maximum benefit to the people of the state. (*AGUA v. Central Valley Regional Water Quality Control Board* (2012) 210 Cal.App.4th 1255.)

Alternatively, the Regional Board has the authority to waive the requirement that a ROWD be submitted and/or WDRs be obtained "as to a specific discharge or type of discharge if it determines that the waiver "is consistent with any applicable state or regional water quality control plan and is in the public interest." (Water Code § 13269.) Discharges eligible for such waivers must comply with all applicable Water Quality Control Plans. (Basin Plan, p. 4-17.) A waiver may not exceed 5 years in duration, but may be renewed by the Regional Board. (Water Code § 13269(a)(2).)

As previously indicated, to the extent the water quality objectives set forth in the Basin Plan cannot be met, it may be possible to amend the Basin Plan. (*See* Basin Plan, p. 1-4.) A Basin Plan amendment requires a public review and hearing process. (*Id*.) Following adoption by the Regional Board, Basin Plan amendments must be approved by the State Board, as well as the State Office of Administrative Law. Further, amendments that involve changes in state standards must be reviewed by USEPA. (Basin Plan, p. 1-5; *see* also Clean Water Act, § 303(c)(2)(A).)

Additional Regulatory Approvals that May Be Required

EPA Underground Injection Control (UIC) Program

Injection wells are regulated by the US EPA under the Underground Injection Control (UIC) Program. In California, the UIC Program is implemented by US EPA Region 9, for all wells other than "Class II" wells. The EPA has defined five classes of injection wells, "according to the type of fluid they inject and the where the fluid is injected."[61] Stormwater injection wells are considered "Class V" wells, a category that generally includes wells that inject non-hazardous fluids into or above underground sources of drinking water.[62] "Class V storm water drainage wells are 'authorized by rule,' which means they may be operated without an individual permit so long as the injection does not endanger [an underground source of drinking water], and the owner or operator of the well submits basic inventory information about the well to their permitting authority." (*Id.; see* also Inventory Form, available at 2007_12_12_uic_class5_form_uic_7520-16.pdf.) Thus, the UIC Program requirements applicable to stormwater injection wells appear to be minimal. Nonetheless, Region 9 should be contacted during project development in order to confirm there are no requirements other than the submission of an inventory form.

State Water Resources Control Board—Drinking Water Branch ("SWRCB-DB"):

The SWRCB-DB is the entity that previously regulated drinking water within the California Department of Public Health ("CDPH"). SWRCB-DB is heavily involved with the permitting of highly treated sewage that is proposed for use as replenishment water. However, the augmentation projects contemplated by the DC Management Group, as we understand them, do not involve any recycled or reclaimed water, only the use of captured stormwater. As such, none of the injection projects under consideration should require permitting or other approval by SWRCB-DB, and any protection of drinking water that SWRCB-DB might require would presumably be addressed via the LA RWQCB's WDR consideration process given that LA RWQCB is required to protect the MUN beneficial use in any WRD it might issue. That stated,

---

61 *See* www.epa.gov/region9/water/groundwater /uic.html.

62 *See* http://water.epa.gov/type/ groundwater/uic/class5/types_stormwater.cfm.

any proposed project should be coordinated with SWRCB-DB personnel to ensure they have no objections or desire for participation outside of the CEQA process.

The Probability of Achieving Authorization from the RWQCB to Inject Collected Stormwater into a Groundwater Aquifer.

The SWRCB has stated that they are strongly in favor of stormwater management options that increase local water supplies in the Los Angeles Region. (*See In Re Petitions Challenging 2012 Los Angeles Municipal Separate Storm Sewer System Permit*[63] [Draft Order No. R4-2012-0175, November 21, 2014] at pp. 20-22, 40-42, and 49 ["The alternative compliance path should encourage multi-benefit regional projects that capture, infiltrate, and reuse storm water and support a local sustainable water supply"].) Assuming the constituents in the water to be infiltrated/injected are at or below receiving water limitations in the receiving groundwater, it is very likely that the Project would be permitted by the LA Regional Board — even if the discharge would result in some degradation of receiving water quality. However, to the extent that injected water exceeds pertinent receiving water limitations, permitting would be a much more detailed process requiring demonstration of no impairment of the MUN beneficial use, or the implementation of treatment that would eliminate such impairment prior to injection.

Estimate of Costs for Legal Support to Obtain Authorization from the RWQCB to Inject Collected Stormwater into a Groundwater Aquifer.

Much like the range of potential legal costs for obtaining additional water rights associated with injection of captured stormwater, the potential legal costs associated with permitting of one or more injection projects will vary significantly based upon whether there is opposition to the Project or litigation commenced as a result of permit issuance (or denial). If required WDRs are opposed by third parties, or if the Regional Board staff recommends denial because of failure to meet LA Basin Plan standards, the legal costs (to include the costs of expert and consulting witnesses) associated with obtaining ultimate approval could easily exceed one million dollars. If, however, assimilative capacity exists for all constituents of concern, and no environmental groups or other pumpers challenge the project(s), legal services associated with WDR regulatory permitting could run anywhere from 15,000 to 50,000 dollars depending on the number of sites, the amount of work that can be done through in-house and non-legal resources, and the complexity of the Regional Board hearing.

63 This Draft Order, proposed by the SWRCB for statewide applicability, is available online at http://www.waterboards.ca.gov/public_notices/petitions/water_quality/docs/a2236/a2236_draft_order.pdf.

III. Conclusion.

As previously discussed herein, injection of captured stormwater is potentially a viable means of achieving additional water rights within the Dominguez Channel Watershed. Both the Central and West Coast Basin Judgments provide specifically for approval of enhanced water rights as a result of augmentation projects developed by parties to one or both judgments. Whether injection projects developed through EWMP implementation are cost effective and viable will depend greatly on the quality of the stormwater captured, the parties participating and their respective resources, and the volume of water proposed for development. On balance, projects that are solely in the West Coast Basin are likely to be easier to permit from a water rights perspective given the somewhat more permissive nature of the West Coast Basin Judgment, as well as the fact that eight of the nine project sites overlie the West Coast Basin. Regulatory approvals from the LA Regional Water Quality Control Board are obtainable, and indeed likely to be supported by Regional Board staff (because of the water supply benefit), if the quality of water to be injected meets or exceeds all water quality objectives in the groundwater basin it overlies.

Hopefully the above analysis will be helpful to you, and all of the members of the DC Management Group, in determining which projects to include as part of the implementation of the EWMP in furtherance of the ultimate achievement of water quality objectives within the Dominguez Channel Watershed.

PAGE INTENTIONALLY LEFT BLANK

EXHIBIT A

PAGE INTENTIONALLY LEFT BLANK

Table 5. Succession of Adjudicated Rights, June 2014 (acre-feet)

ABC NURSERY, INC		
SUCCESSOR TO JENKINS, HARRY C	1.80	
SUCCESSOR TO TITLE, SIDNEY R AND CHARLOTTE W	13.60	
SUCCESSOR TO VERBURG, WILLIAM AND CLARA B	6.70	
SUCCESSOR IN PART TO UNITED CALIFORNIA BANK	2.00	
TOTAL		24.10
ABELL, FRANK	1.80	
SOLD TO CITY OF INGLEWOOD	-1.80	
TOTAL		0.00
ALCAST FOUNDRY, ET AL	7.20	
SOLD TO CITY OF TORRANCE	-7.20	
TOTAL		0.00
ALLIED CHEMICAL CORP		
(SEE INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP)		
ALLIED CORP		
(FORMERLY: ALLIED CHEMICAL CORP) (NOW KNOWN AS ALLIED-SIGNAL, INC (EL SEGUNDO OFFICE))		
ALLIED-SIGNAL, INC (TORRANCE OFFICE)		
SUCCESSOR TO GARRETT CORP, THE (MERGED WITH HONEYWELL INTERNATIONAL, INC AND NAME CHANGED TO HONEYWELL INTERNATIONAL, INC)	22.50	
TOTAL	-22.50	0.00
ALLIED-SIGNAL, INC (EL SEGUNDO OFFICE)		
(FORMERLY: ALLIED CORP	255.00	
(MERGED WITH HONEYWELL INTERNATIONAL, INC AND NAME CHANGED TO HONEYWELL INTERNATIONAL, INC)	-255.00	
TOTAL		0.00
ALWAG, HILARIO S AND EMMA		
SUCCESSOR TO T C NAVARRO	53.90	
SUCCESSOR TO PEGGY SWICK	5.50	
SOLD TO TORRANCE UNIFIED SCHOOL DISTRICT	-59.40	
TOTAL		0.00
AMERICAN PLANT GROWERS, INC		
SECOND WEST COAST BASIN JUDGMENT	2.60	
SUCCESSOR TO BEN CLUFF DAIRY	7.40	
SOLD TO SUNRISE GROWERS, INC	-10.00	
SUCCESSOR TO SUNRISE GROWERS, INC	10.00	
SOLD TO VUKELICH MIKE, JR.	-10.00	
TOTAL		0.00
ANDERSON, REMBERT C	80.50	
SOLD TO SPARKLETTS DRINKING WATER CORP	-80.50	
TOTAL		0.00
AQUA CAPITAL MANAGEMENT LP		
SUCCESSOR TO ECOGAS	11.60	
TOTAL		11.60
ASAHI FANCY KOI, INC		
SUCCESSOR IN PART TO JAKE ENGELSMA	2.00	2.00
ASSOCIATED SOUTHERN INVESTMENT CO		
(FORMERLY EDISON SECURITIES CO)	46.70	
SOLD TO SOUTHERN CALIFORNIA EDISON CO	-46.70	
TOTAL		0.00
ATLANTIC RICHFIELD CO		
(FORMERLY RICHFIELD OIL CO)	4,428.00	
SUCCESSOR TO MANVILLE SALES CORP	881.00	
SOLD TO TESORO REFINING AND MARKETING COMPANY LLC (6-13-2013)	-5,309.00	
TOTAL		0.00
AUTOMATION INDUSTRIES, INC-HARRIS TUBE		
SUCCESSOR TO HARRIS TUBE, INC	0.70	0.70
BALLMAN, ROSEMARY N	7.00	
SOLD TO UNITED CALIFORNIA BANK	-7.00	
TOTAL		0.00
BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST BI-51)	0.10	
RELEASED TO MICHAEL L ROCKWELL	-0.10	
TOTAL		0.00
BARCLAY HOLLANDER CORP		
(FORMERLY BARCLAY HOLLANDER CURCI INC)		
SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH	3.33	
SOLD TO TORRANCE, CITY OF	-3.33	
TOTAL		0.00
BARCLAY HOLLANDER CURCI INC		
(NOW KNOWN AS BARCLAY HOLLANDER CORP)		
BARCLAY, RICHARD AND R A WATT		
SUCCESSORS TO EMMA J OSBORN	32.66	
SUCCESSORS IN PART TO ISABELA J GRANZ ESTATE	13.55	
SUCCESSORS IN PART TO GEORGE R MURDOCK	13.75	
SOLD TO CITY OF TORRANCE	-59.96	
TOTAL		0.00
BAUMAN, GUS A	0.00	0.00
TRANSFERRED TO PALOS VERDES BEGONIA FARM		
BEGO CORPORATION	4.10	
SOLD TO ESTATE OF GOLDA DELANEY	-4.10	
TOTAL		0.00
BELVIDERE MUTUAL WATER CO	33.40	
SOLD TO CITY OF TORRANCE	-33.40	
TOTAL		0.00
BLACK, DANA		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	
SOLD TO ECOGAS, INC.	-11.80	
TOTAL		0.00
BOISE CASCADE BUILDING CO		
SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH	16.92	
SOLD TO INGLEWOOD, CITY OF	-16.92	
TOTAL		0.00
BOARD OF RETIREMENT-LOS ANGELES CO EMPL RET SYS		
SECOND WEST COAST BASIN JUDGMENT (NOW KNOWN AS LOS ANGELES COUNTY WESTERN AVE GOLF)		
BRANDSMA, MAYNARD		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	
SOLD TO HILLSIDE MEMORIAL PARK	-11.80	
TOTAL		0.00
BURKE, W F AND LOIS PRICE	9.50	
SOLD TO H S SCOTT	-9.50	
TOTAL		0.00
CBS INC		
FORMERLY COLUMBIA BROADCASTING SYS INC	18.50	
SOLD TO MORAN, RONALD E	-9.00	
TOTAL		9.50
CALIFORNIA, STATE OF		
SUCCESSOR TO ROBERT L FULLILOVE	1.00	
SUCCESSOR TO JOE MONIZ JR	2.20	
SUCCESSOR IN PART TO KELLY PIPE CO	16.30	
SUCCESSOR IN PART TO FLAVIO RODRIGUEZ	4.00	
SUCCESSOR IN PART TO A H SMITH (SAM SURBER AND FREDA SMITH)	2.60	
SOLD TO SPARKLETTS DRINKING WATER CORP	-26.10	
TOTAL		0.00
CALIFORNIA WATER SERVICE CO	3,071.00	
SUCCESSOR TO PALOS VERDES WATER CO	999.00	
TOTAL		4,070.00
CALIFORNIA WATER SERVICE CO (DOMINGUEZ)		
DOMINGUEZ WATER CO MERGED WITH AND INTO CALIFORNIA WATER SERVICE CO, WATERMASTER ACCOUNT KNOWN AS CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	10,162.45	
SUCCESSOR IN PART TO HONEYWELL INTERNATIONAL INC	255.00	
TOTAL		10,417.45
CARSON ESTATE CO	130.00	
SOLD TO DOMINGUEZ WATER CORP	-130.00	
TOTAL		0.00
CARSON-HARBOR VILLAGE MOBILE HOME PARK		
SUCCESSOR TO ETCHEMENDY, CAROLINE, ESTATE OF	8.20	
SOLD TO MONTROSE CHEMICAL CORPORATION OF CALIFORNIA (9-28-2011)	-1.20	
TOTAL		7.00
CARSON-MADRONA CO		
SUCCESSOR TO CHANSLOR-WESTERN OIL AND DEVELOP CO	104.00	104.00
CENTURY BUILDERS		
SUCCESSOR TO UNION NURSERY, INC	4.70	4.70
CHANDLERS PALOS VERDES SAND AND GRAVEL CORP		
SECOND WEST COAST BASIN JUDGMENT	95.20	
SUCCESSOR TO SOUTHWESTERN PORTLAND CEMENT CO	15.00	
SUCCESSOR TO TORRANCE SAND AND GRAVEL CORP	184.00	
TOTAL		294.20
CHANSLOR-WESTERN OIL AND DEVELOPMENT CO	104.00	
(FORMERLY CHANSLOR-CANFIELD MIDWAY OIL CO)		
SOLD TO CARSON-MADRONA CO	-104.00	
TOTAL		0.00
CHEMICALS CO OF ALLIED CORP		
(FORMERLY INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP)		

CHEVRON USA INC	4,541.70	
(FORMERLY STANDARD OIL CO OF CALIFORNIA)		
SUBJECT TO LONG TERM LEASE FROM ISABELLA GRANZ PER JUDGEMENT	59.60	
TOTAL		4,601.30
CHRISTIE, CLEM, DON C FOHL AND LEON	0.02	
LARSON		
(TRUSTEES OF WILMINGTON CEMETERY ASSOC)		
ABANDONED WATER RIGHT	-0.02	
TOTAL		0.00
CHURCHILL DOWNS CALIFORNIA CO		
SUCCESSOR TO HOLLYWOOD PARK OPERATING CO	282.00	
SOLD TO HOLLYWOOD PARK LAND COMPANY, LLC	-282.00	
TOTAL		0.00
CLUFF, BEN DAIRY		
SUCCESSOR TO EDWARD AND EMILY COST	7.40	
SOLD TO AMERICAN PLANT GROWERS, INC	-7.40	
TOTAL		0.00
COAST FOREST PRODUCTS		
SUCCESSOR TO SOUTHWEST STEEL ROLLING MILLS	3.40	
SOLD TO GEORGIA-PACIFIC CORP	-3.40	
TOTAL		0.00
COASTLINE CHURCH OF CHRIST		
SUCCESSOR TO LERMENS, EVELYN	0.70	0.70
COLLISTER, CAMERON		
SUCCESSOR TO JOUGHIN TORRANCE RANCH	136.82	
QUITCLAIMED TO NORMANDIE PARK	-136.82	
TOTAL		0.00
COLUMBIA BROADCASTING SYSTEM, INC		
(NOW KNOWN AS CBS INC)		
CONOCOPHILLIPS COMPANY		
SUCCESSOR TO TOSCO CORPORATION (NOW KNOWN AS PHILLIPS 66 COMPANY)		
COST, EDWARD AND EMILY	7.40	
SOLD TO BEN CLUFF DAIRY	-7.40	
TOTAL		0.00
CURTIS, OWEN W	3.80	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-3.44	
TOTAL		0.36
DEL AMO ESTATE CO	121.00	
SOLD TO DOMINGUEZ WATER CORP	-121.00	
TOTAL		0.00
DELANEY, GOLDA, ESTATE OF		
(FORMERLY ARTHUR J DELANEY)		
SUCCESSOR TO BEGO CORP	4.10	4.10
DENNIS, ESTHER M SHEETS		
(FORMERLY ESTHER M SHEETS)	5.50	
SOLD TO TORRANCE, CITY OF	-5.50	
TOTAL		0.00
DESSER ENTERPRISES, INC.		
SECOND WEST COAST BASIN JUDGMENT	0.00	0.00
SOLD TO MYRON Z. CHLAVIN AND NETTIE DESSER TRUST AND JHD PROPERTIES, LLC	-0.00	0.00
DOMINGUEZ ESTATE CO	254.00	
SOLD TO DOMINGUEZ WATER CORP	-254.00	
TOTAL		0.00
DOMINGUEZ WATER CORP		
(NOW KNOWN AS DOMINGUEZ WATER CO)		
DOMINGUEZ WATER CO	9,477.80	
(FORMERLY KNOWN AS DOMINGUEZ WATER CORP)		
SUCCESSOR TO CARSON ESTATE CO	130.00	
SUCCESSOR TO DEL AMO ESTATE CO	121.00	
SUCCESSOR TO DOMINGUEZ ESTATE CO	254.00	
SUCCESSOR TO DON WILSON BUILDERS	32.60	
SUCCESSOR TO HEYDENBECK, JEANETTE R	0.70	
SUCCESSOR TO NAKANO, KIKUNO, ET AL	19.30	
SUCCESSOR IN PART TO H J EARLY	91.00	
SUCCESSOR IN PART TO R A WATT, INC	61.85	
SOLD IN PART TO WATSON LAND CO	-37.60	
SUCCESSOR TO THORPE, GREGORY	11.80	
DOMINGUEZ WATER CO MERGED WITH AND INTO CALIFORNIA WATER SERVICE CO, WATERMASTER ACCOUNT KNOWN AS CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	-10,162.46	
TOTAL		0.00
DON WILSON BUILDERS		
SUCCESSORS TO KASUO, ISAMU, AND YOSHIKI R KITA	32.60	
SOLD TO DOMINGUEZ WATER CORP	-32.60	
TOTAL		0.00
DOUGLAS AIRCRAFT CO, INC		
(SEE MCDONNELL DOUGLAS CORP)		
EARLY, H J AND DAISY	111.00	
SOLD TO DOMINGUEZ WATER CORP	-91.00	
SOLD TO SAMUEL R AND RAYMOND S FUJIMOTO	-20.00	
TOTAL		0.00
ECOGAS, INC.		
SUCCESSOR TO BLACK, DANA	11.80	
SOLD TO AQUA CAPITAL MANAGEMENT LP	-11.80	
TOTAL		0.00
EDISON SECURITIES CO		
(NOW KNOWN AS ASSOCIATED SOUTHERN INVESTMENT CO)		
EL SEGUNDO, CITY OF	953.00	953.00
ENGELSMA, JAKE		
SUCCESSOR TO WILBUR HORNSTRA	14.10	
SOLD TO ASAHI FANCY KOI, INC	-2.00	
TRANSFERRED TO SUSAN ENGELSMA, TRUSTEE ET AL	-12.10	
TOTAL		0.00
ENGELSMA, SUSAN; TRUSTEE OF THE SUSAN ENGELSMA TRUST		
TRANSFERRED FROM JAKE ENGLESMA	12.10	12.10
EQUILON ENTERPRISES, LLC		
SUCCESSOR TO TEXACO REFINING AND MARKETING, INC	3,432.00	
SOLD TO SHELL OIL PRODUCTS US	-3,432.00	
TOTAL		0.00
ETCHEMENDY, CAROLINE, ESTATE OF	8.20	
SOLD TO CARSON-HARBOR VILLAGE MOBILE HOME PARK	-8.20	
TOTAL		0.00
EVERGREEN AMERICA CORP		
SUCCESSOR TO POTHOS CORP	5.40	5.40
EWING, CARMELITA ROSECRANS	91.30	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-91.30	
TOTAL		0.00
EWING, NED ET AL		
SUCCESSOR IN PART TO ISABEL J GRANZ ESTATE	6.50	
SOLD TO R A WATT, INC	-6.50	
TOTAL		0.00
FLESH, LESLIE R AND ANDOR PASTERNAK, ET AL		
SUCCESSORS TO ALFRED D AND RUTH SEABACK	3.50	
SOLD TO STANLEY C LAGERLOF	-3.50	
TOTAL		0.00
FLETCHER OIL AND REFINING CO		
(FORMERLY FLETCHER OIL CO)	86.30	
SUCCESSOR TO FLETCHER, ROBERT G ET AL	3.70	
SOLD TO WESTERN WATER CO	-90.00	
TOTAL		0.00
FLETCHER, ROBERT G, DANIEL S, AND WILFRED O		
SUCCESSOR TO FRED A JUNGQUIST	3.70	
SOLD TO FLETCHER OIL AND REFINING CO	-3.70	
TOTAL		0.00
FUJIMOTO, SAMUEL R		
(FORMERLY KNOWN AS FUJIMOTO, SAMUEL R AND RAYMOND S)		
SUCCESSOR IN PART TO H J AND DAISY EARLY	20.00	
SOLD TO FUJIMOTO, SAMUEL R, STEVEN T AND JON T JOINT TENANTS	-20.00	
TOTAL		0.00
FUJIMOTO, SAMUEL R AND RAYMOND S		
(SEE FUJIMOTO, SAMUEL R)		
FUJIMOTO, SAMUEL R, STEVEN T AND JON K, JOINT TENANTS		
SUCESSOR TO FUJIMOTO, SAMUEL R	20.00	20.00
FULLILOVE, ROBERT L	1.00	
SOLD TO STATE OF CALIFORNIA	-1.00	
TOTAL		0.00
FUTURA INDUSTRIES, INC		
SUCCESSOR TO SPANISH AMERICAN INSTITUTE	44.40	
SOLD TO KAUFMAN, LEO AND SHELDON BAER	-44.40	
TOTAL		0.00
GARRETT CORP, THE		
SUCCESSOR TO SHINODA BROTHERS INC	22.50	
TRANSFERRED TO ALLIED-SIGNAL INC (TORRANCE OFFICE)	-22.50	
TOTAL		0.00
GATX TANK STORAGE TERMINALS CORP		
SUCCESSOR TO PHILLIPS PETROLEUM CO	167.00	
SOLD TO KINDER MORGAN LIQUIDS TERMINALS, LLC.	-167.00	
TOTAL		0.00
GEORGIA-PACIFIC CORP		
SUCCESSOR TO COAST FOREST PRODUCTS	3.40	
SOLD TO INGLEWOOD, CITY OF	-3.40	
TOTAL		0.00
GERAHUE LAND CO		
SUCCESSOR AND ASSIGNEE FOR A S JOHNSTON DRILL CO	11.90	
ABANDONED WATER RIGHT	-11.90	
TOTAL		0.00
GILLINGHAM, FLORENCE R, ET AL	2.40	2.40
GOLDEN STATE WATER COMPANY		
SUCCESSOR TO SOUTHERN CALIFORNIA WATER COMPANY (NAME CHANGE)	7,502.24	7,502.24
GONZALES, FELIPE AND GABRIELA		
(NOW KNOWN AS GONZALES, GABRIELA AND MARIA R)		

GONZALES, GABRIELA AND MARIA R		
(FORMERLY GONZALES, FELIPE AND GABRIELA)	34.30	
SOLD TO TORRANCE, CITY OF	-34.30	
TOTAL		0.00
GRAND LAND CO		
SUCCESSOR IN PART TO SMITH, A H, ET AL	5.70	
ABANDONED WATER RIGHTS 1961-62	-5.70	
TOTAL		0.00
GRANT, JOHN, ESTATE OF	**59.00**	
APPORTIONED IN PART TO BLACK, DANA	-11.80	
APPORTIONED IN PART TO BRANDSMA, MAYNARD	-11.80	
APPORTIONED IN PART TO HONOLD, KRISTIN BRANDSMA	-11.80	
APPORTIONED IN PART TO THORPE, GREGORY	-11.80	
APPORTIONED IN PART TO THORPE, TERRENCE	-11.80	
TOTAL		0.00
GRANZ, ISABELA J	**380.00**	
PARTITIONED TO HEIRS:		
ISABELA J GRANZ ESTATE	-33.80	
JOUGHIN TORRANCE RANCH	-212.42	
GEORGE R MURDOCK	-15.12	
EMMA J OSBORN	-32.66	
SUBJECT TO LONG TERM LEASE TO: STANDARD OIL CO OF CALIF	-59.60	
SUPERIOR OIL CO	-26.40	
TOTAL		0.00
GRANZ, ISABELA J, ESTATE OF		
SUCCESSOR IN PART TO ISABELA J GRANZ	33.80	
SOLD IN PART TO RICHARD BARCLAY AND R A WATT	-13.55	
SOLD IN PART TO NED EWING, ET AL	-6.50	
SOLD IN PART TO R A WATT, INC	-13.75	
TOTAL		0.00
HARRIS, R AND L		
SUCCESSOR TO LAWRENCE I LISTON	0.70	
DISCLAIMED WATER RIGHT	-0.70	
TOTAL		0.00
HARRIS TUBE, INC		
SUCCESSOR IN PART TO B ROBINSON AND ASSOCIATES	0.70	
TRANSFERRED TO AUTOMATION IND INC-HARRIS TUBE	-0.70	
TOTAL		0.00
HAWTHORNE, CITY OF	1,882.00	1,882.00
HENDERSON, BEATRICE M	**1.30**	
ABANDONED WATER RIGHT	-1.30	
TOTAL		0.00
HEYDENBECK, JEANETTE R		
(FORMERLY JEANETTE R REIFSNYDER)	0.70	
SOLD TO DOMINGUEZ WATER CORP	-0.70	
TOTAL		0.00
HILLSIDE MEMORIAL PARK	16.70	
SUCCESSOR TO SANTA FE LAND IMPROVEMENT CO	39.50	
SUCCESSOR TO SIGMUND S AND LIONEL S HOCKWALD	12.50	
SUCCESSOR TO THORPE, TERRENCE	11.80	
SUCCESSOR TO BRANDSMA, MAYNARD	11.80	
TOTAL		92.30
HOCKWALD, SIGMUND S AND LIONEL S	**12.50**	
SOLD TO HILLSIDE MEMORIAL PARK	-12.50	
TOTAL		0.00
HOLLYWOOD PARK INC		
(FORMERLY HOLLYWOOD TURF CLUB)		
(NOW KNOWN AS HOLLYWOOD PARK OPERATING CO)		
HOLLYWOOD PARK LAND COMPANY, LLC		
SUCCESSOR TO CHURCHILL DOWNS CALIFORNIA COMPANY	282.00	282.00
HOLLYWOOD PARK OPERATING CO		
(FORMERLY HOLLYWOOD PARK INC)	282.00	
SOLD TO CHURCHILL DOWNS CALIFORNIA CO	-282.00	
TOTAL		0.00
HOLLYWOOD TURF CLUB		
(NOW KNOWN AS HOLLYWOOD PARK INC)		
HONEYWELL INTERNATIONAL INC		
MERGED WITH ALLIED-SIGNAL INC (EL SEGUNDO AND TORRANCE OFFICES) AND THE CORP NAME CHANGED TO HONEYWELL INTERNATIONAL INC	277.50	
SOLD IN PART TO CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	-255.00	
TOTAL		22.50
HONOLD, KRISTIN BRANDSMA		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	11.80
HORNSTRA, WILBUR	**14.10**	
SOLD TO JAKE ENGELSMA	-14.10	
TOTAL		0.00
HUGHES AIRCRAFT	0.00	0.00
(SEE 1981 JUDGMENT ORDER)		
HUNT, DONALD G		
SUCCESSOR TO JAMES SCANDA	1.90	
SOLD TO KENICHI INOSE	-1.90	
TOTAL		0.00
INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP		
(FORMERLY ALLIED CHEMICAL CORP, GEN CHEMICAL CO)		
(NOW KNOWN AS ALLIED CORP)		
INGLEWOOD, CITY OF	4,382.00	
SUCCESSOR TO ABELL, FRANK	1.80	
SUCCESSOR TO BOISE CASCADE BUILDING CO	16.92	
SUCCESSOR TO GEORGIA-PACIFIC CORP	3.40	
SUCCESSOR TO KAUFMAN, LEO AND SHELDON BAER	44.40	
SUCCESSOR IN PART TO GEORGE R MURDOCK	1.37	
TOTAL		4,449.86
INOSE ET AL		
(KEN K INOSE, KAY K INOSE, KIYOKO YOSHIYAMA, KENICHI INOSE, KAYOKO K INOSE AND DAVID T NAKATANI, TRUSTEE OF THE INOSE CHILDREN TRUST U/D/T DATE 11/1/78)		
(FORMERLY INOSE, KENICHI)		
SUCCESSOR TO HUNT, DONALD G	1.90	
SUCCESSOR TO THAXTER, RALPH AND LOIS A LENOIR	3.50	
SOLD TO POTHOS CORP	-5.40	
TOTAL		0.00
INOSE, KENICHI		
(NOW KNOWN AS INOSE ET AL)		
JENKINS, HARRY C		
SUCCESSOR TO H L PERRY	1.80	
SOLD TO ABC NURSERY, INC	-1.80	
TOTAL		0.00
JOHNS-MANVILLE PRODUCTS CORP		
(SEE JOHNS-MANVILLE SALES CORP)		
JOHNS-MANVILLE SALES CORP		
(FORMERLY: JOHNS-MANVILLE PRODUCTS CORP MANVILLE SERVICE CORP)		
(NOW KNOWN AS MANVILLE SALES CORP)		
TOTAL		0.00
JOHNSTON, A S, DRILLING CO	**11.90**	
ASSIGNED TO GERAHUE LAND CO	-11.90	
TOTAL		0.00
JONES, ANNA MAE	**50.20**	
SOLD TO CITY OF TORRANCE	-50.20	
TOTAL		0.00
JOUGHIN TORRANCE RANCH		
SUCCESSOR IN PART TO ISABELA J GRANZ	212.42	
SOLD IN PART TO BARCLAY HOLLANDER CURCI INC	-3.33	
SOLD IN PART TO BOISE CASCADE BUILDING CO	-16.92	
SOLD IN PART TO COLLISTER, CAMERON	-136.82	
SOLD IN PART TO R A WATT, INC	-55.35	
TOTAL		0.00
JUNGQUIST, FRED A		
(FORMERLY KATHERINE P WOODMAN)	3.70	
SOLD TO ROBERT G FLETCHER ET AL	-3.70	
TOTAL		0.00
KAHLERT, ET AL		
AND SUCCESSOR IN PART TO KELLY PIPE CO	18.90	
SOLD TO SPARKLETTS DRINKING WATER CORP	-18.90	
TOTAL		0.00
KAUFMAN, LEO AND SHELDON BAER		
SUCCESSOR TO FUTURA INDUSTRIES INC	44.40	
SOLD TO CITY OF INGLEWOOD	-44.40	
TOTAL		0.00
KELLY PIPE CO	**49.00**	
SOLD IN PART TO STATE OF CALIFORNIA	-16.30	
SOLD IN PART TO KAHLERT, ET AL	-18.90	
SOLD IN PART TO SPARKLETTS DRINKING WATER CORP	-13.80	
TOTAL		0.00
KINDER MORGAN LIQUIDS TERMINALS, LLC,		
SUCCESSOR TO GATX TANK STORAGE TERMINALS CORP.	167.00	167.00
KITA, ISAMU, KASUO, AND YOSHIKI R	32.60	
SOLD TO DON WILSON BUILDERS	-32.60	
TOTAL		0.00
KURTZ, GLADYS	**3.50**	
SOLD TO SPARKLETTS DRINKING WATER CORP	-3.50	
TOTAL		0.00
LAGERLOF, STANLEY C		
SUCCESSOR TO LESLIE R FLESCH AND ANDOR PASTERNAK, ET AL	3.50	
SOLD TO SHELL OIL CO	-3.50	
TOTAL		0.00

LAWLER, JAMES K	3.10	
SOLD TO B ROBINSON AND ASSOC	-3.10	
TOTAL		0.00
LERMENS, EVELYN		
(FORMERLY LERMENS, ALFRED)	0.70	
SOLD TO COASTLINE CHURCH OF CHRIST	-0.70	
TOTAL		0.00
LEUZINGER, EMMA L	1.40	1.40
LISTON, LAWRENCE	0.70	
SOLD TO R AND L HARRIS	-0.70	
TOTAL		0.00
LITTLE, WILLIAM		
SUCCESSOR TO ROCKWELL, MICHAEL	0.10	
SOLD TO WATT INDUSTRIAL PROPERTIES	-0.10	
TOTAL		0.00
LOMITA, CITY OF WATER SYSTEM (WWD 13)	1,352.00	1,352.00
(FORMERLY LOS ANGELES COUNTY WATERWORKS DISTRICT NO 13)		
LONG BEACH, CITY OF	0.70	0.70
LOPES, FRANK	3.70	3.70
LOS ANGELES, CITY OF	1,503.00	1,503.00
LOS ANGELES COUNTY-ALONDRA PARK	26.70	
SUCCESSOR TO LOS ANGELES COUNTY FLOOD CONTROL DIST	39.00	
MERGED WITH LOS ANGELES COUNTY CHESTER L. WASHINGTON GOLF COURSE UNDER NEW NAME "LOS ANGELES COUNTY RECREATION FACILITIES"	-67.70	
TOTAL		0.00
LOS ANGELES COUNTY CHESTER L WASHINGTON GOLF COURSE		
(FORMERLY LOS ANGELES COUNTY WESTERN AVENUE GOLF COURSE)	*296.00*	
MERGED WITH LOS ANGELES COUNTY ALONDRA PARK UNDER NEW NAME "LOS ANGELES COUNTY RECREATION FACILITIES"	-296.00	
TOTAL		0.00
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	37.60	
SUCCESSOR IN PART TO A H SMITH, ET AL	1.40	
SOLD TO LOS ANGELES COUNTY - ALONDRA PARK	-39.00	
TOTAL		0.00
LOS ANGELES COUNTY RECREATION FACILITIES		
MERGER OF LOS ANGELES COUNTY ALONDRA PARK, AND	67.70	
LOS ANGELES COUNTY CHESTER L. WASHINGTON GOLF COURSE	296.00	
TOTAL		363.70
LOS ANGELES COUNTY SANITATION DIST NO 2	102.00	102.00
LOS ANGELES COUNTY WATERWORKS DISTRICT NO 13		
(NOW KNOWN AS LOMITA, CITY OF WATER SYSTEM WWD 13)		
LOS ANGELES COUNTY WATERWORKS DISTRICT NO 22	551.00	
SOLD TO SOUTHERN CALIF WATER CO	-551.00	
TOTAL		0.00
LOS ANGELES COUNTY WESTERN AVE GOLF COURSE		
(FORMERLY BOARD OF RETIREMENT OF THE LOS ANGELES COUNTY EMPLOYEES RETIREMENT SYSTEM)		
(NOW KNOWN AS LOS ANGELES CHESTER L WASH GOLF)		
LOYOLA MARYMOUNT UNIVERSITY		
(FORMERLY LOYOLA UNIVERSITY OF LOS ANGELES)	48.10	48.10
MANHATTAN BEACH, CITY OF	1,131.20	1,131.20
MANVILLE SALES CORP	881.00	
(FORMERLY: JOHNS-MANVILLE SALES CORP JOHNS-MANVILLE PRODUCTS CORP MANVILLE SERVICE)		
SOLD TO ATLANTIC RICHFIELD CO	-881.00	
TOTAL		0.00
MANVILLE SERVICE CORP		
(SEE JOHNS-MANVILLE SALES CORP)		
MARTIN BROTHERS BOX CO, INC	3.40	
SOLD TO SOUTHWEST STEEL ROLLING MILLS	-3.40	
TOTAL		0.00
MAYFLOWER NURSERIES	0.00	0.00
(HERBERT SAKAYE FUKUWAI, DBA)		
MCCANDLESS, JAMES	6.70	
SOLD TO SPARKLETTS DRINKING WATER CORP	-6.70	
TOTAL		0.00
MCDONNELL DOUGLAS CORP		
(FORMERLY DOUGLAS AIRCRAFT, CO INC)		
LONG TERM LEASE FROM UNITED STATES NAVY DEPARTMENT	1.70	1.70
MOBIL OIL CORP		
(FORMERLY SOCONY MOBIL OIL CO)	2,570.00	
SUCCESSOR TO SUPERIOR OIL CO	26.40	
TOTAL		2,596.40
MONETA MUTUAL WATER CO	916.00	
SOLD TO CITY OF TORRANCE	-916.00	
TOTAL		0.00
MONIZ, JOE JR	2.20	
SOLD TO STATE OF CALIFORNIA	-2.20	
TOTAL		0.00
MONTROSE CHEMICAL CORPORATION OF CALIFORNIA		
SUCCESSOR TO CARSON-HARBOR VILLAGE MOBILE HOME PARK (9-28-2011)	1.20	1.20
MORAN, RONALD E		
SUCCESSOR IN PART TO COLUMBIA BROADCASTING SYSTEM, INC	9.00	
SOLD TO CITY OF TORRANCE	-9.00	
TOTAL		0.00
MORI, ROY H AND KENJI		
SECOND WEST COAST BASIN JUDGMENT	5.60	
SOLD TO NOZAKI, SUMIKICHI	-2.00	
TOTAL		3.60
MURDOCK, GEORGE R		
SUCCESSOR IN PART TO ISABELA J GRANZ	15.12	
SOLD IN PART TO R BARCLAY AND R A WATT	-13.75	
SOLD IN PART TO CITY OF INGLEWOOD	-1.37	
TOTAL		0.00
MYRON Z. CHLAVIN AND NETTIE DESSER TRUST AND JHD PROPERTIES, LLC		
SUCCESSOR TO DESSER ENTERPRISES, INC.	0.00	0.00
NAKANO, KIKUNO, ET AL	19.30	
SOLD TO DOMINGUEZ WATER CORP	-19.30	
TOTAL		0.00
NAVARRO, T C	53.90	
SOLD TO HILARIO S AND EMMA ALWAG	-53.90	
TOTAL		0.00
NORAIR, A DIVISION OF NORTHROP CORP		
(FORMERLY KNOWN AS NORTHROP AIRCRAFT, INC)		
(NOW KNOWN AS NORTHROP CORP)		
NORMANDIE PARK		
SUCCESSOR TO COLLISTER, CAMERON	136.82	
SOLD TO CITY OF TORRANCE	-136.82	
TOTAL		0.00
NORTHROP CORP		
(FORMERLY KNOWN AS NORAIR, A DIV OF NORTHROP CORP)	38.15	38.15
NOZAKI, SUMIKICHI		
SUCCESSOR IN PART TO MORI, ROY H AND KENJI	2.00	
SUCCESSOR IN PART TO UNITED CALIFORNIA BANK	5.00	
TOTAL		7.00
OSBORN, EMMA J		
SUCCESSOR IN PART TO ISABELA J GRANZ	32.66	
SOLD TO R BARCLAY AND R A WATT	-32.66	
TOTAL		0.00
OTANI, CHISATO	0.00	0.00
PACIFIC CREST CEMETERY CO	17.70	
SUCCESSOR TO H S SCOTT	9.50	
SUCCESSOR TO WADA, KAORU AND SATORU	12.20	
TOTAL		39.40
PALOS VERDES BEGONIA FARM		
SUCCESSOR TO GUS A BAUMAN	0.00	0.00
PALOS VERDES WATER CO	999.00	
SOLD TO CALIFORNIA WATER SERVICE CO	-999.00	
TOTAL		0.00
PARK WATER CO	160.00	
SOLD TO SOUTHERN CALIFORNIA WATER	-160.00	
TOTAL		0.00
PARKE, ZORAIDA	1.80	
SOLD TO H L PERRY	-1.80	
TOTAL		0.00
PASCHKE, WILLIAM JOSEPH	0.02	
ABANDONED WATER RIGHT	-0.02	
TOTAL		0.00
PERRY, H L		
SUCCESSOR TO ZORAIDA PARKE	1.80	
SOLD TO HARRY C JENKINS	-1.80	
TOTAL		0.00
PHILLIPS 66 COMPANY		
(FORMERLY CONOCOPHILLIPS COMPANY)	6,170.00	
PHILLIPS PETROLEUM CO	167.00	
(FORMERLY TIDEWATER OIL CO)		
SOLD TO GATX TANK STORAGE TERM CORP	-167.00	
TOTAL		6,170.00
POTHOS CORP		
SUCCESSOR TO INOSE ET AL	5.40	
SOLD TO EVERGREEN AMERICA CORP	-5.40	
TOTAL		0.00
REHOR, JOSEPHINE P	2.20	2.20
REIFSNYDER, JEANETTE R		
(NOW KNOWN AS JEANNETTE R HEYDENBECK)		
RHODIA, INC		
(NOW KNOWN AS SOLVAY USA INC.)		
SUCCESSOR TO RHONE-POULENC INC		
RHONE-POULENE BASIC CHEMICALS CO		
SUCCESSOR TO STAUFFER CHEMICAL CO	521.00	

SOLD TO RHONE-POULENE INC	-521.00	
TOTAL		0.00
RHONE-POULENC INC		
SUCCESSOR TO RHONE-POULENC, BASIC CHEMICALS CO	521.00	
SOLD TO RHODIA, INC	-521.00	
TOTAL		0.00
RICHFIELD OIL CORP		
(NOW KNOWN AS ATLANTIC RICHFIELD CO)		
ROBINSON, B, AND ASSOCIATES		
SUCCESSOR TO JAMES K LAWLER	3.10	
SOLD IN PART TO HARRIS TUBE, INC	-0.70	
SOLD IN PART TO SOUTHERN CALIFORNIA WATER CO	-2.40	
TOTAL		0.00
ROCKWELL, MICHAEL L		
SUCCESSOR TO BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST B 1-51)	0.10	
SOLD TO LITTLE, WILLIAM	-0.10	
TOTAL		0.00
RODRIGUEZ, FLAVIO	6.10	
SOLD TO STATE OF CALIFORNIA	-4.00	
DISCLAIMED WATER RIGHT	-2.10	
TOTAL		0.00
ROMAN CATHOLIC ARCHBISHOP OF LOS ANGELES (HOLY CROSS CEMETERY)	72.30	72.30
RUFFNER CORP		
SUCCESSOR TO LOUIS M SEPULVEDA	0.70	
ABANDONED WATER RIGHT	-0.70	
TOTAL		0.00
RYAN AERONAUTICAL CO	20.20	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-20.20	
TOTAL		0.00
SANTA FE LAND IMPROVEMENT CO	39.50	
SOLD TO HILLSIDE MEMORIAL PARK	-39.50	
TOTAL		0.00
SCANDA, JAMES AND GEORGE NASSIN	1.90	
SOLD TO DONALD G HUNT	-1.90	
TOTAL		0.00
SCHLAEGEL, KEITH W AND OPAL B	13.60	
SOLD TO SIDNEY R AND CHARLOTTE W TITLE	-13.60	
TOTAL		0.00
SCOTT, H S		
SUCCESSOR TO W F BURKE AND LOIS PRICE	9.50	
QUITCLAIMED TO PACIFIC CREST CEMETERY CO	-9.50	
TOTAL		0.00
SEABACK, ALFRED D AND RUTH	3.50	
SOLD TO LESLIE R FLESH AND OR PASTERNAK, ET AL	-3.50	
TOTAL		0.00
SEPULVEDA, LOUIS M	0.70	
ACQUIRED BY RUFFNER CORP	-0.70	
TOTAL		0.00
SHEETS, ESTHER M		
(FORMERLY CLYDE L SHEETS)		
(SEE DENNIS, ESTHER M SHEETS)		
SHELL OIL CO	4,516.00	
SUCCESSOR TO LAGERLOF, STANLEY C	3.50	
SOLD IN PART TO UNION OIL CO OF CAL	-1,974.00	
SOLD IN PART TO UNION OIL CO OF CAL	-1,526.00	
TOTAL		1,019.50
SHELL OIL PRODUCTS US		
SUCCESSOR TO EQUILON ENTERPRISES, LLC	3,432.00	
SOLD TO TESORO REFINING AND MARKETING COMPANY	-3,432.00	
TOTAL		0.00
SHINODA BROTHERS, INC		
SECOND WEST COAST BASIN JUDGMENT	22.50	
SOLD TO GARRETT CORP, THE	-22.50	
TOTAL		0.00
SMITH, A H,(SAM SURBER AND FREDA SMITH)	9.70	
SOLD IN PART TO STATE OF CALIFORNIA	-2.60	
SOLD IN PART TO GRAND LAND CO	-5.70	
SOLD IN PART TO L A CO FLOOD CONTROL DISTRICT	-1.40	
TOTAL		0.00
SOCONY MOBIL OIL CO		
(SEE MOBIL OIL CO)	10.40	
SOLVAY USA INC.		
(FORMERLY RHODIA, INC.)	521.00	
TOTAL		521.00
SOUTHERN CALIFORNIA EDISON CO		
SUCCESSOR TO ASSOCIATED SOUTHERN INVESTMENT CO	46.70	
TOTAL		57.10
SOUTHERN CALIFORNIA WATER CO	6,265.30	
SUCCESSOR TO EWING, CARMELITA ROSECRANS	91.30	
SUCCESSOR TO LOS ANGELES COUNTY WATERWORKS DIST NO 22	551.00	
SUCCESSOR TO PARK WATER CO	160.00	
SUCCESSOR TO RYAN AERONAUTICAL CO	20.20	
SUCCESSOR TO SOUTHERN PACIFIC CO	166.00	
SUCCESSOR IN PART TO OWEN W CURTIS	3.44	
SUCCESSOR IN PART TO B ROBINSON AND ASSOCIATES	2.40	
SUCCESSOR TO WESTERN WATER SERVICE COMPANY	242.60	
NAME CHANGE TO GOLDEN STATE WATER COMPANY	-7,502.24	
TOTAL		0.00
SOUTHERN PACIFIC CO	166.00	
SOLD TO SO CALIFORNIA WATER CO	-166.00	
TOTAL		0.00
SOUTHERN WESTERN PORTLAND CEMENT COMPANY	15.00	
SOLD TO CHANDLERS PALOS VERDES AND GRAVEL CORP	-15.00	
TOTAL		0.0
SOUTHWEST STEEL ROLLING MILLS		
SUCCESSOR TO MARTIN BROTHERS BOX CO, INC	3.40	
SOLD TO COAST FOREST PRODUCTS	-3.40	
TOTAL		0.00
SPANISH AMERICAN INSTITUTE	44.40	
SOLD TO FUTURA INDUSTRIES, INC	-44.40	
TOTAL		0.00
SPARKLETTS DRINKING WATER CORP		
SUCCESSOR TO ANDERSON, REMBERT C, ET AL	80.60	
SUCCESSOR TO CALIFORNIA, STATE OF	26.10	
SUCCESSOR TO KAHLERT, ET AL	18.90	
SUCCESSOR TO KURTZ, GLADYS	3.50	
SUCCESSOR TO MCCANDLESS, JAMES	6.70	
SUCCESSOR TO WECHSLER, B A	3.10	
SUCCESSOR IN PART TO KELLY PIPE CO	13.80	
SOLD TO WESTERN WATER CO	-152.60	
TOTAL		0.00
STANDARD OIL CO OF CALIFORNIA		
(NOW KNOWN AS CHEVRON U S A, INC)		
STAUFFER CHEMICAL CO	521.00	
SOLD TO RHONE-POULENC BASIC CHEMICALS CO	-521.00	
TOTAL		0.00
SUNRISE GROWERS, INC		
SUCCESSOR TO AMERICAN PLANT GROWERS INC	10.00	
SOLD TO AMERICAN PLANT GROWERS, INC	-10.00	
TOTAL		0.00
SUPERIOR OIL CO		
SUBJECT TO LONG TERM LEASE FROM ISABELA J GRANZ	26.40	
SOLD TO MOBIL OIL CORP	-26.40	
TOTAL		0.00
SWICK, PEGGY	5.50	
SOLD TO HILARIO AND EMMA ALWAG	-5.50	
TOTAL		0.00
TESORO REFINING AND MARKETING COMPANY		
SUCCESSOR TO SHELL OIL PRODUCTS US (NOW KNOWN AS TESORO REFINING & MARKETING COMPANY LLC)		
TESORO REFINING & MARKETING COMPANY LLC		
(FORMERLY TESORO REFINING AND MARKETING COMPANY)	3,432.00	
SUCCESSOR TO ATLANTIC RICHFIELD COMPANY (6-13-2013)	5,309.00	8,741.00
TEXACO, INC		
(NOW KNOWN AS TEXACO REFINING AND MARKETING, INC)		
TEXACO REFINING AND MARKETING, INC	3,432.00	
(FORMERLY: TEXACO, INC)		
SOLD TO EQUILON ENTERPRISES, LLC	-3,432.00	
TOTAL		0.00
THAXTER, RALPH AND LOIS A LENOIR	3.50	
SOLD TO KENICHI INOSE	-3.50	
TOTAL		0.00
THORPE, GREGORY		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	
SOLD TO DOMINGUEZ WATER CORP	-11.80	
TOTAL		0.00
THORPE, TERRENCE		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	
SOLD TO HILLSIDE MEMORIAL PARK	-11.80	
TOTAL		0.00
TIDEWATER OIL CO		
(SEE PHILLIPS PETROLEUM CO)		
TITLE, SIDNEY R AND CHARLOTTE W		
SUCCESSOR TO KEITH W AND OPAL B	13.60	

SCHLAEGE L		
SOLD TO ABC NURSERY, INC	-13.60	
TOTAL		0.00
TORRANCE, CITY OF	2,519.00	
SUCCESSOR TO BARCLAY HOLLANDER CORP	3.33	
SUCCESSOR TO BARCLAY, RICHARD AND WATT, R A	59.96	
SUCCESSOR TO BELVIDERE MUTUAL WATER CO	33.40	
SUCCESSOR TO DENNIS, ESTHER M SHEETS	5.50	
SUCCESSOR TO ALCAST FOUNDRY ET AL	7.20	
SUCCESSOR TO GONZALES, GABRIELA AND MARIA R	34.30	
SUCCESSOR TO JONES, ANNA MAE	50.20	
SUCCESSOR TO MONETA WATER CO	916.00	
SUCCESSOR TO MORAN, RONALD E	9.00	
SUCCESSOR TO NORMANDIE PARK	136.82	
SUCCESSOR TO TORRANCE UNIFIED SCHOOL DISTRICT	59.40	
SUCCESSOR TO UNITED STATES STEEL CORP	1,791.00	
SUCCESSOR TO WATT, R A, INC	13.75	
TOTAL		5,633.66
TORRANCE SAND AND GRAVEL CORP		
SUCCESSOR TO WESTON INVESTMENT CO	184.00	
SOLD TO CHANDLERS PALOS VERDES SAND AND GRAVEL CORP	-184.00	
TOTAL		0.00
TORRANCE UNIFIED SCHOOL DISTRICT		
SUCCESSOR TO HILARIO S AND EMMA ALWAG	59.40	
SOLD TO CITY OF TORRANCE	-59.40	
TOTAL		0.00
TOSCO CORP		
SUCCESSOR TO UNION OIL CO OF CALIF	6,170.00	
MERGED INTO CONOCOPHILLIS COMPANY	-6,170.00	
TOTAL		0.00
TUNE, MATES, ET AL		
SUCCESSOR TO JOSEPHINE WATKINSON	3.10	
SOLD TO B A WECHSLER	-3.10	
TOTAL		0.00
UNION NURSERY, INC		
SECOND WEST COAST BASIN JUDGMENT	4.70	
SOLD TO CENTURY BUILDERS	-4.70	
TOTAL		0.00
UNION OIL CO OF CALIFORNIA	2,670.00	
SUCCESSOR IN PART TO SHELL OIL CO	1,974.00	
SUCCESSOR IN PART TO SHELL OIL CO	1,526.00	
SOLD TO TOSCO CORP	-6,170.00	
TOTAL		0.00
UNITED CALIFORNIA BANK		
SUCCESSOR TO BALLMAN, ROSEMARY N	7.00	
SOLD TO A B C NURSERY, INC	-2.00	
SOLD TO NOZAKI, SUMIKICHI	-5.00	
TOTAL		0.00
UNITED STATES NAVY DEPARTMENT	1.70	
LONG TERM LEASE TO MCDONNELL DOUGLAS CORP PER JUDGEMENT	-1.70	
TOTAL		0.00
UNITED STATES STEEL CORP	1,791.00	
SOLD TO TORRANCE, CITY OF	-1,791.00	
TOTAL		0.00
VERBURG, WILLIAM AND CLARA B	6.70	
SOLD TO ABC NURSERY, INC	-6.70	
TOTAL		0.00
VUKELICH MIKE, JR.		
SUCCESSOR TO AMERICAN PLANT GROWERS, INC.	10.00	10.00
	12.20	
WADA, KAORU AND SATORU		
SOLD TO PACIFIC CREST CEMETERY CO	-12.20	
TOTAL		0.00
WATKINSON, JOSEPHINE	3.10	
SOLD TO MATES TUNE, ET AL	-3.10	
TOTAL		0.00
WATSON LAND CO	42.60	
SUCCESSOR IN PART TO DOMINGUEZ WATER CORP	37.60	
TOTAL		80.20
WATT INDUSTRIAL PROPERTIES		
SUCCESSOR TO WILLIAM LITTLE	0.10	0.10
WATT, R A, INC		
SUCCESSOR TO NED EWING, ET AL	6.50	
SUCCESSOR IN PART TO ISABELA J GRANZ ESTATE	13.75	
SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH	55.35	
SOLD TO DOMINGUEZ WATER CORP	-61.85	
SOLD TO CITY OF TORRANCE	-13.75	
TOTAL		0.00
WECHSLER, B A		
SUCCESSOR TO MATES TUNE, ET AL	3.10	
SOLD TO SPARKLETTS DRINKING WATER CORP	-3.10	
TOTAL		0.00
WESTERN WATER CO		
SUCCESSOR TO FLETCHER OIL AND REFINING CO	90.00	
SUCCESSOR TO SPARKLETTS DRINKING WATER CORP	152.60	
SOLD TO WESTERN WATER SERVICES CO	-242.60	
TOTAL		0.00
WESTERN WATER SERVICES CO *		
SUCCESSOR TO WESTERN WATER CO.	242.60	
SOLD TO SOUTHERN CALIFORNIA WATER COMPANY	-242.60	0.00
WESTON INVESTMENT CO	184.00	
SOLD TO TORRANCE SAND AND GRAVEL CORP	-184.00	
TOTAL		0.00
WISEBURN SCHOOL DISTRICT	8.20	0.20
WOODMAN, KATHERINE P		
(SEE FRED A JUNGQUIST)		
ZEIGLER, MAXWELL T	0.00	0.00
GRAND TOTAL	64,468.25	64,468.25

WEST COAST BASIN JUDGMENT-1961
SECOND WEST COAST BASIN JUDGMENT
CURRENT WATER RIGHT HOLDERS

* WESTERN WTR. SERV.CO. – PARTY WITH ZERO ADJUDICATED RIGHTS FOR THE DURATION OF LONG TERM LEASE AGREEMENT WITH CHEVRON (ENDED JUNE 30, 2013)

Attachment T

Summary BMP Performance Data

PAGE INTENTIONALLY LEFT BLANK

This attachment includes tables summarizing the existing Best Management Practice (BMP) performance data obtained from the sources listed below, corresponding with Section 4.4 of the Dominguez Channel Watershed Management Group (DC WMG) Enhanced Watershed Management Program (EWMP):

- CASQA Development and Municipal BMP Handbooks
- California Department of Transportation (Caltrans) BMP Retrofit Pilot Program Report
- Center for Watershed Protection's National Pollutant Removal Performance Database Version 3
- Priority A and B Catch Basin Cleanout Data

The table associated with the CASQA Development and Municipal BMPs handbook provides a general summary of BMP performance within Southern California, while the tables associated with the other sources provides site specific performance data based on site specific testing. This information is provided for reference only.

Attachment T List of Tables

PAGE INTENTIONALLY LEFT BLANK

Table T.1: Treatment Control BMP Removal Efficiency Per CASQA and BMP Handbooks

Pollutant of Concern	Treatment Control BMPs				
	Vegetated Swale / Strip	**Catch Basin Screen / Insert**	**Hydrodynamic Separator**	**Infiltration Basin / Trench**	**Bioswale**
Sediment/ Turbidity/ Suspended Solids/ PH	High/Medium	High/Medium	High/Medium Low for Turbidity	High/Medium	High/Medium
Nutrients	Low	Low	Low	High/Medium	Low
Organic Compounds	Medium/Low	Low	Low	High/Medium	Medium
Trash & Debris	Low	High/Medium	High/Medium	High/Medium	Low
Oxygen Demanding Substances	Low	Low	Low	High/Medium	Low
Pathogens (Bacteria/ Viruses)	Low	Low	Low	High/Medium	low
Oil & Grease	High/Medium	Medium	Medium/Low	High/Medium	High/Medium
Pesticides/PCBs	Medium	Low	Low	High/Medium	Medium
Metals	High/Medium	Medium	Low	High	High/Medium

PAGE INTENTIONALLY LEFT BLANK

Table T.2: Treatment Control BMP Pollutant Removal Efficiency

Pollutant of Concern	Caltrans BMP Retrofit Pilot Program Concentration Percent Reduction (%)													
	Austin Sand Filter	Delaware Sand Filter	Extended Detention Basin (Unlined)	Extended Detention Basin (Lined)	Wet Basin Storm (Wet Weather)	Wet Basin Base flow (Wet Weather)	Bioswale	Biofiltration Strip	Storm-Filter™	Multi-Chambered Treatment Train	Continuous Deflective Separators (CDS®)	StreamGuard™ Inlet Insert	FossilFilter™ Inlet Insert	Oil Water Separator
Total Suspended Solids	90	81	72	40	94	21	49	69	40	75	0	3	14	49
NO_3-N	-67	-142	8	8	77	49	27	-30	-7	-68	15	----	----	----
TKN	53	36	17	16	27	-11	31	-5	19	17	0	----	----	----
Total N[A]	32	9	14	14	51	43	30	-10	13	0	5	----	----	----
Ortho-phosphate	24	11	-22	10	-266	-24	-218	-216	9	-3	0	----	----	----
Particulate P	----	----	39	16	----	----	----	----	----	----	----	----	----	----
Phosphorus	39	44	39	15	5	49	-106	-46	17	18	15	----	----	----
Total Cu	50	66	58	27	89	54	63	85	53	35	8	0	2	2
Total PB	87	85	72	30	98	62	68	88	52	74	11	1	7	7
Total Zn	80	92	73	54	91	62	77	72	51	75	17	1	2	2
Particulate Cu	----	----	76	50	----	----	----	----	----	----	----	----	----	----
Particulate Pb	----	----	74	55	----	----	----	----	----	----	----	----	----	----
Particulate Zn	----	----	84	65	----	----	----	----	----	----	----	----	----	----
Dissolved Cu	7	40	0	8	57	90	49	65	18	22	16	----	----	----
Dissolved Pb	40	31	29	42	76	22	57	65	15	32	6	----	----	----
Dissolved Zn	61	94	16	39	41	45	74	53	18	71	14	----	----	----
TPH-Oil[B]	31	55	18	11	38	33	51	59	52	70	34	----	----	14
TPH-Gasoline[B]	----	----	----	----	----	----	----	----	----	----	0	----	----	----
TPH-Diesel[B]	22	47	32	0	91	75	69	66	67	80	0	----	----	52
Fecal Coliform[B]	72	79	-122	-12	99	99	-30	92	47	14	-121	----	----	----
Hydrocarbons	----	----	----	----	----	----	----	----	----	----	----	2	0	----
Oil & Grease	----	----	----	----	----	----	----	----	----	----	----	----	----	89

(-) data above indicates an increase in pollutant of concern upon treatment.

[A] Sum of NO_3-N and TKN

[B] TPH and Coliform are collected by grab method and may not accurately reflect removal.

PAGE INTENTIONALLY LEFT BLANK

Table T.3: Treatment Control BMP Removal Efficiency Per Center for Watershed Protection

Pollutant of Concern	Treatment Control BMPs Average Percentage Removed (%)						
	Dry Pond	Wet Pond	Wetlands	Filters	Bioretention	Infiltration	Open Channels
Total Suspended Solids (TSS)	49	80	72	86	59	89	81
Total Phosphorus (TP)	20	52	48	59	5	65	24
Soluble Phosphorus (Sol P)	-3	64	25	3	-9	85	-38
Total Nitrogen (TN)	24	31	24	32	46	42	56
Nitrogen as Nitrate (NOx)	9	45	67	-14	43	0	39
Copper (Cu)	29	57	47	37	81	86	65
Zinc (Zn)	29	64	42	87	79	66	71
Bacteria	88	70	78	37	N/A	N/A	-25

PAGE INTENTIONALLY LEFT BLANK

Table T.4: Catch Basin Trash Removal Totals				
Jurisdiction	Dominguez Channel Watershed			
	Number of City Catch Basins	Number of County Catch Basins	Total City Trash Removed	Total County Trash Removed
			Tons	Tons
2010-2011[1]				
El Segundo	0	159	0.00	1.78
Hawthorne	118	823	1.32	9.23
Inglewood	41	549	0.00	6.16
Lomita	41	215	0.46	2.41
Los Angeles	0	1,221	0.00	13.69
Los Angeles County	0	1,347	0.00	15.11
Total/Average:	**159**	**4,314**	**1.78**	**48.38**
2011-2012[1]				
El Segundo	0	159	0.00	1.39
Hawthorne	118	824	1.03	7.19
Inglewood	0	549	0.00	4.79
Lomita	41	215	0.36	1.88
Los Angeles	0	1,221	0.00	10.65
Los Angeles County	0	1,342	0.00	11.71
Total/Average:	**159**	**4,310**	**1.39**	**37.61**

[1] An average of 22.43 lbs of trash per catch basin was removed.
[2] An average of 17.45 lbs of trash per catch basin was removed.

PAGE INTENTIONALLY LEFT BLANK

Attachment U

Cost Estimates

PAGE INTENTIONALLY LEFT BLANK

Regional Project Cost Estimates

PAGE INTENTIONALLY LEFT BLANK

Darby Park Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$396,000	$396,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$99,000	$99,000
Subtotal:				**$520,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$396,000	$396,000
Subtotal:				**$396,000**
Construction				
Mobilization (10%)	LS	1	$360,000	$360,000
Excavation	CY	21,000	$6	$126,000
Fill	CY	10,000	$6	$60,000
Soil Export	CY	12,000	$25	$300,000
Landscaping and Irrigation	SF	29,000	$2	$58,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	100	$200	$20,000
Storage (Pipes)	GAL	1,710,000	$1.75	$2,993,000
Contingency (25%)	LS	1	$990,000	$990,000
Subtotal:				**$4,947,000**
Total:				**$5,863,000**

El Segundo Pump Station Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$109,000	$109,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$28,000	$28,000
Subtotal:				**$162,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$109,000	$109,000
Subtotal:				**$109,000**
Construction				
Mobilization (10%)	LS	1	$99,000	$99,000
Excavation	CY	29,000	$6	$174,000
Soil Export	CY	29,000	$25	$725,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	240	$200	$48,000
Contingency (25%)	LS	1	$272,000	$272,000
Subtotal:				**$1,086,000**
Total:				**$1,357,000**

Ramona Park Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$1,410,000	$1,410,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$353,000	$353,000
Subtotal:				**$1,788,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$1,410,000	$1,410,000
Subtotal:				**$1,410,000**
Construction				
Mobilization (10%)	LS	1	$1,282,000	$1,282,000
Excavation	CY	77,000	$6	$462,000
Fill	CY	41,000	$6	$246,000
Soil Export	CY	37,000	$25	$925,000
Landscaping and Irrigation	SF	52,000	$2	$104,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	680	$200	$136,000
Storage (Concrete)	LS	6,230,000	$1.75	$10,903,000
Contingency (25%)	LS	1	$3,525,000	$3,525,000
Subtotal:				**$17,623,000**
Total:				**$20,821,000**

Jim Thorpe Park Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$1,227,000	$1,227,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$307,000	$307,000
Subtotal:				**$1,559,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$1,116,000	$1,116,000
Subtotal:				**$1,116,000**
Construction				
Mobilization (10%)	LS	1	$1,116,000	$1,116,000
Excavation	CY	90,000	$6	$540,000
Fill	CY	55,000	$6	$330,000
Soil Export	CY	36,000	$25	$900,000
Landscaping and Irrigation	SF	87,000	$2	$174,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	170	$200	$34,000
Storage (Pipes)	GAL	5,220,000	$1.75	$9,135,000
Contingency (25%)	LS	1	$3,068,000	$3,068,000
Subtotal:				**$15,337,000**
Total:				**$18,012,000**

Hawthorne Memorial Park Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$641,000	$641,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$161,000	$161,000
Subtotal:				**$827,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$583,000	$583,000
Subtotal:				**$583,000**
Construction				
Mobilization (10%)	LS	1	$583,000	$583,000
Excavation	CY	36,000	$6	$216,000
Fill	CY	19,000	$6	$114,000
Soil Export	CY	18,000	$25	$450,000
Landscaping and Irrigation	SF	36,000	$2	$72,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	1,300	$200	$260,000
Storage (Pipes)	GAL	2,671,000	$1.75	$4,675,000
Contingency (25%)	LS	1	$1,603,000	$1,603,000
Subtotal:				**$8,013,000**
Total:				**$9,423,000**

Chester L. Washington Golf Course Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$4,039,000	$4,039,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% of Design)	LS	1	$1,010,000	$1,010,000
Subtotal:				**$5,074,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$4,039,000	$4,039,000
Subtotal:				**$4,039,000**
Construction				
Mobilization (10%)	LS	1	$3,672,000	$3,672,000
Excavation	CY	336,000	$6	$2,016,000
Fill	CY	232,000	$6	$1,392,000
Soil Export	CY	104,000	$25	$2,600,000
Landscaping and Irrigation	SF	238,000	$2	$476,000
Diversion Structure	EA	2	$40,000	$80,000
Diversion Pipe	LF	880	$200	$176,000
Storage (Pipes)	GAL	8,510,000	$1.75	$14,893,000
Storage (Concrete)	GAL	8,620,000	$1.75	$15,085,000
Contingency (25%)	LS	1	$10,098,000	$10,098,000
Subtotal:				**$50,488,000**
Total:				**$59,601,000**

Harbor City Park Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$5,760,000	$5,760,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$1,440,000	$1,440,000
Subtotal:				**$7,225,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$5,760,000	$5,760,000
Subtotal:				**$5,760,000**
Construction				
Mobilization (10%)	LS	1	$5,236,000	$5,236,000
Excavation	CY	240,000	$6	$1,440,000
Fill	CY	83,000	$6	$498,000
Soil Export	CY	158,000	$25	$3,950,000
Landscaping and Irrigation	SF	186,000	$2	$372,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	80	$200	$16,000
Storage (Concrete)	GAL	26,310,000	$1.75	$46,043,000
Contingency (25%)	LS	1	$14,399,000	$14,399,000
Subtotal:				**$71,994,000**
Total:				**$84,979,000**

Wilmington Recreation Center Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$981,000	$981,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$246,000	$246,000
Subtotal:				**$1,252,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$892,000	$892,000
Subtotal:				**$892,000**
Construction				
Mobilization (10%)	LS	1	$892,000	$892,000
Excavation	CY	67,000	$6	$402,000
Fill	CY	40,000	$6	$240,000
Soil Export	CY	27,000	$25	$675,000
Landscaping and Irrigation	SF	52,000	$2	$104,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	470	$200	$94,000
Storage (Concrete)	GAL	4,204,000	$1.75	$7,357,000
Contingency (25%)	LS	1	$2,451,000	$2,451,000
Subtotal:				**$12,255,000**
Total:				**$14,399,000**

Averill Park Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$1,726,000	$1,726,000
Permits	LS	1	$25,000	$25,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$432,000	$432,000
Subtotal:				**$2,183,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$1,726,000	$1,726,000
Subtotal:				**$1,726,000**
Construction				
Mobilization (10%)	LS	1	$1,569,000	$1,569,000
Excavation	CY	189,000	$6	$1,134,000
Fill	CY	142,000	$6	$852,000
Soil Export	CY	48,000	$25	$1,200,000
Landscaping and Irrigation	SF	116,000	$2	$232,000
Diversion Structure	LS	1	$40,000	$40,000
Diversion Pipe	LF	60	$200	$12,000
Storage (Pipes)	GAL	6,980,000	$1.75	$12,215,000
Contingency (25%)	LS	1	$4,314,000	$4,314,000
Subtotal:				**$21,568,000**
Total:				**$25,477,000**

PAGE INTENTIONALLY LEFT BLANK

Green Street Cost Estimate

PAGE INTENTIONALLY LEFT BLANK

Green Street Cost Estimate for 1,000 Linear Feet in One Lane				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$17,000	$17,000
Permits	LS	1	$5,000	$5,000
Environmental Assessment (CEQA) (25% Design)	LS	1	$5,000	$5,000
Subtotal:				**$27,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$31,000	$31,000
Subtotal:				**$31,000**
Construction				
Mobilization (10%)	LS	1	$31,000	$31,000
Excavation	CY	2230	$6	$13,400
Soil Export	CY	1780	$25	$44,500
AC Demo	SY	1600	$40	$64,000
Reconstruct AC	TONS	510	$125	$63,800
Crushed Misc Base	CY	270	$70	$18,900
Pipe System for Capture	LF	500	$200	$100,000
Gravel	TONS	1	$70	$100
Contingency (25%)	LS	1	$84,000	$84,000
Subtotal:				**$419,700**
Total:				**$477,700**

PAGE INTENTIONALLY LEFT BLANK

Injection Wells Cost Estimate

PAGE INTENTIONALLY LEFT BLANK

Injection Wells Cost Estimate				
Description	**Unit**	**Quantity**	**Unit Price**	**Item Total**
Engineering				
Design Plan and Specifications (10%)	LS	1	$110,000	$110,000
Permits	LS	1	$500	$500
Environmental Assessment (CEQA) (25% Design)	LS	1	$27,500	$27,500
Subtotal:				**$138,000**
Construction Support				
Construction Administration and Inspections (10%)	LS	1	$100,000	$100,000
Subtotal:				**$100,000**
Construction				
Mobilization (10%)	LS	1	$100,000	$100,000
Injection Well	EA	1	$1,000,000	$1,000,000
Contingency (25%)	LS	1	$275,000	$275,000
Subtotal:				**$1,375,000**
Total:				**$1,613,000**

PAGE INTENTIONALLY LEFT BLANK

Attachment V

Funding

PAGE INTENTIONALLY LEFT BLANK

TECHNICAL MEMORANDUM

To: Dominguez Channel Watershed Management Group

From: Team Dominguez

Date: 3/13/2015

Subject: **Dominguez Channel Watershed Management Plan Funding Strategy - DRAFT**

1 Introduction

The following memorandum identifies existing funding sources for stormwater related projects, eligibility requirements for each grant or low-cost loan program, and a description of the associated application process.

The Dominguez Channel Watershed Management Group Area ("WMGA") has opted to develop an Enhanced Watershed Management Plan ("EWMP") to meet newly adopted Municipal Separate Stormwater Sewer System ("MS4") Permit requirements. The WMGA is comprised of the area within the DC watershed under the jurisdiction of the Cities of Los Angeles, El Segundo, Hawthorne, Inglewood, Lomita, and the Los Angeles County Department of Public Works (unincorporated Los Angeles County) and the Los Angeles County Flood Control District.

Within the DCWMGA, nine regional projects have been identified for inclusion in the EWMP Each of these projects will collect, store, and infiltrate a volume of water from the 85th Percentile storm from a catchment area. Some projects have the opportunity to use the stored water for irrigation at the park or property at which the project is sited.

In addition, the WMGA is considering the inclusion of a range of distributed projects to capture, infiltrate, evapotranspirate, use, or treat, the water not captured by the regional projects in order to achieve the pollutant load reduction objectives of the EWMP. The primary set of these projects consist of a substantial green street conversion program.

As a part of the EWMP process the WMGA must consider how the nine capital projects as well as the green street conversion projects will be funded. This report details available funding options, including grant programs and low cost financing programs at the state and federal level. The options available may be used to fund a portion of the capital projects, however other avenues will also need to be researched as a majority of the grant and loan programs require local matching funds.

Moreover, it is important to consider that California as a state needs significant funding to achieve all its clean water goals. The most recent Clean Watersheds Needs Survey in 2008 shows that California needs an estimated $30.0 billion for wastewater recycling, non-point source pollution elimination and stormwater pollution prevention over the next 20 years. With an estimated need for $30.0 billion in funding, available funding sources are drying up quickly and there is increased competition for the available funds. For the Dominguez Channel WMGA to be able to successfully fund the proposed projects a mix of both grant and loan funding as well as other revenue sources will need to be utilized.

2 Available Funding Options

The following section provides an overview of grant funding and low interest loan funding available through State and Federal programs. The agencies responsible for implementing and managing the programs each have their own set of guidelines and priorities for project selection and funding. The table below provides a summary of the available programs and the project selection criteria for each program.

Funding Source	**Priority Project Elements**									
	Drought Preparedness	Increase Local Water Supply	Conservation Programs	Water Quality	Pollution Reduction	Flood Management Programs	Drinking Water Protection	Ecosystem Protection	Restoration	Public Health/ Environmental Impact
EPA Section 319				X	X					
Proposition 1:										
Regional Water Security		X		X				X	X	
Flood Management		X		X				X	X	
Clean, Safe, Reliable Drinking Water		X		X			X	X	X	
Water Recycling		X		X				X	X	
Ecosystem and Watershed Protection		X		X				X	X	
Groundwater Sustainability		X		X				X	X	X
Water Storage Capacity		X		X				X	X	
Clean Beaches Initiatives				X	X			X	X	
TIGER Discretionary*				X						
Supplemental Environmental Project Funds:										
Federal			X	X	X					X
State			X	X	X			X	X	
Clean Water State Revolving Fund	X			X	X					X
California Infrastructure Development Bank – Infrastructure State Revolving Fund Program				X		X				
* Transportation projects that are coordinated with interdisciplinary factors including Stormwater and other infrastructure investments										

3 Grant Funding

3.1 Integrated Regional Water Management Plan

The Department of Water Resources (DWR) administers the Integrated Regional Water Management (IRWM) grant program. The IRWM grant program is designed to encourage integrated regional strategies for management of water resources and to provide funding for implementation projects that support integrated water management.

Of the funding options available through the IRWM grant program only the Implementation Program has funds available to be allocated. According to DWR's 2014 IRWM Drought Solicitation Integrated Regional Water Management Guidelines, issued in June 2014, both the Planning and the Stormwater Flood Management grant programs have fully allocated funds from available funding sources.

In 2014 the California state legislature passed SB 103 and SB 104, which accelerated the expenditure of the remaining $472.5 million in funds through the Implementation grant program. The program is meant to fund local and regional projects that are already planned or partially completed to increase local reliability, including recapturing of storm water, expanding the use and distribution of recycled water, enhancing the management and recharging of groundwater storage and strengthening water conservation. On October 30, 2014, DWR awarded $221 million out of the remaining $472.5 million to 27 proposals to fund projects costing more than $780 million. The remaining $251 million will be awarded in 2016 as a part of the final round of IRWM grant funding.

3.1.1 2014 IRWM Drought Solicitation Integrated Regional Water Management Guidelines

The guidelines for the final phase of IRWM funding have not yet been made available, however it is likely the guidelines for the final phase will be similar to the 2014 guidelines given California's lingering state of drought. The following sections provide a summary of the 2014 guidelines.

IRWM Grants are awarded on a competitive basis using specific criteria contained in the Proposal Solicitation Package (PSP) published by DWR. In addition to PSP specific requirements, applicants must follow eligibility and proposal guidelines issued by DWR. The 2014 IRWM Drought Guidelines incorporate new requirements and reflect the expedited nature of the 2014 IRWM Drought Grant Solicitation.

Eligibility Requirements

Local public agencies and non-profit organizations are eligible IRWM grant applicants. [1] Applications for IRWM grants must meet all of the eligibility criteria listed below in order to be considered for funding:

- The IRWM region where the project is located must have been accepted into the IRWM Grant Program
- Projects included in the proposal must be included in an IRWM plan

[1]For the IRWM Implementation Grant Program, the grant applicant is the agency submitting an application on behalf of an IRWM region and is the agency that would enter an agreement with the State, should the application be successful. At DWR's discretion, partner entities or IRWM stakeholders may be part of the proposal as a project proponent and access grant funding through their relationship with the grant applicant. Stakeholders as defined by CWC § 10541 include municipal and county governments and special districts.

- If they have not done so prior to submitting the proposal, project proponents must adopt the IRWM Plan
- Groundwater Management Plan (GWMP) compliance[2]
- Urban Water Management Plan Compliance[3]
- Agriculture Water Management Plan Compliance[4]
- Surface Water Diversion Reporting Compliance[5]
- AB1420 Water Demand Compliance[6]
- CWC §529.5 Water Meter Compliance[7]
- CWC §10920 Groundwater monitoring Compliance[8]

Eligible Project Types

Projects that are eligible to receive funds through the 2014 IRWM Drought Grant Solicitation must provide one of the following primary benefits:

- Immediate regional drought preparedness
- Increase local water supply reliability and the delivery of safe drinking water
- Assist water suppliers and regions to implement conservation programs and measures that are not locally cost-effective
- Reduce water quality conflicts or ecosystem conflicts created by the drought

Eligible projects must also yield multiple benefits; and include one or more of the following elements[9]:

- Water supply reliability, water conservation, and water use efficiency
- Stormwater capture, storage, clean-up treatment and management
- Removal of invasive non-native species, the creation and enhancement of wetlands, and the acquisition, protection, and restoration of open space and watershed lands
- Non-point source pollution reduction, management, and monitoring
- Groundwater recharge and management projects
- Contaminant and salt removal through reclamation, desalting, and other treatment technologies and conveyance of reclaimed water for distribution to users
- Water banking, exchange, reclamation, and improvement of water quality
- Planning and implementation of multipurpose flood management programs

[2] For groundwater projects or for projects that directly affect groundwater levels or quality, the applicant or project proponent must self certify that they have prepared and implemented a Groundwater Management Plan (GWMP), that they participate in a GWMP, or the proposal includes development of a GWMP.

[3] Water suppliers proposing a project who were required by the Urban Water Management Planning Act to submit an Urban Water Management Plan to DWR must comply with this requirement to qualify.

[4] This requirement is applicable to agricultural water suppliers

[5] A diverter of surface water must comply with surface water diversion reporting requirements codified in the California Water Code (CWC

[6] Urban water suppliers must implement water demand management measures described in CWC §10631.

[7] Applicants for wastewater treatment projects, water use efficiency projects, drinking water treatment projects shall demonstrate that they meet the water meter requirements in CWC §525

[8] Meet groundwater monitoring requirements set out in CWC §10920

[9] Defined by PRC §75026(a) as other benefit(s)

- Watershed protection and management
- Drinking water treatment and distribution
- Ecosystem and fisheries restoration and protection

Program Preferences

Proposals that include the following shall be given preference:

- Include regional projects or programs
- Effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the Regional Water Quality Control Board (RWQCB) region or subdivision; or other region or sub-region specifically identified by DWR
- Effectively resolve significant water-related conflicts within or between regions
- Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program
- Address critical water supply or water quality needs of Disadvantaged Community (DAC)
- Effectively integrate water management with land use planning
- Are part of an IRWM Plan that helps the region reduce reliance on the Sacramento-San Joaquin Delta for water supply (for IRWM regions that receive water from the Sacramento-San Joaquin Delta)
- Address statewide priorities

Minimum Funding Match Requirements

For IRWM Implementation Grants, including the 2014 IRWM Drought Grant solicitation, the minimum-funding match is 25%. Funding match may include, but is not limited to, federal funds, local funding, or donated services from non-state sources. For IRWM implementation projects that address the needs of a DAC and are seeking Proposition 84 funds, funding matches may be waived.

3.2 EPA Section 319 Grants

Section 319 of the Clean Water Act (CWA) authorizes the EPA to develop a grant program aimed at implementing nonpoint source (NPS) management programs. The 319 grant funds are appropriated to states and administered by the EPA regional offices. In 2014 the EPA allocated a total of $159.3 million in 319 Grant funding to various states throughout the country.

Funding appropriated under Section 319 can be used to implement state NPS programs including, as appropriate, non-regulatory or regulatory programs for enforcement, technical assistance, financial assistance, education, training, technology transfer, and demonstration projects to achieve implementation of best management practices and water quality goals.

States are prohibited from using Section 319 funds for urban stormwater activities that directly implement a final municipal separate storm sewer system (MS4) NPDES permit. However, Section 319 funds may be used for those urban stormwater activities that do not directly implement a final NPDES permit. This means that the urban stormwater activity being funded cannot be explicitly required in a permit or plan required by the NPDES permit. These include activities that may support but do not directly implement permits requirements. However, EPA

supports flexibility in funding green infrastructure and low impact development (LID) employed in managing stormwater through the Section 319 Grant Program.

3.2.1 California Section 319 Guidelines

The State Water Resources Control Board ("SWRCB") is responsible for State project development and managing the State project solicitation process for the Section 319 Grant Program. SWRCB has begun the project selection process for 2015 and has announced that it has $4 million in Section 319 Grant funds to allocate to eligible projects. Up to $1.0 million will be available for planning and assessment projects and approximately $3.0 million will be available for implementation projects.

Eligibility Requirements

Project eligibility is based on whether the project fits within the NPS Program Preferences, program funding limits, project timing, and match requirements. Eligible applicants include local public agencies, public agencies, nonprofit organizations, federally recognized Indian tribes, state agencies, public colleges, and federal agencies.

Program preferences are organized by region. The preferences for the Los Angeles Regional Water Board fall within the following watersheds:

- Calleguas Creek
- Santa Clara River
- McGrath Lake
- Ventura River
- Marina del Rey Harbor

Eligible Project Types

Eligible planning and assessment project types or the watersheds listed above include:

- Assessment, study or design identified as a high priority in a TMDL
- Studies, strategies, management plans, tools for management plan development and similar items
- Filling recognized Data Gaps
- Consolidating previously completed planning work in a watershed; or
- Identifying and prioritizing appropriate management measure and management practices

Eligible planning and assessment projects and or applicants must:

- Address watersheds and impairments identified in the NPS Program Preferences;
- Meet funding match requirements
- Clearly lead to implementation of an adopted or nearly adopted TMDL designated in the NPS Program Preferences;
- Have at least elements 1, 2, and 3 of US EPA's nine key elements of a watershed based plan (Nine Key Elements) in place at the time of funding[10]

[10] These elements pertain to identification of causes and sources of impairments, estimating load reductions expected from management activities, and identifying management measures and priority locations for implementation.

And meet one of the following:

- Complete watershed planning and assessment to fully address all Nine Key Elements
- Provide information necessary to fully develop at least one of the missing or partially completed elements
- Complete other priority planning and assessment activities and provide a brief description of how the missing or incomplete elements of the Nine Key Elements will be completed

Eligible implementation project types include project-level planning, design, construction, construction management, implementation and monitoring to implement full scale on-the-ground management measures and/or management practices.

Project Scoring Criteria

The application process is a two-phase process that requires applicants to successfully develop a concept proposal before they are able to move on to the complete proposal phase. Both the concept and full proposals are evaluated and scored using the criteria listed below:

- Describes the physical watershed, including the targeted watershed's waterbody size (stream miles or acreage) and area, and the portion of the watershed (percent miles or area) that the project will address;
- Describes how the project will implement activities that are identified as high priority actions in an adopted or nearly adopted TMDL;
- Describes how the project will lead to a significant reduction of a major pollutant source in an adopted or nearly adopted TMDL
- Describes how the project is related to other efforts, both past and present, along with how its coordination with current efforts will effectively address impairment(s)
- Provides an estimate of the overall progress achieved to date in the watershed in meeting specific TMDL targets and/or goals;
- Specifies an estimated measurable pollutant load or pollutant concentration reduction, if the project is an implementation project;
- Demonstrates that the project is technically feasible and appropriate, and identifies if it has been adapted from another effort, and describes how the approach is applicable;
- Describes how success will be measured through appropriate assessment and monitoring
- Demonstrates the connectivity between the proposed project and the waterbody addressed by the TMDL;
- Clearly describes project goals, milestones, tasks and timelines;
- Demonstrates relevant experience and expertise of the project team;
- Demonstrates if and how the project could be repeated in another watershed;
- Shows readiness to proceed; and
- Demonstrates adequate funding match

Matching Funds

Applicants must provide a minimum 25% funding match. State agencies, may use State funds and services for the funding match. A funding match may include federal funds, local funding, or donated, volunteer and in-kind services from non-State sources.

3.3 Proposition 1

Proposition 1, The Water Quality, Supply, and Infrastructure Improvement Act of 2014, was overwhelmingly approved by voters last November and will make $7.545 Billion in bond funding available for water projects throughout the state. The funding provided by Proposition 1 will be used to implement the three objectives of the California Water Action Plan, which are more reliable water supplies, the restoration of important species and habitat, and a more resilient and sustainably managed water infrastructure.

In addition to the funding available through the sale of general obligation bonds, Proposition 1 is expected to leverage an addition local and regional funds to provide a total investment of $25 billion to $30 billion to address California's water needs.

3.3.1 Key Funding Areas

Regional Water Security: $810 million

Chapter 7, section 79740 of Proposition 1 make $810 million available for expenditure on, and competitive grants and loans to, projects that are included in and implemented in an adopted integrated regional water management plan (IRWM) and respond to climate change and contribute to regional water security.

Of the $810 million available pursuant to this chapter, $200 million shall be available for grants for multi-benefit stormwater management projects. Eligible projects may include green infrastructure, rainwater and stormwater capture projects, and stormwater treatment facilities. Plans for stormwater projects must address the entire watershed and incorporate the perspectives of communities adjacent to the affected waterways, especially disadvantaged communities.

Cost sharing provisions in this chapter require a cost share from non-state sources of at least 50% of the total costs of the project.

Flood Management: $395 million

Chapter 11, section 79780 makes $395 million available to the Department of Water Resources and the Central Valley Flood Protection Board for the purpose of statewide flood management projects and activities. Funds shall be allocated to multi-benefit projects that achieve public safety and include fish and wildlife habitat enhancement. The Department of Water Resources shall make efforts to coordinate this funding with Proposition 84 and 1E funding.

However, of the funds authorized by this section $295 million will be set aside to reduce the risk of levee failure and flood in the Sacramento and San Joaquin Bay Delta. This leaves only $100 million for other flood management projects statewide.

Clean, Safe and Reliable Drinking Water: $520 million

Section 72720, Chapter 5, of Proposition 1 allocates a sum of $520 million for expenditures, grants, and loans for projects that improve water quality or help provide clean, safe and reliable drinking water to the citizens of California.

Of the $520 million authorized by Section 79270, $260 million dollars will be deposited in the State Water Pollution Control Revolving Fund (SWPCRF) Small Community Grant Fund for grants for wastewater treatment projects.

Of the $520 million authorized by Section 79270, an additional $260 million shall be available for grants and loans for public water system infrastructure improvements and related actions to meet safe drinking water standards ensure affordable drinking water, or both.

Projects eligible for funding pursuant to this chapter must help improve water quality for a beneficial use and must further the following purposes:

- Reduce contaminants in drinking water supplies regardless of the source of the water or the contamination
- Assess and prioritize the risk of contamination to drinking water supplies
- Address the critical and immediate needs of disadvantaged, rural, or small communities that suffer from contaminated drinking water supplies, including, but not limited to, projects that address a public health emergency
- Lever other private, federal, state, and local drinking water quality and wastewater treatment funds
- Reduce contaminants in discharges, to, and improve the quality of the waters of the state
- Prevent further contamination of drinking water supplies
- Provide disadvantaged communities with public drinking water infrastructure that provides clean, safe, and reliable drinking water supplies that the community can sustain over the long term
- Ensure access to clean, safe, reliable, and affordable drinking water for California's communities
- Meet primary and secondary safe drinking water standards or remove contaminants identified by the state or federal government for development of a primary or secondary drinking water standard.

Water Recycling: $725 million

Chapter 9, section 79765 makes $725 million available for grants or loans for water recycling and advanced treatment technology projects, including all of the following:

- Water recycling projects, including, but not limited to, treatment storage, conveyance, and distribution facilities for potable and non-potable recycling projects
- Contaminant and salt removal projects including, but not limited to groundwater, and seawater desalination and associated treatment storage, conveyance and distribution facilities
- Dedicated distribution infrastructure to serve residential, commercial, agricultural, and industrial end-user retrofit projects to allow use of recycled water.
- Multi-benefit recycled water projects that improve water quality
- Technical assistance and grant writing assistance for disadvantaged communities

Ecosystem and Watershed Protection: $1.495 billion

Chapter 6, section 79730 of Proposition 1 makes available $1.495 billion for competitive grants for multi-benefit ecosystem and watershed protection and restoration projects in accordance with statewide priorities. The funds are reserved for projects that will provide fisheries or ecosystem benefits or improvements that are greater than required applicable environmental mitigation measure or compliance obligations.

Groundwater sustainability: $900 million

Chapter 10, Section 79771 allocates $900 million for expenditures on, and competitive grants and loans for projects to prevent or cleanup the contamination of groundwater that serves or has served as a source of drinking water. Funds appropriated pursuant to this section shall be available to the state board for projects necessary to protect public health by preventing or reducing the contamination of groundwater that serves or has served as a major source of drinking water for a community.

Water Storage Capacity: $2.7 billion

Chapter 8, Section 79750 of Proposition 1 appropriates $2.7 billion to the California Water Commission for water storage projects. Projects will be selected by the Commission through a competitive public process that ranks potential projects based on the expected return for public investment as measured by the magnitude of the public benefits provided.

3.3.2 Proposition 1 Guidelines

The bond funds will be distributed through a competitive grant process overseen by various state agencies, including the DWR, SWRCB, and the California Water Commission (CWC). These agencies will conduct processes to solicit proposals for grants, review applications and award funding. The first step in this process is to develop guidelines that spell out the total amount of funding available for various programs and the criteria agencies will apply to evaluate and rank projects for funding. Proposition 1 requires responsible agencies post the draft guidelines on their respective websites for at least 30 days, hold three public meetings, and solicit public input prior to finalizing the guidelines. The following table provides a timetable for the development of the guidelines and the responsible agencies.

Category	Agency	Guideline Process Expected Start	Guideline Process Expected Completion
Small community wastewater treatment	State Water Resources Control Board	March 2015	June 2015
Safe and affordable drinking water	State Water Resources Control Board	May 2015	July-Aug. 2015
Multi-benefit watershed projects	State Conservancies (various)	Jan.-Feb. 2015	Various dates
Enhanced stream flows	Wildlife Conservation Board	Feb. 2015	May 2015

Category	Agency	Guideline Process Expected Start	Guideline Process Expected Completion
Urban creek restoration	State Conservancies (various)	In process	TBD
State obligations in water-related settlements	Natural Resources Agency	In process	TBD
Watershed and Urban River Enhancements	Natural Resources Agency	In process	TBD
Watershed restoration and Delta water quality and ecosystem restoration	Department of Fish and Wildlife	Jan. 2015	May 2015
Integrated regional water management	Department of Water Resources	March 2015	2016 (Final Round of Prop 84 in progress and to be awarded by Aug. 2015)
Water Use Efficiency Grants, Round 1 – Urban and Agricultural	Department of Water Resources	July 2015	Dec. 2015
Stormwater management	State Water Resources Control Board	In process	TBD
Water Storage Investment Program	California Commission	Jan. 2015	Submission of draft regulations to Office of Administrative Law by Oct. 2015 (OAL process may take up to 12 months)
Water recycling	State Water Resources Control Board	April 2015	June 2015
Groundwater Plans and Project Grant Program – Phase 1	Department of Water Resources	March 2015	TBD
Groundwater Sustainability (cleanup)	State Water Resources Control Board	In process	TBD

Category	Agency	Guideline Process Expected Start	Guideline Process Expected Completion
Multi-benefit projects to achieve public safety and enhance fish/wildlife, including Delta levee maintenance and improvements	DWR/Central Valley Flood Protection Board	In process	TBD

3.4 Clean Beaches Initiatives

The Clean Beaches Initiative (CBI) Grant Program provides funding for projects that restore and protect the water quality and the environment of coastal waters, estuaries, bays, and near shore water. In June 2010, Senate Bill (SB) 790 became law, amending the CBI Grant Program and authorizing the program to fund projects designed to implement or promote low impact development, and project designed to implement a stormwater resource plan.

3.4.1 Eligibility Requirements

To be eligible for funding, the applicant must be an eligible entity, and the projects must 1) be an eligible project type and 2) address at least one of the CBI Grant Program priorities.

Eligible Project Type

The following are eligible project types:

- Improve water quality at public beaches and make improvements to ensure that coastal waters adjacent to public beaches meet bacteriological standards as set forth in the Health and Safety Code
- Make improvements, upgrades, or conversions to existing sewer collection systems and septic systems for the restoration and protection of coastal water quality.
- Implement stormwater and runoff pollution reduction and prevention programs, or for the implementation of best management practices (BMPs), for the restoration and protection of coastal water quality.
- Implement or promote low-impact development (LID) for new or existing developments that will contribute to the improvement of water quality or reduce stormwater runoff.
- Implement a stormwater resource plan prepared pursuant to WC §10560.

All CBI projects must meet the following requirements:

- Stay consistent with State Water Board's NPS control program, and the requirements of Division 7 (commencing with §13000) of the Water Code.
- All projects must demonstrate the capability of contributing to sustained, long-term water quality or environmental restoration or protection benefits for a period of 20 years, address the causes of degradation, rather than the symptoms, and be consistent with water quality and resource protection plans prepared, implemented, or adopted by the State Water Board, the applicable Regional Water Quality Control Boards (Regional Water Boards), and the State Coastal Conservancy.

- Applicants receiving CBI funds must submit to the Division a monitoring and reporting plan that does all of the following: 1) identifies the nonpoint source(s) of pollution to be prevented or reduced by the project; 2) describes the baseline water quality or quality of the environment to be addressed; 3) describes the manner in which the project will be effective in preventing or reducing pollution and in demonstrating the desired environmental results; and 4) describes the monitoring program, including, but not limited to, the methodology, the frequency and duration of monitoring.
- If applicable, projects funded must be consistent with recovery plans for coho salmon, steelhead trout, or other threatened or endangered species, and to the extent feasible, must seek to implement actions specified in those plans.
- Meet other reporting requirements

The CBI Grant Program's primary focus is the reduction of bacterial concentrations at public beaches. Eligible projects must address at least one CBI priority. CBI has developed priorities for both implementation and research projects. This report will discuss priorities for implementation projects only.

For capital improvement projects to receive funding from the CBI Grant Program, the project must be one that reduces bacterial contamination at priority beaches. Priority beaches are those that meet any one of the following five criteria:

- The beach is located adjacent to an ASBS subject to dry weather runoff;
- High frequency (>4 percent) of bacterial standard exceedences during weekly monitoring of coastal waters April 1 to October 31, as specified in the Health and Safety Code
- A known public health threat or source of human sewage discharge to ocean waters adjacent to a beach;
- The beach received a grade of "C", "D", or "F" on Heal the Bay's report card at least once during the previous three AB 411 time periods (April 1 to October 31) or during dry weather year-round; or
- Demonstrated bacterial contamination problems.

The Clean Beach Task Force has identified a number of priority beaches. A list of these beaches is attached as an appendix.

In the competitive process priority will be given to projects that meet the following program preferences:

- Have solid baseline water quality data;
- Integrate into a larger project and provide multiple-benefits;
- Contribute expeditiously and measurably to the long-term attainment and maintenance of water quality standards by implementing a total maximum daily load (TMDL);
- Eliminate or significantly reduce pollution into areas of special biological significance (ASBS);
- Improve water quality in a disadvantaged community;
- Are LID that contribute to stormwater quality improvements;
- Promote the infiltration, capture, and treatment of stormwater for reuse consistent with supporting beneficial uses and existing water rights;

- Meet sustainability and other considerations as outlined in the Ahwahnee Principles or similar land use or planning principles;
- Address the impacts of climate change, including the minimization of greenhouse gas emission;
- Provide local cost-sharing or leverage local bond measure funds;
- Address environmental justice community needs and issues; and
- Contribute to a 75 percent reduction of wet weather beach postings by 2020

Grant Amounts and Funding Match

The maximum grant amount available through CBI is $5 million and the minimum grant amount is $150,000. Applicants must provide a 20% for Projects $1,000,000 to $5,000,000 (inclusive) 15% for Projects less than $1,000,000 75% for sewer infrastructure Projects.

3.5 TIGER Discretionary Grants

The Consolidated Appropriations Act, 2014 appropriated $600 million to be awarded by the Department of Transportation (DOT) for National Infrastructure Investments. DOT refers to this program as the TIGER Discretionary Grants. The grants are to be awarded on a competitive basis for projects that will have a significant impact on the Nation, on metropolitan area, or a region.

3.5.1 Eligibility Requirements

To receive TIGER Discretionary Grant funding, projects or elements of a project must have independent utility, which means that the project provides transportation benefits and is ready for its intended use upon completion of project construction.

DOT is required to obligate TIGER funds by September 30, 2016. Therefore, successful applicants must also demonstrate the project will proceed to obligation within the statutory deadline upon receipt of a TIGER Discretionary Grant.

Eligible Project Types

Projects that are eligible for TIGER Discretionary Grants for capital projects include, but are not limited to:

- Highway or bridge projects (including bicycle and pedestrian related projects)
- Public transportation projects
- Passenger and freight rail transportation projects
- Port infrastructure investments
- Intermodal projects

Projects eligible for TIGER Planning Grants include, but are not limited to:

- Activities related to the planning preparation or design of a single surface transportation projects
- Activities related to regional transportation investment planning
- Transportation planning that is coordinated with interdisciplinary factors including
    - Housing,
    - Economic development

    - Stormwater and other infrastructure investments
- Transportation planning that addresses future risks and vulnerabilities, including extreme weather and climate change

TIGER Discretionary Grants cannot be directly applied to stormwater management projects. However, TIGER Discretionary Grants may fund green infrastructure projects related to transportation, including green streets.

Selection Criteria

In selecting a project to fund through the TIGER Discretionary Grants, DOT has indentified a set of primary selection criteria based on the DOT strategic plan. The following are the primary selection criteria:

- State of Good Repair – improving the condition of existing transportation facilities with a focus on reducing life-cycle costs and improving resilience
- Economic Competitiveness – contributing to the economic competitiveness of the United States over the medium- to long-term and preserving jobs
- Quality of Life – increasing transportation choices and access to transportation services for individuals in communities across the United States
- Environmental Sustainability - Improving energy efficiency, reducing dependence on oil, reducing greenhouse gas emissions, addressing stormwater through natural means, avoiding and mitigating environmental impacts and otherwise benefitting the environment.
- Safety – improving the safety of U.S. transportation facilities and systems for all modes of transportation and users.

Secondary selection grants considered by the DOT include:

- Innovation – use of innovative strategies to pursue long-term outcomes outlined in the primary selection criteria. DOT will consider the extent of technology usage, including intelligent transportation systems, dynamic pricing, value capture, rail wayside or on-board energy recovery, smart cards, active traffic management or radio frequency identification.
- Partnership – demonstrating strong collaboration among a broad range of participants, integration of transportation with other public service efforts, and/or projects that are the product of a robust planning process.

Grant Amounts and Funding Match

TIGER Discretionary Grants may not be less than $10 million and not greater than $200 million. Applicants must be able to show that at least 20% of the project will be funded using non-grant funds. DOT will give priority to projects that use the TIGER Discretionary Grant funding to complete an overall financing package. Projects can increase their competitiveness for purposes of the grant by demonstrating significant non-federal financial contributions.

3.6 Supplemental Environmental Project Funds

Individuals or entities found to be in violation of State or Federal environmental laws and facing monetary damages payments or fines may opt to enter a settlement agreement that includes the implementation of a Supplemental Environmental Project (SEP). Supplemental Environmental Projects are environmentally beneficial projects that a violator voluntarily agrees

to undertake in settlement of a civil penalty action.[11] The main goal of SEPs is to improve environmental health of communities that have been put at risk due to the violation of an environmental law

The guidelines governing SEPs on the state and federal level are similar, however there are distinctions. The following sections describe both federal and state SEP programs.

3.6.1 Federal

Federal policy requires that a nexus exist between the violation and the proposed SEP. For Federal projects, nexus exists only if a proposed project meets one of the following criteria:

- The project is designed to reduce the likelihood that similar violations will occur in the future
- The project reduces the adverse impact to public health or the environment to which the violation at issue contributes; or
- The project reduces the overall risk to public health or the environment potentially affected by the violation at issue.

Federal SEPs are prevented from containing projects that:

- Donate funds to third parties
- Call for EPA management of funds obtained through SEP
- Augment Congressional appropriations
- Satisfy EPA's statutory obligation to perform a particular activity; or
- Supplement projects for which a violator is already receiving federal financial assistance, that is, a federal loan, contract or grant.

3.6.2 State

The SWB or Regional Water Board may allow a discharger to satisfy part of the monetary assessment imposed in an administrative civil liability order by completing or funding one or more SEPs. As a general rule no SEPs should be authorized by the State or Regional Water Board in an amount that exceeds 50% of the total monetary assessment against the discharger.

There are two types of SEPs allowed by State law: (1) SEPs that are implemented by the discharger, and (2) those that are administered by a third-party using funds allocated by the discharger. Third-party entities that are paid to implement an SEP must be independent of the discharger as well as the Water Board.

SEPs approved by the Water Board must, at a minimum satisfy the following criteria:

- SEP can only consist of measures that go above and beyond what is otherwise required of the discharger.
- The SEP shall directly benefit or study groundwater or surface water quality or quantity, and the beneficial uses of waters of the State. Examples include:
    - Monitoring programs
    - Studies or investigations
    - Water or soil treatment

[11] The SEP should be a project that the violator will not otherwise be required to perform.

- Habitat restoration or enhancement
- Pollution prevention or reduction
- Wetland, stream, or other waterbody protection, restoration or creation
- Conservation easements
- Stream augmentation
- Reclamation
- Watershed assessment
- Watershed management facilitation services
- Compliance training, compliance education, and the development of educational materials
- Enforcement projects, such as training or environmental compliance and enforcement personnel, and
- Non-point source program implementation

- A SEP shall not directly benefit a Water Board member or any of his or her family members.

The following additional criteria shall be evaluated by the Water Boards during final approval of the SEPS:

- Whether the project has documented support by other public agencies, public groups and affected persons
- Whether the SEP directly benefits the area where the harm occurred or provide a region-wide or state-wide benefit
- Whether the SEP project complies with the California Environmental Quality Act
- Whether the entity responsible for implanting the SEP has the stability to complete the project
- Whether the SEP proposal includes criteria for monitoring and tracking the long-term success of the project.

Eligible projects or proposal must also show that a nexus exists between the SEP and the violation. This means that there must be a relationship between the nature or location of the violation and the nature or location for the SEP. A nexus exists per se if the project remediates or reduces the probable overall environmental or public health impacts or risks to which the violation at issues contributes, or if the project is designed to reduce the likelihood that similar violations will occur in the future.

Project Selection

Each Regional Water Board has discretion in choosing SEP projects. Each Board may maintain a list of pre-approved SEPs and develop criteria for placement of environmental projects on its list of potential SEPs

4 Low Cost Financing

4.1 The Clean Water Sate Revolving Fund

The federal Clean Water Act established The Clean Water Sate Revolving Fund (CWSRF) to finance protection and improvement of water quality. The CWSRF program provides each state the opportunity to establish an environmental infrastructure bank capitalized by federal and state funds. Financing options include loans, refinancing debt, purchasing or guaranteeing local debt, and purchasing bond insurance.[12] Since 2009 federal CWSRF appropriations and California law have also authorized grants, negative interest rates, and principal forgiveness on a limited basis.

Through June 30, 2019, the estimated cumulative, uncommitted cash available for financing new projects is approximately $620 million. The program is capable of financing projects from less than a $1 million to more than $100 million.

The State Water Board maintains a Project List ("List") that reflects projects interested in CWSRF financing. A project must be on the List to receive financing, but the List does not guarantee financing or the order of financing. The List classifies each project application relative to the Water Board's water quality and sustainability priorities, and helps prioritize the Program staff's marketing and application review efforts.

The Department of Financial Assistance processes CWSRF applications and makes recommendations to the Executive Director. The Executive Director of the State Water Board generally updates the List quarterly. The Executive Director may update the list more frequently if necessary or less frequently if there are no new potential projects to be added during the quarter.

4.1.1 Priority Classes

As the Division of Financial Assistance ("Division") receives CWSRF applications it assigns to each project a priority. Each project is assigned to one of the following priority classes:

Class A- Public Health Problems

i. "Publicly Owned Treatment Works" projects or other required to alleviate public health problems where the county board of supervisors, City Council, or the County Health Officer has certified that a health problem exists, and where a State or Regional Water Board has (1) adopted a prohibition for elimination of discharges and such prohibition has been approved by the State Water Board, (2) approved a local moratorium prohibiting the construction of new systems, or (3) adopted a cease and desist order; or

ii. nonpoint source, storm water drainage pollution and estuary enhancement projects required to comply with prohibitions, postings, limitations, or warnings that have been imposed by responsible health authorities, and where the State or Regional Water Board has concurred with the findings of the health authority and has established a time schedule for correction or elimination of the threat to public health.

[12] Interest rates must be below market rate, but not less than zero percent. Repayment periods are up to 30 years or the expected useful life of the financed asset. California's CWSRF Program has funded a broad range of projects. About 76% of funds were used for wastewater treatment and water recycling facilities. About 20% of funds were used for wastewater collection systems. About four percent of funds were used for non-point source or estuary projects.

Class B – Pollution of Impaired Water Bodies

Projects to address impairments of CWA 303(d) listed water bodies.

Class C – Compliance with requirements or Water Recycling projects

i. Projects necessary to comply with WDRs or other regulatory requirements formally imposed by the State Water Board or Regional Water Board, or projects necessary for correction of threatened violations of existing or proposed WDRs; or

ii. Projects that provide for treatment and delivery of municipal wastewater or groundwater contaminated due to human activity, for uses that will offset or augment state and local water supplies or projects that are necessary to meet state policy regarding recycled water.\

Class D – Projects Serving as Preventative Measures Against Additional Water Quality Degradation for Impaired or Unimpaired Water Bodies

Project to control discharges to impaired or unimpaired waters, where correction of such discharges may, or may not, be required through formally adopted WDRs.

Class E – Other Projects

Project not included in any of the other priority classes

4.1.2 Sustainability

A project that supports or incorporates one or more of the following sustainability goals receives one priority point for each area addressed:

a. The project supports infill development or results in the reuse or redevelopment of land in an area presently served by transit, streets, water, sewer, and other essential services.

b. The applicant maintains a capital improvement plan, an asset management plan, or has performed a full-cost pricing analysis, or the project incorporates climate change adaptation

c. The project protects environmental or agricultural resources such as farm, range and forestlands; wetlands and wildlife habitats; recreational lands such as parks, trails, and greenbelts; or landscapes with locally unique features or areas identified by the state as deserving special protection.

d. The project is cited in one or more regional environmental management plans.

e. The project incorporates wastewater or storm water/urban runoff recycling, water conservation, energy conservation, low impact development, or reduced use of other vital resources

f. The project uses low-impact treatment for lower lifecycle operating costs through reduced energy, chemical, or other inputs.

4.1.3 Funding for Projects

The Division will review projects on the Project List with complete applications, except as directed by the State Water Board, based on the project class, A being the highest class and E being the lowest class, and the number of sustainability points. Projects within each project class will be ranked according to their sustainability points. If the State Water Board lacks sufficient funds to fund all projects with complete applications, then the Division will first fund

projects based on the classes established above, giving priority with the class to the Small DAC with the lowest median household income, and then to the project that most effectively addresses sustainability and global climate change.

4.2 The California Infrastructure Development Bank – Infrastructure State Revolving Fund Program

The California Infrastructure and Economic Development Bank ("I-Bank") was created to provide an accessible low-cost financing option to eligible borrowers for a wide range of infrastructure projects. To meet this purpose the I-bank developed its Infrastructure State Revolving Fund ("ISRF Program"). ISRF program funding is available in amounts from $50,000 to $25 million, with terms up to 30 years.

4.2.1 Eligibility Criteria

Eligible costs for ISRF program financing include:

- All or any part of the cost of construction, renovation, and acquisition of all lands, structures, real or personal property.
- Rights, rights of way, franchises, licenses, easements, and interests acquired or used for a project
- The cost of demolishing or removing any buildings or structures on land so acquired, including the cost of acquiring any lands to which the buildings or structures may be moved
- The cost of all machinery, equipment, and financing charges
- Interest prior to during, and for a period after, completion of construction, renovation, or acquisition, as determined by the I-Bank
- Provisions for working capital
- Provisions for working capital
- Reserves for principal and interest and for extensions, enlargements, additions, replacement, renovations and improvements.
- The cost of architectural, engineering, financial and legal services, plans, specifications, estimates, administrative expenses
- Other expenses necessary or incidental to determining the feasibility of any project or incidental to the construction, acquisition, or financing of any project.

ISRF program applicants must meet readiness and feasibility standards to be eligible to participate in the loan program. Applicants must demonstrate that construction of their project will be complete[13] within 2 years of receiving I-Bank loan approval. Applicants must also meet the following feasibility standards:

- Permits – Applicant must provide evidence that it has procured or is in the process of procuring all applicable permits or approvals necessary for construction of the project.
- Source of Loan Repayment – Applicant must demonstrate that it has identified an eligible source of repayment. Eligible sources of payment include:

[13] The portion of the project financed by the I-Bank must meet construction contract specifications for completeness and/ or ability to operate.

- Water or sewer enterprise/special funds
- Other enterprise/special funds
- General fund lease
- Land secured
- Voter-approved general fund debt or other voter approved debt secured by full faith and credit (general obligation)
- Other sources of repayment and/or alternative financing structures may be considered by the I-bank at its discretion

- Project funds – I-Bank requires that all project funding sources, other than I-Bank loan funds, to be identified at the time of application and committed prior to loan approval.
- Prevailing wages and Contractor Pre-Qualification

Eligible Project Types

The ISRF program funds both infrastructure projects as well as economic expansion programs. The ISRF program has enumerated sixteen distinct project types that may be funded as an infrastructure project. These project types include the following:

- City Streets – any street, avenue, boulevard, road, parkway, drive, or other way that is an existing or planned roadway and may comprise pavement, bridges, shoulders, gutter, curbs, guardrails, sidewalks, parking areas, benches fountains, plantings, lighting systems, and other areas within the street lines
- Drainage, water supply, and flood control – including but not limited to ditches, canals, levees, pumps, dams, conduits, pipes, storm sewers, and dikes as well as the acquisition, improvement, maintenance, and management of flood plain areas

Selection Criteria

If immediate financing needs of projects to be selected for I-Bank financing exceed the lending capacity of the ISRF Program, I-Bank will give priority to Infrastructure Projects over Economic Expansion Projects. If further prioritization is required, the I-Bank will give priority to Infrastructure projects located in, or adjacent to or directly affecting, areas with high unemployment rates, low median family income, declining or slow growth in labor force employment or high poverty rates.

5 Conclusion

The regional projects and the green street conversion projects identified by the DCWMGA are well positioned to receive grant funding or loan assistance from the sources identified in this memorandum. Members of the DCWMGA should be able to fund a portion of the projects identified in the EWMP through existing funding sources. However, with competition from the other WMGA projects and increasing need for water infrastructure funding throughout the state the DCWMGA will need to look to other sources of funding to complete the funding mix for implementing the EWMP.

Attachment W

Statement of Inclusion from each Permittee

PAGE INTENTIONALLY LEFT BLANK

CITY OF LOS ANGELES
CALIFORNIA

BOARD OF PUBLIC WORKS MEMBERS

KEVIN JAMES
PRESIDENT

MONICA RODRIGUEZ
VICE PRESIDENT

MATT SZABO
PRESIDENT PRO TEMPORE

MICHAEL R. DAVIS
COMMISSIONER

BARBARA ROMERO
COMMISSIONER

ERIC GARCETTI
MAYOR

BUREAU OF SANITATION

ENRIQUE C. ZALDIVAR
DIRECTOR

TRACI J. MINAMIDE
CHIEF OPERATING OFFICER

VAROUJ S. ABKIAN
ADEL H. HAGEKHALIL
ALEXANDER E. HELOU
ASSISTANT DIRECTORS

LISA B. MOWERY
CHIEF FINANCIAL OFFICER

1149 SOUTH BROADWAY, 10TH FLOOR
LOS ANGELES, CA 90015
TEL: (213) 485-0587
FAX: (213) 485-3939
WWW.LACITYSAN.ORG

January 22, 2015

Mr. Sam Unger, Executive Officer
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Attention Mr. Ivar Ridgeway

Dear Mr. Unger:

CERTIFICATION BY LEGAL COUNSEL FOR THE CITY OF LOS ANGELES CONFIRMING LEGAL AUTHORITY TO IMPLEMENT THE PROVISIONS OF THE MUNICIPAL STORMWATER PERMIT

I write pursuant to Part VI(A)(2)(b) of Order No. R4-2012-0175,otherwise known as the Municipal Separate Stormwater Sewer System (MS4) Permit (the "Order"). Part VI(A)(2)(b) of the Permit provides:

> *"Each Permittee must submit a statement certified by its chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d) (2) (i) (AF) and this Order."*

The Office of the City Attorney of the City of Los Angeles (City), serving as its legal counsel, certifies that the City has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and of the Order. This correspondence addresses all legal authority requirements as listed in the Order. Subsequently, annual certification by our office will be included in the Stormwater Annual Report as required by the Order.

Order Part VI(A)(2)(b)(i) - "Citation of applicable municipal ordinances or other appropriate legal authorities and their relationship to the requirements of 40 CFR §122.26(d) (2) (i) (A-F) and this Order"

Below is a list of applicable Los Angeles Municipal Code (LAMC) provisions that provide the requisite legal authorities:

LAMC 64.70 General Provisions.
LAMC 64.70.01 Definitions and Abbreviations.
LAMC 64.70.02 Pollutant Discharge Control.
LAMC 64.70.03 Elimination of Illicit Discharges and Illicit Connections.
LAMC 64.70.05 Authority to Inspect.
LAMC 64.70.06 Authority to Arrest and Issue Citations.
LAMC 64.70.07 Enforcement.
LAMC 64.70.08 Remedies Not Exclusive.
LAMC 64.70.09 Liability for Costs of Correction Arising from Unlawful Discharge.
LAMC 64.70.10 Disposition of Money Collected.
LAMC 64.70.11 Stormwater and Urban Runoff Pollution Education.
LAMC 64.70.12 Construction and Application.
LAMC 64.70.13 Severability.
LAMC 64.72 Stormwater Pollution Control Measures for Development Planning and Construction Activities.
LAMC 64.72.01 Authority of the Board of Public Works.
LAMC 64.72.02 Funds Collected from Waiver.
LAMC 64.72.03 Supplemental Provisions.
LAMC 64.72.04 Authority to Inspect and Enforce Stormwater Pollution Control Measures.
LAMC 64.72.05 LID Plan Check Fees.

In addition, statewide regulations provide further legal authorities with respect to intergovernmental authorities, specifically:

California Government Code §6502
California Government Code §23004

Relationship of Applicable Ordinances and Other Legal Authorities to the Requirements of 40CFR §122.26(d)(2)(i)(a-F) and the Order

The table below indicates the basic relationship between the "Legal Authority" requirements listed in Section VI(A)(2)(b) of the Order and the existing legal statutes that provide this legal authority.

Legal Authority Required by Permit	City/State Legal Provisions
VI.A.2.i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.	LAMC 64.70.02.B LAMC 64.70.02.C.1.a LAMC 64.70.02.D LAMC 64.70.03.A
ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A	LAMC 64.70.03.A
iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4	LAMC 64.70.03.A LAMC 64.70.03.B
iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4	LAMC 64.70.03.A
v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows)	LAMC 64.70.03.A LAMC 64.70.07
vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders	LAMC 64.70.05.B.4 LAMC 64.70.05.B.6
vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Co-permittees	California Government Code §6502 California Government Code §23004
viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation	California Government Code §6502 California Government Code §23004

ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4	LAMC 64.70.05.A LAMC 64.70.05.B LAMC 64.72.04.B
x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations	LAMC 64.70.02.D
xi. Require that structural BMPs are properly operated and maintained	LAMC 64.70.02.D
xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4	LAMC 64.70.05.B.3
VI.A.b.ii. Identification of the local administrative and legal procedures available to mandate compliance with applicable municipal ordinances identified in subsection (i) above and therefore with the conditions of this Order, and a statement as to whether enforcement actions can be completed administratively or whether they must be commenced and completed in the judicial system.	The local administrative and legal procedures available to mandate compliance with the above LAMC provisions are specified in the provisions themselves with key enforcement provisions being LAMC 64.70.06 and LAMC 64.70.07

The City is in the process of updating the LAMC with respect to its stormwater regulations. These changes will be reported with the 2014-2015 annual report.

Very truly yours,

JOHN CARVALHO, Deputy City Attorney
City's Attorney Office

WPDCR9163

CITY OF LOS ANGELES
CALIFORNIA

BOARD OF PUBLIC WORKS MEMBERS

KEVIN JAMES
PRESIDENT

MONICA RODRIGUEZ
VICE PRESIDENT

MATT SZABO
PRESIDENT PRO TEMPORE

MICHAEL R. DAVIS
COMMISSIONER

BARBARA ROMERO
COMMISSIONER

ERIC GARCETTI
MAYOR

BUREAU OF SANITATION

ENRIQUE C. ZALDIVAR
DIRECTOR

TRACI J. MINAMIDE
CHIEF OPERATING OFFICER

VAROUJ S. ABKIAN
ADEL H. HAGEKHALIL
ALEXANDER E. HELOU
ASSISTANT DIRECTORS

LISA B. MOWERY
CHIEF FINANCIAL OFFICER

1149 SOUTH BROADWAY, 10TH FLOOR
LOS ANGELES, CA 90015
TEL: (213) 485-0587
FAX: (213) 485-3939
WWW.LACITYSAN.ORG

January 22, 2015

Mr. Sam Unger, Executive Officer
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Attention Mr. Ivar Ridgeway

Dear Mr. Unger:

CERTIFICATION BY LEGAL COUNSEL FOR THE CITY OF LOS ANGELES CONFIRMING LEGAL AUTHORITY TO IMPLEMENT THE PROVISIONS OF THE MUNICIPAL STORMWATER PERMIT

I write pursuant to Part VI(A)(2)(b) of Order No. R4-2012-0175,otherwise known as the Municipal Separate Stormwater Sewer System (MS4) Permit (the "Order"). Part VI(A)(2)(b) of the Permit provides:

> *"Each Permittee must submit a statement certified by its chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d) (2) (i) (AF) and this Order."*

The Office of the City Attorney of the City of Los Angeles (City), serving as its legal counsel, certifies that the City has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and of the Order. This correspondence addresses all legal authority requirements as listed in the Order. Subsequently, annual certification by our office will be included in the Stormwater Annual Report as required by the Order.

Order Part VI(A)(2)(b)(i) - "Citation of applicable municipal ordinances or other appropriate legal authorities and their relationship to the requirements of 40 CFR §122.26(d) (2) (i) (A-F) and this Order"

Below is a list of applicable Los Angeles Municipal Code (LAMC) provisions that provide the requisite legal authorities:

LAMC 64.70 General Provisions.
LAMC 64.70.01 Definitions and Abbreviations.
LAMC 64.70.02 Pollutant Discharge Control.
LAMC 64.70.03 Elimination of Illicit Discharges and Illicit Connections.
LAMC 64.70.05 Authority to Inspect.
LAMC 64.70.06 Authority to Arrest and Issue Citations.
LAMC 64.70.07 Enforcement.
LAMC 64.70.08 Remedies Not Exclusive.
LAMC 64.70.09 Liability for Costs of Correction Arising from Unlawful Discharge.
LAMC 64.70.10 Disposition of Money Collected.
LAMC 64.70.11 Stormwater and Urban Runoff Pollution Education.
LAMC 64.70.12 Construction and Application.
LAMC 64.70.13 Severability.
LAMC 64.72 Stormwater Pollution Control Measures for Development Planning and Construction Activities.
LAMC 64.72.01 Authority of the Board of Public Works.
LAMC 64.72.02 Funds Collected from Waiver.
LAMC 64.72.03 Supplemental Provisions.
LAMC 64.72.04 Authority to Inspect and Enforce Stormwater Pollution Control Measures.
LAMC 64.72.05 LID Plan Check Fees.

In addition, statewide regulations provide further legal authorities with respect to intergovernmental authorities, specifically:

California Government Code §6502
California Government Code §23004

Relationship of Applicable Ordinances and Other Legal Authorities to the Requirements of 40CFR §122.26(d)(2)(i)(a-F) and the Order

The table below indicates the basic relationship between the "Legal Authority" requirements listed in Section VI(A)(2)(b) of the Order and the existing legal statutes that provide this legal authority.

Legal Authority Required by Permit	City/State Legal Provisions
VI.A.2.i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.	LAMC 64.70.02.B LAMC 64.70.02.C.1.a LAMC 64.70.02.D LAMC 64.70.03.A
ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A	LAMC 64.70.03.A
iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4	LAMC 64.70.03.A LAMC 64.70.03.B
iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4	LAMC 64.70.03.A
v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows)	LAMC 64.70.03.A LAMC 64.70.07
vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders	LAMC 64.70.05.B.4 LAMC 64.70.05.B.6
vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Co-permittees	California Government Code §6502 California Government Code §23004
viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation	California Government Code §6502 California Government Code §23004

ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4	LAMC 64.70.05.A LAMC 64.70.05.B LAMC 64.72.04.B
x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations	LAMC 64.70.02.D
xi. Require that structural BMPs are properly operated and maintained	LAMC 64.70.02.D
xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4	LAMC 64.70.05.B.3
VI.A.b.ii. Identification of the local administrative and legal procedures available to mandate compliance with applicable municipal ordinances identified in subsection (i) above and therefore with the conditions of this Order, and a statement as to whether enforcement actions can be completed administratively or whether they must be commenced and completed in the judicial system.	The local administrative and legal procedures available to mandate compliance with the above LAMC provisions are specified in the provisions themselves with key enforcement provisions being LAMC 64.70.06 and LAMC 64.70.07

The City is in the process of updating the LAMC with respect to its stormwater regulations. These changes will be reported with the 2014-2015 annual report.

Very truly yours,

JOHN CARVALHO, Deputy City Attorney
City's Attorney Office

WPDCR9163

COUNTY OF LOS ANGELES
OFFICE OF THE COUNTY COUNSEL

648 KENNETH HAHN HALL OF ADMINISTRATION
500 WEST TEMPLE STREET
LOS ANGELES, CALIFORNIA 90012-2713

TELEPHONE
(213) 974-1923
FACSIMILE
(213) 687-7337
TDD
(213) 633-0901

JOHN F. KRATTLI
County Counsel

December 16, 2013

Mr. Samuel Unger, P.E., Executive Officer
California Regional Water Quality Control Board – Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013-2343

Attention: Mr. Ivar Ridgeway

Re: Certification By Legal Counsel For County of Los Angeles' Annual Report

Dear Mr. Unger:

Pursuant to the requirements of Part VI(A)(2)(b) of Order No. R4-2012-0175 (the "Order"), the Office of the County Counsel of the County of Los Angeles makes the following certification in support of the Annual Report of the County of Los Angeles ("County"):

Certification Pursuant To Order Part VI(A)(2)(b)

"*Each Permittee must submit a statement certified by its chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and this Order.*"

The County has the legal authority within its jurisdiction to implement and enforce each of the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order.

Order Part VI(A)(2)(b)(i)

"*Citation of applicable municipal ordinances or other appropriate legal authorities and their relationship to the requirements of 40 CFR §122.26(d)(2)(i)(A-F) and this Order*"

Citations Of Applicable Ordinances Or Other Legal Authorities

Although many portions of State law, the Charter of the County of Los Angeles and the Los Angeles County Code are potentially applicable to the implementation and enforcement of these requirements, the primary applicable laws and ordinances are as follows:

Los Angeles County Code, Title 12, Chapter 12.80 STORMWATER AND RUNOFF POLLUTION CONTROL, including:

§12.80.010 - §12.80.360 Definitions

§12.80.370 Short title.

§12.80.380 Purpose and intent.

§12.80.390 Applicability of this chapter.

§12.80.400 Standards, guidelines and criteria.

§12.80.410 Illicit discharges prohibited.

§12.80.420 Installation or use of illicit connections prohibited.

§12.80.430 Removal of illicit connection from the storm drain system.

§12.80.440 Littering and other discharge of polluting or damaging substances prohibited.

§12.80.450 Stormwater and runoff pollution mitigation for construction activity.

§12.80.460 Prohibited discharges from industrial or commercial activity.

§12.80.470 Industrial/commercial facility sources required to obtain a NPDES permit.

§12.80.480 Public facility sources required to obtain a NPDES permit.

§12.80.490 Notification of uncontrolled discharges required.

§12.80.500 Good housekeeping provisions.

§12.80.510 Best management practices for construction activity.

§12.80.520 Best management practices for industrial and commercial facilities.

§12.80.530 Installation of structural BMPs.

§12.80.540 BMPs to be consistent with environmental goals.

§12.80.550 Enforcement—Director's powers and duties.

§12.80.560 Identification for inspectors and maintenance personnel.

§12.80.570 Obstructing access to facilities prohibited.

§12.80.580 Inspection to ascertain compliance—Access required.

§12.80.590 Interference with inspector prohibited.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.80.650 Conflicts with other code sections.

§12.80.660 Severability.

§12.80.700 Purpose.

§12.80.710 Applicability.

§12.80.720 Registration required.

§12.80.730 Exempt facilities.

§12.80.740 Certificate of inspection—Issuance by the director.

§12.80.750 Certificate of inspection—Suspension or revocation.

§12.80.760 Certificate of inspection—Termination.

§12.80.770 Service fees.

§12.80.780 Fee schedule.

§12.80.790 Credit for overlapping inspection programs.

§12.80.800 Annual review of fees.

Los Angeles County Code, Title 12, Chapter 12.84 LOW IMPACT DEVELOPMENT STANDARDS, including:

§12.84.410 Purpose.

§12.84.420 Definitions.

§12.84.430 Applicability.

§12.84.440 Low Impact Development Standards.

§12.84.445 Hydromodification Control.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Los Angeles County Code, Title 22 PLANNING AND ZONING, Part 6 ENFORCEMENT PROCEDURES, including:

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

Los Angeles County Code, Title 26 BUILDING CODE, including:

§26.103 Violations And Penalties

§26.104 Organization And Enforcement

§26.105 Appeals Boards

§26.106 Permits

§26.107 Fees

§26.108 Inspections

California Government Code §6502

California Government Code §23004

Relationship Of Applicable Ordinances Or Other Legal Authorities To The Requirements of 40 CFR §122.26(d)(2)(i)(A-F) And The Order

Although, depending upon the particular issue, there may be multiple ways in which particular sections of the County's ordinances and State law relate to the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order, the table below indicates the basic relationship with Part VI(A)(2)(a) of the Order:

Order Part VI(A)(2)(a) Items	**Primary Applicable Ordinance/Statute**
i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.	§12.80.410 [illicit discharge prohibited]; §12.80.450 [construction] §12.80.460 [industrial and commercial] §12.80.470 and .480 [industrial and commercial NPDES requirements] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties] §26.104 [enforcement] §26.106 [permits] §26.108 [inspections]
ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A.	§12.80.410 [illicit discharge prohibited]
iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4.	§12.80.410 [illicit discharge prohibited]; §12.80.420 [illicit connections prohibited]
iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4.	§12.80.410 [illicit discharge prohibited]; §12.80.440 [littering and other polluting prohibited]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows).	§12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.620 [nuisance abatement] §12.80.635 [violation penalty] §12.80.640 [penalties not exclusive] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties] §26.104 [enforcement] §26.106 [permits] §26.108 [inspections]
vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders.	Same as item v., above

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Copermittees.	California Government Code §6502 and §23004
viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation.	California Government Code §6502 and §23004
ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4.	§12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.80.620 [nuisance abatement] §12.80.635 [violation penalty] §12.80.640 [penalties not exclusive] §22.60.380 [enforcement.] §26.106 [permits] §26.108 [inspections]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations.	§12.80.450 [construction mitigation] §12.80.500 [good housekeeping practices] §12.80.510 [construction BMPs] §12.80.520 [industrial/commercial BMPs] §12.84.440 [LID standards] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections]
xi. Require that structural BMPs are properly operated and maintained.	§12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections]
xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.	§12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections]

Order Part VI(A)(2)(b)(ii)

"*Identification of the local administrative and legal procedures available to mandate compliance with applicable municipal ordinances identified in subsection (i) above and therefore with the conditions of this Order, and a statement as to whether enforcement actions can be completed administratively or whether they must be commenced and completed in the judicial system.*"

The local administrative and legal procedures available to mandate compliance with the above ordinances are specified in those ordinances, particularly in:

§12.80.550 Enforcement—Director's powers and duties.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Title 26, §103 Violations And Penalties

Title 26, §104 Organization And Enforcement

Title 26, §105 Appeals Boards

Title 26, §106 Permits

Title 22 PLANNING AND ZONING, Part 6 ENFORCEMENT PROCEDURES, including:

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

The County attempts to first resolve each enforcement action administratively. However, the above cited ordinances also provide the County with the authority to pursue such actions in the judicial system as necessary.

Very truly yours,

JOHN F. KRATTLI
County Counsel

By
JUDITH A. FRIES
Principal Deputy County Counsel
Public Works Division

JAF:jyj

PAGE INTENTIONALLY LEFT BLANK

COUNTY OF LOS ANGELES
OFFICE OF THE COUNTY COUNSEL
648 KENNETH HAHN HALL OF ADMINISTRATION
500 WEST TEMPLE STREET
LOS ANGELES, CALIFORNIA 90012-2713

TELEPHONE
(213) 974-1923
FACSIMILE
(213) 687-7337
TDD
(213) 633-0901

JOHN F. KRATTLI
County Counsel

December 16, 2013

Mr. Samuel Unger, P.E., Executive Officer
California Regional Water Quality Control Board – Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013-2343

Attention: Mr. Ivar Ridgeway

Re: Certification By Legal Counsel For Los Angeles County Flood Control District's Annual Report

Dear Mr. Unger:

Pursuant to the requirements of Part VI(A)(2)(b) of Order No. R4-2012-0175 (the "Order"), the Office of the County Counsel of the County of Los Angeles makes the following certification in support of the Annual Report of the Los Angeles County Flood Control District ("LACFCD"):

Certification Pursuant To Order Part VI(A)(2)(b)

"*Each Permittee must submit a statement certified by its chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and this Order.*"

LACFCD has the legal authority within its jurisdiction to implement and enforce each of the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order.

Order Part VI(A)(2)(b)(i)

"*Citation of applicable municipal ordinances or other appropriate legal authorities and their relationship to the requirements of 40 CFR §122.26(d)(2)(i)(A-F) and this Order*"

Citations Of Applicable Ordinances Or Other Legal Authorities

Although many portions of State law, the Charter of the County of Los Angeles, the Los Angeles County Code and LACFCD's Flood Control District Code ("Code") are potentially applicable to the implementation and enforcement of these requirements, the primary applicable laws and ordinances are as follows:

Los Angeles County Code, Title 12, Chapter 12.80 STORMWATER AND RUNOFF POLLUTION CONTROL, including:

§12.80.010 - §12.80.360 Definitions

§12.80.370 Short title.

§12.80.380 Purpose and intent.

§12.80.390 Applicability of this chapter.

§12.80.400 Standards, guidelines and criteria.

§12.80.410 Illicit discharges prohibited.

§12.80.420 Installation or use of illicit connections prohibited.

§12.80.430 Removal of illicit connection from the storm drain system.

§12.80.440 Littering and other discharge of polluting or damaging substances prohibited.

§12.80.450 Stormwater and runoff pollution mitigation for construction activity.

§12.80.460 Prohibited discharges from industrial or commercial activity.

§12.80.470 Industrial/commercial facility sources required to obtain a NPDES permit.

§12.80.480 Public facility sources required to obtain a NPDES permit.

§12.80.490 Notification of uncontrolled discharges required.

§12.80.500 Good housekeeping provisions.

§12.80.510 Best management practices for construction activity.

§12.80.520 Best management practices for industrial and commercial facilities.

§12.80.530 Installation of structural BMPs.

§12.80.540 BMPs to be consistent with environmental goals.

§12.80.550 Enforcement—Director's powers and duties.

§12.80.560 Identification for inspectors and maintenance personnel.

§12.80.570 Obstructing access to facilities prohibited.

§12.80.580 Inspection to ascertain compliance—Access required.

§12.80.590 Interference with inspector prohibited.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.80.650 Conflicts with other code sections.

§12.80.660 Severability.

§12.80.700 Purpose.

§12.80.710 Applicability.

§12.80.720 Registration required.

§12.80.730 Exempt facilities.

§12.80.740 Certificate of inspection—Issuance by the director.

§12.80.750 Certificate of inspection—Suspension or revocation.

§12.80.760 Certificate of inspection—Termination.

§12.80.770 Service fees.

§12.80.780 Fee schedule.

§12.80.790 Credit for overlapping inspection programs.

§12.80.800 Annual review of fees.

Los Angeles County Code, Title 12, Chapter 12.84 LOW IMPACT DEVELOPMENT STANDARDS, including:

§12.84.410 Purpose.

§12.84.420 Definitions.

§12.84.430 Applicability.

§12.84.440 Low Impact Development Standards.

§12.84.445 Hydromodification Control.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Los Angeles County Code, Title 22 PLANNING AND ZONING, Part 6 ENFORCEMENT PROCEDURES, including:

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

Los Angeles County Code, Title 26 BUILDING CODE, including:

§26.103 Violations And Penalties

§26.104 Organization And Enforcement

§26.105 Appeals Boards

§26.106 Permits

§26.107 Fees

§26.108 Inspections

LACFCD Code Chapter 21 - STORMWATER AND RUNOFF POLLUTION CONTROL including:

§21.01 Purpose and Intent

§21.03 Definitions

§21.05 Standards, Guidelines, and Criteria

§21.07 Prohibited Discharges

§21.09 Installation or Use of Illicit Connections Prohibited

§21.11 Littering Prohibited

§21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity

§21.15 Notification of Uncontrolled Discharges Required

§21.17 Requirement to Monitor and Analyze

§21.19 Conflicts With Other Code Sections

§21.21 Severability

§21.23 Violation a Public Nuisance

California Government Code §6502

California Government Code §23004

California Water Code §8100 *et. seq.*

Relationship Of Applicable Ordinances Or Other Legal Authorities To The Requirements of 40 CFR §122.26(d)(2)(i)(A-F) And The Order

Although, depending upon the particular issue, there may be multiple ways in which particular sections of the County of Los Angeles' ordinances, LACFCD's ordinances, and statutes relate to the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order, the table below indicates the basic relationship with Part VI(A)(2)(a) of the Order:

Order Part VI(A)(2)(a) Items	**Primary Applicable Ordinance/Statute**
i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited]; §12.80.450 [construction] §12.80.460 [industrial and commercial] §12.80.470 and .480 [industrial and commercial NPDES requirements] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§26.104 [enforcement] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited] LACFCD Code: §21.07 Prohibited Discharges
iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited]; §12.80.420 [illicit connections prohibited] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.23 Violation a Public Nuisance

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited]; §12.80.440 [littering and other polluting prohibited] LACFCD Code: §19.07 Interference With or Placing Obstructions, Refuse, Contaminating Substances, or Invasive Species in Facilities Prohibited §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows).	Los Angeles County Code: §12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.620 [nuisance abatement] §12.80.635 [violation penalty]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§12.80.640 [penalties not exclusive] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties] §26.104 [enforcement] §26.106 [permits] §26.108 [inspections] LACFCD Code: §19.11 Violation a Public Nuisance §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§21.19 Conflicts With Other Code Sections §21.23 Violation a Public Nuisance
vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders.	Same as item v., above
vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Copermittees.	California Government Code §6502 California Government Code §23004
viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation.	California Government Code §6502 California Government Code §23004
ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4.	Los Angeles County Code: §12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.80.620 [nuisance abatement] §12.80.635 [violation penalty] §12.80.640 [penalties not exclusive] §22.60.380 [enforcement.] §26.106 [permits] §26.108 [inspections]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations.	Los Angeles County Code: §12.80.450 [construction mitigation] §12.80.500 [good housekeeping practices] §12.80.510 [construction BMPs] §12.80.520 [industrial/commercial BMPs] §12.84.440 [LID standards] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
xi. Require that structural BMPs are properly operated and maintained.	Los Angeles County Code: §12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§21.23 Violation a Public Nuisance
xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.	Los Angeles County Code: §12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance

Order Part VI(A)(2)(b)(ii)

"*Identification of the local administrative and legal procedures available to mandate compliance with applicable municipal ordinances identified in subsection (i) above and therefore with the conditions of this Order, and a statement as to whether enforcement actions can be completed administratively or whether they must be commenced and completed in the judicial system.*"

The local administrative and legal procedures available to mandate compliance with the above ordinances are specified in those ordinances, particularly in:

Los Angeles County Code:

§12.80.550 Enforcement—Director's powers and duties.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Title 26, §103 Violations And Penalties

Title 26, §104 Organization And Enforcement

Title 26, §105 Appeals Boards

Title 26, §106 Permits

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

LACFCD Code:

§21.05 Standards, Guidelines, and Criteria

§21.07 Prohibited Discharges

§21.09 Installation or Use of Illicit Connections Prohibited

§21.11 Littering Prohibited

§21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity

§21.15 Notification of Uncontrolled Discharges Required

§21.17 Requirement to Monitor and Analyze

§21.23 Violation a Public Nuisance

LACFCD attempts to first resolve each enforcement action administratively. However, the above cited ordinances also provide LACFCD with the authority to pursue such actions in the judicial system as necessary.

Very truly yours,

JOHN F. KRATTLI
County Counsel

By
JUDITH A. FRIES
Principal Deputy County Counsel
Public Works Division

JAF:jyj

PAGE INTENTIONALLY LEFT BLANK

CITY OF HAWTHORNE

4455 West 126th Street • Hawthorne, California 90250-4482

Department of Public Works, Engineering Division

Office (310) 349-2980 Fax (310) 978-9862

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013-1105

December 1, 2014

RE: Legal Authority Certification for the City of Hawthorne

The City, by and through its legal counsel, hereby submits the following certification, pursuant to Part VI.A.2 of Order No. R4-2012-0175, issued by the Regional Water Quality Control Board – Los Angeles Region ("RWQCB"), adopted on December 28, 2012 and entitled "Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles County, except those Discharges Originating from the City of Long Beach (MS4)" [NPDES No. CAS004001] (the "2012 NPDES Permit"). Part VI.A.2 of the 2012 NPDES Permit requires the City, as a Permittee, to submit a new or updated statement by its legal counsel that the Permittee has obtained all necessary legal authority to comply with the Permit.

The City, as a general law city, has broad general police powers under the Constitution of the State of California to enact legislation for health and public welfare of the community to the extent not preempted by federal or state law. In addition to the provisions of the municipal Code, which provide various enforcement and nuisance abatement powers, the City has adopted specific stormwater ordinances for the purpose of ensuring that it has adequate legal authority to implement and enforce its stormwater control program and to implement the programs prescribed by the 2012 and preceding NPDES Permits. The City has the authority under the Constitution and statutes of the State of California to enact and enforce these ordinances, and these ordinances were duly enacted. These ordinances contain specific enforcement provisions under the generally applicable enforcement provisions of the Municipal Code.

Based on its prior adoption of comprehensive stormwater ordinances, which have been and continue to be amended as and when required by applicable NPDES permits and RWQCB orders, as well as other parts of its Municipal Code, the City previously submitted statements to the RWQCB confirming that it has all necessary legal authority to control discharges to and from those portions of the Municipal Separate Storm Sewer System (MS4) over which the City has jurisdiction through adoption of ordinances and/or municipal code modifications,

regulations and other legal documents. The purpose of this letter is to provide the RWQCB with an updated statement confirming the City's compliance with Part VI.A.2 of the 2012 NPDES Permit.

In our opinion, as of the date of this letter, the City has adequate legal authority, as envisioned by the 2012 NPDES Permit, the Clean Water Act and applicable regulations promulgated thereunder, specifically, 40 CFR 22.26(d)(2)(i)(A-F), to implement the requirements of the 2012 NPDES Permit by the mandated dates, and to enforce such additional requirements after they have been implemented, consistent with the requirements set forth in the U.S. Environmental Protection Agency's regulations and to the extent permitted by State and Federal law, subject to the limitations on municipal action under the California and United States Constitutions, and that the City has obtained the necessary legal authority to control and prohibit discharges of pollutants into the Municipal Separate Storm Sewer System, as required by the 2012 NPDES Permit.

Should you have any questions regarding the City's legal authority, please feel free to call me at 310-349-2960 or E-Mail me at rmiyahira@cityofhawthorne.org.

Sincerely,

Russell Miyahira
City Attorney

cc: Arnold Shadbehr, P.E.
John L. Hunter & Associates

City of El Segundo

November 18, 2014

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013-1105

RE: Legal Authority Certification for the City of El Segundo to Implement and Enforce the Requirements of LARWQCB Order R4-2012-0175

Dear Mr. Unger:

The City of El Segundo submits this statement in its capacity as a co-permittee under LARWQCB Order R4-2012-0175 (NPDES No. CAS004001) (the "MS4 Permit"), in accordance with Part VI.A.2 of the MS4 Permit.

I am the City Attorney of the City of El Segundo, California. In that capacity, I state that it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit, consistent with the requirements set forth in the regulations implementing the Clean Water Act (40 CFR § 122.26(d)(2)(i)(A-F)), and to the extent permitted by state and federal law and subject to the limitations on municipal action under the California and United States Constitutions.

The primary source of the City's authority is Article 11, § 7 of the California Constitution. The City also has authority under California Water Code § 13002 to adopt and enforce regulations conditioning, restricting and limiting activities which might degrade the quality of waters of the State. In accordance with these laws, the City adopted El Segundo Municipal Code ("ESMC") Chapters 5-4 and 5-7 which include the City's regulations enabling it to implement the MS4 Permit. As the City transitions to the new EWMP requirements, these regulations may be amended to implement the new programs. Nevertheless, the City has already the legal authority as required under Part VI.A.2 of the MS4 Permit.

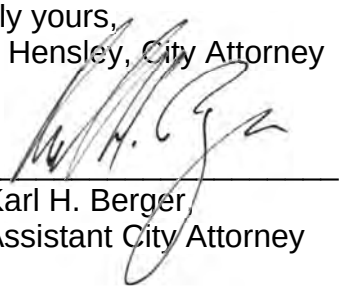
350 Main Street, El Segundo, California 90245-3813
Phone (310)524-2304 Fax (310) 322-7137

California law also authorizes the City to require the use of control measures to prevent or reduce the discharge of pollutants and ensure that such control measures are properly operated and maintained. The City's regulatory authority is supplemented by the California Environmental Quality Act ("CEQA") process by allowing the City to impose enforceable mitigation measures on development projects. As a general law city and municipal corporation, the City may enter into contracts that enable it to carry out its necessary functions including, without limitation, the ability to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

Pursuant to ESMC Chapters 1-2, 1-2A, and § 5-4-11, the City's regulations may be enforced administratively, civilly and criminally. The ESMC also provides various procedures to modify and/or revoke city-issued permits for unlawful and/or environmentally disruptive activity.

Consequently, it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit. Please do not hesitate to contact me should you have any questions or need any additional information

Very truly yours,
Mark D. Hensley, City Attorney

By: 
Karl H. Berger,
Assistant City Attorney

350 Main Street, El Segundo, California 90245-3813
Phone (310)524-2304 Fax (310) 322-7137

JENKINS & HOGIN, LLP
A LAW PARTNERSHIP

MICHAEL JENKINS
CHRISTI HOGIN
JOHN C. COTTI
GREGG W. KETTLES
TARQUIN PREZIOSI
LAUREN LANGER
TREVOR RUSIN
SHAHIEDAH COATES
NATALIE C. KARPELES

MANHATTAN TOWERS
1230 ROSECRANS AVENUE, SUITE 110
MANHATTAN BEACH, CALIFORNIA 90266
(310) 643-8448 • FAX(310) 643-8441
WWW.LOCALGOVLAW.COM

WRITER'S EMAIL ADDRESS:
CHOGIN@LOCALGOVLAW.COM

December 8, 2014

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013-1105

RE: Legal Authority Certification for the City of Lomita to Implement and Enforce the Requirements of LARWQCB Order R4-2012-0175

Dear Mr. Unger:

The City of Lomita submits this statement in its capacity as a co-permittee under LARWQCB Order R4-2012-0175 (NPDES No. CAS004001) (the "MS4 Permit"), in accordance with Part VI.A.2 of the Order.

I am the City Attorney of the City of Lomita, California. In that capacity, I state that it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit, consistent with the requirements set forth in the regulations implementing the Clean Water Act, 40 CFR § 122.26(d)(2)(i)(A-F), and to the extent permitted by state and federal law and subject to the limitations on municipal action under the California and United States Constitutions.

The primary source of the City's authority is Article 11, § 7 of the California Constitution. The City also has authority under § 13002 of the California Water Code to adopt and enforce ordinances conditioning, restricting and limiting activities which might degrade the quality of waters of the State. Pursuant to Article 11, § 7 of the California Constitution and § 13002 of the California Water Code, the City adopted Chapters 5-8 and 5-9 of the Lomita Municipal Code ("LMC"), which contains the City's regulations enabling it to impose the legal requirements of the MS4 Permit (see attached analysis of legal authority). Thus, the City has the legal authority as required under Part VI.A.2 of the MS4 Permit.

Article 11, § 7 also provides the City the authority to require the use of control measures to prevent or reduce the discharge of pollutants and ensure that such control measures are properly

operated and maintained. The City's environmental requirements are also implemented in part through the application of the California Environmental Quality Act ("CEQA") process to proposed projects, as enforceable mitigation measures. The City, as a municipal corporation, has authority to enter into contracts that enable it to carry out its necessary functions, including the power to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

Pursuant to LMC Chapters 1-2 Penalty Provisions, 5-8 Stormwater and Runoff Pollution Control Storm Drains and 5-9 Standard Urban Stormwater Mitigation Plan Implementation, the City's regulations may be enforced administratively through a notice to correct violations, civilly as a public nuisance and criminally. The LMC also provides various procedures to modify and/or revoke city-issued permits for unlawful and/or environmentally disruptive activity.

Consequently, it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit. Please do not hesitate to contact me should you have any questions or need any additional information

Very truly yours,

Christi Hogin
City Attorney

Enclosure

Lomita Statement of Legal Authority

A. The following list shows the relationship of the Lomita Municipal Code[1] and other legal authorities to the MS4 permit requirements under Part VI.A.2 of the Permit:

i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC Chapter 5-9 Standard Urban Stormwater Mitigation Plan Implementation; LCC 12.80.450 Stormwater and Runoff Pollution Mitigation for Construction Activity; LCC 12.80.460 Prohibited Discharges from Industrial and Commercial Activity; LCC 12.80.470 Industrial/Commercial Facility Sources Required to Obtain NPDES Permit

ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LCC 12.80.410 Illicit Discharges Prohibited

iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LCC 12.80.410 Illicit Discharges Prohibited; LCC 12.80.420 Installation or Use of Illicit Connection to Stormdrain Prohibited; LCC 12.80.430 Removal of Illicit Connection from Stormdrain System

iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LCC 12.80.440 Littering and Other Discharge of

[1] LMC 5-8-02 adopts by reference Chapter 12.80 of Title 12 of the Los Angeles County Code. All references to LCC are from this Chapter 12.80.

Polluting or Damaging Substances Prohibited

v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows).

LMC Chapter 1-2 Penalty Provisions; LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC Chapter 5-9 Standard Urban Stormwater Mitigation Plan Implementation; Part 4 of LCC Chapter 12.80 Runoff Management Requirements and Part 5 of LCC Chapter 12.80 Violations and Enforcement

vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders.

LMC Chapter 1-2 Penalty Provisions; LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-200 Violations; Part 5 of LCC Chapter 12.80 Violations and Enforcement

vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Co-permittees.

In addition to the provisions of LMC Chapter 5-8, which control the contribution of pollutants, the City, as a municipal corporation, has authority to enter into contracts that enable it to carry out its necessary functions, including the power to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation.

In addition to the provisions of LMC Chapter 5-8, which control the contribution of pollutants, the City, as a municipal corporation, has authority to enter into contracts that enable it to carry out its necessary functions, including the power to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances,

permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-210 Inspections; LCC 12.80.580 Inspection to Ascertain Compliance—Access Required

x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations.

Article 11, § 7 of the California Constitution; California Public Resources Code § 21000 et seq. (CEQA); LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-06 Best Management Practices; Part 4 of LCC Chapter 12.80 Runoff Management Requirements; LMC Title 11 Zoning

xi. Require that structural BMPs are properly operated and maintained.

Article 11, § 7 of the California Constitution; California Public Resources Code § 21000 et seq. (CEQA); LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-060 Best Management Practices; LMC 5-9-110 Maintenance of Best Management Practices; LMC 5-9-120 Design Standards for Best Management Practices; Part 4 of LCC Chapter 12.80 Runoff Management Requirements; LMC Title 11 Zoning

xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.

California Public Resources Code § 21000 et seq. (CEQA); LMC Chapter 1-2 Penalty Provisions; LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-200 Violations; Part 5 of LCC Chapter 12.80 Violations and Enforcement

B. Procedures available to mandate compliance with applicable municipal ordinances under LMC Chapters 1-2 Penalty Provisions, 5-8 Stormwater and Runoff Pollution Control and 5-9 Standard Urban Stormwater Mitigation Plan Implementation and LCC Chapter 12.80:

1. Criminal Citation (judicial)

2. Administrative Notice of Violation (administrative)
3. Civil Nuisance Abatement (judicial)
4. Permit Revocation/Modification (administrative)
5. All other criminal and civil remedies available by law

COUNTY OF LOS ANGELES
OFFICE OF THE COUNTY COUNSEL

648 KENNETH HAHN HALL OF ADMINISTRATION
500 WEST TEMPLE STREET
LOS ANGELES, CALIFORNIA 90012-2713

TELEPHONE
(213) 974-1923
FACSIMILE
(213) 687-7337
TDD
(213) 633-0901

JOHN F. KRATTLI
County Counsel

December 16, 2013

Mr. Samuel Unger, P.E., Executive Officer
California Regional Water Quality Control Board – Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013-2343

Attention: Mr. Ivar Ridgeway

Re: Certification By Legal Counsel For County of Los Angeles' Annual Report

Dear Mr. Unger:

Pursuant to the requirements of Part VI(A)(2)(b) of Order No. R4-2012-0175 (the "Order"), the Office of the County Counsel of the County of Los Angeles makes the following certification in support of the Annual Report of the County of Los Angeles ("County"):

Certification Pursuant To Order Part VI(A)(2)(b)

"*Each Permittee must submit a statement certified by its chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and this Order.*"

The County has the legal authority within its jurisdiction to implement and enforce each of the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order.

Order Part VI(A)(2)(b)(i)

"*Citation of applicable municipal ordinances or other appropriate legal authorities and their relationship to the requirements of 40 CFR §122.26(d)(2)(i)(A-F) and this Order*"

Citations Of Applicable Ordinances Or Other Legal Authorities

Although many portions of State law, the Charter of the County of Los Angeles and the Los Angeles County Code are potentially applicable to the implementation and enforcement of these requirements, the primary applicable laws and ordinances are as follows:

Los Angeles County Code, Title 12, Chapter 12.80 STORMWATER AND RUNOFF POLLUTION CONTROL, including:

§12.80.010 - §12.80.360 Definitions

§12.80.370 Short title.

§12.80.380 Purpose and intent.

§12.80.390 Applicability of this chapter.

§12.80.400 Standards, guidelines and criteria.

§12.80.410 Illicit discharges prohibited.

§12.80.420 Installation or use of illicit connections prohibited.

§12.80.430 Removal of illicit connection from the storm drain system.

§12.80.440 Littering and other discharge of polluting or damaging substances prohibited.

§12.80.450 Stormwater and runoff pollution mitigation for construction activity.

§12.80.460 Prohibited discharges from industrial or commercial activity.

§12.80.470 Industrial/commercial facility sources required to obtain a NPDES permit.

§12.80.480 Public facility sources required to obtain a NPDES permit.

§12.80.490 Notification of uncontrolled discharges required.

§12.80.500 Good housekeeping provisions.

§12.80.510 Best management practices for construction activity.

§12.80.520 Best management practices for industrial and commercial facilities.

§12.80.530 Installation of structural BMPs.

§12.80.540 BMPs to be consistent with environmental goals.

§12.80.550 Enforcement—Director's powers and duties.

§12.80.560 Identification for inspectors and maintenance personnel.

§12.80.570 Obstructing access to facilities prohibited.

§12.80.580 Inspection to ascertain compliance—Access required.

§12.80.590 Interference with inspector prohibited.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.80.650 Conflicts with other code sections.

§12.80.660 Severability.

§12.80.700 Purpose.

§12.80.710 Applicability.

§12.80.720 Registration required.

§12.80.730 Exempt facilities.

§12.80.740 Certificate of inspection—Issuance by the director.

§12.80.750 Certificate of inspection—Suspension or revocation.

§12.80.760 Certificate of inspection—Termination.

§12.80.770 Service fees.

§12.80.780 Fee schedule.

§12.80.790 Credit for overlapping inspection programs.

§12.80.800 Annual review of fees.

Los Angeles County Code, Title 12, Chapter 12.84 LOW IMPACT DEVELOPMENT STANDARDS, including:

§12.84.410 Purpose.

§12.84.420 Definitions.

§12.84.430 Applicability.

§12.84.440 Low Impact Development Standards.

§12.84.445 Hydromodification Control.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Los Angeles County Code, Title 22 PLANNING AND ZONING, Part 6 ENFORCEMENT PROCEDURES, including:

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

Los Angeles County Code, Title 26 BUILDING CODE, including:

§26.103 Violations And Penalties

§26.104 Organization And Enforcement

§26.105 Appeals Boards

§26.106 Permits

§26.107 Fees

§26.108 Inspections

California Government Code §6502

California Government Code §23004

Relationship Of Applicable Ordinances Or Other Legal Authorities To The Requirements of 40 CFR §122.26(d)(2)(i)(A-F) And The Order

Although, depending upon the particular issue, there may be multiple ways in which particular sections of the County's ordinances and State law relate to the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order, the table below indicates the basic relationship with Part VI(A)(2)(a) of the Order:

Order Part VI(A)(2)(a) Items	**Primary Applicable Ordinance/Statute**
i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.	§12.80.410 [illicit discharge prohibited]; §12.80.450 [construction] §12.80.460 [industrial and commercial] §12.80.470 and .480 [industrial and commercial NPDES requirements] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties] §26.104 [enforcement] §26.106 [permits] §26.108 [inspections]
ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A.	§12.80.410 [illicit discharge prohibited]
iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4.	§12.80.410 [illicit discharge prohibited]; §12.80.420 [illicit connections prohibited]
iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4.	§12.80.410 [illicit discharge prohibited]; §12.80.440 [littering and other polluting prohibited]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows).	§12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.620 [nuisance abatement] §12.80.635 [violation penalty] §12.80.640 [penalties not exclusive] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties] §26.104 [enforcement] §26.106 [permits] §26.108 [inspections]
vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders.	Same as item v., above

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Copermittees.	California Government Code §6502 and §23004
viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation.	California Government Code §6502 and §23004
ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4.	§12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.80.620 [nuisance abatement] §12.80.635 [violation penalty] §12.80.640 [penalties not exclusive] §22.60.380 [enforcement.] §26.106 [permits] §26.108 [inspections]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations.	§12.80.450 [construction mitigation] §12.80.500 [good housekeeping practices] §12.80.510 [construction BMPs] §12.80.520 [industrial/commercial BMPs] §12.84.440 [LID standards] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections]
xi. Require that structural BMPs are properly operated and maintained.	§12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections]
xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.	§12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections]

Order Part VI(A)(2)(b)(ii)

"*Identification of the local administrative and legal procedures available to mandate compliance with applicable municipal ordinances identified in subsection (i) above and therefore with the conditions of this Order, and a statement as to whether enforcement actions can be completed administratively or whether they must be commenced and completed in the judicial system.*"

The local administrative and legal procedures available to mandate compliance with the above ordinances are specified in those ordinances, particularly in:

§12.80.550 Enforcement—Director's powers and duties.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Title 26, §103 Violations And Penalties

Title 26, §104 Organization And Enforcement

Title 26, §105 Appeals Boards

Title 26, §106 Permits

Title 22 PLANNING AND ZONING, Part 6 ENFORCEMENT PROCEDURES, including:

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

The County attempts to first resolve each enforcement action administratively. However, the above cited ordinances also provide the County with the authority to pursue such actions in the judicial system as necessary.

Very truly yours,

JOHN F. KRATTLI
County Counsel

By
JUDITH A. FRIES
Principal Deputy County Counsel
Public Works Division

JAF:jyj

PAGE INTENTIONALLY LEFT BLANK

COUNTY OF LOS ANGELES
OFFICE OF THE COUNTY COUNSEL
648 KENNETH HAHN HALL OF ADMINISTRATION
500 WEST TEMPLE STREET
LOS ANGELES, CALIFORNIA 90012-2713

TELEPHONE
(213) 974-1923
FACSIMILE
(213) 687-7337
TDD
(213) 633-0901

JOHN F. KRATTLI
County Counsel

December 16, 2013

Mr. Samuel Unger, P.E., Executive Officer
California Regional Water Quality Control Board – Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013-2343

Attention: Mr. Ivar Ridgeway

Re: Certification By Legal Counsel For Los Angeles County Flood Control District's Annual Report

Dear Mr. Unger:

Pursuant to the requirements of Part VI(A)(2)(b) of Order No. R4-2012-0175 (the "Order"), the Office of the County Counsel of the County of Los Angeles makes the following certification in support of the Annual Report of the Los Angeles County Flood Control District ("LACFCD"):

Certification Pursuant To Order Part VI(A)(2)(b)

"*Each Permittee must submit a statement certified by its chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and this Order.*"

LACFCD has the legal authority within its jurisdiction to implement and enforce each of the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order.

Order Part VI(A)(2)(b)(i)

"*Citation of applicable municipal ordinances or other appropriate legal authorities and their relationship to the requirements of 40 CFR §122.26(d)(2)(i)(A-F) and this Order*"

Citations Of Applicable Ordinances Or Other Legal Authorities

Although many portions of State law, the Charter of the County of Los Angeles, the Los Angeles County Code and LACFCD's Flood Control District Code ("Code") are potentially applicable to the implementation and enforcement of these requirements, the primary applicable laws and ordinances are as follows:

Los Angeles County Code, Title 12, Chapter 12.80 STORMWATER AND RUNOFF POLLUTION CONTROL, including:

§12.80.010 - §12.80.360 Definitions

§12.80.370 Short title.

§12.80.380 Purpose and intent.

§12.80.390 Applicability of this chapter.

§12.80.400 Standards, guidelines and criteria.

§12.80.410 Illicit discharges prohibited.

§12.80.420 Installation or use of illicit connections prohibited.

§12.80.430 Removal of illicit connection from the storm drain system.

§12.80.440 Littering and other discharge of polluting or damaging substances prohibited.

§12.80.450 Stormwater and runoff pollution mitigation for construction activity.

§12.80.460 Prohibited discharges from industrial or commercial activity.

§12.80.470 Industrial/commercial facility sources required to obtain a NPDES permit.

§12.80.480 Public facility sources required to obtain a NPDES permit.

§12.80.490 Notification of uncontrolled discharges required.

§12.80.500 Good housekeeping provisions.

§12.80.510 Best management practices for construction activity.

§12.80.520 Best management practices for industrial and commercial facilities.

§12.80.530 Installation of structural BMPs.

§12.80.540 BMPs to be consistent with environmental goals.

§12.80.550 Enforcement—Director's powers and duties.

§12.80.560 Identification for inspectors and maintenance personnel.

§12.80.570 Obstructing access to facilities prohibited.

§12.80.580 Inspection to ascertain compliance—Access required.

§12.80.590 Interference with inspector prohibited.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.80.650 Conflicts with other code sections.

§12.80.660 Severability.

§12.80.700 Purpose.

§12.80.710 Applicability.

§12.80.720 Registration required.

§12.80.730 Exempt facilities.

§12.80.740 Certificate of inspection—Issuance by the director.

§12.80.750 Certificate of inspection—Suspension or revocation.

§12.80.760 Certificate of inspection—Termination.

§12.80.770 Service fees.

§12.80.780 Fee schedule.

§12.80.790 Credit for overlapping inspection programs.

§12.80.800 Annual review of fees.

Los Angeles County Code, Title 12, Chapter 12.84 LOW IMPACT DEVELOPMENT STANDARDS, including:

§12.84.410 Purpose.

§12.84.420 Definitions.

§12.84.430 Applicability.

§12.84.440 Low Impact Development Standards.

§12.84.445 Hydromodification Control.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Los Angeles County Code, Title 22 PLANNING AND ZONING, Part 6 ENFORCEMENT PROCEDURES, including:

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

Los Angeles County Code, Title 26 BUILDING CODE, including:

§26.103 Violations And Penalties

§26.104 Organization And Enforcement

§26.105 Appeals Boards

§26.106 Permits

§26.107 Fees

§26.108 Inspections

LACFCD Code Chapter 21 - STORMWATER AND RUNOFF POLLUTION CONTROL including:

§21.01 Purpose and Intent

§21.03 Definitions

§21.05 Standards, Guidelines, and Criteria

§21.07 Prohibited Discharges

§21.09 Installation or Use of Illicit Connections Prohibited

§21.11 Littering Prohibited

§21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity

§21.15 Notification of Uncontrolled Discharges Required

§21.17 Requirement to Monitor and Analyze

§21.19 Conflicts With Other Code Sections

§21.21 Severability

§21.23 Violation a Public Nuisance

California Government Code §6502

California Government Code §23004

California Water Code §8100 *et. seq.*

Relationship Of Applicable Ordinances Or Other Legal Authorities To The Requirements of 40 CFR §122.26(d)(2)(i)(A-F) And The Order

Although, depending upon the particular issue, there may be multiple ways in which particular sections of the County of Los Angeles' ordinances, LACFCD's ordinances, and statutes relate to the requirements contained in 40 CFR §122.26(d)(2)(i)(A-F) and the Order, the table below indicates the basic relationship with Part VI(A)(2)(a) of the Order:

Order Part VI(A)(2)(a) Items	**Primary Applicable Ordinance/Statute**
i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited]; §12.80.450 [construction] §12.80.460 [industrial and commercial] §12.80.470 and .480 [industrial and commercial NPDES requirements] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§26.104 [enforcement] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited] LACFCD Code: §21.07 Prohibited Discharges
iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited]; §12.80.420 [illicit connections prohibited] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.23 Violation a Public Nuisance

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4.	Los Angeles County Code: §12.80.410 [illicit discharge prohibited]; §12.80.440 [littering and other polluting prohibited] LACFCD Code: §19.07 Interference With or Placing Obstructions, Refuse, Contaminating Substances, or Invasive Species in Facilities Prohibited §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows).	Los Angeles County Code: §12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.620 [nuisance abatement] §12.80.635 [violation penalty]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§12.80.640 [penalties not exclusive] §12.84.440 [LID standards] §12.84.445 [hydromodification control] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.340 [violations] §22.60.350 [public nuisance] §22.60.360 [infractions] §22.60.370 [injunction] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.103 [violations and penalties] §26.104 [enforcement] §26.106 [permits] §26.108 [inspections] LACFCD Code: §19.11 Violation a Public Nuisance §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§21.19 Conflicts With Other Code Sections §21.23 Violation a Public Nuisance
vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders.	Same as item v., above
vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Copermittees.	California Government Code §6502 California Government Code §23004
viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation.	California Government Code §6502 California Government Code §23004
ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances, permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4.	Los Angeles County Code: §12.80.490 [notification of uncontrolled discharge] §12.80.570 [obstructing access to facilities] §12.80.580 [compliance inspection] §12.80.610 [violation a nuisance] §12.80.620 [nuisance abatement] §12.80.635 [violation penalty] §12.80.640 [penalties not exclusive] §22.60.380 [enforcement.] §26.106 [permits] §26.108 [inspections]

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations.	Los Angeles County Code: §12.80.450 [construction mitigation] §12.80.500 [good housekeeping practices] §12.80.510 [construction BMPs] §12.80.520 [industrial/commercial BMPs] §12.84.440 [LID standards] §12.84.450 [LID Plan Review] §22.60.330 [general prohibitions] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance
xi. Require that structural BMPs are properly operated and maintained.	Los Angeles County Code: §12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze

Order Part VI(A)(2)(a) Items	Primary Applicable Ordinance/Statute
	§21.23 Violation a Public Nuisance
xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.	Los Angeles County Code: §12.80.530 [installation of structural BMPs] §22.60.380 [enforcement.] §22.60.390 [zoning enforcement order] §26.106 [permits] §26.108 [inspections] LACFCD Code: §21.05 Standards, Guidelines, and Criteria §21.07 Prohibited Discharges §21.09 Installation or Use of Illicit Connections Prohibited §21.11 Littering Prohibited §21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity §21.15 Notification of Uncontrolled Discharges Required §21.17 Requirement to Monitor and Analyze §21.23 Violation a Public Nuisance

Order Part VI(A)(2)(b)(ii)

"*Identification of the local administrative and legal procedures available to mandate compliance with applicable municipal ordinances identified in subsection (i) above and therefore with the conditions of this Order, and a statement as to whether enforcement actions can be completed administratively or whether they must be commenced and completed in the judicial system.*"

The local administrative and legal procedures available to mandate compliance with the above ordinances are specified in those ordinances, particularly in:

Los Angeles County Code:

§12.80.550 Enforcement—Director's powers and duties.

§12.80.600 Notice to correct violations—Director may take action.

§12.80.610 Violation a public nuisance.

§12.80.620 Nuisance abatement—Director to perform work when—Costs.

§12.80.630 Violation—Penalty.

§12.80.635 Administrative fines.

§12.80.640 Penalties not exclusive.

§12.84.450 LID Plan Review.

§12.84.460 Additional Requirements.

Title 26, §103 Violations And Penalties

Title 26, §104 Organization And Enforcement

Title 26, §105 Appeals Boards

Title 26, §106 Permits

§22.60.330 General prohibitions.

§22.60.340 Violations.

§22.60.350 Public nuisance.

§22.60.360 Infractions.

§22.60.370 Injunction.

§22.60.380 Enforcement.

§22.60.390 Zoning enforcement order and noncompliance fee.

LACFCD Code:

§21.05 Standards, Guidelines, and Criteria

§21.07 Prohibited Discharges

§21.09 Installation or Use of Illicit Connections Prohibited

§21.11 Littering Prohibited

§21.13 Evidence of Compliance With Permit Requirements for Industrial or Commercial Activity

§21.15 Notification of Uncontrolled Discharges Required

§21.17 Requirement to Monitor and Analyze

§21.23 Violation a Public Nuisance

LACFCD attempts to first resolve each enforcement action administratively. However, the above cited ordinances also provide LACFCD with the authority to pursue such actions in the judicial system as necessary.

Very truly yours,

JOHN F. KRATTLI
County Counsel

By
JUDITH A. FRIES
Principal Deputy County Counsel
Public Works Division

JAF:jyj

PAGE INTENTIONALLY LEFT BLANK

City of El Segundo

November 18, 2014

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013-1105

RE: Legal Authority Certification for the City of El Segundo to Implement and Enforce the Requirements of LARWQCB Order R4-2012-0175

Dear Mr. Unger:

The City of El Segundo submits this statement in its capacity as a co-permittee under LARWQCB Order R4-2012-0175 (NPDES No. CAS004001) (the "MS4 Permit"), in accordance with Part VI.A.2 of the MS4 Permit.

I am the City Attorney of the City of El Segundo, California. In that capacity, I state that it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit, consistent with the requirements set forth in the regulations implementing the Clean Water Act (40 CFR § 122.26(d)(2)(i)(A-F)), and to the extent permitted by state and federal law and subject to the limitations on municipal action under the California and United States Constitutions.

The primary source of the City's authority is Article 11, § 7 of the California Constitution. The City also has authority under California Water Code § 13002 to adopt and enforce regulations conditioning, restricting and limiting activities which might degrade the quality of waters of the State. In accordance with these laws, the City adopted El Segundo Municipal Code ("ESMC") Chapters 5-4 and 5-7 which include the City's regulations enabling it to implement the MS4 Permit. As the City transitions to the new EWMP requirements, these regulations may be amended to implement the new programs. Nevertheless, the City has already the legal authority as required under Part VI.A.2 of the MS4 Permit.

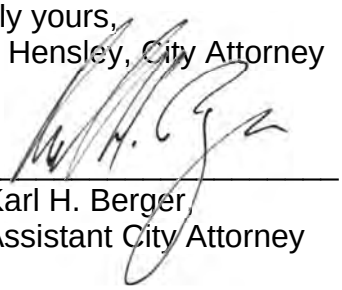
350 Main Street, El Segundo, California 90245-3813
Phone (310)524-2304 Fax (310) 322-7137

California law also authorizes the City to require the use of control measures to prevent or reduce the discharge of pollutants and ensure that such control measures are properly operated and maintained. The City's regulatory authority is supplemented by the California Environmental Quality Act ("CEQA") process by allowing the City to impose enforceable mitigation measures on development projects. As a general law city and municipal corporation, the City may enter into contracts that enable it to carry out its necessary functions including, without limitation, the ability to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

Pursuant to ESMC Chapters 1-2, 1-2A, and § 5-4-11, the City's regulations may be enforced administratively, civilly and criminally. The ESMC also provides various procedures to modify and/or revoke city-issued permits for unlawful and/or environmentally disruptive activity.

Consequently, it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit. Please do not hesitate to contact me should you have any questions or need any additional information

Very truly yours,
Mark D. Hensley, City Attorney

By: 
Karl H. Berger,
Assistant City Attorney

350 Main Street, El Segundo, California 90245-3813
Phone (310)524-2304 Fax (310) 322-7137

CITY OF HAWTHORNE

4455 West 126th Street • Hawthorne, California 90250-4482

Department of Public Works, Engineering Division

Office (310) 349-2980 Fax (310) 978-9862

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013-1105

December 1, 2014

RE: Legal Authority Certification for the City of Hawthorne

The City, by and through its legal counsel, hereby submits the following certification, pursuant to Part VI.A.2 of Order No. R4-2012-0175, issued by the Regional Water Quality Control Board – Los Angeles Region ("RWQCB"), adopted on December 28, 2012 and entitled "Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles County, except those Discharges Originating from the City of Long Beach (MS4)" [NPDES No. CAS004001] (the "2012 NPDES Permit"). Part VI.A.2 of the 2012 NPDES Permit requires the City, as a Permittee, to submit a new or updated statement by its legal counsel that the Permittee has obtained all necessary legal authority to comply with the Permit.

The City, as a general law city, has broad general police powers under the Constitution of the State of California to enact legislation for health and public welfare of the community to the extent not preempted by federal or state law. In addition to the provisions of the municipal Code, which provide various enforcement and nuisance abatement powers, the City has adopted specific stormwater ordinances for the purpose of ensuring that it has adequate legal authority to implement and enforce its stormwater control program and to implement the programs prescribed by the 2012 and preceding NPDES Permits. The City has the authority under the Constitution and statutes of the State of California to enact and enforce these ordinances, and these ordinances were duly enacted. These ordinances contain specific enforcement provisions under the generally applicable enforcement provisions of the Municipal Code.

Based on its prior adoption of comprehensive stormwater ordinances, which have been and continue to be amended as and when required by applicable NPDES permits and RWQCB orders, as well as other parts of its Municipal Code, the City previously submitted statements to the RWQCB confirming that it has all necessary legal authority to control discharges to and from those portions of the Municipal Separate Storm Sewer System (MS4) over which the City has jurisdiction through adoption of ordinances and/or municipal code modifications,

regulations and other legal documents. The purpose of this letter is to provide the RWQCB with an updated statement confirming the City's compliance with Part VI.A.2 of the 2012 NPDES Permit.

In our opinion, as of the date of this letter, the City has adequate legal authority, as envisioned by the 2012 NPDES Permit, the Clean Water Act and applicable regulations promulgated thereunder, specifically, 40 CFR 22.26(d)(2)(i)(A-F), to implement the requirements of the 2012 NPDES Permit by the mandated dates, and to enforce such additional requirements after they have been implemented, consistent with the requirements set forth in the U.S. Environmental Protection Agency's regulations and to the extent permitted by State and Federal law, subject to the limitations on municipal action under the California and United States Constitutions, and that the City has obtained the necessary legal authority to control and prohibit discharges of pollutants into the Municipal Separate Storm Sewer System, as required by the 2012 NPDES Permit.

Should you have any questions regarding the City's legal authority, please feel free to call me at 310-349-2960 or E-Mail me at rmiyahira@cityofhawthorne.org.

Sincerely,

Russell Miyahira
City Attorney

cc: Arnold Shadbehr, P.E.
John L. Hunter & Associates

JENKINS & HOGIN, LLP
A LAW PARTNERSHIP

MICHAEL JENKINS
CHRISTI HOGIN
JOHN C. COTTI
GREGG W. KETTLES
TARQUIN PREZIOSI
LAUREN LANGER
TREVOR RUSIN
SHAHIEDAH COATES
NATALIE C. KARPELES

MANHATTAN TOWERS
1230 ROSECRANS AVENUE, SUITE 110
MANHATTAN BEACH, CALIFORNIA 90266
(310) 643-8448 • FAX(310) 643-8441
WWW.LOCALGOVLAW.COM

WRITER'S EMAIL ADDRESS:
CHOGIN@LOCALGOVLAW.COM

December 8, 2014

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013-1105

RE: Legal Authority Certification for the City of Lomita to Implement and Enforce the Requirements of LARWQCB Order R4-2012-0175

Dear Mr. Unger:

The City of Lomita submits this statement in its capacity as a co-permittee under LARWQCB Order R4-2012-0175 (NPDES No. CAS004001) (the "MS4 Permit"), in accordance with Part VI.A.2 of the Order.

I am the City Attorney of the City of Lomita, California. In that capacity, I state that it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit, consistent with the requirements set forth in the regulations implementing the Clean Water Act, 40 CFR § 122.26(d)(2)(i)(A-F), and to the extent permitted by state and federal law and subject to the limitations on municipal action under the California and United States Constitutions.

The primary source of the City's authority is Article 11, § 7 of the California Constitution. The City also has authority under § 13002 of the California Water Code to adopt and enforce ordinances conditioning, restricting and limiting activities which might degrade the quality of waters of the State. Pursuant to Article 11, § 7 of the California Constitution and § 13002 of the California Water Code, the City adopted Chapters 5-8 and 5-9 of the Lomita Municipal Code ("LMC"), which contains the City's regulations enabling it to impose the legal requirements of the MS4 Permit (see attached analysis of legal authority). Thus, the City has the legal authority as required under Part VI.A.2 of the MS4 Permit.

Article 11, § 7 also provides the City the authority to require the use of control measures to prevent or reduce the discharge of pollutants and ensure that such control measures are properly

operated and maintained. The City's environmental requirements are also implemented in part through the application of the California Environmental Quality Act ("CEQA") process to proposed projects, as enforceable mitigation measures. The City, as a municipal corporation, has authority to enter into contracts that enable it to carry out its necessary functions, including the power to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

Pursuant to LMC Chapters 1-2 Penalty Provisions, 5-8 Stormwater and Runoff Pollution Control Storm Drains and 5-9 Standard Urban Stormwater Mitigation Plan Implementation, the City's regulations may be enforced administratively through a notice to correct violations, civilly as a public nuisance and criminally. The LMC also provides various procedures to modify and/or revoke city-issued permits for unlawful and/or environmentally disruptive activity.

Consequently, it is my opinion that the City has adequate legal authority to implement and enforce the requirements in the MS4 Permit. Please do not hesitate to contact me should you have any questions or need any additional information

Very truly yours,

Christi Hogin
City Attorney

Enclosure

Lomita Statement of Legal Authority

A. The following list shows the relationship of the Lomita Municipal Code[1] and other legal authorities to the MS4 permit requirements under Part VI.A.2 of the Permit:

i. Control the contribution of pollutants to its MS4 from storm water discharges associated with industrial and construction activity and control the quality of storm water discharged from industrial and construction sites. This requirement applies both to industrial and construction sites with coverage under an NPDES permit, as well as to those sites that do not have coverage under an NPDES permit.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC Chapter 5-9 Standard Urban Stormwater Mitigation Plan Implementation; LCC 12.80.450 Stormwater and Runoff Pollution Mitigation for Construction Activity; LCC 12.80.460 Prohibited Discharges from Industrial and Commercial Activity; LCC 12.80.470 Industrial/Commercial Facility Sources Required to Obtain NPDES Permit

ii. Prohibit all non-storm water discharges through the MS4 to receiving waters not otherwise authorized or conditionally exempt pursuant to Part III.A.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LCC 12.80.410 Illicit Discharges Prohibited

iii. Prohibit and eliminate illicit discharges and illicit connections to the MS4.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LCC 12.80.410 Illicit Discharges Prohibited; LCC 12.80.420 Installation or Use of Illicit Connection to Stormdrain Prohibited; LCC 12.80.430 Removal of Illicit Connection from Stormdrain System

iv. Control the discharge of spills, dumping, or disposal of materials other than storm water to its MS4.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LCC 12.80.440 Littering and Other Discharge of

[1] LMC 5-8-02 adopts by reference Chapter 12.80 of Title 12 of the Los Angeles County Code. All references to LCC are from this Chapter 12.80.

Polluting or Damaging Substances Prohibited

v. Require compliance with conditions in Permittee ordinances, permits, contracts or orders (i.e., hold dischargers to its MS4 accountable for their contributions of pollutants and flows).

LMC Chapter 1-2 Penalty Provisions; LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC Chapter 5-9 Standard Urban Stormwater Mitigation Plan Implementation; Part 4 of LCC Chapter 12.80 Runoff Management Requirements and Part 5 of LCC Chapter 12.80 Violations and Enforcement

vi. Utilize enforcement mechanisms to require compliance with applicable ordinances, permits, contracts, or orders.

LMC Chapter 1-2 Penalty Provisions; LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-200 Violations; Part 5 of LCC Chapter 12.80 Violations and Enforcement

vii. Control the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements among Co-permittees.

In addition to the provisions of LMC Chapter 5-8, which control the contribution of pollutants, the City, as a municipal corporation, has authority to enter into contracts that enable it to carry out its necessary functions, including the power to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

viii. Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements with other owners of the MS4 such as the State of California Department of Transportation.

In addition to the provisions of LMC Chapter 5-8, which control the contribution of pollutants, the City, as a municipal corporation, has authority to enter into contracts that enable it to carry out its necessary functions, including the power to enter into interagency agreements to control the contribution of pollutants from one portion of the shared MS4 to another.

ix. Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with applicable municipal ordinances,

permits, contracts and orders, and with the provisions of this Order, including the prohibition of non-storm water discharges into the MS4 and receiving waters. This means the Permittee must have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from entities discharging into its MS4.

LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-210 Inspections; LCC 12.80.580 Inspection to Ascertain Compliance—Access Required

x. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality standards/receiving water limitations.

Article 11, § 7 of the California Constitution; California Public Resources Code § 21000 et seq. (CEQA); LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-06 Best Management Practices; Part 4 of LCC Chapter 12.80 Runoff Management Requirements; LMC Title 11 Zoning

xi. Require that structural BMPs are properly operated and maintained.

Article 11, § 7 of the California Constitution; California Public Resources Code § 21000 et seq. (CEQA); LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-060 Best Management Practices; LMC 5-9-110 Maintenance of Best Management Practices; LMC 5-9-120 Design Standards for Best Management Practices; Part 4 of LCC Chapter 12.80 Runoff Management Requirements; LMC Title 11 Zoning

xii. Require documentation on the operation and maintenance of structural BMPs and their effectiveness in reducing the discharge of pollutants to the MS4.

California Public Resources Code § 21000 et seq. (CEQA); LMC Chapter 1-2 Penalty Provisions; LMC 5-8-02 Adoption of Los Angeles County Stormwater and Runoff Pollution Ordinance; LMC 5-9-200 Violations; Part 5 of LCC Chapter 12.80 Violations and Enforcement

B. Procedures available to mandate compliance with applicable municipal ordinances under LMC Chapters 1-2 Penalty Provisions, 5-8 Stormwater and Runoff Pollution Control and 5-9 Standard Urban Stormwater Mitigation Plan Implementation and LCC Chapter 12.80:

1. Criminal Citation (judicial)

2. Administrative Notice of Violation (administrative)
3. Civil Nuisance Abatement (judicial)
4. Permit Revocation/Modification (administrative)
5. All other criminal and civil remedies available by law