



CITY OF HERCULES

111 CIVIC DRIVE, HERCULES, CA 94547

PHONE: 510•799•8200

September 16, 2013

Bruce H. Wolfe, Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Ms. Pamela Creedon, Executive Officer
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2012 - 2013 Annual Report for the City of Hercules, which is required by and in accordance with Provision C.16 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and/or by Provision C.13 in NPDES Permit Number CA0083313 issued by the Central Valley Regional Water Quality Control Board.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Very truly yours,

City Manager

ATTACHMENT B

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Section 1 – Permittee Information

Background Information				
Permittee Name:	City of Hercules			
Population:	23,800			
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit) and/or CA00883313 (Central Valley RWQCB Permit)			
Order Number:	R2-2009-0074 (San Francisco Bay RWQCB) and/or R5-2010-0102 (Central Valley RWQCB)			
Reporting Time Period (month/year):	July 2012 through June 2013			
Name of the Responsible Authority:	John J. McGuire	Title:	Municipal Services Director	
Mailing Address:	111 Civic Drive			
City:	Hercules	Zip Code:	94547	County: Contra Costa
Telephone Number:	510-245-6525	Fax Number:	510-799-8249	
E-mail Address:				
Name of the Designated Stormwater Management Program Contact (if different from above):		Title:		
Department:				
Mailing Address:				
City:		Zip Code:		County:
Telephone Number:		Fax Number:		
E-mail Address:				

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:
 The City of Hercules was very involved with the Clean Water Initiative at the committee level as were many others; unfortunately it did not pass. We have also been working to develop our trash map areas including visual inspections. We have cleaned our hot spot, inspected our corporation yard, cleaned our drain inlets, etc. Staff is pleased with the progress made towards identifying and reducing trash loads within our City, and is pleased that we are one of the lowest trash producers of the members within the CCCWP. In addition to these efforts, we continue to participate in the Contra Costa Clean Water Program's (CCCWP's) Management Committee and Municipal Operations Committee. Refer to the C.2 Municipal Operations section of the CCCWP's FY 12-13 Annual Report for a description of activities implemented at the countywide and/or regional level.

C.2.a. ► Street and Road Repair and Maintenance

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
Y	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
Y	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments: Very little activity within the City to report on.

C.2.b. ► Sidewalk/Plaza Maintenance and Pavement Washing

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs
Comments:	

C.2.c. ► Bridge and Structure Maintenance and Graffiti Removal

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
Y	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
N/A	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: City staff removes all graffiti so no contractors. Very rare that we have to remove graffiti; but staff is trained in proper methods of removal, capture, and disposal.	

C.2.d. ► Stormwater Pump Stations

Does your municipality own stormwater pump stations: Yes No

If your answer is **No** then skip to **C.2.e.**

Complete the following table for dry weather DO monitoring and inspection data for pump stations¹ (add more rows for additional pump stations). If a pump station is exempt from DO monitoring, explain why it is exempt.

Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L
None				

Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:

Summary:

Attachments:

Complete the following table for wet weather inspection data for pump stations (add more rows for additional pump stations):

Pump Station Name and Location	Date (2x/year required)	Presence of Trash (Cubic Yards)	Presence of Odor (Yes or No)	Presence of Color (Yes or No)	Presence of Turbidity (Yes or No)	Presence of Floating Hydrocarbons (Yes or No)

¹ DO monitoring is exempted where all discharge from a pump station remains in a stormwater collection system or infiltrates into a dry creek immediately downstream.

C.2.e. ► Rural Public Works Construction and Maintenance

Does your municipality own/maintain rural² roads: Yes No

If your answer is **No** then skip to **C.2.f.**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<input type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<input type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<input type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings

Comments including listing increased maintenance in priority areas:

² Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)		
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input type="checkbox"/>	N/A	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment	
<input checked="" type="checkbox"/>	X	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system	
<input type="checkbox"/>	N/A	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method	
<input checked="" type="checkbox"/>	X	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used	
<input checked="" type="checkbox"/>	X	Cover and/or berm outdoor storage areas containing waste pollutants	
Comments: The City of Hercules corporation yard is more of a storage yard than a corporation yard. No vehicle or parts washing on-site. We have filed a plan of our yard and continue to maintain BMP's as required. Pending inspection coming up for rainy season this September/October. Staff training on BMP's for corporation yard in August 2012 and refresher course to be required in August/September 2013.			
If you have a corporation yard(s) that is not an NOI facility , complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
City of Hercules corporation yard	September 2012	BMP's all in place. Waddles weathered. All covered materials and containers in good order.	Replaced waddles where necessary.

Section 3 - Provision C.3 Reporting New Development and Redevelopment

C.3.b.v.(2)(a) ► Green Streets Status Report

(All projects to be completed by December 1, 2014)

On an annual basis (if applicable), report on the status of any pilot green street projects within your jurisdiction. For each completed project, report the capital costs, operation and maintenance costs, legal and procedural arrangements in place to address operation and maintenance and its associated costs, and the sustainable landscape measures incorporated in the project including, if relevant, the score from the Bay-Friendly Landscape Scorecard.

Summary:

The C.3 New Development and Redevelopment section of the CCCWP's FY 12-13 Annual Report includes a description of activities conducted at the countywide or regional level.

C.3.b.v.(2)(c) ► Summary of Green Street Projects Completed by January 1, 2013

(For FY 12-13 Annual Report only) Provide a summary of all green street projects completed by January 1, 2013.

Summary:

BASMAA has prepared a regional summary of all green street pilot projects. The Green Street Pilot Project Summary Report is being submitted by BASMAA, on behalf of the MRP permittees, in BASMAA's MRP FY 12-13 Regional Supplement – New Development and Redevelopment. The Green Streets Pilot Project Summary Report contains all of the required elements listed in Provision C.3.b.v.(2)(c) for all green street projects completed by January 1, 2013, as well as information on projects not yet completed.

C.3.b.v.(1) ► Regulated Projects Reporting

Fill in attached table **C.3.b.v.(1)** or attach your own table including the same information.

The City of Hercules did not approve any regulated projects this fiscal year.

C.3.e.v. ► Alternative or In-Lieu Compliance with Provision C.3.c.

(For FY 11-12 Annual Report and each Annual Report thereafter) Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Comments (optional):				

C.3.e.vi ► Special Projects Reporting

1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2013 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If you answered "Yes" to either question, 1) Complete Table C.3.e.vi . below. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.				

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

(1) Fill in attached table C.3.h.iv.(1) or attach your own table including the same information.
(2) On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.
Summary: There are no storm water treatment systems to report on.

(3) On an annual basis, provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).						
Summary: No storm water treatment Facilities to report on.						
(4) During the reporting year, did your agency:						
• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	N/A	Not applicable. No new facilities were installed.
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls? ³	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	N/A	
• Inspect at least 20 percent of the total number of installed vault-based systems?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	N/A	
If you answered "No" to any of the questions above, please explain:						

C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects

On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.
Summary: The Contra Costa Clean Water Program adopted a December 1, 2012 addendum to the <i>Stormwater C.3 Guidebook, 6th Edition</i> . The addendum, "Preparing a Stormwater Control Plan for a Small Land Development Project," includes step-by-step instructions, a project data form, and standard specifications for runoff reduction measures. The City of Hercules' stormwater ordinance requires that applications for development approvals for projects subject to the permit's new development requirements include a Stormwater Control Plan meeting the criteria in the most recent version of the <i>Stormwater C.3 Guidebook</i> .

³ If there is only 1 treatment measure in the jurisdiction, the agency must inspect it every year.

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period

Project Name Project No.	Project Location ¹⁰ , Street Address	Name of Developer	Project Phase No. ¹¹	Project Type & Description ¹²	Project Watershed ¹³	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁴	Total Replaced Impervious Surface Area (ft ²) ¹⁵	Total Pre- Project Impervious Surface Area ¹⁶ (ft ²)	Total Post- Project Impervious Surface Area ¹⁷ (ft ²)
Private Projects											
N/A											
Public Projects											
N/A											
Comments: No regulated projects this fiscal year.											

¹⁰ Include cross streets

¹¹ If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

¹² Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

¹³ State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

¹⁴ All impervious surfaces added to any area of the site that was previously existing pervious surface.

¹⁵ All impervious surfaces added to any area of the site that was previously existing impervious surface.

¹⁶ For redevelopment projects, state the pre-project impervious surface area.

¹⁷ For redevelopment projects, state the post-project impervious surface area.

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
Private Projects										
None										

Comments:

¹⁸ For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁹ For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

²⁰ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²¹ List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

²² List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

²³ List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

²⁴ See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

²⁵ For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

²⁶ For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

²⁷ Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁸ If HM control is not required, state why not.

²⁹ If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (public projects)

Project Name Project No.	Approval Date ³⁰	Date Construction Scheduled to Begin	Source Control Measures ³¹	Site Design Measures ³²	Treatment Systems Approved ³³	Operation & Maintenance Responsibility Mechanism ³⁴	Hydraulic Sizing Criteria ³⁵	Alternative Compliance Measures ^{36/37}	Alternative Certification ³⁸	HM Controls ^{39/40}
Public Projects										
None										

Comments:

³⁰ For public projects, enter the plans and specifications approval date.

³¹ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

³² List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

³³ List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

³⁴ List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

³⁵ See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

³⁶ For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

³⁷ For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

³⁸ Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁹ If HM control is not required, state why not.

⁴⁰ If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

C.3.h.iv. ► Table of Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Fill in table below or attach your own table including the same information.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
None									

⁴¹ Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

⁴² State the responsible operator for installed stormwater treatment systems and HM controls.

⁴³ State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

⁴⁴ State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

⁴⁵ State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

⁴⁶ State the enforcement action(s) taken, if any.

C.3.e.vi.Special Projects Reporting Table

Reporting Period – January 1 – June 30, 2013

Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁷	Status ⁴⁸	Description ⁴⁹	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁵⁰	LID Treatment Reduction Credit Available ⁵¹	List of LID Stormwater Treatment Systems ⁵²	List of Non-LID Stormwater Treatment Systems ⁵³
None	None	None	None	None	None	None	None	None	Category A: Category B: Category C: Location: Density: Parking: None	Category A: Category B: Category C: Location: Density: Parking: None	Indicate each type of LID treatment system and the percentage of total runoff treated None	Indicate each type of non-LID treatment system and the percentage of total runoff treated. Indicate whether minimum design criteria met or certification received None

⁴⁷ Date that a planning application for the Special Project was submitted.

⁴⁸ Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

⁴⁹ Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁵⁰ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁵¹ For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

⁵² List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

⁵³ List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Section 4 – Provision C.4 Industrial and Commercial Site Controls

Program Highlights

Provide background information, highlights, trends, etc.

The City of Hercules' business inspection plan and inspections are handled by the East Bay Municipal Utility District. The list of potential business inspections changes annually and includes industrial businesses within the City. Their reports are attached within this report for review. City staff continues to participate in the CCCWP's Municipal Operations Committee. Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWP's FY 12-13 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and/or the BASMAA Municipal Operations Committee.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan? Yes No

If No, explain:

C.4.b.iii.(1) ► Potential Facilities List

List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.

See attachment C.4.b.iii. (1)

C.4.b.iii.(2) ► Facilities Scheduled for Inspection

List below or attach your list of facilities scheduled for inspection during the current fiscal year.

See attachment C.4.b.iii. (2)

C.4.c.iii.(1) ► Facility Inspections

Fill out the following table or attach a summary of the following information. Indicate your violation reporting methodology below.

<input checked="" type="checkbox"/>	Permittee reports multiple discrete violations on a site as one violation.
<input type="checkbox"/>	Permittee reports the total number of discrete violations on each site.

	Number	Percent
Number of businesses inspected	16	
Total number of inspections conducted	20	
Number of violations (excluding verbal warnings)	0	
Sites inspected in violation	2	100%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	2	100%

Comments:
 EBMUD conducts all inspections and reports that the main violations were for blowing trash and uncovered trash receptacles. Verbal warnings only with follow up inspections for compliance. All facilities corrected initial findings and cases were considered resolved.

C.4.c.iii.(2) ► Frequency and Types/Categories of Violations Observed

Fill out the following table or attach a summary of the following information.

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	0
Potential discharge and other	0

Comments:
 Verbal warnings for trash but no discharges or exposure to creeks reported.

C.4.c.iii.(2) ► Frequency and Type of Enforcement Conducted

Fill out the following table or attach a summary of the following information.

	Enforcement Action (as listed in ERP) ⁴⁸	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ⁴⁹
Level 1			
Level 2			
Level 3			
Level 4			
Total	None to report		

C.4.c.iii.(3) ► Types of Violations Noted by Business Category

Fill out the following table or attach a summary of the following information.

Business Category ⁵⁰	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
None	None	None

C.4.c.iii.(4) ► Non-Fileers

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:

There were no industries identified as non-filers during scheduled inspections during this fiscal year.

⁴⁸ Agencies to list specific enforcement actions as defined in their ERPs.
⁴⁹ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.
⁵⁰ List your Program's standard business categories.

C.4.d.iii ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
See attachment C.4.d.iii				

Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

Program Highlights

Provide background information, highlights, trends, etc.

City staff continues to be involved in CCCWP's Municipal Operations Committee activities.

Refer to the C.5 Illicit Discharge Detection and Elimination section of CCCWP's FY 12-13 Annual Report for description of activities conducted at the countywide or regional level of behalf of all Permittees.

C.5.c.iii ► Complaint and Spill Response Phone Number and Spill Contact List

List below or attach your complaint and spill response phone number and spill contact list.

Contact	Description	Phone Number
Jeff Brown	Operations Manager	510-812-4630
City Dispatch	Police Department	510-724-1111

C.5.d.iii ► Evaluation of Mobile Business Program

Describe implementation of minimum standards and BMPs for mobile businesses and your enforcement strategy. This may include participation in the BASMAA Mobile Surface Cleaners regional program or local activities.

Description:

The City of Hercules responds immediately to reports of illicit discharges. We have had only one report and staff responded within 30 minutes. No evidence of a discharge occurring after inspection of the street and drain inlets. The City provides information to businesses during their annual business license inspections regarding BMP's recommended by the BASMAA Mobile Surface Cleaners Program.

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 12-13 Annual Report for a description of efforts by the CCCWP's Municipal Operations Committee and the BASMAA Municipal Operations Committee to address mobile businesses.

See the regional supplement submitted on behalf of all permittees entitled, "Control of Mobile Sources".

C.5.e.iii ► Evaluation of Collection System Screening Program

Provide a summary or attach a summary of your collection screening program, a summary of problems found during collection system screening and any changes to the screening program this FY.

Description: Staff monitors specific areas of our creeks, catch basins, and drain inlets for trash and illicit discharges. Staff has conducted routine inspections during their regular maintenance inspections at key locations within the City. Trash is an ongoing problem but illicit discharges have

not been reported or identified. Drain inlet cleaning is done by a contractor and the most common occurrence is trash and leaves.

C.5.f.iii.(1), (2), (3) ▶ Spill and Discharge Complaint Tracking

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number	Percentage
Discharges reported (C.5.f.iii.(1))	1	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	0	0%
Discharges resolved in a timely manner (C.5.f.iii.(3))	1	100%

Comments:
 The City's illicit discharge complaint and response program is implemented through the Police Department since they are dispatched 24 hours. If they receive a complaint they will call the Operations Manager for guidance and/or assistance. The City has only experienced one complaint. It occurred during regular business hours and it was investigated immediately. Drain inlets and curb and gutters are checked on a regular basis in an effort to identify discharges but there is no new data to report. If a discharge had occurred staff would immediately begin clean up and protection of drain inlets with waddles.
 There have been no reported illicit discharges but staff continues to monitor the creeks on a regular basis. They inspect wherever a roadway crosses the creek and where outfalls occur.

C.5.f.iii.(4) ▶ Summary of major types of discharges and complaints

We have not experienced any illicit discharges that we are aware of.

Permittee Name: _____

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)
# None	# 1	# 9
<p>Comments: This is a grading area that is being monitored and inspected by Mary A. Larsen QSP/QSD #024 and/or Andres J. Silva QSP 324299. Follow-up inspections conducted by City staff. Reports attached for review as attachment C.6.e.iii.1.a,b,c.</p>		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁵¹ excluding Verbal Warnings	% of Total Violations⁵²
Erosion Control	0	0
Run-on and Run-off Control	0	0
Sediment Control	0	0
Active Treatment Systems	0	0
Good Site Management	0	0
Non Stormwater Management	0	0
Total⁵³	0	100%

⁵¹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

⁵² Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

⁵³ The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

Permittee Name: _____

C.6.e.iii.1.e ► Construction Related Storm Water Enforcement Actions

	Enforcement Action (as listed in ERP) ⁵⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵⁵
Level 1 ⁵⁶		0	0
Level 2		0	0
Level 3		0	0
Level 4		0	0
Total		0	100%

C.6.e.iii.1.f, g ► Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	0

⁵⁴ Agencies should list the specific enforcement actions as defined in their ERPs.

⁵⁵ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁵⁶ For example, Enforcement Level 1 may be Verbal Warning.

Permittee Name: _____

C.6.e.iii.1.h, i ► Violation Correction Times		
	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	0	100% ⁵⁷
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	100% ⁵⁸
Total number of violations (excluding verbal warnings) for the reporting year⁵⁹	0	100%
Comments:		

C.6.e.iii.(2) ► Evaluation of Inspection Data
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
Description: No data to track due to lack of activity and general compliance.

C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.
Description: There has been no construction activity in the City of Hercules except for one grading job that is over one acre (17 acres). It is being inspected on a weekly basis with no violations to report. There have been approximately 9 inspections conducted.

⁵⁷ Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

⁵⁸ Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

⁵⁹ The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions. This assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

Permittee Name: _____

C.6.f ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Annual Commercial/Industrial Storm water Inspector Training Workshop, Concord	May 16, 2013	Commercial/ Industrial discharges	1	100%
C.3 requirements /walnut creek	June 11,2013	Implementing MRP provision C-3 Requirements for land development	1	100%

Section 7 – Provision C.7. Public Information and Outreach

C.7.a ► Storm Drain Inlet Marking (existing storm drains)

(For FY 12-13 Annual Report only) Report prior years' estimated annual percentages of municipality maintained storm drain inlet markings inspected and maintained as legible with a no dumping message or equivalent. At least 80% of municipality-maintained storm drain inlet markings shall be inspected and maintained at least once per 5-year permit term.

Summary:
2009-10: 30%
2010-11: 20%
2011-12: 20%
2012-13: 20%

C.7.a ► Storm Drain Inlet Marking (newly-constructed, privately-maintained streets)

(For FY 12-13 Annual Report only) Report prior years' annual number of projects accepted after inlet markings were verified. For newly-approved, privately-maintained streets, permittees shall require inlet marking by the project developer upon construction and maintenance of markings through the development maintenance entity. Markings shall be verified prior to acceptance of the project.

Summary:
Annual number of newly-constructed, privately-maintained streets for which inlets were marked:
2009-10: 1 project
2010-11: No projects
2011-12: No projects
2012-13: No projects
There was very little construction activity after 2009. No new subdivisions accepted. Drain inlet inspections are occurring on existing inlets. There are no privately owned streets; all streets and inlets are inspected by City staff and contractors.

C.7.b.ii.1 ► Advertising Campaign

Summarize advertising efforts. Include details such as messages, creative developed, and outreach media used. The detailed advertising report may be included as an attachment. If advertising is being done by participation in a countywide or regional program, refer to the separate countywide or regional Annual Report.

Advertised Less Toxic Pest Management held in El Cerrito on April 27, 2013 on the City of Hercules website. See Section 7 in the CCCWP's FY 12-13 Annual Report for a complete review of advertising efforts conducted by the CCCWP on behalf of all Permittees.

C.7.b.iii.1 ► Pre-Campaign Survey

(For the Annual Report following the pre-campaign survey) Summarize survey information such as sample size, type of survey (telephone survey, interviews etc.). Attach a survey report that includes the following information. If survey was done regionally, refer to a regional submittal that contains the following information:

Place an **X** in the appropriate box below:

	Survey report attached
X	Reference to regional submittal: See Section C.7 in the CCCWP's FY 12-13 Annual Report for complete details on the pre-campaign survey conducted for the CCCWP's Pesticide Campaign.

C.7.c ► Media Relations

Summarize the media relations effort. Include the following details for each media pitch in the space below, AND/OR refer to a regional report that includes these details:

- Topic and content of pitch
- Medium (TV, radio, print, online)
- Date of publication/broadcast

Summary:

City supported the development and implementation of "Be classy not trashy" youth outreach litter campaign and Mr. Funnelhead school, city/county events and television ads. See BASMAA's MRP Regional Supplement for Training and Outreach Report for a summary of media relations efforts conducted during FY 12-13 on behalf of all Permittees.

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 12-13:

No change. Refer to Section C.7 of the CCCWP's FY 12-13 Annual Report for efforts conducted countywide to publicize stormwater points of contact (e.g. CCCWP's website, hotline, outreach materials, etc.). BASMAA assists with this provision by using the regional website: BayWise.org to list or link to members' programs.

C.7.e ► Public Outreach Events

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscene presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years • Number of brochures and giveaways distributed • Results of any spot surveys conducted
American Cancer Society relay for life, Refugio Valley Park. This is the second event in two years and is local.	48 hour relay to raise money for cancer research. Large audience. Distributed 100 collapsible water bottles and 100 backpacks, both with clean water advertising.	Products were well received and all distributed. Most persons were not aware of the connection between trash and the adjoining creek at the Park. Approximately 400-500 persons attended over the two day event.
Our water our world	Includes tabling/outreach events at stores	See CCCWP report for more info

C.7.f. ► Watershed Stewardship Collaborative Efforts

Summarize watershed stewardship collaborative efforts and/or refer to a regional report that provides details. Describe the level of effort and support given (e.g., funding only, active participation etc.). State efforts undertaken and the results of these efforts. If this activity is done regionally refer to a regional report.

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

Countywide program staff will provide a summary of efforts conducted at the countywide or regional level but staff has been involved with attendance and support at Contra County watershed forum. Support of the green business program.

C.7.g. ► Citizen Involvement Events

List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.

Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
Support of the Community Watershed Stewardship Grant Program	Grant opportunities for applicants	See the CCCWP report for effectiveness
Annual city-wide cleanup at corporation yard	Citizens are invited to bring trash and household waste for drop-off.	Over 240 yards of trash collected.

C.7.h. ► School-Age Children Outreach

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
Kids for the Bay. Student awareness of the Watershed Action Program (WAP). Program reached third, fourth, fifth, and sixth graders.	Kids for the Bay successfully provided the WAP to two classrooms in Hercules including classroom lessons, a hands-on field trip, and an empowering action project.	Program reached 574 students and twenty teachers throughout the program.	See attachment C.7.e
See C.7 Section of the CCCWP's FY 12-13 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level.			

C.7.i. ► Outreach to Municipal Officials

(For FY 12-13 Annual Report only) Summarize outreach conducted to increase the overall awareness of stormwater and/or watershed messages among municipal officials.

Summary:
 The Hercules City Council was very informed through the attempt to pass the clean water initiative that eventually failed. The discussion has also been had at the Mayor's Conference and City Managers Association. See the CCCWP's FY 12-13 Annual Report for additional outreach activities conducted to municipal officials by the CCCWP.

Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

State below if information is reported in a separate regional report. Municipalities can also describe below any Water Quality Monitoring activities in which they participate directly, e.g. participation in RMP workgroups, fieldwork within their jurisdictions, etc.

Summary

During FY 12-13, we contributed through the CCCWP to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. Monitoring efforts and results are documented in a separate report submitted March 15 of each year, as required in Provision C.8. For additional information on monitoring activities conducted by the CCCWP, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 12-13 Annual Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.b ► Implement IPM Policy or Ordinance

Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation. **Guidance: List only quantities of organophosphates, pyrethroids, carbaryl and fipronil that are used in a manner that threatens water quality (i.e., are used outdoors and may come in contact with stormwater.) Footnote #61 provides the list of active ingredients that need to be reported under the pyrethroids class of pesticides.**

Trends in Quantities and Types of Pesticides Used⁶⁰ See attachment C.9.b from fiscal years 10/11 and 11/12

Pesticide Category and Specific Pesticide Used	Amount ⁶¹				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
Organophosphates					
Product or Pesticide Type A					
Product or Pesticide Type B					
Pyrethroids					
Product or Pesticide Type Y					
Carbaryl					
Fipronil					

C.9.c ► Train Municipal Employees

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	0
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	0
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	0

⁶⁰ Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁶¹ Weight or volume of the product or preferably its active ingredient, using same units for the product each year. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: allethrin, bifenthrin, beta-cyfluthrin, bioallethrin, cyfluthrin, cypermethrin, cyphenothrin, deltamethrin, esfenvalerate, etofenprox, fenpropathrin, gamma-cyhalothrin, imiprothrin, lambda-cyhalothrin, metofluthrin, permethrin, phenothrin, prallethrin, resmethrin, sumithrin (d-phenothrin), tau-fluvalinate, tefluthrin, tetramethrin, tralomethrin, cis-permethrin, and zeta-cypermethrin.

C.9.d ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No
If yes, attach one of the following:			
<input type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input checked="" type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	Equivalent documentation.		
If Not attached , explain:			

C.9.e ▶ Track and Participate in Relevant Regulatory Processes
Summarize participation efforts, information submitted, and how regulatory actions were affected OR reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.
Summary: During FY 12-13, we participated in regulatory processes related to pesticides through contributions to the CCCWP, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees.

C.9.f ▶ Interface with County Agricultural Commissioners			
Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.			

**C.9.g. ► Evaluate Implementation of Source Control Actions
Relating to pesticides**

(For FY 12-13 Annual Report only) Submit a report that evaluates; 1) the effectiveness of control measures implemented, and 2) attainment of pesticide concentration and toxicity targets for water and sediment from monitoring data (Provision C.8.). If needed, the report should include the following:

- Improvements to existing control measures and/or additional control measures required.
- A plan to implement improved and/or new control measures.

Summary:

The Effectiveness Evaluation Report is included in Section C.9 Pesticides Toxicity Control of the CCCWP's FY 12-13 Annual Report.

C.9.h.ii ► Public Outreach: Point of Purchase

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); **OR** reference a report of a regional effort for public outreach in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 12-13 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

C.9.h.iv ► Pest Control Contracting Outreach

(For FY 12-13 Annual Report only) Document effectiveness of outreach to residents who use or contract for structural or landscape pest control **OR** reference a regional report that summarizes these actions.

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 12-13 Annual Report for a report that evaluates outreach to residents.

C.9.h.vi ► Public Outreach: Pest Control Operators

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **OR** reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 12-13 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

**Response to Water Board Staff Comments on Section 9, Provision
C.9, of FY 11-12 Annual Report**

Use this area to respond to any Water Board staff comments on Section 9 of your FY 11-12 Annual Report, and refer to any required submittals that are attached.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.iii ► Minimum Full Trash Capture (Summary of Actions)

Provide the following:

- 1) Descriptions of actions/tasks initiated, conducted or completed in implementing Minimum Full Trash Capture Devices (due July 1, 2014), including numbers of devices, device types and total land area treated to-date by full capture devices;
- 2) Descriptions of planned actions/tasks and time schedules for completion;
- 3) A map that includes locations of all full capture devices installed (private and public) to-date and associated treatment areas, trash generation rates/areas, creek/shoreline trash hot spots, and trash management areas defined to-date.
- 4) A summary of maintenance activities implemented for each device or groups of devices, including descriptions of typical maintenance frequencies and issues associated with maintaining these devices.

Descriptions of Actions/Tasks (Conducted or Planned):

There are currently nine stormceptors within the city treating 275.45 acres. See attachment C.10.a.iii for a map that shows the areas covered by the stormceptors. There are no new devices scheduled at this time however, if trash reductions are not achieved they may be required on existing shopping centers in the future.

Descriptions of Maintenance Activities:

Each stormceptor is cleaned once annually by an outside vendor. They provide reports to the City and it is available for review. Standing water is the greatest concern.

C.10.b.iii ► Trash Hot Spot Assessment

Provide the volume of material removed from each Trash Hot Spot cleanup, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources to the extent possible. Additionally, include a map that identifies the location(s) of trash hot spots.

Trash Hot Spot	Cleanup Date	FY 2012-13 Volume of Trash Removed (cubic yards)	FY 2011-12 Volume of Trash Removed (cubic yards)	FY 2010-11 Volume of Trash Removed (cubic yards)	Dominant Type(s) of Trash	Trash Sources (where possible)
3900 San Pablo Avenue	September 2012	Approximately 2 cubic yards	Approximately 2 cubic yards	Approximately 3 cubic yards	Cans, bottles, plastic, shopping carts	Shopping center/condominiums

C.10.c ► Long-Term Trash Load Reduction Plan

Provide descriptions of the progress made to-date on the development of Long-term Trash Load Reduction Plans due to the Water Board by February 1, 2014.

Long-Term Plan Task	Summary of Progress
1. Identifying and mapping trash generating areas	The City of Hercules moved forward on its trash generation maps developing high to low trash generation areas. The City then ground-truthed the areas and refined the maps based on the visual inspections. Most of the City of Hercules is low or green. Please refer to the trash generation areas depicted on your map(s) developed via annual report section C.10.a.iii.
2. Identifying trash sources (as necessary or feasible) to assist in selecting trash management actions	The City of Hercules has identified the trash sources within the City. Most are shopping centers and/or parks. Staff has created their trash generation areas along with a list of priorities for addressing the trash in the future. Most of this can be accomplished through visual assessment and manual clean-ups. Once this is done a re-evaluation will be done to determine the need for trash capture device at the areas of concern.
3. Prioritizing trash generating areas and associated types of trash problems	The City of Hercules has identified the trash sources within the City. Most trash generators are shopping centers and/or parks. Staff has created their prioritized trash generation areas along with a list of priorities for addressing the trash in the future. Most of this can be accomplished through visual assessment and manual clean-ups. Once this is done a re-evaluation will be done to determine the need for trash capture device at the areas of concern
4. Identifying and selecting trash management actions for specific management areas	In the short term staff will continue to monitor areas of concern. We will also be including creek cleanups through Civicorp. In the long term, and after monitoring, we will decide if trash capture devices are necessary on some of the shopping centers and/or parks. We are increasing recycling pick-up and green waste pick-up to weekly from bi-weekly. We are also increasing dry pick-up for commercial customers. All of this should help to reduce trash from commercial areas in addition to residential trash.
5. Defining the type of assessment(s) that will be used to demonstrate progress towards goals	The City of Hercules will continue to assess the areas of concern via visual assessments, creek cleanup assessments. Most areas will be visually inspected on a regular basis to ascertain reductions. If visual inspections are not enough we will move down the priority list until we have reached elimination or substantial reduction of the source.

C.10.d ► Summary of Trash Reduction Actions

For each trash reduction action (i.e., control measures and best management practices) implemented by your municipality during the reporting period include a full description of the action. Describe actions initiated prior to and continued after the MRP effective date (December 2009), actions initiated after the MRP effective date, and actions planned for future implementation. If a planned action, also include the planned date of implementation. Add rows for actions not listed below as needed. Also identify the dominant source of trash and dominant types of trash removed for each action. To the extent possible, identify the applicable management areas identified on the map created under reporting section C.10.a.iii.

Action	Description	Trash Management Area(s) (Preliminary Map ID)	Dominant Sources	Dominant Types
Trash Management Area Specific Actions				
Full-Capture Treatment Devices	Continued Pre-MRP Actions: See description in Section C.10.a.iii	Various locations- see attachment c.10.a.iii	Drain inlets/storm drains	Miscellaneous trash, leaves
	New/Enhanced Post-MRP Actions Initiated/Planned: None	None at this time		
Street Sweeping	Continued Pre-MRP Actions: Residential sweeping once per month and commercial sweeping every two weeks.	City-wide	Litter/trash pick-up	Bottles, cans, misc, trash, leaves
	New/Enhanced Post-MRP Actions Initiated/Planned: None at this time	None at this time. Focus is on high trash generating areas such as shopping centers.		
On-land Trash Cleanups	Continued Pre-MRP Actions: Continuous City park clean up by employees. Clean-up of dumping in areas of the City where it occurs regularly. Yearly city-wide cleanup at the corporation yard where citizens can dump their waste free of charge.	City-wide but in particular areas 1,2,4,5,6, and 8.	Litter, wind blown trash in Parks, shopping centers	Paper, bottles, cans, plastic bags, etc.
	New/Enhanced Post-MRP Actions Initiated/Planned:			
Partial-Capture Treatment Devices	Continued Pre-MRP Actions: None	None	N/A	N/A

C.10.d Summary of Trash Reduction Actions

For each trash reduction action (i.e., control measures and best management practices) implemented by your municipality during the reporting period include a full description of the action. Describe actions initiated prior to and continued after the MRP effective date (December 2009), actions initiated after the MRP effective date, and actions planned for future implementation. If a planned action, also include the planned date of implementation. Add rows for actions not listed below as needed. Also identify the dominant source of trash and dominant types of trash removed for each action. To the extent possible, identify the applicable management areas identified on the map created under reporting section C.10.a.iii.

Action	Description	Trash Management Area(s) (Preliminary Map ID)	Dominant Sources	Dominant Types
	New/Enhanced Post-MRP Actions Initiated/Planned: None planned at this time.	N/A		
Enhanced Storm Drain Inlet Maintenance	Continued Pre-MRP Actions: The City cleaned approximately 140 drain inlets through our vendor. We already clean more than the required number and no further increase in cleanings are anticipated at this time. Records are maintained at City Hall if there is a desire to review them.	City-wide	Litter, windblown trash, droppings from solid waste pickup.	Paper, cups, cans, leaves.
	New/Enhanced Post-MRP Actions Initiated/Planned: Ensure locations are rotated and that areas of concern are addresses first.			
Activities to Reduce Trash from Uncovered Loads	Continued Pre-MRP Actions: None at this time	City-wide	Private individuals	Paper, general wind blown trash
	New/Enhanced Post-MRP Actions Initiated/Planned: Will bring new ordinance to City Council to adopt covered load requirements in April 2014. Working with Richmond Sanitary to ensure they are covering all loads and distributing information to drop box customers.			
Anti-littering and Illegal Dumping Enforcement Activities	Continued Pre-MRP Actions: Staff monitors areas where we have experienced dumping in the past. If we discover dumping we call the police so a report is taken but they rarely catch the criminals. Records are maintained at the Police Department.	Area 2 and city-wide	Illegal dumping activities	Household trash, furniture.

C.10.d Summary of Trash Reduction Actions

For each trash reduction action (i.e., control measures and best management practices) implemented by your municipality during the reporting period include a full description of the action. Describe actions initiated prior to and continued after the MRP effective date (December 2009), actions initiated after the MRP effective date, and actions planned for future implementation. If a planned action, also include the planned date of implementation. Add rows for actions not listed below as needed. Also identify the dominant source of trash and dominant types of trash removed for each action. To the extent possible, identify the applicable management areas identified on the map created under reporting section C.10.a.iii.

Action	Description	Trash Management Area(s) (Preliminary Map ID)	Dominant Sources	Dominant Types
	New/Enhanced Post-MRP Actions Initiated/Planned: Work with Police to develop more robust program especially in the area of reporting.			
Improved Trash Bins/Container Management	Continued Pre-MRP Actions: Continued business inspections to ensure compliance.	Predominantly area 2	Businesses	Generally consistent with the type of business but paper products are the most problematic.
	New/Enhanced Post-MRP Actions Initiated/Planned: We have just changed from EBMUD inspections to West County Waste Water District. I am hoping to make comparisons between the new data and the old to determine effectiveness and future actions if necessary. In addition, our new contract with Richmond Sanitary will increase recycling and green waste from bi-weekly pick-up to weekly pick-up. Industrial/commercial inspections have found trash containers to be the most common violation although once they are advised compliance is forthcoming.			
Creek, Channel, Shoreline Cleanups	Continued Pre-MRP Actions: These activities have subsided the past two years.		Outfalls, litter, windblown trash	All types
	New/Enhanced Post-MRP Actions Initiated/Planned: We are now contracting with Civicorps for annual creek clean up.	Areas 3 and 6		
Area/Jurisdictional-wide Actions				

C.10.d ► Summary of Trash Reduction Actions

For each trash reduction action (i.e., control measures and best management practices) implemented by your municipality during the reporting period include a full description of the action. Describe actions initiated prior to and continued after the MRP effective date (December 2009), actions initiated after the MRP effective date, and actions planned for future implementation. If a planned action, also include the planned date of implementation. Add rows for actions not listed below as needed. Also identify the dominant source of trash and dominant types of trash removed for each action. To the extent possible, identify the applicable management areas identified on the map created under reporting section C.10.a.iii.

Action	Description	Trash Management Area(s) (Preliminary Map ID)	Dominant Sources	Dominant Types
Single-Use Carryout Bag Policies	Continued Pre-MRP Actions: None	Jurisdiction-wide	Shopping centers	Bags
	New/Enhanced Post-MRP Actions Initiated/Planned: Planning Department will be bringing single-bag ordinance forward early 2014.			
Polystyrene Foam Food Service Ware Policies	Continued Pre-MRP Actions: Ordinance adopted but no enforcement at this time except complaint driven.	Jurisdiction-wide	Carryout restaurants	Polystyrene foam
	New/Enhanced Post-MRP Actions Initiated/Planned: Begin proactive inspections during newly scheduled business license inspections.			
Public Education and Outreach Programs	Continued Pre-MRP Actions: Recyclemore handles our public outreach regarding trash reductions.	Jurisdiction-wide		
	New/Enhanced Post-MRP Actions Initiated/Planned: We are currently negotiating a new contract through Richmond Sanitary service for public outreach and education programs both for the public and school age children in the classroom.			

Section 11 - Provision C.11 Mercury Controls

C.11.a.i ► Mercury Recycling Efforts

List below or attach lists of efforts to promote, facilitate, and/or participate in collection and recycling of mercury containing devices and equipment at the consumer level (e.g., thermometers, thermostats, switches, bulbs).

Our hazardous waste efforts are coordinated through Richmond Sanitary Service who operates the HHW drop off facility. The attached information below is from their website.

Hazardous Waste

It's illegal to put hazardous waste such as paint, pesticides, batteries, electronics, and fluorescent bulbs in the trash. Richmond residents can dispose of household hazardous waste conveniently and **for free** at the West County Household Hazardous Waste Facility in Richmond.

West County Household Hazardous Waste (HHW) Facility

101 Pittsburg Avenue
 Open Thursdays, Fridays, and the first Saturday of the month
 9:00 am - 4:00 pm
 1-888-412-9277

Acceptable Items

- | | | |
|------------------------|--|-----------------------------|
| - Adhesives | - Fats, oil and grease | - Paint |
| - Aerosols | - Fertilizers | - Pesticides |
| - Anti-freeze | - Fluorescent lights | - Photo chemicals |
| - Asbestos | - Household batteries (You may also drop off household batteries at Richmond Fire Stations and other locations) | - Poisons |
| - Car batteries | - Mercury thermometers | - Radios |
| - CD players | - Microwaves | - Solvents & thinners |
| - Cell phones | | - TVs and computer monitors |
| - Cleaners | | - Used motor oil & filters |
| - CPUs and peripherals | | - VCRs and DVD players |

Mobile Collection for Seniors

Free HHW pickup services are available for persons of age 60 or older and persons with disabilities through the West Contra

Costa County [HHW mobile collection program](#) ([Informacion sobre la recogida movil](#)).

Sharps and Medicines

Expired medications such as pills, syrups, and inhalers, and sharps such as needles, syringes, and lancets can also be disposed of for free at the HHW Facility. Call 1-888-412-9277 to receive a free sharps container in the mail.

Used Motor Oil & Filters

Free Oil Change Kit

Call Richmond Sanitary Service at 510-262-1655 for a free oil change kit and to schedule a pick-up. Set out a full oil jug and filter bag in view of or near the curb on your scheduled oil collection day.

Local Companies that Accept Used Motor Oil

View a [list of local companies](#) that accept used motor oil for recycling.

a)

C.11.a.ii ► Mercury Collection

Provide an estimate of the mass of mercury collected through these efforts, or provide a reference to a report containing this estimate.

Please refer to the FY 12-13 CCCWP Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in Contra Costa County.

Also, see C.11.a.i above for Mercury collection details.

- C.11.b ▶ Monitor Methylmercury**
- C.11.c ▶ Pilot Projects to Investigate and Abate Mercury Sources in Drainages**
- C.11.d ▶ Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.11.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.11.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.11.g ▶ Monitor Stormwater Mercury Pollutant Loads and Loads Reduced**
- C.11.h ▶ Fate and Transport Study of Mercury In Urban Runoff**
- C.11.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**
- C.11.j ▶ Develop Allocation Sharing Scheme with Caltrans**

Summary

A summary of countywide CCCWP and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of CCCWP's FY 12-13 Annual Report and/or the BASMAA Regional POC Report.

Section 12 - Provision C.12 PCBs Controls

C.12.a.ii,iii ▶ Ongoing Training

Description:

See the FY 12-13 CCCWP Annual Report for a description of training provided countywide and/or regionally.

- C.12.b ▶ Conduct Pilot Projects to Evaluate Managing PCB-Containing Materials and Wastes during Building Demolition and Renovation Activities**
- C.12.c ▶ Pilot Projects to Investigate and Abate On-land Locations with Elevated PCB Concentrations**
- C.12.d ▶ Conduct Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.12.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.12.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.12.g ▶ Monitor Stormwater PCB Pollutant Loads and Loads Reduced**
- C.12.h ▶ Fate and Transport Study of PCBs In Urban Runoff**
- C.12.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**

Summary

A summary of countywide CCCWP and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of the CCCWP's FY 12-13 Annual Report and/or the BASMAA Regional POC Report.

Section 13 - Provision C.13 Copper Controls

C.13.a.iii.(2) ▶ Training, Permitting and Enforcement Activities

(FY 11-12 Annual Report and each Annual Report thereafter) Provide summaries of activities implemented to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction including. :

- Development of BMPs on how to manage the water during and post construction
- Requiring the use of appropriate BMPs when issuing building permits
- Educating installers and operators on appropriate BMPs
- Enforcement actions taken again noncompliance

There has been very little construction activity and none that included copper features. Plan check staff is trained to identify these features but none have occurred. Building permit staff also warns contractors against flushing copper piping systems and advises that the water must be captured and disposed of properly.

C.13.a.iii.(3) ▶ Evaluation of Effectiveness

(FY 12-13 Annual Report) Evaluate the effectiveness of measures the agency has undertaken to prevent discharge of wastewater to storm drains during the installation, cleaning, treating, and washing of the surface of copper architectural features. The discussion of the effectiveness of these measures should include BMP implementation and may propose additional measures to address this source of pollutants.

There has been very little construction activity and none that included copper features. Plan check staff is trained to identify these features but none have occurred. Building permit staff also warns contractors against flushing copper piping systems and advice that the water must be captured and disposed of properly.

C.13.c ▶ Vehicle Brake Pads

Reported in a separate regional report.

A summary of the countywide CCCWP's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of CCCWP's FY 12-13 Annual Report and/or the BASMAA Regional POC Report.

C.13.c.iii ▶ Water Quality Issues Associated with Automobile Brake Pads

(FY 12-13 Annual Report Only) – Assess status of copper water quality issues associated with automobile brake pads and recommend brake-pad related actions for inclusion in subsequent permits if needed.

An assessment of copper water quality issues associated with automobile brake pads and recommend brake-pad related actions for inclusion in subsequent permits is included within the C.13 Copper Controls section of CCCWP's FY 12-13 Annual Report and/or the BASMAA Regional POC Report.

C.13.d.iii ► Industrial Sources Copper Reduction Results

Based upon inspection activities conducted under Provision C.4, highlight copper reduction results achieved among the facilities identified as potential users or sources of copper, facilities inspected, and BMPs addressed.

Summary

We have no facilities that have been identified as potential users or sources of copper.

C.13.e ► Studies to Reduce Copper Pollutant Impact Uncertainties

Report on progress of studies being conducted countywide or regionally to reduce copper pollutant impact uncertainties. State below if information is reported in a separate regional report.

Summary

A summary of the countywide CCCWP and/or regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of the CCCWP's FY 12-13 Annual Report and/or BASMAA Regional POC Report.

Section 14 - Provision C.14 PBDE, Legacy Pesticides and Selenium Controls

C.14.a ► Control Programs for PBDEs, Legacy Pesticides and Selenium Controls

Report on progress of studies being conducted countywide or regionally to characterize the distribution and pathways of PBDEs, legacy pesticides, and selenium. State below if information is reported in a separate regional report.

Summary

A summary of the countywide CCCWP and regional efforts related to the Control Program for PBDEs, Legacy Pesticides and Selenium is included within the C.14 PBDE, Legacy Pesticides and Selenium section of the CCCWP's FY 12-13 Annual Report and/or BASMAA Regional POC Report.

C.14.a.v. ► Control Programs for PBDEs, Legacy Pesticides and Selenium Controls – Load Computation

(For FY 12-13 Annual Report only) Submit a report with information required to compute loading estimates of PBDEs, legacy pesticides and selenium from urban runoff to the Bay.

Summary

Information required to compute loading estimates of PBDEs, legacy pesticides and selenium from urban runoff to the Bay is included within the C.14 PBDE, Legacy Pesticides and Selenium section of the CCCWP's FY 12-13 Annual Report and/or BASMAA Regional POC Report.

C.14.a.vi. ► Control Programs for PBDEs, Legacy Pesticides and Selenium Controls – Control Measures

(For FY 12-13 Annual Report only) Submit a report identifying control measures and/or management practices to reduce impacts from discharges of PBDEs, legacy pesticides or selenium in urban runoff.

Summary

A report identifying control measures and/or management practices to reduce impacts from discharges of PBDEs, legacy pesticides or selenium in urban runoff is included within the C.14 PBDE, Legacy Pesticides and Selenium section of CCCWP's FY 12-13 Annual Report and/or BASMAA Regional POC Report.

Section 15 - Provision C.15 Exempted and Conditionally Exempted Discharges

C.15.b.iii.(1), C.15.b.iii.(2) ► Planned and Unplanned Discharges of Potable Water

Is your agency a water purveyor?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If No , skip to C.15.b.vi.(2):				
If Yes , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments:				

C.15.b.vi.(2) ► Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering

Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:

- Promote conservation programs
- Promote outreach for less toxic pest control and landscape management
- Promote use of drought tolerant and native vegetation
- Promote outreach messages to encourage appropriate watering/irrigation practices
- Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.

Summary:
 Our agency through the CCCWP promotes several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:

- 6th Edition Stormwater C.3 Guidebook adopted by ordinance promotes to land development professionals landscaping designed to: 1) minimize irrigation and runoff; 2) promote infiltration of runoff where appropriate; and, 3) minimize use of fertilizers and pesticides using pest-resistant plants that are suited to site conditions (e.g., soil and climate).
- Green Business Program promotes to businesses a variety of measures such as using drought tolerant plantings, mulching, carefully monitoring irrigation schedules and needs, and implementing Integrated Pest Management.
- Our Water Our World (OWOW) Program promotes to consumers and the point of purchase less toxic alternatives to combating lawn and garden pests.
- Bay Friendly Landscaping and Gardening Training and Certification Program promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System										
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁶² (NTU)	Implemented BMPs & Corrective Actions
NONE										

⁶² Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System⁶³

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L) ⁶⁴	pH (standard units) ⁵²	Discharge Turbidity (Visual) ⁵²	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁶⁵	Inspector arrival time	Responding crew arrival time
NONE														

⁶³ This table contains all of the unplanned discharges that occurred in this FY.

⁶⁴ Monitoring data is only required for 10% of the unplanned discharges. If you monitored more than 10% of your unplanned discharges, report all of the data collected.

⁶⁵ Notification to Water Board staff is required for unplanned discharges where the chlorine residual is >0.05 mg/L and total volume is ≥ 50,000 gallons. Notification to State Office of Emergency Services is required after becoming aware of aquatic impacts as a result of unplanned discharge or when the discharge might endanger or compromise public health and safety.

Hercules Inventory List (Active Only) 07/05/2013

No.	Name	Address	Last Inspection	Enforcement	Inspector	Inspection	Category	Next Date
6	44 Sports Lounge	848 Willow Ave	17-Dec-10	NA	KBIBER	1 insp. / 3 yrs.	Food Service	16-Dec-13
21	A and B Die Casting	900 ALFRED NOBEL Drive	5-Jun-13	NA	CLSPENCE	1 insp. / 1 yrs.	Manufacturing	5-Jun-14
23	Big Lots	1551 Sycamore Ave	6-Dec-11	Verbal Notice 06-DEC-11	ASTRAWDE	1 insp. / 3 yrs.	Retail	5-Dec-14
17	Bio-Rad Laboratories	800 ALFRED NOBEL Drive	22-Apr-09	NA	SARCHACK	1 insp. / 5 yrs.	Laboratory	21-Apr-14
19	Bio-Rad Laboratories 2000	2000 ALFRED NOBEL Drive	21-May-09	NA	SARCHACK	1 insp. / 5 yrs.	Laboratory	20-May-14
37	Bio-Rad Laboratories 225	225 Linus Pauling	17-Dec-10	NA	KBIBER	1 insp. / 5 yrs.	Laboratory	16-Dec-15
3	Bio-Rad Laboratories 4000	4000 ALFRED NOBEL Drive	14-Dec-11	NA	MWALTON	1 insp. / 2 yrs.	Laboratory	13-Dec-13
18	Bio-Rad Laboratories 6000	6000 JAMES WATSON Dr.	22-Apr-09	NA	SARCHACK	1 insp. / 5 yrs.	Laboratory	21-Apr-14
14	Bio-Rad Laboratories 925	925 ALFRED NOBEL Drive	21-Apr-09	NA	SARCHACK	1 insp. / 5 yrs.	Laboratory	20-Apr-14
24	Biryani House/Banquet Hall	848 Willow Ave E, F, G	6-Dec-11	NA	CWITTORP	1 insp. / 3 yrs.	Food Service	5-Dec-14
10	Burger King	844 WILLOW Ave	27-Dec-10	Warning Notice 20-OCT-08	DMAPP	1 insp. / 3 yrs.	Food Service	26-Dec-13
39	Chokos Cuisine	1511 Sycamore Ave	19-Apr-13	NA	MWALTON	1 insp. / 3 yrs.	Food Service	18-Apr-16
20	Creekside Center	1501 Sycamore	21-May-13	Verbal Notice 30-NOV-11	ASTRAWDE	1 insp. / 1 yrs.	Property Management	21-May-14
22	Creekside Dry Cleaners	1511 Sycamore Ave Ste G	30-Nov-11	NA	ASTRAWDE	1 insp. / 3 yrs.	Dry Cleaner	29-Nov-14
53	Davi Lab	730 ALFRED NOBEL Drive	5-Jun-13	NA	CLSPENCE	1 insp. / 5 yrs.	Laboratory	4-Jun-18
46	Dental Center	844 Willow Ave A6	6-Dec-11	NA	CWITTORP	1 insp. / 5 yrs.	Dental	4-Dec-16
42	Donald Rosenberg	3600 SAN PABLO Ave	24-Jun-13	Warning Notice 21-OCT-08	MKULKA	1 insp. / 3 yrs.	Property Management	23-Jun-16
25	Dragon Terrace	1581 SYCAMORE Ave 1	6-Dec-11	Verbal Notice 06-DEC-11	ASTRAWDE	1 insp. / 3 yrs.	Food Service	5-Dec-14
43	Extreme Pizza	3700 SAN PABLO Ave	24-Jun-13	NA	MKULKA	1 insp. / 3 yrs.	Food Service	23-Jun-16
2	Hercules Cleaners	1581 Sycamore Ave	6-Dec-11	Verbal Notice 06-DEC-11	ASTRAWDE	1 insp. / 2 yrs.	Dry Cleaner	5-Dec-13
26	Hercules Round Table	1511 SYCAMORE Ave D	6-Dec-11	NA	ASTRAWDE	1 insp. / 3 yrs.	Food Service	5-Dec-14
32	Hercules Shell Gas Station	3900 San Pablo Ave	14-Dec-11	NA	MWALTON	1 insp. / 3 yrs.	Gas Station	13-Dec-14
40	Home Depot	1625 Sycamore Ave	21-May-13	NA	ASTRAWDE	1 insp. / 3 yrs.	Retail	20-May-16
49	Investigen DNA Biotechnologies	750 ALFRED NOBEL Drive 104	17-Apr-13	NA	CWITTORP	1 insp. / 5 yrs.	Laboratory	16-Apr-18
5	Jack in the Box	3800 SAN PABLO Ave A	15-Dec-10	NA	NKLUMPP	1 insp. / 3 yrs.	Food Service	14-Dec-13
47	Kims Salon & Spa	844 Willow Ave A9-A10	6-Dec-11	NA	CWITTORP	1 insp. / 5 yrs.	Beauty Salon	4-Dec-16
44	Kinders Meats, Deli, BBQ	3600 SAN PABLO Ave 1	24-Jun-13	Warning Notice 21-OCT-08	MKULKA	1 insp. / 3 yrs.	Food Service	23-Jun-16

4	Lin Group LLC Properties	1572 SYCAMORE Ave	14-Dec-10	Warning Notice 07-MAY-07	DMAPP	1 insp. / 3 yrs.	Property Management	13-Dec-13
33	LL Hawaiian Barbeque	1572 SYCAMORE Ave B	19-Dec-11	Verbal Notice 19-DEC-11, Warning Notice 07-MAY-07	ASTRAWDE	1 insp. / 3 yrs.	Food Service	18-Dec-14
15	Mazatlan Taqueria and Grill	844 Willow Ave Bldg A-11	21-Apr-09	NA	SARCHACK	1 insp. / 5 yrs.	Food Service	20-Apr-14
7	McDonalds	1570 SYCAMORE Ave	21-Dec-10	NA	CWITTORP	1 insp. / 3 yrs.	Food Service	20-Dec-13
50	Pacific Bio Labs	551 LINUS PAULING Drive	17-Apr-13	NA	CWITTORP	1 insp. / 5 yrs.	Laboratory	16-Apr-18
16	Park Lane Cleaners	1572 Sycamore Ave C	21-Apr-09	NA	SARCHACK	1 insp. / 5 yrs.	Dry Cleaner	20-Apr-14
1	Powder Keg	2132 Railroad Ave	2-Dec-10	NA	DMAPP	1 insp. / 3 yrs.	Food Service	1-Dec-13
52	PTRL West Lab	625 ALFRED NOBEL Drive B	18-Apr-13	NA	CWITTORP	1 insp. / 5 yrs.	Laboratory	17-Apr-18
8	Rite Aid	1560 Sycamore Ave	21-Dec-10	NA	DMAPP	1 insp. / 3 yrs.	Retail	20-Dec-13
38	RSM Oriental Foodmart/Restaurant	1500 SYCAMORE Ave B-5	28-Mar-13	NA	ASTRAWDE	1 insp. / 3 yrs.	Food Service	27-Mar-16
13	Shinsen Sushi	1581 SYCAMORE Ave	28-Dec-10	NA	DMAPP	1 insp. / 3 yrs.	Food Service	27-Dec-13
27	Sona Grocery	844 Willow Ave	6-Dec-11	NA	CWITTORP	1 insp. / 3 yrs.	Grocery Store	5-Dec-14
9	Starbucks Coffee	842 WILLOW Ave	22-Dec-10	Warning Notice 12-JUN-07	DMAPP	1 insp. / 3 yrs.	Food Service	21-Dec-13
45	Starbucks Coffee	3700 SAN PABLO Ave	24-Jun-13	NA	MKULKA	1 insp. / 3 yrs.	Food Service	23-Jun-16
34	Subway	1572 SYCAMORE Ave A	19-Dec-11	Verbal Notice 19-DEC-11	ASTRAWDE	1 insp. / 3 yrs.	Food Service	18-Dec-14
35	Sunflower Bakery	1500 SYCAMORE Ave B-3	19-Apr-10	NA	CLSPENCE	1 insp. / 5 yrs.	Food Service	18-Apr-15
28	Sycamore Family Dentistry	1581 Sycamore Ave, Ste3	6-Dec-11	NA	ASTRAWDE	1 insp. / 3 yrs.	Dental	5-Dec-14
29	Taco Bell	1541 SYCAMORE Ave	6-Dec-11	Verbal Notice 06-DEC-11, Warning Notice 21-OCT-08	ASTRAWDE	1 insp. / 3 yrs.	Food Service	5-Dec-14
48	Tyna Beauty Salon	844 Willow Ave A7	6-Dec-11	NA	CWITTORP	1 insp. / 5 yrs.	Beauty Salon	4-Dec-16
41	Union 76/Pro Wash and Go	828 Willow Ave	5-Jun-13	Warning Notice 20-OCT-08	CLSPENCE	1 insp. / 3 yrs.	Gas Station	4-Jun-16
36	West Coast Drilling	1360 WILLOW Ave	5-Jun-13	NA	MWALTON	1 insp. / 2 yrs.	Commercial	5-Jun-15
51	Westcoast Pathology Laboratory	708 ALFRED NOBEL Dr	17-Apr-13	NA	CWITTORP	1 insp. / 5 yrs.	Laboratory	16-Apr-18
11	Willow Cleaners	844 Willow Ave Bldg A5	27-Dec-10	NA	DMAPP	1 insp. / 3 yrs.	Dry Cleaner	26-Dec-13
12	Willow Food and Liquor	844 Willow Ave A1	27-Dec-10	NA	DMAPP	1 insp. / 3 yrs.	Grocery Store	26-Dec-13
30	Willow Garden Chinese	844 WILLOW Ave A-8	6-Dec-11	NA	CWITTORP	1 insp. / 3 yrs.	Food Service	5-Dec-14
31	Won Thai Cuisine	844 WILLOW Ave A-1A	6-Dec-11	NA	CWITTORP	1 insp. / 3 yrs.	Food Service	5-Dec-14

**Annual Report Supplemental Information
FY12: Hercules**

POTW Training Summary Information for FY 11-12. Includes training sessions that cover inspection and enforcement skills, even if they were not specifically storm water.

C.4.d.iii ► Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Commercial/Industrial Stormwater Inspection Training Workshop (Contra Costa County)	6/7/2012	<ul style="list-style-type: none"> • Outline available through CWP 	EBMUD-3	EBMUD-23
EBMUD Field Services Section Stormwater Inspection Refresher Training	4/26/2012	<ul style="list-style-type: none"> • Commercial and Industrial – Areas of Activity • Inspector training • Stormwater BMPs • Enforcement – Verbal Notice, Warning Notice, NOV 	EBMUD-7	EBMUD-54
CWEA – NRTC	9/21-23/11	<ul style="list-style-type: none"> • Stormwater education and outreach • Controlling Mobile Washers • Overview of Draft General Industrial Permit • Spill Estimation Methods 	EBMUD-1	EBMUD-8

FY11-12 Quantity of Information Handed Out: 15 facilities were provided with BMP brochures / 20 facilities inspected = 0.75 average number of informational pieces handed out/facility.

Appendix I

Storm Water Quality Construction Site Inspection Checklist

GENERAL INFORMATION			
Project Name	Bay Trail / Path to Transit, Hercules - Site Preparation Project		
Project #	WDID 2 076C366962 - Risk Level 1		
Contractor	Jose Raymundo, Project Manager, Evans Brothers, Inc.		
Inspector's Name	Andres J. Silva, QSP Stormwater Specialists (*or assigned)		
Inspector's Title	Qualified SWPPP Practitioner (QSP)		
Signature	<i>Andres J. Silva, QSP #24299</i>		
Date of Inspection	Tuesday 8/06/13, 9:15 AM, Overcast, approx. 58 degrees		
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain	<input type="checkbox"/> Post Rain/Weekly - After a rain event	
	<input type="checkbox"/> 24-hr intervals during extended rain	<input checked="" type="checkbox"/> Weekly	
Inspection Type (Check Applicable)	<input type="checkbox"/> Quarterly Non-Storm Water Inspection	<input type="checkbox"/> Other _____	
Storm Data	Storm Start Date & Time:	6/24/13	Storm Duration (hrs): 1.5 days
	Time elapsed since last storm (Circle Applicable Units)	Approx. 6 weeks	Approximate Rainfall Amount (inches) Approx .21" Not QRE

PROJECT AREA SUMMARY AND DISTURBED SOIL AREA (DSA) SIZE	
Total Project Area	_____ Approx. 19.7 Acres
Field Estimate of Active DSAs	_____ Approx. 19.20 Acres (* This will change)
Field Estimate of Non-Active DSAs	_____ Approx. .5 Acres

Appendix I
Storm Water Quality Construction Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	X			
Location:				
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	X			
Are any non-vegetated areas that may require temporary erosion control?	X			Exposed areas during grading have perimeter controls. The site is mostly in a bowl. There is an area of fill for the fabric wrapped wall along the Bay.
Is the area where erosion controls are used free from visible erosion?	X			No visible signs of erosion in non-vegetated areas.
Location: Construction entry	X			Contractor contains runoff from grading so no discharge from site.
Temporary Linear Sediment Barriers (Fiber Rolls, Rock Check Bags, Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			Silt fence is installed according to BKF detail per the plans. (Not per the CASQA BMP Handbook)
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the build-up sediment less than 1/3 the height of the barrier?	X			
Are cross barriers installed where necessary and properly spaced?	X			
Location: Entire perimeter has silt fence and some added straw bales				
Storm Drain Inlet Protection				
Are storm drain inlets internal to the project properly protected?	X			Contractor has protected Storm drain inlet in the street at entry protected with fabric and rock bags. Note inlet across the cul-de-sac has old measures and trash collected in it.
Are storm drain inlet protection devices in working order and being properly maintained?	X			DI is maintained at entry.
Location: All storm drain inlets throughout the site	X			No storm drain inlets onsite
Stockpiles				
Are all locations of temporary stockpiles, including soil, hazardous waste, and construction materials in approved areas?	X			
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 50 from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?	X			
Location:				
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			Entrance is paved kept clean.

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Are all stabilized entrances visually inspected daily to ensure that it is working properly?	X			Contractor visually inspects daily
Are points of ingress/egress to public/private roads visually inspected and swept and vacuumed as needed?	X			Contractor visually inspects daily and sweeps as needed
Are all paved areas free of visible sediment tracking or other particulate matter?		X		Some tracking from water truck
Location: Cul-de-sac				
Wind Erosion Control				
Is dust control implemented?	X			Water truck on site
Dewatering Operations				
Are all one-time dewatering operations covered by the General Permit inspected before and as they occur and BMPs implemented as necessary during discharge?			X	No de-watering onsite
Is ground water dewatering handled in conformance with the dewatering permit issued by the RWQCB?			X	
Is required treatment provided for dewatering effluent?			X	
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?	X			
Are dedicated fueling, cleaning, and maintenance areas located at least 50' feet away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Location:				
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 50' feet from concentrated flows and downstream drainage facilities?	X			Material storage areas are kept organized, mostly filter fabric rolls
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			
Are temporary concrete washout facilities functional for receiving and containing concrete waste and are concrete residues prevented from entering the drainage system?			X	None on site
Do temporary concrete washout facilities provide sufficient volume and freeboard for planned concrete operations?			X	None on site
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	X			No spills onsite
Is the site free of litter?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			Trash is being placed in bags and containers with lids.

Appendix I
Storm Water Quality Construction Inspection Checklist

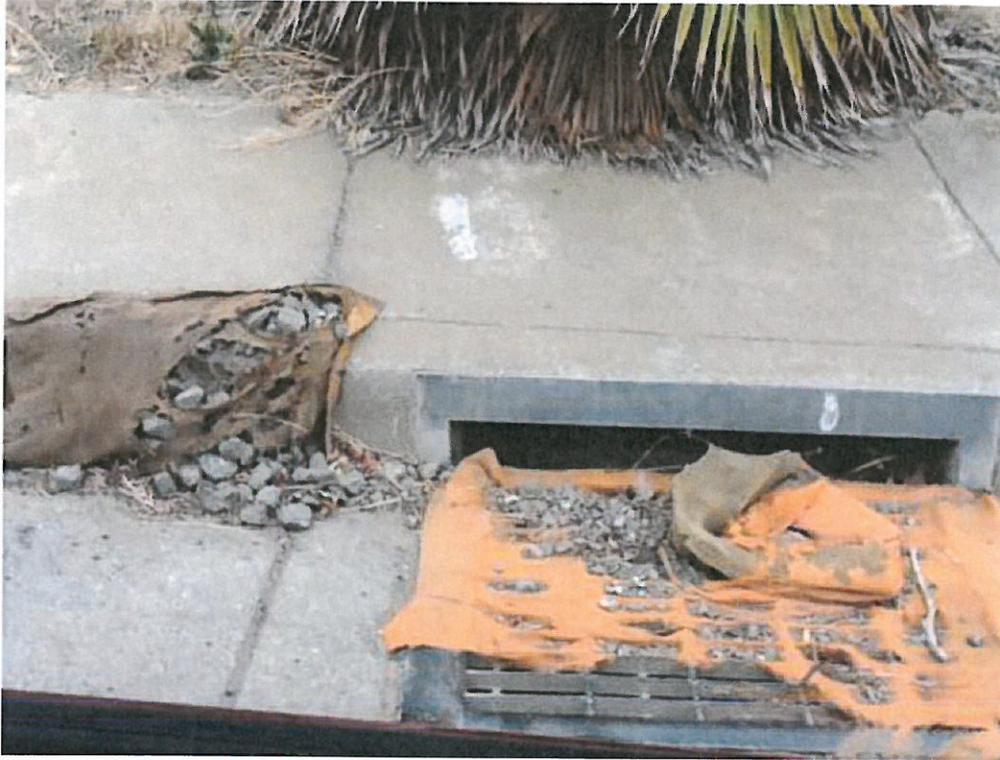
INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Do portable toilets have secondary containment and are they stored away from storm drain or waterways?		X		Portable toilet by parking area does not have secondary containment.
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		
If yes, has the Owner/Operator been notified?			X	
Discharge Points				
Are discharge points and discharge flows free from visible pollutants?	X			
Are discharge points free of any significant sediment transport?	X			
Location:	X			
SWPPP Update				
Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			
Are all BMPs shown on the water pollution control drawings installed in the proper location(s) and according to the details in the SWPPP?	X			Silt fence is installed according to BKF detail per the plans. (Not per the CASQA BMP Handbook). Project starting so additional BMPs will be added.
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?		X		
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?			X	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?		X		
Were the BMPs maintained or replaced?	X			Contractor has on-going maintenance.

Site operations include the construction of the filter fabric wrapped wall and the earth moving operation. Most work is focused in the back property line with work on the filter fabric wrapped wall. Entry at the cul-de-sac has some tracking from water truck. Water was not closed completely after filling up truck; flowing down gutter with tracking into drain. The drain area was cleaned up broken rock bag is still there.

Site was moist with no dust issues, water tank and trucks on site actively watering site. Site looks good overall; Portable toilet by storage container does not have secondary containment. Site has some minor housekeeping issues to be addressed.



Appendix I
Storm Water Quality Construction Inspection Checklist





Attachment C.7.e

EL CERRITO green community



*Are you bugged by unwanted
pests in your garden or home?*

Less Toxic Pest Management

**Saturday, April 27th,
10:00am-12:30pm**

El Cerrito City Hall
10890 San Pablo Avenue
El Cerrito, CA 94530

Come engage with a panel of Integrated Pest Management (IPM), landscape and stormwater management experts.

Introduction to IPM - Andrew Sutherland, Bay Area IPM Advisor

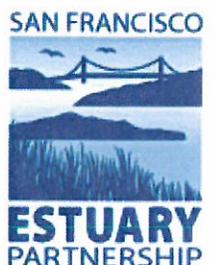
Common Household Pests - Bio-Integral Resource Center

Common Garden Pests - Master Gardeners, UC IPM

Complete agenda available at www.ecenvironment.org

To RSVP or for more information
call **(510) 215-4350**

or email green@ci.el-cerrito.ca.us



10890 San Pablo Avenue El Cerrito, CA 94530
www.ecenvironment.org

Partial funding from the US EPA
San Francisco Bay Water Quality Improvement Fund



WATERSHED ACTION PROGRAM FINAL REPORT

PREPARED FOR
THE CITY OF HERCULES

KIDS for the BAY
1771 Alcatraz Avenue
Berkeley, CA 94703

INTRODUCTION

KIDS for the BAY (KftB) successfully provided the Watershed Action Program to two classes in Hercules reaching fifty-six students and two teachers during the 2011-12 school year. The program is now complete and we are pleased to report that teachers, students and students' families learned about their local watershed and were inspired to take action to improve the health of their watershed.

Ms. Sarah Creeley and Ms. Gina Cavalini's third grade classes at Hanna Ranch Elementary School completed five classroom lessons, an action project and a field trip to the Martinez Shoreline.

The March 2013 Interim Report provided details on the classroom lessons completed earlier this school year. In this report you will find details and highlights from the action project, field trip and Follow-Up Program through written descriptions, quotes from teacher, student and family participants, photographs, samples of student work and teacher evaluations.

SUMMARY OF 2012-2013 ACTION PROJECT

Action projects are an integral component of the Watershed Action Program (WAP). They give students the opportunity to use the knowledge they gained during the classroom lessons to take action to protect their local watershed. KftB Instructors work with teachers and students to choose and implement action projects which ensures that students' projects are appropriate for the school's location and the community's needs.

Environmentally-friendly pesticide recipes

For their Action Project, Hercules Elementary third graders learned how to make environmentally-safe pesticides. The students were inspired to do so after learning about the dangers of pesticides during their classroom lessons. KIDS for the BAY Instructor Kimberly Aguilar visited the third grade classes to demonstrate how to make the pesticides. She reviewed with the students why chemical pesticides might be harmful. One student, Anthony, commented, "The pesticides can get into the bay and kill lots of animals."

Students had the opportunity to cut and blend their own pesticides using natural ingredients, such as garlic and jalapeno. As students excitedly chopped the ingredients, they used their scientific skills – touching, smelling and even tasting the ingredients! The students were very proud of their culinary experiences. One third grade student, Diego shared with Ms. Aguilar, "This is the first time I am cutting a jalapeño, I can't wait to go home and tell my mom what I did today!"

The students were also very happy to learn a way to reduce pesticides in the environment. They watched excitedly as their ingredients turned into a green juice when Ms. Aguilar

pushed the button on the blender. Each student received a small container of the green natural pesticides to share with their families. One student, Terrell suggested, "The sticky garlic will help our organic pesticide stick to our plants!" Students were happy to hear that their organic pesticide won't hurt the pests or hurt animals in the creek, bay, or ocean but will deter them from destroying plants. They shared how they would teach their families what they learned. The students wrote down the recipes and pasted them on colorful ladybugs made of construction paper. One student, Bridget, shared, "I'm going to take it to my grandpa's house because he has a garden and then I'm going to teach him how to make it."

Both teachers were very pleased with the lesson. Ms. Cavallini shared, "The pesticide making was wonderful -- the students loved it. And it's great that they have learned a recipe to share. I'm going to use that same recipe!" Ms. Creeley added, "This activity sends a strong message that students can choose to use products that don't hurt the environment."

SUMMARY OF 2012-13 FIELD TRIPS

Field trips are an important culminating component of the WAP. After students learn about their local watershed during the classroom lessons, they visit a creek, bay or delta habitat near to the school's community. Each field trip is tailored to meet the needs of the class and location, and provides an opportunity for students to study, explore and appreciate the natural world. The experience allows students to personally connect with a local natural environment and generate a deeper understanding of how local waterways and bodies of water are linked to their own school and homes.

Martinez Shoreline Field Trip

Hanna Ranch third graders had a spectacular day at the Martinez Regional Shoreline from start to finish! The students piled out of the bus and were thrilled to be near the bay. One student inhaled deeply and remarked, "It smells so fresh and salty out here." They excitedly looked out at the water and remarked on the boats, the animals, and the docks. The students had the opportunity to experience the bay up-close through a variety of activities, including studying plankton, viewing shoreline birds with binoculars, doing a garbage clean-up and an art project. Ms. Aguilar and KftB Instructor, Bhavana Mody, led the students during their field trip activities.

The third graders were eager to view plankton in microscopes, as they had learned about plankton during their classroom lessons. One student proudly shared, "Plankton gets eaten by anchovies and anchovies get eaten by salmon!" The students learned how to focus the microscopes and view the tiny organisms. "They're so cool!" exclaimed one student, "Look at them wiggling around in there!" A parent commented, "It's amazing that so much life exists on that tiny slide." The students learned how the plankton were collected, using a plankton tow. One student remarked "So if I jump in the water there

will be thousands of plankton all over my body. That is awesome!” The plankton study was a very exciting way for the students to witness all the life that exists in our estuary. The third graders were also very excited to learn how to identify shoreline birds. Using binoculars and field guides, they were captivated by the variety of shorebirds they were able to identify. Birds such as mallards, stilts, and coots were all visible to the students who watched them approach the shore. In pairs, students debated about the characteristics of the birds and shared their observations with one another. One third grade student, Max quietly showed his friends, “Look, it’s a red-winged blackbird! I can see the red part on its wing.” One student shared, “I think this bird is a coot because I saw its white beak!” The third graders were very proud when they identified the shorebirds. Ms. Creeley commented, “I like watching the kids use the (field guide) to identify birds.”

The field trip to the Martinez Shoreline was an exciting and memorable experience for the students, teachers and parent chaperones. Toward the end of the field trip one student, Mikal, exclaimed “This field trip is AWESOME!” Ms. Cavallini and Ms. Creeley were very excited as well. Ms. Cavallini shared, “I loved everything about today—it might be the best field trip we have ever gone on.” Ms. Creeley added, “The field trip was amazing! The kids were actively engaged the entire time.”

ADDITIONAL TEACHER, STUDENT AND COMMUNITY IMPACTS

Teachers noticed that the WAP impacted students in many ways, especially increasing understanding of their connection to, and impact on, their environment. “The kids are more aware of their surroundings and their local environment,” reported Ms. Creeley, “Did you notice at the field trip they were very careful about not leaving trash on the ground?” Ms. Cavallini shared that her students had definitely learned a lot during the WAP program and particularly during the field trip, “Days later, I heard kids identifying birds on our school campus!”

The teachers also shared that the WAP impacted their students’ enthusiasm for learning in their classes. The hands-on quality of the WAP lessons allows students who normally may not thrive academically to have empowering experiences in the classroom. Ms. Cavallini shared, “Some of my most difficult students do their best to hold it together during KIDS for the BAY. They have so much fun that they are motivated to learn and behave just so they can participate. The students all really look forward to the lessons each week.”

Family members were impacted by the WAP through take-home assignments, interviews, volunteering on trips, and simply by students talking about what they learned at home. Ms. Creeley shared, “Students are teaching the lessons and values to their families and friends.” The parent chaperones on the field trip were very positive and enthusiastic about the content their students were learning. One parent of a student named Ryder shared, “KIDS for the BAY really reaches the students. Ryder would come home every

Wednesday and tell me what a great time he had learning about the bay. He really enjoyed the program and I've learned some good things from him."

In fall 2013 a KftB Instructor will contact Ms. Creeley and Ms. Cavallini to prepare them to teach the WAP through the Follow-Up Program, which occurs during the second year of participation in the WAP. Teachers will receive access to an equipment kit and support from KftB Instructors to continue teaching the program to their new classes of students. Ms. Cavallini and Ms. Creeley are looking forward to teaching the WAP to future classes, and feel prepared to teach the program on their own in upcoming years. Ms. Creeley shared, "The kids had a blast with the WAP lessons and now I have so many ideas. I appreciate that the lessons were modeled by Ms. Aguilar so I could see how it's done!"

Attachment C.9.b (a)

City of Hercules Pesticide Use

Victoria , West - Turflon - 6 oz.

Foxboro Park - RoundUp – 6oz

Refugio Ave - Prosecutor - 16 oz

Lupine Ave - Prosecutor - 8 oz.

Ohlone Park - Prosecutor - 10 oz.

Victoria Crescent , East - Prosecutor 8 oz.

City Hall - Prosecutor - 10 oz.

Willow Ave. – Prosecutor - 10 oz

San Pablo Ave. - Prosecutor - 12 oz

Sycamore Ave. - RoundUp - 8 oz

Redwood Ave. - RoundUp - 6 oz

Islands on Refugio - Turflon - 6 oz.

Teen Center – RoundUp – 10 oz

Refugio - RoundUp - 8 oz

Ohlone Park – RoundUp – 10 oz

Sycamore Ave. – RoundUp – 8oz

Lupine Ave. – RoundUp – 8 oz

City Hall – RoundUp – 10 oz

Victoria Crescent , East - RoundUp - 12oz

Refugio Ave. - RoundUp - 12 oz

Date: 07/18/12 04:46 PM
 System Date: 07/18/12

Hitmen Termites and Pest Control Inc

Material Report

Start Date:	[06/30/11]	Material:	[All]	Technician:	[All]	Zip:	[All]
End Date:	[06/30/12]	Branch:	[All]	Location:	[All]	State:	[All]
Manufacturer:	[All]	Street:	[All]	[Current Records]			
Service:	[All]	Route:	[All]	Target:	[All]		
Sorted by:	[Location, Work Date]						

EPA	Qty	UOM	Application Time	Dosage	Undil.Qty	UOM	Tech	Method	Equipment	Lot Number	Targets	Device	Type	Wind	Air Temp	Conditions	Dil. Factor	Device Name	Device Type	Invoice #
Product / Active Ingredient																				
Comment																				
City Of Hercules - Swim Center 2001 Refugio Valley Road Hercules, CA 94547																				
70506-24	0.5000	OZ	07/07/11 02:35 PM	100.0000	0.5000	OZ	JALG				RAS			0	0		1.00000000			852640
Area:																				
Up-Star Gold - Bifenthrin																				
	1.0000	OZ	08/29/11 01:10 PM	100.0000	1.0000		JALG				RAS			0	0		1.00000000			859835
Area:																				
Eco Exempt IC 2																				
70506-24	1.5000	OZ	09/15/11 04:14 PM	100.0000	1.5000	OZ	JALG				RAS			0	0		1.00000000			867459
Area:																				
Up-Star Gold - Bifenthrin																				
	0.2000	OZ	11/03/11 12:14 PM	100.0000	0.2000		JALG				RAS			0	0		1.00000000			882966
Area:																				
Eco Exempt IC 2																				
70506-24	0.7000	OZ	12/01/11 07:18 AM	100.0000	0.7000	OZ	LLLOYD				RAS			0	0		1.00000000			890482
Area:																				
Up-Star Gold - Bifenthrin																				

Material Report

EPA	Qty	UOM	Application Time	Dosage	Undil.Qty	UOM	Tech	Method	Equipment	Lot Number	Targets	Device	Type	Wind	Air Temp	Conditions	Dil. Factor	Device Name	Device Type	Invoice #
Product / Active Ingredient																				
Comment																				
70506-24	0.8000	OZ	01/05/12 01:34 PM	100.0000	0.8000	OZ	LLLOYD				RAS			0	0		1.00000000			896929
Area:																				
Up-Star Gold - Bifenthrin																				
70506-24	0.8000	OZ	02/02/12 12:39 PM	100.0000	0.8000	OZ	LLLOYD				RAS			0	0		1.00000000			903102
Area:																				
Up-Star Gold - Bifenthrin																				
	1.0000	LB	03/01/12 12:37 PM	100.0000	1.0000		LLLOYD				RAS			0	0		1.00000000			909648
Area:																				
Eco Exempt G																				
70506-24	0.7000	OZ	04/05/12 02:31 PM	100.0000	0.7000	OZ	LLLOYD				RAS			0	0		1.00000000			916242
Area:																				
Up-Star Gold - Bifenthrin																				
70506-24	0.8000	OZ	05/03/12 08:23 AM	100.0000	0.8000	OZ	LLLOYD				RAS			0	0		1.00000000			923234
Area:																				
Up-Star Gold - Bifenthrin																				
	0.4000	OZ	06/07/12 12:48 PM	100.0000	0.4000		LLLOYD				RAS			0	0		1.00000000			930971
Area:																				
Eco Exempt IC 2																				

Report Totals

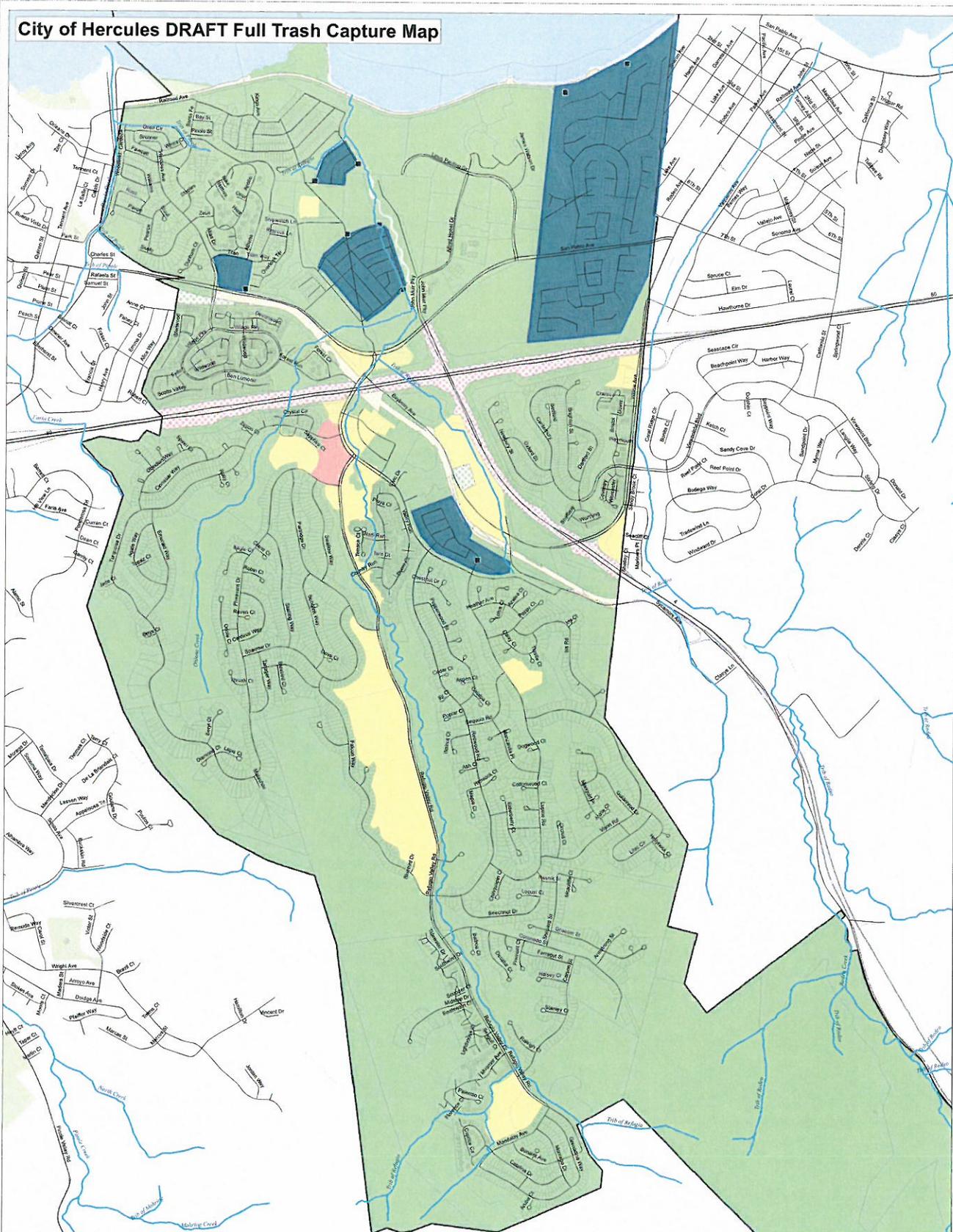
	Diluted Totals		Undiluted Totals	
Eco Exempt G		1 LB	Eco Exempt G	1
Eco Exempt IC 2		1.6 OZ	Eco Exempt IC 2	1.6
Up-Star Gold		5.8 OZ	Up-Star Gold	5.8 OZ



CERTIFICATIONS / LICENSES / DESIGNATIONS

<u>ISSUED BY</u>	<u>LIC./CERT. NO.</u>	<u>CATEGORY</u>	<u>HOLDER</u>	<u>DATE EXP.</u>
International Society of Arboriculture	Cert. # NY-0078A	Arborist	Scott Smallen	12-31-2013
CA Dept. of Pesticide Regulation	Lic. # 105978 (QAL)	PC Operator/Applicator	Scott Smallen	12-31-2013
CA Dept. of Pesticide Regulation	Lic. #35074	Pest Control Business License	D&H Landscaping	12-31-2014
The Irrigation Association	Cert. #56908	Landscape Irrigation Auditor	Daniel Ebstein	N/A
American Water Works Assoc.	Cert. #09806	Backflow Prevention Assemb.	Daniel Ebstein	N/A
State of CA	Lic. #810556	CA Landscape Contractors License C-27	D&H Landscaping	07-31-2014
The Irrigation Association	Cert. # 004572	Certified Irrigation Contractor	Daniel Ebstein	N/A
The Irrigation Association	Cert. # 004572	Certified Irrigation Designer	Daniel Ebstein	N/A
Environmental Protection Agency	N/A	Certified WaterSense Partner	Daniel Ebstein	N/A
Bay-Friendly Landscaping & Gardening Coalition	N/A	Qualified Bay-Friendly Landscape Maintenance Professional	Farrin White	2014

City of Hercules DRAFT Full Trash Capture Map



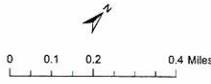
Legend

Trash Generation Category	Creek/Shoreline Hotspot	Streets
Low	Full-Capture Location	Agency Boundary
Low/Medium	Full Trash Capture	Creeks
Medium	Non-Jurisdictional	Parcel Boundary
Medium/High	Dot color = Generation Category	
High		
High/Very High		
Very High		

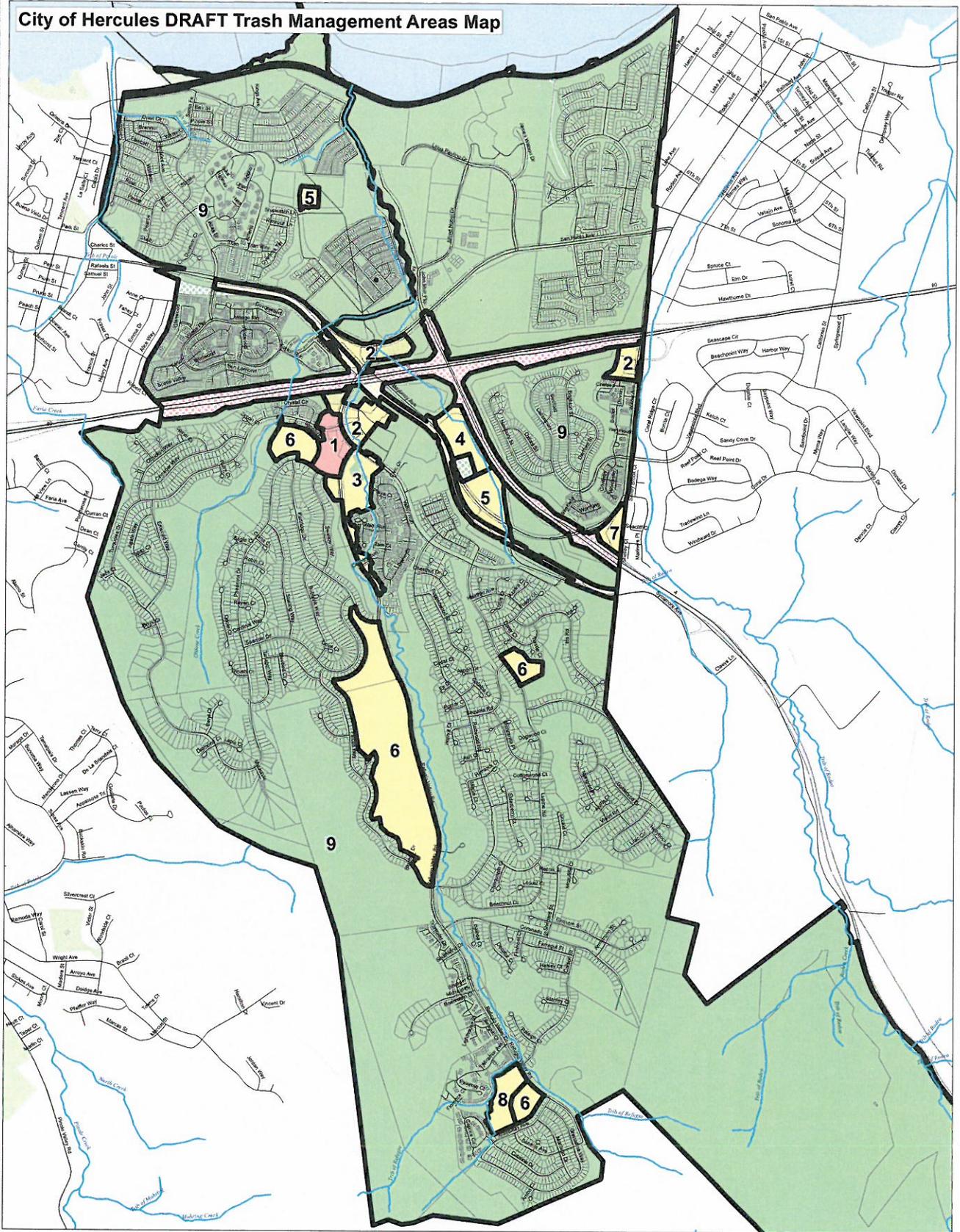
Data Sources:
 Roads: Tele Atlas
 City Boundaries: Contra Costa County
 Background: ESRI World Topographic Map

Map Created By:
 EDA, Inc.

Date:
 August 30th, 2013

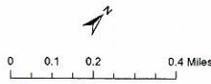


City of Hercules DRAFT Trash Management Areas Map



Legend

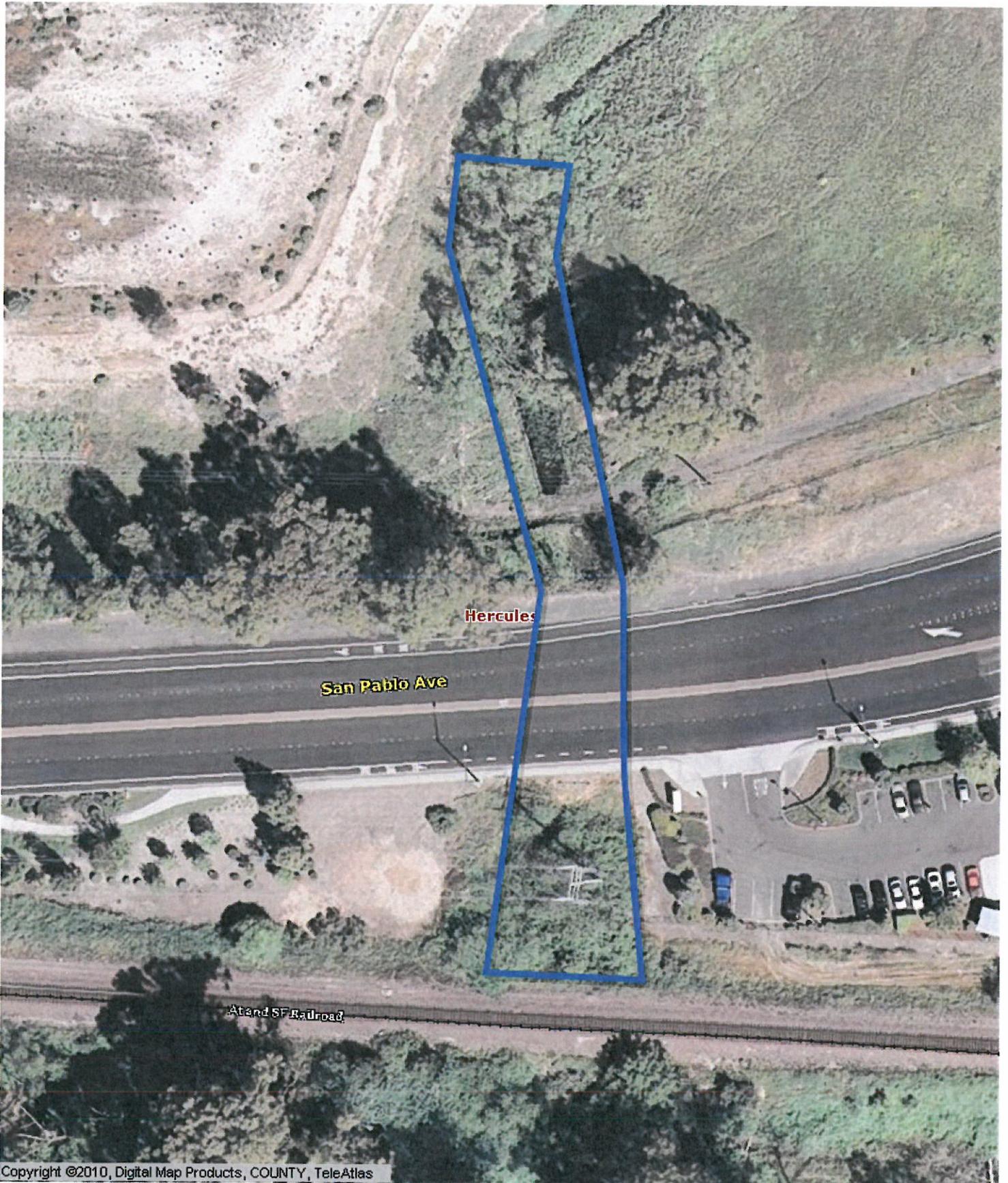
 Low	Creek/Shoreline Hotspot	Streets
 Low/Medium	Trash Management Area	Agency Boundary
 Medium	Non-Jurisdictional	Creeks
 Medium/High	(Dot color = Generation Category)	Parcel Boundary
 High		
 High/Very High		
 Very High		



Data Sources:
 Roads: Tolo Atlas
 City Boundaries: Contra Costa County
 Background: ESRI World Topographic Map

Map Created By:
 EOA, Inc.

Date:
 August 30th, 2013



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CITY OF HERCULES

CREEK HOT SPOT



1" = 60'



CityGIS