

DOMINGUEZ CHANNEL WATERSHED MANAGEMENT AREA - EWMP

July 9, 2015

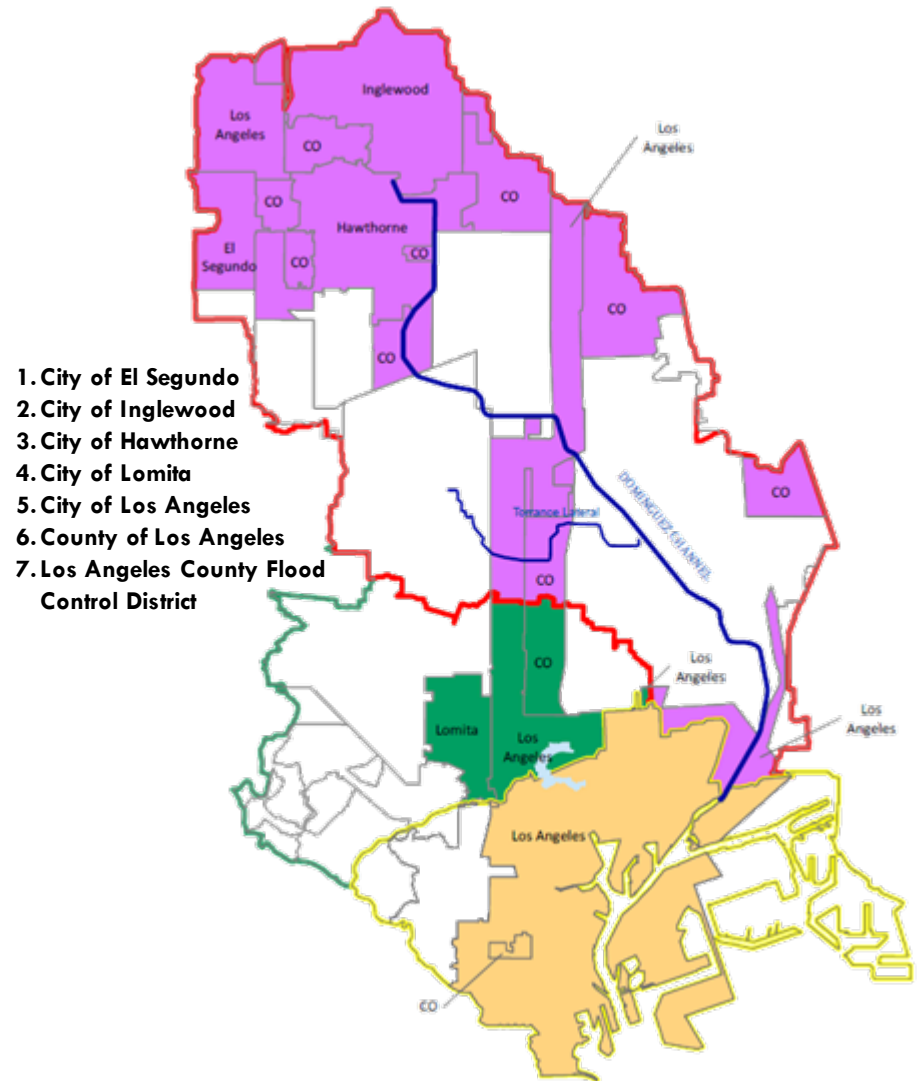
Dominguez Channel WMA Group

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Group's jurisdiction:

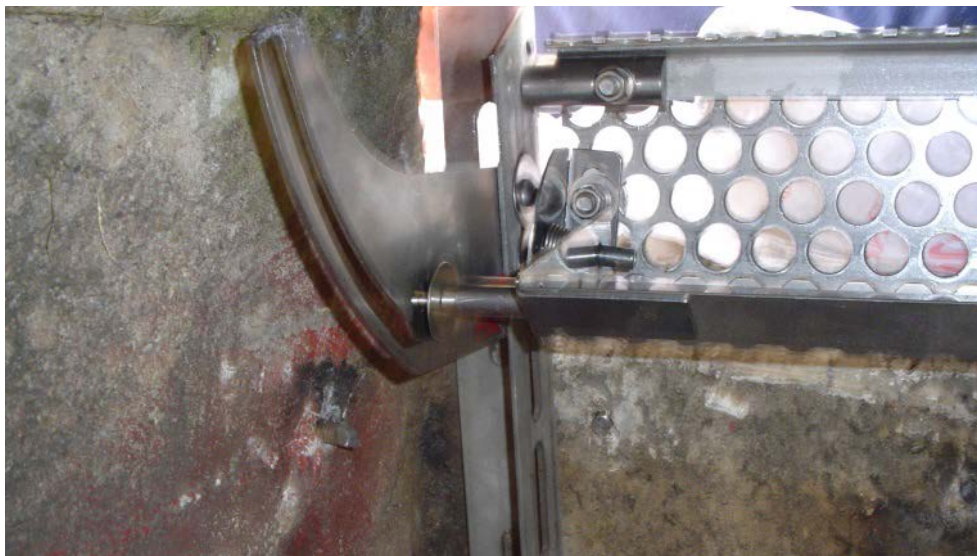
58 sq. miles of 133 sq. mile total Watershed Management Area

- Fully built out watershed
- High percentage of impervious area
- Top Landuses:
 - 28% Single Family
 - 18% Commercial
 - 16% Industrial
 - 16% Other Urban (Transportation)
 - 14% Multifamily Residential



Early Action Project: Catch Basin Retrofit Project

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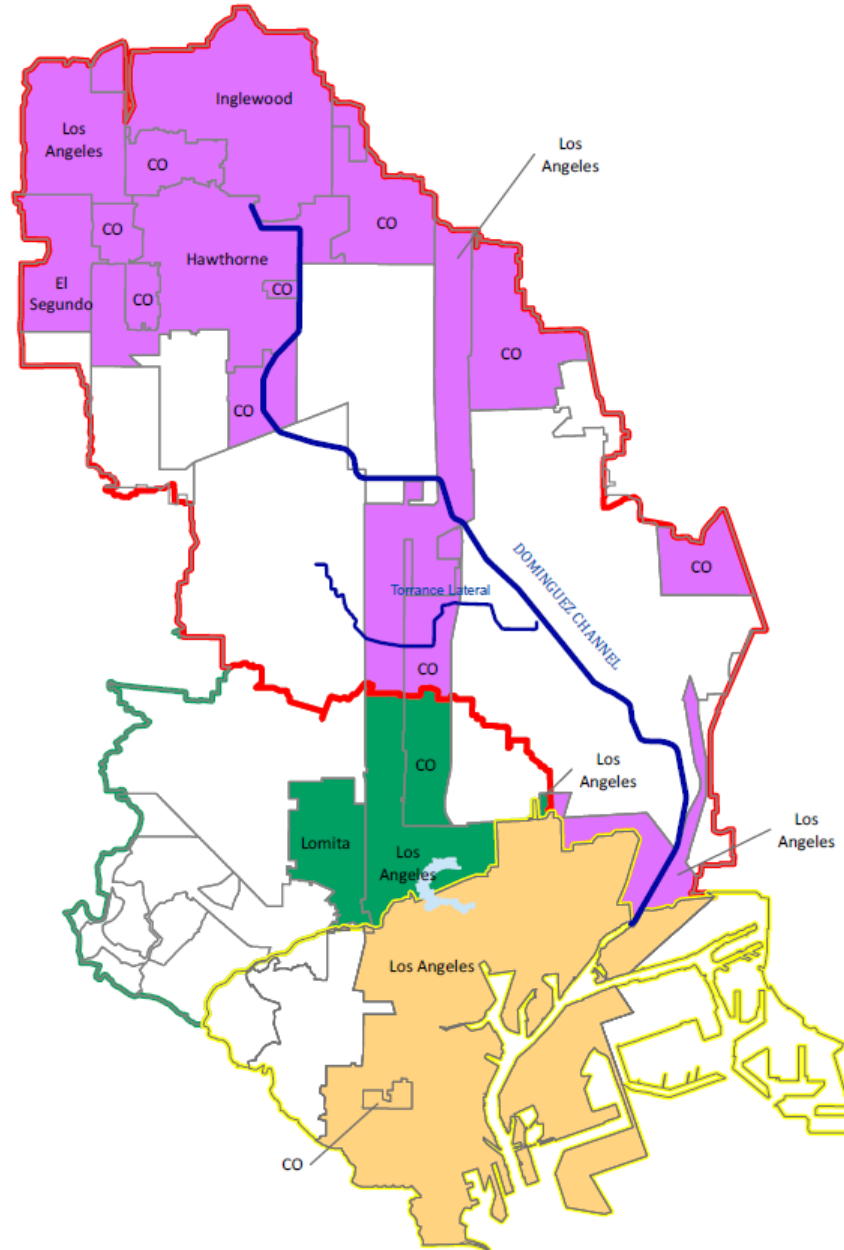


- ❑ Retrofitted 1,325 CBs with automatic retractable screens (ARS)
- ❑ Approximately \$1.5 Million
- ❑ Completed June 2014

Dominguez Channel Watershed Management Area

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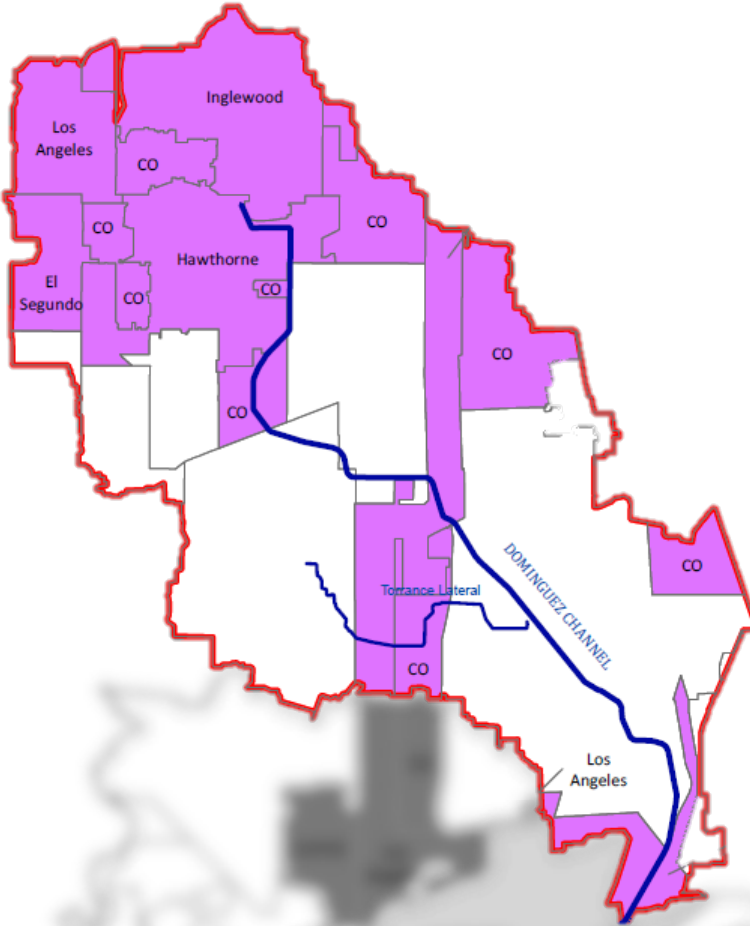
DISTINCT DRAINAGE
AREAS



Dominguez Channel Watershed

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DISTINCT DRAINAGE
AREAS



Applicable TMDLs

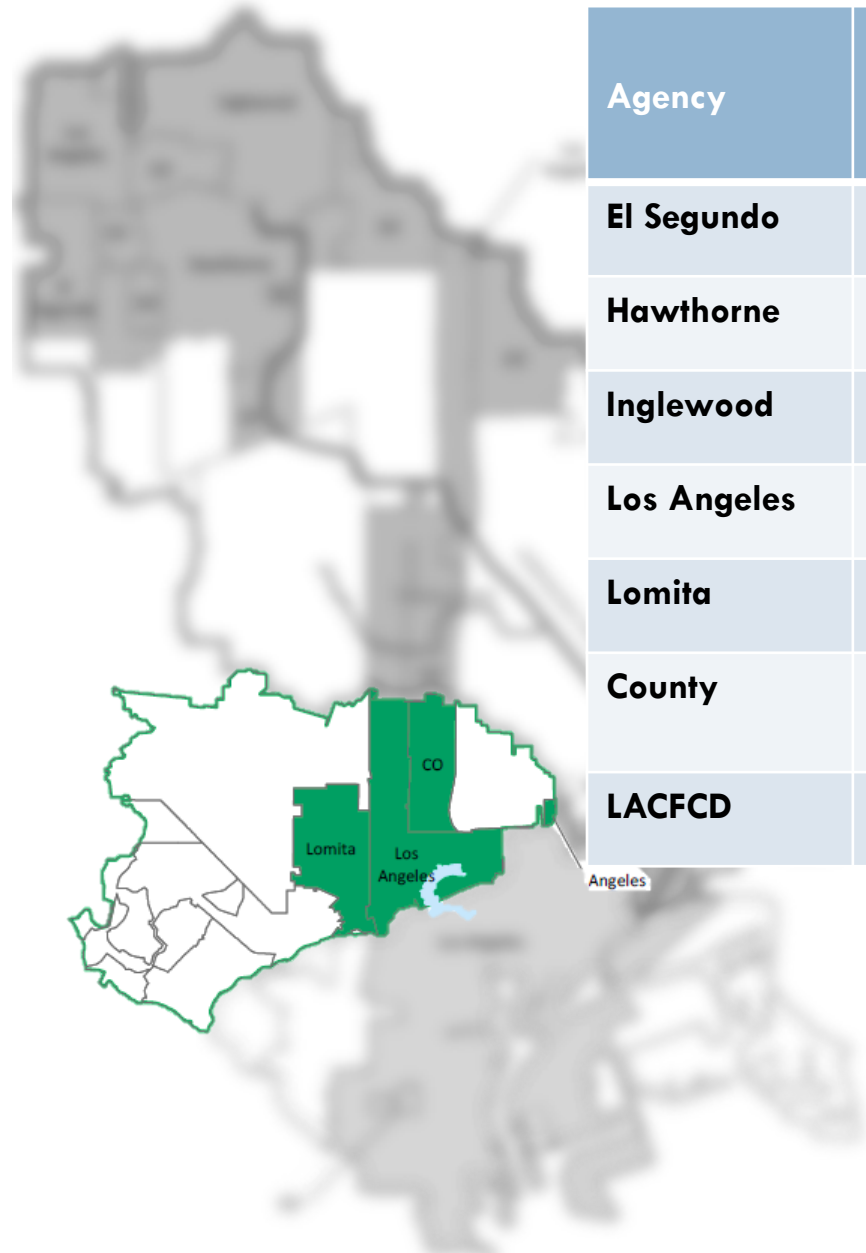
Agency	Dominguez Channel and Greater LA/LB Harbor Toxics TMDL
El Segundo	✓
Hawthorne	✓
Inglewood	✓
Los Angeles	✓
Lomita	
County	✓
LACFCO	✓



Machado Lake (ML) Watershed

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**DISTINCT DRAINAGE
AREAS**



Applicable TMDLs

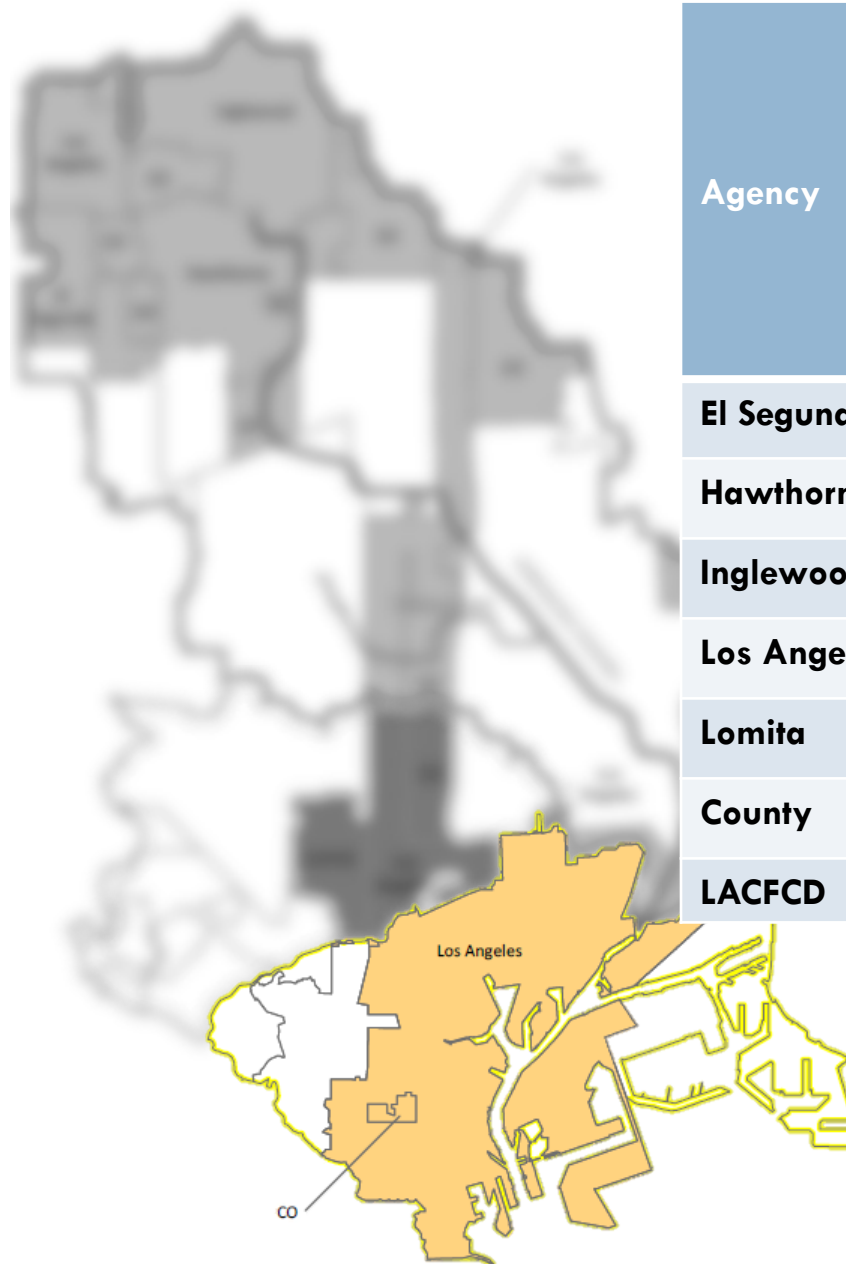
Agency	ML Trash TMDL	ML Nutrients TMDL	ML Toxics TMDL
El Segundo			
Hawthorne			
Inglewood			
Los Angeles	✓	✓	✓
Lomita	✓	✓	✓
County	✓	✓	✓
LACFCD	✓	✓	✓



LA Harbor Watershed

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**DISTINCT DRAINAGE
AREAS**

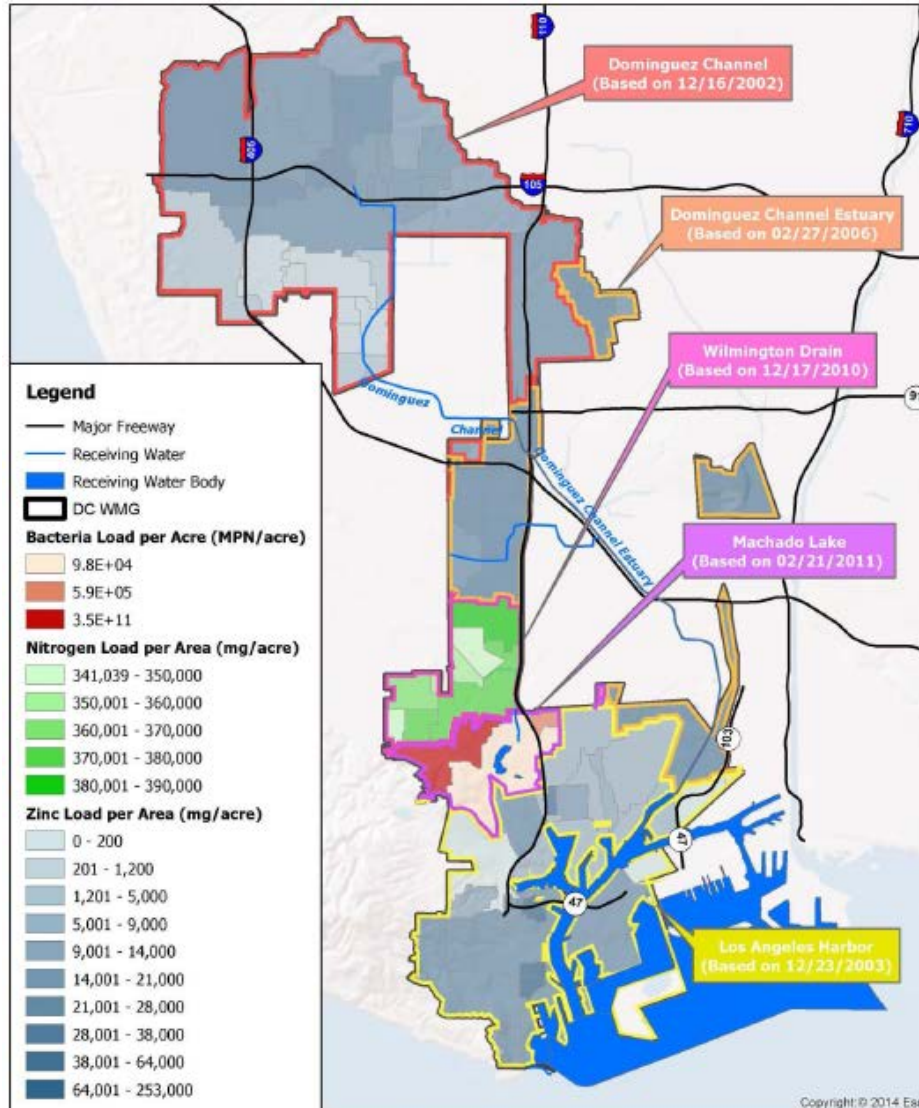


Applicable TMDLs

Agency	Dominguez Channel & Greater LA/LB Harbor Toxics TMDL	LA Harbor Bacteria TMDL
El Segundo		
Hawthorne		
Inglewood		
Los Angeles	✓	✓
Lomita		
County	✓	✓
LACFCO	✓	✓

Reasonable Assurance Analysis

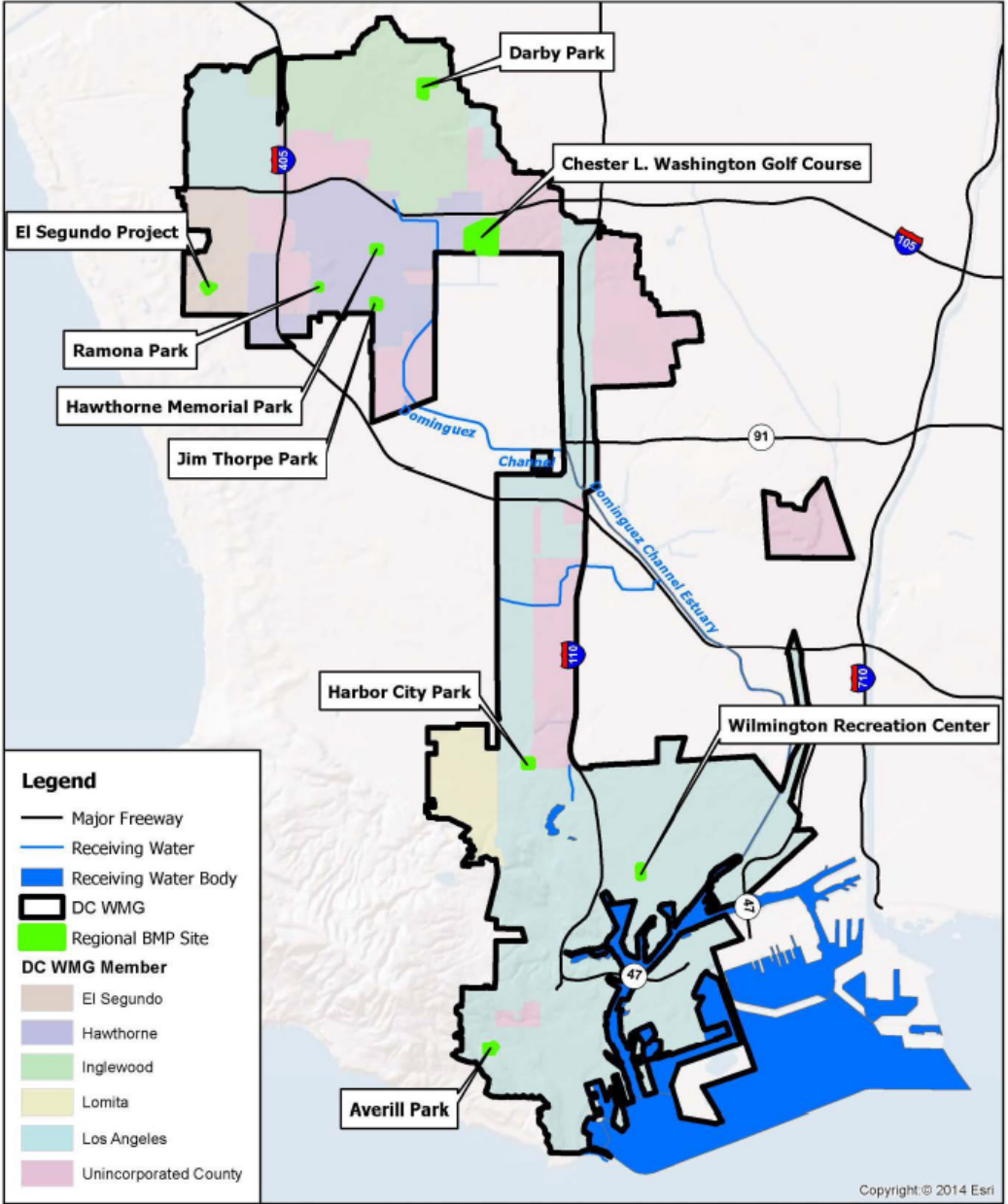
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- Zinc Governs:
 - ▣ Dominguez Channel
 - ▣ Dominguez Channel Estuary
 - ▣ LA Harbor
- Nitrogen Governs:
 - ▣ Wilmington Drain
- Fecal Coliform Governs:
 - ▣ Machado Lake



Priority Regional Projects (9)



Dominguez Channel Compliance Strategy

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Priority Regional Projects:

Project Site	Ownership	Parcel Size (ac)	Drainage Area (ac)	Storage Volume (ac-ft.)
Chester Washington Golf Course (North)	County	116	636	26.4
Chester Washington Golf Course (South)			542	26.1
El Segundo Pump Station	El Segundo	6.2	574	27.0
Jim Thorpe Park	Hawthorne	7.6	378	16.0
Ramona Park	Hawthorne	1.7	273	12.9
Hawthorne Memorial Park	Hawthorne	6.6	202	8.2
Darby Park	Inglewood	19.5	106	5.2

287 lane miles of Green Streets

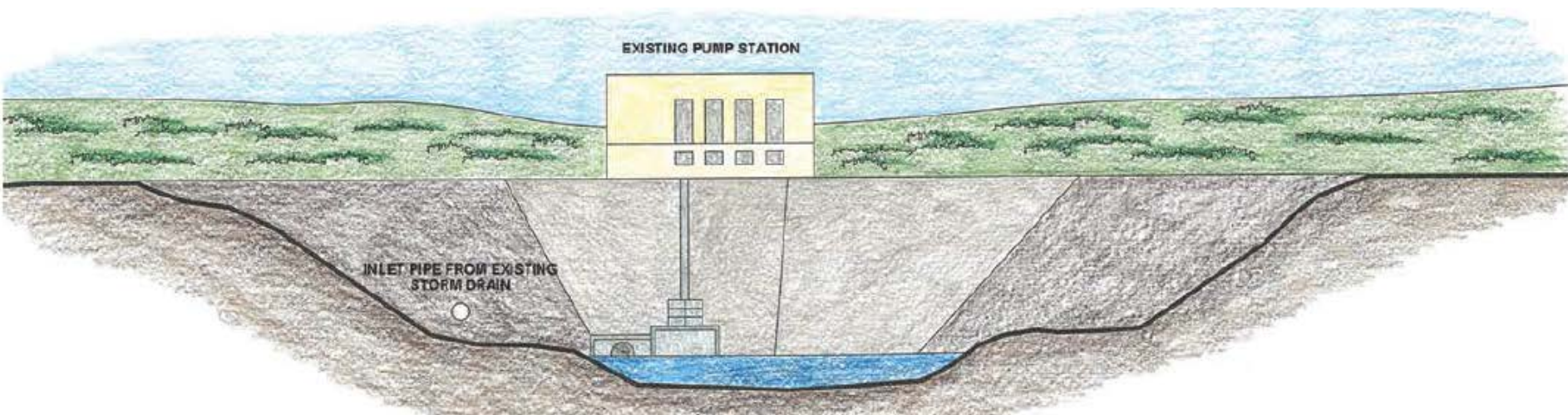
Final Compliance 2032

Dominguez Channel: El Segundo Pump Station

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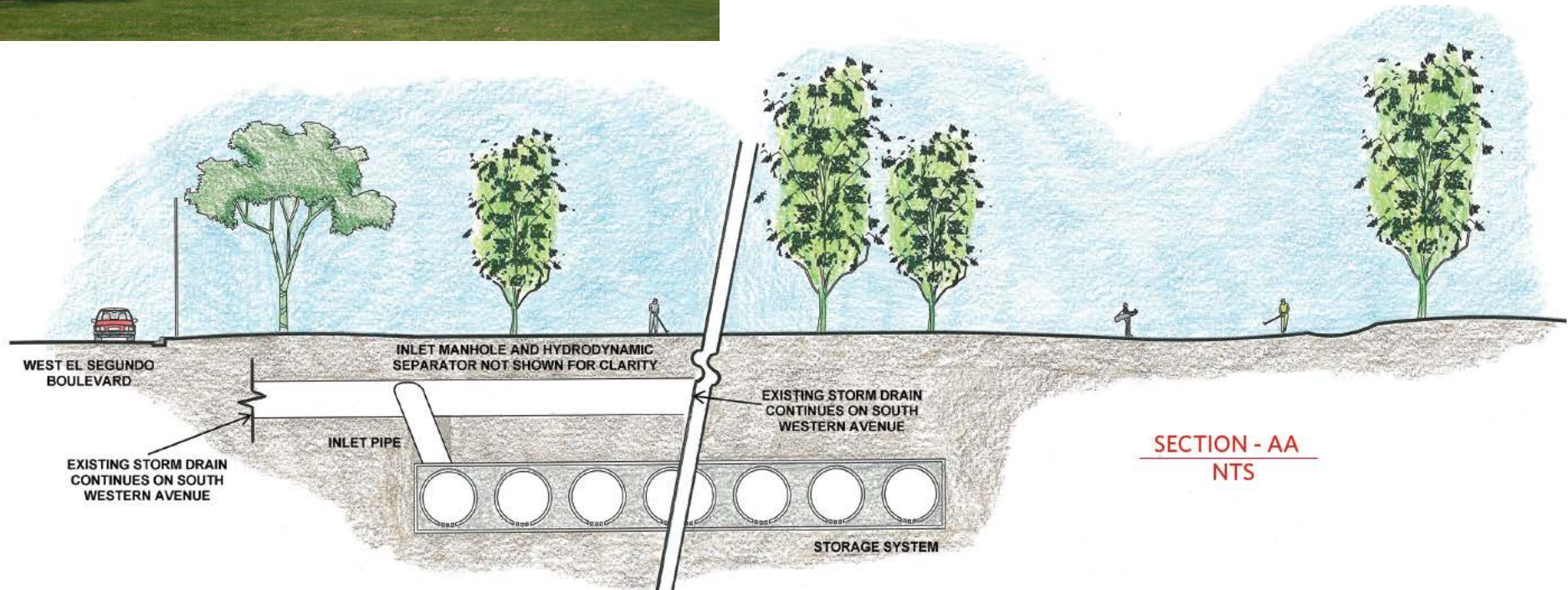
- ❑ Approx. 500 acre drainage area
- ❑ Site to be re-graded
 - ❑ Promote better infiltration
- ❑ Design has commenced





Dominguez Channel: Chester Washington Golf Course

- ❑ 1,178 acre drainage area
- ❑ Underground storage with perforated bottom





Machado Lake Compliance Strategy

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- ❑ Completed Wilmington Drain Multiuse Project
- ❑ Machado Lake Rehabilitation Project underway
- ❑ Priority Regional Project:

Project Site	Ownership	Parcel Size (ac)	Drainage (ac)	Storage Volume (ac-ft.)
Harbor City Park	Los Angeles	14.8	4,460	80.7

- ❑ 9 lane miles of Green Streets
- ❑ Full Capture Devices installed throughout watershed

Machado Lake Ecosystem Project

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- Est. Cost: \$75 million
- Completion Date April 2017



LA Harbor Compliance Strategy

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Regional Projects:

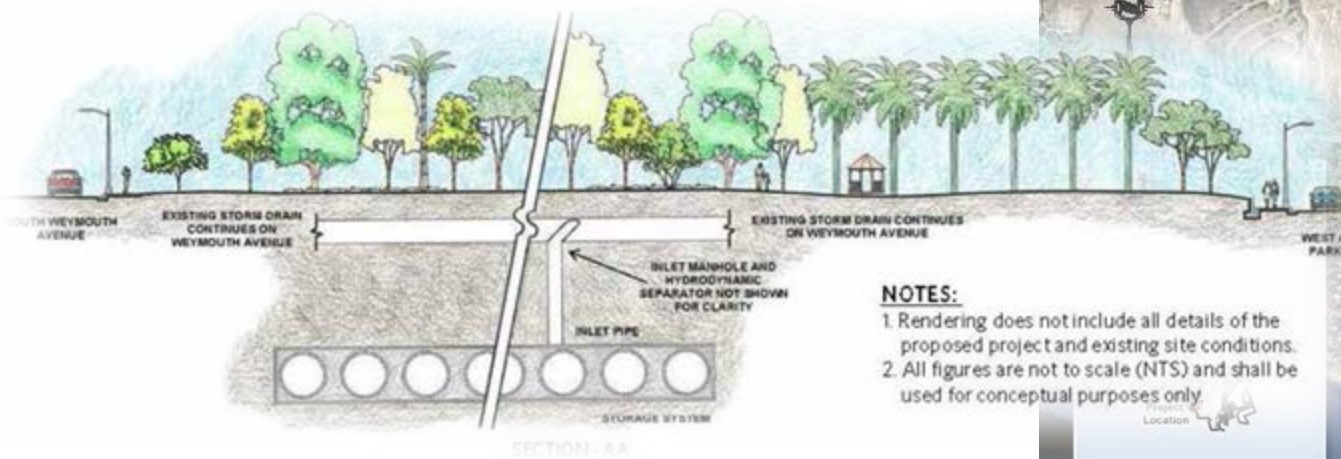
Project Site	Ownership	Parcel Size (ac)	Drainage Area (ac)	Storage Volume (ac-ft.)
Averill Park	Los Angeles	10.7	1,376	21.4
Wilmington Rec. Center	Los Angeles	7.2	273	12.9

- 115 Lane miles of Green Streets
- Comprehensive monitoring program underway
- Final Compliance 2032

LA Harbor Project: Averill Park

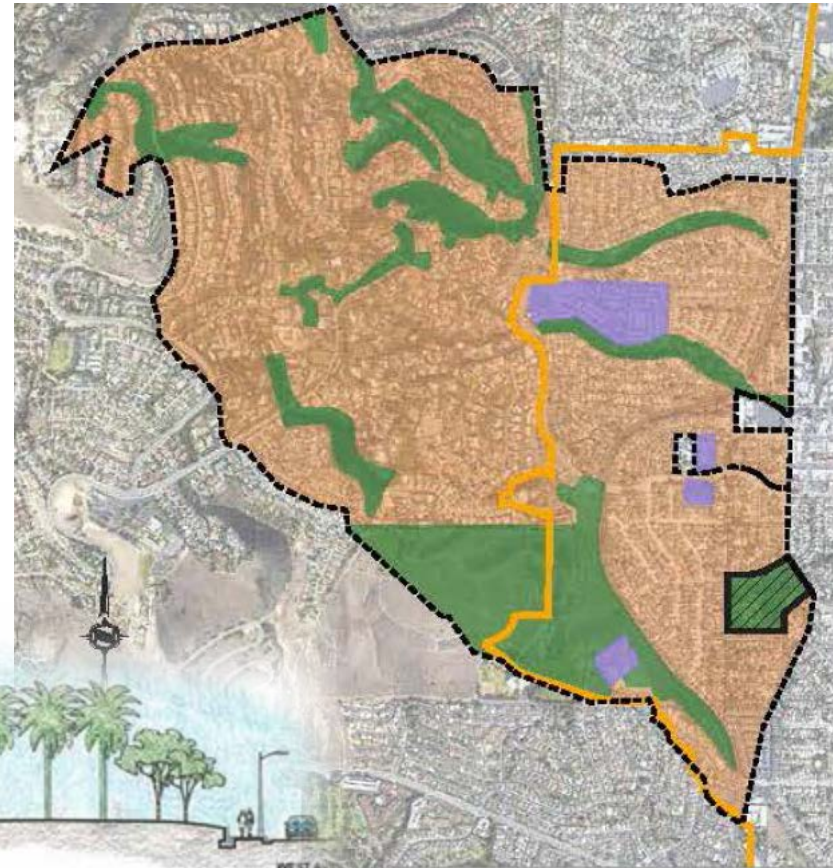
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- 1,376 acre drainage area
- Underground storage with perforated bottom



NOTES:

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



Legend

Project Location	Industrial
Subcatchment	Multi-Family Residential
DC WMG	Open Space
Land Use	
Government/Public	Schools
Single Family Residential	



Implementation Costs / Funding Strategy

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Costs

- ❑ Total EWMP Capital Cost: \$1.3 Billion
- ❑ Annual O&M at Build-out: \$12.4 Million

Funding

- ❑ Grants
 - ❑ Prop 1 Water Bond
 - ❑ IRWMP
 - ❑ USEPA 319 Grants
- ❑ Fees
 - ❑ Local Stormwater Fees
 - ❑ Sales Tax
- ❑ Legislative
 - ❑ Amend Prop 218
 - ❑ Source Control (i.e. SB 346)

Stakeholder Outreach

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- All events held at LA Zoo
- April 10, 2014
 - April 22, 2014 webinar for Dominguez Stakeholders
- November 20, 2014
- March 19, 2015

LOS ANGELES



**CATCH THE
NEW WAVE**



**ENHANCED
WATERSHED
MANAGEMENT**

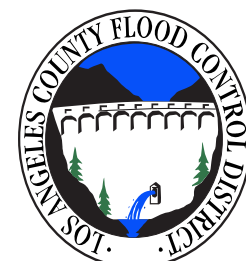
BRINGING BENEFITS TO ALL
SOUTHERN CALIFORNIANS



Local Support from elected officials

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Agency	Elected Official Support
El Segundo	Received Authorization in 2014.
Hawthorne	June 23, 2015: City Council Approval
Inglewood	June 23, 2015: City Council Approval
Los Angeles	June 16, 2015: City Council Approval
Lomita	June 24, 2015: City Council Approval
County	May 26, 2015: Board of Supervisors Approval
LACFCD	May 26, 2015: Board of Supervisors Approval



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