

Los Angeles Regional Water Quality Control Board

Santa Monica Bay Jurisdictional Groups 2 & 3 EWMP

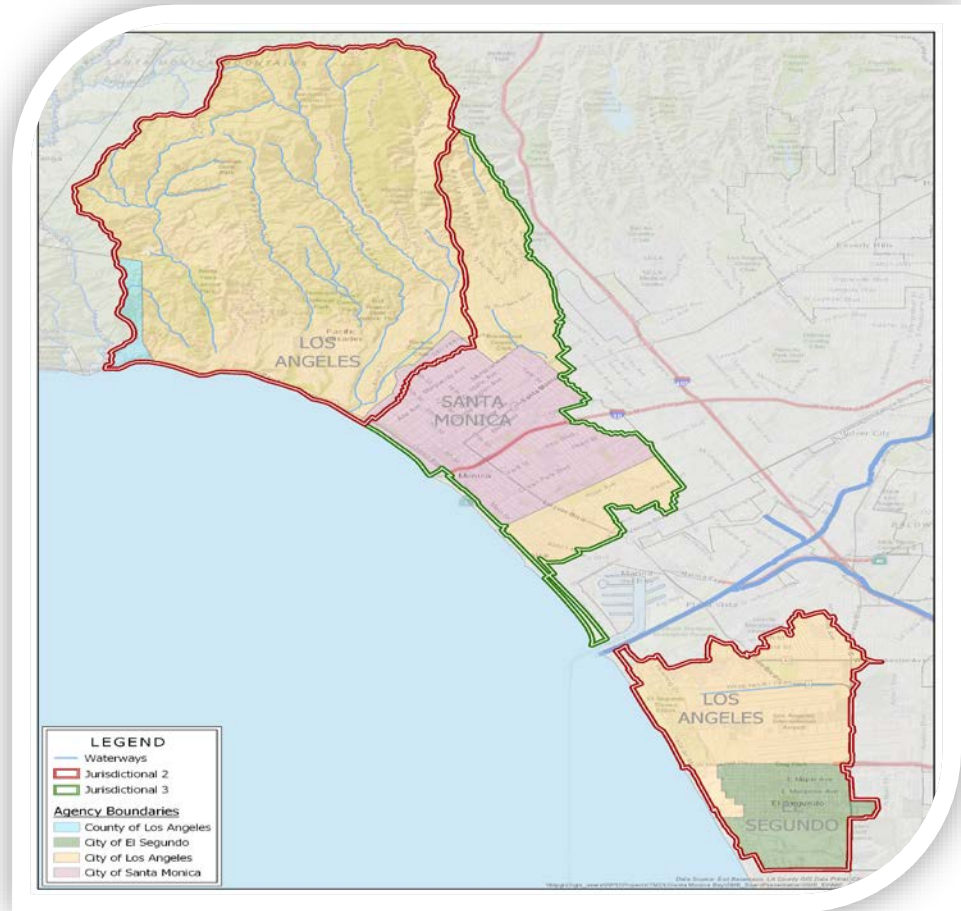
Cities of El Segundo, Los Angeles, Santa Monica, County of Los Angeles,
and Los Angeles County Flood Control District

July 12, 2018

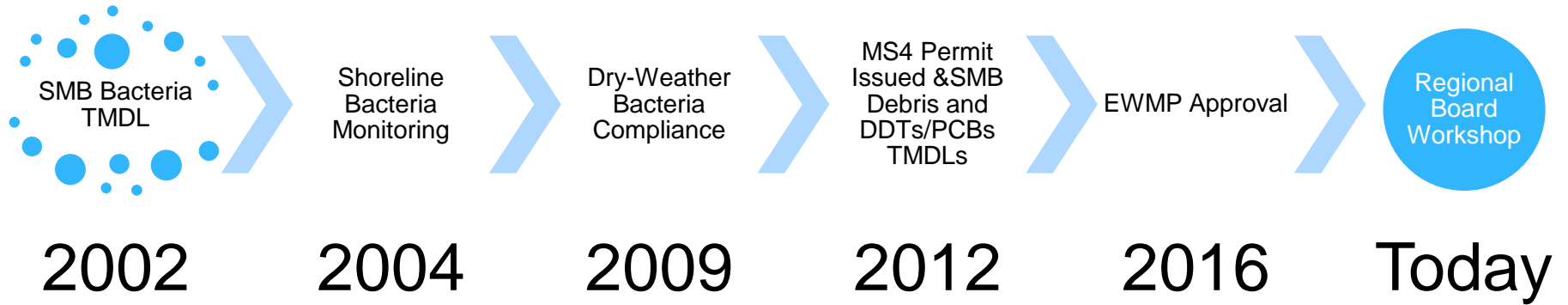
Santa Monica Bay Jurisdictional Group 7 WMP
City of Los Angeles and Los Angeles County Flood Control District

Watershed Summary

- 5 Participating Agencies
- ~25,240 acres
- Major Waterbody:
Santa Monica Bay
- TMDLS: Bacteria,
Debris, & DDTs & PCBs



Watershed History





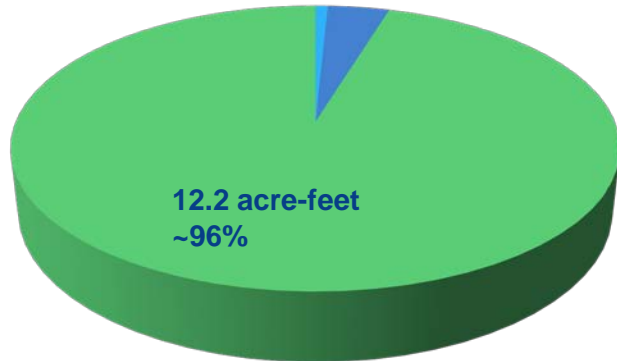
Early Actions & Efforts

SMB JG2 & JG3 EWMP

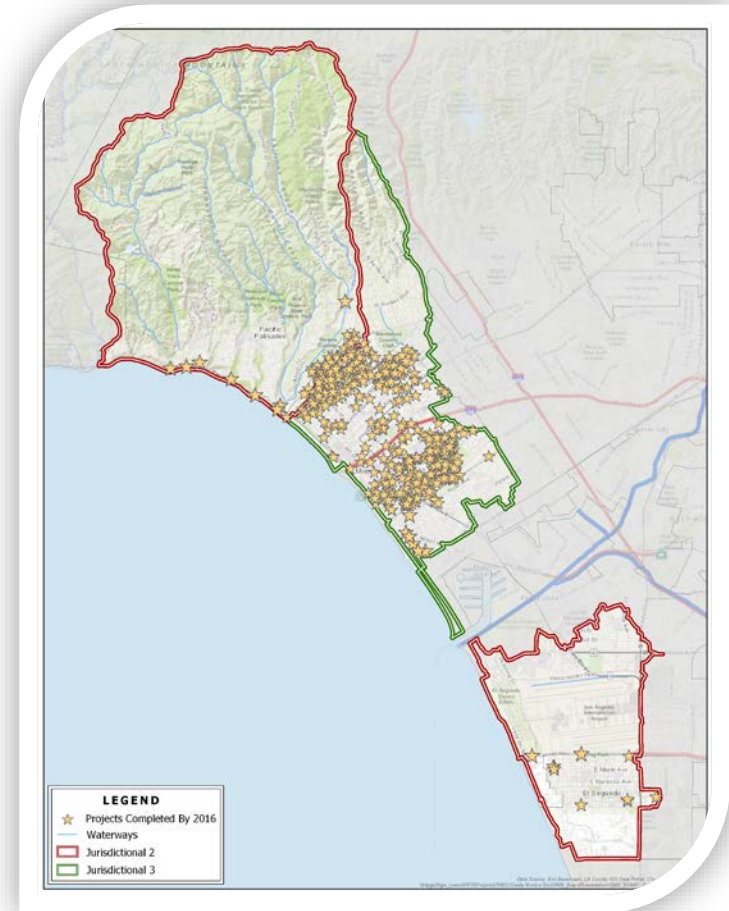
Early Projects

- Total of 120 projects throughout JG2/JG3 prior to EWMP adoption

BMP Capacity (Acre-Feet)



- Green Streets
- Low Impact Development
- Regional Projects



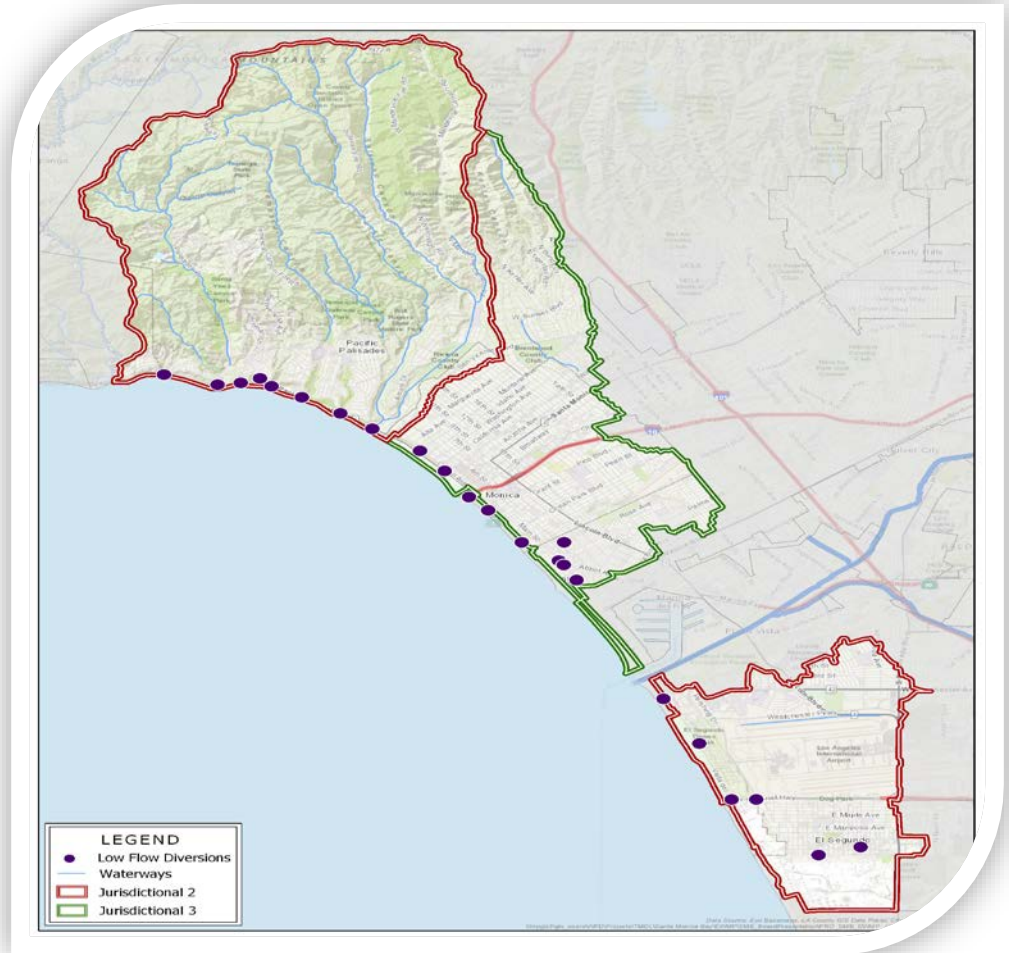
Debris TMDL

- ~2,835 Catch Basins Retrofitted
- Institutional Measures
- MCMs
- Compliance Status: 100%



Dry-Weather Bacteria TMDL

- Installed and Operational as of 2009
- Summer - and Winter - Dry Weather
- Compliance Status: 100%

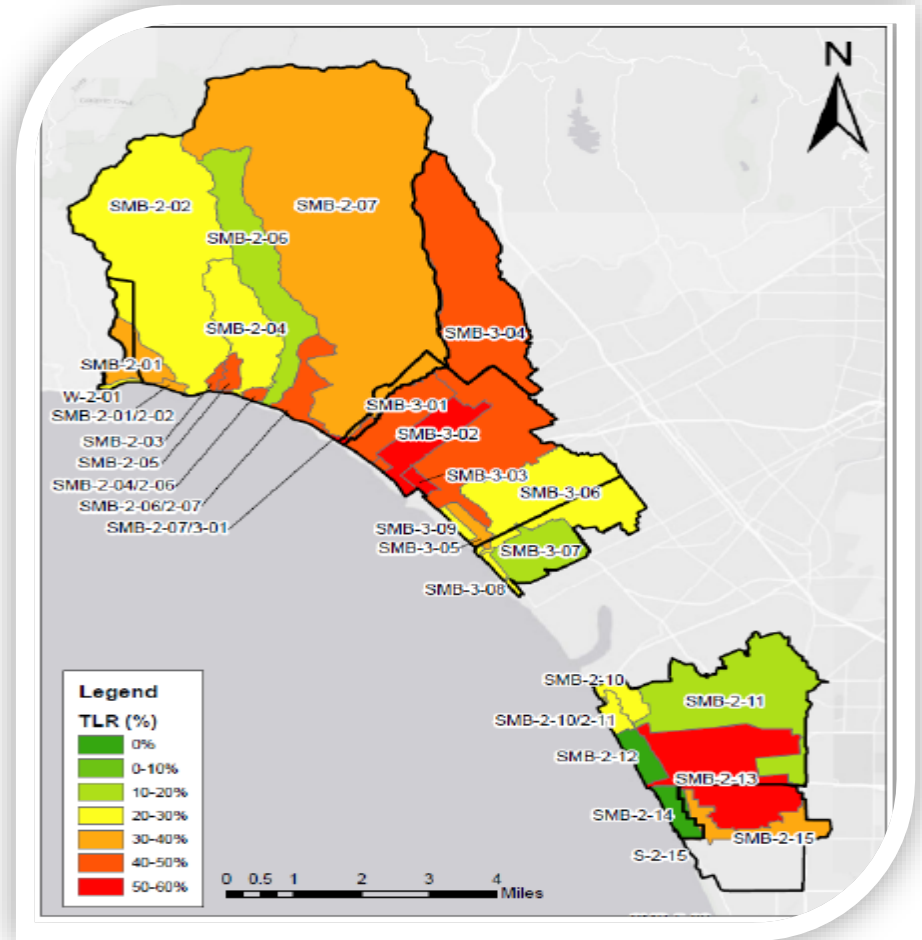


A scenic view of a beach at sunset. The sky is a mix of orange, yellow, and light blue. In the background, a long wooden pier extends into the ocean. On the pier, there is a large Ferris wheel and a roller coaster. The ocean waves are breaking on the sandy beach. The text "Enhanced Watershed Management Program" is overlaid in white serif font on the lower half of the image.

Enhanced Watershed Management Program

SMB JG2/ JG3 EWMP Summary

- Driver: Wet-Weather Bacteria
- 8 Signature Regional Projects
- Implementation Costs:
\$650 Million
- Management of ~313 acre-feet
of Stormwater by 2021





Watershed Monitoring

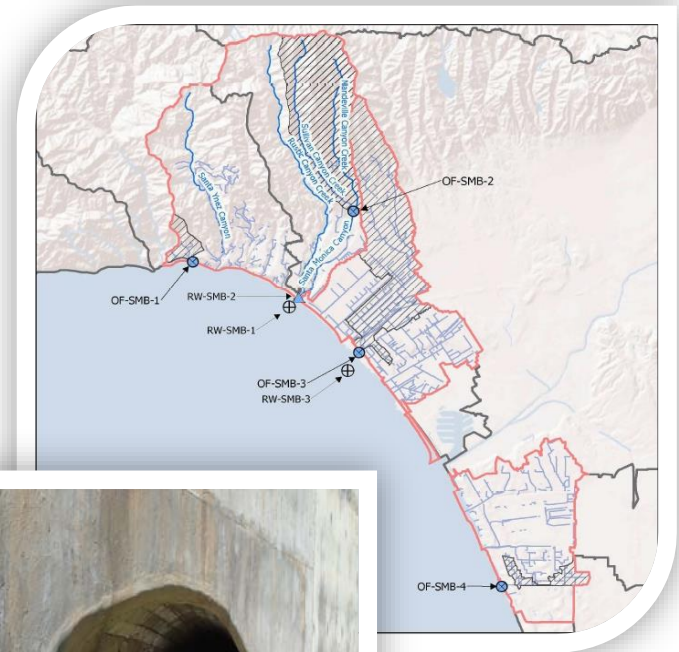
SMB JG2 & JG3 EWMP

Watershed Monitoring

Station Type	# of monitoring locations	Automated sampling stations (wet weather)
Main Stem RW	1 (1 ME sites)	1
Ocean RW	2	N/ A
SWO	4	N/ A
Total	7	1

Summary of Non -Storm Water Based Screening and Monitoring Program

Receiving Water	No. of Outfalls	No. of Screening Events Since Dec 28, 2012	Significant Non-Storm Water Discharges	
			Total Confirmed	Total No. Being Monitored
Santa Monica Canyon	51	5	2	2
Rustic Creek	11	3	1	1
Total	62	8	3	3



Shoreline Bacterial Monitoring

- Since 2004
- 27 stations within JG 2 & JG 3





EWMP Projects

SMB JG2 & JG3 EWMP

Temescal Canyon

- **Status:** Complete
- **Cost:** \$19 Million
- **Volume:** 3.9 acre-feet
- **Treatment:** Stormwater Diversion and Onsite Treatment
- **End Use:** Offset potable water use



Riviera Country Club Regional Project

- **Status:** Planning
- **Cost:** \$3 Million
- **Volume:** 4.1 acre-feet
- **Treatment:** Stormwater Diversion, Onsite Treatment, and Infiltration
- ~150 acre-feet managed annually
- **End Use:** Offset potable water use



Old Oak Road Green Street

- **Status:** Completed
- **Cost:** \$410,000
- **Volume:** 22 acre-feet
- **Treatment:** Series of 11 bioswales
- **End Use:** Infiltration



Penmar Water Quality Improvement Project

- **Status:** Completed
- **Cost:** \$24 Million
- **Volume:** 6.1 acre-feet
- **Treatment:** Diversion and onsite treatment of Wet - and Dry-Weather runoff
- **End Use:** Offset potable water use



Argo Drain Sub-Basin Facility

- **Status:** In Planning
- **Cost:** \$30 Million
- **Volume :** 27 acre-feet
- **Treatment:** Pre-treatment and Infiltration Gallery
- **End Use:** Infiltration



Los Amigos Park

- **Status:** Completed
- **Cost:** \$\$1.8 Million
- **Volume:** 0.2 acre-feet
- **Treatment:** Underground Cistern and Onsite Treatment
- **End Use:** Onsite irrigation and restroom flushing



Santa Monica Pier Project

- **Status:** Construction
- **Cost:** \$14.9 Million
- **Volume :** 4.60 acre-feet
- **Treatment:** Underground Cistern and Diversion to SMURRF
- **End Use:** Offset potable water use

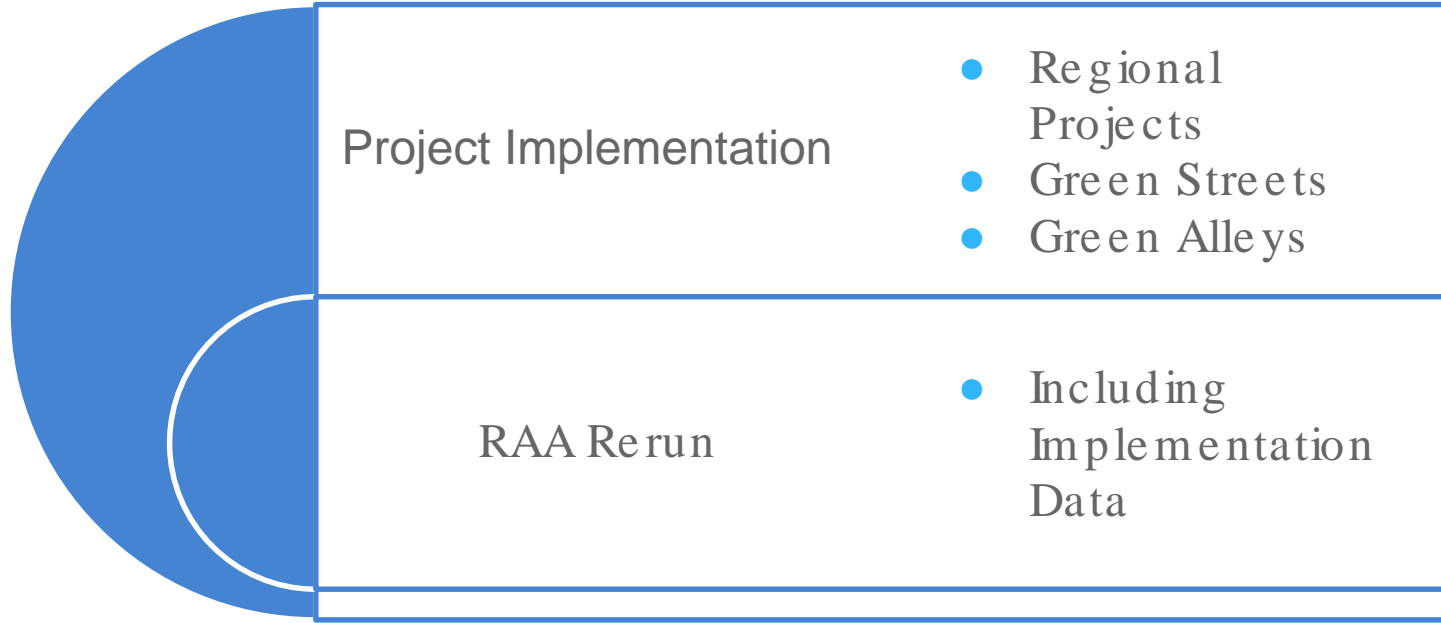


Coastline Drive Green Street

- **Status:** Completed
- **Cost:** \$100,000
- **Volume :** .01 acre-feet
- **Treatment:** Tree Wells
- **End Use:** Drought Tolerant Landscaping



Future Implementation

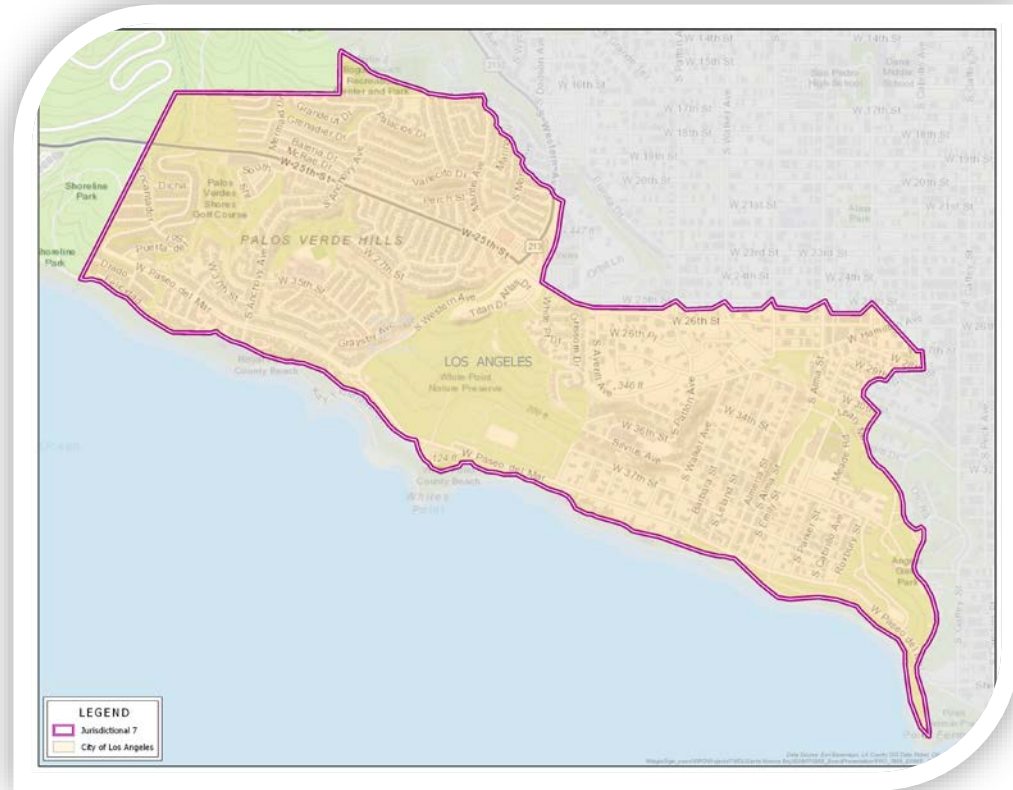




Santa Monica Bay JG7

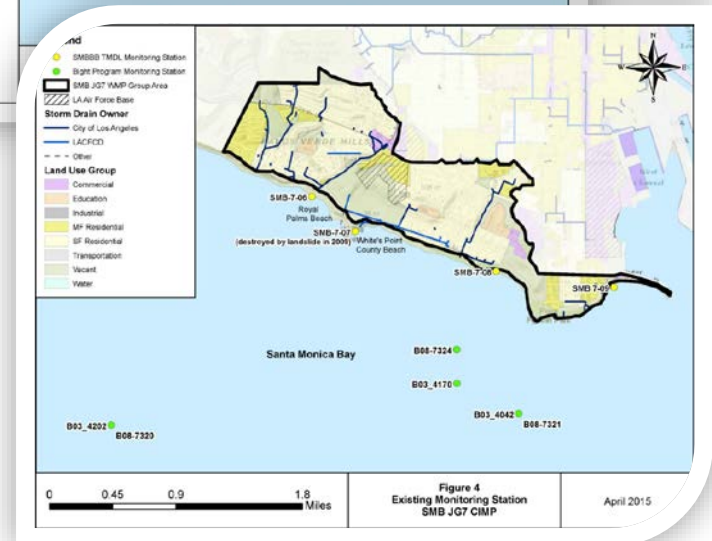
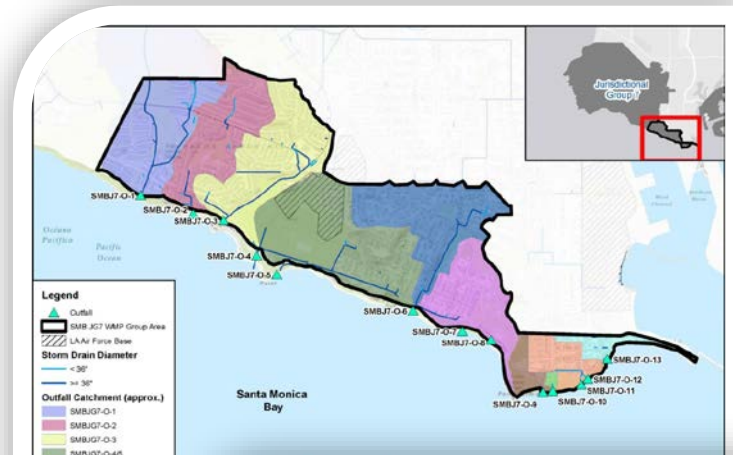
Watershed Overview

- City of Los Angeles & Los Angeles County Flood Control District
- ~1,056 acres
- Anti- Degradation WMP
- TMDLS: Bacteria, Debris, & DDTs & PCBs



Watershed Monitoring Jurisdiction 7

- 6 non-stormwater outfalls screened across 3 seasonally varied events
 - No discharge discovered
- Weekly shoreline bacteria TMDL sampling at 3 locations
- 2 RW sites



Thanks!

Any questions?

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