

# BEACH CITIES WMG ENHANCED WATERSHED MANAGEMENT PLAN RESPONSE TO COMMENTS

MARCH 3, 2016



# Water Body Pollutant Combinations

- Added interim and final WQBEL/RWLs for all Category 1, 2, and 3 pollutants
- Added Water Body-Pollutant Combinations (WBPCs) for Dominguez Channel and Dominguez Channel Estuary for consistency with the Dominguez Channel Watershed Management Group EWMP
- Compliance milestones added where requested

# Machado Lake Watershed

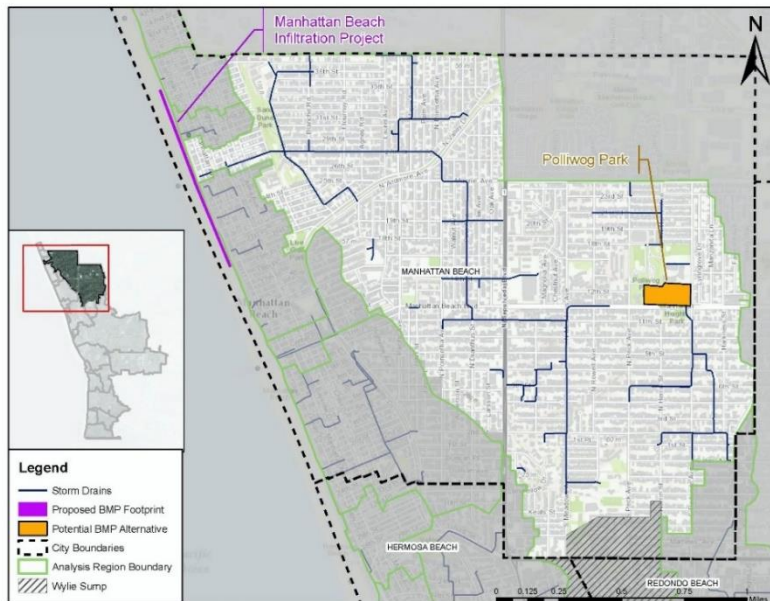
- The Machado Lake Watershed was removed from the Beach Cities EWMP.
  - The City of Torrance has submitted a separate Machado Lake EWMP
- Clarified that the City of Redondo Beach, which accounts for 0.0018 percent of the Machado Lake Watershed, is addressing runoff within it's area by implementing the MCMs.
- Removed Appendices C, D, E, and F of the Draft EWMP, all of which related to Machado Lake Watershed.



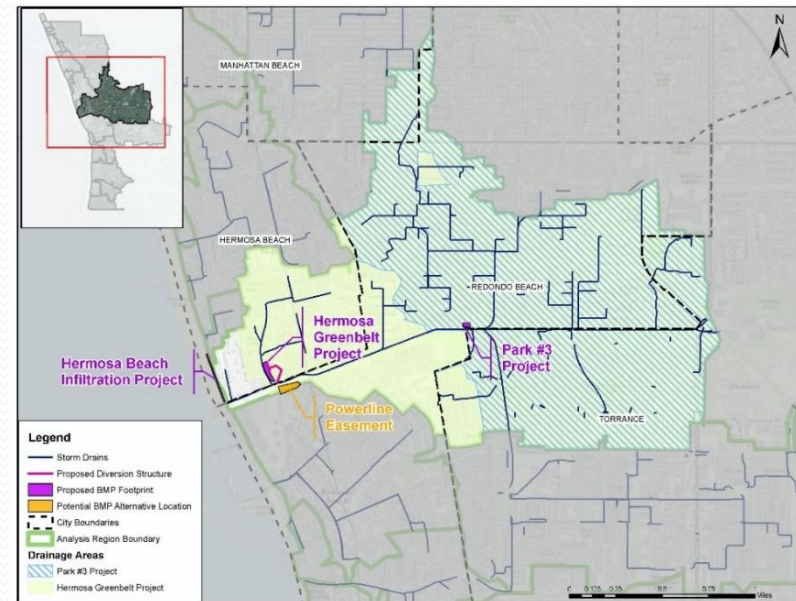
# Structural BMPs Proposed

## Santa Monica Bay

SMB 5-02



SMB 6-01

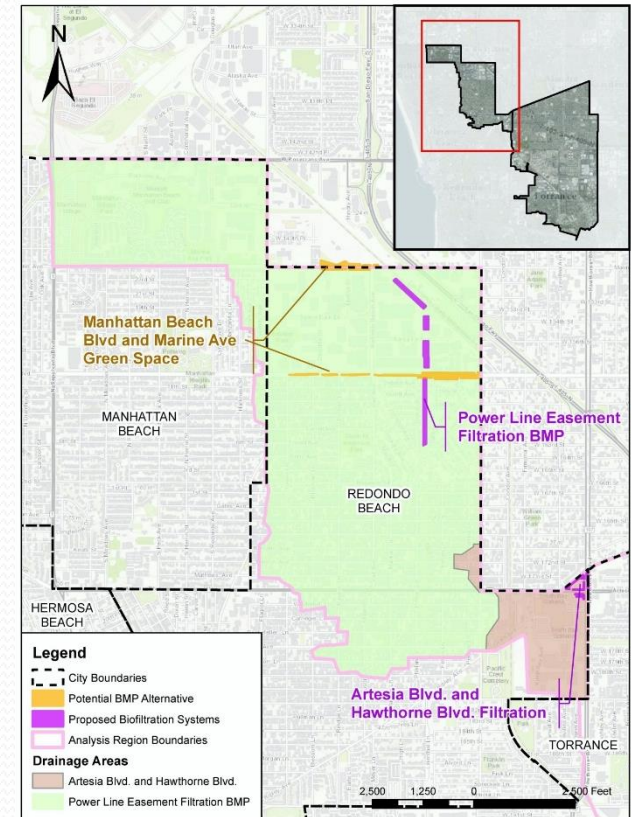


- March 2020: 100% trash load reduction met through **catch basin trash screens**
- July 2021: Wet weather bacteria TMDL compliance deadline
  - Proposed regional BMPs complete by deadline
    - **SMB 5-02: MB Infiltration Project**
    - **SMB 6-01: HB Infiltration Project, Hermosa Greenbelt Project, Park #3 Project**
  - Proposed **distributed green street BMPs**, public retrofit incentives, and redevelopment complete in SMB watershed

# Structural BMPs Proposed

## Dominguez Channel

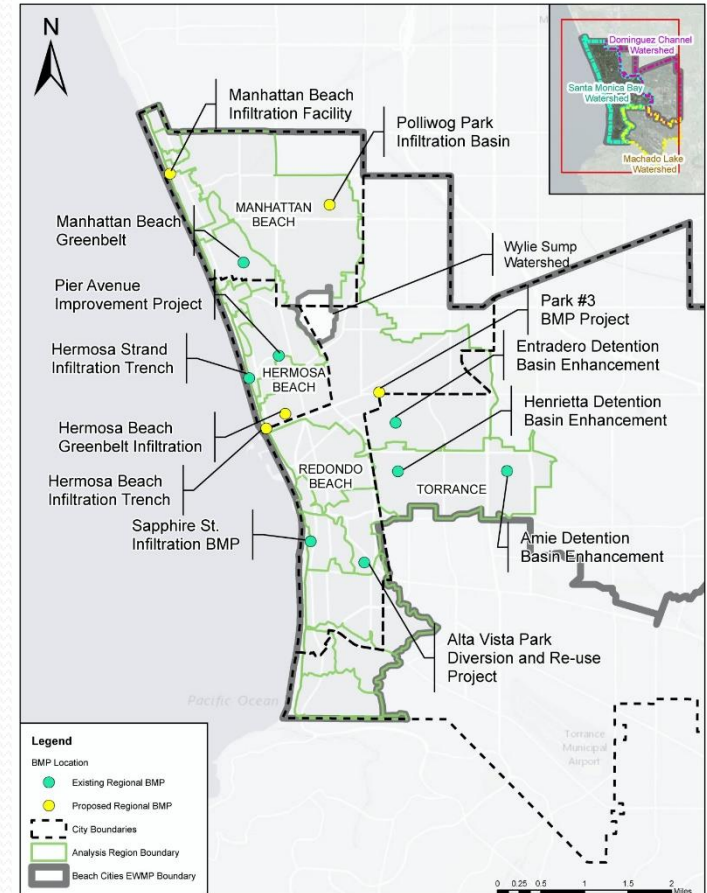
- December 2025: Dry weather bacteria TMDL compliance deadline
  - Proposed regional BMPs complete by deadline\*:
    - **Powerline Easement and Manhattan Beach Blvd. Filtration**
    - **Artesia Blvd. and Hawthorne Blvd. Filtration**
- March 2032: DC Toxics TMDL compliance deadline
  - Metals, wet weather bacteria, and Category 3 pollutants
    - **Torrance catch basin filter inserts**
    - **Green street BMPs** and redevelopment in Redondo Beach and Manhattan Beach



\*Project completion may be pushed back to March 2032 if dry weather bacteria TMDL compliance is met through other means

# Structural BMPs Completed

- County of Los Angeles
  - **Low Flow Diversion Pump Stations**
- City of Hermosa Beach
  - **Pier Avenue Improvement Project**
  - **Hermosa Strand Infiltration Trench**
- City of Manhattan Beach
  - **Porous concrete paving project**
  - **Greenbelt Infiltration Project**
- City of Redondo Beach
  - **Catch basin trash screens in the Esplanade Street Resurfacing Project**
  - **Alta Vista Park Stormwater Diversion and Re-use Project**
  - **Sapphire Street Stormdrain Diversion and Infiltration Project**
- City of Torrance
  - **Bioswales for City Yard**
  - **CDS units at Torrance Beach**
  - **Stormwater Basin Enhancement Project (Entradero, Henrietta, Amie)**



# MCM Enhancements

## Enhancement Examples:

Permit Section	MCM	Beach Cities MCM Enhancement
D.6 Industrial/ Commercial	Inspect Commercial Sources	Restaurants in Beach Cities WMG inspected annually, instead of twice during 5-years, against a 34-point stormwater inspection checklist (Clean Bay Restaurant Certifications)
D.7 Planning and Land Development	Update ordinance/ design standards to conform with new requirements (LID and Hydromod)	Hermosa and Torrance LID ordinance requires <u>all</u> new development projects to implement LID, with no minimum size threshold, whereas the Permit has size thresholds
D.9 Public Agency Activities	Street sweeping - Priority A: 2x/mo; B: 1x/mo; C: as needed, not less than 1x/yr	Streets are swept weekly and posted with no parking signs on street sweeping days. This exceeds MCM-required frequency for all areas in each City



# Financial Section Updates

- Total City Budget Expenditures and Estimated Budgets for watershed management programs

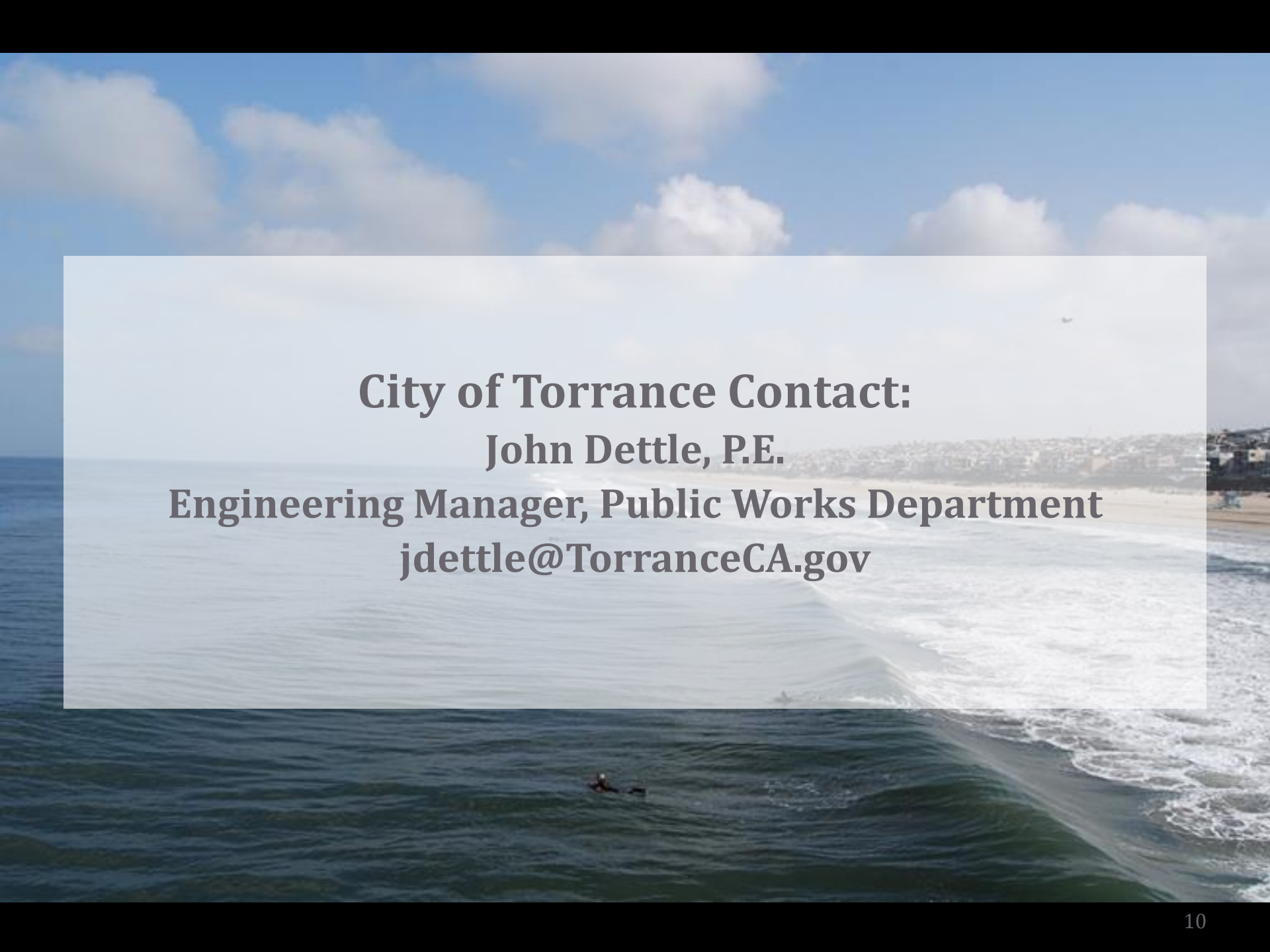
	Expenditures in FY14-15	Budget in FY 15-16
City of Manhattan Beach	\$4,131,489	\$4,679,710
City of Redondo Beach	\$2,275,900	\$2,275,900
City of Hermosa Beach	\$1,732,797	\$984,770
City of Torrance	\$13,000,910	\$15,290,000

- Prop 1 Coastal Conservancy Grant for design of **Manhattan Beach Infiltration Trench Project** and the **Hermosa Beach Greenbelt Infiltration Project**
- **\$1.5 million for 3 years of Stormwater Monitoring (CIMP)**
- Torrance **Optimized Street Sweeping Project** (No Parking Signs and catch basin screens) Budget = \$880,000



# Reasonable Assurance Analysis

- Model result tables updated to reflect baseline runoff volume, concentration, and load for 90th percentile critical condition
- Detailed daily results for all modeled BMP conditions have been provided in terms of volume, concentration, and load for BMP influent and effluent.
- An example illustrating RAA results of a modeled subwatershed has been provided in Attachment K



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