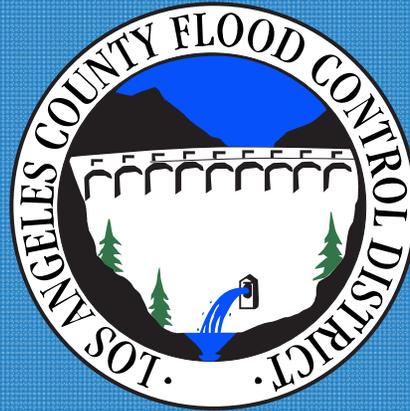


Enhanced Watershed Management Programs

Program Environmental Impact Report Public Meeting

Los Angeles County Flood Control District



Welcome and Introductions

- Los Angeles County Flood Control District (LACFCD)
 - Gregg BeGell, P.E., Project Manager
- Weston Solutions, Inc.
 - Andrea Crumpacker
- Environmental Science Associates
 - Environmental Consultant: ESA
 - Tom Barnes, Project Director

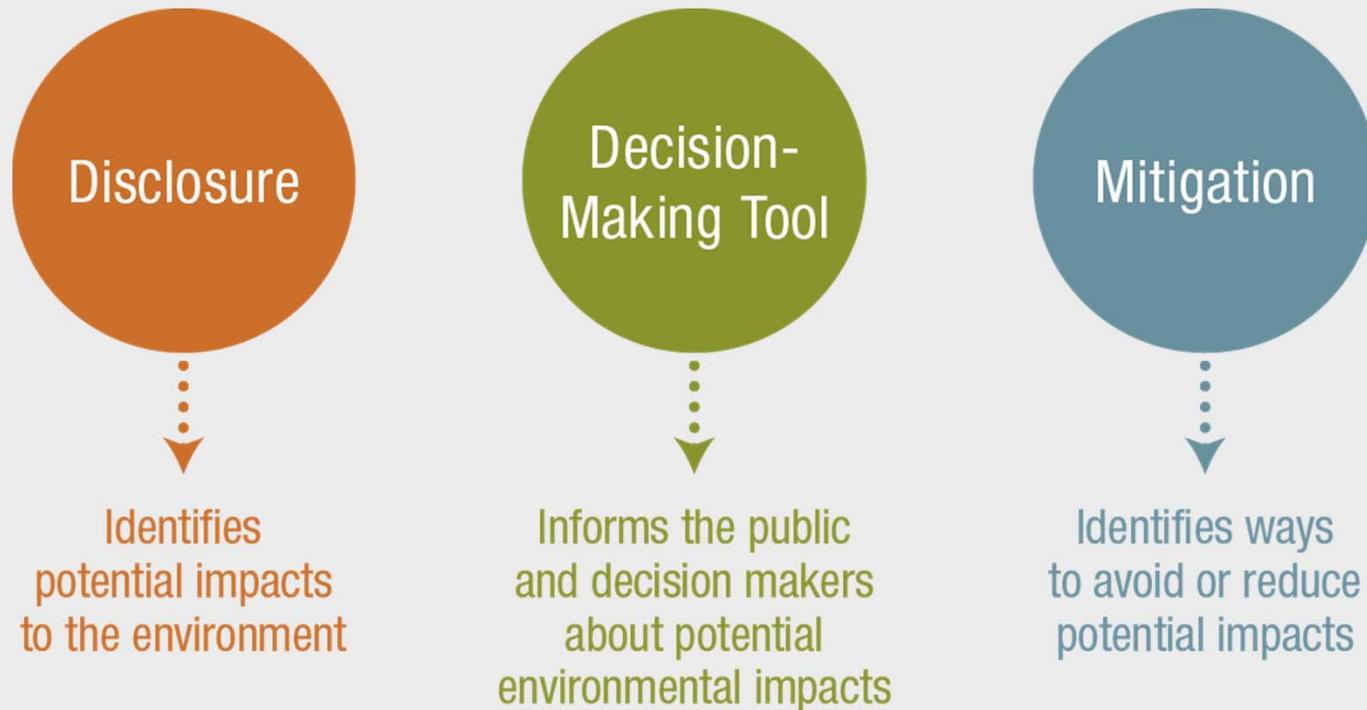


Agenda

- Overview and Definitions
- Enhanced Watershed Management Program (EWMP)
- Priority Projects
- Issues Analyzed in the Program EIR
- Summary of Mitigation Measures
- CEQA Schedule
- Receive Public Comments



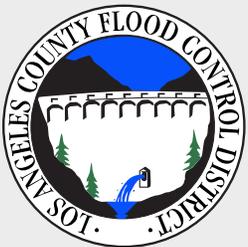
What is the California Environmental Quality Act (CEQA), Enacted in 1970



- *This public meeting is part of public review period for this Program EIR*

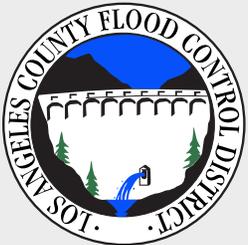
What is an Enhanced Watershed Management Program (EWMP)?

- A planning document prepared in collaboration with a number of permittees that addresses the group's stormwater issues.
- Identifies Watershed Control Measures
 - Structural Best Management Practices (BMPs)
 - Non-Structural BMPs
- A Reasonable Assurance Analysis
- Ranks Priority Projects
- Implementation by each participating Permittee

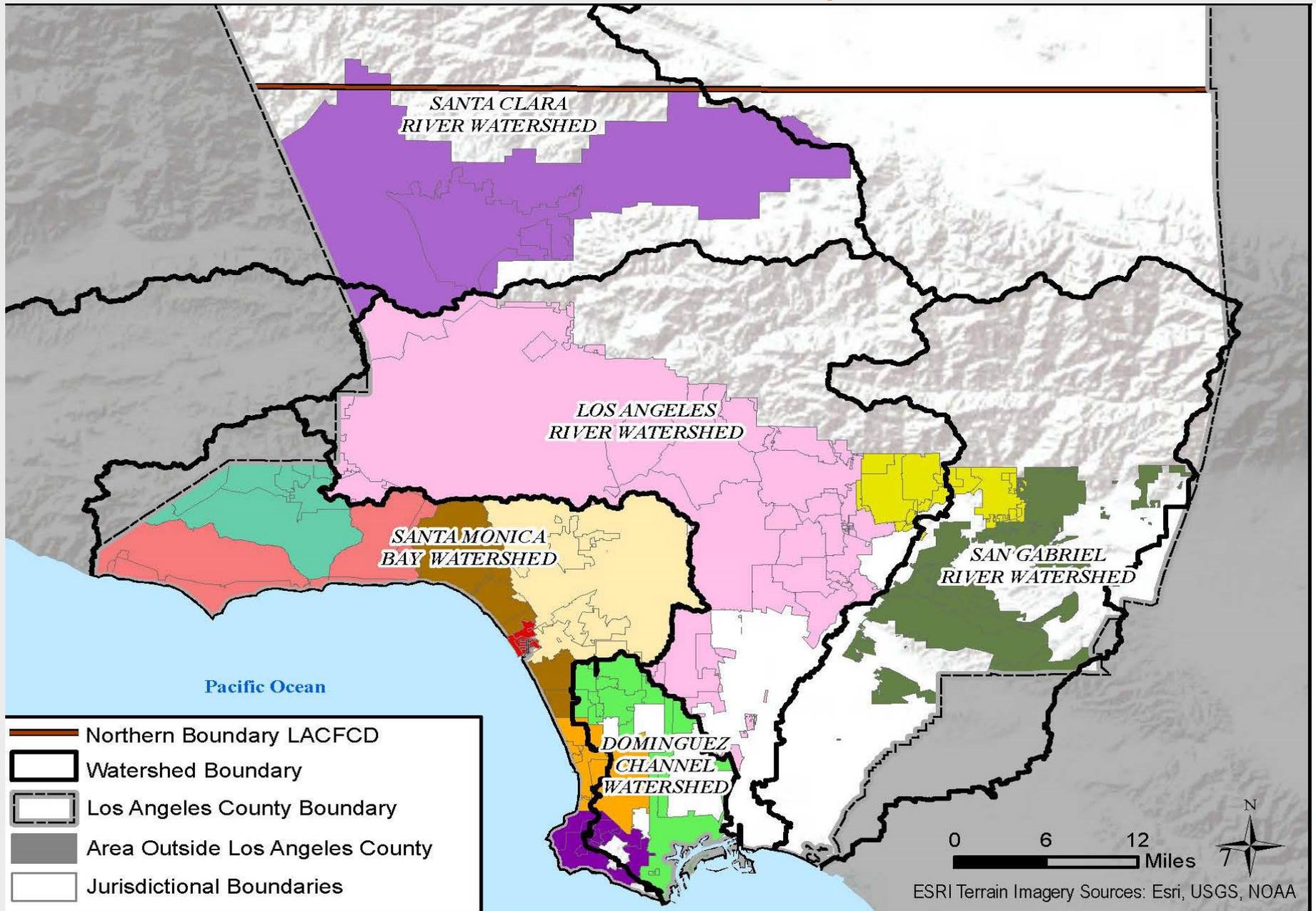


What is an MS4 Permit?

- Municipal Separate Storm Sewer System (MS4)
- MS4s are subject to a discharge permit issued by the LA Regional Water Quality Control Board to restore and preserve beneficial uses of creeks, river and ocean
- Each Permittee is responsible for its local MS4 compliance
- Permit compliance through EWMPs
 - 12 NOIs submitted to LARWQCB
 - Corresponding EWMPs to be collectively prepared by Permittees and submitted in June 2015.

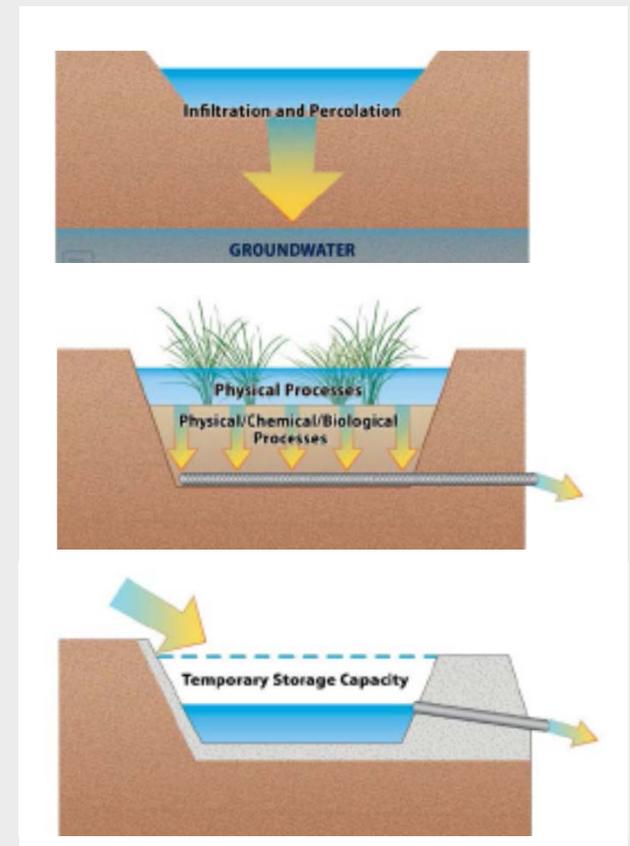


12 EWMP Groups



Watershed Control Measures

- Structural BMPs or Physical Control Measures
 - Infiltration
 - Water quality treatment
 - Storage
- Categories of Structural BMPs
 - Regional
 - Centralized
 - Distributed
- Non-Structural BMPs



Regional EWMP Projects

- Retain all runoff from the 85th percentile, 24-hour storm event (approximately one inch a day) for tributary drainage area
 - Infiltration BMPs
 - Retention basins
 - Capture and Use BMPs



Surface Infiltration Basin



Subsurface Infiltration Gallery



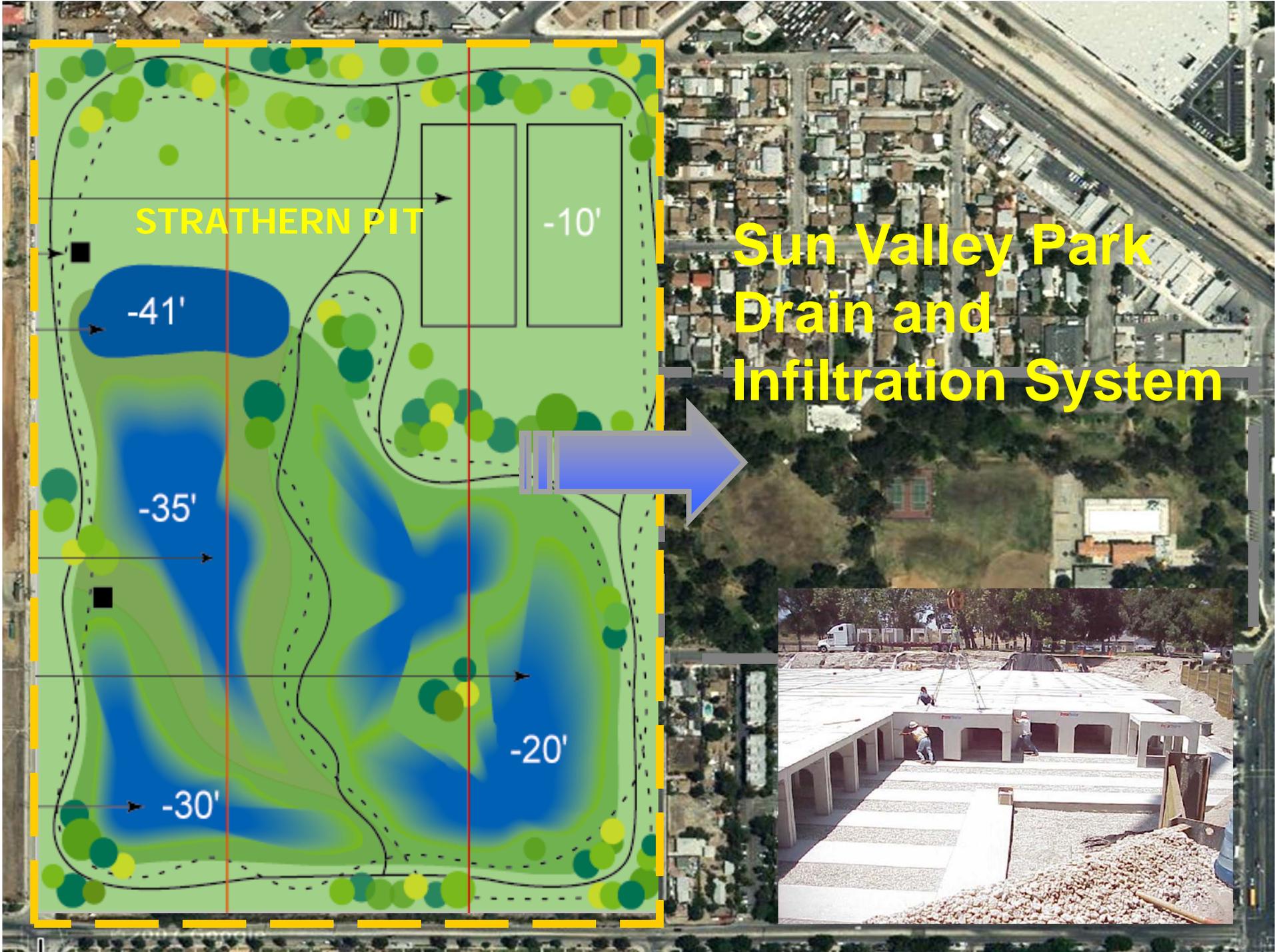
Regional EWMP Projects

Torrance Stormwater
Basin Recharge and
Enhancement Project,
Beach Cities



Malibu Legacy Park
Pump Station
Improvements, North
Santa Monica Bay
Coastal Watersheds
(Planned)





Sun Valley Park Drain and Infiltration System

Centralized Structural BMPs

- Constructed structural practices intended to treat runoff from a contributing area of multiple parcels

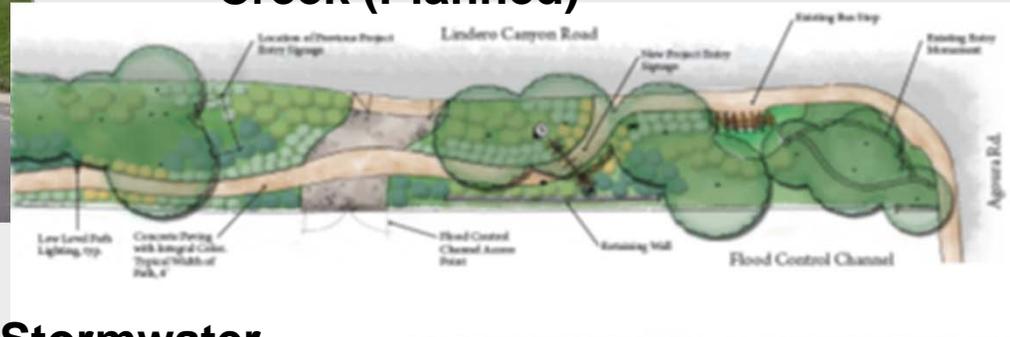


Dominguez Gap Treatment
Wetland Project

Centralized Structural BMPs



Lindero Parkway Improvement, Malibu Creek (Planned)



Mar Vista Recreation Center Stormwater BMP, Ballona Creek



Manhattan Beach Greenbelt Infiltration System, Beach Cities



Centralized Structural BMPs

Penmar Water Quality Improvement Project, Santa Monica Bay Coastal Watersheds (Planned)



Humboldt Greenway Project, Upper LA River (Planned)

Monrovia Station Square/Transit Village Benefit Park and Greenway Project, Rio Hondo San Gabriel River (Planned)



Distributed Structural BMPs

- Constructed BMPs that treat runoff close to the source and typically implemented at a single- or few-parcel level



Brandon Street and Green Street Improvement Project, Upper LA River



Avocado Heights Multi-Use Trail Project, Upper San Gabriel River



Distributed Structural BMP



**Model Equestrian Center,
Palos Verdes Peninsula
(Planned)**

**Wildlife Road Storm Drain
Improvement, North Santa
Monica Bay**



**Phase IV Trash TMDL
Implementation – Catch
Basin Screens,
Dominguez Channel**



**City-wide Smart Irrigation
Controller System, Malibu
Creek**

Non-Structural BMPs

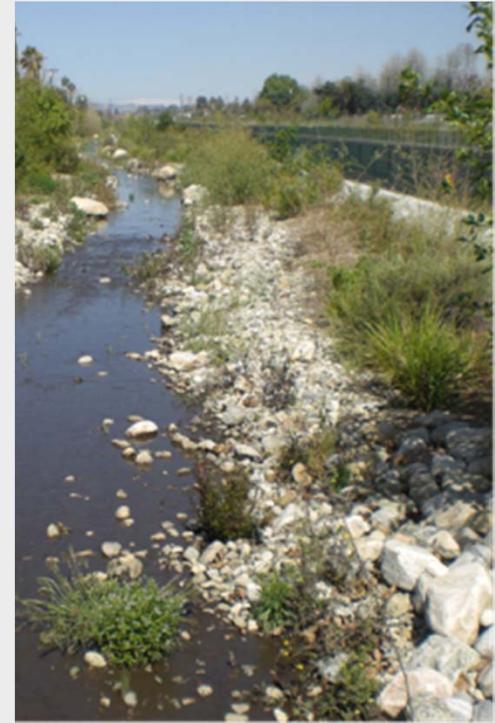


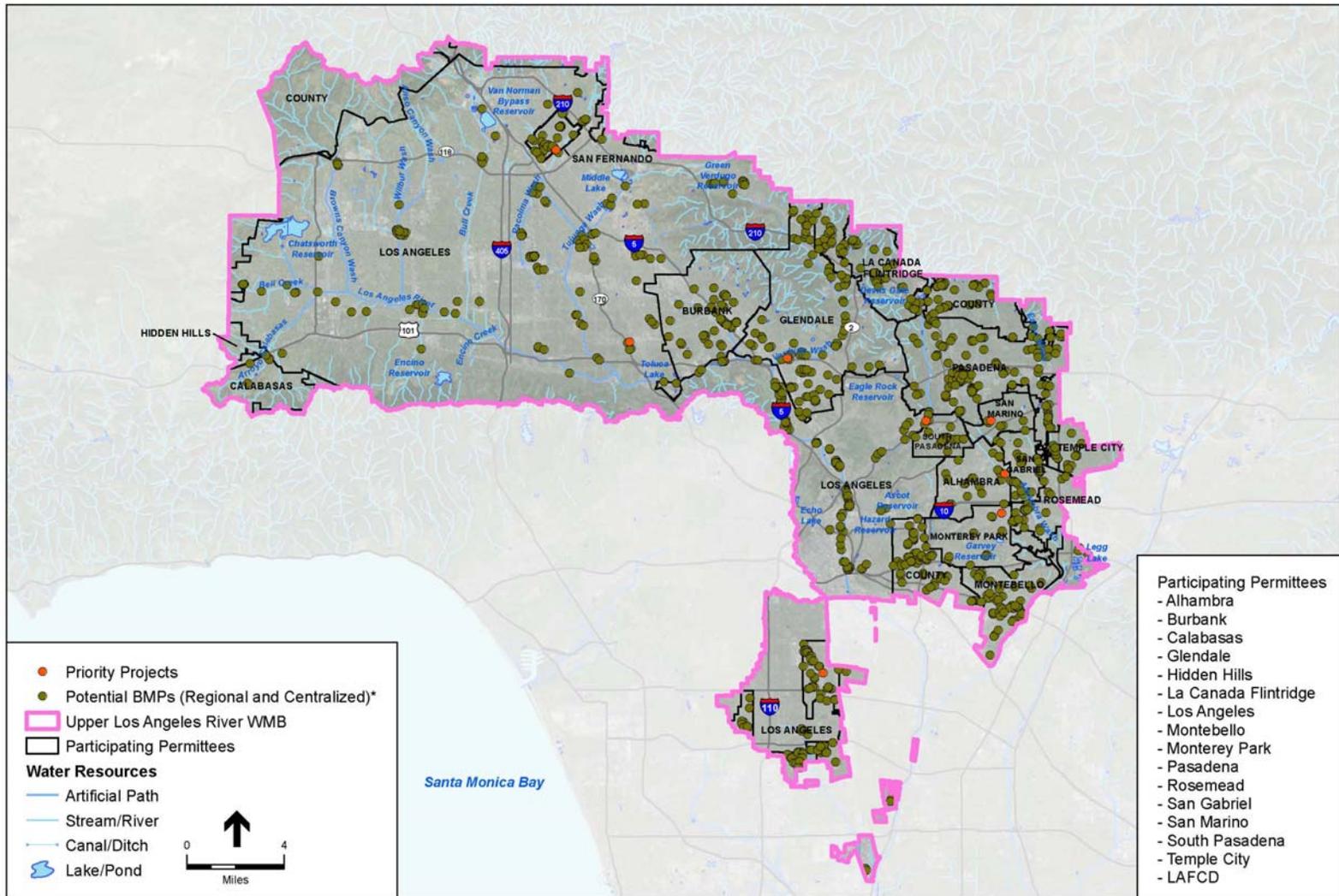
- Prevent and/or reduce runoff and/or pollution close to the source
- Nonstructural BMPs part of overall EWMP implementation program – Examples:
 - Irrigation control
 - Covered trash receptacles
 - Replace undesirable metals used in brake pads and lead in wheel weights
 - Pet waste cleanup stations
 - Street sweeping
 - Catch basin cleaning
 - Downspout disconnect program



Priority Projects

- The priority projects or BMPs are a subset of the potential BMPs
- Undergone a site review and project evaluation that has identified these BMPs as a priority
- Priority projects are presented in the Program EIR based upon available data at the time of publication





* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474
Figure 2-14
 Upper Los Angeles River
 Watershed Management Group

What is a Program EIR?

- Type of Environmental Impact Report (EIR) allowed under CEQA (§15168)
- Used to evaluate a plan or program with multiple components or actions
- Actions are related by:
 - Geography
 - Application of regulations
 - Logical parts of a long term plan
- *This Program EIR is for the Enhanced Watershed Management Program*



What is the Role of the Flood Control District?

- The LACFCD is the lead agency preparing the Program EIR for the 12 EWMPs
- Provides for a comprehensive view of the EWMP implementation by multiple entities over a diverse geographic area
- The County Board of Supervisors will certify the Program EIR



What is the Role of Each Permittee?

- Each Permittee:
 - may choose to adopt the Program EIR at its own discretion
 - is responsible for implementation of individual proposed projects
 - will provide project-level CEQA compliance for individual projects proposed in their jurisdiction



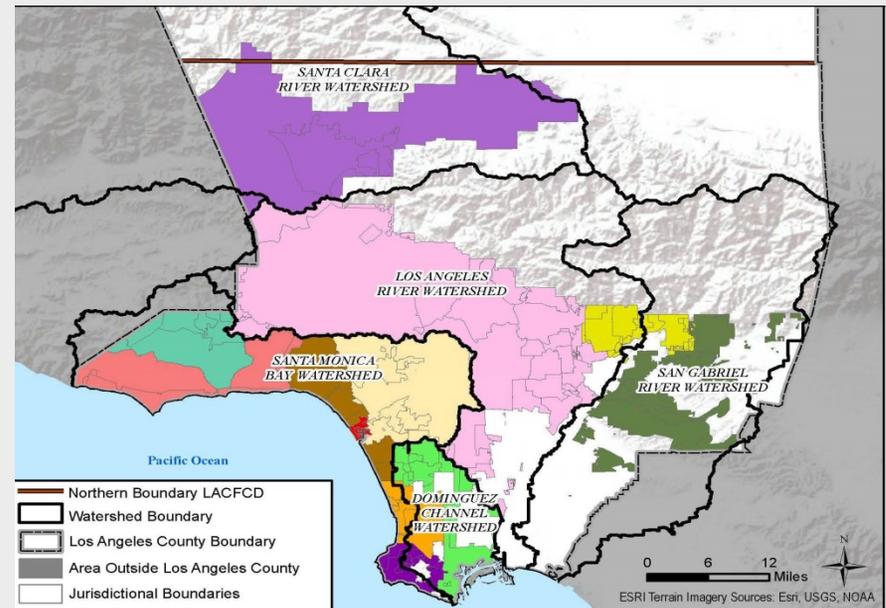
Issues Analyzed in the Program EIR

- Aesthetics
- Air Quality
- Agriculture and Forestry
- Biological Resources
- Cultural Resources
- Geology, Soils & Seismicity
- Greenhouse Gas Emissions
- Hazards & Hazardous Materials
- Mandatory Findings of Significance
- Hydrology & Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population & Housing
- Public Services
- Recreation
- Traffic & Transportation
- Utilities & Energy
- Alternatives
- Cumulative Projects



Summary of Key Impacts

- Local construction impacts
 - Air, noise, traffic, biological resources, cultural resources
- Local visual character
- Shallow infiltration migration
- Groundwater quality
- Downstream beneficial uses

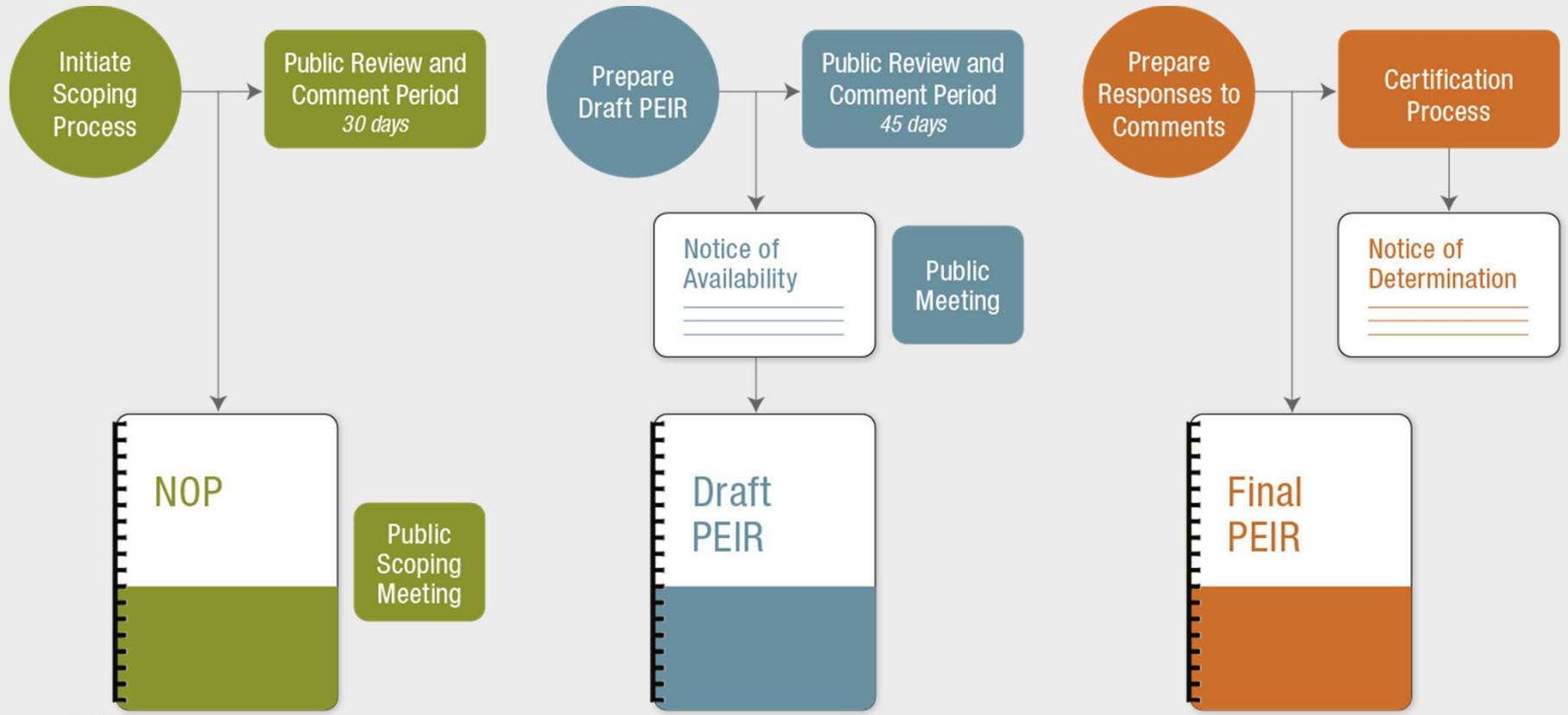


Summary of Mitigation Measure Types

- Measures encouraging early evaluation of site suitability
- Measures avoiding or minimizing construction effects
- Measures requiring facility designs to avoid impacts
- Measures requiring facility maintenance



CEQA Process for an EIR



Program EIR Schedule Estimate

| 2015 | Deliverable/Milestone |
|------------------------|--|
| January 21 | <ul style="list-style-type: none">• Draft Program EIR made available for public comment |
| January 21- March 9 | <ul style="list-style-type: none">• 45-Day public review period for Program EIR• Public review meetings |
| March | <ul style="list-style-type: none">• Response to Comments• Final Program EIR preparation |
| April | <ul style="list-style-type: none">• Submission to Board of Supervisors for consideration of certification of Program EIR |



Draft Program EIR Comments

- Project information can be downloaded from www.LACoH2Osheds.com
- Comment period closes **March 9, 2015** by 5:00 PM
- Submit Comments
 - At Public Meeting, on website, mail or email to:

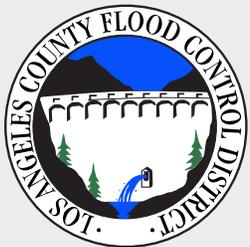
www.LACoH2Osheds.com

Gregg BeGell, P.E.
County of Los Angeles Department of Public Works
900 South Fremont Avenue, 5th Floor
Alhambra, CA 91803

gbegell@dpw.lacounty.gov



Back-up Slides

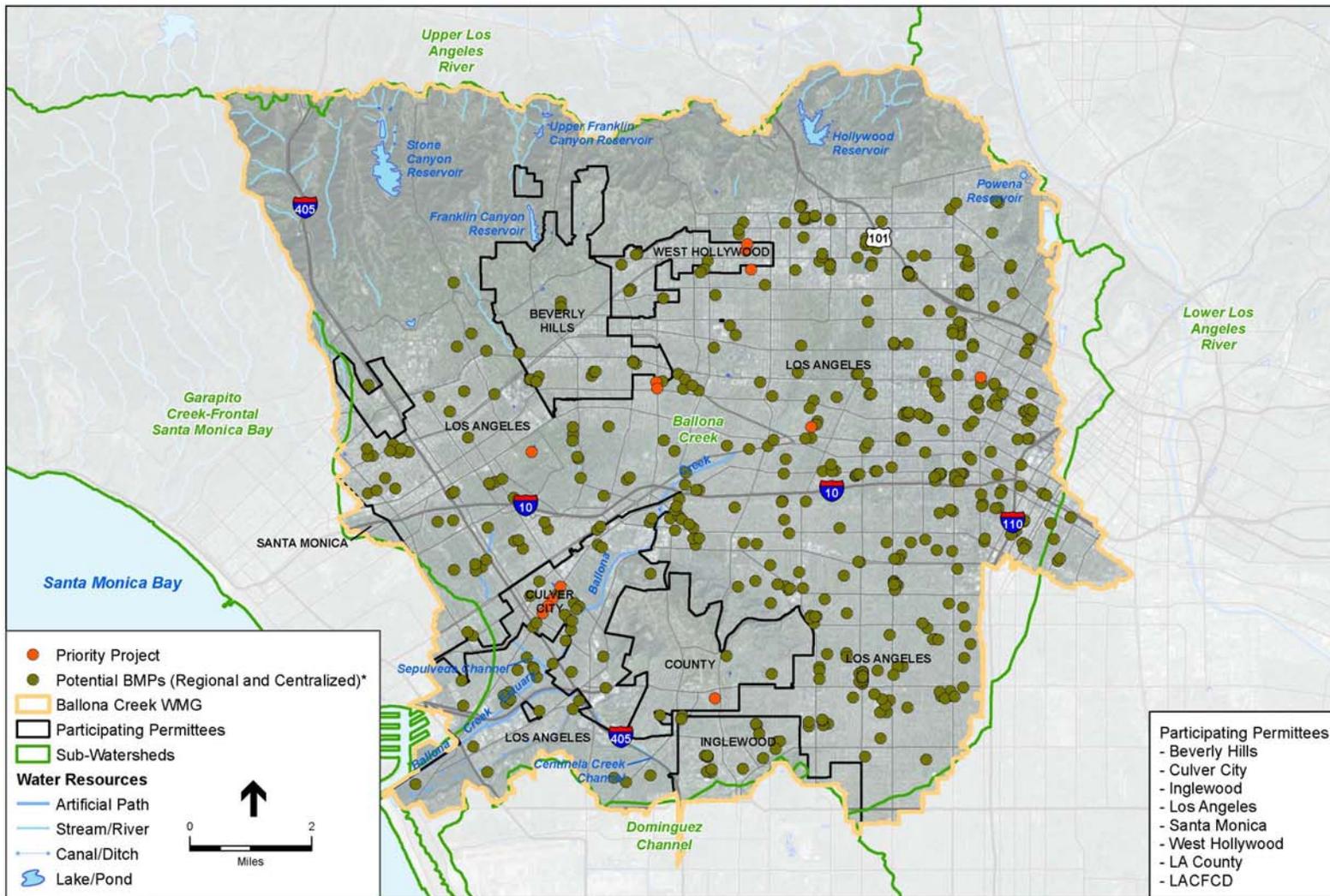




SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474

Figure 2-5
Marina del Rey
Watershed Management Group

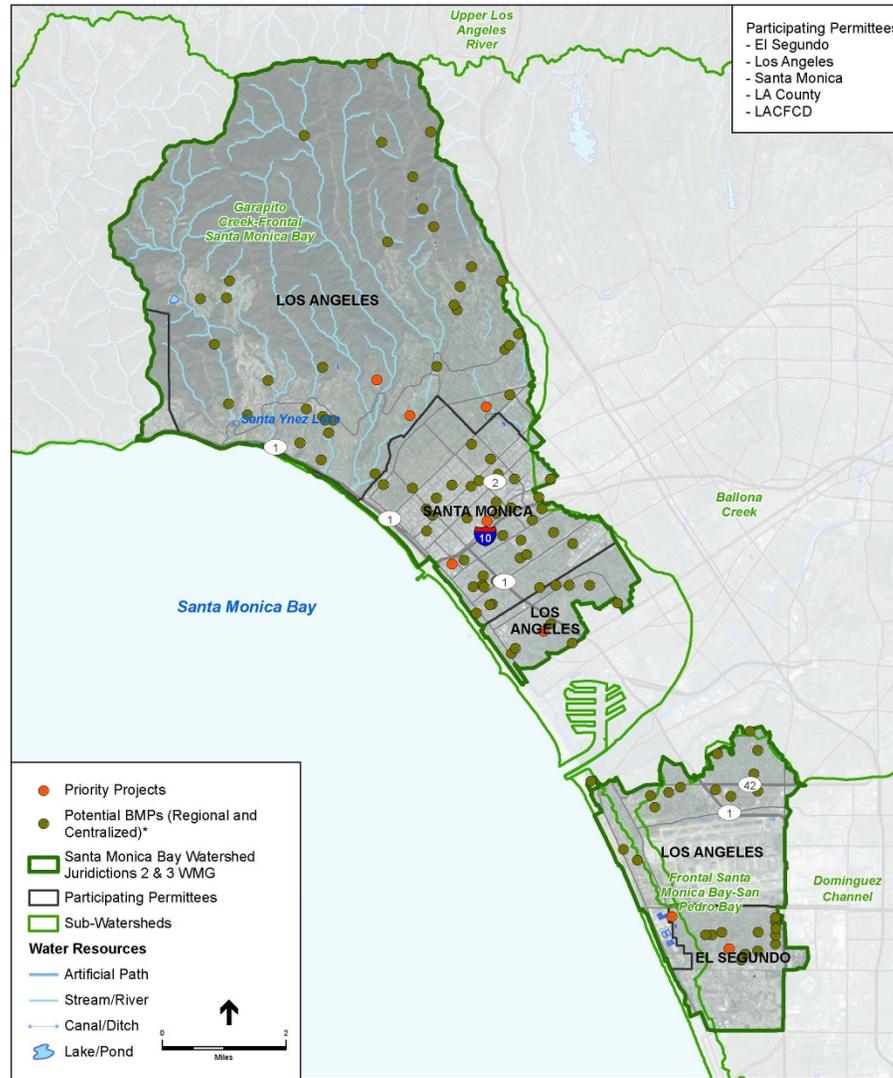


* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474

Figure 2-6
Ballona Creek
Watershed Management Group



* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474

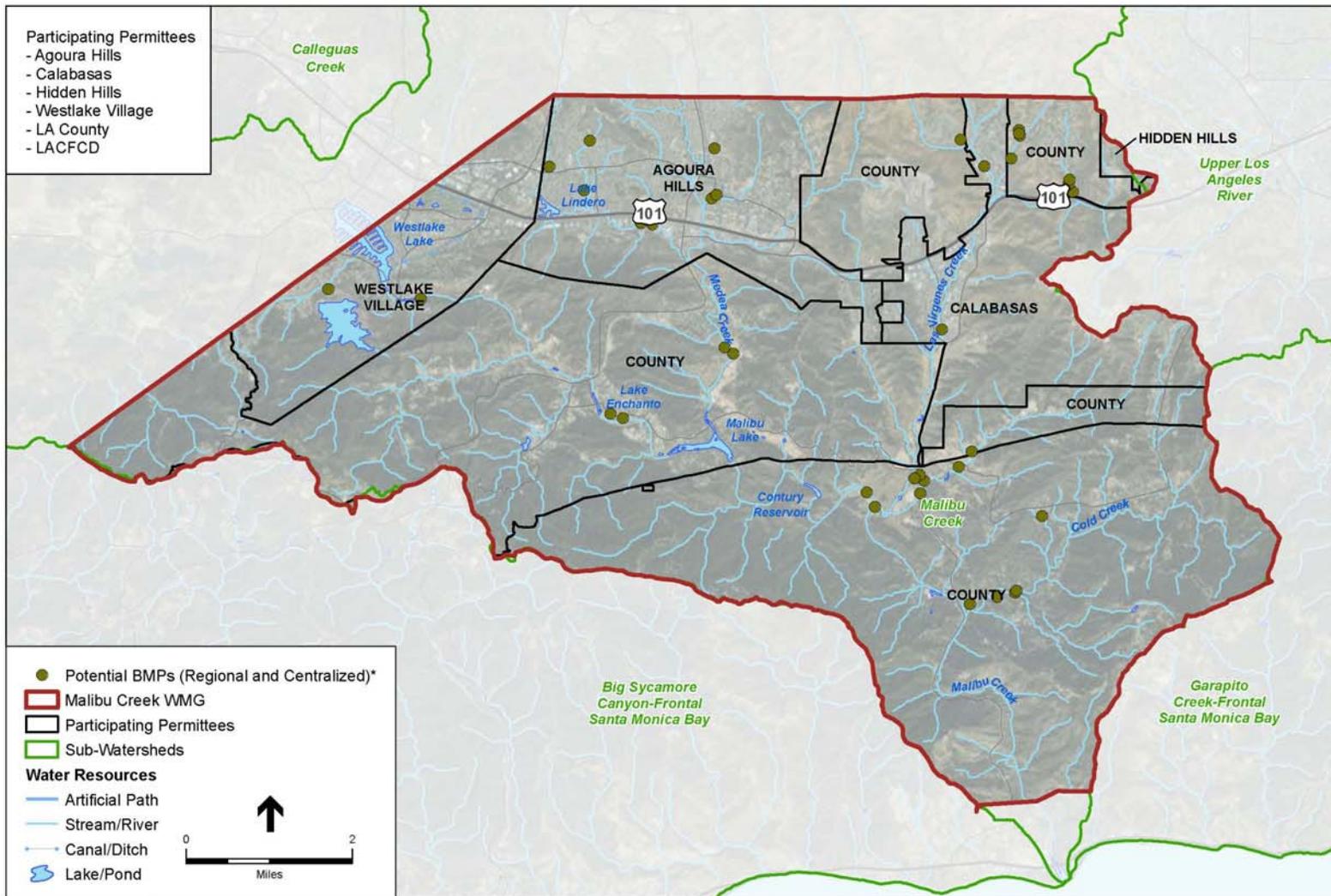
Figure 2-8
 Santa Monica Bay Watershed Jurisdictions 2 and 3
 Watershed Management Groups



* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

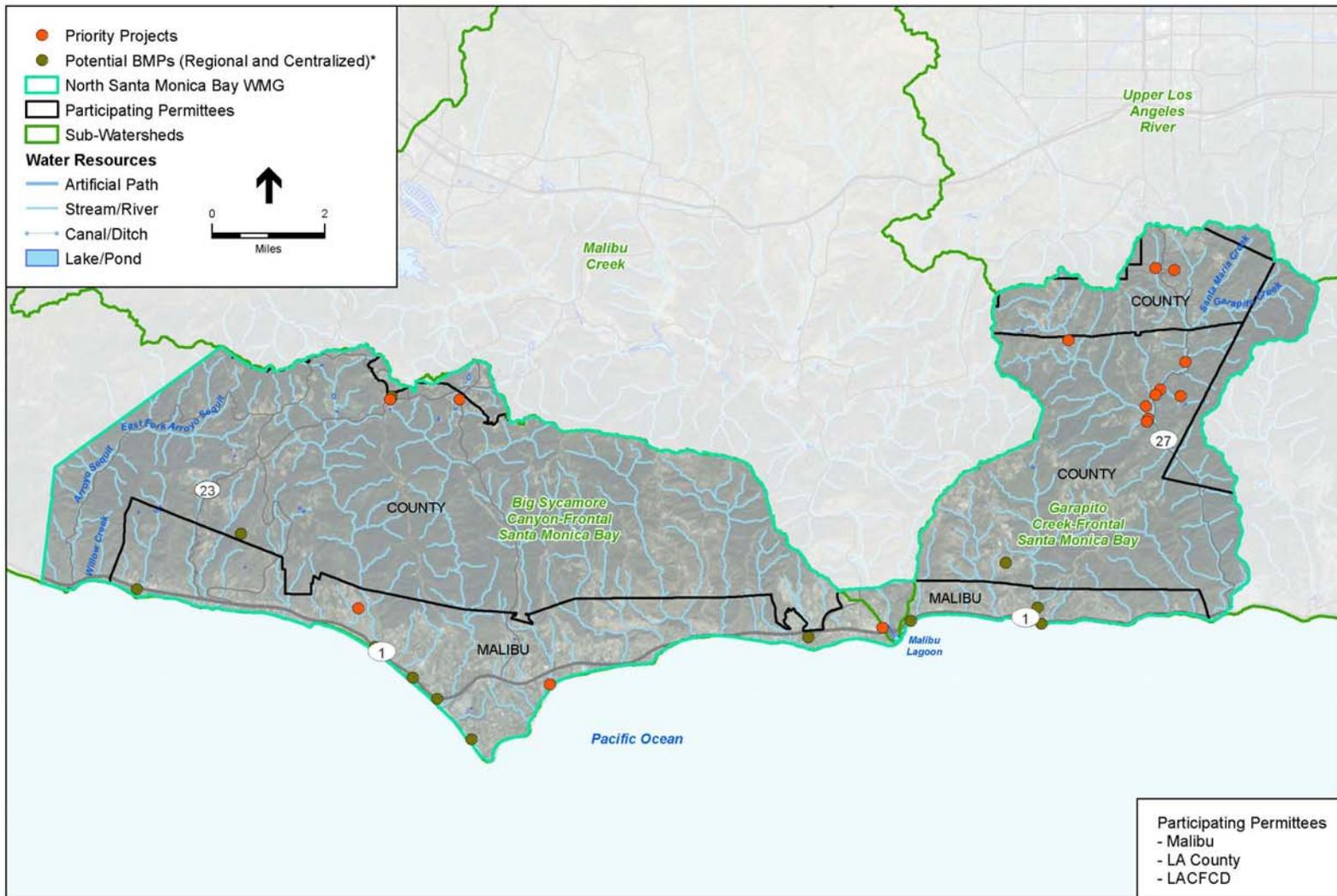
LA County PEIR EWMP . 140474
Figure 2-9
 Palos Verdes Peninsula
 Watershed Management Group



* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474
Figure 2-10
 Malibu Creek
 Watershed Management Group

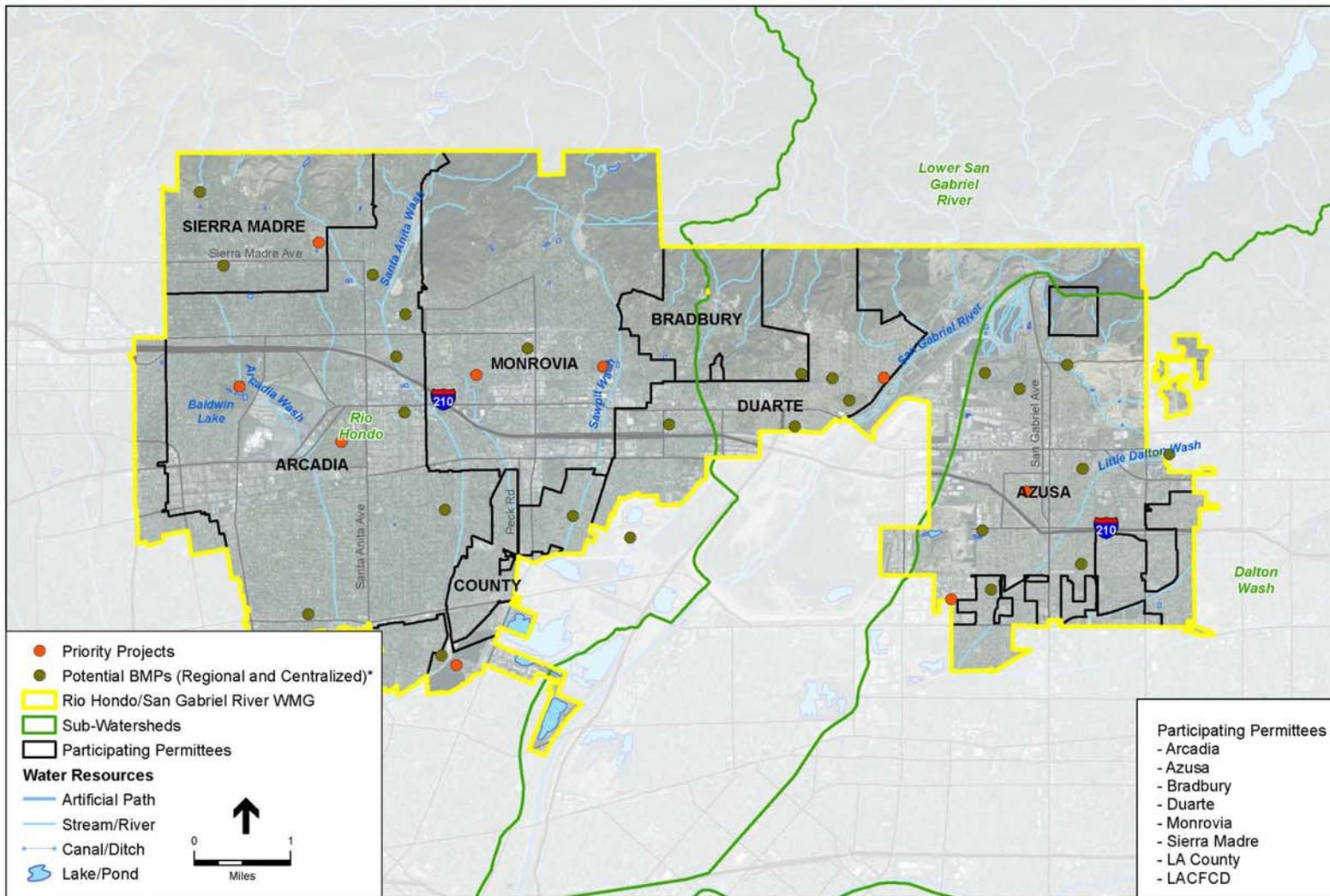


* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474

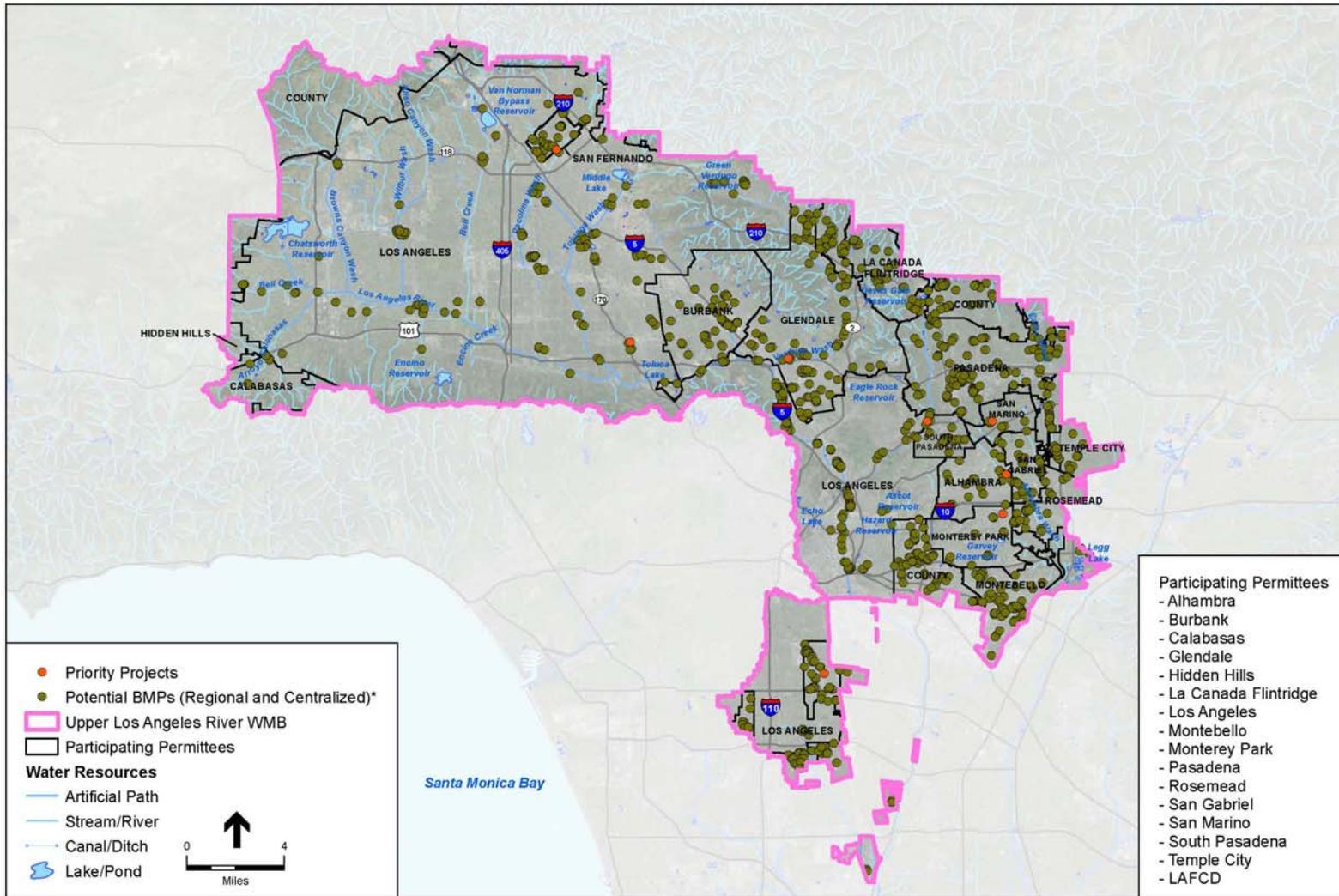
Figure 2-11
North Santa Monica Bay Coastal Watersheds



* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

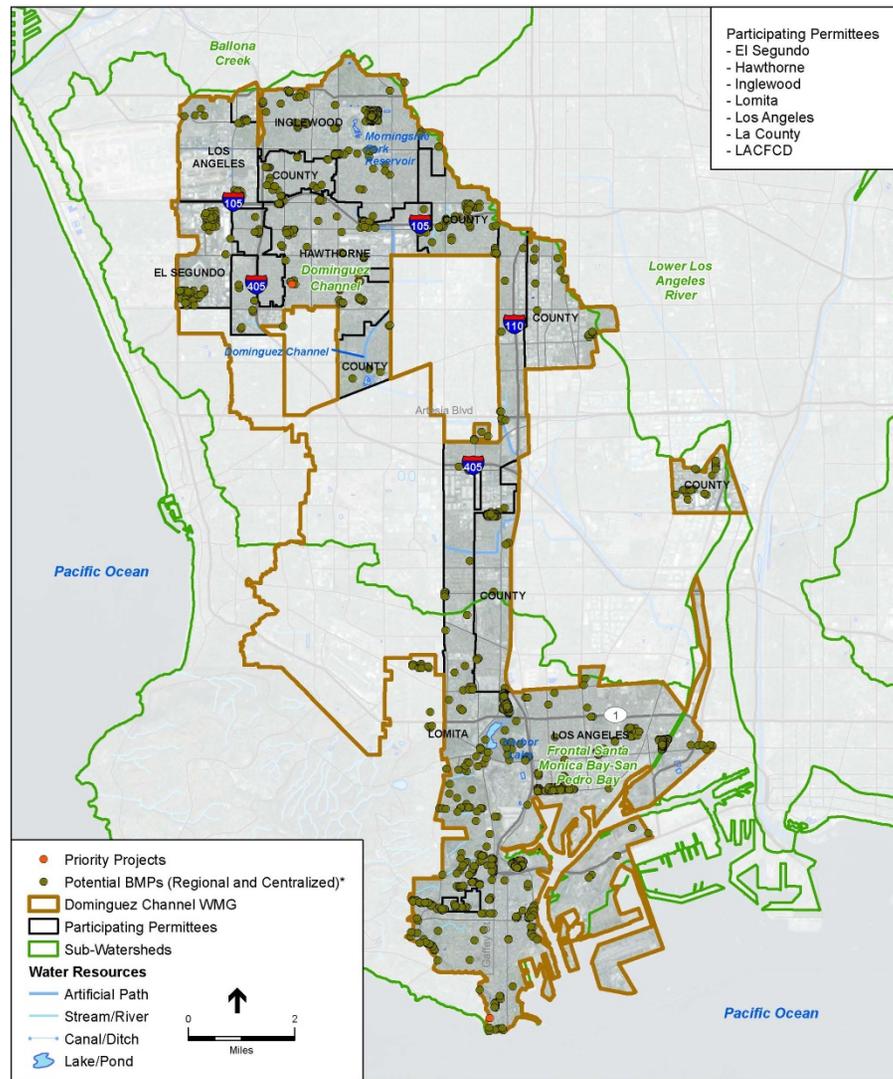
LA County PEIR EWMP . 140474
Figure 2-13
 Rio Hondo / San Gabriel River
 Watershed Management Group



* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474
Figure 2-14
 Upper Los Angeles River
 Watershed Management Group

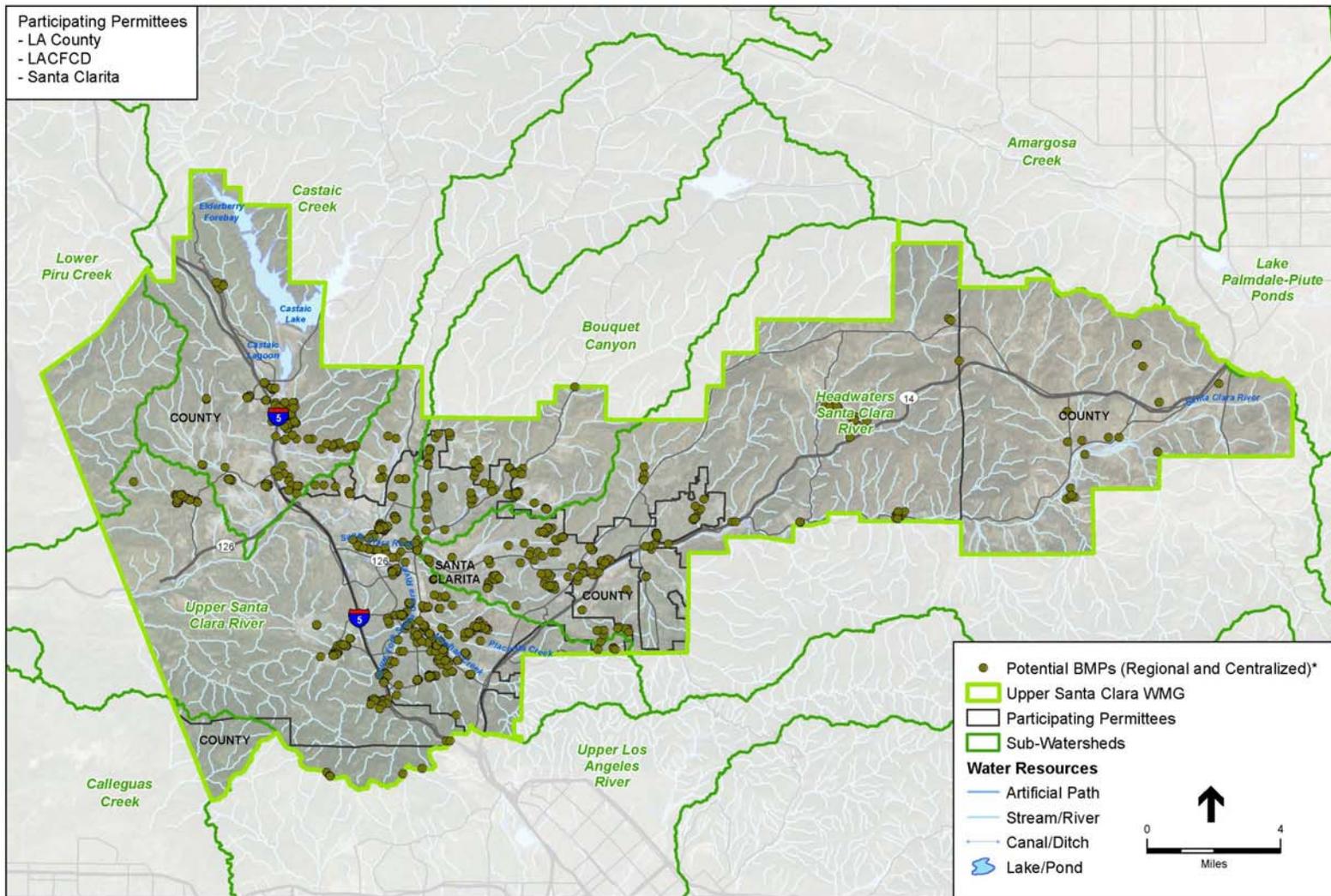


* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474

Figure 2-15
Dominguez Channel Watershed Management Group



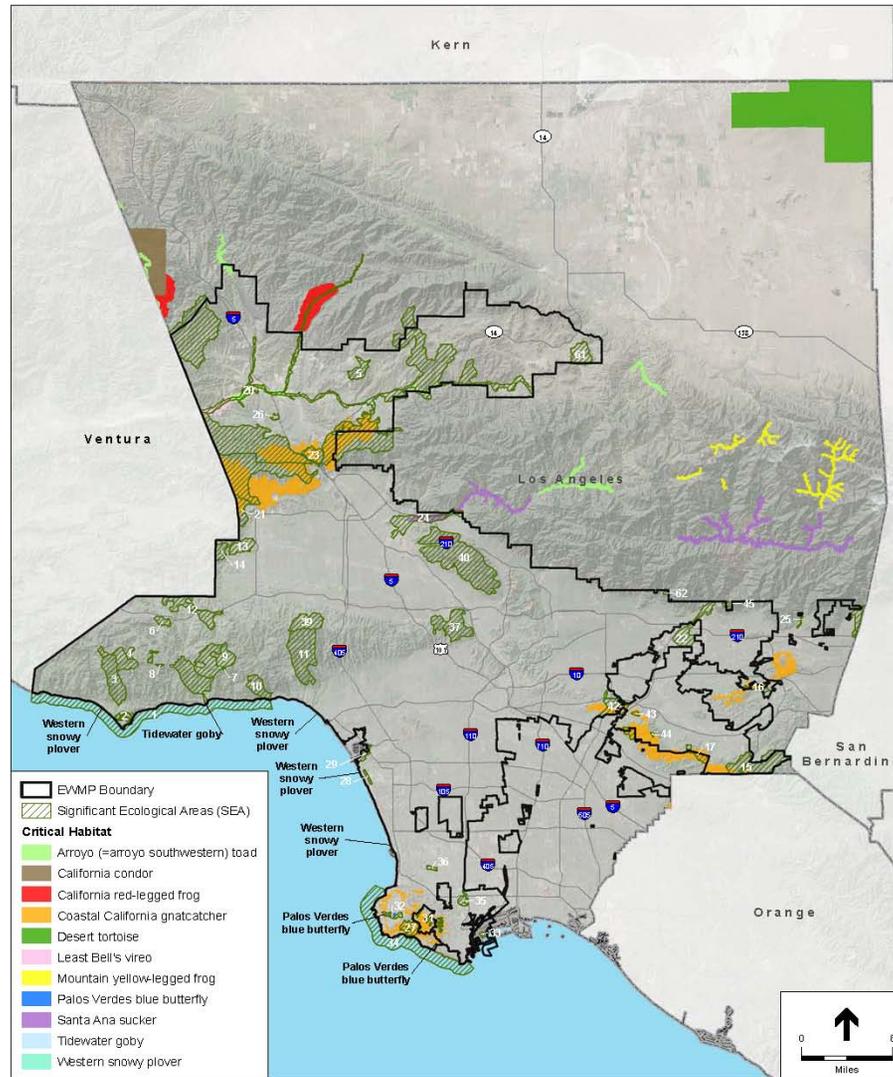
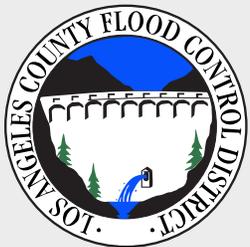
* Potential Distributed BMP not shown - predominantly located in urbanized areas

SOURCE: ESRI; National Hydrology Dataset.

LA County PEIR EWMP . 140474

Figure 2-16

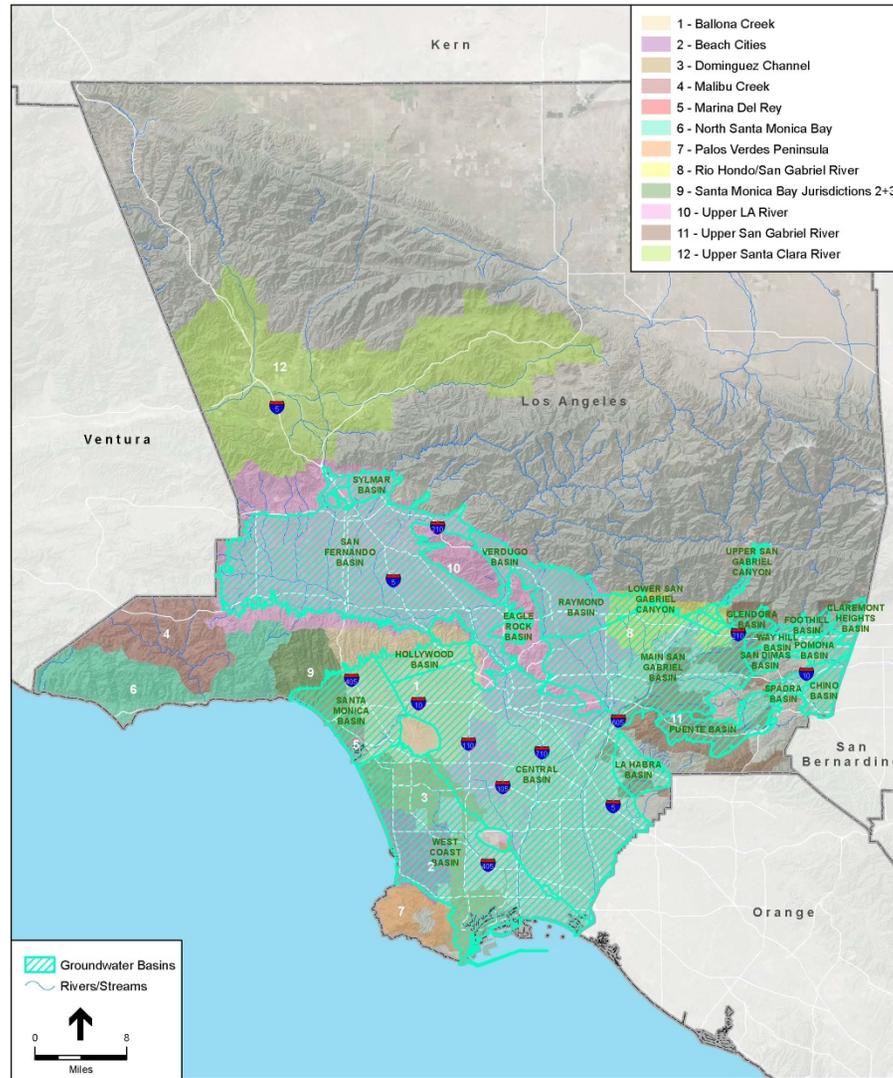
Upper Santa Clara River Watershed
 Watershed Management Group



SOURCE: ESRI; Los Angeles County GIS, FWS, 2014.

LA County PEIR EWMP . 140474

Figure 3.3-8
Los Angeles County Significant Ecological Areas
and Critical Habitat



SOURCE: ESRI; Los Angeles County GIS

LA County PEIR EWMP . 140474
Figure 3.8-10
 Groundwater Basins within the EWMP Areas