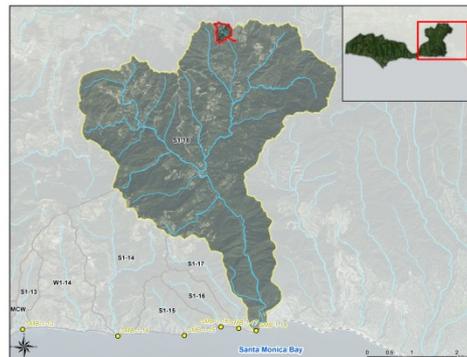
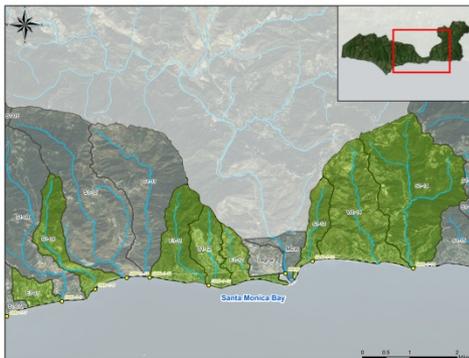
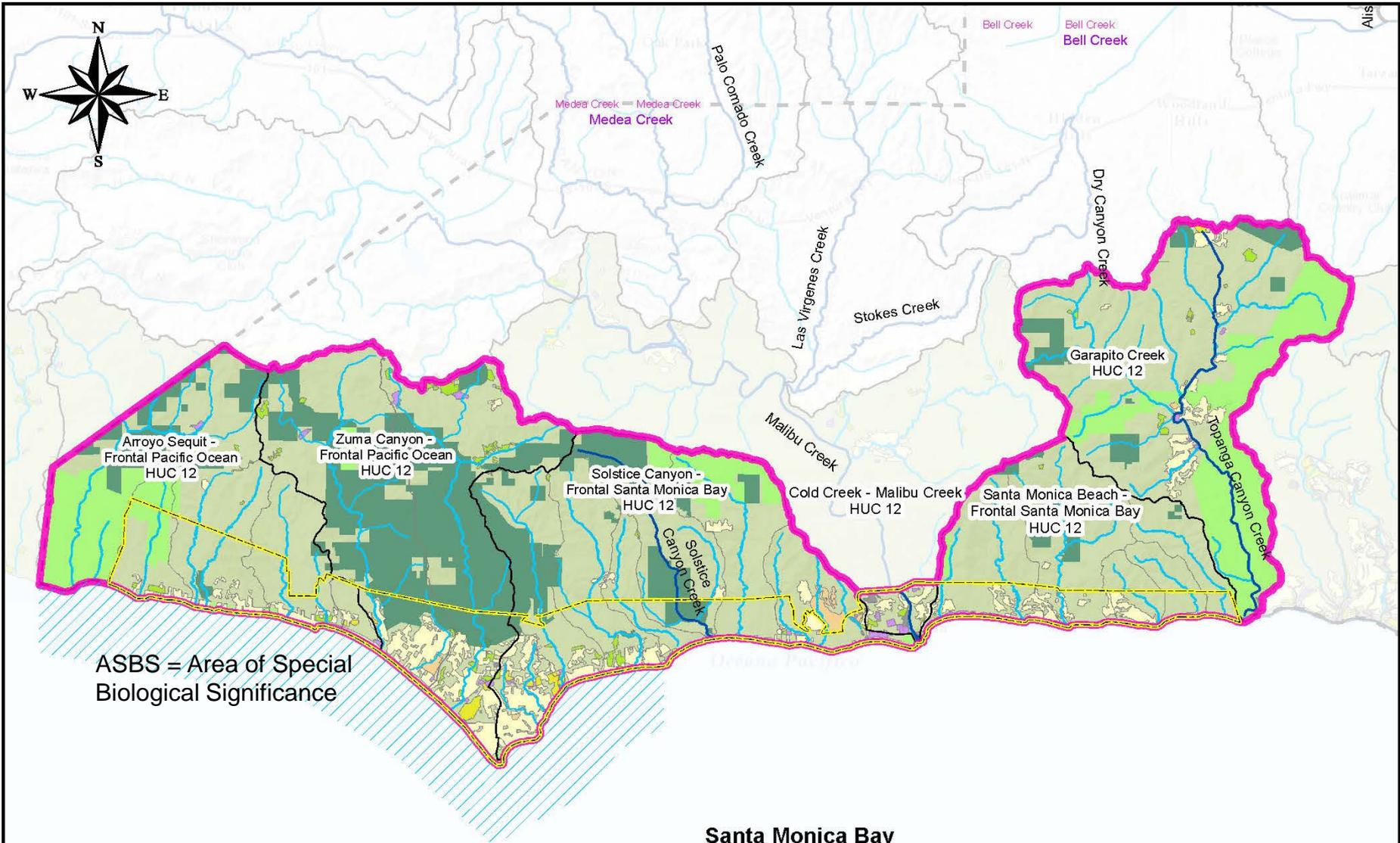


NORTH SANTA MONICA BAY COASTAL WATERSHEDS ENHANCED WATERSHED MANAGEMENT PROGRAM

Public Workshop #3
King Gillette Ranch, Calabasas
May 14, 2015





ASBS = Area of Special Biological Significance

Santa Monica Bay

NSMBCW Watershed



Background

Public Meeting #1

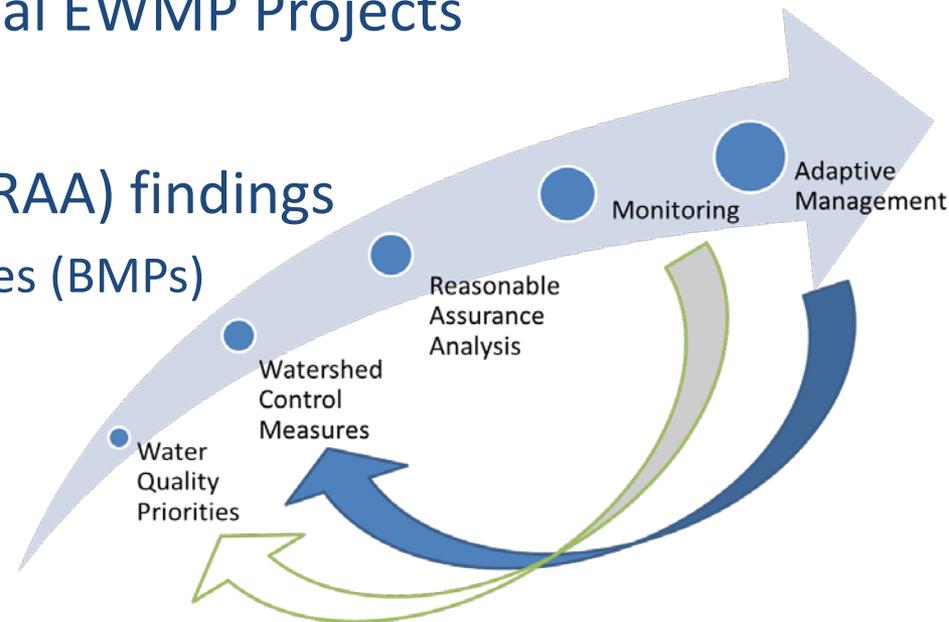
- Overview of Enhanced Watershed Management Program (EWMP) Process

Public Meeting #2

- Identification of Potential Regional EWMP Projects

Public Meeting #3

- Reasonable Assurance Analysis (RAA) findings
 - Identified Best Management Practices (BMPs)



Structural BMPs

- **Regional BMPs:** Designed to collect runoff from large usually multi-parcel, multi-land use areas
- **Distributed BMPs** treat runoff typically from a small area and/or single parcel.
 - Porous pavement
 - Infiltration systems
 - Bioretention/biofiltration
 - Cisterns

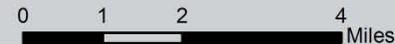
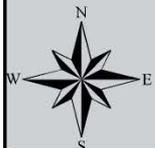
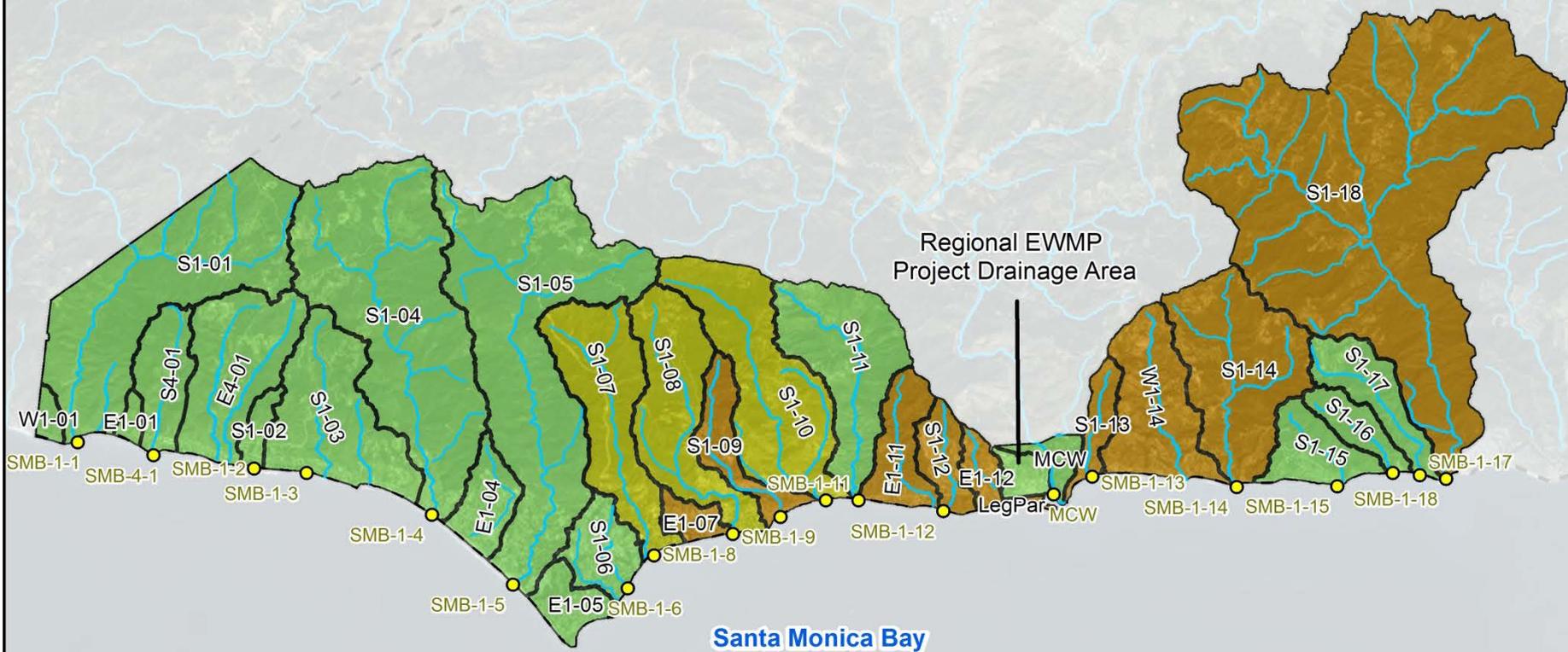


Non-Structural & Institutional BMPs

- Accelerated Commercial Inspection Program
- Septic Management Plan Implementation
- Malibu Local Coastal Plan
- Water Conservation Ordinance
- Ocean Friendly Garden Program
- Clean Water Act and Our Backyards
- Outreach to Equestrian Community
- Living Lightly in Our Watersheds Guide

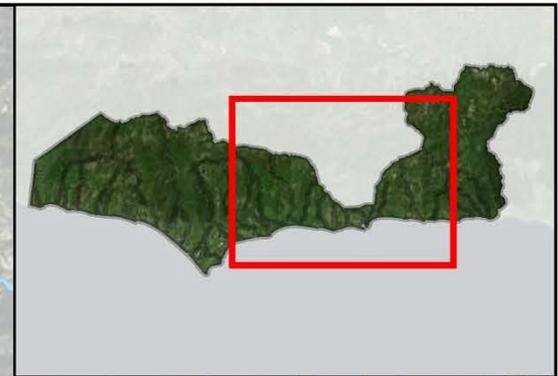


Wet Weather Target Load Reductions





Areas for Future Green Street Projects Based on Final RAA Results



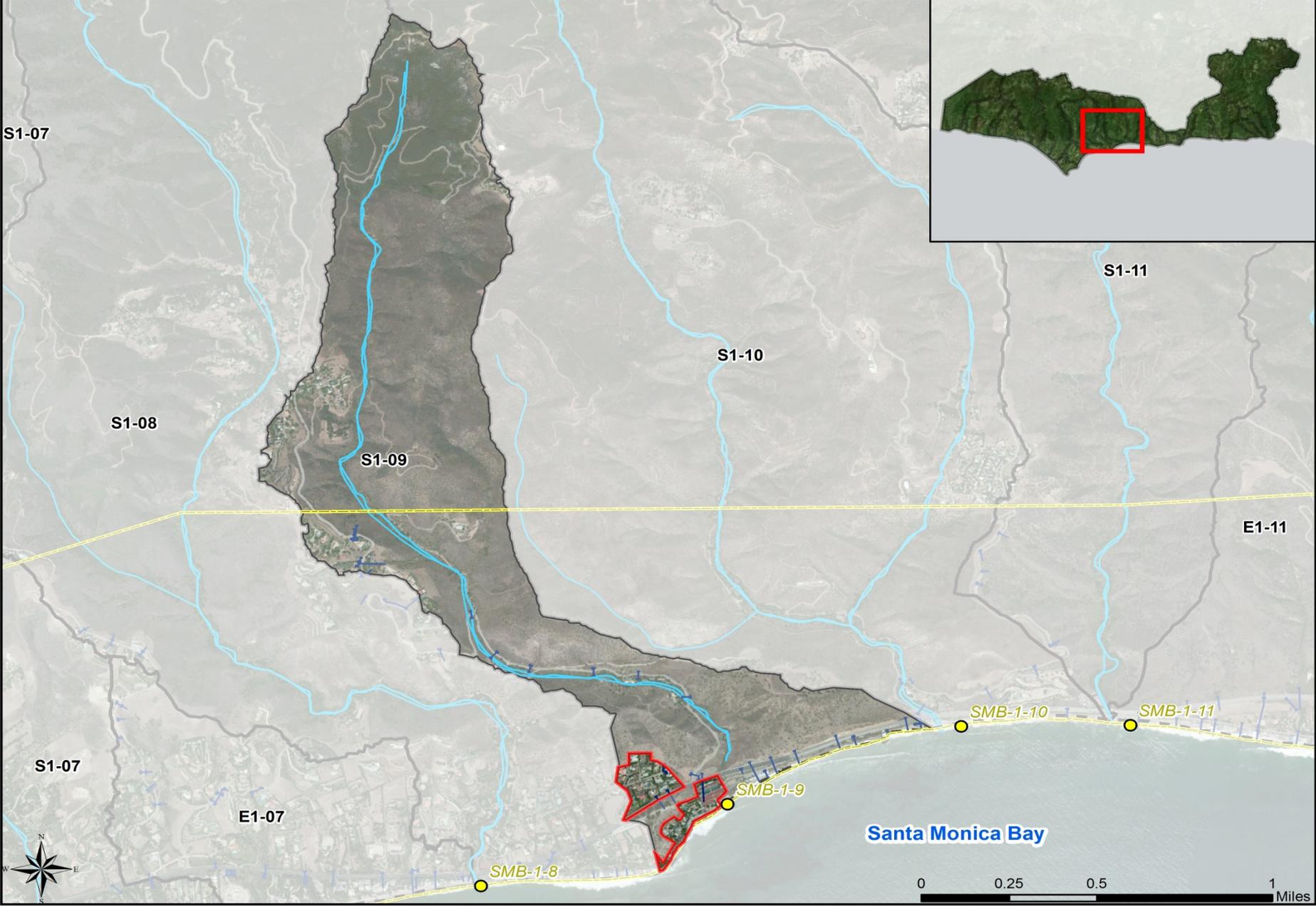
Santa Monica Bay



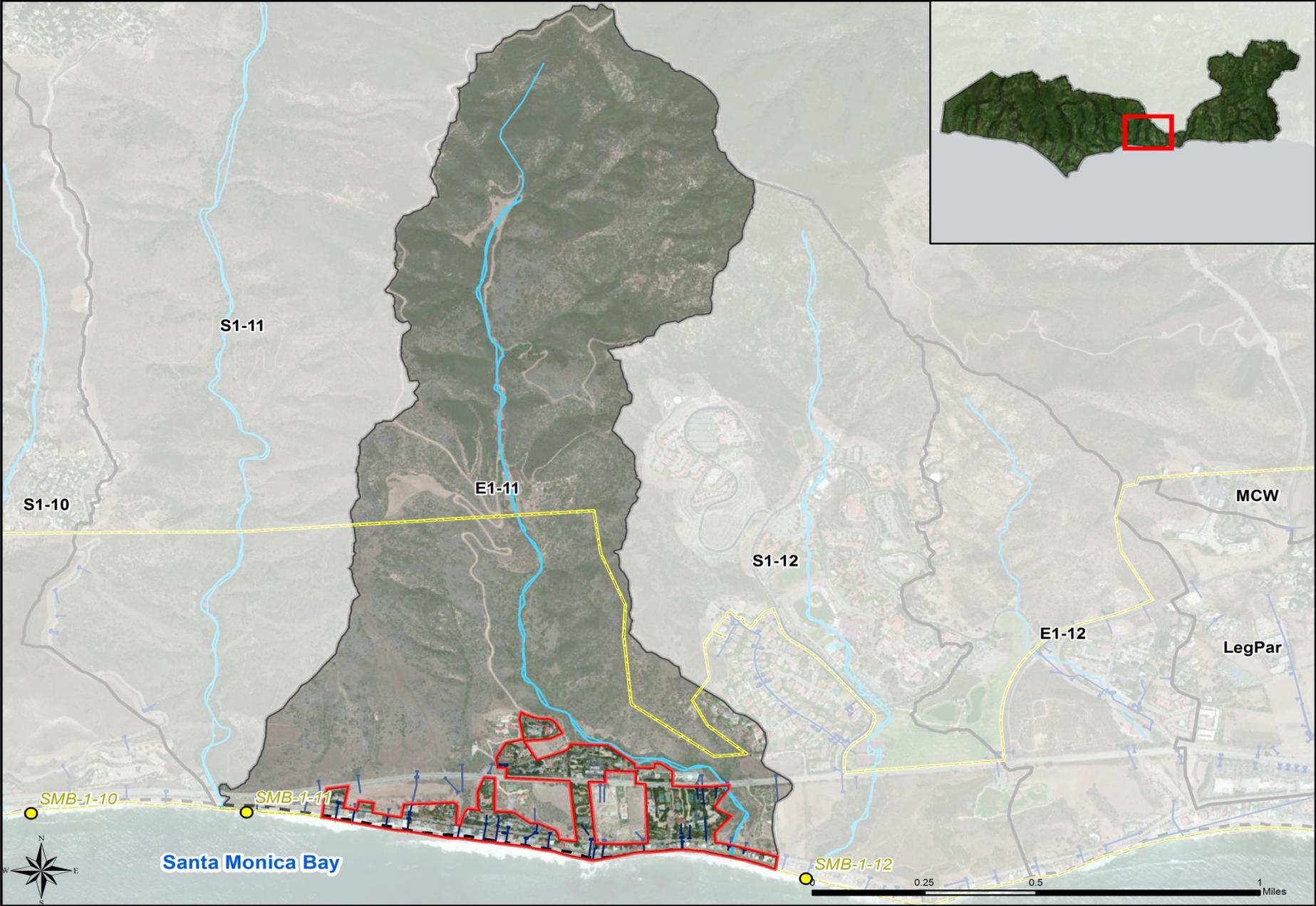
East of Ramirez Canyon (E1-07)



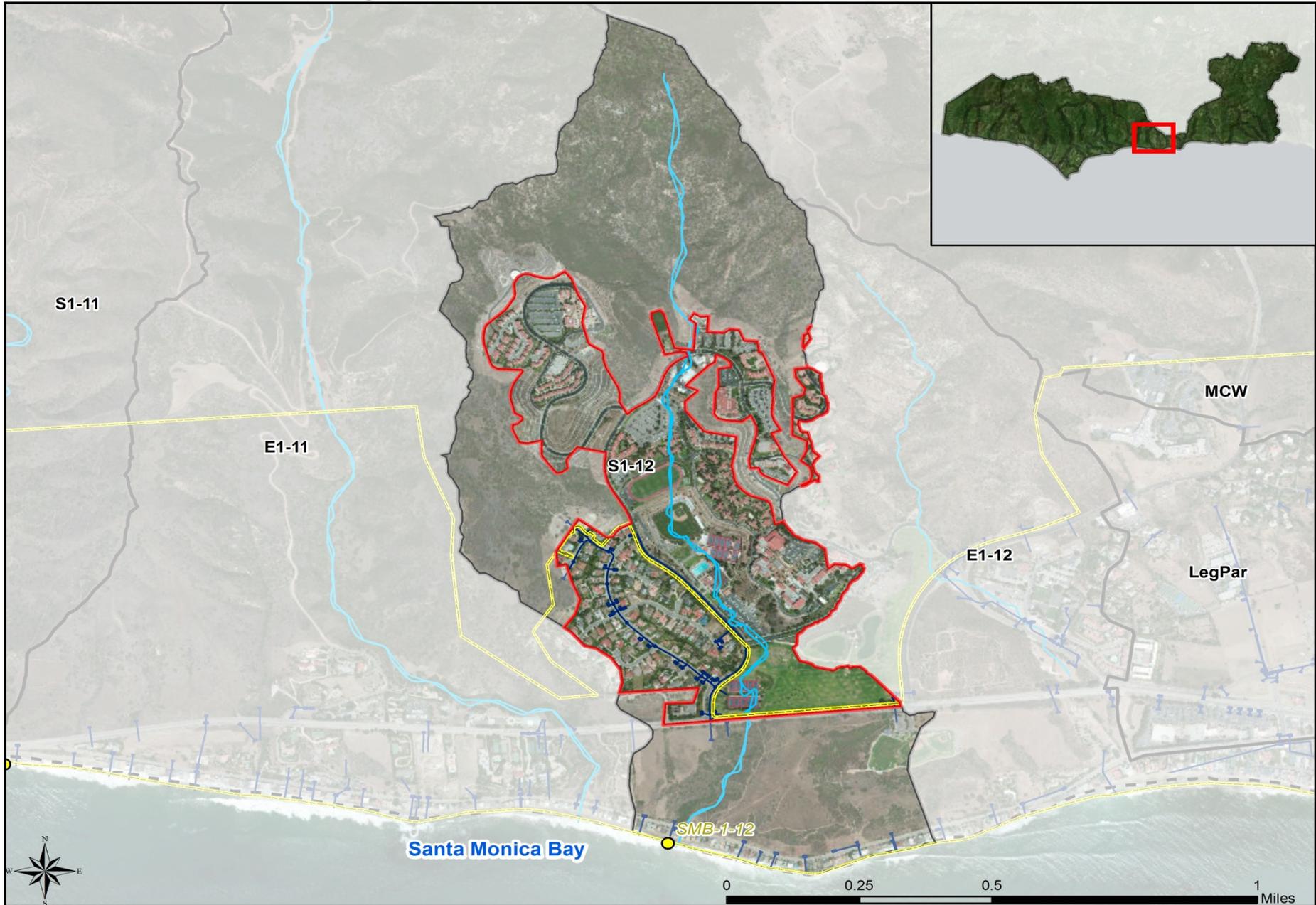
Latigo Canyon (SMB 1-09)



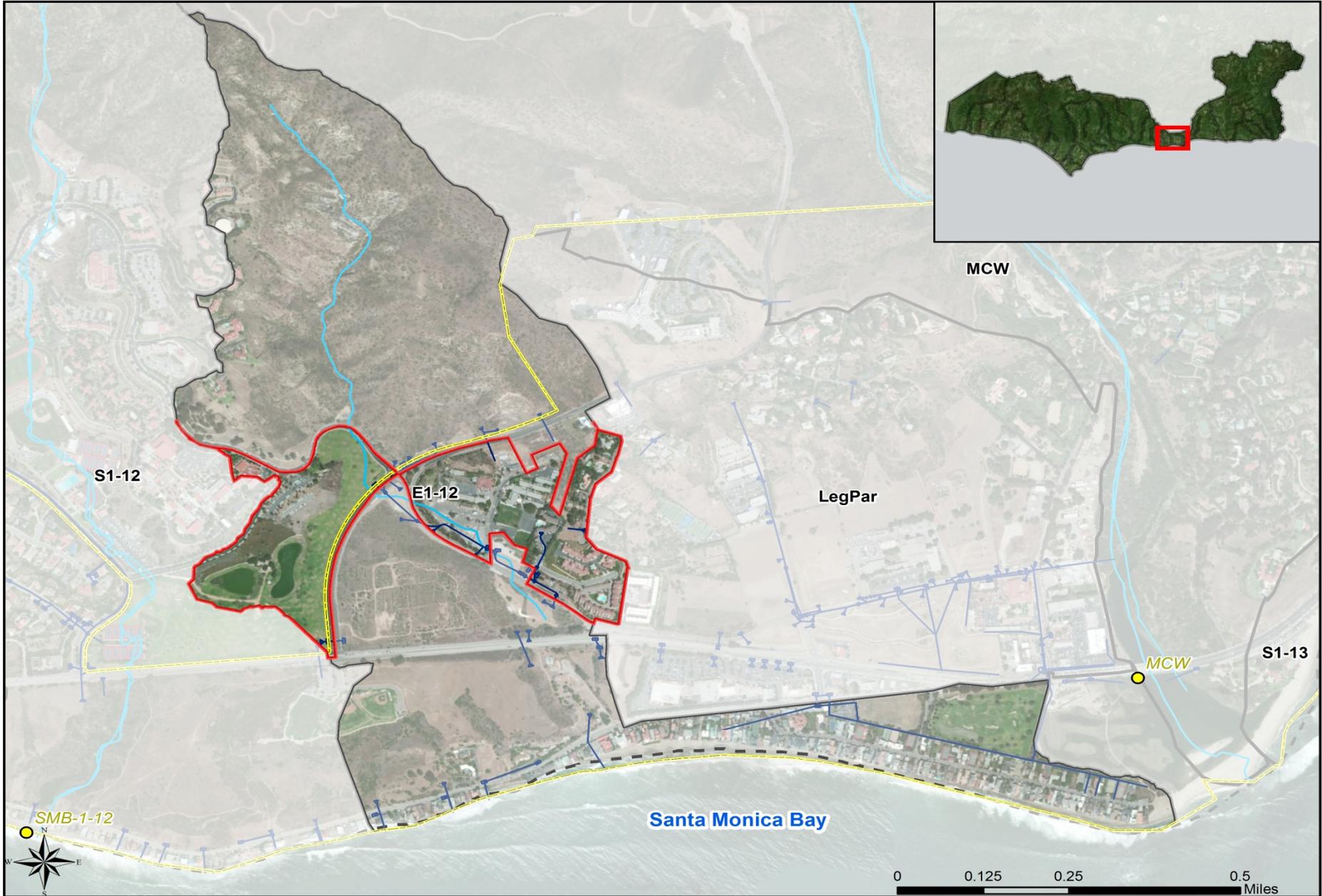
East of Corral Canyon (E1-11)



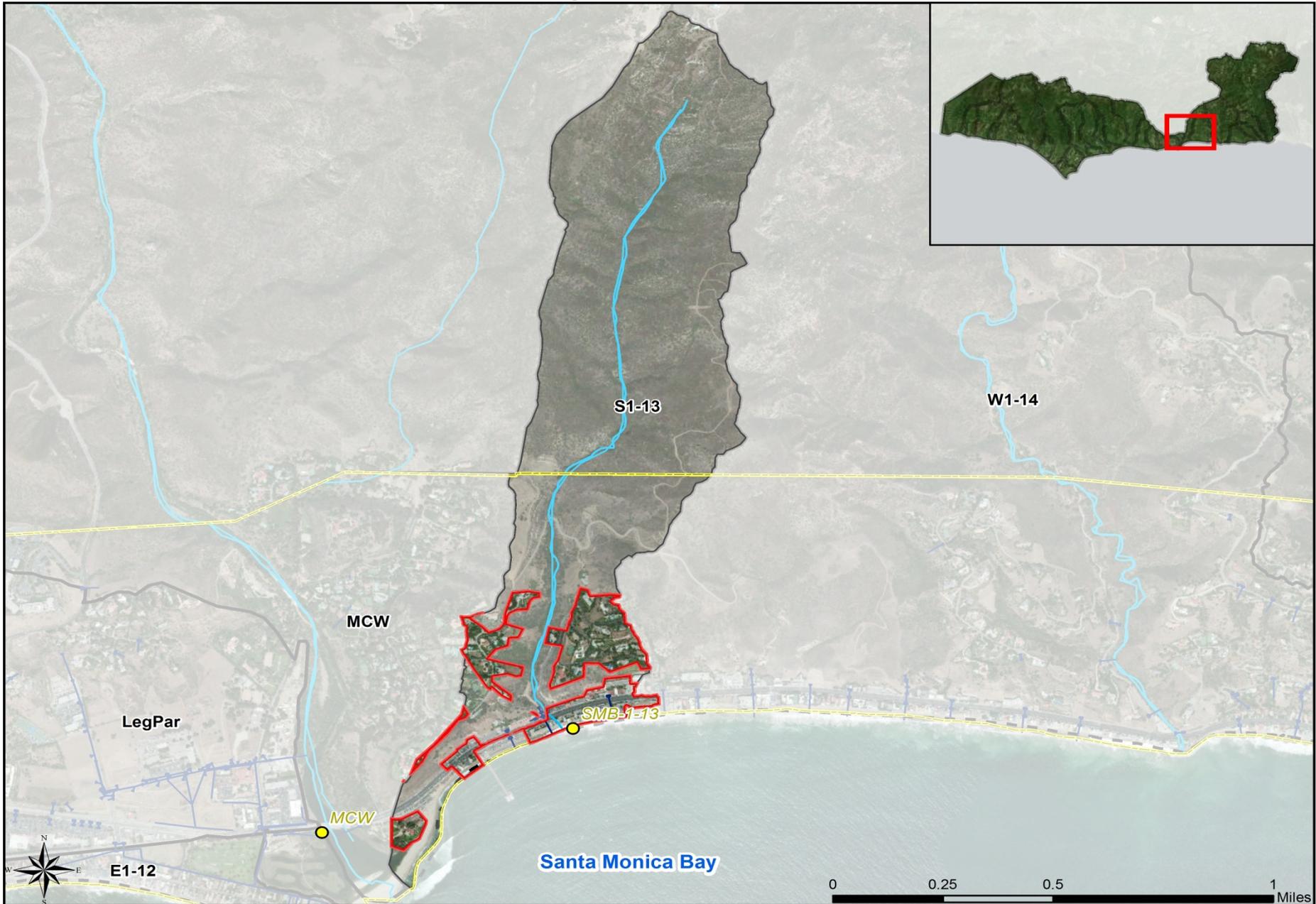
Marie Canyon (SMB 1-12)



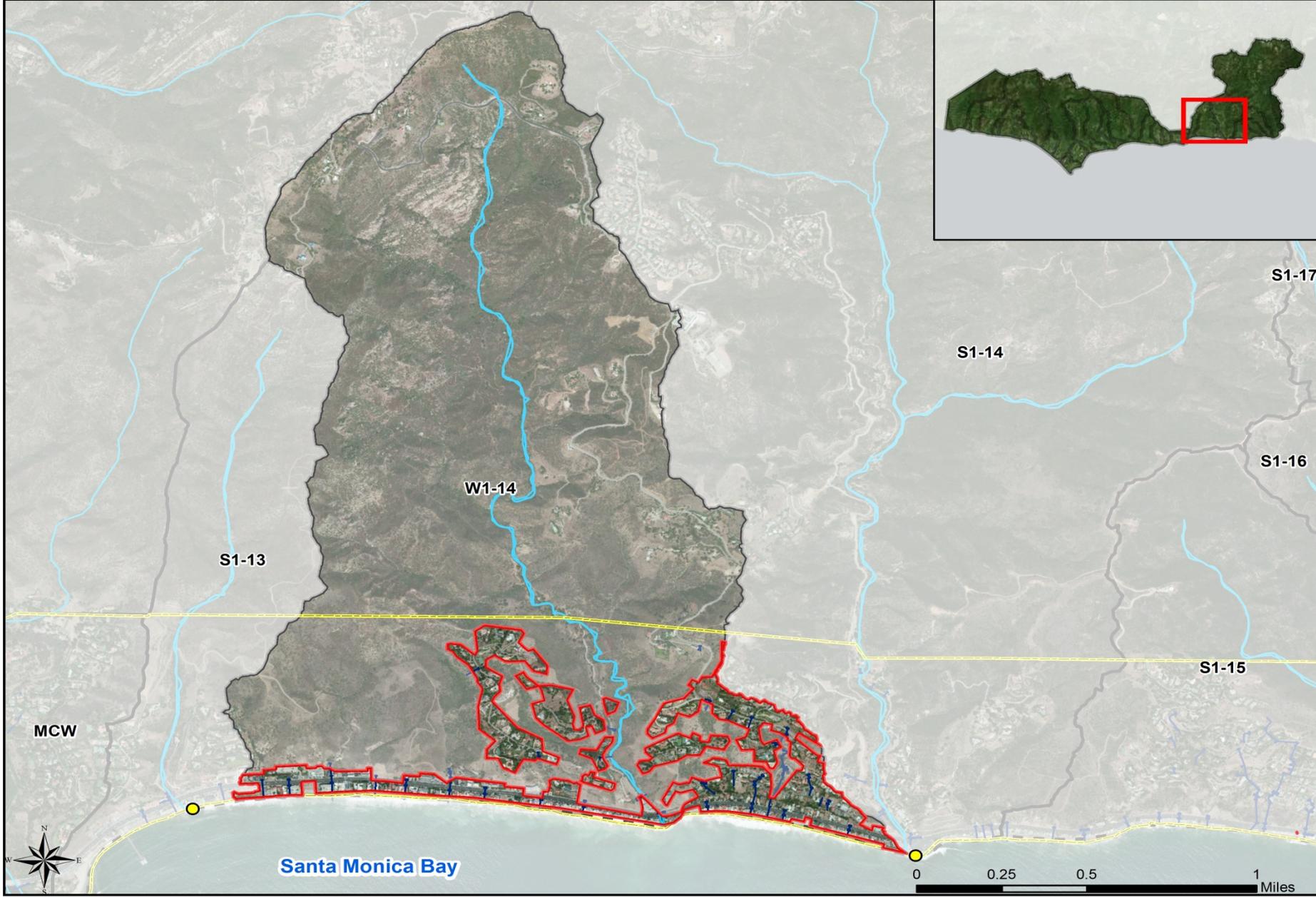
Winter Canyon (E1-12)



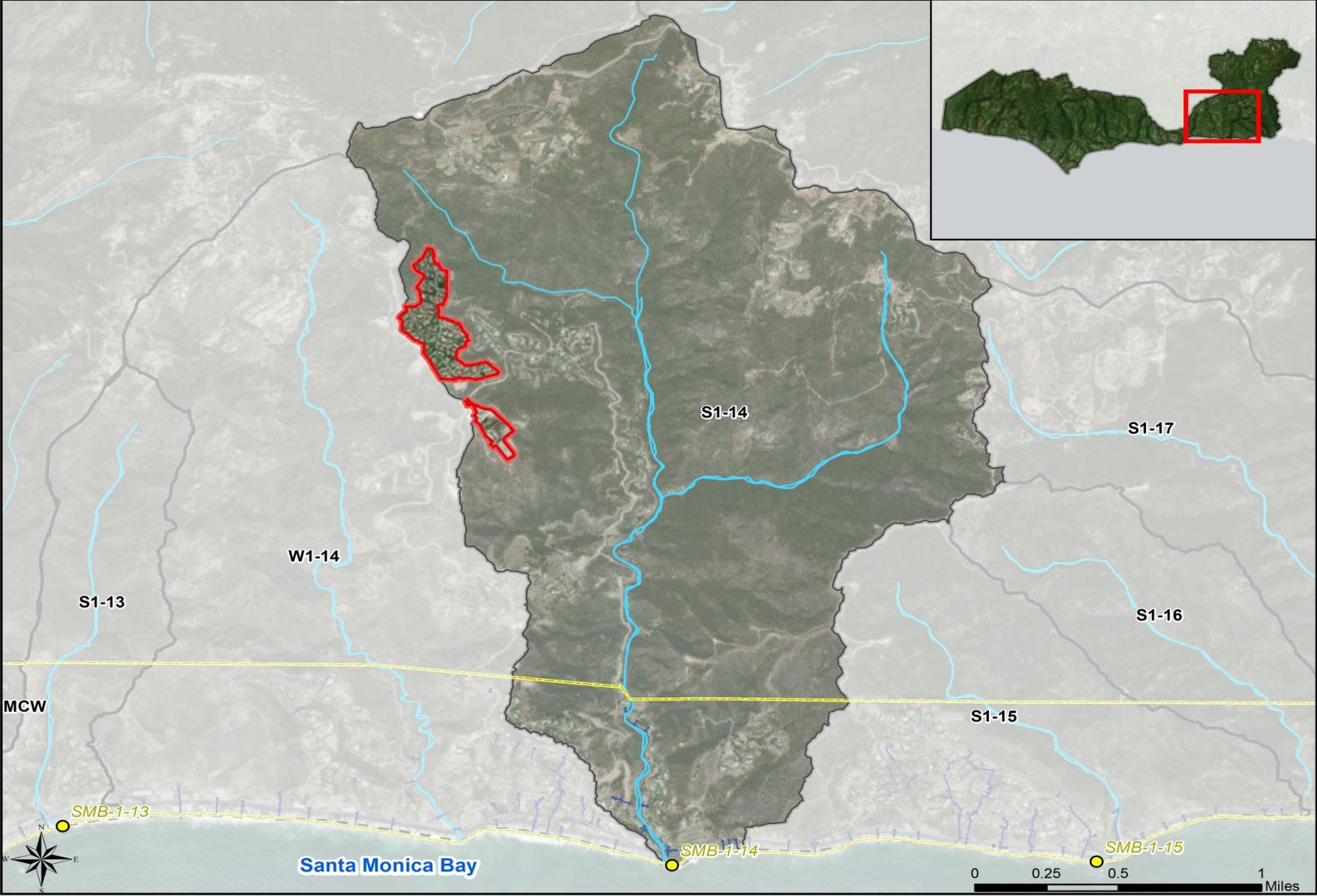
Sweetwater Canyon (SMB 1-13)



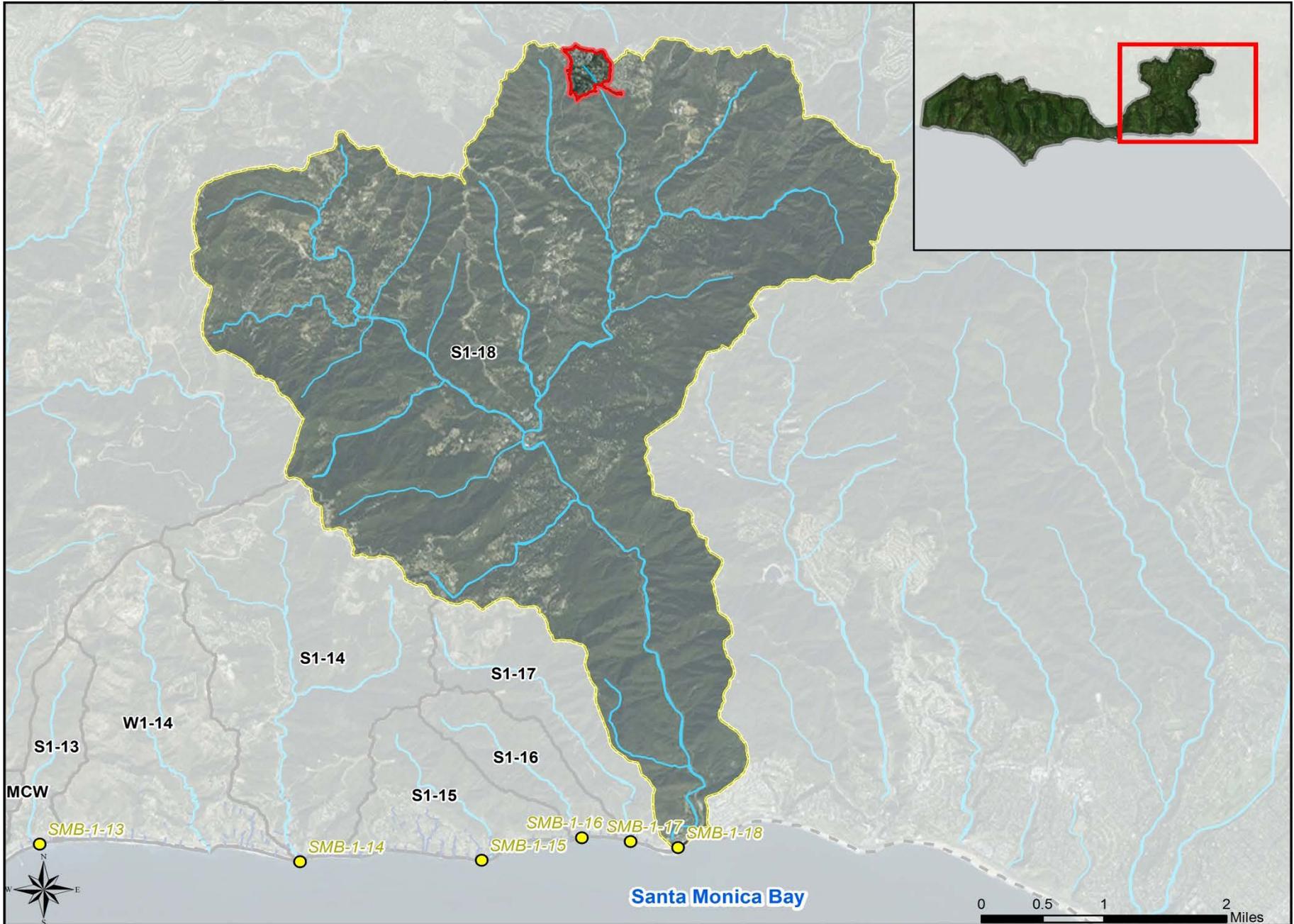
Carbon Canyon (W1-14)



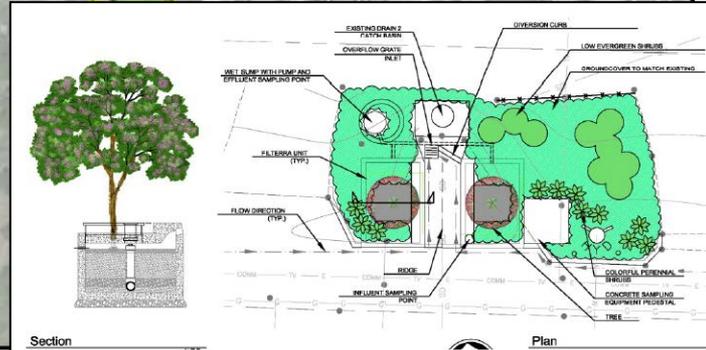
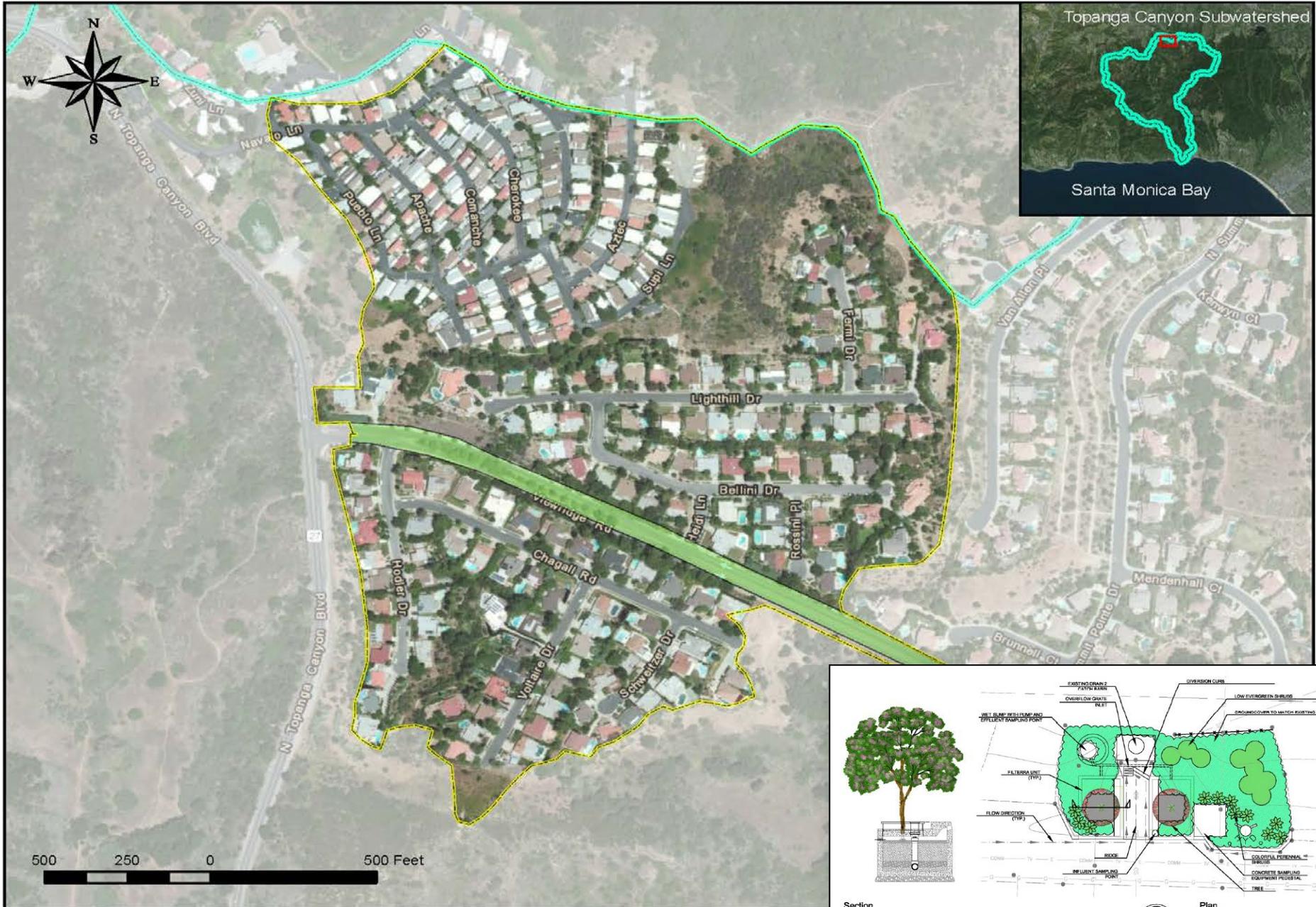
Las Flores Creek (SMB 1-14)



Topanga Canyon (SMB 1-18)



Topanga Regional Green Street Project



Cost Summary

| | |
|--------------------|---------|
| Capital Cost | \$32.5M |
| 20 Year O & M | \$21.7M |
| 20 Year Life Cycle | \$54.2M |

Costs include

- “Hard” costs (e.g., construction and materials)
- “Soft” costs (e.g., design and permitting)
- O&M costs (6% of hard costs, annually)



Schedule

- Address comments
- Draft Final EWMP – June 28, 2015
- Receive and Address Comments from Regional Board
- Final EWMP – 3 months following Regional Board Comments



Questions/Comments

Comments can be included on the provided comment cards

City of Malibu contact:

Rob DuBoux

Assistant Public Works Director/Assistant City Engineer

rduboux@malibucity.org

www.malibucity.org/ewmp