



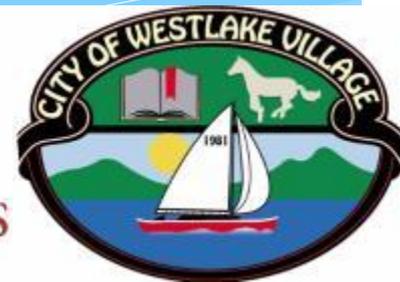
Malibu Creek Watershed Enhanced Watershed Management Program

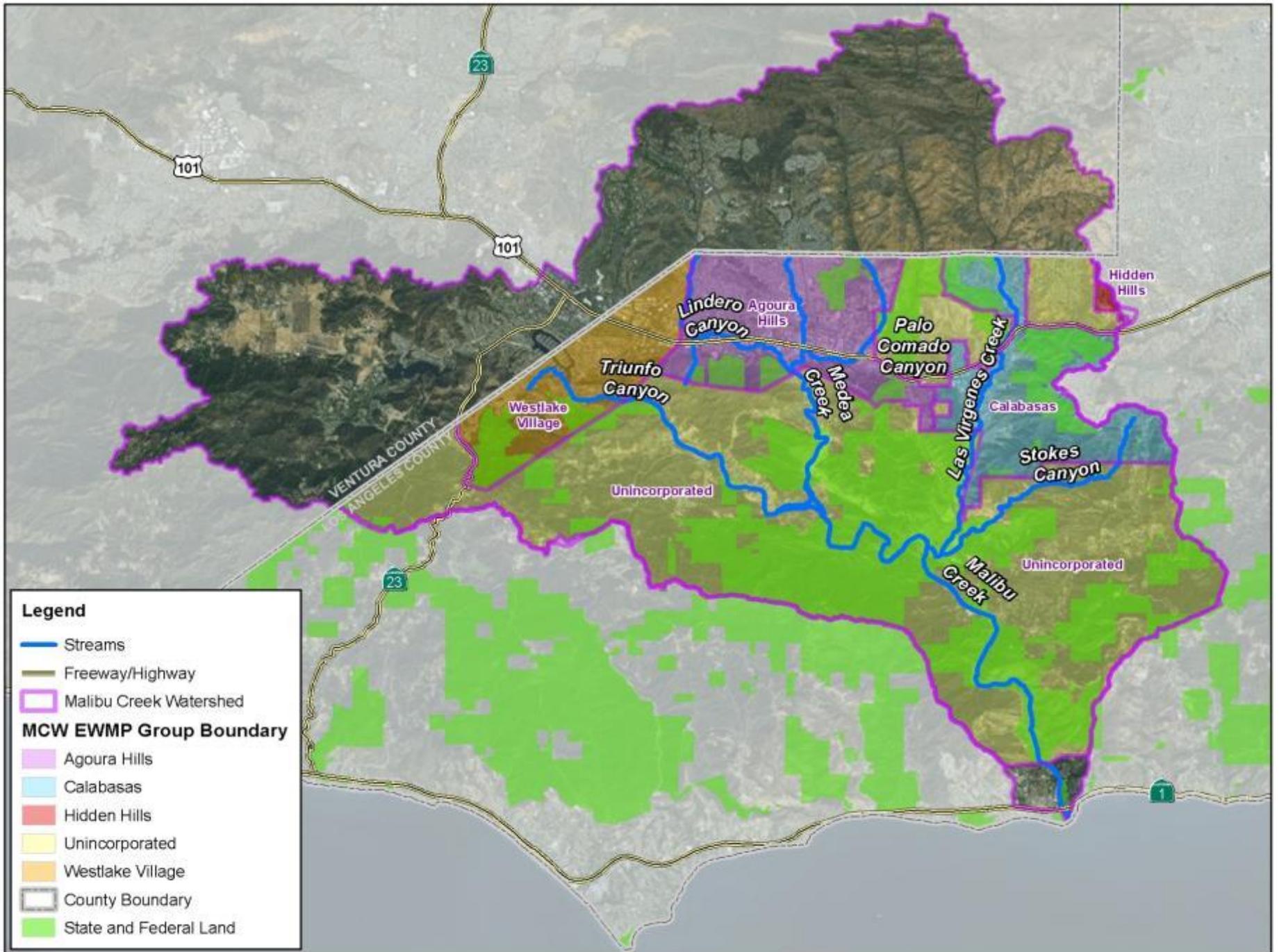
Daniel Apt

Michael Baker International
on behalf of the Malibu Creek EWMP Agencies



CITY of CALABASAS





Legend

- Streams
- Freeway/Highway
- Malibu Creek Watershed
- MCW EWMP Group Boundary**
- Agoura Hills
- Calabasas
- Hidden Hills
- Unincorporated
- Westlake Village
- County Boundary
- State and Federal Land

101

23

101

Hidden Hills

Lindero Canyon

Agoura Hills

Palo Comado Canyon

Triunfo Canyon

Westlake Village

Medea Creek

Las Virgenes Creek

Calabasas

Stokes Canyon

VENTURA COUNTY
LOS ANGELES COUNTY

Unincorporated

Unincorporated

Malibu Creek

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Presentation Overview

- * Key Revisions to the Malibu Creek Watershed EWMP
 - * Addresses the comments in Regional Board letter dated October 27, 2016
 - * Revised MCW EWMP Submitted on January 27, 2016
 - * Key Revisions
 - * Add SMB Beaches Bacteria TMDL
 - * Stormwater Retention Volume
 - * Add Interim Milestones
 - * Justify 2032 Milestone for Benthic TMDL
- * Example Initial MCW EWMP Project

Key Revision: Add SMB Beaches Bacteria TMDL

Regional Board Comment	Key Revision
<p>Section 3.1 (TMDL) and all applicable portions of the EWMP must be revised to include SMB Beaches Bacteria TMDL requirements.</p>	<p>The EWMP has been revised to include the SMB Beaches Bacteria TMDL. Timing for compliance SMB Beaches Bacteria TMDL is interim compliance 2018 (50% wet weather) and final compliance is 2021 (100% wet weather).</p>

Key Revision: Stormwater Retention Volume

Regional Board Comment	Key Revision
<p>The volume of stormwater to be retained by the combination of regional BMPs and green streets, at various stages of implementation within each subwatershed, must be included within the EWMP.</p>	<p>Total volumes treated by all watershed control measures at various stages of implementation within each subwatershed are included in Appendix 7C. The EWMP has also been updated to discuss BMP capacities.</p>

Key Revision: Stormwater Retention Volume

Regional Board Comment	Key Revision
<p>The revised EWMP must specifically state if each of the planned regional projects will retain the volume associated with the 85th percentile, 24-hour storm event, and all nonstormwater runoff and indicate what that volume is for each project's tributary area.</p>	<p>The revised EWMP has been modified to identify which of the planned regional projects will retain the volume associated with the 85th percentile, 24-hour storm event.</p>

Key Revision: Add Interim Milestones

Regional Board Comment

The revised EWMP must include more specific interim milestones and dates for completion, particularly for non-structural (institutional and source) control measures to ensure progress toward TMDL compliance deadlines.

Key Revision

Interim milestones for the for all institutional controls have been added to Table 40 (new Table 43) in Section 7.2.1.

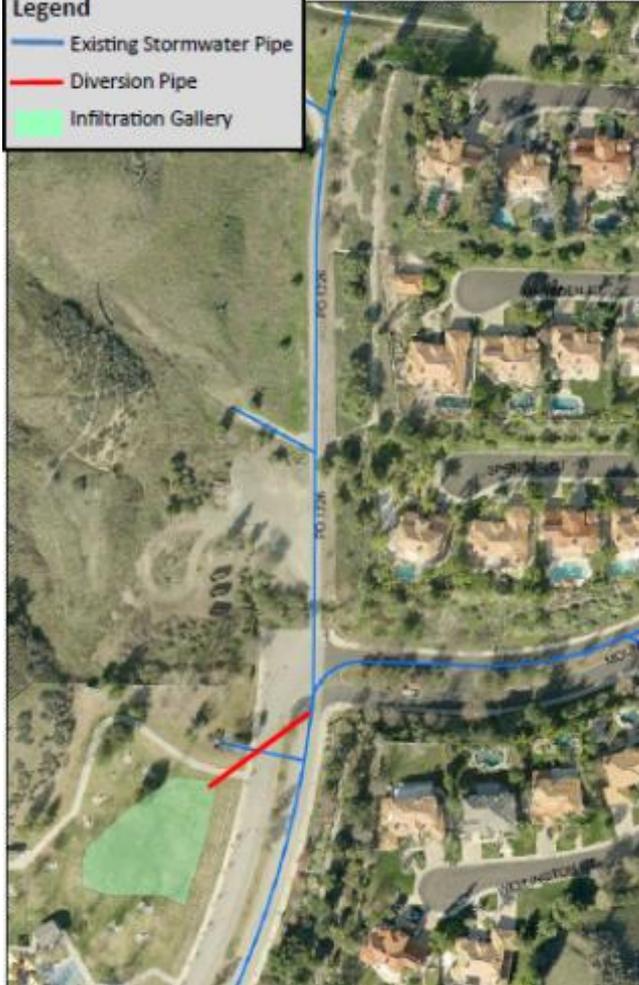
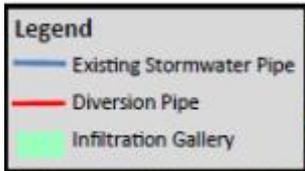
Institutional/Source Control	Implementation Milestones				
	County of Los Angeles	Agoura Hills	Calabasas	Hidden Hills	Westlake Village
Industrial Commercial					
Increase Frequency of Trash Collection at Restaurants		2012	2017		2012
Equestrian/Livestock Facilities					
Update the Inventory of Areas with Confined Animals and Educate Property Owners on Bacteria	Completed	2017	2017	2017	2017
Create Updated Equestrian BMP Outreach Materials and Equestrian/Livestock Facility Education	Completed	2017	2017	2017	2017
Outreach for Equestrian Users Emphasizing Cleaning up After Horses & Post Signs at City and County-owned Trailheads	2017	2017	2017	2017	2017
Exclusion Fences		2012	2017	2012	2012
Manure Management Education Materials and Workshops on Water Efficient Landscaping & Fertilizer Reduction	Completed	2017	2017	2017	2017
	Completed	2012	2016	2012	2012
Trash					
Advanced Street Sweeping	2017	2012	2018	2012	2012
Storm Drain Marking	Completed	2012	2015	2012	2012
Trash Receptacles		2012	2014	2012	2012
Creek Clean-Ups		2012	2017	2017	2017

Key Revision: Justify 2032 Milestone for Benthic TMDL

Regional Board Comment	Key Revision
<p>While the Regional Water Board has encouraged Permittees to look at previous TMDLs for milestone comparison, when assessing the timeline proposed in a TMDL the differences in waterbodies and impairments must be kept in mind. The sediment toxicity and associated benthic community impairments in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL are not comparable to the sedimentation and benthic community impairments in MCW. Therefore, it is not appropriate to use such a comparison to justify the proposed final compliance date of 2032 in the MCW. Provide alternative justification and modify the proposed final compliance date accordingly.</p>	<ul style="list-style-type: none">- No other TMDLs have been developed in the Los Angeles Region that address sedimentation and benthic community effects of an estuary.- San Diego Region has a sedimentation TMDL for the Los Penasquitos Lagoon, which shares similar characteristics of the Malbu Creek Lagoon.- Los Penasquitos Lagoon TMDL includes a 20-year implementation schedule to meet final wasteload allocations assigned to the Phase I MS4.- Discussion of this similar TMDL and its associated implementation schedule was added to Section 7.6.

Example Project Moving Forward: (LA County / City of Calabasas)

Gates Canyon Park



Gates Canyon Park Drainage Area



Sample Infiltration Gallery

- Will capture 85% storm from 105 Acres
- Stormwater will be infiltrated and used for irrigation
- Recreational benefits will be maintained
- Applied for \$1,000,000 OPC Prop 1 Grant



Questions

