

# Aliso Creek Water Quality S.U.P.E.R. Project



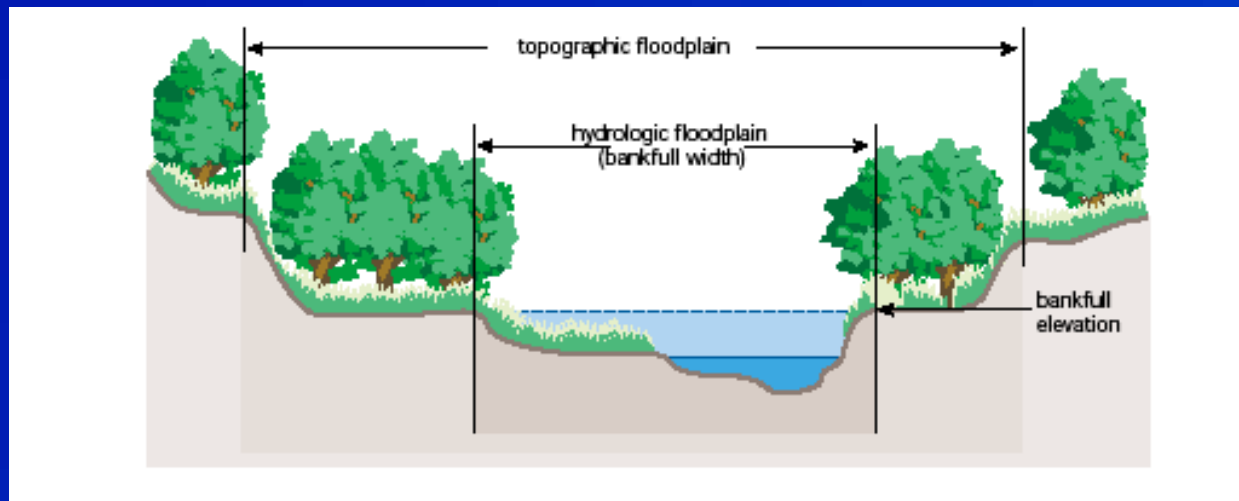
Mary Anne Skorpanich, County of Orange  
Laguna Beach City Council  
February 17, 2009

# Project Goals

- **Water quality**
- **S**tabilization
- **U**tility
- P**rotection
- **E**cosystem
- R**estoration

in a wilderness park setting

# Stream corridor with floodplain



# Problem: eroding streambanks



# Problem: riparian corridor lost



# Problem: invasive species



# Problem: utilities jeopardized

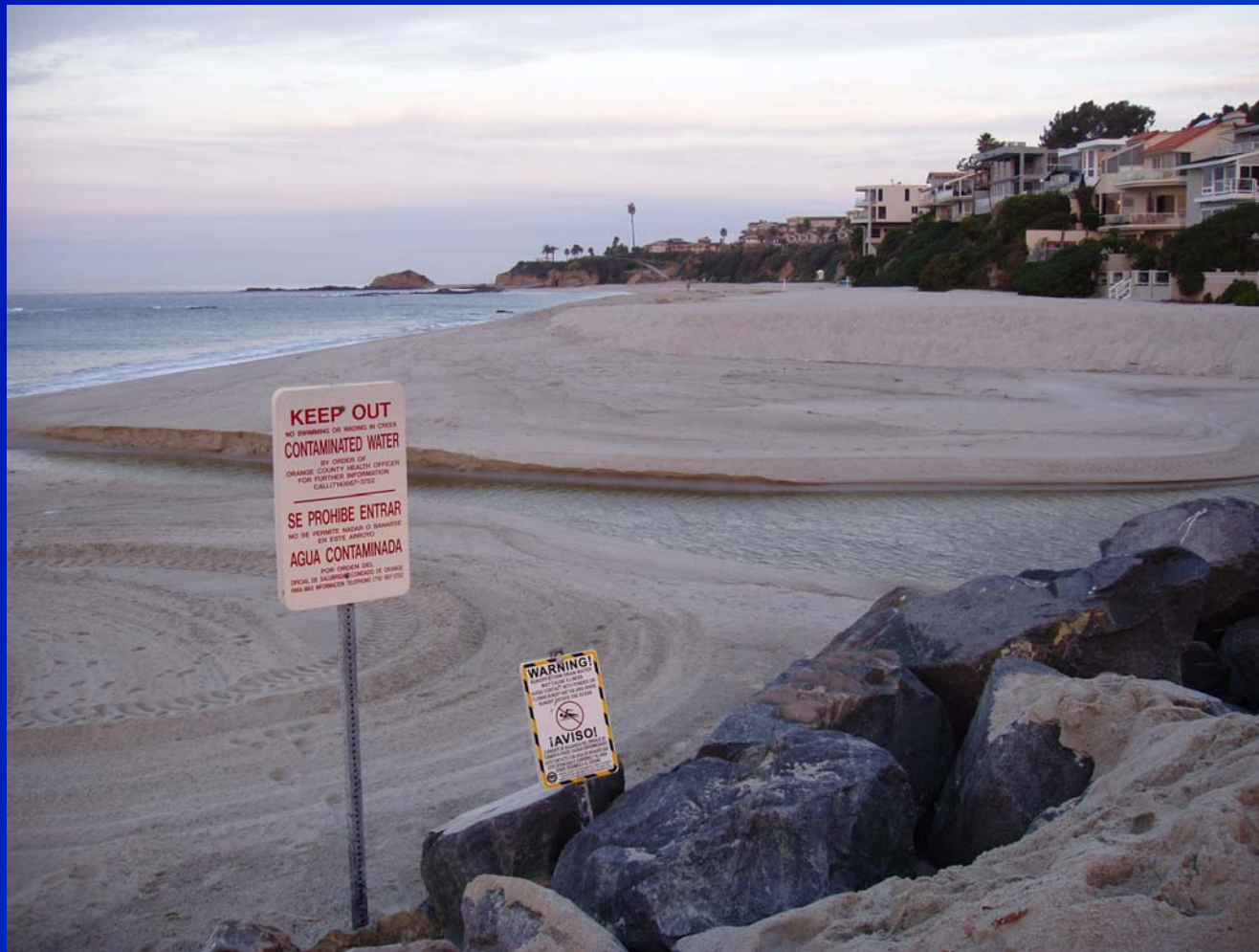


# Problem: storm flow velocities





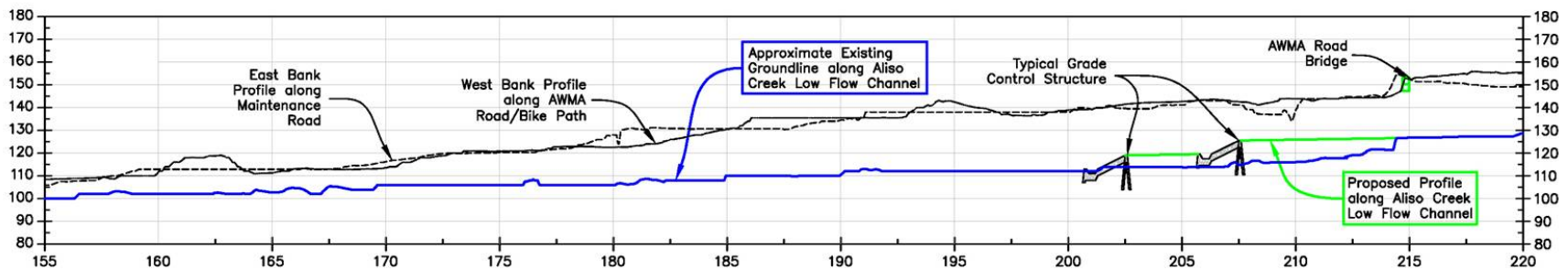
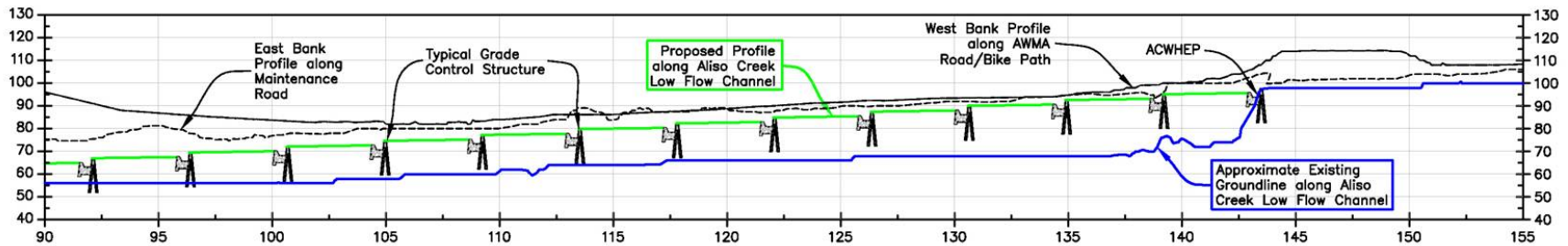
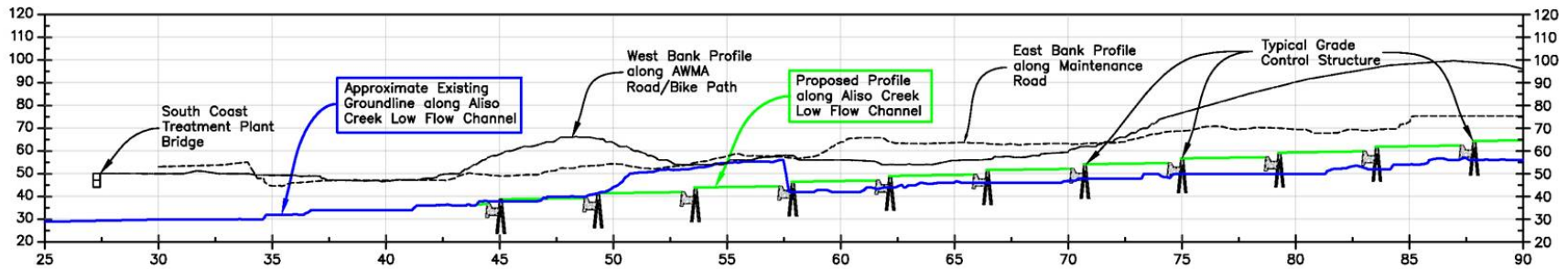
# Problem: poor water quality



# Proposed solution

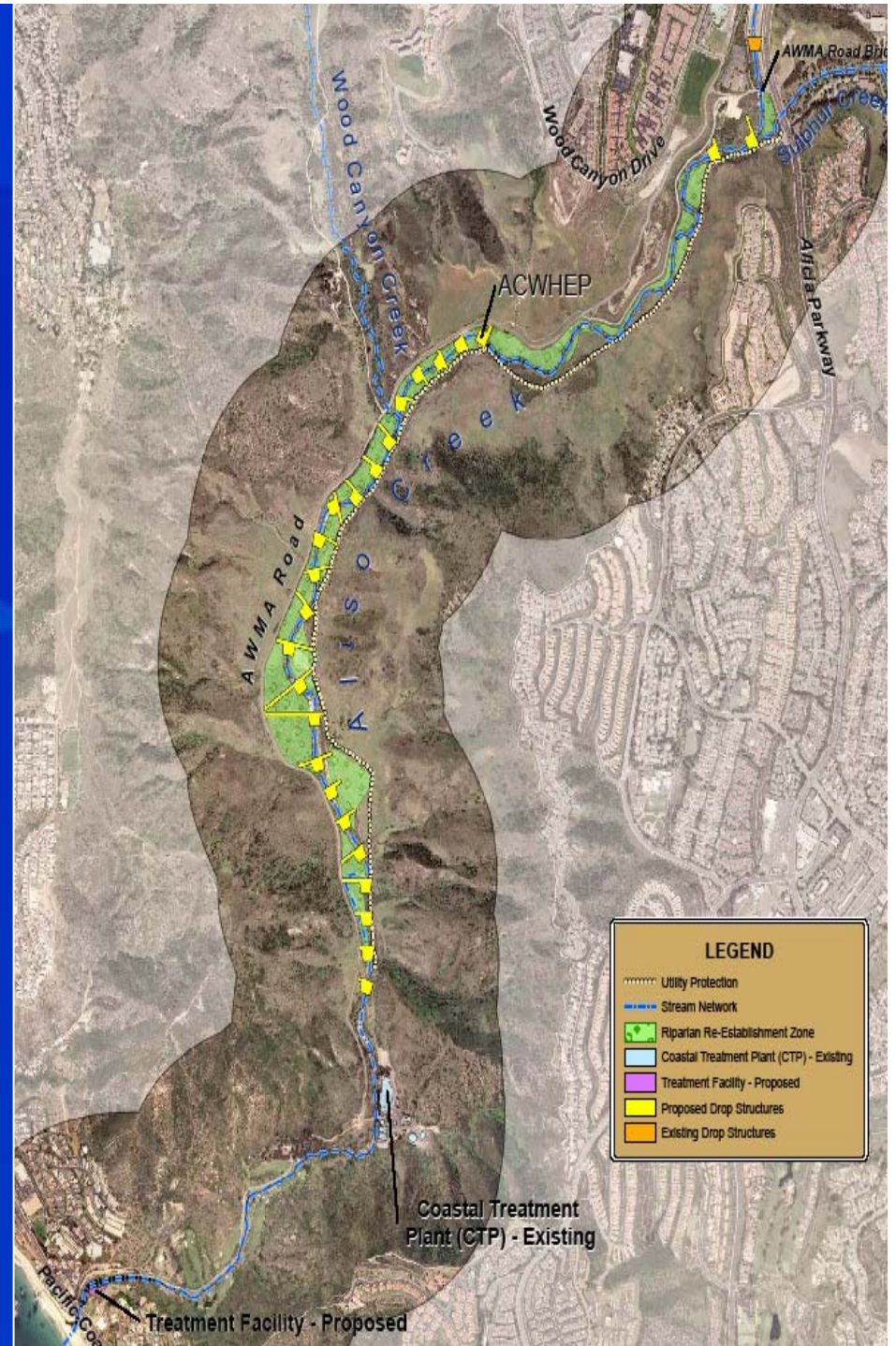
- Make the streambed within Aliso-Wood Canyon Wilderness Park less steep to minimize the erosive power of storm flows
- Re-establish the connection between streambed and floodplain
- Restore habitat, remove invasive plants
- Protect utility lines from damage
- Treat water quality upstream of beach

# Minimizing Steepness

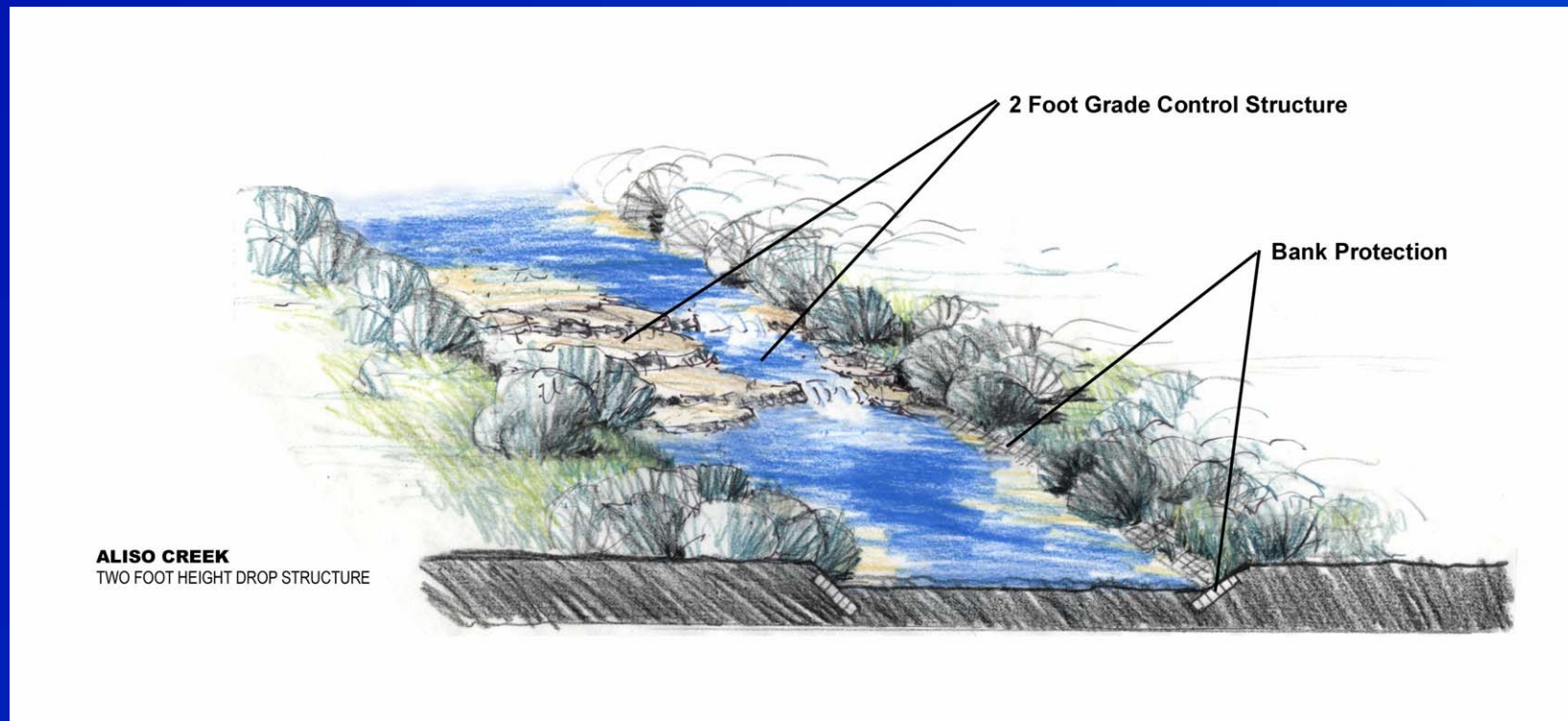


# Proposed Project Elements

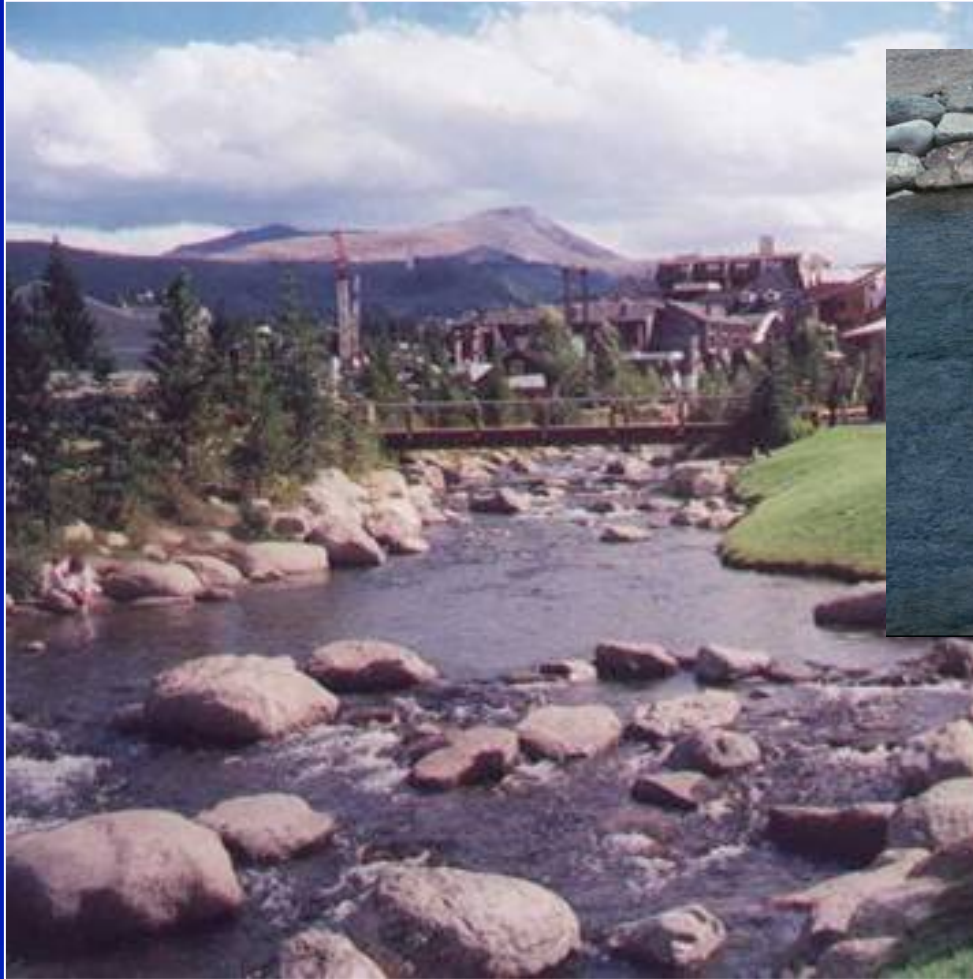
- Riparian restoration zone
- Grade control structures
- Treatment facility
- Utility protection



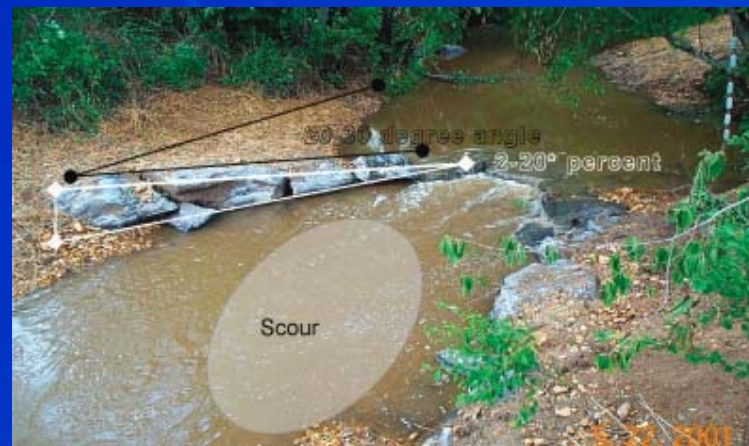
# Conceptual Design



# Blue River Walkway, CO



# Rocky Branch, NC



# Wolf Creek, San Luis Obispo





# Project Implementation Timeline

Complete Technical Studies	April 2009
Public Meetings	May 2009 – Dec 2012
NEPA/CEQA, Environmental	May 2009 – Dec 2012
Engineering & Design	January 2009 – Jan 2010
Construction	January 2010 – Dec 2012

# Project Funding

Federal Cost Share, 75%	<b>\$ 33,750,000</b>
Local Match, 25%	<b>\$ 11,250,000</b>
▪ Urban Streams Restoration Grant, secured	\$ 1,000,000
▪ Wetlands Recovery Project, on work plan	1,100,000
▪ Proposition 50 Grant, secured	4,050,000
▪ MNWD & SOCWA, letters of commitment	3,000,000
▪ Additional Matching Funds needed	2,100,000
♦ Measure M2 Mitigation Fund, application submitted	
<b>TOTAL PROJECT COST</b>	<b>\$ 45,000,000</b>



[www.ocwatersheds.com](http://www.ocwatersheds.com)

Aliso Creek Watershed

Reports & Studies :: Projects & Grants