

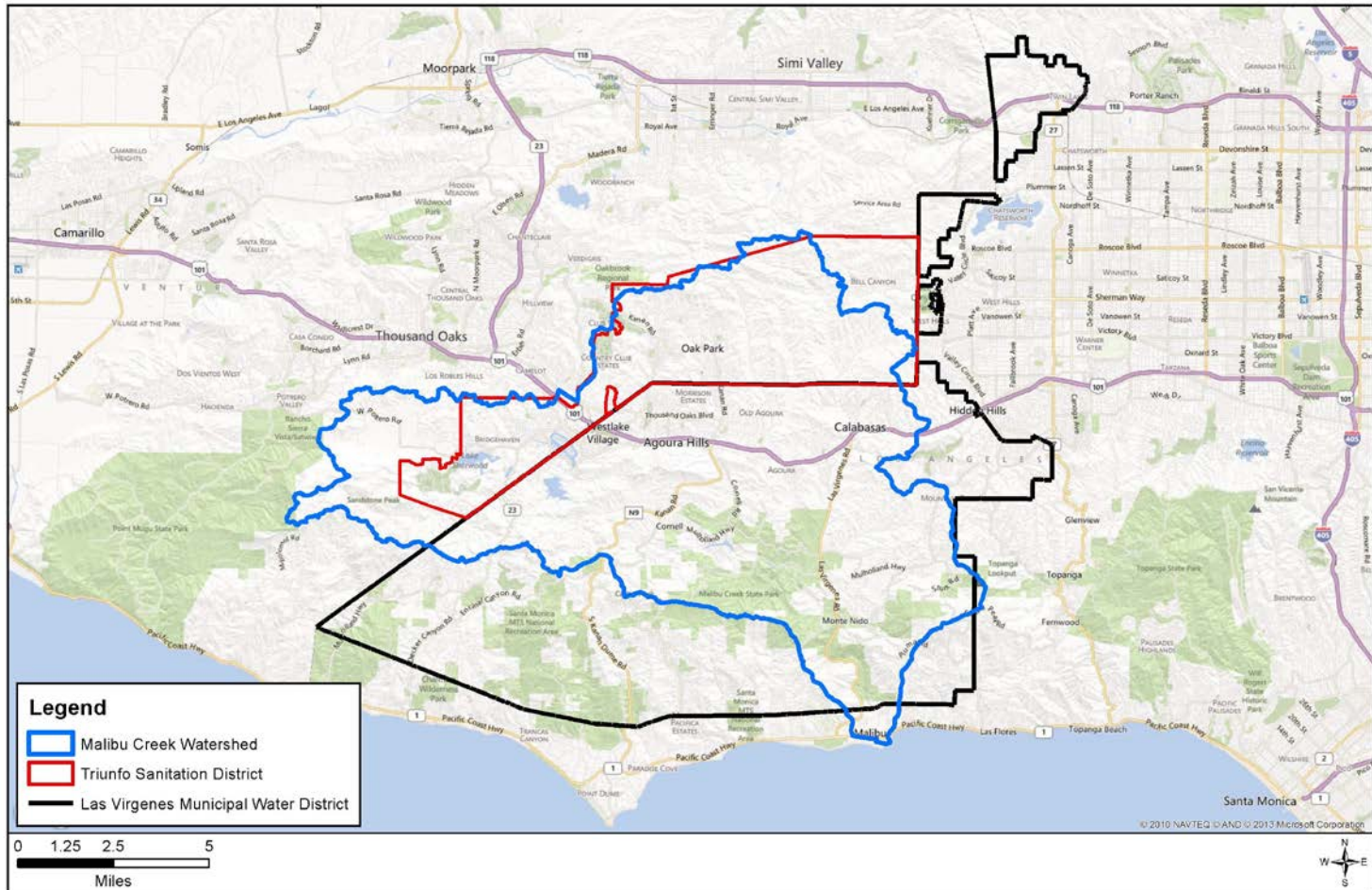
Proposed Water Quality Standards for Malibu Creek

U.S. EPA Malibu Creek and Lagoon TMDL for Sedimentation and Nutrients to Address Benthic Community Impairments

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Administering Agent / General Manager



Malibu Creek Watershed



Las Virgenes – Triunfo Joint Powers Authority



JPA Accomplishments

1. Water recycling

- 60% of wastewater flow reused in the community

2. Composting

- \$50M facility to treat 100% of the biosolids locally, eliminating impact Malibu Creek

3. Nutrient Reduction

- \$11M in nutrient reduction facilities to meet the 2003 Nutrient TMDL

4. Creek Avoidance

- About \$600,000/yr. to divert flow from Apr 15 to Nov 15 since 1997

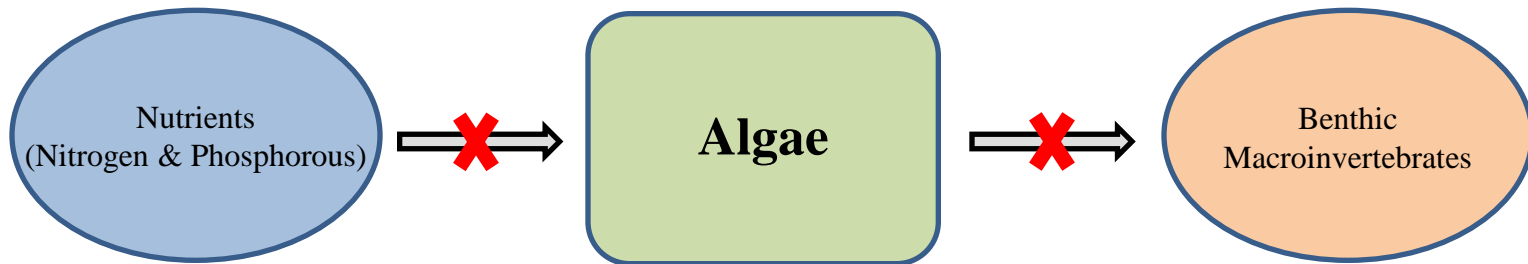


The JPA's Concerns

1. Inadequate evidence provided that algae coverage will be reduced in the receiving water bodies.
2. Unique characteristics of Malibu Creek and surrounding watershed have largely been dismissed.
3. Establishment of the TMDL was rushed to meet an arbitrary deadline at the expense of thorough scientific analysis and stakeholder input.
4. An existing 2003 Nutrient TMDL for the same purpose has not been given adequate time to work.
5. Cost of compliance is estimated to be \$307 million in capital and \$23.5 million annually for O&M.



1. Inadequate Evidence



- No positive correlation has been shown between nutrient levels and algal coverage.
- No evidence is provided that algae growth can be controlled by limiting nutrients.
- Evidence suggests that sunlight availability and water current are more plausible factors affecting algae growth.



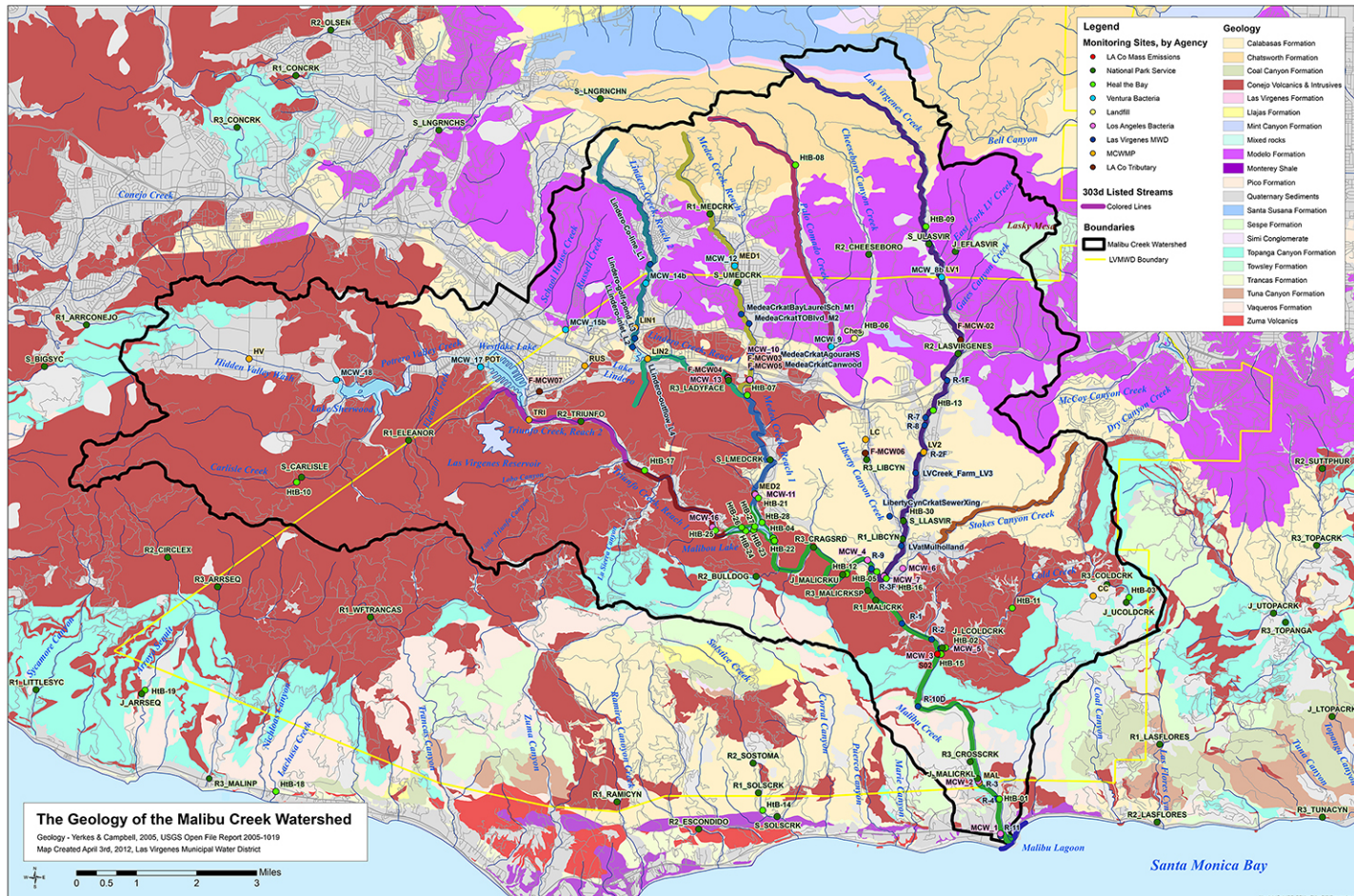
Las Virgenes Creek Restoration Project – City of Calabasas

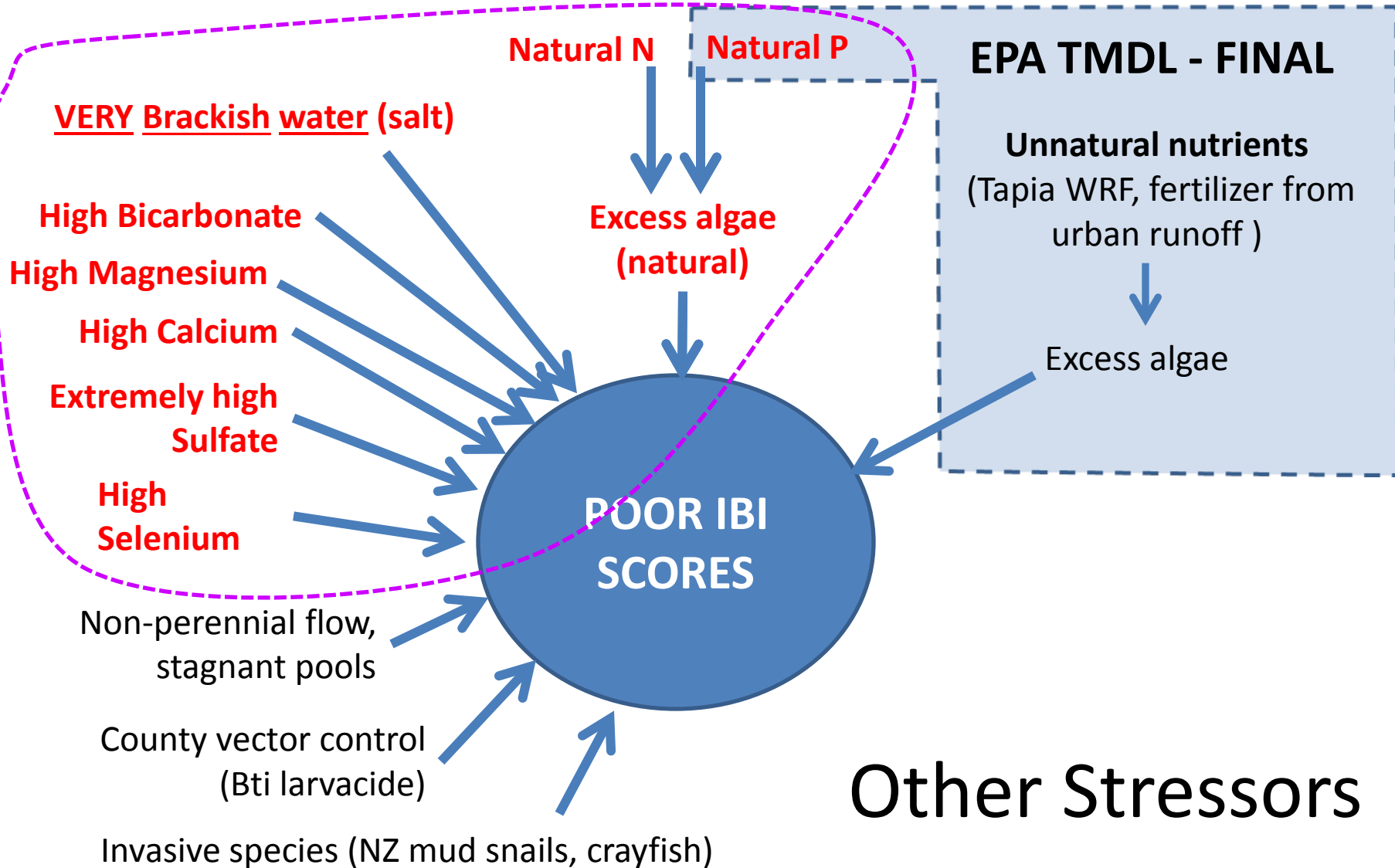


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2. Unique Characteristics





Other Stressors

Non-Perennial Flow



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3. TMDL Has Been Rushed

- 06/04/2010 – SWRCB approved 303(d) listing

DECISION ID	17209	Region 4
Malibu Creek		
Pollutant:	Benthic-Macroinvertebrate Bioassessments	
Final Listing Decision:	List on 303(d) list (TMDL required list)	
Last Listing Cycle's Final New Decision		
Listing Decision:		
Revision Status	Revised	
Sources:	Source Unknown	
Expected TMDL	2021	←
Completion Date:		
Impairment from	Pollutant	
Pollutant or Pollution:		

- 09/01/2010 – Consent Decree modified to include TMDL
- 03/23/2011 – U.S. EPA approved 303(d) listing
- 12/12/2012 – Draft TMDL released by U.S. EPA
- 07/02/13 – TMDL Issued
- SWRCB – Policies for nutrients and biological objectives



4. The 2003 Nutrient TMDL

- There is an existing TMDL for this purpose.
- Intended to address impairment for nutrients (algae).
- 2003 TMDL has not been fully implemented.



5. Cost of Compliance

- Estimated Capital Cost
 - 2005: \$160 million (w/o brine disposal)
 - 2013: \$307 million (w/brine disposal)
- Estimated Annual O&M Cost
 - 2005: not estimated
 - 2013: \$23.5 million
- Implications
 - \$8,150 per customer (pay-go), or
 - 167% increase in sanitation rates (~\$182 per bill)



Proposed Next Steps

1. Support and participate in additional studies to close the data gaps.
2. Continue to work with the U.S. EPA and Los Angeles RWQCB for a more thorough evaluation of the problem.
3. Pursue opportunities to increase demand for recycled water.
4. Seek support and funding for seasonal storage of recycled water.
5. Keep customers informed of the progress.
6. Advocate watershed-wide management approach.



Legal Actions

- March 2013 – Petition to Intervene in Consent Decree
- Sept. 2013 - Petition for Declaratory Injunctive Relief



What You Can Do

- Remain engaged in the discussion and encourage your neighbors to do the same.
- Participate in important watershed group meetings.
- Sign up for a tour of the watershed and your wastewater facilities.
- Visit to lvmwd.com and trunfosanitation.com.
- Write to your state and federal elected officials to express your thoughts, ideas and concerns.

