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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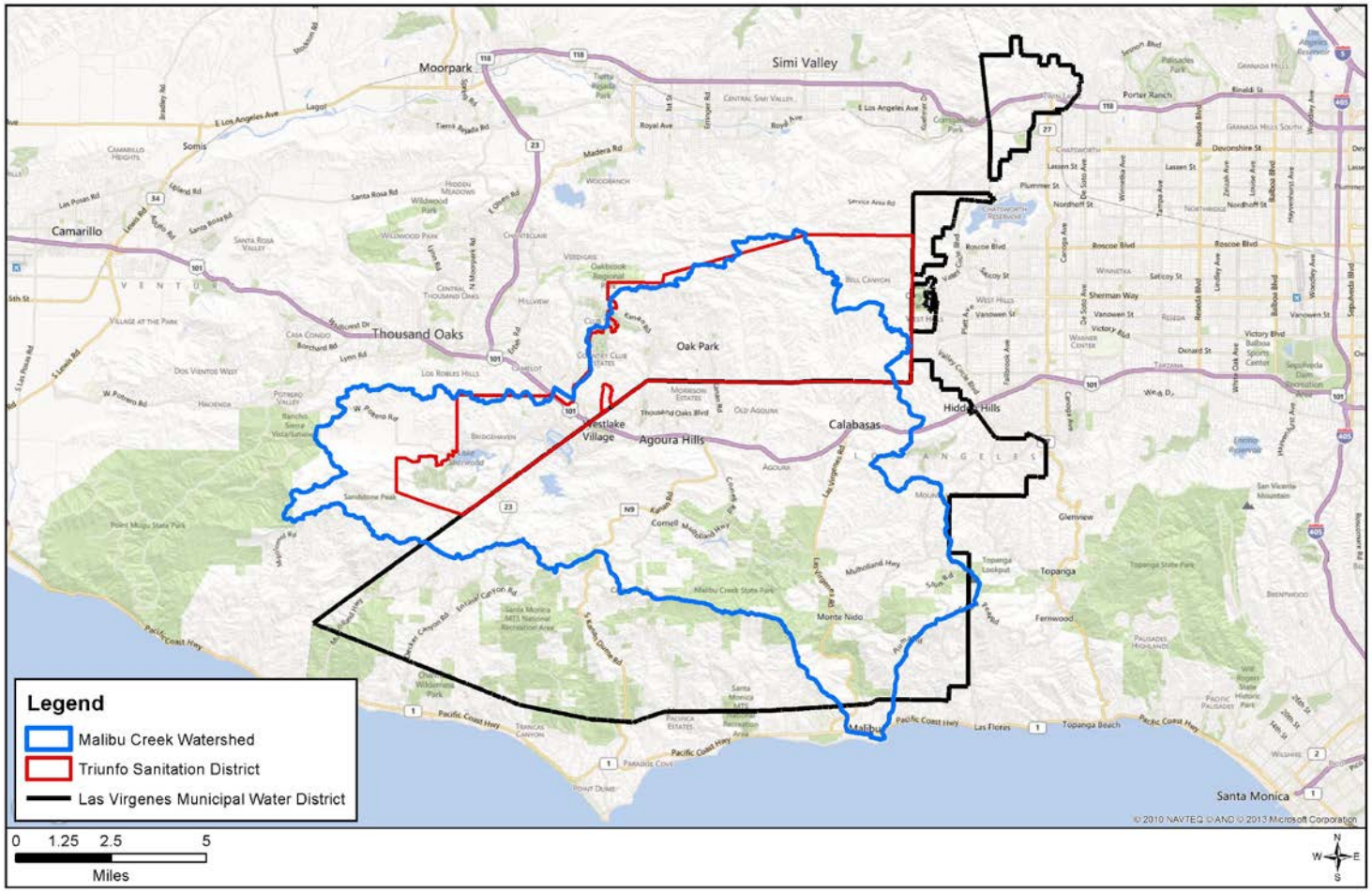
Administering Agent/General Manager

About the Joint Powers Authority



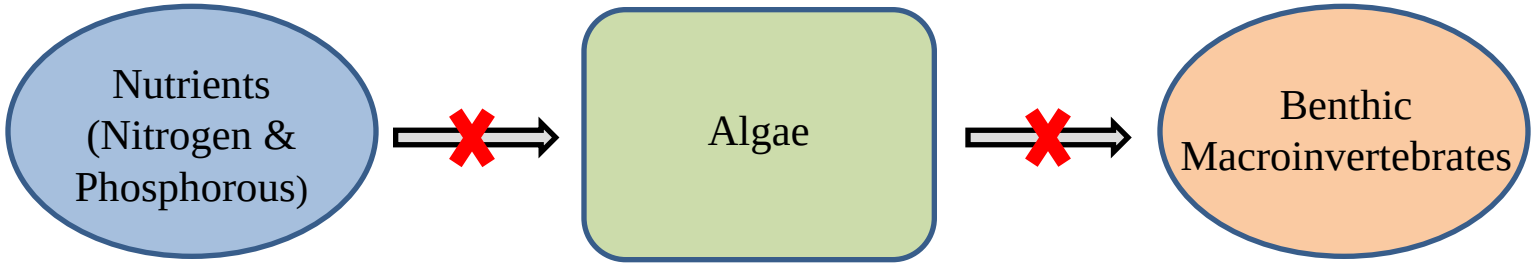
JPA Accomplishments

1. Water Recycling
   - 60% of wastewater flow reused in the community
2. Composting
   - $50M facility to treat 100% of the biosolids locally, eliminating impact to 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 that algae will be reduced in the receiving water bodies.
2. Natural characteristics of Malibu Creek Watershed have largely been dismissed.
3. TMDL is being rushed to meet an arbitrary deadline at the expense of scientific rigor and stakeholder input.
4. An existing 2003 Nutrient TMDL has not been fully implemented.
5. Cost of compliance is estimated to be $307 million in capital and $23.5 million annually for O&M.

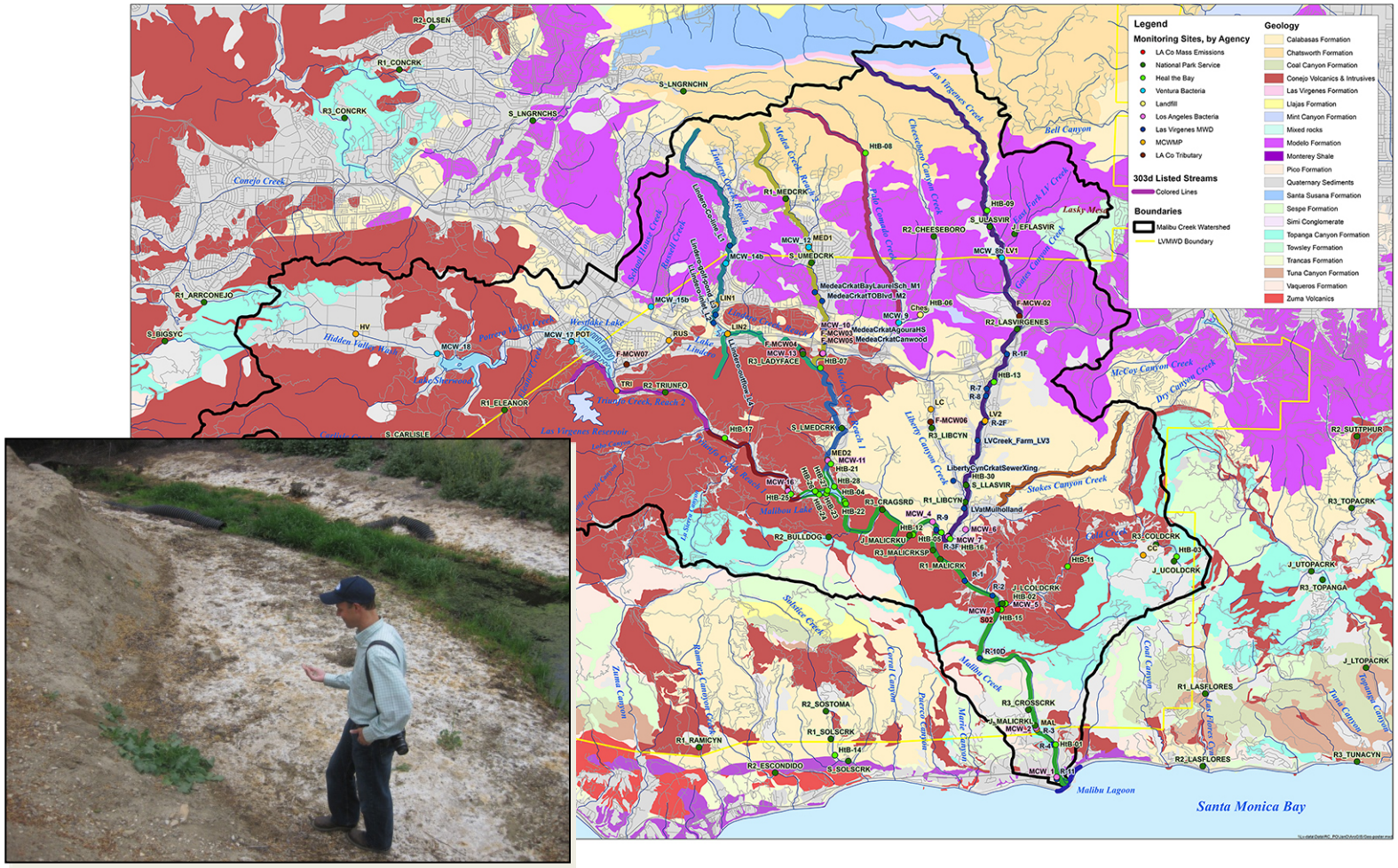
1. Inadequate Evidence

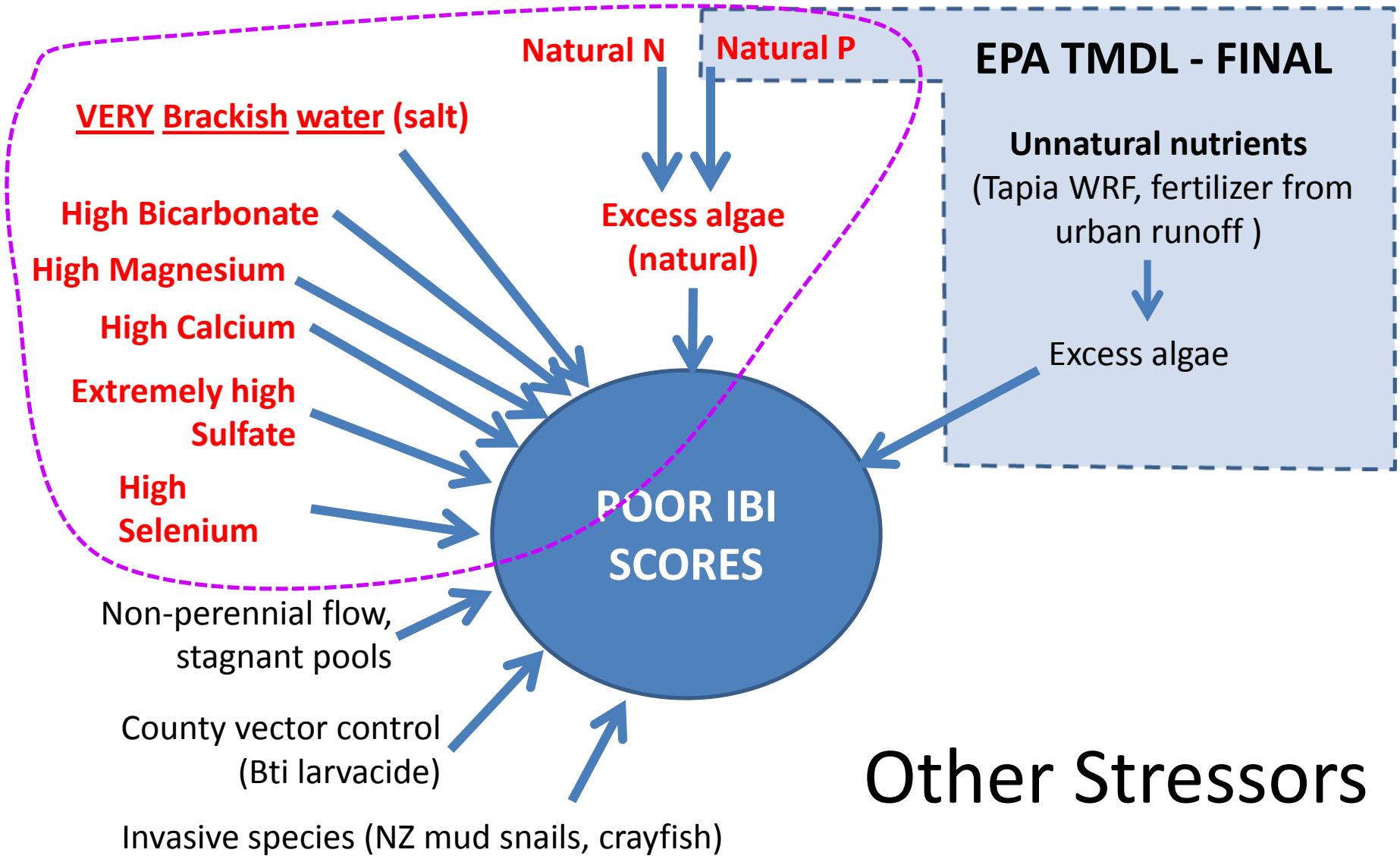


- No positive correlation has been shown between nutrient levels and algal coverage.
- No evidence is provided that algae growth can be controlled by limiting nutrients.
- There is as much algae upstream of Tapia as downstream.

Las Virgenes Creek Restoration Project – City of Calabasas

2. Unique Characteristics





Other Stressors

Non-Perennial Flow

3. TMDL is Being 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 Listing Decision:	New Decision	
Revision Status	Revised	
Sources:	Source Unknown	
Expected TMDL Completion Date:	2021	
Impairment from Pollutant or Pollution:	Pollutant	

- 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
- SWRCB – Policies for nutrients and biological objective still underway

4. Existing 2003 Nutrient TMDL

- There is an existing TMDL to reduce algae.
- The TMDL has had little or no impact on algae.
  - It has not been fully implemented.
  - Natural background nutrient levels are supporting algae growth.

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: $22 million
  - 2013: $23.5 million
- Implications
  - $8,150 per customer (pay-go), or
  - Will approximately triple (3x) sanitation bills

Proposed Next Steps

1. Complete the science necessary before acting on the TMDL.
2. Support additional studies to close the data gaps and improve scientific understanding.
3. Continue to work with the U.S. EPA and Los Angeles RWQCB.
4. Pursue opportunities to increase demand for recycled water.
5. Seek support and funding for seasonal storage of recycled water.
6. Keep customers informed of progress.
7. Advocate watershed-wide management approach.

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 triunfosanitation.com.
- Write to your state and federal elected officials to express your thoughts, ideas and concerns.