

# North Coast Consortium - quagga, zebra mussel prevention



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# Overview

- About the mussels - Presented by Catherine Mandella, California Department of Fish and Game
- North Coast prevention planning
- Implementing Consortium
- Model of success
- Cooperative MOU
- Requested Commission Actions



# Quagga and Zebra Mussel Sightings Distribution in California, 2007- 2011

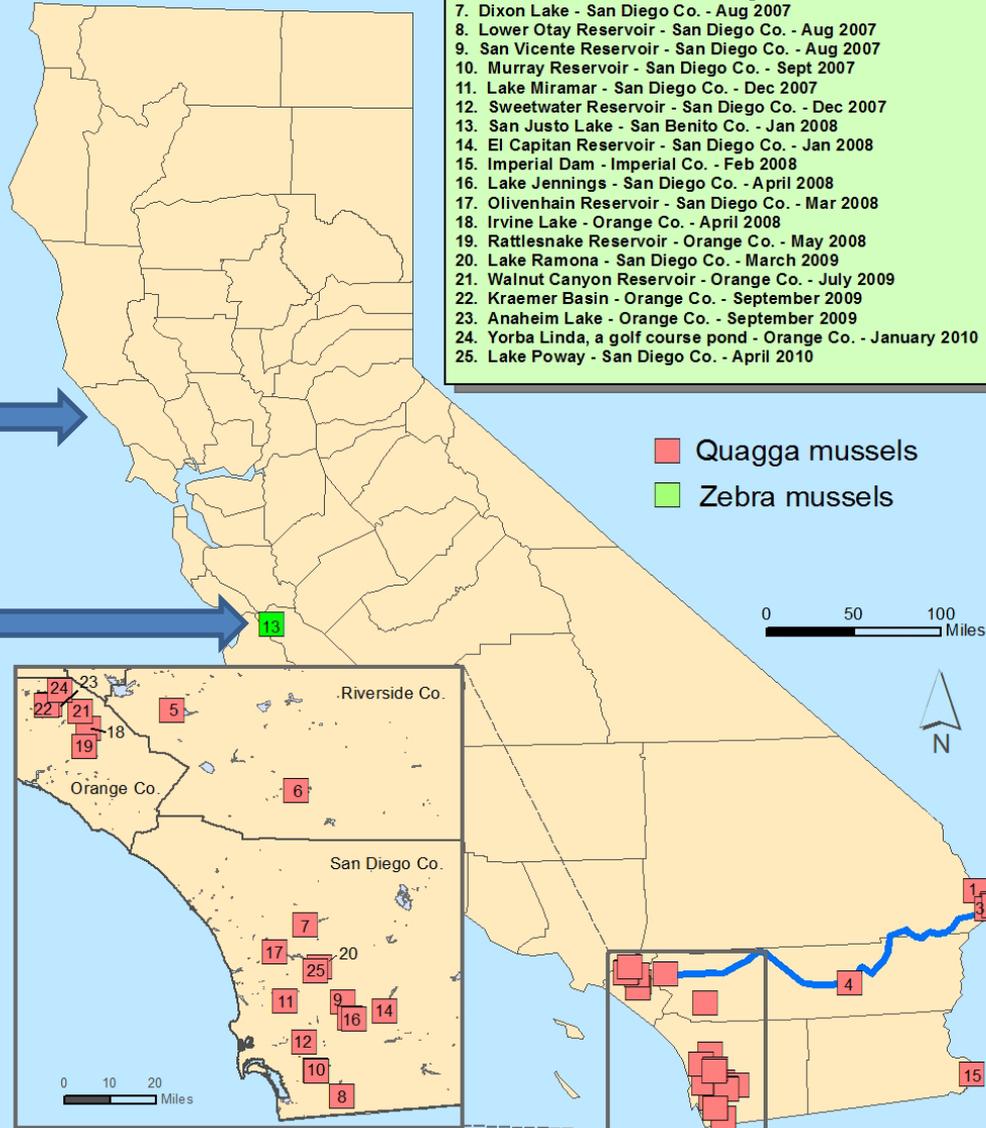
## LOCATIONS

1. Lake Havasu - San Bernardino Co. - Jan 2007
2. Colorado River - Parker Dam - San Bernardino Co. - Jan 2007
3. Copper Basin Reservoir - San Bernardino Co. - Mar 2007
4. Colorado River Aqueduct - Riverside Co. - July 2007
5. Lake Matthews - Riverside Co. - Aug 2007
6. Lake Skinner - Riverside Co. - Aug 2007
7. Dixon Lake - San Diego Co. - Aug 2007
8. Lower Otay Reservoir - San Diego Co. - Aug 2007
9. San Vicente Reservoir - San Diego Co. - Aug 2007
10. Murray Reservoir - San Diego Co. - Sept 2007
11. Lake Miramar - San Diego Co. - Dec 2007
12. Sweetwater Reservoir - San Diego Co. - Dec 2007
13. San Justo Lake - San Benito Co. - Jan 2008
14. El Capitan Reservoir - San Diego Co. - Jan 2008
15. Imperial Dam - Imperial Co. - Feb 2008
16. Lake Jennings - San Diego Co. - April 2008
17. Olivenhain Reservoir - San Diego Co. - Mar 2008
18. Irvine Lake - Orange Co. - April 2008
19. Rattlesnake Reservoir - Orange Co. - May 2008
20. Lake Ramona - San Diego Co. - March 2009
21. Walnut Canyon Reservoir - Orange Co. - July 2009
22. Kraemer Basin - Orange Co. - September 2009
23. Anaheim Lake - Orange Co. - September 2009
24. Yorba Linda, a golf course pond - Orange Co. - January 2010
25. Lake Poway - San Diego Co. - April 2010

We are here



Nearest mussels two hours away

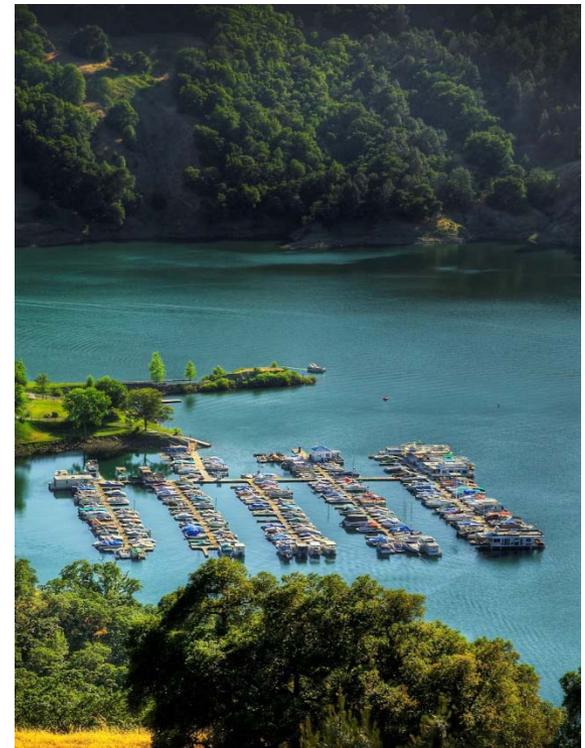


Data Sources: California Dept. of Fish and Game, City of San Diego Water Authority, Imperial Irrigation District, Helix Water District, Irvine Ranch Water District, National Park Service.  
Map produced by the U.S. Geological Survey, May 24, 2011.



# North Coast Prevention Planning

- No regional prevention plan currently exists
- Region currently relying on local prevention plans
  - Lake County (Clear Lake)
  - Humboldt Bay Municipal Water District (Ruth Lake)
- No prevention plan/program at Lake Sonoma or Lake Mendocino



# North Coast Consortium

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- Provide guidance to water district, recreation managers
- Promote mutual goal of prevention
- Provide best practice guidelines
- Consortium members agree to implement guidelines to promote coordinated prevention effort in region
- Seek funding as a region



# Model of Success

- **Bay Area Consortium**
  - **MOU with 10 water districts, local governments**
  - **Coordinated prevention plan**
  - **Supported by California Department of Fish and Game**
  - **Funding generation and support**



# Prevention Plan Outline

- **Method and Risk Of Spread**
- **Impacts**
- **Vulnerability and Risk Assessment**
- **Prevention - Controlling Vectors**
- **Public Education And Outreach**
- **Reservoir Monitoring**
- **Funding**



# Next Steps

- Seek signatories to MOU (Draft provided)
- Adopt coordinated prevention plan (Draft provided)
- Establish Commission Ad hoc
  - Funding
  - Public outreach
- Update Commission at next meeting



# Questions?



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