

Solano Project - Invasive Species

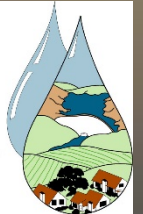
Watershed Information Center & Conservancy

November 21, 2013



Chris Lee
Principal Water Resources Specialist

SOLANO COUNTY
WATER AGENCY



Eurasian Mussel Species



Zebra Mussels (*Dreissena polymorpha*)



Quagga Mussels (*Dreissena rostriformis bugensis*)

Invasive Species Monitoring



Survey Sites

- Lake Berryessa
- Monticello Dam
- Putah Creek IDR
- Lake Solano
- Putah Diversion Dam
- Putah South Canal
- Sweeney Creek
- Green Valley Creek
- Terminal Reservoir

Quagga Mussel Environmental Needs

Constituent	Optimal Level	Lake Berryessa
Calcium	12-28 mg/L	19.2 (Moderate)
pH	7.4-9.5	8.3 (High)
Total Phosphorous	5-50 ug/L	7.8 (Low)
Secchi Depth	0.1-8 m	5.3 (Low)
Dissolved Oxygen	3-8 mg/L	-
Mean Summer Temp.	6-32 C	20.7 (High)
Conductivity	30-110 us/cm	320 (High)

Jan 2008 - San Justo Reservoir – Zebra Mussels



Early Detection Eurasian Mussel Plan

FINAL DRAFT

Early Detection & Education Plan for Eurasian Mussels



SOLANO PROJECT

Solano County Water Agency
810 Vaca Valley Parkway, Suite 203
Vacaville, CA 95688

February 27, 2012

Lake Berryessa

Challenges/Opportunities

- Multi-Jurisdictional
- Multi-Purpose
- Access Points
- Partnerships
- Education
- Funding

Questions?

