

Prevention Program Elements

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Quagga and Zebra Mussel
Water Agency Summit



Prevention Programs FGC § 2302



Quagga and Zebra Mussel Prevention

- Program Elements
 - Vulnerability Assessment
 - Monitoring
 - Public Education
 - Management of Recreation



Vulnerability Assessment



Risk Factors

- Recreational use
 - Boating
 - Fishing/tournaments
- Water access
 - Marinas
 - Number of boat ramps
- Nearby infestations



Vulnerability Assessment



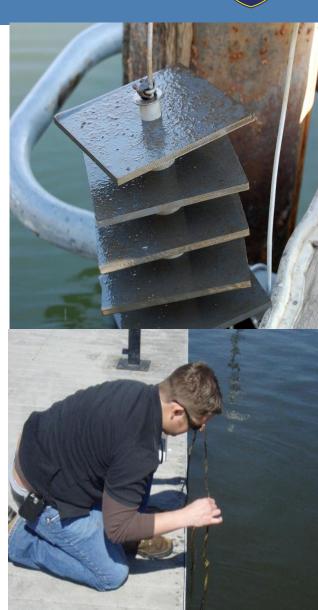
Risk Factors

- Water Quality Parameters
 - Calcium
 - pH
 - Mean Summer Temperature
 - Dissolve Oxygen
 - Salinity
- For further assistance in determining vulnerability consult with the Department's Regional Scientist

Monitoring



- Early Detection Monitoring
 - Visual Surveys
 - Substrates
 - Plankton Tows
- Sample Analysis and Identification
 - UC Davis Bodega Marine Laboratory
- Decontamination
 - Protocols



Public Education



Posters and Rack Cards



DON'T MOVE A MUSSEL!

Quagga/zebra mussels

ruin boats and destroy waters

DON'T LET THEM RIDE WITH YOU!

Watercraft and equipment can move quagga and zebra mussels from infes waterbodies to uninfested waterbod If spread, these mussels can:

- Encrust boat hulls, clog cooling systems steering equipment
- Alter aquatic ecosystems, resulting in fe native species and sportfish
- Litter beaches with sharp, foul smelling s
- Clog water distribution systems, result



YOU CAN STOP THEM! For more information 866-440-9530 www.dfg.ca.gov/invasives/quaggamuss

DON'T SPREAD **INVASIVE SPECIES**

You can prevent the spread of quagga and zebra mussels using this checklist every time you exit a waterbody:

- ✓ Inspect all watercraft and equipment
- ✓ Clean any visible mud. plants, fish or animals from watercraft and equipment
- ✓ Drain all water, including from lower outboard unit, ballast, live-well, buckets, etc.
- ✓ Dry all areas
- ☑ Dispose of debris and live bait in the trash





Management of Recreational Activities



- Uniform Minimum Protocols
 - Levels I, II, III
- Trainings
 - Watercraft Inspection
 Trainings Level I and II
- Shore Fishing
- Gear Cleaning
- Live Bait



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