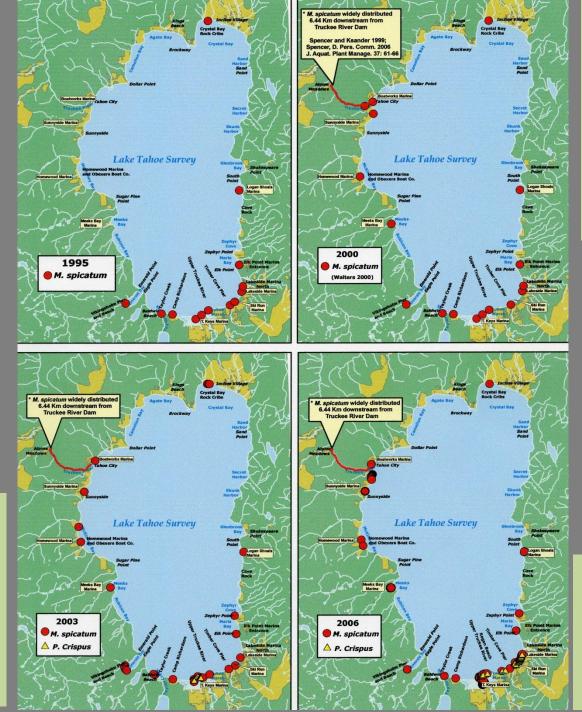
## Effectiveness of Aquatic Invasive Plant Control In Emerald Bay, Lake Tahoe

Dan Shaw – CA State Parks Zach Hymanson – CA Tahoe Conservancy Kim Boyd – Tahoe RCD Tamara Sasaki – CA State Parks

#### <u>1995</u> 13 milfoil sites many of which were small and sparse

Slide Credit: Lars Anderson

2003 *P. crispus* Curly-leaf Pondweed Detected-Roughly 1 sparse acre



2000 Milfoil filled in south shore and spread along west shore and for 4 miles down Truckee River

2006 14 curly-leaf sites milfoil spreading rapidly in Emerald Bay

#### Eurasian watermilfoil (Myriophyllum spicatum)

1995 – First Discovered in Emerald Bay
2000 – Few Plants
2003 – Approximately 1 Acre
2010 – Well over 3 Acres of Milfoil

Photo: Zach Hymanson

#### **Emerald Bay milfoil infestation**

2011//07// 19 Photo :Doug Freeland A.C.E

Floating fragments colonize unvegetated substrate

#### Challenges to working in Emerald Bay

### Recreation

7019 RJ

### **Project Area**

# Vikingsholm

Avalanche

Parson's Rock



Approximate infestation area boundaries

100 meters

Underwater transects to measure treatment effectiveness



# **Benthic Barriers**

Swimming Barriers into place

Photo: Jim Brockett

#### Barriers don't work in hard to reach places, but suction removal does

Photo: Jim Brockett

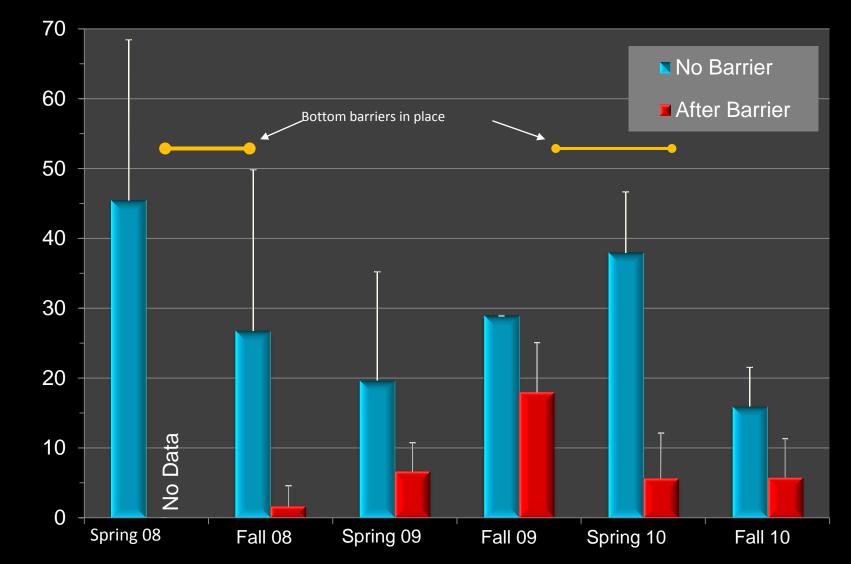




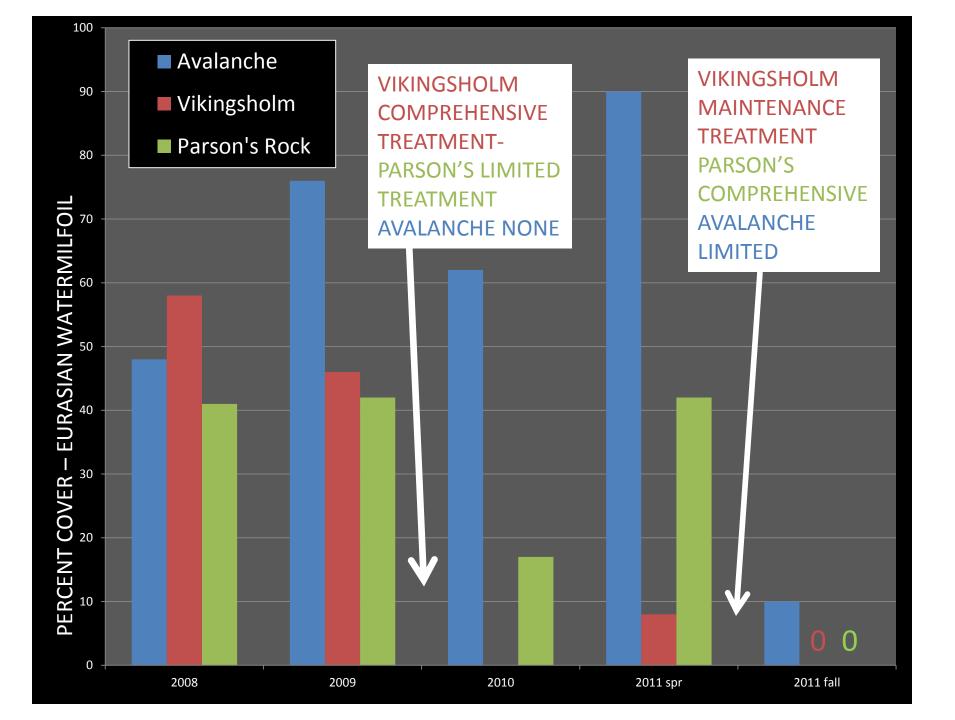


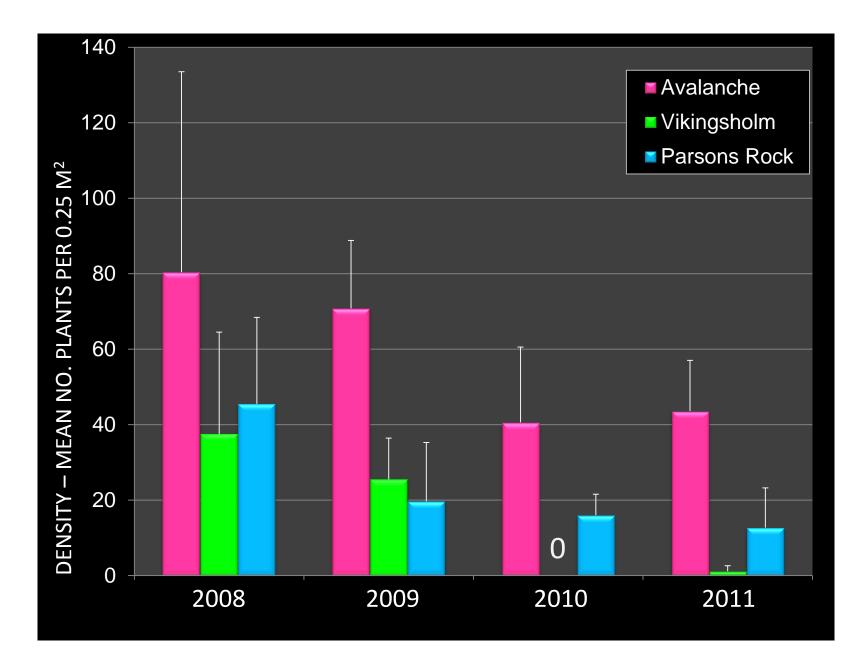


#### EWM Densities at Parsons Rock Site



Mean No. of Shoots per 0.25m<sup>2</sup>





Comprehensive treatment of all Invasive Aquatic Weeds in Emerald Bay is within our reach in 2012

# Questions?

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