

**2009 Tahoe yellow cress Annual Survey Summary**  
**9.30.09**

- 47 sites occupied- same as 2004/05, the highest number ever recorded
- 27,500 stems
- 2,064 leaf samples collected for UNR
- 60 of the 61 named sites were surveyed (not ELK Point)
- 14 potential new sites surveyed
- Survey boundaries for named sites were extended
- A new occupied site was identified on the property south of Edgewood (previously un-surveyed).
- Newly exposed low water beaches on the west shore were occupied and included in tallies for Emerald Bay and DL Bliss State Parks
- 28 people participated- representing 10 agencies and 3 private firms
- Over 8,000 person minutes
- 47% of occupied sites under private or mixed ownership

Detection Probability and survey method

- Detection probability at 14 parcels at Lighthouse = 100%
- Detection probability at 17 parcels at Tahoe Keys= 82.4% (TYC missed on 3 parcels)
- Detection probability at Lighthouse and Tahoe Keys via kayak or walking in the water = 3% ( beach is too steep, only detected on large TKPOA parcel)
- Detection probability at Blackwood south via kayak or walking in the water = 7.6% ( plants in back beach depression, only detected 1 cluster of plants that was only 5m from waterline)
- False detection rate at Blackwood S = 15.4% (misidentified TYC on 2 parcels)