



# Lake Tahoe East Shore Asian Clam and Metaphyton Delineation and Control

<b>Project Number</b>	04.01.01.0171		
<b>Action Priority</b>	Conduct Applied Scientific Research		
<b>Implementers</b>	UC Davis Tahoe Environmental Research Center		
<b>Supporting Agencies</b>	Nevada Tahoe Resource Team – Nevada Division of State Lands, UC Davis Tahoe Environmental Research Center		
<b>Primary Contact</b>	Katie Senft (kjsenft@ucdavis.edu)		
<b>Stage</b>	Post-Implementation	<b>Duration</b>	2022 - 2024
<b>Total Project Cost</b>	\$101,790	<b>Funding Request</b>	\$0

## Science Program > Conduct Applied Scientific Research

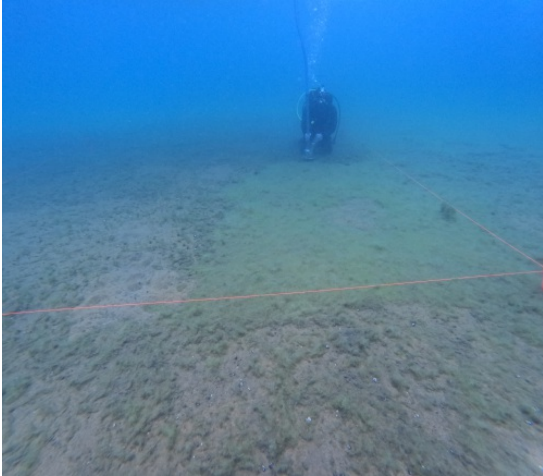
The expanse of non-native Asian clam populations with the concurrent appearance of metaphyton (unattached algae) along Lake Tahoe’s east shore beaches has become an increasing concern. Due to the high nutrient concentrations from clam excretions and their stimulatory effect on algal growth, nuisance algae is starting to accumulate underwater and on beaches having negative aesthetic impacts. Five beaches were surveyed in summer 2023, using SCUBA and UAV imagery, to delineate the extent and density of Asian clams and any associated metaphyton growth. A metaphyton removal pilot study to determine the effectiveness of removing metaphyton algae before contaminating beaches was conducted.

### Targeted Performance Measures

- Acres of Invasive Species Inventoried

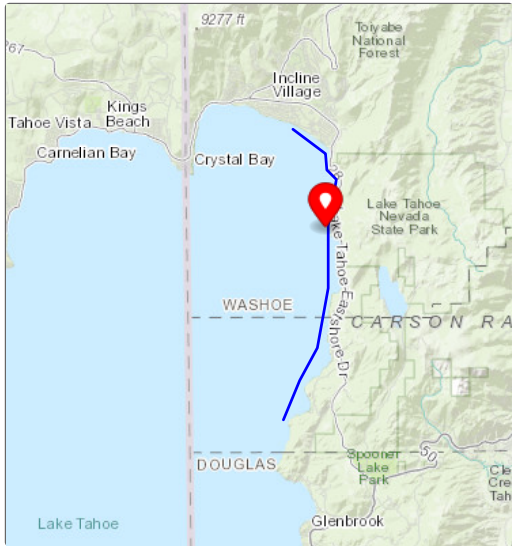
### Threshold Categories

- Recreation
- Water Quality



Diver using an underwater suction device to remove metaphyton off plants bed near Lakeside Beach and Marina.

### Location



### Targeted Funding

■ Secured Funding: Lake Tahoe License Plate Prog... (NDSL), \$69,822
■ Secured Funding: UC Davis Tahoe Environmental ... (TERC), \$31,968

## Photos

### During



UC Davis research diver removes metaphyton from Tahoe's lake bed using surface supported suction removal device.

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Project Fact Sheet Data as of 06/26/2024