



2017 SOUTHEAST LAKES SURVEY

Photos courtesy of the Alaska Department of Environmental Conservation

DEC partnered with the UAA Alaska Center for Conservation Science, Tongass National Forest, Environmental Protection Agency, National Park Service, Klawock Cooperative Association, Organized Village of Kake, Ketchikan Indian Community, and local communities to survey 37 lakes in Southeast Alaska.

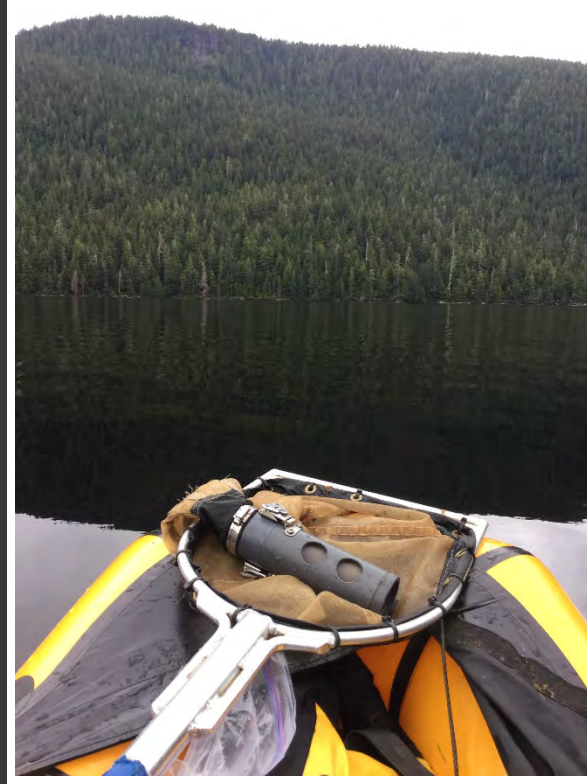




Most lakes were accessed by float plane, some were road accessible

Crew members were assembled into two teams. One team focused on habitat assessment and benthic macroinvertebrate collection. The second team collected water, sediment, fish and zooplankton samples.



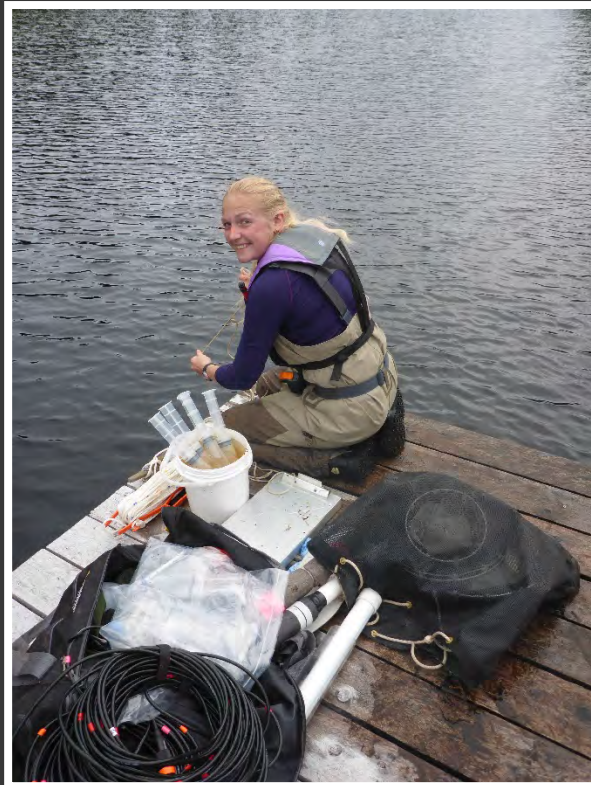


Habitat crew members worked from packrafts to collect samples and data from 10 evenly spaced plots around the lake. They recorded a variety of descriptive habitat variables including fish habitat, riparian habitat type and percent cover, macrophyte type and coverage, and human influences.



Habitat Crew members collected benthic macroinvertebrates from each station.

The index crew collected samples from a deep point of the lake. They deployed zooplankton nets, took a sediment core, obtained a water column profile, collected samples for water chemistry, chlorophyll and other analyses.





Minnow traps were set at each lake to collect fish for identification and analysis of metals.



Index site crew members collected water samples for chlorophyll-a, dissolved organic carbon, nutrients, pesticides, algal toxins, and metals.



This project would not have been possible without an incredibly hard working field crew from UAA, DEC.

Thank you to all our partners!

- U.S. Forest Service
- Environmental Protection Agency
- Alaska Department of Environmental Conservation
 - Environmental Health Lab
 - Fish Tissue Monitoring Program
- Glacier Bay National Park
- University of Alaska Anchorage – Alaska Center for Conservation Science
- Ketchikan Indian Community
- Klawock Cooperative Association
- Central Council of Tlingit and Haida
- Alaska Department of Fish and Game
- City of Haines
- City of Thorne Bay

