2014 Spring Update: LACL

Lichen Inventory and Vegetation Monitoring

From June through September, the SWAN vegetation crew will survey forest monitoring sites in LACL. In July, SWAN will collaborate with specialists from North America and Europe on a lichen inventory in forest and alpine habitats across the park. The six-member team will be collecting lichens in the forests near Lake Clark and Portage Lake, in the alpine near Turquoise Lake, Slope Mt, and Saddle Mt., and along the coastline of Chinitna Bay.

Freshwater Monitoring

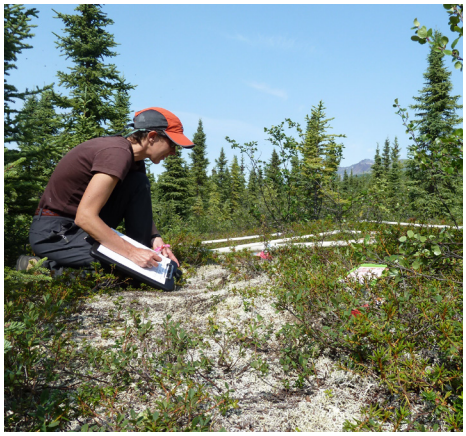
The SWAN freshwater field crew will make three trips to LACL during the 2014 field season. During the first and last trips, in May and September, the crew will visit two temperature arrays in LACL to download data loggers and perform annual maintenance. The crew will also visit the outlet of Kijik Lake in May and September to set up a new site for discharge and water level monitoring. In July, the crew's second trip to LACL will focus on monitoring core water quality parameters - temperature, pH, dissolved oxygen, specific conductivity, and turbidity at 17 lakes by vertical profile sampling. These parameters also will be measured hourly at the outlet of Lake Clark from May through September.

Recent Publications

Chuck Lindsay. 2014. SWAN Climate Monitoring Annual Report (2013).

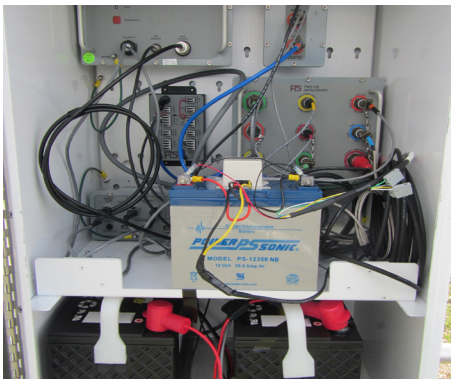
flickr YouTube

March 2014
http://science.nature.nps.gov/im/units/swan/



Surveying vegetation in a lichen-rich forest near Two Lakes. Photo: M. Shephard, NPS

Monitoring water quality with a multi-parameter sonde at the Lake Clark outlet. Photo: J. Nelson, NPS.



Inner workings of the Snipe Lake Remote Automated Weather Station Station. Photo: C. Lindsay, NPS.

All dates are flexible and subject to change based on weather and other conditions

2014 SWAN Field Plans

May

Bald Eagle Nest Monitoring
Dates: Two Surveys, Early and Late May
Contacts: Tammy Wilson, Buck Mangipane

Chigmit Mountains Weather Station Maintenance
Dates: May 19 - 30, TBD
Contact: Chuck Lindsay

Water Quality Monitoring- Temperature Arrays and Surface Hydrology- Water Level Discharge
Dates: May 19 - 30
Contact: Krista Bartz, Dan Young

June

Climate Station Removal/Maintenance
Dates: June 7 - 10 (TBD, 2 days)
Contact: Chuck Lindsay

Vegetation Monitoring
Dates: June 9 -July 14
Contacts: Amy Miller, James Walton

July

Bald Eagle Productivity Monitoring
Dates: Late July
Contact: Tammy Wilson, Buck Mangipane

Lichen Inventory
Dates: July 9 - 20
Contacts: James Walton, Amy Miller

Water Quality Monitoring: Vertical Lake Profiles
Dates: July 14 - 31
Contact: Krista Bartz, Dan Young

August

Precipitation Gauge Installation - Telaquana Lake
Dates of field work: August 28 - September 2
Contact: Chuck Lindsay

Vegetation Monitoring
Dates: August 23 - September 3
Contact: Amy Miller, James Walton

September

Vegetation Monitoring
Dates: September 8-12
Contacts: Amy Miller, James Walton

Water Quality Monitoring- Temperature Arrays and Surface Hydrology- Water Level Discharge
Dates: September 22 - October 3
Contact: Krista Bartz, Dan Young