



Alagnak

Aniakchak

Katmai

Kenai Fjords

Lake Clark

2016 Spring Update: LACL

Marine Nearshore Monitoring

A nearshore crew will collect bivalves along the coast of LACL to be used for genetic and physiological analysis for the Changing Tides project. The crew will be stationed in the Silver Salmon cabin and be transported to the intertidal sites by the M/V Chigmit. We look forward to this new project as an opportunity to learn more about this unique coastline.

During the first low tide in June, a multi-agency crew will be working along the coasts of LACL and KATM in continuation of a BOEM-funded project assessing nearshore coastal resources. Partners include UAF, CIRCAC, NOAA, and BOEM.



Freshwater Monitoring

The freshwater field crew will make three trips to LACL this field season. In May and September, the crew will visit temperature arrays in Lake Clark and Kijik Lake to download data loggers and perform annual maintenance. They will visit the outlets of these lakes to measure discharge and install or remove water level loggers. In July, the

crew will focus on monitoring water quality parameters at 31 lake sites by vertical profile sampling.

Finally, the crew will conduct two short-term projects this summer: one to quantify drivers of mercury in lake trout and another to measure water temperature in habitats used for sockeye salmon spawning and rearing.



Weather/Climate Monitoring

In mid-July SWAN's physical scientist will visit Chigmit Mountains to maintain the weather station and repair the riming and snow load damage that occurred this year due to exceptionally heavy snowfall. In late July, we will service Silver Salmon and Snipe Lake, as well as Port Alsworth and Stoney, in cooperation with our radio shop. We will also complete the installation of soil moisture and temperature sensors at Port Alsworth and work with NRCS to install them at Telaquana. These measurements will enhance the use of SWAN data for monitoring the impact of a changing climate on LACL ecosystems, both regionally and globally, through the use of satellite data.

2016 SWAN Field Schedule

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

May

Bald Eagle Surveys-Nest Initiation
Dates: May 9 - 13, 23 - 27
Contact: Tammy Wilson

Freshwater Monitoring
Dates: May 23 - June 3
Contact: Krista Bartz, Dan Young

June

Marine Nearshore Monitoring-BOEM
Dates: June 1 - 8
Contact: Heather Coletti

Vegetation Monitoring
Dates: June 21 - August 7
Contact: James Walton, Amy Miller

July

Marine Nearshore Monitoring-Changing Tides
Dates: July 1 - 6, M/V Chigmit
Contact: Heather Coletti, Benjamin Pister

Freshwater Monitoring
Dates: July 11 - 29
Contact: Krista Bartz, Dan Young

Lake Trout Mercury Project
Dates: July 18 - 22
Contact: Krista Bartz, Dan young

Climate Station Maintenance
Chigmit Mountains (helicopter)
Dates: July 22 - 26 (1 day)
Contact: Peter Kirchner

Nunatak Monitoring (helicopter)
Dates: July 25 - 27
Contact: James Walton, Amy Miller

Bald Eagle Surveys-Productivity
Date: TBD; late July
Contact: Tammy Wilson

August

Climate Station Maintenance
Silver Salmon, Snipe Lakes,
Port Alsworth, Stoney
Dates: July 27 - August 7
Contact: Peter Kirchner

September

Freshwater Monitoring
Dates: September 12 - 23
Contacts: Krista Bartz, Dan Young