



Alagnak

Aniakchak

Katmai

Kenai Fjords

Lake Clark

2013 Spring Update: KEFJ

Nearshore Marine Work Along Coast

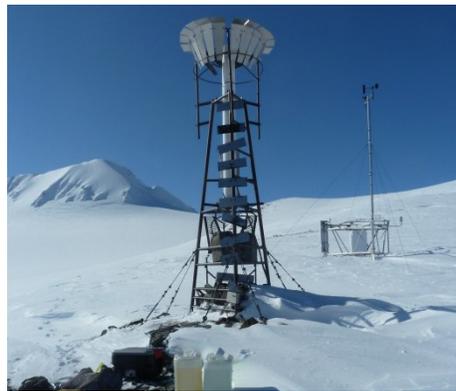
In March, a winter marine bird and mammal survey will occur, weather permitting. A second trip will happen in June with support from the M/V Serac and will consist of collecting the full suite of nearshore monitoring data. Vital signs that fall under the marine nearshore are water chemistry, algae and sea grass, invertebrates, marine birds, black oystercatchers and sea otters. These vital signs essentially encompass various components of the nearshore food web.



Rocky intertidal monitoring site, Kenai Fjords

Snow, Ice, and Bud-burst!

Park and network staff will head up to the Harding Icefield in late April to maintain the Harding Icefield weather station. They'll ski back down Exit Glacier collecting winter snow accumulation measurements along the way in support of the park's glacier mass-balance monitoring. A phenocam will be set up at the Exit Glacier SNOTEL site to monitor the timing of leaf-out and senescence in an alder and cottonwood early seral forest.



Harding Icefield automated weather station
Data at raws.dri.edu/cgi-bin/wea_daysum.pl?akAHAR

Coastal Vegetation Monitoring to begin

This season SWAN vegetation staff will be developing protocols and establishing sites to monitor tree demography (recruitment, growth, mortality) in late-successional coastal Sitka spruce – mountain hemlock forests. With support from the M/V Serac, monitoring sites will be established in Nuka Bay, Harris Bay, and Aialik Bay. Data collected will provide a range of park-specific information related to coastal coniferous forest properties and processes.



A phenocam, like this one at Contact Creek in Katmai, will be set up to monitor vegetation phenology near Exit Glacier. More at phenocam.sr.unh.edu

2013 SWAN Field Plans in Kenai Fjords

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

March

Winter Marine Bird Survey
March 16-19 (completed)
Contact: Heather Coletti, Laura Phillips

April

Harding Icefield: Phenocam set up, mass balance work, Exit Glacier SNOTEL
Dates: April 22 - May 3
Contacts: Chuck Lindsay, Deb Kurtz

May

Bald Eagle Nest Monitoring
Dates: May 6-8
Contacts: Tammy Wilson, Laura Phillips

McArthur Pass Weather Station Maintenance
Dates: May 20-June 7
Contact: Chuck Lindsay, Deb Kurtz

June

Marine Nearshore Monitoring
Dates: June 19-June 28
Contact: Heather Coletti, Laura Phillips

July

Sea Otter Counts: Aerial Surveys
Dates: July (TBD)
Contact: Heather Coletti, Laura Phillips

August

Pederson Lagoon Climate Station Maintenance and Site Inspection at Fire Cove
Dates: August 5-9
Contact: Chuck Lindsay, Deb Kurtz

Vegetation Monitoring
Dates: August 13 - 20
Contacts: Amy Miller, James Walton, Christina Kriedeman

Soils Inventory
Dates: August 18 - 21
Contacts: Parker Martyn, Sharon Kim

Recent Publications

Chuck Lindsay. 2013. SWAN Climate Monitoring Annual Report (2012). IRMA # 2194064

Heather Coletti. 2013. Nearshore Marine Monitoring Report (2011).

