



**Alagnak**

**Aniakchak**

**Katmai**

*Kenai Fjords*

*Lake Clark*

# 2013 Spring Update: KATM

## Lichen Inventory, Vegetation Monitoring

In July, the SWAN vegetation crew will establish new forest monitoring sites in KATM. Later in the month, SWAN will collaborate with specialists from Oregon State University, Universität Graz (Austria) and University of Bergen (Norway) on a lichen inventory in forest, woodland and alpine habitats across the park. Supported by the park aviation program, the six-member team will be collecting lichens in the forests near Brooks Camp and Lake Coville, in the alpine near Hammersly Lake, Mirror Lake, and on the ridges above Contact Creek, among other areas. As part of the inventory, the team will revisit an area where a globally-endangered lichen, *Erioderma pedicellatum*, was found in 2009.



*Erioderma pedicellatum*, a globally endangered lichen (Photo: J. Walton, NPS)

## Nearshore Marine: New Pilot Study

The annual trip to KATM will occur within the first two weeks of July and will consist of collecting the full suite of nearshore monitoring data. An additional component to the usual nearshore monitoring activities will be the initiation of a pilot study to gather baseline information on juvenile salmon use of three nearshore habitat types (eelgrass, kelp and non-vegetated) along the coast of KATM. Additionally, this project will produce an inventory of fish species using the selected habitat types, information that is lacking and of interest to park managers. This project is funded by the Ocean Alaska Science and Learning Center (OASLC).



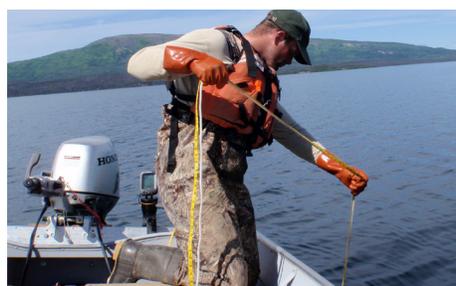
A salmon jumps out of the water on the coast near Katmai national Park and Preserve (Photo: K. Mueller, FWS)

## Recent Publications

Tammy Wilson and Claudette Moore. 2013. A Review of Lake Vertical Profile Monitoring in SWAN, IRMA # 2193310

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

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



Collecting a depth measurement for vertical profiling (NPS photo)

## 2013 SWAN Field Plans in Katmai

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

### May

Bear Den Monitoring  
Dates: May 13 - June 1  
Contacts: Tammy Wilson, Troy Hamon

Fourpeaked Weather Station Maintenance  
Dates: May 20-June 7  
Contact: Chuck Lindsay

Bald Eagle Nest Monitoring  
Dates: May 8 - 10  
Contact: Tammy Wilson, Troy Hamon

Lichen Inventory  
Dates: May 23 - 28  
Contact: James Walton, Carissa Turner

### June

Contact Creek, Coville, and Pfaff Mine Weather Stations Maintenance  
Dates: June 10 - 14  
Contact: Chuck Lindsay

Nearshore Marine Monitoring  
Approximate Dates: July 3 - 14  
Contact: Heather Coletti, Carissa Turner

### July

Bald Eagle Productivity Monitoring  
Dates: late July  
Contacts: Tammy Wilson, Buck Mangipane

Vegetation Monitoring  
Dates: July 2 - 18  
Contact: Amy Miller

Lichen Inventory  
Dates: July 25 - Aug 2 (second trip of season)  
Contact: James Walton

Water Quality and Lake Profile Sampling  
Dates: TBD, late July - early August  
Contacts: Michael Shephard, Troy Hamon

### September

Contact Creek Climate Station Removal Site Inspection (Three Forks)  
Dates: Sept 9 - 13  
Contact: Chuck Lindsay

