News and information about Alaska Region Office of Science Applications and LCCs.

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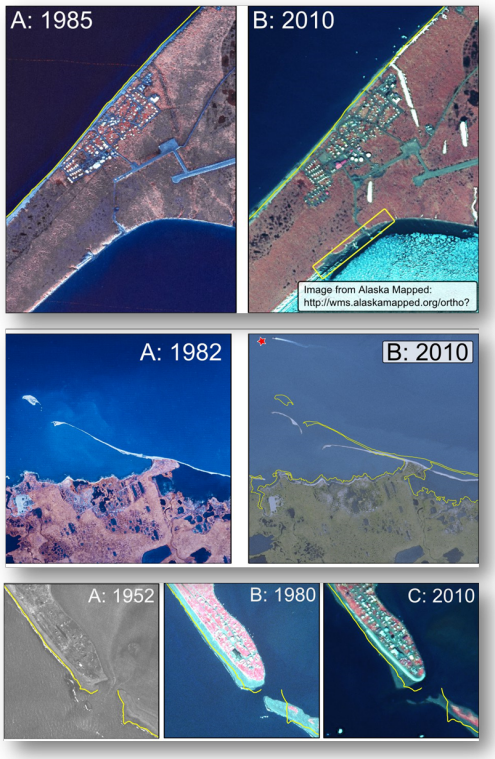
August Contest Results

We recieved several good submissions for Photos. Laurel Devaney and David Payer Receive top honors from the partial panel of two for the following photos. An announcement will be made once these are posted to the Climate Change website with accompanying information.

September Contest



Here are three sets of pictures showing landscape differences over several decades. Can you name the locations? What differences do you see?
Hint (and larger image!) available at the Arctic LCC Facebook page

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Submit your Answer here!

NPLCC Improves Region's Ability to Adapt to Changing Environment at 5th Annual Northwest Climate Science Conference

Earlier this month, NPLCC staff and a number of NPLCC-funded researchers attended the 5th Annual Northwest Climate Science Conference in Seattle, Washington. Top scientists, managers and decision makers from around the region were in attendance with over 440 total participants.

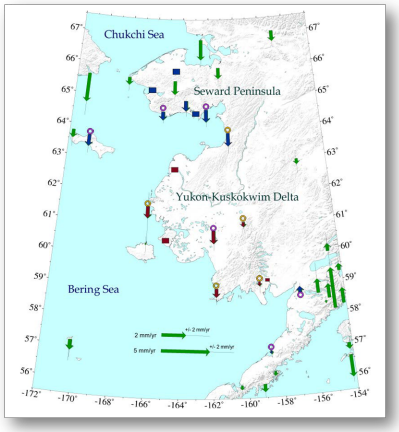
This two-day conference showcased plenary and breakout sessions focused on topics like hydrology & water resources, terrestrial & aquatic ecosystems, built environment, shorelines, oceans & marine ecosystems, human health, working across boundaries, and more. Washington State Governor Inslee also spoke at the conference encouraging scientists to be ambassadors for their work and focus on communication of science. Five NPLCC-funded projects were presented including:

- *Applying Vulnerability Assessment Tools to Plan for Climate Adaptation: Case Studies in the North Pacific LCC*, presentation by Julia Michalak, University of Washington
- *Identifying and Synthesizing Climate Change Effects, Adaptation Approaches, and Science Opportunities in the NPLCC's Terrestrial Ecosystems*, presentation by Patricia Tillman of EnviroIssues (formerly National Wildlife Federation)
- *Mapping Pacific Northwest Riparian Areas: Measuring Current Condition And Prioritizing For Climate Change Adaptation*, presentation by Meade Krosby, University of Washington's Climate Impacts Group
- *NPLCC Conservation Planning Atlas*, poster presentation by Tom Miewald, NPLCC Data Coordinator
- *Correlation and climate sensitivity of human health and environmental indicators in the Salish Sea*, presentation by Larry Campbell, Swinomish Indian Tribe and Eric Grossman, USGS

The conference marked a successful and enthusiastic sharing of science, and networking opportunities for scientists and managers from around the region. For further details on the conference and to learn more about the NPLCC projects that were featured, read the full article here.

Western Alaska LCC

Is the Ocean Rising, or the Land Subsiding? New Map Shows Whether Sites in Western Alaska are Uplifting or Subsiding



As part of the Western Alaska LCC-funded Reoccupation of Tidal Benchmarks, a new Vertical Velocity Map is available. This map shows whether select benchmark sites in western Alaska are exhibiting uplift or subsidence. It will be updated with 2014 field data in the next several months—check back soon! Thanks go to Kimberly Tweet and Jeff Freymueller (UAF) and Nicole Kinsman (Alaska DGGS) for this exciting work.

Northwest Boreal LCC

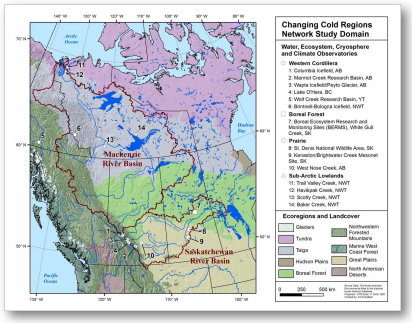
New 'Changing Cold Regions Network' Integrates Water, Ecosystem, Cryosphere and Climate Observations

Aleutian & Bering Sea Islands LCC

Over 1,250 Readers Flock to ABSI LCC's Informative & Accessible Flipboard Magazines

What is Flipboard? Flipboard is your personal magazine. Or in this case, Flipboard is ABSI's personal magazines - three of them, to be exact. The ABSI LCC Staff curates magazines on Climate Change in Alaska, the Aleutian Islands, and Sea Ice. These magazines contain stories and images from across the web that can be browsed and read through an app (for smartphones and tablets) or a web browser (computers). The content is delivered and organized on demand in a custom, magazine-like layout.
Check out the magazines here.

Not enough information you say? ABSI LCC also has a Twitter feed.



The Changing Cold Regions Network (CCRN) is a new collaborative research network bringing together the unique expertise of a team of over 50 university and government scientists. CCRN's objectives are to integrate existing and new sources of data with improved predictive and observational tools to understand, diagnose and predict interactions amongst the cryospheric, ecological, hydrological, and climatic components of the changing Earth system at multiple scales, with a geographic focus on Western Canada's rapidly changing cold interior. Focused field research activities under CCRN take place at a suite of key Water, Ecosystem, Cryosphere and Climate (WECC) Observatories, which are distributed across western and northern Canada. Many sites are within the Northwest Boreal LCC.

Arctic LCC

Arctic LCC's "Throwback Thursday's" Strike a Chord with Rural Residents

In the first month since its unveiling, the Arctic LCC's Facebook page has accumulated nearly 260 'likes'. Most popular among posts are weekly pictures from various locations in the Arctic, showing changes over the course of a couple decades. ALCC Science Coordinator, Philip Martin elaborated on the posts' popularity: "In the fast-changing Arctic, very visible changes to communities and landforms are occurring within our lifetimes -- we may be vaguely aware of those changes, but 'then and now' photos make it crystal-clear and convincing."

Upcoming Opportunities

Funding

Notice of Funding Availability - Community-based Marine Debris Removal
Proposals due: 11/17/14

NSF Arctic Research Opportunities
Full Proposal Deadline: 10/21/2014

Webinars

Extensive Mapping of Coastal Change in Alaska by Landsat Time-series Analysis, 1972-2013 -- **A Part of the Alaska-based LCCs Webinar Series!**
Tues. 9/30/14 12pm AKDT

A Guide to Tools for Landscape Conservation Planning by Patrick Crist & Kat Maybury of NatureServe
Tues. 10/21/14 10-11am PDT

Exploring weir alternatives: graduated-field fish guidance technology
Mon. 10/27.14 10-11:30am AKDT

What's New in Alaska Region Science?

Jacobson, C.A. & Haubold, E.M. (2014) *Landscape Conservation Cooperatives: Building a Network to Help Fulfill Public Trust Obligations.* Human Dimensions of Wildlife: An International Journal. 19(5), 427-436
http://dx.doi.org/10.1080/10871209.2014.942760

Wilson, R.R., Horne, J.S., Rode, K.D., Regehr, E.V., & Durner, G.M. (2014) *Identifying Polar Bear Resource Selection Patterns to Inform Offshore Development in a Dynamic and Changing Arctic.* Ecosphere. In Press.
Contact Ryan Wilson for more information

We would like to feature your recent publications and/or datasets here! If you have something you'd like to bring to a larger audience, please contact: brett_parks@fws.gov**.**

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