

Alaska Cooperative Fish and Wildlife Research Unit

• Annual Research Review •

Wednesday, March 26, 2014

109 Butrovich, Regents' Boardroom

Talks (AM)

- 8:20 Opening remarks by Brad Griffith, Unit Leader
- 8:30 Tyler Lewis: Effects of wildfires on nutrients, primary productivity, and wildlife of boreal lakes—a multi-trophic perspective
- 8:50 Kirsty Gurney: Climate, wetland invertebrate communities, and breeding birds
- 9:10 Mark Miller: Estimating effects of climate and land cover on settlement patterns of mid-continent breeding waterfowl in the U.S. and Canada
- 9:30 Heather Craig: Site and mate fidelity in Smith's Longspurs

9:50–10:25 Break

- 10:30 Nina Hansen: Microbial infection as a source of embryo mortality in Greater White-fronted Geese (*Anser albifrons*) on the Arctic Coastal Plain of Alaska
- 10:50 Lindsay VanSomeren: Monitoring digestibility of forages for caribou: A new application for an old approach
- 11:10 Stephanie Meggers: Factors influencing Chinook salmon spawning distribution in the Togiak River, Alaska
- 11:30 Kurt Heim: Seasonal movement and habitat use of Arctic grayling in a beaded stream on the Arctic Coastal Plain

12:00 Lunch and Poster Session

Posters

- Adam DuBour: Feeding ecology of Lesser Scaup ducklings in the boreal forest of Alaska: An examination of a trophic mismatch
- Jeff Falke: Chena River basin landscape-scale freshwater physical habitat studies (2013-2016)
- Kevin Fraley: Development and calibration of bioelectric impedance analysis as a measure of energetic status of Arctic grayling (*Thymallus arcticus*)
- H el ene Genet: Modeling the effect of wildfire on permafrost vulnerability, vegetation succession, and carbon balance in an Alaskan boreal forest
- Erin Julianus: Moose habitat dynamics on the Kanuti National Wildlife Refuge.
- Mark Lara: Characterization and change detection of a lowland boreal forest landscape exposed to permafrost thaw
- Sarah Laske: Influence of fish and surface water connectivity on arctic freshwater food webs in a changing climate
- Dana Nossov: Vulnerability of permafrost to fire-initiated thaw in lowland forests of the Tanana Flats, Interior Alaska
- Brian Robinson: Chick provisioning and nutritional quality of Black Oystercatcher prey
- Colin Tucker: Changing terrestrial ecosystem services associated with a warming cryosphere in Arctic Alaska
- Yujin Zhang: Modeling thermokarst dynamics in Alaska ecosystems: Description of the predisposition and initiation/expansion modules

1:30 Cooperators' Business Meeting