

Alaska Cooperative Fish and Wildlife Research Unit

• Annual Research Review •

Tuesday, March 29, 2016

109 Butrovich, Regents' Boardroom

Talks (AM)

- 8:20 Opening Remarks by Brad Griffith, Unit Leader
8:30 Jennifer Roach: Effects of Changing Lake Size on Waterfowl Species Richness
8:50 Brad Griffith: Implications of Climate Warming for Caribou Forage and Population Sizes
9:10 Mark Lara: Thermokarst Rates Intensify Due to Climate Change and Forest Fragmentation in an Alaskan Boreal Forest Lowland
9:30 John Organ, Chief, Cooperative Research Units Program: Dynamic Foraging Decisions of Black Bears Preying on Caribou Calves in Newfoundland

9:50–10:30 Break

- 10:30 Morgan Sparks: Predicting Sockeye Salmon Hatch Timing by Incorporating Natural Variability into an Existing Model
10:50 Allison Matter: Estimating the Distribution of Juvenile Chinook Salmon Using Habitat Modeling and eDNA in an Interior Alaska River Basin
11:10 Phil Joy: Seasonal and Landscape Patterns of Marine-Nutrient Assimilation in Rearing Coho and Chinook Salmon in the Unalakleet River, Western Alaska
11:30 Erik Schoen: Environmental and Food-Web Processes Influencing Juvenile Chinook Salmon in Alaska: Insights from the Yukon, Susitna, and Kenai River Basins

12:00 Lunch and Poster Session

Posters

- Matt Albert: Seasonal Movements of Northern Pike (*Esox lucius*) in Minto Flats, Alaska
- Megan Boldenow: Are Winter Conditions Driving Population Trends in Semipalmated Sandpipers (*Calidris pusilla*)? Evidence from a Corticosterone Biomarker.
- Chelsea Clawson: Chandalar River Chum Salmon (*Oncorhynchus keta*) Riverscape-scale Salmon Habitat Assessment and Monitoring
- Jeff Falke: Habitat Use and Spatial Patterns of Spawning Sockeye Salmon (*Oncorhynchus nerka*) in Groundwater-fed Ponds, Bristol Bay, Alaska
- Graham Frye: Temporal Variation in Willow Ptarmigan Detectability: Research and Management Implications
- Jess Grunblatt: Role of Perception in Determining Adaptive Capacity: Communities Adapting to Environmental Change.
- Trevor Haynes: Seasonal Assemblages and Foraging Ecology of Lagoon Fishes along the Chukchi Sea
- Ben Meyer: Spatial and Temporal Patterns of Growth and Consumption in Juvenile Chinook and Coho Salmon in Three Geomorphically Distinct Sub-basins of the Kenai River
- Kristin Neuneker: Distribution and Movement Rates of Chinook Salmon (*Oncorhynchus tshawytscha*) in the Stikine River Based on Radio Telemetry
- Eric Torvinen: Lake Trout (*Salvelinus namaycush*) Otoliths as Biochronological Indicators or Recent Climate Patterns in Arctic Lakes

1:30 Cooperators' Business Meeting