Alaska Cooperative Fish and Wildlife Research Unit

• Annual Research Review •

Wednesday, April 10, 2019

Elvey Building

(Geophysical Institute)

Talks (AM) – Elvey 214, Auditorium

8:20 Opening Remarks by Jeff Falke, Acting Unit Leader

8:30 Donnie Arthur – Reproductive Life History and Spawning Potential Modeling of Yelloweye Rockfish in Prince William Sound and the Northern Gulf of Alaska

8:50 Jason Leppi – Ecological Implications of Climate Change for Fishes and Fisheries of Arctic Alaska

9:10 Ben Meyer – Implications of Shifting Water Temperature Regime for Growth of Juvenile Chinook and Coho Salmon in Three Geomorphically Distinct Sub-Basins of the Kenai River

9:30 Joelle Hepler – Validating a GPS Collar-based Method to Estimate Calving Locations and Parturition Rates in the Porcupine Caribou Herd

9:50–10:30 Break

10:30 Elyssa Watford – Energetic Impacts of Storm Surges to Pacific Common Eiders along the Arctic Coastal Plain

10:50 Iris Cato – Morphological, Physiological, and Genomic Variation among Arctic and Subarctic *Carex*

11:10 Amy Breen – Co-producing Knowledge: The Integrated Ecosystem Model for Resource Management in Arctic Alaska

11:30 Heather Greaves – Developing an Integrated Modeling Framework to Assess the Impact of Thermokarst Disturbance on Ecosystem Services in the Boreal Region

12:00 Poster Session – Elvey 215, Globe Room

- Stephen Klobucar – Integrating at the Interface(s): Modeling the Effects of Fire and Climate Change to Support Management and Conservation of Fish Habitat and Populations in Alaskan Boreal Forests
- Elizabeth Hinkle – The Effects of Fire Disturbance on Stream Fish Community Structure, Site Fidelity, Life History, and Genetic Relatedness in Boreal Stream Ecosystems
- Olivia Edwards – Juvenile Chinook Salmon (*Oncorhynchus tshawytscha*) Movement, Overwinter Survival, and Outmigration Timing in the Chena River, Alaska
- Jason Leppi – Diverse Foraging Niches and Habitat Use by Broad Whitefish *Coregonus nasus* in Arctic Alaska
- Deanna Klobucar – Gaging the Importance: Characterizing Hydrologic Regimes of Headwater Streams in Changing Boreal Ecosystems