

Alaska Cooperative Fish and Wildlife Research Unit  
**Annual Research Review — Wednesday, March 25, 2009**  
Regents' Boardroom, 109 Butrovich Building, UAF

8:20 a.m. Opening remarks by Joe Margraf, Unit Leader

### **Talks**

- 8:30 Jonathon Gerken: Identification and characterization of inconnu spawning habitat in the Sulukna River, Alaska
- 8:50 Meagan Krupa: Urban stream management: interdisciplinary assessment of an Alaskan salmon stream
- 9:10 Dan Rinella: The relationship between spawning salmon abundance and the fitness of stream-dwelling fishes, Kenai Peninsula, Alaska
- 9:30 Elizabeth Markley: Do drifting invertebrates from fishless headwaters affect fish downstream?
- 9:50 Todd Brinkman: Building resilience into deer hunting systems in southeast Alaska
- 10:10 - 10:40 Break
- 10:40 Jennifer Roach: Heterogeneity in climate-related surface water area change in interior Alaska
- 11:00 Teri McMillan: Smith's longspur ecology: studies in the Brooks Range, Alaska 2006 through 2008
- 11:20 Emily Weiser: Effects of a change in garbage management on glaucous gull diet at Barrow, Alaska
- 11:40 River Gates: Experimental clutch removal and re-nesting ecology in an arctic breeding shorebird, dunlin

### **12:00 Lunch and Poster Session**

#### **Posters**

- GIS and remote sensing: ideal for salmon research at -40°F!  
Lisa South, Amanda Rosenberger, Anupma Prakash, Joe Margraf
- A comparison of multi-scale habitat models for black terns  
Valerie Steen, Abby Powell
- The ecology of juvenile Chinook salmon in the Chena River  
Megan Perry, Jason Neuswanger, Emily Benson, Elizabeth Markley, Laura Gutierrez, Mark Wipfli, Nick Hughes, Matt Evenson
- An isotopic approach to measuring nitrogen balance in caribou: the Chisana herd  
Dave Gustine, Perry Barboza, Layne Adams, Rick Farnell, Wendy Nixon, Kathy Parker
- Sampling techniques for Prince of Wales spruce grouse in Southeast Alaska  
Aleya Nelson, Mark Lindberg
- Stock characteristics of inconnu in the Sulukna River, Alaska  
David Esse, Joe Margraf
- The effect of soil moisture and ice content on the thermal conductivity of organic soil horizons underlain by discontinuous permafrost  
Jon O'Donnell, Vladimir Romanovsky, Jennifer Harden, Kenji Yoshikawa, and A. David McGuire

### **1:30 Cooperators' Business Meeting**