

**LCCMR Climate Change I & II**  
**Mini-symposium**  
February 21, 2009 10 am – 5 pm  
Natural Resources Research Institute, Duluth, MN

(Rm 435 #218-720-4241, L. Johnson #218-591-6598, J. Olker #218-428-0234)

**Agenda**

*February 21 Saturday*

- 10:00           Arrival at NRRI
- 10:00 – 10:15 Welcome and introductions
- 10:15 - 11:00 (Kenny Blumenfeld) Climate Tool tutorial
- 11:00 -11:10 (Dick Skaggs & Kenny Blumenfeld) Past & Future Climate
- 11:10 – 11:30 (Virginia Card) Ice-Out Records
- 11:30 - 12:00 (Ray Newman & Kristal Schneider) Fish Trends in Lakes with Long Records & Walleye Spawning Response to Ice-Out and Climate
- 12:00 – 12:45 BREAK (lunch)
- 12:45 – 1:30 (Heinz Stefan & Tim Erickson) Stream Flow Trends in Minnesota and Relationship to Climate & Lake Level and Lake Evaporation Response to Climate in Minnesota
- 1:30 – 2:00 (Rich Axler) Minnesota Lake Trends (analysis & website)
- 2:00 – 2:20 (Lucinda Johnson/Jennifer Olker/Dan Breneman) Trends in Fish Communities and Traits
- 2:20 – 2:30 (Patrick Welle & Rabi Vandergon) Progress report on economic analysis
- 2:30 – 2:45       BREAK
- 2:45 – 3:45     Discussion: Completing Phase I
- 3:45 – 4:30     Discussion: Phase II progress and future directions
- 4:30– 5:00     Discussion: Interactions with other programs (i.e. SLICE)

## **Participants**

### *Natural Resources Research Institute*

Lucinda Johnson  
Rich Axler  
Elaine Ruzycski  
Jennifer Olker  
Norm Will

### *St. Anthony Falls Laboratory*

Heinz Stefan  
Tim Erickson

### *Department of Geography*

Dick Skaggs  
Kenny Blumenfeld

### *Department of Fisheries, Wildlife, and Conservation*

Ray Newman  
Kristal Schneider

### *Metropolitan State University, St. Paul*

Virginia Card

### *Bemidji State University, Bemidji*

Patrick Welle  
Rabi Vandergon

### *MN Department of Natural Resources*

Don Pereira

### *MN Pollution Control Agency*

Ed Swain