

**Climate Change in Southeast Alaska – Informing Sustainable Management of
Water Resources and Anadromous Fisheries
April 12-15, 2016
Westmark Baranof Hotel, Juneau, Alaska**

Tuesday, April 12th Informal Social – 5:30 pm Bubble Room at Baranof Hotel

Wednesday, April 13th DAY 1 Climate Workshop

Treadwell Conference Room – Foundational Presentations to All Attendees

7:30 – 8:00 am Coffee and Networking

8:00 – 8:30 am Welcome

- Welcome and Introductions – Julianne Thompson, USFS and Nicole McMurren, Facilitator
 - Frances Houston and Rosa Miller, Dipper House of the Auk Kwaan
 - Earl Stewart, Forest Supervisor, Tongass National Forest
 - Richard Peterson, President, Central Council Tlingit Haida Indian Tribes of Alaska
 - Mary Mahaffy, North Pacific Landscape Conservation Cooperative

8:30 – 10:00 am Keynote Presentations – Climate Models, Local Perspectives

- SE Alaska Climate Change Overview – Julianne Thompson/Michael Goldstein and others, USFS
- Downscaled climate change projections for Southeast Alaska and considerations for use in modeling, management, and planning – Jeremy Littell, Alaska Climate Science Center
- At the Edge of the Wide Water: Southeast Alaska Climate and Pacific Ocean Variability – Rick Thoman, National Weather Service
- Traditional and Subsistence Perspectives – Eli Hanlon, Subsistence User and Commercial Fisherman, Yakutat, Alaska

BREAK 10:00 – 10:30 am

10:30 am – 12:00 pm Keynote Presentations – Planning, Monitoring, Collaboration

- Alaska Monitoring and Assessment Program and Future Monitoring in Southeast Alaska 2017-2020 – Amber Bethe, Alaska Dept. of Environmental Conservation
- Working Together to Collect Environmental Data in Transboundary Waters – Terri Lomax, Alaska Dept. of Environmental Conservation
- Developing a Regional Monitoring Network -- Lessons from around Alaska – Sue Mauger, Cook Inletkeeper
- Southeast Alaska Tribes Approach to Adaptation Planning –Raymond Paddock, Central Council Tlingit Haida Indian Tribes of Alaska
- USFS Approach to Adaptation Planning – Julianne Thompson, USFS

Wednesday, April 13th DAY 1 Climate Workshop

LUNCH 12:00 – 1:30 pm (on your own)

Treadwell Conference Room – Foundational Presentations to All Attendees

1:30 – 5:00 pm Workgroup Themes – Foundational Presentations & Discussion

- Workgroup Overview and Anticipated Outcomes – Julianne Thompson, USFS

Streamflow & Watershed Classification – Allison Bidlack, Alaska Coastal Rainforest Center and David D'Amore, USFS Pacific Northwest Research Station

- Overview of Runoff Models – Janet Curran, US Geological Survey
- Regression Approaches to Discharge Modeling, Janet Curran, US Geological Survey
- Runoff Modeling for the Gulf of Alaska Region – Dave Hill, Oregon State University
- Applications of Discharge Models to Climate Impacts – Colin Shanley, The Nature Conservancy
- Session Wrap-up/Breakout Session Reminder

BREAK 3:10 – 3:40 pm

Freshwater Temperature – Scott Harris, Southeast Alaska Watershed Coalition and Eran Hood, University of Alaska Southeast

- Overview of Auke Creek Climate Related Studies; How Long term Monitoring Can Help Us Understand Local Adaption – John Joyce, NOAA
- Heterogeneous Climate Change Impacts Are Anticipated at Salmon Spawning Sites on the Copper River Delta: Implications for Natural Resource Managers Across Coastal Alaska – Luca Adelfio, USFS Chugach National Forest
- Spatiotemporal Analysis of Historical and Future Climate Effects on Stream Temperatures in Southeast Alaska – Sanjay Pyare, University of Alaska Southeast

4:55 – 5:00 Day 1 Wrap-up

Evening Social 5:00 – 7:00 Sponsored by the Alaska Coastal Rainforest Center and Trout Unlimited

- 5:00 pm No host bar and poster set-up
- 5:30 pm Poster Session and appetizers
- 6:00 pm Presentation: Glacial Isostatic Rebound and Lower River-Estuary Environments in Southeast Alaska: Habitat Winners and Losers in the Context of Rising Sea Levels – Lee Benda and Daniel Miller, Terrain Works

Thursday, April 14th Day 2 Climate Workshop

7:30 – 8:00 am Coffee and Networking

Treadwell Conference Room – Foundational Presentations to All Attendees

8:00 – 11:30 am Workgroup Themes Continue – Presentations and Discussion

- Recap Day 1/Share overview for Day 2 – Julianne Thompson, USFS

Freshwater Temperature – Scott Harris, Southeast Alaska Watershed Coalition and Eran Hood, University of Alaska Southeast – Presentations Continued

- Linking Landscape Characteristics and Stream Temperature in the Coastal Temperate Rainforest of Southeast Alaska – Michael Winfree, UAS
- Alaska Stream Temperature Community: Data Storage, Harvesting and Dissemination – Ryan Toohey, USGS
- Session Wrap-up/Breakout Session Reminder

Anadromous Fish and Habitat Ecology – Gordon Reeves, USFS Pacific Northwest Research Station and Sheila Jacobson, Tongass National Forest

- Climate Change and the Freshwater Habitats of Pacific Salmon on the Tongass National Forest – Gordon H. Reeves, USFS PNW Research Station, Corvallis, Oregon
- More than the Sum of the Parts: Integrating Nature's Complexity into Climate Change Impact Assessments for Pacific Salmon – J. Ryan Bellmore, USFS Pacific Northwest Research Station, Juneau, Alaska

BREAK 10:00 – 10:30 am

- Predicting the Response of Salmon Spawning Habitat to Changing Hydrologic Regimes in the Salmon Forests of Southeast Alaska – Matthew Sloat, Wild Salmon Center
- Some Observations on Climate Effects on Salmon Populations in Southeast Alaska Based on Multi-decadal Monitoring of Selected Populations and Fisheries – Leon D. Shaul, ADF&G Commercial Fisheries Division
- Session Wrap-up/Breakout Session Reminder

LUNCH 11:30 am – 12:30 pm (on your own)

Thursday, April 14th Day 2 Climate Workshop

12:30 – 2:15 pm Workgroup Themes – Breakout Sessions and Discussion

- AJ Room – Streamflow & Watershed Classification
- Treadwell Room – Freshwater Temperature
 - Presentation: Stream Temperature Action Plan, Sue Mauger, Cook Inletkeeper
- Douglas Room – Anadromous Fish and Habitat Ecology

BREAK 2:15 – 2:45 pm

2:45 – 3:15 pm Treadwell Room – Workgroup Themes (report from breakout sessions, highlight actions)

3:15 – 4:30 pm How Can Climate Change Information Inform Management Decisions?
– Panel/Facilitated Group Discussion

Panel members: Brock Tabor, Alaska Department of Environmental Conservation / Gordon Reeves, USFS PNW Research Station / Greg Hayward, USFS Alaska Region / Janet Curran, USGS / Sue Walker, NMFS / Ray Paddock, CCTHITA / Teri Camery, City and Borough of Juneau

4:30 – 5:00 pm Wrap up, identify next steps

Friday, April 15th – Transboundary Environmental Data Workshop

Workshop goals: Identify areas of collaboration in the collection, summary and distribution of water quality and quantity data in Transboundary Waters

Target audience: individuals with technical expertise or interest in the collection, distribution, and analysis of water quality and quantity data for SE Alaska

Workshop contact Terri Lomax, Alaska Department of Environmental Conservation (email: terri.lomax@alaska.gov phone: 907-269-7635)