



Monday November 18, 2024

Palmer Community Center (Depot), 610 S. Valley Way, Palmer

8:30 Registration

9:00 Welcome

Nelli Williams (Director, Trout Unlimited Alaska, Mat-Su Basin Salmon Habitat Partnership
Fiscal Sponsor)

Stephanie Nowers (Assembly Member, Matanuska-Susitna Borough)

9:30 Virtual Keynote Address: *Exploring and Sharing Freshwater Worlds Through Visual Storytelling* • Jeremy Monroe and David Herasimtschuk, *Freshwaters Illustrated*

Introduction: Nate Cathcart (Alaska Department of Fish and Game)

10:30 Networking Break

11:00 Stewardship and Salmon Habitat Conservation in the Matanuska Watershed

Moderator: Erin Larson (Alaska Center for Conservation Science, University of Alaska Anchorage)

Integrating Traditional Ecological Knowledge with Modern Science for Salmon Conservation: A Case Study from the Chickaloon Village Traditional Council • Cody Henrikson (Chickaloon Village Traditional Council).

Salmon Through Time: Chickaloon Native Village Fisheries Research in the Matanuska Watershed • Ben Americus (Chickaloon Village Traditional Council)

From Barriers to Solutions: Capacity Building for Fish Passage Restoration • Andrea James (Chickaloon Village Traditional Council)

11:45 Noticing and Celebrating Incremental Change

*Making the Invisible Visible: An Intentional Practice of Noticing *and Celebrating* Incremental Change* • Anna Senecal (U.S. Fish and Wildlife Service)

12:00 LUNCH

12:45 Fisheries Research

Moderator: Dan Rinella (U.S. Fish and Wildlife Service)

Salmon Spawning in Sixmile Lake, JBER Alaska • Mitchell Paisker (U.S. Fish and Wildlife Service)

The Future is Jawless: Entering the Golden Age of Lamprey Research in Alaska • Nate Cathcart (Alaska Department of Fish and Game)

1:15 Fish and Habitat Survey's and Assessments and Aquatic Invasive Species

Tyonek Tribal Conservation District Watershed Monitoring Updates: AWC Additions, Habitat Assessments, and Invasive Species Surveys • Andrew Wizik (Tyonek Tribal Conservation District)



ADNR Elodea Control Projects Updates in South Central Alaska – Passing of the Torch, Looking to the Future • Cody Jacobson (Alaska Department of Natural Resources)

1:45 Poster Session & Art Showcase

Moderator: Margaret Stern (Susitna River Coalition)

Poster authors and artists from Palmer High School will answer questions about their work.

Lake Creek Chinook Sonar • Stephen Dotomain (Alaska Department of Fish and Game)

Distribution of 6PPD-Quinone and Tire Wear Particles in Snowmelt, Soil, and Stream Water in Southcentral Alaska • Brian DiMento (University of Alaska Anchorage)

Overview and Future of Cost Share work in the Mat-Su • Joe Lyon (U.S. Fish and Wildlife Service), Jessica Johnson and Grace Fahrney (Alaska Department of Fish and Game)

Water and Fish on Cottonwood Creek • High School Ecology Class (Knik Charter School)

Tracking Water Temperature, Thermal Stress, and Chinook Salmon Spawning Success in the Deshka River • Bailey Korkoske (U.S. Fish and Wildlife Service)

Monitoring Paralytic Shellfish Poisoning (PSP) in Alaska: A Statewide Initiative Led by the Knik Tribe • Jackie McConnell (Knik Tribe)

Structural Setbacks from Waterbodies in the Mat-Su Borough: Recommendations for the Co-existence of Development and Clean Water • Kendra Zamzow

Multimedia Salmon Art Showcase • Palmer High School students

2:15 Break

2:30 Habitat Restoration

Moderator: Matt Varner (Bureau of Land Management)

NOAA Habitat Restoration in Alaska through the Bipartisan Infrastructure Law & the Inflation Reduction Act • Emily Mailman (National Oceanic and Atmospheric Administration)

Mat-Su Borough Fish Passage Program 2024 • Michael Campfield (Mat-Su Borough)

3:00 Tidbits

Moderator: Ann Marie Larquier (Alaska Department of Fish and Game)

Please sign up at the registration desk to present a 3 minute project summary or announcement. If you have a slide or two to project (maximum 2 slides), please load them by the end of lunch.

3:15 Science to Conservation Outcomes: Data Transfer

Moderator: Mike Daigneault (U.S. Fish and Wildlife Service)

The session continues discussions from previous Symposiums identifying challenges of transferring salmon science to local decision makers. We'll highlight some key statewide databases, showcase how to bring these to your desktop, and explore existing web mappers that weave Mat-Su data together.

4:15 Announcements & Adjourn

Mike Campfield (Mat-Su Borough)



4:30 Evening Social & Music Jam

Feather and Flour, 927 S Cobb St., Palmer

Come visit with colleagues and listen to or play music by joining an acoustic open music jam. We'll have a few guitars and upright bass to share, otherwise bring your own instrument and join us. Everyone is welcome. Local Palmer musician Aspenyarrow will kick off the jam by sharing a few tunes, including an original salmon themed song! Music is scheduled to begin at 5 pm. The Mat-Su Salmon Partnership is providing appetizers, and a cash bar will be available till 7:30 pm, when the social ends.

Tuesday November 19, 2024

Palmer Community Center (Depot), 610 S. Valley Way, Palmer

8:30 Registration

9:00 Symposium Welcome

Maija DiSalvo (Member, Mat-Su Basin Salmon Habitat Partnership Steering Committee)

9:15 Keynote Address: Novel Tire-derived Toxicant 6PPD-quinone: Discovery, State of Science, and Regulation • Dr. Jenifer McIntyre, Washington State University

Moderator: Anna Senecal (U.S. Fish and Wildlife Service)

10:15 Networking Break

10:45 Keynote Address: Update on the Status of Our Knowledge About 6PPD-quinone in Alaska • Dr. Patrick Tomco, University of Alaska Anchorage

Moderator: Anna Senecal (U.S. Fish and Wildlife Service)

11:15 6PPD-quinone and the Mat-Su: Panel Discussion

Moderator: Laura Eldred (Alaska Department of Environmental Conservation)

What next? This session will bring in additional panelist perspectives to help us learn more about 6ppd-quinone in the Mat-Su and what partners and the Partnership can do about it.

Panelists:

- Matthew LaCroix (U.S. Environmental Protection Agency)
- Terri Lomax (Alaska Department of Environmental Conservation)
- Jenifer McIntyre (Washington State University)
- Alex Strawn (Matanuska-Susitna Borough)
- Patrick Tomco (University of Alaska Anchorage)

12:00 LUNCH



1:00 Fish, Politics and Policy

Peter Micciche (Board Member, National Fish Habitat Partnership/Mayor, Kenai Borough)

Moderator: Emily Mailman (National Atmospheric and Oceanic Agency)

1:15 Policy, Human Use and Habitat

Waterbody Setbacks in the Matanuska-Susitna Borough: A Year Later. Process Status and Changes Proposed by the Waterbody Setback Advisory Board • Matthew LaCroix (U.S. Environmental Protection Agency)

Effects of Watercraft Wakes on Shoreline Erosion, and Potential Impacts for Salmon at Big Lake, Alaska • Eli Wilson (University of Alaska Fairbanks)

Industrialization of the West Su Drainage • Margaret Stern (Susitna River Coalition)

2:00 Tidbits

Moderator: Andrea James (Chickaloon Village Traditional Council)

Please sign up at the registration desk to present a 3-minute project summary or announcement. If you have a slide or two to project (maximum 2 slides), please load them by the end of lunch.

2:30 Networking Break

2:45 Mat-Su Fish & Wildlife Commission Update

Gabe Kitter (Mat-Su Fish and Wildlife Commission)

3:00 Mat-Su Salmon in a Warming World

Moderator: Rebecca Shaftel (Bureau of Land Management)

Deshka River temperature monitoring and salmon studies • Daniel Rinella (U.S. Fish and Wildlife Service)

The effects of heat stress on juvenile Chinook and Coho Salmon growth in the Deshka River – John Hermus (University of Alaska Fairbanks)

Juvenile salmon distribution and body condition: The influence of thermal regimes in the Little Susitna Watershed • Erin Larson (Alaska Center for Conservation Science, University of Alaska Anchorage)

The Next Water Temperature Action Plan: Building on a Decade of Collaboration and Strategic Actions • Sue Mauger (Cook Inletkeeper)

4:00 Conclusions

Sue Mauger (Mat-Su Basin Salmon Habitat Partnership Science and Data Committee member, Cook Inletkeeper)

4:15 Adjourn