

INVADERS ON THE EDGE!



2023 Alaska Invasive Species Workshop Agenda

Monday, Nov. 6

Public presentation

Harrigan Centennial Hall

7:00 - 8:00 p.m. The ocean is warming and becoming more acidic – What does this mean for Alaska's coastal species? – Cascade Sorte, University of California Irvine, School of Biological Sciences

Tuesday, Nov. 7

8:00 - 8:30 a.m. Registration, snacks and refreshment

8:30 - 8:40 AKISP welcome: Danielle Verna, board chair

8:40 - 9:40 Keynote: Impacts of species invasions in a changing world - Cascade Sorte, University of California Irvine, School of Biological Sciences

9:40-10:00 Break

10:00 - 11:00 AKISP board and committee updates
Board accomplishments – Chair Danielle Verna
Committee Updates
Government relations
Marine
Outreach and Education
Elodea
Northern pike
Workshop planning
Ad hoc committee updates
First Detector

11:00-11:20 Wildfire and invasive plants in Alaska's boreal forest: State of the science — Taylor Seitz, University of Alaska Fairbanks, International Arctic Research Center

11:20-11:40 Invasive plant seed bank development after wildfire in Alaska's boreal forest — Jessie Skalisky, University of Alaska Fairbanks Climate Scholars Program

11:40-12:00 Panel discussion

12:00-1:00 Lunch on-site



Aquatic Invasive Species

1:00 - 1:20 Out of Sight, Out of Mind? The unrealized devastation from invasive northern pike — Parker Bradley, Alaska Department of Fish & Game

1:20-1:40 Functional eradication of invasive signal crayfish in the Buskin watershed, Kodiak, Alaska — Matt Van Daele, Sun'aq Tribe of Kodiak

1:40-2:00 Lessons from two of Alaska's human-mediated dispersal networks for aquatic invasive species — Tobias Schwoerer, University of Alaska Fairbanks, International Arctic Research Center

2:00-2:20 Panel discussion

2:20-2:40 Break

Lessons Learned

2:40 - 3:00 Stay Flexible: Lessons from the field in Kodiak — Masumi Palhof, Kodiak Soil and Water Conservation District

3:00 - 3:20 An infested powerline corridor intersects a world renowned salmon stream: Lessons learned from four years managing reed canarygrass on the Russian River — Maura Schumacher

3:20 - 3:40 Fresh on the Fringe: Finding invasive species on urban edges of Anchorage — Hannah Thompson, Anchorage SWCD

3:40 - 4:00 Something Old and Something New: 2023 early detection and rapid response in Southwest Alaska — Ben Wishnek, U.S. Fish and Wildlife Service

4:00-4:20 Panel discussion

4:20-4:35 Introduce the nominees — John Hudson, board member

4:35 - 4:45 Closing remarks



Wednesday, Nov. 8

8:00 - 8:30 a.m. Registration, snacks and refreshments

8:30 - 8:40 Welcome

Terrestrial Control Options

- 8:40-9:00 **Reed canary grass — ornamental ribbongrass — control efforts along the Metolius River —** Michael Curmine, U.S. Forest Service
- 9:00-9:20 **Controlled trials with chicken tractors to control orange hawkweed —** Casey Greenstein, Homer Soil and Water Conservation District (virtual presenter)
- 9:20-9:40 **Not in My Backyard: Community-driven invasive chokecherry tree removal on the Kenai Peninsula —** Patrick Houlihan, Homer Soil and Water Conservation District
- 9:40-10:00 **Factors affecting the management and detection of aminopyralid, a persistent herbicide used for invasive plant management in Alaska —** Gino Graziano, University of Alaska Fairbanks, Institute of Agriculture, Natural Resources and Extension
- 10:00-10:20 **Panel discussion**
- 10:20-10:40 **Break and poster setup**
- 10:40-11:20 **Poster session**
- 11:20-12:00 **Member rapid updates**
- 12:00-1:00 **Lunch on-site — voting closes at 1 p.m.**

Data

- 1:00-2:20 **Invasive Species Data Session: Presentations, tools, and discussion for collecting and sharing data**
- 2:20 - 2:40 **Break**
- 2:40 - 2:50 **Invasive Species Data Session continued:**
- **Pros and cons of using apps —** Gino Graziano UAF, IANRE
- 2:50-3:10 **Alaska Statewide Data Portal demonstrations: How to contribute, view, and extract data from the new Alaska Non-Indigenous Aquatic Species Clearinghouse —** Kim Schuster, UAA, ACCS, KBNERR; **Updates and release of AKEP-IC 2.0,** Justin Fulkerson, UAA ACCS
- 3:10-3:40 **Identifying and establishing collective needs for AKISP and data management —** Discussion
- 3:40 - 4:10 **Biggest Invasive Species Geek Round 1** (2022 champion Masumi Pahlof)
- 4:10 - 4:30 **Voting results**
- AKISP Board awards**
- Closing comments**



Thursday, Nov. 9

8:00 - 8:30 a.m. Registration, snacks and refreshments

8:30 - 8:40 Welcome

European green crab

8:40-9:00 **On the Leading Edge: European green crab in Alaska 2023** — Genelle Winter, Metlakatla Indian Community

9:00-9:20 **European Green Crab state update** — Tammy Davis, Alaska Department of Fish & Game

9:20-9:40 **Exploring Trap Innovation: Evaluating efficacy of modified crab traps in invasive species monitoring** — Nicole Reynolds, Kachemak Bay National Estuarine Research Reserve

9:40-10:00 **Break**

10:00-10:20 **The Process of Updating Alaska's European Green Crab Response Plan: Lessons learned and next steps** — Jasmine Maurer Kachemak Bay National Estuarine Research Reserve; Ben Wishneck U.S. Fish and Wildlife Service; and Tammy Davis Alaska Department of Fish and Game

10:20-10:40 **Invasive Intruders: The European green crab threat.** (Video) Josiah Martin, Martin Media (contractor), U.S. Fish and Wildlife Service

10:40-11:00 **Panel discussion: Invasive European green crab**

11:00-11:30 **Member rapid updates**

11:30-12:00 **Biggest Invasive Species Geek *Final Round*. Announce winner**

12:00-1:00 **Lunch on-site**



Terrestrial Invasive plants

1:00-1:20 **Knot in My Backyard — the Juneau knotweed experience** — John Hudson, Southeast Alaska Watershed Coalition

1:20-1:40 **Monitoring the phenology and distribution of Japanese knotweed (*Fallopia japonica*) in Sitka, Alaska using citizen science** — Alexandra McCarrel, Sitka Sound Science Center

1:40-2:00 **Should the psyllid, *Aphalar itadori* be used for biological control of invasive knotweeds (*Fallopia* spp.) in Alaska?** — Fritz Grevstad, Oregon State University

2:00-2:20 **Panel discussion**

2:20-2:40 **Alaska Weed-Free Products Certification Committee** — Summer Nay, Chair Weed Free Products Committee

2:40 - 2:50 **Meeting final remarks**

Board Meeting

3:00 - 5:00 **New board member orientation, officers, and work plan**



Keynote speaker

Cascade Sorte is a global change ecologist who studies the impacts of climate change and invasive species. As a marine biologist, Cascade does field experiments in coastal marine ecosystems. She has studied the impacts of global change in Southeast Alaska since she served as a Scientist in Residency Fellow at the Sitka Sound Science Center in 2014. Cascade's work on species invasions extends across aquatic and terrestrial ecosystems. She has led and participated in international synthesis groups working to understand how climate change will influence the prevalence and impacts of species invasions. This work was recently recognized with the George Mercer Award of the Ecological Society of America, an award given annually to an outstanding ecological research paper published by an early career scientist. Cascade earned her Ph.D. from UC Davis in 2010 and is now an associate professor of ecology and evolutionary biology at UC Irvine in Southern California.



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