

2018 joint conference of the

NORTHWEST SCIENTIFIC ASSOCIATION & NORTHWEST LICHENOLOGISTS

Coping with Change Through Innovation: New Approaches, Tools, & Collaborations

The Evergreen State College, Olympia, Washington - March 27-30, 2018

(dependent upon submitted & invited abstracts for oral presentations)

Fisheries Conservation and Management in the Pacific Northwest

Fisheries conservation and management has a long and diverse history in the Pacific Northwest. This symposium will bring together fisheries management professionals from federal, state, tribal, and local entities to discuss current issues facing fisheries managers/biologists and modern approaches to conservation and management. The symposium will cover a wide variety of species and topics, such as aquatic habitat restoration, effects of urbanization on native fishes, technological advances in fisheries management, and conservation of native, non-game species.

Organizers: Patrick DeHaan, Patrick_dehaan@fws.gov; Sam Brenkman, sam_brenkman@nps.gov; and Jeff Duda (jeff_duda@usgs.gov)

Changes in the Top Predators of the Salish Sea

The occurrence and distribution of some marine mammals, especially cetaceans, are recently and dramatically changing in the Salish Sea. Harbor porpoises have returned to a part of their Puget Sound historic range, and are now seen south of Admiralty Inlet in significant numbers. Wiped out by whaling operations in the early 20th century, humpback whales are now increasing with some staying through the winter. Sightings and strandings of other typically more southern species like common dolphins, bottlenose dolphins, and Brydes whales are being documented more frequently. This session presents on recent findings and ends with a discussion on how this all inter-relates.

Organizer: John Calambokidis, calambokidis@cascadiaresearch.org

Climate Change Adaptation in Streams

This session explores examples of climate change adaptation for aquatic habitat and infrastructure management in the Pacific Northwest and beyond. Presentations will highlight recent vulnerability assessments, analyses for management prioritization, and on-the-ground climate change adaptation actions.

Organizer: Jessica Halofsky, jhalo@uw.edu

Ecoregional Land Management in Response to Changing Climate

Landscape Conservation Cooperatives (LCC) are a means to meet the trans-jurisdictional effects of climate change with a trans-jurisdictional response, including ecologically-organized information sharing, planning, and management actions. LCCs are eco-regionally based and emphasize the importance of Tribal resource management issues and the value of traditional ecological knowledge. This session highlights a variety of successful projects undertaken by LCCs within northwestern North America that exemplify all these elements.

Organizer: Andrea Woodward, awoodward@usgs.gov

Native Food Plants of the Northwest:

Ecology, Culture, & Management in a Changing World

Huckleberries and other native Pacific Northwest food plants are important components of social history and traditional tribal diets. Many of these plants are important food sources for wildlife and pollinators. This session focuses on the ecological and cultural importance of these plant foods, addresses how some species are responding to climate and land-use changes, and will discuss possible management strategies for the future.

Organizer: Janet Prevéy, jprevey@fs.fed.us

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Lichenology & Bryology in the Pacific Northwest

The 2018 Northwest Lichenologists' special session includes research talks on lichen and bryophyte ecology, floristic studies, lichen evolution, and systematics. Our special guest speaker, Dr. Toby Spribille, from the University of Alberta, will share his research on new advances in our understanding of the lichen symbiosis. We also welcome beginner and advanced lichenologists to share their research findings at the poster session and oral presentations, and we especially encourage presentations that include innovative tools and ideas for measuring lichens responses to environmental change. Organizer: Lalita Calabria, calabril@evergreen.edu