

*3<sup>rd</sup> Call For Abstracts  
Oral & Poster Presentations*

# NORTHWEST SCIENTIFIC ASSOCIATION

## 89<sup>th</sup> ANNUAL MEETING

A Joint Meeting with Northwest Lichenologists

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

Join Scientists from all over the Northwest, present your latest research, and exchange ideas.  
Submit your abstract to present an oral or poster presentation.

**Submission Deadline February 20, 2018**

**Student participation encouraged!**

<https://northwestscience.org/>

## Coping With Change Through Innovation: New Approaches, Tools & Collaborations

**Plenary Session: Buying Time – Adapting to Climate Change in the Northwest**

**Banquet Topic: 100 years of change in Washington's glaciers**

### SPECIAL SESSIONS

Fisheries Conservation & Management in the PNW  
Climate Change Adaptation in Aquatic Habitats  
Ecoregional Land Mgt in Response to Climate Change  
Native Food Plants of the Northwest  
Changes in the Top Predators of the Salish Sea  
Lichenology & Bryology

### WORKSHOPS

Crust Lichens of Conifer Bark - Identification  
New Tools for Science  
Applications for R Programming

### Topics for Contributed Papers/Posters

Adaptation of Forests to Climate Change  
Climatology & Meteorology  
Forest Resources & Management  
Anthropology & Archaeology  
Lichenology & Bryology  
Oceanography

Botany  
Fire Ecology  
Fisheries  
Hydrology  
Mycology  
Paleontology

Ecology  
Wildlife Biology  
Geology & Geomorphology  
Invasive Species  
Restoration Ecology  
Range Management



## **2018 TENTATIVE PROGRAM**

### **Tuesday – March 27**

- NWSA Board Meeting
- NWSA Evening Social

### **Wednesday – March 28**

- Plenary Session: Buying Time – Adapting to Climate Change in the Northwest
- Special Sessions and Workshops
- Concurrent, Contributed/Invited Oral & Poster Sessions
- Evening Banquet

### **Thursday – March 29**

- Special Sessions
- Concurrent, Contributed/Invited Oral & Poster Sessions
- NWSA Business Meeting and Lunch – all invited and free lunch included with registration
- Special Sessions and Workshops

### **Friday - March 30: Tentative Field Trips**

- Prairies of the South Sound: Maintaining Desired Conditions Through Climatic Change
- Using Drones for Natural Resource Assessment
- Acidic Peatlands of Western Washington (joint trip with Northwest Lichenologists)

Visit our website for more information <https://www.northwestscience.org/>  
Or contact Connie Harrington, 2018 NWSA Conference Chair at [charrington@fs.fed.us](mailto:charrington@fs.fed.us)



**ABSTRACT REQUIREMENTS & GUIDELINES**  
**NORTHWEST SCIENTIFIC ASSOCIATION**  
The Evergreen State College ❖ Olympia, WA ❖ March 27-30, 2018

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Northwest Scientific Association is soliciting papers to address a broad range of topics and special sessions in natural, social, & applied sciences (<https://www.northwestscience.org/page-1844524>).

Abstracts are required for all oral and poster presentations at the 2018 NSWA conference.

**Abstract submittal: November 8, 2017 –February 20, 2018.**

Final notice for acceptance of abstract (and session assignment) will be sent on or before February 26, 2017.

Presentations for Technical & Special Sessions will be 15 minutes long, with 5 minutes for questions.

- ◆ All abstracts must be submitted electronically to: [nwsaolympia2018@gmail.com](mailto:nwsaolympia2018@gmail.com)
- ◆ The email subject line must indicate the Presenter's Last Name & if for a poster or oral session. Examples: Johnson - Oral; Shaw - poster
- ◆ The body of your email must contain the following information:
  - Name, affiliation, mailing address, and email of the corresponding author.
  - Names and affiliations of additional authors.
  - Indicate at least two keywords for use in preparing a subject list.
  - Indicate (again) if submitting for an Oral or Poster Session.
  - For Oral Session: indicate the session topic relative to your abstract. If unsure then indicate "Contributed Paper". See program link above for possible topics and sessions.
  - For Poster Session:
    - Indicate if presenter is a student and would like to participate in "best student poster."
    - Specify poster dimensions as either 4 x 4 ft or 4 x 8 ft.
- ◆ Attach abstract as an MSWORD document to the email. Be sure abstract is formatted using guidelines below. Failure to follow instructions may result in dire consequences!

**ABSTRACT FORMAT FOR PAPER AND POSTER PRESENTATIONS:**

- Prepare abstract using Times New Roman, 12-point font in MS Word (.doc or .docx). Improperly formatted abstracts will be returned for revision.
- Type everything left justified.
- Type the title in ALL CAPITALS followed by a period.
- Continue on same line with names of all authors and their full addresses.
- Type author names in upper and lower case. Separate each name with a semicolon after the address.
- Add the full address, using 2-digit state or province abbreviations, including zip or postal code, for each author directly after each author's name. If authors from the same institution follow one another, add the address after the last affiliate.
- Add the email address of the corresponding author after the last author and italicize it.
- Skip a line and type the abstract in one paragraph in normal case. The word count for the body of the abstract may not exceed 250 words.
- ◆ The abstract should include a statement or summary of the research results, not a promise that "results will be discussed" at the meeting.

Example:

**STATUS AND POPULATION STRUCTURE OF FRESHWATER MUSSELS IN THE ELWHA RIVER 100 YEARS AFTER THE DAMS.** David L. Cowles, Layla Cole, Department of Biology, Walla Walla University, College Place, WA 99324; Patrick Crain, Olympic National Park, 600 E. Park Avenue, Port Angeles, WA 98362-6798; *david.cowles 'at' wallawalla.edu*

We surveyed the middle and lower reaches of the Elwha River (from Lake Mills to the river mouth) for freshwater mussels in the summer of 2008.....