



# Northwest Scientific Association 2025 Annual Meeting Schedule

## Monday, March 17

NWSA Annual Board Meeting 13:00 - 16:00 - Condon Hall

NWL Andrew Reasoner Preserve Field Trip 13:45 - Best Western Hotel Parking Lot

NWSA Annual Meeting Opening Social 17:00 - 19:30 - Museum of Natural History

## Tuesday, March 18

Opening Ceremony - 8:30am - Redwood Ballroom

Plenary 1 - Redwood Ballroom

Plenary 1	Presenter	Start time	Title
	Katharine Cashman	9:00	The Onset and Impacts of the c.7700 ybp eruption of Mount Mazama (Crater Lake), OR

Break - 10:00 - 10:15

NWL Eagles Rest Field Trip 11:00 - Best Western Hotel Parking Lot

Eastern Oregon Agricultural Session - Redwood Ballroom

Virtual session - all presenters will be presenting remotely

Morning Session 1	Presenter	Start time	Title
	Kirk Davies	10:15	Post-fire management decisions have consequences
Jon Bates	10:30	Post-fire grazing management in sagebrush steppe	
Daav Sannerud	10:45	Thinning Dense Wyoming Big Sagebrush to Replenish Herbaceous Understories: Three Years Post-Treatment	
Stella Copeland	11:00	Invaluable insights from a long-term grazing experiment: plant communities in 89 year-old exclosures at the Northern Great Basin Experimental Range	
Vanessa Schroeder	11:15	Differences in sagebrush-obligate songbird nest survival in grazed landscapes in southeast Oregon	
Rory O'Connor	11:30	Carbon security, carbon stocks, and managing rangeland carbon	
Chad Boyd	11:45	Threat-Based Strategic Conservation to Inform Post-Fire Planning	
Lauren Svejcar	12:00	Post-wildfire restoration of key sagebrush species	

Dendrochronological advances in the Pacific Northwest, Part 1 - Lease Crutcher Room

Morning Session 2	Presenter	Start time	Title
	Amanda Brackett	10:15	Kick-off to the special session "Dendrochronological Advances in the Pacific Northwest"
Charles Drake	10:30	Fire History of the McDonald-Dunn Research Forest	
Jennifer Bailey-Guerreo	10:45	The role of disturbance in shaping the mature to old-growth forest habitat for endangered Marbled Murrelets in the western Oregon Coast Range	
Cassidy Ruge	11:00	New insights into the ecology and history of hardwoods in the Central Oregon Coast Range	
Maddie Washburn	11:15	Engage Mt. Hood: Science Communication and Community Collaboration	
Zoe Beard	11:30	Historical Fire Regimes and Forest Dynamics on the Mt. Hood National Forest	
--	11:45	Questions	

Lunch 12:00 - 1:00pm

Plenary 2 - Redwood Ballroom

Plenary 2	Presenter	Start time	Title
	David G. Lewis	13:00	Reconstructing Kalapuyan Lifeways

Break - 14:00 - 14:15

Anthropogenic histories of the Northwest - Crater Lake North

Evening Session 1	Presenter	Start time	Title
	Michael Coughlan	14:15	Fire, water, wood, and glass: Landscape level socioecological dynamics seen through fire scars and obsidian hydration on the upper Middle Fork Willamette, western Oregon.
Katya Podkovyrovff	14:30	Investigating historical land use impacts on vegetation and salmon in Coos Bay to inform Pacific Northwest estuarine restoration through biogeochemical and eDNA analyses	
David Lewis	14:45	Acorns, Elk, and Ponderosas; Klamath Annual Travel into the Cascades	
James Johnston	15:00	Diverse historical fire disturbance and successional dynamics in Douglas-fir forests of the western Oregon Cascades, USA	
Bart Johnson	15:15	Lessons from restoring an ancient savanna in Oregon's mid-elevation Cascades following forest succession	
--	15:30	Questions	

Dendrochronological advances in the Pacific Northwest, Part 2 - Redwood Ballroom

Evening Session 2	Presenter	Start time	Title
	Andrew Merschel	14:15	Historical Fire and Climate Relationships in the Western Cascades
Sven Rodne	14:30	100 Years of Forest Structure, Composition, and Spatial Patterning Changes in Southwest Oregon's Rogue Basin	
Jessica Blunn	14:45	Opportunities for paired dendrochronology, pedology, and pedoanthracology in the McDonald-Dunn Research Forest	
Isaac Bell	15:00	Monitoring and Modeling Legacy Tree Response to Restoration Treatments in the Klamath Mountains, Oregon, USA	
Constance Harrington	15:15	Growth of Douglas-fir and ponderosa pine in mixed-species plantations in Mason County, WA	

--	15:30	Questions
----	-------	-----------

Mapping, Wildlife, and Geology - Lease Crutcher Room		
Presenter	Start time	Title
Richard Waitt	14:15	Mount St. Helens 18 May 1980 Clarified—Eyewitness Records of Forest-Felling Pyroclastic Surge as Two Gravity Currents
Jon Riedel	14:30	Debris Flow Magnitude, Frequency, and Precipitation Threshold in the eastern North Cascades, Washington
Gregory Retallack	14:45	Oregon's Neogene paleoclimate and the soil carbon dioxide planetary thermostat
Naomi van Roon	15:00	Modeling recreational risk factors on the landscape: a predictive GIS analysis of recreation accident response surrounding the Snoqualmie Valley, Washington.
Justin Bastow	15:15	How many worlds lie beneath our feet? Topographic variation in soil conditions and food webs within a prairie restoration site
James Lamping	15:30	Mapping forest structure across the coastal temperate forests of North America
Holly Amer	15:45	Quantifying Environmental Covariate Impacts on Riparian Reforestation in Western Oregon, USA
--	16:00	Questions

**Break - 16:45 - 17:00**

Poster Session - 17:00 - Crater Lake South		
Posters can be hung starting at 12:00		
Presenter	Poster Location	Title
Abigail Neat	1	Investigating the role of host-associated microbial communities in <i>Pseudotsuga menziesii</i> seedling response to drought stress
David Shaw	2	Why a network of old-growth and mature forests across the Douglas-fir region is good for the timber industry.
Evan Coit	3	Composition and Structure of Axial Seamount Microbial Mat Communities
Hirak Parikh	4	Diatom Diversity Across Habitats in Historically Mining-Affected Coeur d'Alene Lake
Dylan Fischer	5	Forest Plant Growth Forms and Resilience Over 40 Years at Mount St. Helens
Lucy Heflin	6	Long-term data reveal muted avian responses to low-severity wildfire
Zoe Ziegler	7	Patterns of tree damage and fuels around power lines in Northern California
Tatjana Beck	8	Wildfire Impacts on Avian Community Assemblages in the Conifer Forests of the Western Cascades in Oregon, USA
Alex Vandendries	9	Intraspecific variability in vulnerability to cavitation in <i>Thuja plicata</i>
Julianna Paulsen	10	Digitizing the EWU Herbarium for Data Accessibility and Student Success
Alexander Brau	11	Forest Management, Wildfire, and Lichen Resilience in the Klamath Basin
Devlin Mee	12	The Influence of Recreation, Temperature, and Land Use on Macroinvertebrate Diversity in Tributaries of the Pend Oreille River
August Grossman	13	Canopy Fuel or Fire Buffer? The Role of Epiphytes in Douglas-fir Crown Flammability
Kaitlin Abell	14	Urbanization Impacts on Invertebrate Traits in the Spokane River Watershed
Emma Knepp	15	Late Holocene Climate Variability through Dendrochronology in the Trinity Alps, Northern California
Emmery Parker	16	Factors Influencing Life-History Variation of Larval Rough-skinned Newts in Coastal California
Holly Reynolds	17	Building a geodatabase of historical Indigenous fire practices in the Pacific Northwest
Cecile Szollas	18	Fire in Sycan Marsh Preserve: The Impact of Fire Management on Plant Hydraulics and Ladder Fuel accumulation in a <i>Pinus ponderosa</i> Dominated Forest
Isabel Dean	19	IUCN Global Red List Assessments for <i>Kaernefeltia californica</i> ((Tuck.) Thell & Goward)
Lauren Walker	20	Simulating Oregon ash replacement as Emerald Ash Borer spreads in the West
Ben Vierra	21	2021 Heat Dome Event and Aftermath Through the Lens of the National Ecological Observatory Network
Niamh Houston	22	Assessing Post-fire Fuels and Vegetation Following Reburns in the Western Cascade Range of Oregon
Regina OKelley	23	Reforest rivers, right away: Evaluating the climate mitigation benefit of riparian reforestation in western Oregon
Eleonore Jacobson	24	Spatial Analysis of Airborne Contaminants: Moss as a Tool for Environmental Assessment
Wesley Rancher	25	Estimating recent shifts in aboveground carbon and species composition in interior Alaska using Landsat imagery and random forests

**Wednesday, March 19**

Opening Session - 8:30am - Redwood Ballroom		
Plenary 3 - Redwood Ballroom		
Presenter	Start time	Title
Jerry Franklin	9:00	Reflections on Forest Science and Policy in the Past and Future

**Break - 10:00 - 10:15**

Northwest Lichenology, Part 1 - Redwood Ballroom		
Presenter	Start time	Title
Roger Rosentreter	10:15	Fire Effects on Lichen Biodiversity on a Longleaf Pine Site, Two years post-fire.
Julianna Paulsen	10:30	Mobile Genetic Elements in Rare, Threatened, and Range-Restricted Lichenized Fungi
John Villella	10:45	Visitor use reduces lichen and bryophyte diversity and the occurrence of rare species in Mount Rainier National Park
Jesse Miller	11:00	If a lichen falls in a forest: Population trends and threat analysis for Washington rare plants and lichens
Elise Grage	11:15	Lichens of Marbled Murrelet Nests
Stephen Sharrett	11:30	Rare and common lichenized fungi adapt to light availability, anthropogenic landscape impacts, and climate
Bruce McCune	11:45	Geographic, genetic, and symbiont variation in forms of <i>Stereocaulon spathuliferum</i> in the Pacific Northwest

Earth and Ecosystems - Lease Crutcher Room		
Presenter	Start time	Title
Nina Ferrari	10:15	Building a multi-species classifier to identify bird vocalizations in bioacoustics data
Allison Monroe	10:30	Initial insights into the recently established invasive Mediterranean Oak Borer ( <i>Xyleborus monographus</i> ) within Oregon white oak ( <i>Quercus garryana</i> ) in the Willamette Valley, Oregon
Christina Mitchell	10:45	Pollen limitation increases importance of pollinators for rare prairie plants
Alex Bentley	11:00	Identifying the Drivers Behind the Decline and Dieback of Douglas-fir and True Fir Species in SW Oregon
James Johnston	11:15	Significant mortality of old trees across a dry forest landscape, Oregon, USA
Margaret Magee	11:30	Downed woody debris facilitated microsites to support black huckleberry regeneration
Max Ragozzino	11:45	Emerald Ash Borer Response in Oregon: Slowing Ash Mortality & eDNA Detection Methods

Lucy Kerhoulas	12:00	Foliar uptake of fog water in three tall conifer species of the Pacific Northwest
----------------	-------	---

**Business Lunch 12:20 - 13:45pm : Join us in the Crater Lake Room for a public discussion on the present and future of NWSA**

**NWL Workshop 14:00-17:00 - Klamath 5 Lab**

Evening Session 1	Northwest Lichenology, Part 2 - Redwood Ballroom		
	Presenter	Start time	Title
	Elisa Di Meglio	13:00	Lichenology in the age of Ecampus
	David Wagner	13:15	Traditional herbarium taxonomy meets digital technology.
	Alan Peterson	13:30	Practical issues associated with using Consortium of Lichen Herbaria (CLH) data.

Evening Session 2	Fire Ecology and Management - Lease Crutcher Room		
	Presenter	Start time	Title
	Gabby John	14:15	How do Douglas-fir and Western Hemlock Respond to Heat Waves in Western Oregon?
	Mark Kerstens	14:30	Importance of late-seral lodgepole pine for a post-fire "specialist" on the Oregon Pumice Plateau
	Jed Kaplan	14:45	Coupled human and natural systems modeling confirms the importance of anthropogenic burning in explaining the fire deficit in the Pacific Northwest
	Dalton Brantley	15:00	The impact of frequent wildfire on subalpine lodgepole forest understory communities
	Jeff Kane	15:15	Longevity of prescribed fire effectiveness in mixed-evergreen forests of the Klamath Mountains
Melissa Lucash	15:30	How will climate change alter the wildfire regime and carbon dynamics in the boreal forests of Alaska?	

**Thursday, March 20**

**NWL Coastal Field Trip 08:00 - Best Western Hotel Parking Lot**



**NWSA Field Trip to HJ Andrews and Finn Rock Restoration Site**

9:00 - 17:00

[Meet at parking lot outside Condon Hall](#)

Bring lunch. Dress for the weather: layers, raincoat, hat, gloves, sturdy shoes/boots. If you are interested in wading, please bring your own chest waders. We will have some waders on hand but no guarantee that they won't leak so bring extra dry clothes if you will borrowing these.

**Sign-up link:**

<https://docs.google.com/forms/d/e/1FAIpQLSepYNY739LiiyK4Fe-sGKyK1O2ORIObPffveY-lnethernkIA/viewform?usp=header>