

# 2020 Urban Ecology & Conservation Symposium

## AGENDA

**8:00 REGISTRATION**

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**9:00 WELCOME AND INTRODUCTION: Brendan White**, Conservation Partnerships Division Manager, US Fish and Wildlife Service

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**9:10 OPENING KEYNOTE ADDRESS: Dr. Vivek Shandas**  
Professor, USP and ESM; Director, Sustaining Urban Places Research (SUPR) Lab, Portland State University, Portland, OR; Chair, Portland Urban Forestry Commission  
*Beyond landscape legacies: Redlining, ecosystem services, and the work ahead*

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**HABITAT, WILDLIFE, AND WILDLIFE** *Moderator: Carol Murdock, Business Practice Lead - Integrated Planning, Clean Water Services*

**9:50** Leah Schrodt US Fish and Wildlife Service The Oregon Zoo Partnership: A Model for  
Rachel Fort Oregon Zoo Empowering Urban Wildlife Conservation

**10:00** Brook Silver US Fish and Wildlife Service Tryon Creek fish monitoring

**10:10** Adrienne Basey Metro Seeds for Change: Preserving oak prairie species for an unknown future

**10:20** Joe Liebezeit Portland Audubon Portland Christmas Bird Count – An 80-year review of species trends (1938-2017)

**10:30** Q&A

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**10:40 BREAK** *Raffle at 10:55*

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**HABITAT CONNECTIVITY FOR FISH & WILDLIFE** *Moderator: Amy Chomowicz, Stormwater Stewards Manager, City of Portland Bureau of Environmental Services*

**11:00** Leslie Bliss-Ketchum Samara Group The Oregon Connectivity Assessment and Mapping Project (OCAMP)

**11:10** Eric Butler Portland State University The ecosystem services of connectivity

**11:20** Carol Hardy Portland State University A framework for incorporating ecosystem connectivity into urban planning for resilient cities

**11:30** Martin Lafrenz Portland State University Mapping regional wildlife habitat connectivity

**11:40** Q&A

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**11:50 LUNCH** *Raffle at 12:55*  
You are invited to participate in a facilitated discussion or walking tour during the lunch break. Descriptions of the lunchtime offerings can be found on Page 7.

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**AFTERNOON KEYNOTE ADDRESS: Dr. Ana M. Alvarez**

**1:00** Deputy General Manager, East Bay Regional Park District, Oakland, CA  
*The intersectionality of diversity, equity and inclusion in the environmental movement*

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**SOCIAL DIMENSIONS**

*Moderator: Joe Liebezeit, Staff Scientist & Avian Conservation Program Manager, Portland Audubon*

- 1:40** Indi Keith West Multnomah Soil & Water Conservation District Whose land is our land? Race, place, and equity in western Multnomah County
- 1:50** Michelle Talal Oregon State University Urban park visitor preferences for vegetation – an on-site qualitative research study in Portland, Oregon
- 2:00** Lori Hennings Metro Using wildlife fright information to inform trail planning
- 2:10** Erica Patterson Community Member Our wild neighbors: Exploring the connection between Portland's people and wildlife
- 2:20** Q&A
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**2:30 BREAK Raffle at 2:45**

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**POLLUTION AND URBAN SOLUTIONS**

*Moderator: Aaron Ramirez, Assistant Professor of Biology & Environmental Studies, Reed College*

- 2:50** Alix Danielson Hood River Watershed Group Oregon Pollutant Risk Database: A tool for supporting risk assessment of Oregon's water quality
- 3:00** Devan Rostorfer Washington State Department of Ecology From source assessment to water quality success: Implementing TMDL alternatives in southwest Washington
- 3:10** Tom Liptan Green Infrastructure Consultant Green infrastructure research - Ecoroof soil comparisons, 'which is the best'
- 3:20** Alex Bans Portland State University A seasonal study of ecoroof runoff quality and quantity and the associated drivers on a commercial building in North Portland, Oregon
- 3:30** Kathryn Forester Herrera Environmental Consultants D Avenue Green Street project: Methods for incorporating large trees, pollinator habitat, and native-dominant landscapes into an urban neighborhood
- 3:40** Q&A
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**3:50 CLOSING REMARKS: Lori Hennings, Senior Natural Resource Scientist, Metro**

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**4:00 – 6:00 POSTER SESSION AND SOCIAL**  
with Student Poster Award presented at 5:30

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# POSTER PRESENTATIONS

*Coordinator: Ted Labbe*

<b>Author(s)</b>	<b>Title</b>
Aaron Anderson*^, Gail Langellotto (Oregon State University)	Which native plants should home gardeners grow for pollinators?
Stephanie Doorly*^, Samantha Gillette, Michael Murphy (Portland State University)	Urban nesting biology of a threatened subspecies of willow flycatcher ( <i>Empidonax traillii brewsteri</i> )
Dylan Esmonde*^ (Portland State University)	A multi-scale assessment of urban streams and the influence of the urban environment on aquatic health and function
Kate Forester* (Herrera Environmental Consultants)	Carli Creek water quality and stream enhancement project
Gary Granger* (Portland Crow Roost)	Counting crows: Portland's urban crow roost by the numbers
Jen Hayes*^ (Oregon State University)	Pollinator preference for Pacific Northwest native plants and native cultivars
Jane Kleiner* (Nature + Play Designs)	Greening of schoolyards - Rebuilding nature at schools
Emma Kohlsmith*^ (Bureau of Environmental Services)	Stormwater treatment effectiveness of established bioretention facilities in Portland, Oregon
Gail Langellotto*, Isabella Messer (Oregon State University)	Garden bees of Portland
Jordan Leis*^, Nancy Broshot, William McCuen (Linfield College)	Soil characteristics in relation to urban tree mortality

Chuck Lobdell* (Johnson Creek Watershed Council)	Mitchell Creek restoration
Morgan McAllister*^ (Portland State University)	A pictorial guide to cavity nesting wasps of Portland
Erin McElroy*^ (Portland State University)	Understory species increase project
James Mitchell*^ (Portland State University)	Trail impact monitoring in Forest Park
Nadja Quiroz* (GreenWorks P.C.)	Overcoming barriers to ecological design: The researcher as socio-ecological coupler
Erica Rudolph*^, Stefanie Steele, Joshua Page, Diandra Diamond, Susan Masta (Portland State University)	A survey of the bees of Portland and their floral preferences
Sue Ryburn*, Jack Shorr, Susan Albright (Washington County Master Association)	From gravel to garden- Washington County Master Gardener Association education garden at PCC Rock Creek
Ashwin Sivakumar*^ (Flintridge Preparatory School), Alexis Mychajliw (La Brea Tar Pits and Museum, Hokkaido University)	Contextualizing avian species distribution models using pleistocene fossil data
Fiona Smeaton*^ (Portland State University)	Habitat monitoring and restoration planning of urban pollinators: A planners guide to effective management strategies
Jeffrey Smith*^, Olyssa Starry, Amelia Drake (Portland State University)	The effect of the urban heat mosaic on tree phenology
Stefanie Steele*^, Olivia Helback, Susan Masta (Portland State University)	Preferences of cavity nesting bees in Portland
Gregor Yanega* (Foresters for the Birds Project)	Songs, saws, and sustainability: Forestry for the birds comes to Washington County, OR

\* *Primary author*, ^ *Student presenter*