

FORESTS AND WILDLIFE: RESPONDING TO CHANGE

YAKIMA CONVENTION CENTER

&

RED LION HOTEL

YAKIMA, WA

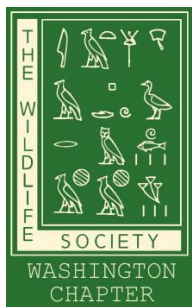
MARCH 28-31, 2017



WELCOME FROM THE PARTNERS!

Dear Friends and Colleagues, it is a great pleasure to welcome you to the 2017 **Joint Meeting of the Washington Chapter of The Wildlife Society and the Washington State Society of American Foresters**. Our two societies have collaborated to bring you a special program dedicated to Forests and Wildlife: Responding To Change. We hope this week's events offer ample opportunities to experience professional enrichment, life-long learning, and personal enjoyment. Please take home a renewed and expanded appreciation for the forest and wildlife habitat stewardship that is the basis for our organizations and their members. If you have any questions or comments, please speak with one of the meeting Steering Committee members: **Katy Stuart, Wendy Sammarco, Danielle Munzing, John Walkowiak, Tony Fuchs, Lori Rasor, Mike Hall, Bill Vogel, Kathy Brodhead, and Chuck Lorenz**.

Washington Chapter of The Wildlife Society — The Washington Chapter is a statewide affiliate of The Wildlife Society, a professional organization with nearly 10,000 members, primarily in North America, devoted to promoting excellence in wildlife stewardship through science and education. The roughly 300 members of our chapter represent a diverse array of professionals, students, and lay persons among wildlife conservation and management agencies, non-governmental organizations, academic institutions, education programs, and other disciplines associated with studying and conserving natural resources. In recognition of our efforts to encourage student participation, engage with partner organizations, and expand the diversity of our membership, our chapter was honored by The Wildlife Society as the 2014 Chapter of the Year.



2016-2017 Executive Board

President: **Danielle Munzing**

President-Elect: **Katy Stuart**

Past President: **Tony Fuchs**

Secretary: **Noelle Nordstrom**

Treasurer: **Kathy Brodhead**

Elected Board Members: **Daniel Ravenel, Sara Hansen, Ken Bevis, Ron Tressler**

Washington State Society of American Foresters — With over 500 members in 11 chapters (including 3 student chapters) west of the Columbia River, the Washington State Society of American Foresters is among the largest state affiliates of the national Society. Foresters play a major role in managing Washington's 22 million acres of forestland. These forests provide a variety of benefits for Washingtonians and the nation in the form of wildlife, water, recreation, timber and other forest products. The practice of forestry has changed and will continue to evolve over time. Today, foresters manage for a rich diversity of forest resources to achieve landowner objectives and meet society's needs and the needs of future generations. Washington's forests are some of the most productive forests in the nation and professional foresters continue to be drawn to the state to practice the art and science of forestry.



2016-2017 Officers

State Chair: **Wendy Sammarco**

Treasurer: **Chuck Lorenz**

Chair Elect: **Paul Wagner**

Secretary: **Samantha Chang**

Immediate Past Chair: **John Walkowiak**

SPECIAL EVENTS!

WELCOME RECEPTION AND MIXER: The Welcome Reception on Wednesday evening is the primary opportunity for our diverse set of participants to come together in an entertaining social and professional setting. There will be food (included with registration fee), beverages (gratis and no-host), and lots of time for mingling. There also will be opportunities for professional engagement during the Poster Session held in conjunction with the Reception. Please arrange your schedule to ensure that you can participate to reacquaint, make new friends, learn, and enjoy. We encourage members of the various organizations to mingle and contribute to improving both personal and professional relationships among the SAF and TWS organizations.

POSTER SESSION: Posters will be available for viewing from 6:00-9:00pm on Wednesday in Room E. Poster presenters will be attending their posters to answer questions from 6:30-7:30pm. Posters can also be viewed all day Thursday until they are taken down at 4:00pm.

PHOTO CONTEST: The photo contest will take place in the **YCC Room B**. Voting will start at 7pm, Wednesday and will close at 5pm, Thursday. Winners for each of the 5 categories, plus best in show will be announced during the awards banquet. Submit your photo(s) by **5:00pm Wednesday March 29th** at the registration desk. You may submit one photo per category. Prints must be mounted on a firm backing, such as matboard or foam core, or may be framed. Please limit size to 11 x 14 or smaller. On the back of each print you must include your name, phone number, and category. Categories include:

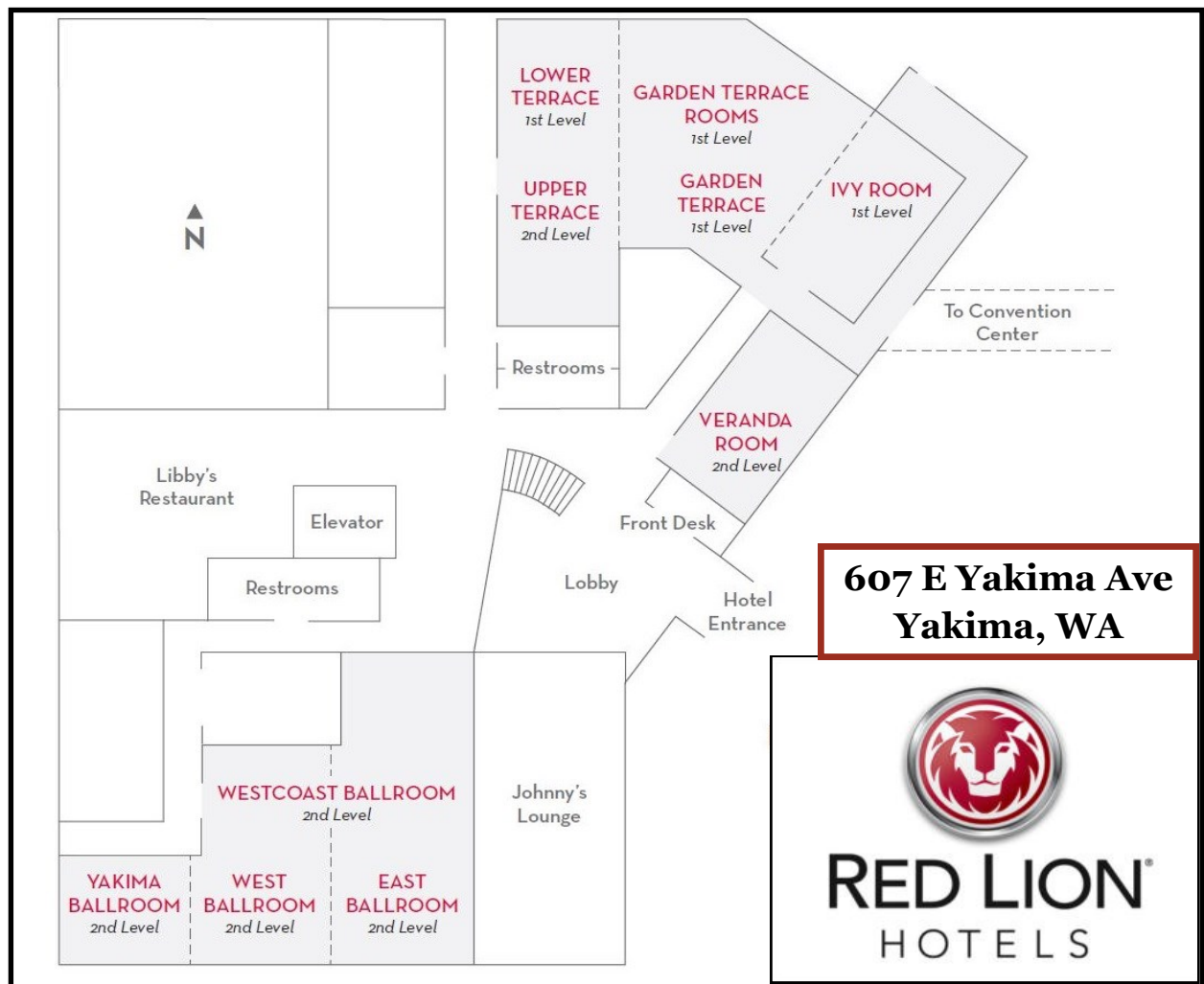
- Washington Landscapes
- At Work in the Field
- It's All There in Black and White
- Put a Bird on It
- My Favorite Tree

STUDENT MENTORING SESSION: An integral part of the annual meeting is student participation! We invite students to come meet TWS and SAF mentors to learn more about wildlife, forestry, and biology professions. Students will interact with professionals from private, state, and federal organizations to ask specific questions about career opportunities, experiences, and expectations. This session will also offer students a chance to gain perspective on organizational culture, learn about the different types of forestry and wildlife work that goes on within various sectors and agencies, and gain a better understanding of challenges and advancements in the professions as well as characteristics of a successful professional. Please join us on Wednesday from 5:00-6:00pm in YCC Room B to expand your wildlife and forestry network!

AWARDS BANQUET: The Banquet on Thursday evening is an opportunity for participants to mingle, dine, and enjoy camaraderie. We will be recognizing an array of accomplishments through awards to be presented by the partners hosting the Joint Meeting. There will be an opportunity to support the organizations through participation in the culminating Silent Auction and Raffle events. **Banquet tickets should be purchased in advance of the Joint Meeting through the online registration website.**

SILENT AUCTION/RAFFLE: The partner organizations hosting this meeting will conduct a silent auction and raffle for fund-raising to benefit organizational activities. Auction items arise from a wide array of donations from sponsors and members. Proceeds, by mutual agreement, are shared by the partners to support various initiatives such as scholarships, conservation grants, and similar endeavors. The raffle and silent auction will be held on Thursday evening in conjunction with the Banquet. Please be generous to donate and participate to support the WA-TWS Chapter and the WSSAF Foundation!

QUIZ BOWL: If you have attended a National SAF or TWS meeting, you may have seen or participated in this fun tradition where teams of student members meet in friendly competition to determine who has the most knowledge of forestry and wildlife science. Get a team together and show us your school spirit and what you know!



THANKS TO OUR SPONSORS!

PLATINUM



Washington Department of
FISH and WILDLIFE

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Grandy Lake Forest

SUPPORTING



John Walkowiak

Exhibitors

American Forest Management	Marisa Bass - marisa.bass@afmforest.com Erik Koenig - eric.koenig@afmforest.com
Cabela's	Stacy Wilson - stacy.wilson@cabelas.com
Cafferata Consulting	Christine Maynard - christine@cafferataconsulting.com Fran Cafferata Coe - fran@cafferataconsulting.com
Silviaterra	Max Nova - www.silviaterra.com
Vectronic Aerospace	Christina Akakpo - cakakpo@vectronic-aerospace.com
WA Dept. of Natural Resources	Melody Wolf - melody.wolf@dnr.wa.gov
WA Tree Farm Program	Elizabeth Ide - info@watreefarm.org
YVS, Inc.	Kenneth Vilante - yvsinc@gmail.com

SAF CONTINUING FORESTRY EDUCATION CREDITS AVAILABLE!: This event qualifies for up to **20 Category 1 CFE credits**. The credit limits that can be requested for the various components of the meeting are:

- March 28 Workshops - 5.0 CFE
- March 29 AM Sessions - 2.0 CFE
- March 29 PM Sessions - 3.0 CFE
- March 30 Plenary Sessions - 4.0 CFE
- March 30 PM Sessions - 2.0 CFE
- March 31 SAF Field Trip - 4.0 CFE

THE WILDLIFE SOCIETY has approved the WA-TWS 017 Joint Meeting for professional development credit. The Wildlife Society allows a maximum of **25.5 contact hours** in Category I of the Certified Wildlife Biologist Renewal/Professional Development Certificate Program for participation in the WA-TWS 2017 Joint Meeting. The credit limits that can be requested for the various components of the meeting are:

- 28 March - maximum 8 hrs (Workshop)
- 29 March - maximum 6.5 hrs (Concurrent Sessions; Poster Session is paired with reception and is thus ineligible for CEUs)
- 30 March - maximum 7 hrs (Plenary and Technical Sessions)
- 31 March - maximum 4 hrs (WA-TWS Business Meeting, Technical Sessions)

NOTE: Presentation and Poster abstracts are available online at
<http://wildlife.org/washington-chapter/>

NOTE: For Program Updates, Announcements, Job Opportunities, and Other Useful Information, Participants Should Examine the Notice Board Near the Registration Area.

Please Remember to Silence Your Cellphones During Presentations!

SCHEDULE AT A GLANCE

TUESDAY, MARCH 28

<i>ACTIVITY</i>	<i>TIME</i>	<i>LOCATION</i>
Registration	7:30am-4:00pm	Red Lion Lower Lobby
WORKSHOPS		
Forest Stewardship Plans	8:00am-12:00pm	Red Lion Lower Terrace
LUNCH (On Your Own)	12:00-1:00pm	
WORKSHOPS (CONTINUED)		
Timber Harvest Contracts and Compliance	1:00-5:00pm	Red Lion Lower Terrace
Forest Wetlands: Identification and Management	1:00-5:00pm	Red Lion Ivy Room
DINNER ON YOUR OWN		

WEDNESDAY, MARCH 29

<i>ACTIVITY</i>	<i>TIME</i>	<i>LOCATION</i>
Registration	7:30am-5:00pm	YCC Lobby 3
Exhibits (begin set up at 8:00am)	9:00am-9:00pm	YCC Lobby 3
MEETINGS		
WA TWS Executive Committee Meeting	8:00-8:45am	Red Lion Ivy Room
WSSAF Executive Committee Meeting	9:00am-12:00pm	Red Lion Upper Terrace
USFS Biologist Meeting	8:00-9:00am	Red Lion Veranda Room
CONCURRENT SESSIONS		
Hot Topics for Washington State Wildlife	9:00am-12:00pm	YCC Room F
Habitat for Wildlife	9:00am-12:00pm	YCC Room G
LUNCH (On Your Own)	12:00-1:15pm	
CONCURRENT SESSIONS		
Forest Certification & Timber Markets	1:20-3:00pm	YCC Room H
Predator / Prey Relations	1:20-2:40pm	YCC Room G
Forest Health and Ecological Integrity	1:20-3:20pm	YCC Room F

WEDNESDAY, MARCH 29-Continued

<i>ACTIVITY</i>	<i>TIME</i>	<i>LOCATION</i>
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CONCURRENT SESSIONS

Forest Certification & Timber Markets	3:30-5:00pm	YCC Room H
Predator / Prey Relations	3:30-4:30pm	YCC Room G
Forest Health and Ecological Integrity	3:40-5:00pm	YCC Room F

EVENING EVENTS

Student Mentoring Session	5:00-6:00pm	YCC Room B
Hosted Welcome Reception	6:00-9:00pm	YCC Room E
Poster Session	6:30-7:30pm	YCC Room E
Photo Contest	7:00-9:00pm	YCC Room B
Quiz Bowl	7:30-9:00pm	YCC Room F

THURSDAY, MARCH 30

<i>ACTIVITY</i>	<i>TIME</i>	<i>LOCATION</i>
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Registration	7:30am-4:00pm	YCC Lobby 3
Exhibits	8:00am-6:00pm	YCC Lobby 3
Photo Contest	8:00am-5:00pm	YCC Room B

PLENARY SESSION: FORESTS AND

WILDLIFE RESPONDING TO CHANGE	8:00am-12:00pm	YCC Room E
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HOSTED LUNCHEON—Speaker: Hilary Franz WA Commissioner of Public Lands	12:00-1:15pm	YCC Room E
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CONCURRENT SESSIONS

Forestry and Wildlife Research in Washington	1:20-4:10pm	YCC Room F
Thinning for Wildlife: Late and Early Seral Habitats	1:20-4:30pm	YCC Room G
IGNITE Presentations	1:20-4:00pm	YCC Room H

EVENING EVENTS

Awards Banquet (separate fee)	6:00-9:00pm	YCC Room E
Raffle / Auction		

FRIDAY, MARCH 31

<i>ACTIVITY</i>	<i>TIME</i>	<i>LOCATION</i>
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Membership Breakfast Business Meetings

Washington State Society of American Foresters	6:30-9:00am	Red Lion East Ballroom
The Wildlife Society Washington Chapter	7:30-9:00am	Red Lion West Ballroom

WATWS CONCURRENT SESSIONS

Wildlife Conservation	9:10am-12:00pm	Red Lion West Ballroom
Mesocarnivores	9:10am-12:00pm	Red Lion Upper Terrace
WSSAF FIELD TOUR	9:30am-2:30pm	Meet in Red Lion Lobby

DAILY SCHEDULE
Tuesday, 28 March

WORKSHOPS

8:00am-12:00pm

Forest Stewardship Plans

Red Lion Lower Terrace

This workshop will cover the essentials of preparing a forest stewardship plan. It will address the necessary baseline information, consideration of landowner desires and constraints, and opportunities to address healthy forests and wildlife. It will describe the basic process including templates and agency guidance, as well as recent updates in guidance.

LUNCH ON YOUR OWN

12:00-1:00pm

1:00-5:00pm

Timber Harvest Contracts and Compliance

Red Lion Lower Terrace

This workshop will cover the basics of written contracts regarding timber stand improvement (TSI) timber harvest and sales. It will also cover mechanisms for ensuring that operations are conducted according to plans and state and local regulations, and will provide enforcement options.

Forest Wetlands: Identification and Management

Red Lion Ivy Room

This workshop will cover the basics of using hydrology, vegetation, and soils to identify wetlands. It will focus on practical identification for forest practices purposes in the field. It will also discuss the need for special management as well as how certain entities are managing forested wetlands. Common challenges and opportunities will be discussed.

DINNER ON YOUR OWN

DAILY SCHEDULE
Wednesday, 29 March — Morning

	HOT TOPICS YCC Room F	HABITAT FOR WILDLIFE YCC Room G
9:00-9:10	Introduction Bill Vogel	Introduction Jeff Kozma
9:10-9:30	Copper bullets and outreach Leland Brown	A comparison of nutrition and foraging behavior between sympatric Mule and White-Tailed Deer in northeastern Washington Stephanie Berry, et al.
9:30-9:50	Assessing the potential effects of Treponeme-associated hoof disease on Elk population dynamics in southwest Washington Brock Hoenes, et al.	Western Gray Squirrel resource selection related to fire fuel management in the North Cascades Kathryn Stuart, et al.
9:50-10:10	White-nose syndrome in Washington: what we know, what we don't, and where we're going Katherine Haman & Abigail Tobin	Black Bear population density in the North Cascades: habitat and human influences Lindsay Welfelt, et al.
10:10-10:20	BREAK	
10:20 - 10:40	Update on the USDA Wildlife Services wildlife damage management program in Washington State Laurence Shafer	Simulation and evaluation of dynamics related to population expansion of introduced Mountain Goats in the Olympic Mountains of Washington State Melissa Oscarson & David Wallin
10:40 - 11:00	Eelgrass, dikes, and waterfowl management Kyle Spragens	Habitat use, density, and large prey selection by Bobcat on the northwest Olympic Peninsula, WA Rob McCoy & Shannon Murphie
11:00 - 11:20	Non-native Mountain Goats in the Olympic Mountains: would you like to meet your native cousins in the Cascades? Richard Harris & Patti Happe	Cougar predation and habitat use on the northwest Olympic Peninsula, WA Shannon Murphie
11:20 - 12:00	Grizzly Bear recovery planning in the North Cascades ecosystem Jack Oelfke	A simple, web-based tool to monitor spring waterfowl migration in the channeled scablands of eastern Washington Luke Wilde
LUNCH (On Your Own) 12:00—1:15 pm		

DAILY SCHEDULE
Wednesday, 29 March — Afternoon

FOREST HEALTH & ECOLOGICAL INTEGRITY YCC Room F		PREDATOR / PREY RELATIONS YCC Room G		FOREST CERTIFICATION & TIMBER MARKETS YCC Room H	
	Moderator: Rod Pfeifle		Moderator: Bill Vogel		Moderator: John Walkowiak
1:20-1:50	Historical structure, composition, and spatial patterning of fire-maintained forests of the eastern Cascades Richy Harrod & Melody Lane	1:20-1:40	Scavenging as a food acquisition strategy by Peregrine Falcons during the nonbreeding season in coastal Washington Dan Varland, et al.	1:20-1:40	SFI forest certification Julie Stangell, Stangell Consulting
1:50-2:20	Insect and pathogen responses to climate change in forest ecosystems Connie Mehmel	1:40-2:00	Resource competition and apparent competition in declining Mule Deer Robert Wielgus	1:40-2:00	American Tree Farm Program for Small Landowners Tammie Perreault, WA State Tree Farm Committee
2:20-2:50	Fire regimes in eastern Washington: contrasting the early 20th and 21st centuries Paul Hessburg	2:00-2:20	Seasonal diet of Southern Resident Killer Whales Brad Hanson, et al.	2:00-2:20	Experience on Forest Certification—opening remarks Terry Cundy, Potlatch
2:50-3:20	Prescribed fire-when, where and cost Matt Eberlein	2:20-2:40	Mortality of range livestock in wolf-occupied areas of Washington Jeff Brown, et al.	2:20-2:40	WA DNR experience with Dual Forest Certification Allen Estep, DNR
3:20-3:40	BREAK	2:40-3:30	BREAK	2:40-3:00	Certification values: All panelists
				3:00-3:30	BREAK
3:40-4:10	Restoring resilient stand structures, spatial patterns, and ecosystem functions: the ICO approach Derek Churchill, et al.	3:30-3:50	Wolf predation in livestock occupied areas of Washington State Gabe Spence & Robert Wielgus	3:30-4:00	North American Market Update – Pacific Northwest opportunities/challenges Joel Swanton, Forest2Market
		3:50-4:10	Forecasting cattle depredation risk by recolonizing Gray Wolves in Washington Zoe Hanley & Robert Wielgus	4:00-4:20	Bundling ecosystem services to increase forestland value and highlight multiple-use management on public lands Bob Deal & Nikola Smith
4:10-4:40	Forest restoration projects and the Carlton Complex – lessons learned David Peterson	4:10-4:30	Experiences with recovering wolves in northern Rocky Mountains TBD	4:20-4:40	Asian demand for Douglas-fir and hemlock William Schlosser, Lewis-Clark State College
4:40-5:00	Q&A / Discussion			4:40-5:00	Global market opportunities All panelists

Exhibitors	1:00-9:00pm	YCC Lobby 3
Student Mentoring Session	5:00-6:00pm	YCC Room B
Hosted Welcome Reception	6:00-9:00pm	YCC Room E
Poster Session	6:30-7:30pm	YCC Room E
Photo Contest	7:00-9:00pm	YCC Room B
Quiz Bowl	7:30-9:00pm	YCC Room F

POSTER SESSION

WEDNESDAY, 6:00-9:00pm; THURSDAY, 8:00am-4:00pm

YCC Room E

Evaluating tradeoffs in risks perceived by foraging herbivores. Meghan Camp

Do recolonizing wolves impact deer hunter success? Apryle Craig

Sage Grouse initiative: wildlife conservation through sustainable ranching. Helen Dowling

Do Greater Sage-grouse movements influence survival on the Yakima Training Center, Washington, USA. Kyle Ebenhoch

Prey use and parental care at Golden Eagle nests in western Washington timberlands.
Leif Hanson

Habitat use by Columbian White-tailed Deer along the lower Columbia River. Jon Heale

Monitoring biological response of wetlands and waterfowl following invasive rough fish removal.
Kelsey Lotz

Blood parasites in a Pacific Northwest woodpecker community. Teresa Lorenz

Assessing connectivity improvements across an interstate highway by testing use of habitat features by small mammals. Lindsay Millward

Pileated Woodpecker occupancy and the occurrence and recruitment of key habitat attributes in a managed forest. Amber Mount

Forest owner field days: a twenty-year success in Washington State. Andrew Perleberg

Win-win: the candidate conservation agreement with assurances for Fishers. Zach Radmer

Wolverine distribution and ecology in the North Cascades Ecosystem: preliminary results of a 10-year study. Catherine Raley

Assessing habitat connectivity for forest wildlife in central Vietnam. Peter Singleton

ACKNOWLEDGEMENTS: In addition to the Steering Committee, many people, too numerous to list fully, helped to make this Joint Meeting a success and they are thanked collectively. Those who served especially substantial roles in planning, coordinating, and conducting the Meeting include: Rod Pfeifle, Andy Perleberg, Jeff Kozma, Tom Hanson, Ken Bevis, Phil Hess, Bill Horn, Hannah Morrison, Sara Hanson, Dominic Bachman, Don Hanley, Annemarie Prince, Bruce Thompson, Dick Hopkins, and Connie Harrington.

PLENARY — FORESTS AND WILDLIFE RESPONDING TO CHANGE
Thursday, 30 March, 8:00am—12:00pm
YCC Room E

Plenary Session: “Forests and Wildlife Responding to Change”

The five invited Plenary speakers will address our meeting theme from their experience and knowledge highlighting cooperation, conflict and opportunities in managing issues where wildlife and forestry intersect.

Welcome	8:00 to 8:15
Introduction	8:15 to 8:30
Yakama Nation natural resources Phil Rigdon, Director of Natural Resources, Yakama Nation	8:30 to 9:00
Changing environments prompt changes in practices – the WSDOT experience Kelly McAllister, Habitat Connectivity Biologist, WSDOT	9:00 to 9:30
What has changed and how we adapt - a private industry perspective Jason Spadaro, President, SDS Lumber Co.	9:30 to 10:00
BREAK	10:00 to 10:15
Washington’s evergreen legacy: tools for and challenges to forestland conservation Jordan Rash, Conservation Director, Forterra	10:15 to 10:45
Burns for birds: benefits of prescribed fire for woodpeckers Kelly Lawrence, Naches District Ranger, Okanogan-Wenatchee National Forest	10:45 to 11:15
Panel Discussion Q&A	11:15 to 12:00

HOSTED LUNCHEON

12:00-1:00pm YCC Room E

SPEAKER: HILARY FRANZ

**Washington State Department of Natural Resources
Commissioner of Public Lands**

PRESENTATION: Fortifying habitat and communities – How landscape-level forest restoration can build healthy ecologies and economies in rural Washington

(Lunch is included in registration fee)



Hilary Franz was elected Washington’s 14th Commissioner of Public Lands in November 2016. A third generation farmer and small family forest landowner, she is committed to protecting the 5.6 million acres of state-owned forests, tidelands and farmlands so they can provide economic opportunity surrounding communities.

PLENARY SPEAKERS

PHILIP RIGDON



Philip Rigdon, the Yakama Nation Superintendent of the Department of Natural Resources, oversees programs protecting and enhancing forestry, fisheries, wildlife, water, and cultural resources throughout central Washington. He represents the Yakama Nation on the Yakima River Basin Water Enhancement Project Workgroup & Conservation Advisory Group. He has worked for the Yakama Nation for over 20 years within the Forestry and Natural Resources areas. He is currently the President of the Intertribal Timber Council and represents the Yakama Nation on the Tapash Sustainable Forest Collaborative. He earned a B.S. in Forest Management from the University of Washington in 1996 and a Master of Forestry from Yale School of Forestry and Environmental Studies in 2002.

KELLY MCALLISTER



Kelly McAllister is a lifelong resident of western Washington and graduate of the University of Washington's College of Fisheries. He has worked as a biologist for the State of Washington since 1980. He started his career with the Nongame Program of the Washington Department of Game, working on recovery of threatened and endangered species. He was the Department of Fish and Wildlife's District Wildlife Biologist for Pierce and Thurston Counties for ten years before taking the job of Habitat Connectivity Biologist for the Washington State Department of Transportation, a position he has held for the past ten years. Kelly's work at WSDOT is focused on making highways better for wildlife through new infrastructure and improvement projects.

JASON SPADARO



Jason Spadaro is President of SDS Lumber Company in Bingen, Washington. He is a graduate of the University of Washington in Forest Resource Management and also holds a Masters in Business Administration from the University of Oregon. He has worked for the SDS Lumber Company since 1990. He manages the business and investments of SDS Lumber Co. and related entities including 123,000 acres of commercial forestland, logging operations, lumber, plywood and wood products manufacturing, biomass and wind energy and real estate. Mr. Spadaro resides with his family in White Salmon, Washington. He is active in the business and local communities including roles on the Executive Committee of Washington Forest Protection Association, Association of Washington Business, Rotary Club of White Salmon/Bingen, and White Salmon Valley Education Foundation. In his free time he enjoys skiing, hunting and anything outdoors with his family.

PLENARY SPEAKERS

JORDAN RASH



Jordan is Conservation Director for Forterra where he leads conservation transactions in the South Sound and southern half of the Olympic Peninsula, working on projects ranging from acquiring parks and developing trails, to protecting working farms and forestlands throughout the region. Jordan represents Forterra in the Puyallup Watershed Initiative, advocating for the creation of a community forest within the Puyallup Watershed to protect water quality, fish and wildlife habitat, and public recreation access, and to maintain a working forest base for the rural economy. Before joining Forterra in 2012, he served on the executive staff of Commissioner of Public Land Peter Goldmark at the Washington State Department of Natural Resources, as well as legislative staff for elected officials from both parties in Oregon and Washington. While at Willamette University ('06), Jordan served as a firefighter for the U.S. Forest Service, and he still carries a Pulaski in his car during summer. Jordan enjoys fly fishing for wild Olympic Peninsula steelhead, and teaching his 5-year-old son how to fish. Jordan and his family live in University Place.

KELLY LAWRENCE



Kelly Lawrence has been the District Ranger on the Naches District of the Okanogan-Wenatchee National Forest for a little more than two years. Kelly's exposure to collaborative forest management started when she received a BS in Resource Recreation and Tourism from the University of Idaho. She works on landscape-level restoration projects that seek to balance in a Forest Service environment where we all must Protect the Land and Serve the People. Current wildlife projects include black-backed, three-toed, and white-headed woodpecker habitat enhancement using prescribed fire and mardon skipper habitat enhancement. In the summer she can be found bird watching from a kayak on Clear Lake with her two daughters, Alma and Hanna.

SCHEDULE
Thursday, 30 March — Afternoon

FOREST & WILDLIFE RESEARCH YCC Room F		THINNING FOR WILDLIFE: LATE & EARLY SERAL HABITATS YCC Room G	IGNITE TALKS (10 MINUTES EACH) YCC Room H
Moderator: Connie Harrington		Moderator: Tony Fuchs	Moderator: Katy Stuart
1:20-1:50	Wildlife and climate change: a vulnerability assessment for south-central Oregon Peter Singleton	Tree growth and stand development Bill Vogel	1:20 Conservation of Hooded Grebes in Argentina John Grettenberger
1:50-2:20	Adapting natural resource management to climate change in the PNW Jessica Halofsky & David L. Peterson	Logging for wildlife? Timber harvest management to promote wildlife habitat on the Lewis River Kendal Emmerson	1:30 Hazard becomes habitat Ken Bevis
2:20-2:40	Leveraging existing data to assess climate change vulnerability of wildlife Michael Case, et al.	Wildlife habitat elements in east Cascades fuels reduction projects: SLOPPS Ken Bevis	1:40 What's good for fish is good for others Alicia Higgs
2:40-3:00	Wildfires as catalysts of change in forest structures and composition in the interior PNW Dave Peterson	Variable density thinning thinning for wildlife habitat on National Forests Kevin Senderak	1:50 Washington State Sage-grouse Initiative 2.0 update Julie Unfried
3:00-3:30		BREAK	BREAK
3:30-3:50	Eastside forest management: follow the money Mark Rasmussen	Thinning for high-quality wood and economics J. Bailey & C. Whiston	3:30 Alternatives to toxic lead bullets in hunting big game Bill Vogel
3:50-4:10	Predator species identification from saliva at kill sites with limited remains Laurel Peelle & Aaron Wirsing	Ecological role of wildlife trees Tim Brown	
4:10-4:30		Snag Conservation Working Group: working to conserve snags on federal and private lands Jeff Kozma & Scott Downes	
Exhibitors		8:00-6:00pm	YCC Lobby 3
Awards Banquet (separate fee) /Raffle/Auction		6:00-9:00pm	YCC Room E

SCHEDULE
Friday, 31 March

	MESOCARNIVORES Red Lion Upper Terrace	WILDLIFE CONSERVATION Red Lion West Ballroom
	Moderator: Zach Radmer	Moderator: Tony Fuchs
9:10-9:30	Lynx Michael Case	Distribution, occupancy, and conservation status of the Cascade Red Fox in southern Washington Jocelyn Akins, et al.
9:30-9:50	Cascade Red Fox Tara Chestnut	Creative partnership for Columbian White-tailed Deer conservation through a Section 7 consultation Mark Bakeman & Kelly McAllister
9:50-10:10	Interagency Pacific Marten distribution study on the Olympic Peninsula, Washington Katie Moriarty et al.	Dynamics of an insular population of Western Gray Squirrels Matthew Vander Haegen, et al.
10:10-10:20	BREAK	
10:20-10:40	The Cascade Fisher Reintroduction Project in Washington: progress for Years 1 and 2 Jeff Lewis, et al.	Washington transportation maintenance staff assist with wildlife data collection Jeff Dreier & Marion Carey
10:40-11:00	Prey availability for reintroduced Fishers in the south Cascades of Washington Mitch Parsons & Laura Prugh	Monitoring wildlife crossings of state highways at bridges and culverts Kelly McAllister
11:00-11:20	The Fisher Candidate Conservation Agreement with Assurances and Fisher recovery in Washington Gary Bell	East meets west: ecological forestry approach to mitigate wildfire hazards and restore habitat for the reintroduction of the Northern Bobwhite Robert Williams

SCHEDULE
Friday, 31 March
WSSAF FORESTRY TRIP

***Central Washington Small Forest Landowner
Stewardship and Restoration Tour***

Friday 11:00am - 2:00pm

Meet at 9:30 am in Red Lion Lobby —Must provide your own transportation

Featuring: Field trip to the Hundley Family Forest

- Forest Health Improvement
- Wildfire Protection
- Fish and Wildlife Habitat Enhancement
- Conservation Easement
- Riparian Forest and Salmon Habitat Restoration
- Community and Landowner Education
- Innovative Partnership

Come learn about small forest landowner stewardship and restoration efforts along the Yakima River and the conservation easement program from Kittitas Land Trust staff. Speakers will include forest landowners Bill and Rick Hundley who will explain their efforts to implement forestry restoration on their property. You will also hear how technical assistance from forestry consultant Phil Hess and the EQIP program have provided opportunities to improve forest health and reduce fuels. Other speakers include:

- Andy Perleberg, WSU Extension Forester
- William Meyer, WA Dept. Fish & Wildlife
- Scott Chambers, Dept. Natural Resources
- Brent Dixon, Carri Gaines, NRCS
- Mitch Long, Kittitas Land Trust
- Scott Nicolai, Yakama Nation Fisheries

Meet at I-90 Exit 78— Golf Course Road (East Nelson Siding), 5 miles west of Cle Elum (N47°11.65', W 121° 3.158') at 11:00am.

Plenty of free parking is available, and lunch and beverages are included in the field trip fee. Restrooms, coffee, refreshments, drinking water available on site. You'll need to walk short distances over nearly level forested terrain. Mobility assistance available if requested in advance: Questions? **Andy Perleberg, WSU Extension, 509-667-6540, andyp@wsu.edu**. Please dress for the weather and wear sturdy footwear.



Forestry
WASHINGTON STATE UNIVERSITY
EXTENSION



Notes

**THANKS FOR
PARTICIPATING!**