

2022 CASCADIA PRAIRIE-OAK PARTNERSHIP CONFERENCE
Oak and Prairie Conservation at a Crossroads: Setting a Path for Success
November 7-10 | Vancouver, WA

CONFERENCE PROGRAM



Cascadia Prairie-Oak Partnership

Providing coordination for the technical prairie community in the Georgia Basin, Puget Trough, Willamette Valley and beyond.

cascadiaprairieoak.org

CPOP STEERING COMMITTEE

Thank you to the following individuals for assisting with the planning of the conference and for providing guidance and support year-round in their roles as Steering Committee members.



Bob Altman Avifuana Northwest

Ed Alverson Lane County Parks

Lindsay Cornelius Columbia Land Trust

Sara Evans-Peters Pacific Birds Habitat Joint Venture

Sarah Hamman Ecostudies Institute

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Jonathan Soll Metro

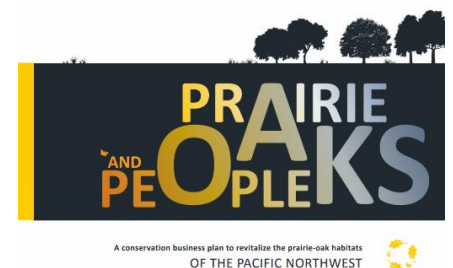
Jaime Stephens Klamath Bird Observatory

Elaine Stewart

LEARN MORE ABOUT CPOP

The Cascadia Prairie-Oak Partnership is a community of people and organizations that are involved in prairie-oak conservation and species recovery efforts in western Cascadia. CPOP strives to improve outcomes by facilitating increased collaboration, idea sharing and information transfer among the CPOP community.

Access over 450 technical documents in the **CPOP Technical Library**, join the **CPOP listserv** to share expertise, announce events, and more with over 800 members, and learn more about the CPOP community, regional partnerships, listed species, and more in the **Prairie, Oaks, and People Business Plan**. Find it all and more at cascadiaprairieoak.org.



FEATURED SPEAKERS

KEYNOTE | GABE SHEOSHIPS



Gabe is the Executive Director of the Friends of Tryon Creek, where he leads efforts focused on community building, environmental sustainability and protection of the natural world. Gabe is Cayuse and Walla Walla from the Confederated Tribes of the Umatilla Indian Reservation. Gabe has spent his life along the travel corridors and pathways of the Columbia and Willamette Rivers, following traditional migratory routes of his ancestors. Gabe has dedicated his life's work to protecting Indigenous First Foods, encouraging healthy ecosystems and empowering people to act as stewards of the land and water. In the Portland metropolitan area, Gabe has roots and relationships with Black, Indigenous, Immigrant and Refugee communities that date back to the 1980s. Through these relationships Gabe has

built and advocated for change and continued support to meet community needs that have shifted and grown in his 20 years of work. Gabe is a Commissioner for the City of Portland's Planning and Sustainability Commission. In other volunteer roles, Gabe serves as the Board President for the *Tributaries Network*, Co-Chair of *Nesika Wilamut*, and is a board member for the *Center for Diversity and the Environment* and *Freshwaters Illustrated*, three of the four being nonprofit organizations. Gabe has an MSc in Fisheries Biology from Oregon State University. Family, fatherhood, and friendship are what Gabe holds most important in this world. Gabe's talk is titled "Cultural Ecology of Place". *Photo by Alex Milan Tracy.*

The keynote address is Wednesday, November 9th from 8:30 am – 9:30 am in Discovery ABC.

BANQUET | ANDONY MELATHOPOULOS



Andony Melathopoulos is an Assistant Professor in Pollinator Health Extension in the Department of Horticulture at Oregon State University, which was the first such position in the US. He also sits on the Steering Committee of the Oregon Bee Project, which coordinates pollinator health work across state agencies, leads the [Oregon Bee Atlas](#) and hosts a weekly podcast called [PolliNation](#). In 2018 Andony was recognized with the national Pollinator Advocate award by the North American Pollinator Protection Campaign.

Andony's talk is titled "Take a Walk on the Wild Side: The Remarkable Wild Bees of Oak Prairies." Did you know the Pacific Northwest has over 900 species of bees? We say "over" because, in fact, no one really knows how many bees call the region home. Many of these bees call the oak savanna home. This talk will describe some of the strange and weird bees that call the oak savanna home, and the plants they depend on.

The banquet is Wednesday, November 9th at 6:00 pm in Pine/Spruce. Doors open at 5:30. *Ticket required.*



2022 CASCADIA PRAIRIE-OAK PARTNERSHIP CONFERENCE
Oak and Prairie Conservation at a Crossroads: Setting a Path for Success
November 7-10 | Vancouver, WA

SCHEDULE OF EVENTS

Hosted at the Hilton Vancouver Washington | 301 W 6th Street, Vancouver, WA 98660.

Tuesday, November 8

Registration/Check In **8:30 am – 10:00 am**
Continental Breakfast Provided

Welcome & Opening Symposium **10:00 am – 12:00 pm**
Room: Discovery ABC

PRAIRIE-OAK WILDLIFE, HABITAT RESTORATION, & MANAGEMENT: A DEEP DIVE ON COMPATIBILITY AND CONFLICT

This symposium will explore tradeoffs and tensions between restoration ecology and wildlife biology. When faced with conflicting needs and overlapping critical windows, how can we chart a path forward to do our best work? Panelists will lay out some of their primary concerns and discuss candidly the need to collaborate on difficult choices and the costs of making those decisions in isolation. *Suggestions for the panel's conversation are encouraged, see below to submit.*

Panel Members: **Bob Altman**, Avifauna Northwest; **Matt Blakely-Smith**, Greenbelt Land Trust; **Erica Henry**, Washington State University; **Nathan Johnson**, Washington State Parks; **Mo Majors**, Washington Department of Fish and Wildlife; and, **Katy Weil**, Metro. Moderated by **Elaine Stewart**.

This program will include brief presentations by panel members followed by discussion. If you would like to suggest a topic for discussion, write your question on an index card or use this link: <https://forms.gle/71VcFaDC59qEQr4J8>

Lunch **12:00 pm – 1:00 pm**
Soup, Salad, and Sandwiches Provided

Tuesday, November 8 (continued)

Concurrent Sessions 1:00 pm – 4:20 pm

Special Session | Prescribed Grazing as a Tool for Habitat and Species, Part I

Room: Discovery ABC

SUPPORTING ADOPTION OF CONSERVATION GRAZING PRACTICES FOR PRAIRIE SPECIES PROTECTION; OUTCOMES OF AND NEXT STEPS AFTER A 3-YR RESEARCH TRIAL. **Stephen Bramwell**, Washington State University Extension.

EXPANDING NATIVE PRAIRIE CONSERVATION VALUE TO GRAZED WORKING LANDS. **Sarah Hamman**, Ecostudies Institute.

PRESCRIBED GRAZING AS A HABITAT MANAGEMENT TOOL. **Jake Yancey**, Tracking Y Ranch.

PROMOTING OVIPOSITION HABITAT FOR OREGON SPOTTED FROG USING TARGETED SEASONAL GRAZING STRATEGIES. **Melissa Habenicht**, Ecostudies Institute.

Plant Communities

Room: Discovery DE

THE DECLINE OF SOUTH SOUND PRAIRIES: USING PLANT INTERACTIONS FOR CONSERVATION. **Alejandra Feliciano**, Washington State University.

ARE WE MAKING IT BETTER OR JUST DIFFERENT? SOUTH SOUND PRAIRIE MANAGEMENT A DECADE IN. **R. Adam Martin**, Ecostudies Institute.

SPATIOTEMPORAL PATTERNS OF RISING ANNUAL PLANT ABUNDANCE IN GRASSLANDS OF THE WILLAMETTE VALLEY, OREGON. **Paul B. Reed**, Institute for Applied Ecology.

GEOECOLOGY OF THE OLYMPIC MOUNTAIN RAINSHADOW; **Fred Sharpe**, Olympic Peninsula Prairies.

Break 2:20 pm – 2:40 pm

Snack Provided

Special Session | Prescribed Grazing as a Tool for Habitat and Species, Part II

Room: Discovery ABC

USING THE USDA-NRCS PASTURE CONDITION SCORING SYSTEM TO EVALUATE PRAIRIE GRAZING SYSTEMS. **Marty Chaney**, USDA NRCS.

GRAZING STRATEGIES TO SUPPORT AND ENHANCE ENDANGERED SPECIES. **Maynard Mallonee**, Mallonee Family Farms.

PANEL DISCUSSION: **Stephen Bramwell**, Washington State University Extension; **Marty Chaney**, USDA NRCS; **Melissa Habenicht**, Ecostudies Institute; **Sarah Hamman**, Ecostudies Institute; **Maynard Mallonee**, Mallonee Family Farms; **Jake Yancey**, Tracking Y Ranch.

Native Plants and Pollinators

Room: Discovery DE

STRATEGY AND GUIDANCE FOR MINIMIZING HYBRIDIZATION RISK OF GOLDEN PAINTBRUSH WITH HARSH PAINTBRUSH. **Erin Gray**, U.S. Fish and Wildlife Service.

RESTORING A WILLAMETTE VALLEY ENDANGERED ENDEMIC: ESTABLISHING WILLAMETTE DAISY FROM SEED IN THE WEST EUGENE WETLANDS. **Denise Giles**, Jean Fleming, Institute for Applied Ecology.

COMMUNITY-FOCUSED NATIVE PLANT PROJECTS TO AID RESTORATION IN URBAN AREAS. **Kristen Miskelly**, Satinflower Nurseries.

Tuesday, November 8 (continued)

Special Session | Prescribed Grazing as
a Tool for Habitat and Species
Room: Discovery ABC

See page 2 for session details.

Native Plants and Pollinators
*Room: Discovery DE
(continued)*

BEES DO IT, FLIES DO IT: POLLINATION BIOLOGY AND
POLLINATOR COMMUNITIES OF THE ENDANGERED
WILLAMETTE DAISY IN OREGON PRAIRIES. **Thomas N.
Kaye**, Institute for Applied Ecology.

WHICH BEES ARE VULNERABLE TO URBANIZATION?
DIFFERENCES IN BEE COMMUNITIES BETWEEN
URBAN AND RURAL SITES NEAR SALEM, OR. **Briana C.
Lindh**, Willamette University.

Break 4:20 pm – 4:30 pm

Welcome Mixer/Poster Session 4:30 pm – 6:00 pm
Hors d'oeuvres and one drink provided. Cash bar available.

SEE PAGE 13 FOR THE LIST OF POSTERS AND PRESENTERS.



Photo: Chris Linder

Wednesday, November 9

Registration/Check In Open **8:00 am – 8:30 am**
Continental Breakfast Available from 7:30 am – 8:30 am

Keynote Address **8:30 am – 9:30 am**
Room: Discovery ABC

“Cultural Ecology of Place”

Gabe Sheoships, Executive Director, Friends of Tryon Creek

Break **9:30 am – 10:00 am**

Concurrent Sessions **10:00 am – 12:00 pm**

Special Session | Revitalizing Fire Across Our Shared
Landscape
Room: Discovery ABC

Imperiled Butterflies
Room: Discovery DE

TENDING OAKS WITH CULTURAL FIRE. **Joseph Scott**,
Traditional Ecological Inquiry Program.

CONSERVATION ACTIONS TO SUPPORT THE
RECOVERY OF THE ISLAND MARBLE BUTTERFLY.
Julie K. Combs Washington Dept. of Fish and Wildlife.

PRESCRIBED FIRE EFFECTS ON ACORN FRUGIVORES
AND OAK CULTURAL RESOURCE SYSTEMS. **Arielle
Halpern**, Southern Oregon University.

MEASURING EFFECTIVENESS OF OREGON
SILVERSPOT HABITAT MANAGEMENT AND
REINTRODUCTIONS. **Erica Henry**, Washington State
University.

BURNING DOWN COLONIAL CONSTRUCTS: ONE
MOCCASIN IN THE BLACK. **Ka-Voka Jackson** and **Jae
Viles-Erdelt**, WV Fire Collaboration – Ecostudies Institute.

FENDER'S BLUE BUTTERFLY POST-FIRE
ASSESSMENT: A CASE STUDY. **Soledad Diaz**, Institute
for Applied Ecology.

PANEL DISCUSSION: Opportunities to reclaim and
revitalize cultural practices as part of ongoing land
stewardship: job opportunities for skill building and
professional growth; centering Tribal values and priorities
as part of Native and non-native led stewardship.

TAYLOR'S CHECKERSPOT LARVAL HABITAT PILOT
STUDY. **Andrew C Dechaine**, Washington Dept. of Fish
and Wildlife.

Jessica Douglas, Ecotrust Tribal Forestry Workforce
Development Project, Storyteller, Fire Practitioner; **Ayuthea
LaPier**, Traditional Ecological Inquiry Program Coordinator,
Fire Practitioner; **Dustin Hawks**, Confederated Tribes of
Grand Ronde Cultural Resources Department and Wildland
Firefighter; **Jesse Kidd**, **Katie MacKendrick**, and **Arianna
Nava**, WV Fire Collaboration - Ecostudies Institute.

THE RISE AND FALL OF TAYLOR'S CHECKERSPOT:
PATTERN OR PANDEMONIUM? **Mary Linders**,
Washington Dept. of Fish and Wildlife.

BRINGING BUTTERFLIES BACK TO BALD HILL FARM.
Andy Neill, Greenbelt Land Trust.

Wednesday, November 9 (continued)

Lunch 12:00 pm – 1:00 pm
Soup, Salad, and Sandwiches Provided

Lunchtime Info Session: Southwest Washington Prairie-Oak Working Group

Room: Discovery DE | 12:15 pm – 12:55 pm

Over the past 30 years, the conservation community has made significant investments in restoring prairie-oak habitat, establishing new populations of rare species, and expanding partnerships to include a diversity of people, places and priorities. The prairies and oak woodlands of SW Washington (particularly Clark, Cowlitz and Lewis counties) have received significantly less conservation attention than other regions despite the many important landscapes, species, and communities of people that call this area home. Join us to discuss needs, challenges and opportunities for collaborative conservation at our informational meet up about the SW Washington Working Group. *Hosted by Ecostudies Institute, WA DNR Natural Heritage Program, and USFWS Ecological Services and Partners for Fish and Wildlife Programs.*

Concurrent Sessions 1:00 pm – 2:40 pm

Imperiled Birds

Room: Discovery ABC

CONSERVING IMPERILED PRAIRIE-OAK BIRDS IN THE PUGET LOWLANDS OF WESTERN WASHINGTON. **Gary Slater**, Ecostudies Institute

TAKING THE LONG VIEW: WESTERN BLUEBIRD REINTRODUCTION IN THE SAN JUAN ISLANDS -- A LAND TRUST'S PERSPECTIVE. **Kathleen Foley Lewis**, San Juan Preservation Trust.

DEVELOPING A SURVEY PROTOCOL TO MONITOR DISTRIBUTION, ABUNDANCE & POPULATION TRENDS OF STREAKED HORNED LARK ON PRIVATE LANDS IN THE WILLAMETTE VALLEY, OR. **Stephanie Augustine**, Ecostudies Institute.

SONG DISCRIMINATION BETWEEN TWO SUBSPECIES OF VESPER SPARROW: *POOECETES GRAMINEUS AFFINIS* and *POOECETES GRAMINEUS CONFINIS*. **Timothy Leque**, Joint Base Lewis-McChord Fish and Wildlife Program, Colorado State University.

GRAZING GRASSLANDS FOR OREGON VESPER SPARROW. **Carolyn Menke**, Greenbelt Land Trust; **Bob Altman**, Avifauna Northwest.

Native Seeds & Plants

Room: Discovery DE

THE SALISH SEEDS PROJECT: A CASE STUDY IN DEVELOPING A LOCAL PLANT MATERIALS PROGRAM. **Eliza Habegger**, San Juan County Land Bank.

CAMAS AS A FOCAL SPECIES MOTIVATES COLLABORATIVE EFFORTS AND WET PRAIRIE RESTORATION AT TWO NATIONAL PARKS. **Thomas J. Rodhouse**, Kathryn Matthews, Devin S. Stucki, National Park Service.

LARGER-SIZED NATIVE SEED USED FOR RESTORATION AT HIGH RISK OF RODENT PREDATION IN RECENTLY BURNED GLACIAL-OUTWASH PRAIRIES. **Gina Smith**, JBLM Fish & Wildlife.

SEEDS FOR CHANGE: PRESERVING OAK PRAIRIE FORBS FOR AN UNKNOWN FUTURE. **Adrienne St. Clair**; Jonathan Soll, Marsha Holt Kingsley, Metro Regional Government.

SUCCESS STORIES & LESSONS LEARNED FROM A NATIVE SEED PARTNERSHIP **Kate Wellons**, Institute for Applied Ecology.

Wednesday, November 9 (continued)

Break **2:40 pm – 3:00 pm**
Snack Provided

Workshop **3:00 pm – 5:00 pm**
Room: Discovery ABC

Diversity, Equity, and Inclusion Workshop

This workshop, led by the Center for Diversity and the Environment (CDE) will provide a primer for diversity, equity, and inclusion change work. In this workshop, CDE staff will provide context and inspiration for inclusion work, discuss the imperative to diversify, showcase successful efforts to approach what may feel like a daunting issue, and describe what it takes to create a successful and relevant environmental institution and movement today and into the future.

After a presentation and some small group discussion, we may head outside for some fresh air and movement while we continue our discussions. Plan accordingly! *Thank you to Metro for making this workshop possible with their support.*

Break **5:00 pm – 6:00 pm**

Banquet **6:00 pm – 8:00 pm** (Ticket Required)
Room: Pine/Spruce. Doors open 5:30 pm.

“Take a Walk on the Wild Side: The remarkable wild bees of oak prairies” Andony Melathopoulos, Oregon State University

Did you know the Pacific Northwest has over 900 species of bees? We say “over” because, in fact, no one really really knows how many bees call the region home. Many of these bees call the oak savanna home. This talk will describe some of the strange and weird bees that call the oak savanna home, and the plants they depend on.



Photo: Chris Linder

Thursday, November 10

Registration/Check In Open **8:00 am – 8:30 am**
Continental Breakfast Available from 7:30 am – 8:30 am

Concurrent Sessions **8:30 am – 12:00 pm**

Special Session | Camas Communities and Collaborations:
A Cross-Cultural Conversation on Advocacy, Restoration,
Co-Management and Conservation
Room: Discovery ABC

ARCHAEOLOGICAL CONTRIBUTIONS TO CAMAS
CONSERVATION. **Molly Carney**, University of Arkansas.

RESTORING CAMAS AND RECONSTRUCTING
KALAPUYA CULTURE AND HISTORY. **David G. Lewis**
Oregon State University; Citizen of the Confederated Tribes
of Grand Ronde, (Santiam, Chinook, Takelma, Molalla).

RESTORATION STRATEGIES FOR PROPAGATION OF
CAMASSIA QUAMASH ON THE WEIPPE PRAIRIE **Katy
Matthews** National Park Service.

TRIBAL KNOWLEDGE SENSITIVITY. **Clarice Paul**,
Wanapum Band.

CAMAS AS A CULTURAL KEYSTONE AND LONG-TERM
INDIGENOUS ECOLOGICAL MANAGEMENT OF CAMAS
PLACES. **Linda Storm**, Ethnoecologist/Ethnobotanist;
William Thoms, Confederated Tribes of the Chehalis
Reservation.

Mapping and Monitoring Oak Ecosystems
Room: Discovery DE

CONSERVATION IMPLEMENTATION STRATEGY:
CONSERVING OAK HABITATS ON WORKING LANDS,
FOUR YEARS LATER. **Nicole Ahr**, Clackamas Soil and
Water Conservation District.

AN OAK MONITORING TOOL FOR HABITATS EAST OF
THE CASCADES. **Mary Bushman**, Columbia Land Trust.

WHAT HAPPENED HERE? OAK SYSTEM
CLASSIFICATION AND ASSESSMENT IN A COMPLEX
LANDSCAPE. **Lindsay Cornelius**, Columbia Land Trust.

INVENTORY AND CONNECTIVITY ASSESSMENT
METHODS FOR Q. GARRYANA HABITATS. **Lori
Hennings**, Metro.

MAPPING PRIORITY OAK HABITAT IN THE GREATER
PORTLAND-VANCOUVER REGION. **Nicole Ruggiero**,
Tualatin Soil and Water Conservation District.

Break **10:10 pm – 10:30 pm**

Special Session | Camas Communities
and Collaborations: Part II
Room: Discovery ABC

THE CAMAS COLLABORATIVE. **Joyce LeCompte**,
Camassia Resource Stewardship and **Sarah Hamman**,
Ecostudies Institute.

Restoration Approaches
Room: Discovery DE

OAK AND PRAIRIE RESTORATION AT ROCKY POINT,
BRITISH COLUMBIA - THE IMPORTANCE OF
PERSISTENCE AND LUCK. **James Miskelly**, Natural
Resources Canada.

Thursday, November 10 (continued)

Special Session | Camas Communities
and Collaborations: Part II
*Room: Discovery ABC
(continued)*

Restoration Approaches
*Room: Discovery DE
(continued)*

TITLE TBD. **Joseph Scott**, Traditional Ecological Inquiry Program.

PANEL DISCUSSION: **Molly Carney**, University of Arkansas; **Joyce LeCompte**, Camassia Resource Stewardship; **David G. Lewis** Oregon State University; **Sarah Hamman**, Ecostudies Institute; **Katy Matthews** National Park Service; **Clarice Paul**, Wanapum Band; **Joseph Scott**, Traditional Ecological Inquiry Program; **Linda Storm**, Ethnoecologist/Ethnobotanist; **William Thoms**, Confederated Tribes of the Chehalis Reservation.

THE RESTORATION OF GARRY OAK/ROCKY BALD HABITAT ON JONES ISLAND USING PRESCRIBED FIRE AND DIRECT SEEDING. **Samantha Martin**, Ecostudies Institute.

HOGS, HAZELNUTS, AND HAWKS: ADAPTIVELY MANAGING FOR WILDLIFE IN THE AGRICULTURAL-WILDLAND MATRIX. **Calvin Penkauskas**, University of Oregon.

Lunch **12:00 pm – 1:00 pm**
Soup, Salad, and Sandwiches Provided

Concurrent Sessions **1:00 pm – 2:00 pm**

Species and Soldiers
Room: Discovery ABC

Restoration Impacts and Outcomes
Room: Discovery DE

A UNIQUE COLLABORATION FOR PRAIRIE RESTORATION: THE JBLM SENTINEL LANDSCAPE PARTNERSHIP PROGRAM. **Dan Calvert**, JBLM Sentinel Landscape Partnership Program.

THREE-LEGGED RACE: INNOVATIVE CONSERVATION PLANNING WITH DEPARTMENT OF DEFENSE. **Zachary Radmer**, U.S. Fish and Wildlife Service.

PRAIRIE HABITAT RESTORATION ON JOINT BASE LEWIS-MCCHORD: AN ADAPTIVE AND COLLABORATIVE APPROACH. **Gina Smith**, Joint Base Lewis-McChord Fish & Wildlife, JBLM, WA

TRIAL AND ERROR: OAK THINNING MANAGEMENT OUTCOMES AT DILLACORT CREEK NATURAL AREA. **Lindsay Cornelius**, Columbia Land Trust.

AN INTEGRATIVE APPROACH TO ASSESSING THE ECOLOGICAL IMPACTS OF SUCCESSION AND RESTORATION IN OREGON WHITE OAK HABITAT. **Ava R. Howard**, Western Oregon University.

CONIFER ENCROACHMENT AND REMOVAL IN A NORTHERN CALIFORNIA OAK WOODLAND: INFLUENCES ON ECOSYSTEM PHYSIOLOGY AND BIODIVERSITY. **Lucy P. Kerhoulas**, Humboldt State University.

Short Break **2:00 pm – 2:10 pm**

Thursday, November 10 (continued)

Closing Symposium 2:10 pm – 3:15 pm

Room: Discovery ABC

PRAIRIE-OAK WILDLIFE, HABITAT RESTORATION, & MANAGEMENT:
REFLECTIONS AND A LOOK TO THE FUTURE.

Panel Members: **Bob Altman**, Avifauna Northwest; **Matt Blakely-Smith**, Greenbelt Land Trust; **Erica Henry**, Washington State University; **Nathan Johnson**, Washington State Parks; **Mo Majors**, Washington Department of Fish and Wildlife; and, **Katy Weil**, Metro. Moderated by **Elaine Stewart**.

Conference Adjourns 3:15 pm

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POSTER SESSION – Tuesday, November 8 at 4:30 pm

A PILOT STUDY OF THE ECOLOGICAL HISTORY OF OREGON WHITE OAKS IN BUSH PASTURE PARK, SALEM OREGON. David P. Craig, **Kaiona Apio**, **Emelia Sherman**, **Maddy Specht**, Willamette University, Department of Biology.

REINTRODUCTION OF THE FEDERALLY-THREATENED STREAKED HORNED LARK: (*Eremophila alpestris strigata*): DEVELOPING EFFECTIVE RELEASE TECHNIQUES AND AN IMPLEMENTATION STRATEGY. **Keith Bagnall**, Ecostudies Institute

RESEARCH OPPORTUNITIES IN OAK AND PRAIRIE, EAST OF THE CASCADES. **Mary Bushman**, East Cascades Oak Partnership.

CREATING COMMUNITY THROUGH CAMAS. **Molly Carney**, University of Arkansas; **Katy Matthews**, National Park Service; **Clarice Paul**, Wanapum Band; **Linda Storm**.

VARIATION IN TERRESTRIAL INVERTEBRATE COMMUNITIES ACROSS HABITATS IN AN ENDANGERED OAK ECOSYSTEM. **Jessica Chong**, Western Oregon University.

A REVIEW OF THE DIET AND FOOD WEB FOR SLENDER-BILLED NUTHATCHES. **David P. Craig**, **Blake Carlile**, Willamette University, Department of Biology.

LIVESTOCK GRAZING AS A TOOL FOR MANAGING KINCAID'S LUPINE (*Lupinus oregonus* var. *kincaidii*): THE INTERSECTION OF RARE SPECIES RECOVERY AND SUSTAINABLE LIVESTOCK FARMING. **Cassie Doll**, **Nick George**, **Erin Gray**, U.S. Fish and Wildlife Service; **Maynard Mallonee**, Mallonee Family Farms; **Marty Chaney**, U.S. Department of Agriculture Natural Resources Conservation Service.

NATIVE PLANTS GROWN AS HAZELNUT COVER CROPS INCREASE SOIL MOISTURE AND BENEFIT NATIVE POLLINATORS. **Marissa Lane-Masse**, Lane-Masse Farms.

DOES THE FLOAT TEST WORK TO ACCURATELY PREDICT OREGON WHITE OAK ACORN VIABILITY AND DAMAGE BY INSECTS? **Anastasia Popchock**, Western Oregon University.

VARIATION IN FORM, GROWTH AND REPRODUCTION OF QUERCUS GARRYANA ACROSS HABITATS IN AN ENDANGERED OAK ECOSYSTEM. **Hannah Porter**, **Emil Ricci**, **Ariella Estrada**, **America Betancourt Perez**, **Calvin Cade**, **Marco Galindo**, **Jakob Gutheridge**, **Triston Hesedahl**, **Justin Ingram**, **Brooke Roberts**, **Calder Smith**, **Madison Smith**, **Heather Tovar**, Ava Howard, Western Oregon University

OLYMPIC PENINSULA PRAIRIES; **Fred Sharpe**, Olympic Peninsula Prairies (OPP); **Anita McMillan**, Washington Dept. of Fish and Wildlife & OPP.

GROWING OAKS - A STORY OF PROPAGATING HOPE ONE ACORN AT A TIME. **Grace Shiffrin**, **Angelina Wang**, Willamette University.

RARE BUTTERFLY MANAGEMENT IN THE RAINIER TRAINING AREAS AT JBLM. **Mollie Steele**, **R. Adam Martin**, Ecostudies Institute

THE LEGACY OF OAKS - COLLECTING IMPRESSIONS ACROSS GENERATIONS AND LOCATIONS. **Angelina Wang**, **Grace Shiffrin**, **Isabella Stone**, **Sophia Rosenberg**, Willamette University.

