

Poster Session

Arranged by last name of presenting author (*italicized*)

THE EFFECTS OF MARINE RESERVES ON REGIONAL GROUND FISH DIVERSITY WITHIN THE SAN JUAN ARCHIPELAGO, WASHINGTON.

Kwasi Addae, The Evergreen State College, Olympia, WA

APPLICATIONS OF A NEW LICHEN CHEMICAL DATABASE.

Elisa Alphanthary, Bruce McCune, Oregon State University, Corvallis, OR

POPULATION DYNAMICS OF COLUMBIAN SPOTTED FROGS (*RANA LUTEIVENTRIS*) IN NORTHEAST OREGON

Devin Bailey, Marcus James, Cathryn Polehn, Laura A. Mahrt, Eastern Oregon University, La Grande, OR

THE IMPACTS OF SPACING ON TREE GROWTH, MORTALITY AND TREE CROWN DEVELOPMENT.

Sheel Bansal, Robert O. Curtis, Constance A. Harrington, USDA Forest Service, Pacific Northwest Research Station, Olympia, WA

BEE DIVERSITY IN THE BITTERROOT VALLEY.

Skyler Burrows, Marirose Kuhlman, MPG Operations, LLC, Missoula, MT

SPATIAL INTERPOLATION APPROACH OF TEMPERATURE OBSERVATIONS FOR THE STATE OF WASHINGTON.

Oscar Castillo, Gerrit Hoogenboom, Melba Salazar, Bernardo Chaves, Nicholas Loyd, Sean Hill, Washington State University – Prosser, Prosser, WA

MYSTERIES OF THE CORE: AN INTERACTIVE GAME ABOUT SCIENTIFIC OCEAN DRILLING AND A GLACIAL LAKE MISSOULA OUTBURST FLOOD.

Patrice Ceisel, Ceisel & Associates Inc., Chicago, IL; Barbara A. Becker, Exhibit Planning & Research, Berwyn, IL

FIRE HISTORY RECONSTRUCTION OF LEMANASKY LAKE, EASTERN CASCADES, WA.

Grant J. Clifton, Megan K. Walsh, Central Washington University, Ellensburg, WA

MODERATE, LOCALIZED WATER DEFICIT POSSIBLE IN WILLAMETTE BASIN OVER 21ST CENTURY.

Roy Haggerty, John Bolte, Sam Chan, *Dave Conklin*, William Jaeger, Christian Langpap, Phil Mote, Anne Nolin, Andrew Plantinga, David Rupp, Mary Santelmann, Desirée Tullos, Dave Turner, Kellie Vaché, Dan Bigelow, Matt Cooper, Matt Cox, Kelly Gleason, Kathleen Moore, Travis Roth, Cynthia Schwartz, James Sulzman, Maria Wright, Oregon State University, Corvallis, OR; Dave Hulse, University of Oregon, Eugene, OR; Heejun Chang, Portland State University, Portland, OR; Andrew Plantinga, University of California at Santa Barbara, Santa Barbara, CA

COLIFORM BACTERIA IN THE END CREEK WETLANDS.

Joseph A. Corsini, Karen Antell, Chung Pak, Brian Tarpy, Eastern Oregon University, La Grande, OR; Larry R. Peters, Aquinas College, Grand Rapids, MI

ASPICILIA PHYLOGENETICS: RECONCILING MORPHOLOGICAL PLASTICITY WITH MOLECULAR DATA.

Joseph Di Meglio, Bruce McCune, Oregon State University, Corvallis, OR

POST-GLACIAL FIRE AND VEGETATION HISTORY OF HORSETAIL LAKE IN THE TEANAWAY AREA OF THE CENTRAL EASTERN CASCADES, WASHINGTON.

Serafina Ferri, Megan Walsh, Central Washington University, Ellensburg, WA

COMBINING FIELD AND GREENHOUSE EXPERIMENTS TO UNDERSTAND THE RELATIONSHIP BETWEEN CLIMATE AND BUDBURST IN COAST DOUGLAS-FIR (*PSEUDOTSUGA MENZIESII* VAR. *MENZIESII*)

Kevin R. Ford, Constance A. Harrington, USDA Forest Service, Pacific Northwest Research Station, Olympia, WA

FIRE REGIME DYNAMICS OF FISH LAKE, BLUE MOUNTAINS, OREGON.

Christopher Goodner, Megan Walsh, Central Washington University, Ellensburg, WA

UNDERSTANDING TEMPERATURE INVERSIONS AND IMPROVING FROST FORECASTING FOR CENTRAL WASHINGTON GROWERS.

Jonathan Gramann, Gerrit Hoogenboom, Washington State University – Prosser, Prosser, WA

IMPACT OF CLIMATE CHANGE ON WHEAT PRODUCTIVITY AT FARMERS' FIELD IN PAKISTAN.

Muhammad Habib ur Rahman, Ashfaq Ahmad, Fahd Rasul, Aftab Wajid, Tasneem Khaliq, Muhammad Shaukat, University of Agriculture, Faisalabad, Punjab, Pakistan; Gerrit Hoogenboom, Washington State University – Prosser, Prosser, WA

MEASURING THE BIOTIC INTEGRITY OF MIDDLE FORK JOHN DAY RIVER, OR. WITH RESTORATION

Robin M. Henderson, James R. Pratt, Washington State University – Tri-Cities, Richland, WA

THE ORIGIN OF XENOLITHS WITH CUMULATE TEXTURES FOUND ABOVE THE SUBSURFACE EXTENSION OF THE STILLWATER COMPLEX, MT.

Cassandra Hennings, Jennifer A. Thomson, Eastern Washington University, Cheney, WA; Michael L. Zientek, US Geological Survey, Spokane, WA

A POPULATION GENETIC INVESTIGATION OF THE COLUMBIA SPOTTED FROG (*RANA LUTEIVENTRIS*) IN EASTERN OREGON.

Marcus James, Devin Bailey, Mackenzie Graham, Jacob Johnstun, Cathryn Polehn, John E. Rinehart, Laura A. Mahrt, Eastern Oregon University, La Grande, OR; Rosie Alberts, La Grande High School, La Grande, OR

ORIGIN OF ENIGMATIC ROCKS LOCATED NORTH OF THE STILLWATER COMPLEX, MONTANA.

M. Christopher Jenkins, Jennifer A. Thomson, Eastern Washington University, Cheney, WA; Michael L. Zientek, US Geological Survey, Spokane, WA

CALIFORNIA BEARING RATIO (CBR) OF PALOUSE SOIL NEAR THE EASTERN WASHINGTON UNIVERSITY CAMPUS, CHENEY, WA.

Alexander J. Fry, M. Christopher Jenkins, Duc Minh Nguyen, Richard L. Orndorff, Eastern Washington University, Cheney, WA

OPTIMAL MOISTURE CONTENT FOR COMPACTION OF PALOUSE SOIL NEAR THE EASTERN WASHINGTON UNIVERSITY CAMPUS, CHENEY, WA.

Jessica Reed, Dallin Jensen, Ashleigh Gertsch, Vanessa Jordan, Richard Orndorff, Eastern Washington University, Cheney, WA

ETHANOL IN DOUGLAS-FIR ROOTS STRESSED BY *PHELLINUS SULPHURASCENS* INFECTION: IMPLICATIONS FOR DETECTING DISEASED TREES AND BEETLE HOST SELECTION.

Rick G. Kelsey, Doug Westlind, Walter G. Thies, USDA Forest Service, Pacific Northwest Research Station, Corvallis, OR; Gladwin Joseph, Azim Premji University, Bangalore, India

ARSENIC CONTENT OF THE LATAH FORMATION AND ITS POTENTIAL FOR GROUNDWATER CONTAMINATION.

Ian Leavy, Pacific Northwest National Laboratory, Richland, WA; Carmen A. Nezat, Eastern Washington University, Cheney, WA

USCS CLASSIFICATION OF PALOUSE SOIL NEAR THE EASTERN WASHINGTON UNIVERSITY CAMPUS, CHENEY, WA.

Brea D. Lund, Shyla A. Hatch, Pedro Severino, Tatiany Santos, Richard L. Orndorff, Eastern Washington University, Cheney, WA

INVESTIGATION OF NITRATE HOTSPOTS IN SPOKANE COUNTY.

Justin Luppens, Chad Pritchard, Eastern Washington University, Cheney, WA

190 YEARS LATER: THE REDISCOVERY OF *POLYPYRENULA ALBISSIMA* AN ENIGMATIC FUNGUS PREVIOUSLY BELIEVED TO BE EXTINCT.

Ricardo Miranda-González, Oregon State University, Corvallis, OR.; André Aptroot, ABL Herbarium, Soest, The Netherlands; Robert Lücking, The Field Museum, Chicago, IL; María de los Angeles Herrera-Campos, Universidad Nacional Autónoma de México, D. F. México; Bruce McCune, Andy Jones, Oregon State University, Corvallis, OR.

SONGBIRD DIVERSITY OF SAGE-STEPPE HABITAT IN EASTERN WASHINGTON: PRELIMINARY RESULTS FROM A COMMUNITY-SCIENCE RESEARCH PROGRAM.

Lori Wollerman Nelson, Lower Columbia Basin Audubon Society, Richland, WA; Christi Norman, Audubon Washington, Seattle, WA; Matthew Vander Haegen, Washington Department of Fish and Wildlife, Olympia, WA

NATURALLY-OCCURRING ARSENIC CONTAMINATION IN RICE PRODUCTS IN NORTHERN VIETNAM.

Duc M. Nguyen, Carmen A. Nezat, Eastern Washington University, Cheney, WA

A METHODOLOGICAL APPROACH TO DETERMINE FLOWER BUD VULNERABILITY TO LOW TEMPERATURE DURING EARLY SPRING.

Andres J Peña Q, Melba R Salazar G, Gerrit Hoogenboom, Washington State University – Prosser, Prosser, WA

WATER QUALITY AND ALGAE DYNAMICS IN TEN MOUNTAIN LAKES ALONG THE MOUNTAIN LOOP HIGHWAY, WASHINGTON.

Katy Pfannenstien, Robin Matthews, Western Washington University, Bellingham, WA

HOLOCENE FIRE HISTORY OF GREEN LAKE, EASTERN CASCADES, WASHINGTON, DETERMINED USING HIGH-RESOLUTION MACROSCOPIC CHARCOAL ANALYSIS.

Dusty Pilkington, Megan Walsh, Central Washington University, Ellensburg, WA

SNOWPACK AS A RESERVOIR OF NITROGEN DEPOSITION IN SUBALPINE ECOSYSTEMS OF THE CASCADES.

Justin Poinsette, Sarah M. Anderson, Ben A. Harlow, R. Dave Evans, Washington State University, Pullman, WA

A TWO COUNTY COMPARISON OF PARASITE LOAD IN THE COLUMBIAN SPOTTED FROG (*RANA LUTEIVENTRIS*)

Cathryn Polehn, Marcus James, Devin Bailey, Dr. Laura A. Mahrt, Eastern Oregon University, La Grande, OR

HOLOCENE FIRE RECONSTRUCTION OF THE LONG LAKE AREA NEAR RIMROCK RESERVOIR IN THE EASTERN CASCADES, WASHINGTON.

Zoe Rushton, Megan Walsh, Central Washington University, Ellensburg, WA

CLIMATIC TRENDS, BIOCLIMATIC INDICES AND THE RELATION TO WINE-GRAPE HARVEST QUALITIES.

Corydon Funk, Melba Salazar, Bernardo Chaves, Gerrit Hoogenboom, Washington State University – Prosser, Prosser, WA; Rick Hamman, Hogue Ranches, Prosser, WA; Bill Riley, Ste. Michelle Winery Estates, Woodinville, WA

CHARCOAL PRODUCTION IN MIXED-CONIFER FOREST UNDER HIGH SEVERITY INITIAL FIRE AND REPEAT BURNS.

Aspen Ward, University of Montana, Missoula, MT; C. Alina Cansler, University of Washington, Seattle, WA; Andrew J. Larson, University of Montana, Missoula, MT

THE SHORT-TERM EFFECT OF DIFFERENT ANESTHETICS ON RAINBOW TROUT (*ONCORHYNCHUS MYKISS*) SWIMMING ABILITY.

Shawna Warehime, Jessica Walston, Krisztian Magori, Allan Scholz, Mark Paluch, Eastern Washington University, Cheney, WA

MARINE NUTRIENT SUBSIDIES IN INLAND RIPARIAN FORESTS OF THE COLUMBIA RIVER BASIN.

Tadd A. Wheeler, University of Idaho, Moscow, ID; Kathleen L. Kavanagh, Texas A&M University, College Station, TX; Andrea Noble-Stuen, University of Idaho, Moscow, ID

UNCONFINED COMPRESSIVE STRENGTH OF PALOUSE SOIL NEAR THE EASTERN WASHINGTON UNIVERSITY CAMPUS, CHENEY, WA.

Wesley Silvey, Forest Trampush, Michael Wilson, Richard Orndorff, Eastern Washington University, Cheney, WA

DIET, AGE AND GROWTH OF THREE CYPRINID FISHES IN THE UPPER COLUMBIA RIVER DRAINAGE, WASHINGTON.

Bryan Witte, Eastern Washington University, Cheney, WA

ENVIRONMENTAL FACTORS TRIGGERING THE EMERGENCE OF *EUSTENOPUS VILLOSUS* AND *LARINUS CURTUS* WITHIN *CENTAUREA SOLSTITIALIS* POPULATIONS ON THE KRAMER PRAIRIE IN SOUTHEASTERN WASHINGTON.

Steven Woodley, Benjamin Zamora, Washington State University, Pullman, WA