

**POSTER SESSION AT-A-GLANCE**  
(in order of presenting author [italized])

**THE INFLUENCE OF FIRE ON HERBACEOUS COMMUNITY COMPOSITION OF SUBALPINE PARKLAND IN THE NORTH CASCADES.**

*Justine Andreychuk*, C. Alina Cansler, University of Washington, Seattle, WA; Donald McKenzie, U.S. Forest Service, Seattle, Washington

**TEST OF THE EFFECTIVENESS OF BOKASHI AMENDMENT FOR A CAMPUS COMPOSTING PILOT STUDY.**

*Talinna Appling*, M. Departee, Z. Eddy, P. Rychener, A. Hartshorn, Montana State University, Bozeman, MT

**GROUND BEETLE (COLEOPTERA: CARABIDAE) POPULATIONS IN WESTERN WASHINGTON PRAIRIES AND GARRY OAK STANDS.**

*Rachel L Bietz*, Evergreen State College, Olympia WA; Chris Maynard, Washington State Department of Ecology, Lacey, WA

**PLANT-POLLINATOR INTERACTIONS IN A NORTHWEST ARUM ARE INFLUENCED BY PLANT TRAITS, NOT RIPARIAN FOREST MANAGEMENT.**

*Matthew R. Brousil*, Chris Humann, and Dylan Fischer, Evergreen State College, Olympia, WA

**CHARACTERIZING STREAMFLOW RESPONSE TO IRRIGATION USING COUPLED HYDROLOGIC AND AGROECONOMIC MODELS.**

*Douglas R. Brugger*, Marco P. Maneta, University of Montana, Missoula, MT

**THE EFFECT OF LAND USE AND LAND MANAGEMENT ON CARBON SEQUESTRATION AT CABIN CREEK RANCH IN SHEPHERD, MONTANA.**

*Hailey Buberl*, Clayton Marlow, Montana State University, Bozeman, MT; Stephanie Ewing, Montana State University, Bozeman, MT

**A COMPARISON OF THE PARKER POINT INTERCEPT AND DAUBENMIRE CANOPY COVER VEGETATION SAMPLING METHODS USED AT THE LOST TRAIL NATIONAL WILDLIFE REFUGE, MARION, MONTANA.**

*Joshua Buckmaster*, Clayton Marlow, Montana State University, Bozeman, MT

**CAN ZIRCONIUM SERVE AS AN INDICATOR OF POST-FIRE SOIL BURN SEVERITY?**

*Russell Callahan*, Tony Hartshorn, Montana State University, Bozeman, MT

**TREE REGENERATION AFTER FIRE IN *ABIES LASIOCARPA-LARIX LYALLII-PINUS ALBICAULIS* SUBALPINE PARKLAND IN THE NORTH CASCADES, WASHINGTON.**

*C. Alina Cansler*, University of Washington, Seattle, WA; Donald McKenzie, USDA Forest Service, Seattle, Washington

**MANAGING FOR RESILIENCE IN ROCKY MOUNTAIN LODGEPOLE PINE: EFFECTS OF HETEROGENEOUS STAND TREATMENTS ON WOODY SURFACE FUELS DYNAMICS AND POSTULATED FIRE BEHAVIOR.**

*Justin S. Crotteau*, Christopher R. Keyes, University of Montana, Missoula, MT; David K. Wright, Elaine K. Sutherland, U.S. Forest Service, Missoula, MT

**POSTER SESSION AT-A-GLANCE**  
(in order of presenting author [italicized])

**DETERMINATION OF BIOAVAILABLE PHOSPHORUS IN STORM WATER ENTERING LAKE WHATCOM, WASHINGTON FROM FORESTED AND DEVELOPED WATERSHEDS USING THE DUAL CULTURE DIFFUSION APPARATUS REACTOR.**

*Jonnel Deacon*, Dr. Robin Matthews, Western Washington University, Bellingham, WA

**RIPARIAN-ASSOCIATED GASTROPODS IN WESTERN WASHINGTON: COMMUNITY COMPOSITION AND THE EFFECTS OF FOREST MANAGEMENT.**

*Alex D. Foster*, U.S. Forest Service, Olympia, WA; Joan Ziegltrum, Shelton, WA

**VEGETATION CLASSIFICATION AND FIRE ACTIVITY IN THE BLUE MOUNTAINS OF OREGON.**

*Christopher R. Goodner*, Central Washington University, Ellensburg, WA; Megan K. Walsh, Central Washington University, Ellensburg, WA

**PRELIMINARY STABLE ISOTOPE ANALYSIS OF SELECTED SAMPLES FROM THE COYOTE CANYON MAMMOTH SITE, KENNEWICK, WASHINGTON.**

*Max Guettinger*, Nicholas Jared McMillan, Peter Larson, Washington State University, Pullman, WA; George Last, Pacific Northwest National Laboratories, Richland, WA; Scott Boroughs, Washington State University, Pullman, WA

**LICHEN BIOMONITORING RESULTS FROM 20 YEARS OF SAMPLING IN PACIFIC NORTHWEST WILDERNESS AREAS.**

*Amanda Hardman*, Linda Geiser, USDA Forest Service, Corvallis, OR

**SYSTEMATIC ANALYSIS OF CARBON STOCKS IN A SMALL CATCHMENT OF THE KOLYMA WATERSHED.**

*Kathryn E. Heard*, Andrew Bunn, Western Washington University, Bellingham, WA; Sue Natali, Woods Hole Research Center, Falmouth, MA

**LITHIC ANALYSIS OF COYOTE CANYON MAMMOTH SITE SEDIMENTS.**

*Kaitlin M. Hill*, Central Washington University, Ellensburg, WA; George V. Last, Pacific Northwest National Laboratory Richland, WA 99352;

**UNCERTAINTY IN ESTIMATING EVAPOTRANSPIRATION AT THE REGIONAL SCALE: A REMOTE SENSING ANALYSIS AND COMPARISON OF LANDSAT SATELLITE DATA IMPROVEMENTS.**

*Aiden V. Johnson*, Paul C. Stoy, Elizabeth Harris, Stephanie E. Ewing Montana State University, Bozeman, MT

**ETHANOL ACCUMULATION DURING SEVERE DROUGHT MAY SIGNAL TREE VULNERABILITY TO DETECTION AND ATTACK BY BARK BEETLES.**

*Rick G. Kelsey*, USDA Forest Service, OR; D. Gallego, F. J. Sánchez-García, Universidad de Murcia, Murcia, Spain; J. A. Pajares, University of Valladolid, Palencia, Spain

**POSTER SESSION AT-A-GLANCE**  
(in order of presenting author [italized])

**EPIDEMIOLOGICAL POTENTIAL OF WHITE-NOSE SYNDROME IN THE NORTHWEST: AN INDIVIDUAL-BASED SIMULATION MODEL EXPLORES DISEASE PARAMETERS.** *Guy R. Knudsen*, University of Idaho, Moscow, ID; Sybill K. Amelon, U.S. Forest Service, Columbia, MO; Rita D. Dixon, Idaho Department of Fish and Game, Boise, ID

**USE OF A TROPHIC SIMULATION MODEL TO DEVELOP PALE CYST NEMATODE ERADICATION STRATEGIES.**  
*Guy Knudsen*, Louise-Marie Dandurand, University of Idaho, Moscow, ID

**INTRA- AND INTER- SPECIFIC VARIABILITY OF TRANSPIRATION ON MONTANE HILLSLOPES.**  
*Nathaniel Looker*, Justin Martin, Jia Hu, Montana State University, Bozeman, MT; Zachary Hoylman, Kelsey Jencso, University of Montana, Missoula MT

**FIRST RECORD OF CHEANOTHECOPSIS OREGANA IN CANADA.**  
*Mireille Martel*, Diane L. Haughland, Alberta Biodiversity Monitoring Institute at the Royal Alberta Museum, Edmonton, Alberta

**SURVEY OF BIOLOGICAL SOIL CRUSTS ON BLM LANDS IN WYOMING.**  
*Tyrell Perry*, Peter Stahl, University of Wyoming, Laramie, WY

**THE EFFECTS OF LITTERFALL ON SNOW ABLATION RATES IN NORTHERN ROCKIES MIXED-CONIFER FORESTS.**  
*Michael S. Schaedel*, Andrew J. Larson, University of Montana, Missoula, MT

**PREDATORY LURING AS A MEANS OF PREY ACQUISITION IN ARGIA VIVIDA: A BEHAVIORAL STUDY.**  
*Sharol A. Schmidt*, Michael Edgehouse, Lewis-Clark State College, Lewiston, ID

**THE INFLUENCE OF TREE SPECIES AND CANOPY POSITION ON SNOW DISAPPEARANCE DATE IN WESTERN MONTANA MIXED-CONIFER FOREST.**  
*Eryn E. Schneider*, Andrew J. Larson, University of Montana, Missoula, MT; Zachary A. Holden, U.S. Forest Service, Missoula, MT

**EVALUATING STREAMFLOW TRENDS USING RUNOFF SENSITIVITY TO LAND USE AND CLIMATE CHANGE.**  
*Nicholas L. Silverman*, Marco P. Maneta, Johnnie N. Moore, University of Montana, Missoula, MT

**SEASONAL DIET OF A POPULATION OF WESTERN TERRESTRIAL GARTER SNAKES, *THAMNOPHIS ELEGANS*, ALONG THE GRANDE RONDE RIVER, SOUTHEASTERN WASHINGTON.**  
*Michael A. Skinner*, Michael Edgehouse, Christopher Brown, Brigitte S. Schwimmer, Lewis-Clark State College, Lewiston, ID

**SOIL CONTROLS ON VEGETATION IN HYALITE CANYON.**  
*John Sugden*, Tony Hartshorn, Montana State University, Bozeman, MT

**POSTER SESSION AT-A-GLANCE**  
(in order of presenting author [italicized])

**COMPARATIVE REACTION ANALYSIS OF *P*-PHENYLENEDIAMINE IN STEINER'S SOLUTION VS. ETHANOL ON COMMON LICHEN SUBSTANCES.**

*Darcie Thauvette*, Diane L. Haughland, Royal Alberta Museum, Alberta Biodiversity Monitoring Institute, Edmonton, AB, Canada

**PREDICTING EPIPHYTIC LICHEN BIODIVERSITY FROM LIDAR DERIVED CANOPY STRUCTURE.**

*Levi W. Travis*, Harmony D. Counsellor, Tim W. Henry, Danny D. Barker, Allison C. Swan, James S. Parker, and Dylan Fischer, Evergreen State College, Olympia, WA

**ECOLOGICAL IMPACTS OF BLADED FIRE LINES IN THE NORTHERN MIXED GRASS PRAIRIE.**

*Samdanjigmed Tulganyam*, Craig A. Carr, Montana State University, Bozeman, MT

**HOLOCENE BIOTIC SHIFTS IN THE INTERIOR RAINFOREST OF BRITISH COLUMBIA.**

*Ariana L. White*, Daniel G. Gavin, University of Oregon, Eugene, OR

**EFFECTS OF NATIVE VEGETATION AND AGRICULTURE ON SOIL CARBON OF MONTANA'S GALLATIN VALLEY.**

*Edward Wierda*, Tony Hartshorn, Montana State University, Bozeman, MT

**THE UNIVERSITY OF MONTANA ALGAE AND DIATOM COLLECTION OF DR. FRED A. BARKLEY.**

*Diane Winter*, Algal Analysis, LLC, Missoula MT; Dennis Vander Meer, Rhithron Associates, Inc., Missoula, MT