

Northwest Scientific Association - 90th Annual Meeting
Lewis-Clark State College, Lewiston, ID
Wednesday March 27, 2019

Time	Admin Bldg Lobby (AM) SAC Hall Lobby (PM)	Silverthorne theater capacity 392	SAC 112	SAC 115	SAC 208	SAC 144	SAC 148	Williams Conference Center	
7:30-8:00	Registration							<i>reserved for talk prep</i>	
8:00-8:50		Welcome and Introductions: NWSA President, LCSC President, Nez Perce Elder; Honoring William Laval; Outstanding Scientist award							
8:50-9:50		Keynote Address - Brian Atwater							
9:50-10:20		BREAK							
10:20-11:05		Plenary Speaker 1: Jim O'Connor							
11:05-11:50		Plenary Speaker 2: Nick Zentner							
11:50-12:00		Questions and Discussion							
12:00-1:20		LUNCH (on your own)							
1:20-1:40	Registration		Palouse/Steppe Special Session	Geology	Wildlife	Drone Workshop	<i>reserved for talk prep</i>	Poster Session setup	
1:40-2:00			BREAK						
2:00-2:20									
2:20-2:40									
2:40-3:00									
3:00-3:20			Palouse/Steppe Special Session	Geology	Wildlife	Drone Workshop	<i>reserved for talk prep</i>	Poster Session setup	
3:20-3:40									
3:40-4:00									
4:00-6:00								Poster Session (attended)	
6:00-9:30	Banquet at the Red Lion - Lewiston Presentation by Jack Nisbet "Many Different Ways to Explore: Interpreting the Northwest after Contact"								

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Technical Sessions	SAC Hall Lobby	SAC 112	SAC 115	SAC 144	SAC 148	SAC 208	SAC 216	MLH 240	Williams Conference Center	
Time										
800-810	Registration	<i>load presentations</i>	<i>load presentations</i>		<i>reserved for talk prep</i>	<i>load presentations</i>			Poster Session	
810-830		Ecology	Native Foods Special Session	<i>load presentations</i>		Lichens and Bryophytes	Fisheries Special Session			
830-850										
850-910										
910-930										
930-950										
950-1020		BREAK								
1020-1040		Ecology	Native Foods Special Session	<i>Discussion Forum: What are the most suitable biocrusts for active restoration projects?</i>	<i>reserved for talk prep</i>	Fisheries Special Session				
1040-1100										
1100-1120										
1120-1140										
1140-1200										
1200-200	NWSA Business LUNCH at Williams Conference Center									
200-220	Fire Ecology	Native Foods Special Session			Fisheries Special Session	Untangling <i>Usnea</i> Northwest Lichenologists Workshop	R workshop	Poster Session		
220-240										
240-300		Panel Discussion								
300-320										
320-340			BREAK							
340-400	Fire Ecology				Fisheries Special Session	Untangling <i>Usnea</i> Northwest Lichenologists Workshop	R workshop			
400-420										
420-440										
440-500								<i>Poster take down</i>		

Northwest Scientific Association 90th Annual Meeting,
 Lewis Clark State College, Lewiston, ID
 March 27-29, 2019

Keynote and Plenary Administration Bldg - Silverthorne Theater Wednesday, March 27		
Time:	Presenter Name:	Title:
8:00-8:30	Gregg Riegel, NWSA President Cynthia Pemberton, LSCS President Alan Pinkham, Nez Perce Elder	WELCOME & INTRODUCTIONS
8:30-8:40	Gregg Riegel	HONORING WILLIAM LAVAL
8:40-8:50	Gregg Riegel	OUTSTANDING SCIENTIST AWARD
Moderator - Pat Pringle		
8:50-9:50	Brian Atwater - Keynote	ANECDOTAL CLUES TO THE 1700 CASCADIA EARTHQUAKE
10:20-11:05	Jim O'Connor	THE BONNEVILLE LANDSLIDE AND BRIDGE OF THE GODS— FOLKLORE, FORESTS, AND FLOODS.
11:05-11:50	Nick Zentner	EASTERN WASHINGTON'S GREATEST HITS....GEOLOGICALLY
11:50-12:00		QUESTIONS AND DISCUSSION

**Conservation & Restoration of Ecosystems at Risk: Palouse Prairie and Sagebrush in the Northwest
Wednesday, March 27**

Moderator - Janelle Downs

Sacagewea Hall Room 112

Time:	Presenter Name:	Title:
1:20-1:40	R. Rosentreter	BIOCRUST SPECIES AND TRAITS MOST SUITABLE FOR RESTORATION PROJECTS
1:40-2:00	M. Nicolli	RAPID INVASION BY THE ANNUAL GRASS <i>VENTENATA DUBIA</i> INTO PROTECTED-AREA LOW-ELEVATION SAGEBRUSH STEPPE
2:00-2:20	J. Riser	CONSERVATION AND (SOME) RESTORATION OF THE ENDANGERED PALOUSE PRAIRIE GRASSLANDS
2:20-2:40	P. Pavsek	ESTABLISHING NATIVE FORBS IN EXISTING CRP USING NO-TILL TECHNIQUES IN NORTHERN IDAHO: COMPARISON OF DRILLS AND SEEDBED PREPARATIONS
3:00-3:20	J. Jensen	PALOUSE PRAIRIE ESTABLISHMENT IN FIELD-TO-PRAIRIE CONVERSION AND POLLINATOR-FORB FIELD ENHANCEMENT
3:20-3:40	B. Erhardt	PRAIRIE RECONSTRUCTION ON THE PALOUSE
3:40-4:00	S. Woodley	PALOUSE PRAIRIE CONSERVATION AND RESTORATION: LEVELS OF INFESTATION, SEED CONSUMPTION, AND THE EFFECT OF ENVIRONMENTAL SITE CONDITIONS ON TWO INSECT BIOLOGICAL CONTROLS FOR YELLOW STARThistle (<i>CENTAUREA SOLSTITIALIS</i>)

Wildlife Technical Session
Wednesday, March 27

Moderator - Jocelyn Aycrigg

Sacagewea Hall Room 208

Time:	Presenter Name:	Title:
1:20-1:40	T. M. Linscott	GENOMIC AND GEOLOGIC PATTERNS OF ORNAMENTATION IN <i>OREOHELIX</i>
1:40-2:00	A. Rankin	THE ROLE OF HISTORICAL AND CONTEMPORARY PROCESSES ON GENETIC DIVERSITY IN <i>ANGUISPIRA</i> SNAILS OF THE NORTHERN ROCKY MOUNTAINS
2:00-2:20	T. Ball	MODELING SUMMER HABITAT SELECTION BY ROCKY MOUNTAIN ELK (<i>CERVUS ELAPHUS NELSONI</i>) IN NORTH-CENTRAL IDAHO
2:20-2:40	D. Gour	GENETIC DIVERSITY AND POPULATION STRUCTURE OF THE PYGMY RABBIT IN NORTHERN UTAH
3:00-3:20	M. Wilkins	VARIATION IN BEHAVIOURAL TRAITS WITHIN AND BETWEEN WILD AND CAPTIVE-BORN VANCOUVER ISLAND MARMOTS (<i>MARMOTA VANCOUVERENSIS</i>)
3:20-3:40	A. Stahl	MAPPING LEGAL AUTHORITY TO CONSERVE RIPARIAN CORRIDORS FOR CLEAN WATER, FISH, AND WILDLIFE
3:40-4:00	D. Lachman	DRONE-MOUNTED DIGITAL CAMERAS PROVIDE UNBIASED ESTIMATES OF NEST SURVIVAL FOR COLONIAL NESTING WATERBIRDS

**Geology Technical Session
Wednesday, March 27**

Moderator - Keegan Schmidt		Sacagewea Hall Room 115
Time:	Presenter Name:	Title:
1:20-1:40	R. J. Carson	MISSOULA FLOODS FILLED WALLULA GAP TRIBUTARIES
1:40-2:00	K. Stanton	PRE-LATE WISCONSIN VALLEY-GLACIER ERRATICS BETWEEN LEAVENWORTH AND PESHASTIN, WENATCHEE VALLEY, WASHINGTON
2:00-2:20	R. Waitt	ERRATICS AND SILT DEPOSITS AS EVIDENCE OF LATE WISCONSIN MISSOULA OUTBURST FLOODS IN LOWER WENATCHEE AND COLUMBIA VALLEYS, WASHINGTON
2:20-2:40	G. Last	ICE-RAFTED ERRATICS FROM AN ICEBERG FEATURE AT THE COYOTE CANYON MAMMOTH SITE, KENNEWICK, WASHINGTON
3:00-3:20	R. Love	THE LAST OCCURRENCE OF THE COLUMBIAN MAMMOTH IN NORTH AMERICA: WAS THE EXTINCTION HUMAN CAUSED OR RELATED TO CLIMATE CHANGE?.
3:20-3:40	P. Pringle	RESEARCH UPDATE ON THE USE OF RADIOCARBON DATING AND TREE-RING ANALYSIS ON SUBFOSSIL FORESTS KILLED BY LAHARS OR VOLCANIC ERUPTIONS FROM MOUNT RAINIER, WASHINGTON STATE, USA
3:40-4:00	R. Lewis	NON-TRADITIONAL (BIOLOGICAL) APPLICATIONS FOR GEOLOGIC MAPS.

**Drone Workshop
Wednesday, March 27**

Gina Wilson and Jennifer Hinds		Sacagewea Hall Room 144
1:20-4:00	RISING TO NEW HEIGHTS: DRONES, DATA, AND SCIENCE	

Ecology Technical Session
Thursday, March 28

Moderator - Andrea Woodward

Sacagewea Hall Room 112

Time:	Presenter Name:	Title:
8:10-8:30	B. Luff	THE INFLUENCE OF ENSO ANOMALIES ON STREAM FLOW METRICS ACROSS THE CONTIGUOUS UNITED STATES
8:30-8:50	D. Schmitz	POORMAN-BALM MINE COMPLEX RECLAMATION-A MULTIDISCIPLINARY VENTURE
8:50-9:10	K. Magori	DISEASE ECOLOGY OF <i>DERMACENTOR</i> TICKS AT TURNBULL NATIONAL WILDLIFE REFUGE
9:10-9:30	J. Kane	EFFECTIVENESS OF GIRDLING TREATMENTS IN A CONIFER-ENCROACHED OREGON WHITE OAK WOODLAND
9:30-9:50	H. Kesting	INSECT HERBIVORY DRIVES COMMUNITY STRUCTURE AND PRIMARY SUCCESSION ON MOUNT SAINT HELENS
10:20-10:40	A. Woodward	LONG-TERM SUCCESS OF SEEDLINGS ESTABLISHING IN SUBALPINE MEADOWS, OLYMPIC NATIONAL PARK
10:40-11:00	G. Riegel	DEVELOPMENT AND UTILIZATION OF A RIPARIAN ECOLOGICAL TYPE CLASSIFICATION FOR MONITORING LONG TERM LIVESTOCK GRAZING EFFECTS IN CENTRAL OREGON

**Fire Ecology Technical Session
Thursday, March 28**

Moderator - Nancy Johnston		Sacagewea Hall Room 112
Time:	Presenter Name:	Title:
2:00-2:20	J. Bastow	THE IMPACTS OF A WILDFIRE IN A SEMI-ARID GRASSLAND ON SOIL NEMATODES AND ORGANIC MATTER OVER FOUR YEARS
2:20-2:40	R. McCarley	QUANTIFYING ABOVE-GROUND BIOMASS CONSUMPTION AND DEMONSTRATING LANDSCAPE-SCALE LINKAGE BETWEEN FUEL CONSUMPTION AND ENERGY RELEASE: A CASE STUDY OF THE POLE CREEK FIRE IN OREGON
2:40-3:00	C. Martorano	LONG-TERM EFFECTIVENESS OF FUEL REDUCTION TREATMENTS IN OAK AND CHAPARRAL STANDS OF NORTHERN CALIFORNIA
3:00-3:20	K. Johnston	THE ENTIRE LANDSCAPE NEEDS RELIEF FROM FIRE-DEFICIT: PAST, PRESENT, AND FUTURE OF THE METOLIUS RESEARCH NATURAL AREA, OREGON
3:40-4:00	A. Boag	GROWING UP: POST-FIRE CONIFER ESTABLISHMENT TRAJECTORIES IN EASTERN OREGON
4:00-4:20	L. Hu	VOLATILE ORGANIC COMPOUNDS AND OTHER AIR POLLUTANTS FROM WESTERN U.S. WILDFIRE SMOKE
4:20-4:40	N. Johnston	VOLATILE ORGANIC COMPOUNDS AND PARTICULATE MATTER DURING THE 2017-2018 WILDFIRE SEASONS IN THE LEWIS-CLARK VALLEY

**R Workshop
Thursday, March 28**

Leigh Latta and Matthew Brousil		Meriweather Lewis Hall Room 240
2:00-5:00	INTRO TO MANIPULATING AND VISUALIZING DATA IN R	

NORTHWEST LICHENOLOGISTS

Lichenology/Bryology Technical Session
Thursday, March 28

Moderator - Bruce McCune		Sacagewea Hall Room 144
Time:	Presenter Name:	Title:
8:50-9:10	B. McCune	A PROBABILISTIC INTERACTIVE KEY FOR <i>HYPOGYMNIA</i> IN NORTH AMERICA
9:10-9:30	A. Pipp	CONDUCTING THE FIRST NON-VASCULAR SURVEYS IN MUSSELLSHELL COUNTY, MONTANA
9:30-9:50	R. Smith	GLOBAL BIOMASS OF GROUND-DWELLING LICHENS AND MOSSES.
10:20-10:40	DISCUSSION	LICHEN POSTER DISCUSSION
10:40-12:00	PANEL DISCUSSION	WHAT ARE THE MOST SUITABLE BIOCRUSTS FOR ACTIVE RESTORATION PROJECTS?

NORTHWEST LICHENOLOGISTS—Workshop
Thursday, March 28

Daphne Stone		Sacagewea Hall Room 216
2:00-5:00	UNTANGLING <i>USNEA</i>	

Freshwater Fisheries of the Northwest: Past Practices, Current Issues, and the Future of Fisheries
Thursday, March 28

Moderator - Jensen Hegg

Sacagewea Hall Room 208

Time:	Presenter Name:	Title:
8:10-8:30	A. Fremier	THE INFLUENCE OF SPAWNING FISH ON RIVER PROFILES AND POTENTIAL SPECIATION OVER GEOLOGIC TIMESCALES
8:30-8:50	P. Anders	LONG-TERM MULTI-TROPHIC RESPONSES TO SEASONAL NUTRIENT ADDITION IN THE KOOTENAI RIVER, IDAHO AND BRITISH COLUMBIA
8:50-9:10	K. Tiffan	RECENT ADDITIONS TO THE FOOD WEB OF LOWER GRANITE RESERVOIR: WELCOMED GUESTS OR UNWANTED PARTY CRASHERS?
9:10-9:30	J. Jorgensen	QUANTITATIVE FOOD WEB ANALYSIS TO DETANGLE DENSITY DEPENDENCE IN CO-LIMITED HABITATS
9:30-9:50	N. Wingerter	VARIATION OF RESOURCE SELECTION DUE TO SEASONALLY INDUCED INTER-COHORT COMPETITION IN STEELHEAD (<i>ONCORHYNCHUS MYKISS</i>)
10:20-10:40	J. Erhardt	SMALLMOUTH BASS DIET AND CHINOOK SALMON MORTALITY ALONG THE SNAKE RIVER CONTINUUM
10:40-11:00	S. Matsaw	LET THE OLD ONES SPEAK: FORGOTTEN NATIVE FRESHWATER MUSSELS CONTRIBUTING TO STREAM BENTHIC COMMUNITIES
11:00-11:20	A. Chase	LIVING ROCKS: MOLLUSKS OF THE PACIFIC NORTHWEST
11:20-11:40	C. Caudill	ANCIENT SWIMMERS IN A MODERN WORLD: PACIFIC LAMPREY MIGRATION IN THE COLUMBIA RIVER BASIN
11:40-12:00	S. Hanchett	EVALUATING THE INFLUENCE OF PAST EXPERIENCE ON SWIMMING BEHAVIOR AND PASSAGE SUCCESS IN ADULT PACIFIC LAMPREY
2:00-2:20	K. Strickler	CHALLENGES AND STRATEGIES FOR ENVIRONMENTAL DNA SAMPLING IN STREAMS
2:20-2:40	L. Caldwell	THE USE OF eDNA TO IDENTIFY EXTENT OF FISH OCCUPANCY
2:40-3:00	R. Dunbeck	MOVEMENT RESPONSE OF JUVENILE CHINOOK SALMON (<i>ONCORHYNCHUS TSHAWYTSCHA</i>) TO CARCASSES OF RAINBOW TROUT (<i>O. MYKISS</i>) AND PACIFIC LAMPREY (<i>ENTOSPHEMUS TRIDENTATUS</i>)

3:00-3:20	K. Gillies-Rector	OTOLITH ANALYSIS REVEALS VARIABLE JUVENILE GROWTH AND MIGRATION IN CHINOOK SALMON EXPERIENCING DIFFERENT ENVIRONMENTAL CONDITIONS
3:40-4:00	M. Dobos	LIFE HISTORY DIVERSITY OF WILD STEELHEAD <i>ONCORHYNCHUS MYKISS</i> ATTRIBUTING TO LONG-TERM PERSISTENCE IN THE LOCHSA RIVER BASIN
4:00-4:20	B. Bowersox	EXAMINING LIFE HISTORY SHIFTS AND GENETIC COMPOSITION IN A HATCHERY STEELHEAD POPULATION WITH IMPLICATIONS FOR FISHERY AND OCEAN SELECTION

Northwest Native Foods: Plants, Fish and Animals
Thursday, March 28

Moderator - Monique Wynecoop

Sacagewea Hall Room 115

Time:	Presenter Name:	Title:
8:10-8:30	S. Hoagland	INTERTRIBAL TIMBER COUNCIL: TRIBAL RESEACH NEEDS AND PRIORITIES ASSESSMENT
8:30-8:50	N. Kager	SCHITSU'UMSH CONTEMPORARY FOOD SOVEREIGNTY
8:50-9:10	J. Wagner	LINGUISTIC EVIDENCE OF DIETARY TRANSITION: THE CASE OF THE SCHITSU'UMSH
9:10-9:30	L. Campbell	S'YIŁN KHWE SCHITSU'UMSH: DECOLONIZING COEUR D'ALENE FOOD TRADITIONS
9:30-9:50	N. S. Tatshama Peasley	INDIAN CARROTS (<i>PERIDERIDIA GAIRDNERI</i>) AND THE EFFECTS OF FIRE ON THE COLVILLE RESERVATION, 2016-2018
10:20-10:40	C. Harrington	HOW WILL THE RANGE OF BLACK HUCKLEBERRY CHANGE IN THE FUTURE?
10:40-11:00	C. Gray	RESOURCE PARTITIONING BETWEEN FORAGING BEARS AND TRIBAL HARVEST OF HUCKLEBERRIES ON THE FLATHEAD INDIAN RESERVATION
11:00-11:20	P. Moses	HUCKLEBERRY RESTORATION AFTER WILDFIRE ON THE COLVILLE RESERVATION, 2016-2018
11:20-11:40	M. Wynecoop	EXPLORING A MULTI-DISCIPLINARY APPROACH TO INCORPORATING TRADITIONAL KNOWLEDGE INTO FUELS TREATMENTS
11:40-12:00	K. Matthews	RESTORATION STRATEGIES FOR <i>CAMASSIA QUAMASH</i> ON THE WEIPPE PRAIRIE: A CASE STUDY IN PROGRESS
2:00-2:20	S. Matsaw	MORE-THAN-HUMAN RELATIVES: HOW THE NATURAL WORLD TEACHES AND INFORMS OUR EPISTEMOLOGIES OF LAND-BASED KNOWING
2:20-3:20	Panel Discussion	TRIBAL PERSPECTIVES, RECOMMENDATIONS, AND RESEARCH NEEDS FOR PROMOTING TRIBAL FOOD SOVEREIGNTY AND RESPONSIBLE MANAGEMENT OF TRADITIONAL FOODS AND PLACES

POSTER SESSION
Williams Conference Center
Wed 4:00 - 6:00 pm (*attended*); Thurs 8:00 - 4:00

M. Amara	LATE PLEISTOCENE MAMMOTH REMAINS AND THEIR GEOLOGIC CONTEXT IN THE FRENCHMAN HILLS, GRANT COUNTY, WASHINGTON
R. Bartlett	A DECADE OF UNDERSTORY COMMUNITY DATA IN A MATURE SECOND-GROWTH FOREST IN WESTERN WASHINGTON
E. Bugge	DECREASING N ₂ FIXATION IN <i>LOBARIA OREGANA</i> IS LIKELY CAUSED BY ANTHROPOGENIC EMISSIONS
A. Cleveland	IMPACTS OF MT MAZAMA ASH ON THE BEHAVIOR OF LATAH CREEK FLOODPLAIN SOIL, SPOKANE, WASHINGTON
E. Di Meglio	EVALUATION OF DECADAL CHANGES IN VEGETATION AND LICHEN COMMUNITY STRUCTURE IN RELATION TO METAL CONCENTRATION AND CLIMATE ALONG THE RED DOG MINE HAUL ROAD IN CAPE KRUSENSTERN NATIONAL MONUMENT, ALASKA
K. Duckett	NOBLE GAS CONCENTRATIONS, AND A REEVALUATION OF CARBON AGE DATES FOR AQUIFERS OF THE SOUTH FORK PALOUSE RIVER BASIN, IDAHO AND WASHINGTON, USA
T. Gittelsohn	LEAF AREA INDEX MEASUREMENTS DEPEND ON SITE PRODUCTIVITY AND THINNING IN THE INLAND NORTHWEST.
J. A. Henderson	A LANDSCAPE MODEL FOR PREDICTING AND MAPPING POTENTIAL NATURAL VEGETATION OF WASHINGTON STATE
E. Joshi	A GREENHOUSE STUDY ON EFFECT OF CLASS B RECLAIMED WATER ON GROWTH AND EXOENZYME ACTIVITY IN <i>POPULUS TRICHOCARPA</i>
M. Lesiecki`	PRIORITIZING ROAD TREATMENTS FOLLOWING WILDFIRE
R. McCarley	THE WILD WILD (NORTH)WEST: ASSESSING FUTURE LAND USE AND CLIMATE CHANGE IN WILDERNESS AREAS OF THE NORTHWESTERN U.S.
M. Meyer	VULNERABILITY OF ROTIFER AND COPEPOD NAUPLII PREY TO COPEPOD PREDATION IN FLATHEAD LAKE (MT)

H. Moon	HOW DO YOU ACCURATELY MEASURE BEDDING IN A MONOTONOUS PILE OF BASALT LAVA FLOW ROCKS? INSIGHTS IN EXCITING APPLICATIONS OF MATHEMATICS
L. Ngenzi	QUANTIFYING THE ACCURACY OF LANDSAT DERIVED SURFACE WATER INDICES FOR ESTIMATING SMALL RESERVOIR WATER SURFACE AREA IN THE VOLTA RIVER BASIN (WEST AFRICA)
C. Rabe	LONG-TERM EVALUATION OF FITNESS AND DEMOGRAPHIC EFFECTS OF A CHINOOK SALMON SUPPLEMENTATION PROGRAM
B. Rodgers	INVESTIGATING THE POSSIBILITY OF SPECIATION IN <i>STEREOCAULON SPATHULIFERUM</i>
W. Sandlin	PASSIVE METAL REMOVAL SYSTEM UTILIZING ZEOLITE FOR INITIAL TREATMENT OF SEASONAL ACID ROCK DRAINAGE - NEW TECHNOLOGY FOR ENHANCING PASSIVE TREATMENT SYSTEMS
R. Saylor	MACHINE LEARNING MODELS OF MONARCH BUTTERFLIES BREEDING IN PALOUSE PRAIRIE
D. K. Schalck	SPATIAL AND TEMPORAL OVERVIEW OF HIGH POTASSIUM INTRUSIONS IN IDAHO
K. Schmidt	HOW DO YOU ACCURATELY MEASURE BEDDING IN A MONOTONOUS PILE OF BASALT LAVA FLOW ROCKS? INSIGHTS FROM THE MIOCENE COLUMBIA RIVER BASALT GROUP
J. Shaw	CONTACT METAMORPHISM, MINERALIZATION, AND DETRIAL ZIRCON INTERPRETATION FROM SILVER HILL SPOKANE WASHINGTON
B. Slothower	ORGANIC NITROGEN TURNOVER AS AN INDICATOR OF FOREST PRODUCTIVITY
E. Strand	PALOUSE PRAIRIE-FOREST ECOTONE: THEN, NOW, AND IN THE FUTURE
M. Thurston	QUANTIFYING HABITAT STRUCTURE IN WESTERN GREBE COLONIES
K. Townsend	PRESENCE OF NORTHERN IDAHO GROUND SQUIRRELS <i>UROCITELLUS BRUNNEUS</i> INFLUENCES BY OTHER SMALL MAMMALS SPECIES AND ENVIRONMENTAL FACTORS
J. Trujillo	A FIELD GUIDE TO GRASSES AND GRASS-LIKE PLANTS OF IDAHO
D. Westlind	BURN SEASON AND INTERVAL EFFECT PONDEROSA PINE GROWTH AND WESTERN PINE BEETLE MORTALITY IN THE BLUE MOUNTAINS OF OREGON
U. Wijayratne	GLOBAL OBSERVATION RESEARCH INITIATIVE IN ALPINE ENVIRONMENTS (GLORIA): FIRST YEAR DATA FROM THE WALLOWA MOUNTAINS OF OREGON