

William F. Boyd

Contact Information:

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Education:

- Master of Science Degree, May 2013, University of Idaho, Major: Natural Resources; Cumulative GPA: 3.45
- Teacher Certification, Secondary Science, May 2013, University of Idaho, Endorsements: Biology, Natural Sciences; Cumulative GPA: 3.45
- Master of Science Program, Jan.-Dec. 2003, North Carolina State University, Major: Forest Ecology; no degree received
- Bachelor of Science Degree, May, 2000, University of Wisconsin-Stevens Point (UWSP), Major: Biology; Minors: Chemistry, Conservation Biology; Cumulative GPA: 3.43

Recent Work Experience:

Instructor & Curriculum Writer, Veritas Scholars Academy, Lancaster, PA; Fall 2016 – present; subjects taught include: biology, marine biology, general science, physical science, business math virtually to students worldwide via the online platform (Adobe Connect) and for the award-winning private school and publishing house Veritas Press; Schoology to manage grades, assignments, and other class logistics; Late Nite Labs as a virtual lab interface for Biology students; currently writing the Life Science portion (11 chapters) for Veritas's 8th grade science curriculum

Founder & Executive Director, Homeschool Institute of Science, Moscow, ID; Fall 2015 – present; founded Jan. 2012 to enrich science for regional homeschoolers; Provide STEM (Science, Technology, Engineering, Math) enrichment activities, workshops, field trips, and classes for 500+ homeschooling students and parents in Idaho and Eastern WA

Logos Online School, Science Teacher, Moscow, ID; September 2015 – May 2016 ; Taught physical science, chemistry, and physics to homeschool students and private school students in an online classroom (Adobe Connect)

4-H Science Program Specialist, University of Idaho, Moscow, ID; May 2013- June 2015 - Coordinate K-12 educational robotics programs throughout the state of Idaho including FIRST LEGO League, FIRST Tech Challenge, and WeDo Robotics; plan and implement ten qualifying tournaments and three state championship events involving 500 volunteers; manage 7-10 interns/AmeriCorps volunteers annually; build and provide professional development and coordination assistance for extension educators and 4-H professionals throughout the state; present at statewide and regional conferences

Education Director, Friends of the Clearwater, Moscow, ID; 2004-2010 - Coordinated all education/outreach activities, programs, publications, and communications for a local public-lands advocacy group; built position from 8 to 40/hours/week

Science Chair & Instructor, Montrose Academy, Moscow, ID, 2005-2008 - chaired department for private K-12 school and taught biology, chemistry, and physical science

Science Experience:

EDUCATION DIRECTOR, Friends of the Clearwater, Moscow, ID; 2004-2010 – Designed and implemented Coeur d'Alene salamander monitoring project on the North Fork Clearwater River. This study followed up on and updated a habitat and presence/absence survey conducted several decades earlier.

Coordinated off-road vehicle monitoring survey in sensitive watersheds, cataloguing ecological impacts including soil erosion. Participated in multiple invertebrate stream sampling efforts in North Idaho roadless areas and contributed to publication of these results under the direction of Dr. Fred Rabe.

PRINCIPAL INVESTIGATOR, North Carolina Cooperative Fish & Wildlife Research Unit, Jan.-Dec. 2003. Designed and implemented ovenbird reproductive and foraging ecology study in Pisgah National Forest, Western N.C. Led team of four in monitoring productivity of nesting ovenbirds, conducted invertebrate sampling, and performed behavioral observations. Performed preliminary data analysis.

BIOLOGICAL TECHNICIAN, St. George, AK, Alaska Maritime National Wildlife Refuge May-Sept. 2002. Monitored seabird populations and productivity on St. George Island, AK. Co-authored seasonal report.

AVIAN RESEARCH TECHNICIAN, US Fish & Wildlife Service, US Geological Survey, May-August 1999. Nest searched, monitored, and observed loons and shorebirds on the Colville River Delta, Alaska. Set up, maintained, & closed remote field camp in harsh conditions.

AVIAN RESEARCH TECHNICIAN, Smithsonian Migratory Bird Project, June-August 1998. Nest searched and monitored forest songbirds and environmental factors. Color-banded and observed fledgling songbird behavior in Cuyahoga Valley National Recreation Area, Ohio.

REPRODUCTIVE ENDOCRINOLOGY INTERN, Smithsonian Conservation Research Center, June-August 1997. Conducted fecal progesterone analysis of endangered giant eland for mapping estrus cycle

Professional activities & honors: Veritas Scholars Academy Teacher of the Year (2017-18), National Science Teacher Association, Member, current; National Association of Biology Teachers, Member, current; Chancellor's Leadership Award, University of Wisconsin-Stevens Point (2000); Member Tri-Beta, Biological Honor Society, UWSP (2000)

References:

Dr. Jim Lindstrom, University of Idaho 4-H Youth Development, 875 Perimeter Drive, MS-3015, Moscow, ID 83844; (208) 885-4637; jlindstrom@uidaho.edu

Dr. Steven Hollenhorst, Dean, Huxley College of the Environment, Western Washington University, ES539, MS9079, 516 High Street, Bellingham, WA 98225 (360) 650-3521. Steve.Hollenhorst@wwu.edu

Mr. Gary Macfarlane, Friends of the Clearwater, Executive Director; PO Box 9241, Moscow, ID 83843; (208) 882-9755; gary@friendsoftheclearwater.org