KRISTA ELAINE HOLMAN SLEMMONS
Curriculum Vitae

EDUCATION

Master of Environmental Science
Miami University, Institute of Environmental Sciences, Oxford, Ohio 45056.

- Area of Concentration: Biological Conservation, May, 2007.
- GPA 3.85
  Thesis title: "*The effects of sewage effluent on macroalgal and sea grass abundance, dry weight and diversity within Grahams Harbor, San Salvador, Bahamas.*"

Master of Education
Wright State University, Dayton, Ohio 45435.

- M.Ed. in Science Education, June, 2000.
- GPA 4.00
- Thesis title: "*Explorative science: the impact on ecological self- efficacy, misconceptions and ethics*."
- Ohio teaching certification in Biology and General Science, Five year license, grades 7-12.
- Alaska teaching certification in Chemistry and Biology. Highly qualified in Chemistry, Biology, General Science, Middle School Science and Earth Science.

Bachelor of Science
Denison University, Granville, Ohio 43203.

- Major in Biological Sciences, minor in Chemistry, May 1994.

EXPERIENCE

Teaching Experience:

- ***University of Hawaii, Hawaii Community College***
  200 West Kawili Street, Hilo, HI, 96720. (808) 974-7741.
  Instructor and counselor. Worked as a coordinator for the federally funded GEAR UP program to encourage low-income students to attend college. 2/2008-present.
  Principal Investigator: Dr. Barbara Arthurs, Dean of Student Services

- ***Kenai Peninsula Borough School District, Ninilchik Schools***
  Mile 135.5 Sterling Highway, Ninilchik, Alaska 99669. (907) 567-3301.
  Biology, Microbiology, Marine Biology, Chemistry, Physical and Earth Science instructor. Project GRAD after school tutoring program. Cross country coach. Science Fair Coordinator. 2005-2007.
  Principal: Terry Martin

- ***Talawanda City Schools***
  131 West Chestnut Street Oxford, Ohio 45056. (513) 273-3100.
  Biology, Earth Science and Physics instructor. Faculty mentor and cooperating teacher with Miami University. 2001- 2005.
  Principal: Dr. David Isaacs

- ***Hamilton Local Schools***
  775 Rathmell Road Columbus, Ohio 43207. (614) 491-8044.
  Biology and General Science Instructor. Founding teacher of Tech prep program. Track coach. 1999-2001.
  Principal: Mark White, Dan Milz

- ***Fairborn City Schools, Baker Junior High School***
  Lincoln Drive Fairborn, Ohio 45435. (937) 878-4681.
  Student intern. 7th and 8th grade general science instructor. Worked cooperatively with a special educator in science inclusion classes. Yearbook advisor. 1998-1999.
  Supervising teacher: Deborah Hunt

Research/Laboratory Experience:

- ***Kenai Watershed Forum***
  PO Box 2937 Soldotna, Alaska 99669. (907) 260-5449.
  Completed projects in conjunction with the Alaska Department of Fish and Game and Alaska Department of Education. Stream assessment of culvert positions for suitable fish migration habitat. Alignment of the Alaska State Science Standards with the Caring for the Kenai project. Summer 2005.
  Supervisor: Robert Ruffner

- ***Compunet Clinical Laboratories***
  2048 South Alex Road West Carrollton, Ohio 45439. (937) 865-5248.
  Laboratory technician. 1998-2000.

- ***Springborn Laboratories Incorporated***
  640 North Elizabeth Street Spencerville, Ohio 45887. (419) 647-4196.
  Research technician. Researched toxicity of newly synthesized drugs in accordance with FDA regulations. 1995-1996.
  Supervisor: Michael Hawk

- ***Corning Clinical Laboratories***
  875 Greentree Road Pittsburgh, Pennsylvania 15220. (412) 647-2811.
  Microbiology lab technician. Prepared and identified microbial test. 1994-1995.

- ***Pittsburgh Cancer Institute***
  5150 Centre Avenue Pittsburgh, Pennsylvania 15232. (412) 624-1115.
  Cell Biology and Cancer Metastasis Research Associate. Researched anti-leukemia drug action on nuclear extractions through radioactive labeling and protein determination. Fall 1996.
  Supervisor: Dr. Frank Lee

- ***Denison University***
  Doane Hall Granville, Ohio 43203. (800) 336-4766.
  Greenhouse manager: Maintained student and faculty research projects. Genetics laboratory assistant: prepared laboratories and chemical reagents. 1993 and 1994.

- ***Marie Selby Botanical Gardens***
  811 South Palm Street Sarasota, Florida 34236. (941) 366-5731.
  Completed an independent project consisting of medicinal plant research and construction of a bamboo trail walkway. Organize the annual Children's Education workshop. Summer 1993.

PROFESSIONAL ASSOCIATIONS

- American Association of University Women.
- National Association of Biology Teachers.
- Society of Conservation Biology.
- Ecological Society of America
- National Science Teachers Association.

AWARDS

- Martha Holden Jennings grant recipient. 2001.
- Women in Science Fellowship. 1998-2000.
- Kappa Delta Pi. International Honor Society in Education. 1999.

RESEARCH INTERESTS

- Aquatic ecology: stream restoration, fisheries management, eutrophication of aquatic ecosystems.
- Conservation Biology: landscape ecology, island biogeography, remote sensing, human land use, biodiversity, natural resource management.
- Environmental Studies: environmental ethics, scientific pedagogy, environmental justice, international education.

PROJECT WORK AND FIELD EXPERIENCE

- Tropical Marine Ecology of San Salvador, Bahamas, Teaching Assistant. 2002-2004.
  Project title: "*Colonization rates of sandy and sea grass habitats of juvenile tropical fish*." 2002.

- Earthworks, Boulder Colorado. 1999-2000.
  Project title: "*The effects of stream flow on caddisfly larva Fly (Cheumatopsyche pettiti) cast placement and size*." 1999. Research project completed in conjunction with the Earthworks Conference and the Cooperative Institute for Research in Environmental Science (CIRES).

  Project title: "*Mapping the geology of the Jamestown area, Colorado using GIS and GPS technology*." 2000.

- Public Service Project Institute of Environmental Sciences, Miami University. 2004
  Project title: "*Environmental analysis of a stretch of Mill Creek, Butler County, Ohio,*" for Mill Creek Restoration Project and Butler County Public Service Project. Worked with a small team to research and develop restoration options for the Mill Creek. Presented written report and recommendations to client.

SKILLS

- Experience in lab work, field observations, data collection, writing and analyzing scientific reports
- Strong organizational skills
- Team worker
- Well-developed problem solving skills
- SCUBA certified
- Proficiency with Microsoft word, Excel, and PowerPoint
- Proficiency with Smart Board Technologies and Wireless Slate
- Experience with ArcGIS version 9.2, GPS and GIS knowledge
- Experience in writing grants: Martha Holden Jennings, Ohio SchoolNet Technology grant
- Experience with small schools, bilingual and native students and inclusive classrooms

Contact Information:
Krista E.H. Slemmons, 575 Alawaena Street, Hilo, 96720, (808) 345-3413, kristaslemmons@yahoo.com

Teaching References:

Dr. Phil Cagwin, District Superintendent
Talawanda City Schools
131 Chestnut Drive
Oxford, Ohio 45056
(513) 523-4137
cagwinp@talawanda.org

Dr. David Isaacs (*retired*), Principal
Talawanda City Schools
101 Chestnut Drive
Oxford, Ohio 45056
(513) 523-4137
dr.isaacs@yahoo.com

Winslow, Department Chair
Talawanda City Schools
101 Chestnut Drive
Oxford, Ohio 45056
(513) 523-4137 Home: 513-523-1895
winslowj@talawanda.org

Terry Martin K-12 Principal
Ninilchik Schools
Mile 135.5 Sterling Highway
PO Box 39010
Ninilchik, AK 99639
(907) 567-3301
tmartin@kpbsd.k12.ak.us

Academic/Research References:

Dr. Hays Cummins, Thesis Advisor
Miami University
Boyd Hall 222
Oxford, Ohio 45056
(513) 461-1108
haysc@muohio.edu

Dr. Adolph Greenberg
Miami University
Boyd Hall 122
Institute of Environmental Science
Oxford, Ohio 45056
(513) 529-5811
greenbam@muohio.edu

Dr. Gene Willeke, Professor emeritus
Miami University
Boyd Hall 122
Institute of Environmental Science
Oxford, Ohio 45056
(513) 529-5811
willekge@muohio.edu

Robert Ruffner
Kenai Watershed Forum
Soldotna, AK 99669
(907) 260-5449
robert@kenaiwatershed.org

Barbara Arthurs, Dean Student Services
200 West Kawili Street
Hilo, HI 96720
(808) 974-7658
arthurs@hawaii.edu