

DAVID E. FORNANDER

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EDUCATION

UNIVERSITY OF ARIZONA, Tucson, AZ
PhD Geography, (anticipated defense Spring 2007)
w/ minor in Natural Resources
Advisor: Dr. Paul Robbins

BOISE STATE UNIVERSITY, Boise, ID
M.A. Biology, December 2001
Project: Expeditionary Learning "La Ruta Maya"
Advisor: Dr. Richard McCloskey

WASHINGTON STATE UNIVERSITY, Pullman, WA
B.S. Biology, May 1994
w/ minor in International Business

RESEARCH INTERESTS

- Sustainable ("Eco") Tourism
- Marine Protected Areas
- Conservation and Ecosystem Function

I am interested in the conservation and preservation of biodiversity throughout the world. More specifically, my work focuses on the physical, biological and social components specific to protected area management. My current research is on sustainable "eco"-tourism in and around marine protected areas and the role community stakeholders play in developing policy, protecting livelihoods and preserving ecosystem integrity.

TEACHING EXPERIENCE

INSTRUCTOR, University of Arizona
Tucson, AZ Fall 2004-present
Geography 220: Our Diverse Biosphere
Geography 303: Field Methods
Geography 455: Regional Studies 'Northern Mexico'

INSTRUCTOR/GUIDE, Institute for Cultural Ecology/Wildlands Studies (SFSU)
Hawaii/Fiji 9/00-6/01

Coordinated and taught study abroad programs throughout Hawaii and Fiji in association with San Francisco State University. Primary instructor for groups of up to 12 students on six week to three month learning expeditions focused on reef and rainforest ecology, volcanism, and Hawaiian/Fijian culture and religion. Responsible for coursework, planning, lecturing, writing of exams and assignments, grading, trip planning and all logistics relative to the course, as well as student and expeditionary travel in developing areas throughout the South Pacific.

SCIENCE INSTRUCTOR, Newfound Harbor Marine Institute
Big Pine Key, FL 1/96-1/97

Taught and researched coral reef ecology, mangrove habitats, tropical ecosystems and conservation biology. Led interpretive trips of approximately 12 students and teachers walking the hardwood hammocks and pine savannahs, wading the flats, and diving hard bottom habitats and coral reefs along the Looe Key Marine Sanctuary. Other activities included; training of new instructors, captaining of up to 26' oceanographic research vessels, data collection consistent with personal, staff and student research projects and general logistics of running an education based marine institute. Also took part in the general maintenance of marine labs, boats, dive equipment and facilities.

INSTRUCTOR, Boise School District

Boise, ID 1/95-5/01

Taught and comprised lesson plans for secondary coursework in ecology, biology, chemistry, Business and Spanish.

RELATED EXPERIENCE

FISHERIES BIOLOGIST, National Marine Fisheries Service

Boise, ID 6/01-7/03

Section 7 Consultation in accord with the Endangered Species Act, promoting the restoration and recovery of native anadromous fisheries throughout Idaho and the Columbia Basin. Worked on streamlined Level One teams made up of representatives from the USFS, BLM, BOR, Nez Perce Tribe and other federal, state and private organizations. Consulted and wrote Biological Opinions on projects and restoration activities with a focus on wildland fire based eco-regions.

GUIDE & NATURALIST, Island Expeditions Company

Belize 9/97- 7/00

Lead groups of 8-14 on backcountry expeditions throughout Belize. This included open ocean sea kayak trips of upwards of 10 days along the barrier reef, remote jungle river trips through the interior, and caving and trekking of ancient Mayan sites. Trained native Garifuna and Mayan guides in the importance of biodiversity and conservation, as well as safety and skills associated with the industry. Worked in preserving and designating protected areas with local and global conservation groups and taught natural history, neo-tropical ecology and geography to guests, local teachers and native guides in conjunction with The Belize Zoo, Tropical Education Center.

GUIDE, Cascade Raft and Kayak Company

Horseshoe Bend, ID 6/98- 9/00

Guided 1-3 day whitewater floats through the Payette River systems. In charge of logistics and planning associated with float trips and led interpretive talks to clients on environmental awareness, safety, natural history and ecology of the region. Trained new guides in river and backcountry safety and navigation of paddle boats on Class II-IV water.

BIOLOGIST, U.S. Forest Service

New Meadows, ID 6/96-9/96

Supervised data collection and compilation in remote areas of the Payette N.F. Conducted R1/R4 fisheries habitat assessment of the Little Salmon River drainage to develop the biological components necessary in constructing a viable management plan. Cobble embedded ness surveys and thermograph installation to determine the quality of spawning habitat available and evaluate seasonal temperature fluctuation within the system.

BIOLOGICAL AIDE (Fisheries), Idaho Department of Fish and Game

Boise, ID 5/94-11/94

Flow measurement and riparian habitat assessment of free flowing waters in the Boise National Forest. Other research activities included; electro-fishing, population density counts and species identification of salmonids, snorkel fish counts and PIT tagging of juvenile Chinook salmon.

VOLUNTEER, REEF (Reef Environmental Education Foundation)

Big Pine Key, FL 1/96-1/97

Species identification and population estimates of reef fish in the Looe Key Marine Sanctuary.

PUBLICATIONS

NOAA's National Marine Fisheries Service. 2003. Biological Opinion - Outfitted/Guided Commercial & Non-Outfitted Floatboating and Walk/Wade Angling Special Use Permit Renewals. *Idaho Habitat Branch, Boise, Idaho, Northwest Region*. (Issued July)

Fornander, D. E. 2001. Expeditionary Learning: "La Ruta Maya". Boise State University.

Fornander, D. E., Postcards from the Edge: Sea Paddling Bliss off the Coast of Belize, *The Idaho Statesman*, June 23, 2000.

PRESENTATIONS

Fornander, D.E., Eysenbach, D., and Cline, M. (2005). Towards a First World Ecotourism. *American Association of Geographers Annual Meeting*, Denver, CO, April 2005.

Adams, K., Ara, S., Carrasco, A., Decker, P., Fornander, D. and Shipek, L. (2003). Viability of Bicycle Use in Ambos Nogales, *Ambos Nogales Air Quality Task Force Meeting*, United States Consulate, Nogales, Sonora, December 2003.

CERTIFICATIONS & TRAINING

Wilderness First Aid , Wilderness Medicine Institute of NOLS, *April 2003*
NOAA Security Awareness Course, *January 2003*
Basic Wild land Fire Fighting, USFS, *June 2002*
Wildfire Resource Advisor, USFS, *June 2002*
American Red Cross First Aid and CPR, *February 2002*
National Fire Plan Training, *July 2001*
Negotiation Training, *June 2001*
Section 7 Consultation Training (Endangered Species Act), *June 2001*
Arc View GIS, *January 2000*
Ecology and Natural History of Belize, Tropical Education Center, The Belize Zoo, *March 1998*
Rescue 3 Swift water Technician Certification, *October 1997*
PADI Open Water Certification, *August 1997*
USFS Drivers training and license, *June 1996*
NAUI Skin Diver Instructor, *January 1996*
R1/R4 Hankin/Reeves Fisheries Habitat Training, *June 1996*
Small Vessel Captains Training, *January 1996*
American Red Cross CPR for the Professional Rescuer and Lifeguard, *January 1996*
Project Wild and Aquatic Wild, *January 1996*

AWARDS

Geography and Regional Development (GRD) Graduate College Fellowship, University of Arizona, 2005
FLAS (Foreign Language and Area Studies) Fellow, University of Arizona, 2003-2004
Sigma Phi Epsilon, Golden Heart Academic Achievement Award, Washington Alpha Chapter, 1990-1992
Deans List, Washington State University, 1990
Idaho-Washington Reciprocity Scholarship, Washington State University, 1990-1994
Collegiate Academic All American Candidate, Pacific Lutheran University, *Fall 1988*

SKILLS

Intermediate working Spanish and Portuguese
International Travel
Class V Kayaker, Fly-fishing
Mountain Biking, Snowboarding/Skiing
Collegiate and Olympic Level Soccer
Photography and Writing
Culinary Arts

ASSOCIATIONS

American Fisheries Society (AFS)
Association of American Geographers (AAG)
Southern Arizona Geographers Association (SAGA)
The International Ecotourism Society (TIES)