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Education

University of California at Berkeley. Current doctoral student in Department of Environmental Science, Policy, and Management, Division of Ecosystem Sciences. Anticipated PhD in 2010.

Stanford University. B.S. in Biological Sciences with Departmental Honors and Distinction. Minor in German Studies. GPA 3.85. Degree conferred June 2000.

Hopkins Marine Station. Marine biology program, Monterey, California. Winter 1999-2000.

Stanford-In-Berlin. German studies, Berlin, Germany. Spring 2000.

Work Experience

Graduate Student Researcher: University of California, Berkeley. Fall 2005 to present.

I am currently investigating the resilience of stream ecosystems to the cumulative impacts of water extraction in the Mediterranean-climate region of California. Working with a watershed research group, I am analyzing a 12-year data set of juvenile steelhead population counts in relation to flow regime within several tributary streams to the Russian River in northern California. I am also currently designing an experiment to study temporal variability in aquatic habitat quality during the dry summer months. This study has the potential contribute to water management in the context of salmon conservation efforts and will provide direction for the development of my dissertation research.

Biologist/Environmental Planner: SHN Consulting, Eureka, California. Fall 2003 to spring 2005.

My duties included project management and technical biological investigations for projects throughout northern California. I conducted wetland delineations, vegetation mapping, biological assessments, and biological monitoring of mitigation sites. I worked closely with local resource agencies to prepare permit documentation and developed mitigation programs for private and public development projects.

Restoration Supervisor Volunteer: Friends of the Dunes, Manila, California. 2003-04.

I worked with a local non-profit organization to supervise teams of volunteers to remove exotic species from the dunes. I also lead tours through protected dune preserves in order to educate the public on the unique character of coastal dune ecosystems.

Research Assistant: Tambopata Research Center, Peru. Spring 2003.

I worked as a volunteer research assistant for the Tambopata Macaw Research Project in the tropical rainforest of southeastern Peru. My research activities including monitoring parrot activity at the world's largest avian claylick, conducting parrot census point counts in the forest, and monitoring nesting behavior of three species of large macaws. I conducted regular presentations to visiting tourists on the research project and rainforest conservation issues.

Biologist: Helix Environmental Planning, La Mesa, California. Fall 2000 to spring 2002.

I conducted and participated in wetland delineations, vegetation mapping, focused species surveys, and biological monitoring in San Diego and Riverside Counties. I prepared biological technical reports, conceptual mitigation plans, habitat restoration plans, and contributed to the production of CEQA documents and environmental permit packages.

Field Biologist: World Wildlife Fund (WWF), Husum, Germany. Fall 1999.

I participated in regional counts of migratory bird species on the coast of the North Sea in northern Germany. I gathered and analyzed approximately 10 years of resighting records of banded barnacle geese and produced an independent scientific paper reporting my findings.

Research Assistant: Stanford University, Stanford, California. Spring 1999.

I assisted in the installation of the Jasper Ridge Global Change Experiment facility as part of a long-term study to determine potential effects of global climate change on grassland ecosystems.

Research Assistant: Bing Research Fellowship, St. Martin, Caribbean. Summer 1998.

I worked with a small undergraduate research team under the direction of Stanford ecologist Dr. Joan Roughgarden. I designed and carried out an experiment to study the territorial behavior of two endemic *Anolis* lizard species.

Original Research and Publications

Grantham, Theodore. 2000. "Changes of migration patterns of Baltic and Siberian barnacle geese (*Branta leucopsis*) staging in the German Wadden Sea." Honors thesis, Department of Biological Sciences, Stanford University. Stanford, CA.

Grants and Awards

- Graduate Departmental Fellowship
- Phi Beta Kappa
- Robert C. Byrd Scholarship
- George C. Jacobs Scholarship
- Bing Undergraduate Research Fellowship

Professional Affiliations

- Society for Conservation Biology, Berkeley Chapter
- Society of Wetland Scientists
- California Native Plant Society
- Friends of the Dunes

Skills

- Experience in conducting plant and wildlife surveys, vegetation mapping and wetland delineations, stream surveys, bird counts, and animal behavioral studies
- Completion of Army Corps of Engineers Wetland Delineation and Management Training Program
- Trained in surveying techniques using standard manual instrumentation and GPS
- Wilderness First Aid certified and experienced in backcountry hiking and camping
- Computer skills include MS Word, Excel, ArcGIS, JMP, Powerpoint, EndNote
- Conversational in German and Spanish