

EMILY BURNS

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Objective: a research position in geochemistry, geology, or oceanography

EDUCATION

University of Rhode Island Graduate School of Oceanography, Narragansett, RI

Ph.D. candidate in geological oceanography, 1998-present. Degree expected 2004.

Dissertation is on the geochemistry and petrography of asteroid impact deposits in Mexico and Belize. Lab work includes preparation of rock samples by acid digestion for major and trace element analyses and interpretation of thin sections and chemical data. In charge of lab safety, maintenance, and ordering supplies.

Teaching assistant in volcanology and geological oceanography; helped to create class website and wrote teaching manual for a graduate-level geological oceanography class.

University of California, Davis, CA: MS in Geology, 1995

Thesis discussed possible short-term effects of asteroid impacts on shallow marine environments.

Teaching assistant in oceanography and planetary science.

Hampshire College, Amherst, MA: BA in Geology, 1987

Completed a one-year independent senior project that involved analyzing polluted bay muds by atomic absorption spectrophotometry for heavy metals, data analysis, and report writing.

EXPERIENCE

Technical Writer, 4/96 -- 8/98

Etak, Inc. (now Tele Atlas North America), Menlo Park, CA

Created and maintained the on-line technical manual for the software used to produce digital maps for GPS automotive navigational systems. Wrote customer documentation and internal product specifications. Proposed and created an online glossary of internal, geographic, and cartographic terms that improved internal communication.

Cartographic Technician, 7/95 -- 4/96

Etak, Inc. (now Tele Atlas North America), Menlo Park, CA

Digitized map information, interpreted aerial and orthographic photographs, and made inspections to ensure the quality of various databases.

Hydrologic Technician, 11/98 – 9/91

U.S. Geological Survey, Providence, RI

Organized and maintained a database of well logs, water quality data, and other information for a groundwater assessment study of Block Island, RI. Sole author of the data report for the project (USGS Open-File Report 92-155). Performed field mapping and river and well sampling, and trained and supervised other technicians.

COMPUTER SKILLS

MS Office, ArcView, AppleWorks, FrameMaker, PageMill, Photoshop; Mac OS 9 and 10, Windows, and UNIX operating systems

Co-creator and content writer of The City Rocks!, an educational website on building stone:
<http://homepage.mac.com/ebandpck/cityrocks/intro.html>