

Eric C Cross
10263 Gandy Blvd N Apt 603
Saint Petersburg, FL 33702
Email: ecross@marine.usf.edu
Website: <http://www.marine.usf.edu/PPBlaboratory/>
Phone: (727) 244-6974

Education

- University of South Florida, College of Marine Science, MS in chemical oceanography (projected graduation date: Spring 2004). Thesis title: “Compound Specific D/H Analysis of Late Holocene Lacustrine Sediments In Sub-Tropical North America: Implications for Reconstructing Atmospheric Circulation and Hydrologic Conditions.”
- Duke University Class of 2000, B.S. in Earth and Ocean Sciences.

Experience

- Teaching Assistant, Chemical Oceanography – University of South Florida, 1/04 – present. Provide aid to students, grading, interact with professors. Supervisor – Dr. David Hollander (contact info listed under references).
- Research Assistant – University of South Florida, 8/02 – present. Geochemical laboratory analyses, scientific writing, lab management, training and supervision of undergraduate summer intern. Supervisor: Dr. David Hollander.
- Summer Intern – Woods Hole Group Environmental Consulting Firm, summer 2002. Coastal management and engineering projects. Supervisor: Jeffrey Tabar (contact info listed under references).
- Laboratory Technician – United States Geological Survey, 10/00 - 2/02. Sediment core analysis and chemical prep work for isotopic dating. Supervisor: Dr. Charles Holmes, Research Scientist, 727-803-8747 ext. 3056.
- Research cruises to Orca Basin, Gulf of Mexico, summers of 2002, 2003. Water column and sediment analysis.
- Field Studies in Tropical Marine Geology, spring 2000. Geologic field work in South Florida.
- Yellowstone Bighorn Research Association Geologic Field Camp, summer 1999.

• Professional Organizations and Presentations

- Member, Geological Society of America.
- Member 2002-2003, American Geophysical Union.
- Geological Society of America, Fall 2003 Conference – oral presentation, “Compound Specific D/H Analysis of Late Holocene Lacustrine Sediments In Sub-Tropical North America: Implications for Reconstructing Atmospheric Circulation and Hydrologic Conditions.”
- American Geophysical Union, Fall 2003 Conference – poster presentation, title same as above.
- International Limnogeology Congress, Spring 2003 – poster presentation, title same as above.

• Technical Proficiency

- ThermoFinnigan Delta Plus Continuous Flow Mass Spectrometer.
- ThermoFinnigan Elemental Analyzer (combustion) and TC/EA (pyrolysis) peripherals.
- ThermoFinnigan Gas Chromatograph coupled to Delta Plus MS.
- Hewlett Packard Gas Chromatograph with flame ionization detector.
- UIC, Inc. Coulometer (combustion and acidification).
- X-ray diffraction analysis.
- Organic lipid extractions.
- PADI open water SCUBA certification.
- Field experience with oceanographic research equipment (including CTD and niskin bottle deployment, box-coring, piston coring, in-situ water filtration devices).
- Computer literacy (Apple and PC operating systems, Microsoft Office programs, Isodat NT software, MatLab, Canvas).

- **References**

- Dr. David Hollander, Chemical Oceanography, University of South Florida College of Marine Science
140 7th Ave. S, St. Petersburg FL, 33701, (727) 553-1019.
- Dr. Terrance Quinn, Geological Oceanography, University of South Florida College of Marine Science
140 7th Ave. S, St. Petersburg FL, 33701, (727) 553-1017.
- Jeffrey Tabar, Environmental Engineer, PBS&J 5300 W. Cypress St. Suite 300 Tampa, FL 33607, (813)
282-7275.