



## WATER RESOURCES RESEARCH GRANT PROPOSAL

**Project ID:** VI4201

**Title:** Teaching an Intensive Short Course on Water Resources, Coastal Hazards, and Coral Reef Degradation

**Focus Categories:** Groundwater, Education

**Keywords:** fractured aquifers, geoindicators, coastal hazards, beach profiles, hurricane impacts, coastal management

**Start Date:** 04/01/2001

**End Date:** 03/31/2002

**Federal Funds:** \$15,000

**Non-Federal Matching Funds:** \$0

**Congressional District:** not applicable

**Principal Investigator:**

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**Abstract**

There are perhaps no more pressing issues faced by Caribbean island nations than questions of water supply, coastal erosion, and coral reef degradation; and not necessarily in that order. The State University of West Georgia, Center for Water Resources has developed a series of intensive short courses dealing with these and other geologic problems. Each short course is approached from the perspective of presenting a comprehensive background to the physical processes and management considerations. Input of course participants is vital to tailor each course to local needs. This proposal to the Virgin Islands Water Resources Research Institute is to present a 4.5-day intensive short course covering three main areas:

1. Coastal geology, coastal hazards, coastal management;
2. Coral reef ecology and stressors; and
3. Groundwater exploration and development.

The course will be taught in St. Thomas, or other appropriate locale as dictated by needs of the participants. The course will consist of 2.5 days seminar style lectures with discussions, 1.5 days field excursion, and 0.5 day wrap-up and final discussion.