

## Mapping Ocean Sanctuaries- A GIS Workshop for Teachers

June 22-24, 2005

Coral Shores High School, Key Largo, FL

Are you interested in learning how to use Global Position Systems (GPS) and Geographic Information Systems (GIS) technologies to study geography and ocean science? Would you like to involve your students in field data collection and analysis using their own data and data collected by governmental agencies such as the NOAA's National Marine Sanctuaries Program and NASA?

If so, we invite you to apply for the Mapping Ocean Sanctuaries teacher workshop. During the workshop, you will explore the biological, physical, and geological characteristics of our coastlines and national marine sanctuaries in order to understand how they differ from each other and why each is so unique.

The workshop will include:

Hands-on instruction on how to use ArcView GIS software and GPS hand-held units, using,

- Exploring Data with GIS to Experience Sanctuaries (EDGES) curriculum. Materials developed with funding from the National Science Foundation (NSF) and the National Oceanic and Atmospheric Association (NOAA)'s National Marine Sanctuary Program;
- Mapping Our World curriculum; a set of 20 geography-based GIS lessons for educators developed by ESRI. It includes a one-year, site license for ArcView GIS software;
- A snorkeling/boat trip to collect water quality and fish sighting data in the Florida Keys National Marine Sanctuary. (Equipment rental available at local dive shops.)
- We are seeking dedicated educators who wish to engage their students in discovery-based learning of ocean science and geography with GIS and GPS technologies.

Workshop cost :Free!

Lunches provided. Transportation and lodging are the responsibility of the participant.

Location of workshop : Coral Shores High School. Key Largo, Florida.

Please mail or FAX your application by Wednesday May 11, 2005 to:

Ivy Kelley

Florida Keys National Marine Sanctuary

P.O. Box 1083 /95230 Overseas Highway

Key Largo, FL 33037

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<http://floridakeys.noaa.gov/>