

**Client**

Dr. Leonard Nurse  
Coastal Conservation Planning  
Unit, Government of Barbados  
T. (809) 428-5945

**Location**

Barbados

**Services**

- Coastal engineering
- Terrestrial water quality monitoring
- Marine biology studies
- Socio-economic analyses

**Date**

1991 - 1995

**Key Personnel**

Dave Yaeger, P.Eng., Terrestrial  
Water Quality

Tricia Berry, GIS

Steve Fagyas, Economist

James McWilliam, Landscape  
Architect

Doug Clark, Fisheries Biologist

**Contract Value**

US \$2.6 Million



## Barbados Coastal Zone Management Program

**Scope of Services**

An integrated management program to protect and enhance the marine and terrestrial environment.

**Project Description**

This multi-disciplinary project involved sampling and analysis of terrestrial and marine water quality, assessment and modelling of coastal engineering process, assessment of marine toxicology, identification and evaluation of socio-economic issues, economic impact analysis, land use planning, environmental impact assessment, and a public participation program. Six pilot projects involving shoreline protection, beach regeneration and water quality enhancement were also implemented to assess remedial measures to address the fundamental shoreline problems.

These activities were undertaken to better define the multi-faceted environmental problems along the west and south coastlines to develop programs to protect and enhance the beaches, coral reefs, and marine environment.



**Results**

A comprehensive management plan was developed with recommendations for engineered coastal measures, land use controls, water quality remediation, restoration of marine habitat, additional research needs, educational programs and a framework for implementation.

The US \$2.6 million project was funded by the Inter-American Development Bank.