

# Bay Islands Environmental Management Project

## HONDURAS

SECTOR: Environment

PROJECT NAME: Bay Islands Environmental Management Project  
(938/SF-HO)

TOTAL COST: \$23.9 million

FINANCING:

IDB \$19.1 million

LOCAL \$ 4.8 million

DATE OF APPROVAL: December 14, 1994

GENERAL DESCRIPTION: The general objective of the program is to maintain and improve the quality of the environment on the Bay Islands as a basis for sustainable economic development. Specific objectives include: (a) protecting and restoring natural resources and coastal and marine ecosystems by establishing a system of integrated management; (b) developing and institutionally strengthening local capacity for planning, managing and administering economic utilization of natural resources; (c) improving the conditions and standard of living of the inhabitants of the islands through improvements in water supply, introduction of basic sanitation and maintenance of ecosystems; and (d) establishing mechanisms of cost recovery for public investment in the environmental sector and generating the resources and financial income needed to support sustainable development on the islands.

The program consists of the following four subprograms:  
(a) integrated management of natural resources:

activities for the management of coastal and marine resources, as well as protected areas and basins, environmental education and community participation; (b) environmental sanitation: water supply systems, including a hydrogeological survey, sewer systems, solid waste disposal, and small-scale water and sewerage works; (c) real estate census and property registry: a basic mapping survey to precisely measure the ground area of the properties within the jurisdiction of each municipality; and (d) institutional strengthening and development: establishment of the environmental unit on the Bay Islands, institutional strengthening of municipalities, specific strengthening of SEDA to support project execution, and introduction of a geographical information system.

**CONSULTANTS:**

Consultants will be hired to: (a) carry out the natural resources component of the program (65 international consultant/months in the areas of coastal management, operation of protected marine areas and marine biology and ecology; 590 national consultant/months in biology, watershed management, community promotion and environmental education); (b) supervise and inspect environmental sanitation systems (60 consultant/months); (c) carry out hydrological and hydrogeological surveys on Roatán Island (a consulting firm will be hired for 80 expert/months); (d) strengthen the municipal agency responsible for management, administration and supervision of solid waste disposal; (e) conduct the real estate census and property registry component: including 120 expert/months for aerial photography, a geodesic survey, preparation of the required orthophotos, setting up of real estate registry offices in each municipality, and training of municipal office staff in real estate census organization and procedures; (f) establish an environmental impact analysis unit (eight expert/months for training courses and seminars, selection and evaluation of projects, development of environmental handbooks, etc.); (g) design a geographic information system (12 expert/months); and (h) design a rate scale.

**GOODS AND EQUIPMENT:** Equipment will be purchased for the municipal real estate registry offices. In addition, communications, telecommunications, computer and office equipment, materials and supplies will be purchased for the executing agency; and computer equipment, office

supplies, vehicles and materials will be required for the Project Coordinating Unit.

**CIVIL WORKS:**

The following works will be undertaken as part of the environmental sanitation component: (a) installation and/or rehabilitation of intake works, water pipes, distribution tanks, pumping stations, distribution networks, new wells and approximately 6,500 household connections and water meters; (b) installation of collector networks for domestic waste water, trunk interceptors, pumping stations, four chlorine-based primary treatment plants and individual facilities (latrines, septic tanks and oozing wells) in the communities of Coxen Hole, French Harbour and Oak Ridge; (c) closing of existing garbage dumps and construction of a sanitary landfill on Roatán Island; and (d) rehabilitation of wells in poor condition on three islands.

**EXECUTING AGENCY:**

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