

ISLAND RESOURCES FOUNDATION

Caribbean Headquarters

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1987 YEAR END PROGRAM SUMMARY

To IRF's Members, Friends, and Colleagues --

We are pleased to report that 1987 has been one of the most productive and active years in the 15 year history of the Island Resources Foundation. Although the level of grants and contract program funding fell slightly behind the prior fiscal year, the amount of unrestricted gifts and donations more than doubled. The following summary provides more detailed information about our sources of support.

SOURCE OF REVENUES AND SUPPORT, FISCAL YEAR 1987 [Total = \$375,000]			
(source)	GRANTS	CONTRACTS	UNRESTRICTED DONATIONS
U.S. Government Agencies	4%	28%	
Caribbean Govt. Agencies	2%	11%	
Caribbean Regional Institutions	12%	1%	
US-Based Non-Govt. Organizations	25%		
Individuals	1%		7%
Corporate & Institutional Gifts			9%
	44%	40%	16%

Since our modest beginnings in 1971, the Foundation has emerged as one of the leading information and advocacy organizations on behalf of sustainable growth for small islands throughout the world. During 1987, we strengthened this mandate by ...

... challenging the international environment community to re-think and re-design the highly sophisticated, continentally-shaped Environmental Impact Assessment process as an appropriate technology for small developing countries, particularly insular areas (see 1987 Publications insert, IRF Occasional Paper #45)...

... bestowing recognition for outstanding environmental leadership in the Eastern Caribbean through establishment of the Euan McFarlane Fellowship, a US\$1,000 unrestricted cash award to be presented annually to a deserving young West Indian (endowment funding provided by Laurance S. Rockefeller) ...

... encouraging the discussion of improved long-term development strategies for islands by working cooperatively with, among others, the following organizations and agencies:

- U.S. CONGRESS (Office of Technology Assessment), study of renewable resource management in the nearly 2,300 U.S.-affiliated islands in the Caribbean and Pacific (see 1987 Publications insert, OTA Report);
- UNESCO and THE BANFF CENTRE, SCHOOL OF MANAGEMENT (Canada), participation in workshops on "environmentally sound tourism" held, respectively, in Martinique and Barbados;
- COMMONWEALTH SCIENCE COUNCIL, CARIBBEAN CONSERVATION ASSOCIATION, and others, design of a coastal zone management project for the Lesser Antilles;
- U.S. MAN AND THE BIOSPHERE PROGRAM, Islands Directorate, preparation of the lead study on small island development in the Caribbean, to be included in forthcoming Cambridge University publication on sustainable development and environmental management for small islands (see 1987 Publications insert, IRF Occasional Paper #46);
- INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN), participation in an international symposium to explore worldwide programs for landscape protection, held in the Lake District National Park (UK) ...

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PROGRAMS 1987

ENVIRONMENTAL ASSESSMENT AND NATIONAL PLANNING

IRF is providing technical assistance to the Caribbean Conservation Association (CCA) and selected Eastern Caribbean islands for development of Country Environmental Profiles, a comprehensive assessment of the "state of the environment" in countries receiving U.S. government aid.

Country Environmental Profiles (CEPs) are one means of insuring that environmental issues are addressed in the development planning process. Since 1979, U.S. AID has supported profile projects in 14-U.S. AID-assisted countries in Central and South America. That process has now commenced in the Eastern Caribbean, with the first CEP effort launched in June of 1987 in St. Lucia.

A local policy coordinating committee was established in St. Lucia, and this body, comprising representatives from the public and private sectors, has designed the profile framework for that country, identifying those key environmental problems, issues, and sectors which are to be addressed by project writers. The St. Lucia National Research and Development Foundation is the lead local organization assisting with project implementation.

Michael King, executive director of CCA, is project director, and Edward Towle, president of IRF, serves as project manager/CEP team leader. Mr. Paul Hippolyte of St. Lucia is IRF's on-site project representative.

Following completion of the St. Lucia Profile, additional CEP countries for 1988 are Dominica, Grenada, and St. Kitts-Nevis.

PROGRAMS 1987

PROTECTED AREA RESOURCE MANAGEMENT

Since 1983, IRF has managed a series of research and resource management activities focused on the Virgin Islands National Park on the island of St. John, an internationally recognized marine reserve. These studies represent one of the most intensive data collection efforts ever carried out in a protected area in the Eastern Caribbean.

Under the aegis of the V.I. Resource Management Cooperative (VIRMC), which consists of a dozen cooperating institutions in the Virgin Islands and Puerto Rico, IRF has overseen 30 projects related to the Virgin Islands National Park, which has been designated by UNESCO as an international Biosphere Reserve.

To date, 21 of 29 VIRMC reports have been released. The enclosed 1987 Publications insert provides information on those issued in 1987.

PROGRAMS 1987

PRIVATE SECTOR INITIATIVES

One year ago IRF initiated a program to assist non-government organizations (NGOs) in the Eastern Caribbean. Our objective is to offer a variety of assistance programs for NGOs, the assumption being that this support will ultimately improve the capacity of NGOs to provide private sector leadership for achieving environmental goals.

A survey by IRF of 8 Caribbean islands identified over 120 groups which are non-government, non-profit, and non-political. Each has been evaluated on its leadership qualities, long-term viability, and concern about significant environment/development issues. Twenty-three NGOs were selected for specialized technical assistance and program development support. Of these, 7 are "traditional" conservation groups and 16 are non-environment NGOs, such as Chambers of Commerce, Hotel Associations or community self-help groups.

Two computerized data banks of NGO information have been established. One provides detailed information on Eastern Caribbean NGOs and will be used to help donor organizations evaluate the institutional strengths of these groups. The second is to provide NGOs with up-to-date information on programs available to assist them. For this data base, IRF is compiling information on over 100 donor groups currently supporting programs in the Caribbean related to resource management.

IRF has also launched a mini-grant program to which Caribbean NGOs may apply for funding assistance for activities which promote long-term institutional growth. To date, mini-grants have been made to NGOs in Dominica, Grenada, Montserrat, Nevis, and St. Vincent.

Funding for this project has been provided by the World Wildlife Fund-US and the Rockefeller Brothers Fund.

PROGRAMS 1987

ECOSYSTEM RESEARCH

Under the direction of principal investigator, Dr. Mary Lou Coulston, IRF has completed two Virgin Islands-based projects which add to the existing data base about the territorial ecosystem while exploring environmental protection options.

During the months of July and August, Dr. Coulston's research team completed a pilot experimental seagrass transplantation project on the south shore of St. Croix. A seagrass area slated to be destroyed by dredging operations was transplanted to a nearby unvegetated area. A new seagrass area has in effect been created to replace the one which will be destroyed by dredging, thus providing protection for one of the most important and productive habitats found in tropical coastal waters.

A 3-month biological monitoring program for the Red Point sewer outfall area of St. Thomas was also carried out by Dr. Coulston and her associates. Living marine organisms were placed at the outfall of the sewer to study the stress caused by effluent and to monitor subsequent survival and growth. Results provided information for recommendations about the sewerage treatment needed to prevent environmental damage and to protect local marine plants and animals.

PROGRAMS 1987

ISLAND STEWARDSHIP

Since 1974 Dr. and Mrs. Lyman J. Spire, of Fayetteville, New York and St. Thomas, Virgin Islands, have generously supported the work of the Island Resources Foundation. In recognition of their contribution as IRF's largest individual donors, the Foundation's Board of Trustees has chosen to name IRF's protected area land holdings at Fish Bay, St. John, U.S. Virgin Islands THE NANCY WOODSON SPIRE NATURE RESERVE.

At another of the Foundation's insular research facilities -- The Radcliffe Barrier Island Research Station at Fire Island, New York -- research on the migration patterns of Kemp's ridleys, the most endangered of all sea turtles, was carried out by Dr. Anne Meylan of the American Museum of Natural History. Although it is widely believed that ridleys outside the Gulf of Mexico are "waifs," investigations by Dr. Meylan and others suggest the possibility that the waters of Long Island Sound represent a normal developmental habitat. It is an hypothesis with important implications for better understanding the ecological geography of the species.

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A final word to IRF's members and friends. We need your continued help and contributions! A donation envelope is enclosed, and we hope you will include the Foundation among those organizations and charities to which you lend your support. We remind our U.S. readers that in a few short weeks, the rate of deduction allowed for charitable contributions will be reduced to its lowest point under tax reform. Thus, your membership renewal for 1987 represents your last chance to give to IRF at the present higher rates of tax deduction. Again, as so many times in the past, we thank you for your assistance.

Judith and Edward Towle
December 10, 1987

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RECENT IRF REPORTS and PUBLICATIONS - 1987

	Price	Send
(1) Rainey, W., Pierson, E., and Towle, E., <u>DOMINICA BANANA REHABILITATION PROJECT: A PESTICIDE ASSESSMENT</u> . U.S.AID-funded study of agricultural pesticide impact on Caribbean wildlife. 44 pp.	\$ 4.50	[]
(2) Smith, R., Tyson, G. and Towle, E., <u>REPORT OF A ... MARINE ARCHAEOLOGICAL SURVEY OF THE VIRGIN ISLANDS PORT AUTHORITY DREDGE AND FILL PROJECT AT LIMETREE BAY, SOUTH SHORE, ST. CROIX, U.S. VIRGIN ISLANDS</u> . 26 pp.	\$ 3.00	[]
(3) Towle, J., Towle, E., and Potter, G., <u>SUMMARY REPORT ON EASTERN CARIBBEAN NON-GOVERNMENT ORGANIZATIONS</u> . Prepared for funding agencies (World Wildlife Fund-US and Rockefeller Brothers Fund) to provide evaluation of 120 non-government organizations surveyed by IRF in 8 Eastern Caribbean islands. Includes general observations about the Eastern Caribbean NGO sector and 18-page appendix listing all organizations surveyed. 86 pp. (revised)		Restricted Distribution
(4) Coulston, M.L., <u>PILOT EXPERIMENTAL SEAGRASS TRANSPLANTATION PROJECT (SOUTH SHORE, ST. CROIX)</u> (including appendix on survey phase and methodology). Prepared under contract by the Island Resources Foundation for the Virgin Islands Port Authority. 36 pp.	\$ 4.00	[]
(5) Coulston, M.L., <u>BIOMONITORING STUDY OF MUNICIPAL SEWAGE IMPACTS ON SELECTED CORALS</u> (Study Site: Red Point, St. Thomas, U.S. Virgin Islands). Biological study for V.I. Government waiver application to U.S. Environmental Protection Agency. 58 pp.		Not yet available
(6) Coulston, M.L., <u>ENVIRONMENTAL IMPACT OF DEPOSITING DREDGE SPOILS IN AN AREA NORTHEAST OF HANSON'S BAY, ST. JOHN'S, ANTIGUA</u> . Prepared by Island Resources Foundation under contract to Ivor L. Jackson Associates (St. John's Antigua) for the Government of Antigua.		Not yet available
(7) [IRF Occasional Paper #45] Towle, E., <u>CHALLENGES FACING DEVELOPMENT PLANNING AND IMPACT ASSESSMENT: A CARIBBEAN PERSPECTIVE</u> . Invited paper presented at International Workshop on Impact Assessment for International Development (Barbados, June 1987). 12 pp.	\$ 1.75	[]
(8) [IRF Occasional Paper #46] McElroy, J., Potter, B., and Towle, E., <u>CHALLENGES FOR SUSTAINABLE DEVELOPMENT IN SMALL CARIBBEAN ISLANDS</u> . Invited paper presented at Interoceanic Workshop on Sustainable Development and Environmental Management of Small Islands (San Juan, Puerto Rico, November 1986). 21 pp.	\$ 3.00	[]
(9) While the supply lasts, IRF will distribute copies of a newly released study from the U.S. Office of Technology Assessment on the development of increased self-reliance in U.S.-affiliated island areas. Both the Executive Summary and the full report document available under title of: <u>INTEGRATED RENEWABLE RESOURCE MANAGEMENT FOR U.S. INSULAR AREAS</u> . Executive Summary, 51 pages (OTA-F-326) Full Report, 441 pages (OTA-F-325)		Postage/ Handling Costs Only [] []
(10) In September, the Foundation began publication of <u>NGO NEWS</u> , a newsletter designed for non-government organizations (NGOs) in the Eastern Caribbean. Information on institutional development topics such as fund raising, project design, fiscal management, computerizing, and more will be periodically disseminated in the newsletter. If you represent an NGO in the Caribbean and are not receiving this publication, you may request that your name be added to our mailing list.	No Charge	[]

The following reports have been published jointly by the U.S. National Park Service and the Virgin Islands Resource Management Cooperative (VIRMC), 1987, as a part of ongoing research, resource management, and educational activities related to the Virgin Islands Biosphere Reserve on the island of St. John. Xeroxed copies of individual reports in the series may be purchased from Island Resources Foundation, which has acted as the local contracting agent for VIRMC since its formation in 1982. N.B. For a list of Reports #2-14 (published in 1986), please contact the Foundation's publications office.

Report #15	Putney, A., DATA SYNTHESIS AND DEVELOPMENT OF A BASIS FOR ZONING OF THE VIRGIN ISLANDS BIOSPHERE RESERVE. 44 pp.	\$ 6.00	[]
Report #16	Putney, A., CONCEPTUAL FRAMEWORK FOR THE MANAGEMENT OF THE VIRGIN ISLANDS BIOSPHERE RESERVE. 21 pp.	\$ 3.50	[]
Report #17	Rogers, C. and Zullo, E., INITIATION OF A LONG-TERM MONITORING PROGRAM FOR CORAL REEFS IN THE VIRGIN ISLANDS NATIONAL PARK. 31 pp.	\$ 5.00	[]
Report #18A	Knausenberger, W., Matuszak, J. and Thomas, T., HERBARIUM OF THE VIRGIN ISLANDS NATIONAL PARK: CONSOLIDATION AND CURATION OF A REFERENCE COLLECTION. 51 pp.	\$ 7.00	[]
Report #18B	Matuszak, J., Craft, E. and Knausenberger, W., ESTABLISHMENT AND SOIL CHARACTERIZATION OF LONG-TERM FOREST MONITORING PLOTS IN THE VIRGIN ISLANDS BIOSPHERE RESERVE. 81 pp.	\$12.00	[]
Report #19	Tyson, G., HISTORIC LAND USE IN THE REEF BAY, FISH BAY, AND HAWKSNEST BAY WATERSHEDS, ST. JOHN, U.S. VIRGIN ISLANDS, 1718-1950. 54 pp.	\$ 7.00	[]
Report #20	Hubbard, D., A GENERAL REVIEW OF SEDIMENTATION AS IT RELATES TO ENVIRONMENTAL STRESS IN THE VIRGIN ISLANDS BIOSPHERE RESERVE AND THE EASTERN CARIBBEAN IN GENERAL. 41 pp.	\$ 6.00	[]
Report #21	Hubbard, D., Stump, J. and Carter, B., SEDIMENTATION AND REEF DEVELOPMENT IN HAWKSNEST, FISH AND REEF BAYS, ST. JOHN, U.S. VIRGIN ISLANDS. 104 pp.	\$15.50	[]
Report #22	Boulon, R., A BASIS FOR LONG-TERM MONITORING OF FISH AND SHELLFISH SPECIES IN THE VIRGIN ISLANDS NATIONAL PARK. 66 pp.	\$10.00	[]

ORDER INFORMATION

All items are quoted in U.S. dollars and will be mailed fourth class book rate to U.S. addresses or printed matter (surface) rate to non-U.S. locations UNLESS first class or air mail postage is specified with order. Postage will be billed directly. Additionally, handling charges are: \$3.00 for orders \$5.00-\$50.00 and \$5.00 for orders over \$50.00. Please send payment in U.S. currency by U.S. bank draft or international money order.

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