

4.2.6. Objective: To reduce to 25 acres or less, the area for which an Environmental Impact Assessment is mandatory before subdivision is approved.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Amend the National Lands Act to address this issue.	Land and Forest Departments and Audubon Society	✓		\$1,000
				(BZD)

4.2.7. Objective: To increase the penalties for the violation of natural resource laws.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Examine all relevant laws to Natural Resource use and increase the penalties for the violation of these after appropriate consultations with the judiciary, stakeholders and the community at large.	Archaeology, Agriculture, Forest, Police & Environment Departments, Solicitor General, AFFWCFR, Judiciary, TIDE	✓		\$1,000
b. Conduct a workshop with all relevant organizations to re view suggested increases in the penalties for violating the relevant laws and to finalize amounts.	Archaeology, Agriculture, Fisheries & Environment Departments, BTIA/Relevant NGO, TIDE	✓		\$7,000
c. Adopt and implement recommendations from a. and b. above.	Archaeology, Fisheries & Forest Departments	✓		\$1,000
				(BZD)

4.2.8. Objective: To improve monitoring and enforcement of all laws on natural resource use.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct a workshop of all relevant organizations to closely assess monitoring and enforcement issues.	Archaeology, Fisheries, Environment, Forest, Police Departments, AFFWCFR, TIDE	✓		\$7,000
b. Identify and access assistance required to better enforce natural resource laws.	Archaeology, Fisheries, Environment, Forest, Police Departments, AFFWCFR, TIDE	✓		\$52,000 yr I \$6,500 yr II - V

D. Agriculture

4.2.9. Objective: To develop a Sustainable Agricultural Policy that focuses on the conservation of biodiversity, agro-biodiversity, integrated pest management, organic farming, agro-forestry, environmentally friendly farming techniques and food security issues.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct a review of the current agricultural policy and revise accordingly.	Ministry of Agriculture, CGA Private Sector, NGOs working in agriculture, SOS	✓		\$10,000

4.2.10. Objective: To include agro-forestry, plantation forestry and the sustainable harvesting of timber and non-timber products, as required for the purchase of leasehold lands.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Revised Land Use Policy to include agro-forestry, plantation forestry and the sustainable harvesting of timber and non-timber products, as required for the purchase of leasehold lands.	LUA, Agriculture, Lands, Forest Departments, PFB Private sector representation	✓		\$20,000

4.2.11. Objective: To develop monitoring mechanisms for the disposal of waste and effluents from agricultural and agro-industry operations.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Review and update the legislative framework for the disposal of waste and effluents to establish a coordinated approach to monitoring.	Attorney General's Ministry, Department of Environment, Producer Associations, CGA	✓		\$10,000

4.2.12. Objective: To introduce incentives to encourage investors to make ecologically sound investments.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct a series of consultative meetings to develop incentives for ecologically sound investments.	Ministries of Economic Development, Finance, Agriculture, Tourism, MNR&E.	✓		\$25,000

4.2.13. Objective: To introduce legislation to provide for exemplary fines to be levied on companies or individuals that inadequately dispose of environmentally damaging waste.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Amend the Environmental Protection Act to include exemplary fines for inadequate disposal of wastes potentially harmful or damaging to the environment.	Attorney General's Ministry, Department of the Environment, NGOs, TIDE	✓		\$15,000

E. Tourism

4.2.14. Objective: To develop a Tourism Policy that is cognizant of biodiversity and environmental issues.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Review proposed Tourism Strategy Plan and modify to take address biodiversity and environmental issues.	Ministry of Tourism, Belize Tourist Board, Tourism NGOs, DOE & National Biodiversity Office	✓		\$25,000
b. Monitor tourism carrying capacity for all sites visited by registered tour guides with tourists, in order to determine when tourism visitation becomes a threat to biodiversity.	BTB, BTIA, Archaeology, Forest and Fisheries Departments, PFB, BAS, DOE, CHPA, TIDE	✓	✓	\$30,000/yr

F. Medicinal Plants

4.2.15. Objective: To strengthen the Regulations governing the harvesting, use and trade of medicinal plants, especially wild and threatened species.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Introduce a revised permitting system for the collection of medicinal plants.	Forest Department, THF, IXCHEL	✓		\$3,500
b. Amend the Forest Act to address the harvesting and extractive use of medicinal plants.	Forest Department, THF Management of Protected Areas, IXCHEL	✓		\$10,000
c. Empower park and other wardens to enforce the permitting system.	Forest Department, THF Management of Protected Areas, IXCHEL	✓		\$2,000
d. Introduce a certification/registration system for traditional healers (to be organized and managed by traditional healers groups/associations).	Forest Department, THF & TH Associations, Ministry of Health.	✓		\$12,000
e. Enact relevant legislation to protect knowledge of traditional healers.	Forestry Department, NBO Solicitor General's Office, and THF	✓		\$6,000

4.2.16. Objective: To develop a National Bio-prospecting Policy to guide the harvesting and sustainable use of medicinal plants.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Appoint a committee with responsibility to draft a National Bio-prospecting Policy addressing the harvesting and use of medicinal plants.	Forest Department, NBC, National Biodiversity Office (NBO) and SOS	✓		N/A
b. Conduct wide range consultations with stakeholders.	Forest Department, National Biodiversity Office, Bioprospecting Committee	✓		\$10,000
c. Develop and write the National Bio-prospecting Policy.	Forest Department, National Biodiversity Office, Bioprospecting Committee	✓		\$10,000

G. Legal and Policy Framework

4.2.17. Objective: To reduce overlap within the legislation which impacts on biodiversity conservation and sustainable use.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Review the Forest Act and the Lands Utilization Act to identify and correct those areas of legislative overlap, especially relating to the use and management of water and watersheds.	Forest & Hydrology Departments, SOLGEN	✓		\$4,000
b. Review the Forest Act, the National Parks Systems Act and the Fisheries Act to identify and correct those areas of overlap relating to the designation and management of protected areas.	Archaeology, Fisheries & Forest Departments, SOLGEN	✓		\$2,000

c. Review the Environmental Protection Act, the Environmental Impact Assessment Regulations, the Forest Act, the National Parks Systems Act and the Fisheries Act to identify and correct areas of overlap and ambiguity.	Archaeology, Fisheries, Forest & Environment Departments, SOLGEN	✓		\$4,000
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4.2.18. Objective: To develop the legal and policy framework for the sustainable use of water resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Hold consultations with the commercial Private Sector, NGOs, CBOs and Government Agencies on the mechanisms for the sustainable use of water resources.	Forest and Hydrology Departments, Water and Sewerage Authority, DOE	✓		\$24,000
b. Review data available on water resource use in Belize and convene a workshop to discuss recommendations.	Forest and Hydrology Departments, DOE	✓		\$2,000
c. Develop appropriate legislation and Regulations.	Environment, Hydrology & Forest Departments, SOLGEN	✓		\$8,000

4.2.19. Objective: To provide guidance for the conservation on private reserves.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Formulate, adopt and implement a policy to regulate establishment and management of private reserves.	Archaeology, Fisheries & Forest Departments, PFB SOLGEN	✓		\$4,000

4.2.20. Objective: To provide legal protection for watersheds, estuaries and wetlands.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Develop regulations under the Forest Act.	Forest and Hydrology Departments, CZMP/A	✓		\$8,000
b. Conduct consultations with major stakeholders, NGOs, CBOs, and community at large to discuss draft Regulations.	Forest Department	✓		\$2,000

4.3. Human and Institutional Capacity Building for Conservation and Sustainable Use of Biodiversity (Article 12, Article 13, and Article 18)

A. Environmental and Land Use Planning

4.3.1. Objective: To improve and strengthen Environmental and Land Use Planning for regional and sub-regional areas.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	>5 years	
a. Strengthen the Special Development Area (SDA) program by assigning a person trained in GIS to assist the Physical Planner at the Physical Planning Unit.	LIC, Physical Planning Unit – MNR&E	✓		\$15,000
b. Provide training in Environmental and Land Use Planning for the technical staff of agencies involved in the management of coastal resources.	CZMP/A, SOS and PFB	✓		\$30,000
c. Establish a post and provide training for Planner-Community Liaison Officer at the Department of Housing and Planning, to work with communities to develop, implement and monitor compliance with plans.	Housing Department	✓	✓	\$76,000/ yr
d. Training in catchment planning to all planning institutions and NGOs involved in conservation planning.	CHPA, Housing Department, Physical Planning Unit – MNR&E, CZMP/A, NGOs, CBOs, PPC, TIDE, PFB	✓		\$29,000

B. Information and Geographical Information Systems (GIS)

4.3.2. Objective: To maximize the use of information technology (GIS) in planning and management of biological resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Provide practical training in the "Application of GIS for Planning" for the technical staff in key planning institutions.	Central Housing and Planning Authority, Housing Department, Physical Planning Unit – MNR&E, CZMP/A, NGOs, CBOs, LIC, TIDE, PFB, CGA	✓		\$29,000 (BZD)

C. Fisheries, Coastal and Marine Resources

4.3.3. Objective: To make decisive investments in staffing, training and institutional infrastructure.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	>5 years	
a. Identify and access specialized training courses on Biodiversity Management for personnel from Government, NGOs and the Private Sector.	NBO, CZMP/A	✓	✓	\$210,000/yr (BZD)
b. Identify and access specialized training courses on the Integration of Fisheries and Aqua-culture in Coastal Zone Management for staff of the Fisheries Department.	Fisheries Department and the Coastal Zone Management Authority	✓		\$40,000/yr
c. Identify and access specialized training courses on Sustainable Fisheries Development Planning for the its technical staff.	Fisheries Department	✓		\$40,000/yr

d. Increase technical staffing at the Forest Department, the Lands Department, the Office of Petroleum and Geology and the Department of the Environment.	Ministry of Finance, Relevant Departments	✓	✓	\$230,000/yr
e. Acquire the hardware, software and training necessary for Internet connection at all agencies involved in the management of coastal and Marine biological resources so as to maximize access to information.	Ministry of Finance, Relevant Departments	✓		\$180,000
f. Develop a system for the shared use of equipment between agencies.	National Biodiversity Office	✓		\$24,000
g. Train NEAC members to the level of expertise necessary to conduct robust technical evaluations of EIAs.	Discipline Specific & DOE	✓	✓	\$60,000/yr

4.3.4. Objective: To establish mechanisms that are suitable for achieving a change of attitude by users of Belize's coastal and marine resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	>5 years	
a. Conduct frequent training programs for fishermen on the use and benefits of less destructive fishing methods and on the biology of targeted species.	Fisheries Department, NGOs, CBOs, TIDE	✓	✓	(BZD) \$60,000/yr

D. Forest and Wildlife Management

4.3.5. Objective: To increase the capacity of resource managers and users to sustainably manage forest and wildlife resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct workshops on biodiversity conservation, sustainable forest management and low impact logging.	Forest Department, Saw millers, loggers, license holders, Forest Industry Association, BIM, Help for Progress, BEST and SOS, TIDE, PFB	✓		\$8,000
b. Develop and implement training programs for the establishment of small businesses (non-timber forest products and other businesses as appropriate) at the community level.	Forest Department, Saw millers, loggers, license holders, Forest Industry Association, BIM, Help for Progress, BEST, TIDE, PFB	✓		\$8,000
c. Develop and implement training and education programmes for Village 'Alcaldes' and Village Chairmen to enhance their capacity to monitor illegal activities in forestry and hunting.	Forest Department, Saw millers, loggers, license holders, Forest Industry Association, TIDE, PFB	✓		\$8,000
d. Invest in equipment, specimen storage and data storage at Forest Department.	Forest Department, Saw millers, loggers, license holders, Forest Industry Association, PFB	✓	✓	\$10,000/yr
e. Conduct training workshops on basic identification skills so that resources managers are able to use identification guides and correctly identify species of conservation value.	WCS-GJBS, Forest and Fisheries Departments, Belize Zoo, National Herbarium, PFB, BAS.	✓	✓	\$40,000/yr

4.3.6. Objective: To increase the technical, extension and management capabilities of the Forest Department staff.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Assess and prioritize training requirements for the Forest Department staff.	Forest Department	✓		\$280,000
b. Identify and access funding to meet costs of training.	Forest Department	✓		\$10,000
c. Develop realistic budgets required to manage the Forest Reserves and Protected Areas.	Archaeology & Forest Departments, NGOs and CBOs	✓		\$700,000/yr
d. Establish post of Forest Ranger for the Corozal District.	Forest Department, AFFWCFR	✓		\$270,000
e. Increase royalties on forest products, timber and NTFP to better reflect the value of the resource.	Forest Department, NGOs and CBOs	✓		\$12,000

E. Agriculture

4.3.7. Objective: To improve the human resource capacity of the Pesticide Control Board and the Department of Agriculture to provide training to farmers on the requirements of the Pesticides Control Act.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct training workshops for Agricultural Extension Officers on the Pesticide Control Act.	Pesticides Control Board; Agriculture & Forest Departments, CGA	✓		\$10,000

b. Update Pesticide Training Manuals and information sheets on Pesticides Control Act for distribution to farmers.	Pesticides Control Board; Forest & Agriculture Departments	✓		\$10,000
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4.3.8. Objective: To strengthen Ministry of Agriculture and Fisheries, to extend technology and information to farmers and the general public on biodiversity-related issues in the Agriculture Sector.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct an assessment of the extension capabilities of Agriculture Department staff to farmers and identify their training needs.	Ministry of Agriculture, SOS and CGA	✓		\$20,000
b. Recruit additional personnel, implement training and purchase capital equipment to increase extension capabilities of the Agriculture Department.	Ministry of Agriculture, SOS and CGA	✓		\$5,000/yr

4.3.9. Objective: To strengthen supporting training organizations.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct an assessment of the training capabilities of supporting institutions.	NGOs and other supporting organizations, PfB, CGA	✓		\$20,000
b. Identify and access funding necessary to undertake strengthening programme.	NGOs and other supporting organizations, PfB, CGA	✓		\$10,000
c. Recruit additional personnel, implement training, purchase capital equipment for supporting institutions.	NGOs and other supporting organizations, PfB, CGA	✓		\$200,00/yr

d. Curriculum and textbook development on local sustainable cultivation of agro-forestry systems.	Agriculture Department, PFB, SOS and CGA	✓		\$40,000
e. Train 60 persons per year in efficient management of resources, sustainable agriculture and conservation, and the creation of demonstration sites in sustainable agricultural systems.	Agriculture Department, PFB, SOS, CGA	✓		\$127,800/3 yrs

4.3.10. Objective: To improve environmental monitoring.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct an assessment of monitoring capabilities at all relevant agencies.	Ministry of Agriculture, Growers Associations, Environment and Public Health Departments, Central Statistical Office, Board Pesticide Control	✓		\$25,000
b. Develop a plan for a coordinated approach to monitoring and testing of the environment.	Ministry of Agriculture, Growers Associations, Environment & Public Health Departments, Central Statistical Office, Pesticide Control Board	✓		\$20,000
c. Improve testing facilities to include training for staff and community level personnel to assist in monitoring and sample collection.	Ministry of Agriculture, Growers Associations, Environment & Public Health Department, Central Statistical Office, Pesticide Control Board	✓		\$500,000 & \$50,000/yr

F. Tourism

4.3.11. Objective: To strengthen the Ministry of Tourism.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Review the structure of the Ministry of Tourism and make recommendations to the Cabinet for its restructuring, including equipments and personnel, consistent with the importance of tourism to the economy of Belize.	Ministry of Tourism, Archaeology Department Belize Tourist Board, Ministries of Economic Development and Finance	✓		\$25,000

4.3.12. Objective: To strengthen Community Based Organizations involved in tourism sector activities to improve their sustainability.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct a series of workshops on the opportunities and potential problems in the Tourism Sector.	Ministry of Tourism & Archaeology Department	✓		\$60,000
b. Conduct a series of workshops on management, book-keeping, public relations, marketing and leadership training.	NGOs operating in the sector	✓		\$100,000
c. Establish mechanisms for financial support to CBOs.	NGOs operating in the sector	✓		\$50,000

G. Medicinal Plants

4.3.13. Objective: To strengthen institutions involved with the management of medicinal plants and improve their credibility.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct training courses for park wardens on relevant management Regulations.	Forest Department, Solicitor General	✓	✓	\$9,000/yr
b. Train community health workers, nurses and doctors on the use of plants as medicine.	THF & TH Associations, Ministry of Health, Medical and Dental Association, DBMK, Ixchel	✓	✓	\$18,000/yr
c. Organize and conduct ethnobotanical training courses for school teachers.	Principals & Teachers, Ethnobotanists, THF & TH Associations, Ministry of Education	✓	✓	\$36,000/yr
d. Train local researchers to conduct scientific research.	NGOs, International (Research) Institution, MNR & E	✓	✓	\$5,000/yr
e. Sensitize policy makers on the value of medicinal plants.	THF & TH Associations, NGOs, Ixchel, DBMK	✓		\$3,000/yr
f. Prepare and publish annual reports with audited financial statements for NGOs and other institutions involved with medicinal plants.	NGOs, ANDA, Government of Belize	✓	✓	\$8,000/yr
g. Develop a national laboratory to conduct initial screening on the effectiveness of plants as medicine.	National Biodiversity Office	✓	✓	Capital - \$300,000 Recurrent - \$82,000/yr

H. Legal and Policy Framework

4.3.14. Objective: To provide training in environmental law to all law enforcement officers and to the judiciary, including natural resource policies and the rationale for them.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Provide training on the Substantive Legislation relating to the Wildlife Protection Act, the National Parks Systems Act, Forest and Fisheries Act, etc.	Archaeology, Forest, Fisheries Departments	✓		\$20,000
b. Provide training on methods of arrest, evidence gathering and prosecution.	Police Training School, Forest and Archeology Departments	✓		\$5,000

4.3.15. Objective: To provide Training in Environmental and Natural Resource Laws to Non-Governmental Organizations and Community Based Organizations responsible for management of protected Areas.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Train CBOs, NGOs, and managers of Private Reserves on Substantive Legislation relating to natural resource management.	Forest Department, TIDE	✓		\$12,000

4.3.16. Objective: To develop an efficient permitting system to manage the removal of flora and fauna from Protected Areas.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Develop draft Permits and conduct public consultations for them to be discussed and approved.	Archaeology & Forest Departments	✓		\$18,000

4.3.17. Objective: To appoint park rangers as 'special constables' in marine and terrestrial Protected Areas which are co-managed by Non-Governmental Organizations or Community Groups.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Draft Legislation allowing 'special constables' to be appointed.	Forest Department and NGOs, SOLGEN	✓		\$2,000
b. Train the 'special constables' in areas such as Environmental Legislation, enforcement techniques and prosecution of cases in court.	Forest & Fisheries Departments, SOLGEN, TIDE, NGOs	✓		\$8,000

4.3.18. Objective: To strengthen the human and institutional capacity of the Ministry of Natural Resources & the Environment, Archaeology Department and the Ministry of Agriculture, Fisheries and Cooperatives to increase their enforcement capabilities.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Provide the Fisheries Department, and the Conservation Division with such equipment and vehicles as necessary to do monitoring.	Fisheries & Forest Departments	✓		\$175,000
b. Increase the number of personnel engaged in the monitoring and enforcement of legislation pertaining to Protected Areas.	Forest Department	✓		\$180,000

4.4. RESEARCH, MONITORING AND SUSTAINABLE USE OF BIODIVERSITY (Article 7, Article 10, Article 12, Article 14)

A. Environmental and Land Use Planning

4.4.1. Objective: To develop environmental and land use plans to promote the sustainable use and protection of biological resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Develop, adopt and implement sub-regional land use plans (e.g. SDAs) for areas outside Protected Areas.	CHPA, Archaeology & Housing Departments, Physical Planning Unit – MNR&E, CZMP/A, TIDE, Ministry of Agriculture and Producer Associations	✓		\$146,000/site

B. Information and Geographical Information System(GIS)

4.4.2. Objective: To identify, monitor and reduce threats to important biological resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Using GIS and other techniques, assess, identify and prioritize important components of biodiversity to be monitored, with particular focus on ecosystems, critical habitat, threatened species and biological processes.	LIC/CEDS, NGOs, TIDE	✓		\$82,000
b. Using GIS, sampling and other techniques, develop, and implement a National Biodiversity Monitoring Program (NBMP) to monitor threats to important components of biodiversity.	LIC/CEDS, NGOs, TIDE	✓		\$63,000
c. Investigate and explore monitoring strategies that involve local communities.	LIC/CEDS, NBO, NGOs CBOs	✓		\$58,000
d. Develop a Biodiversity Response Team (BRT) to address those activities threatening bio diversity as identified by the monitoring program.	LIC/CEDS, NBO, TIDE	✓		N/A
e. The National Biodiversity Monitoring Program(NBMP) should participate in regional biodiversity monitoring efforts of Selva Maya and use standardized monitoring techniques agreed upon regionally.	NBO, WCS-GJBS, Belize Zoo, BAS, PFB	✓	✓	\$30,000/ yr

C. Fisheries, Marine and Coastal Resources

4.4.3. Objective: To conduct research that will provide the information necessary to obtain the sustainable development of coastal and marine biodiversity and to avoid arbitrary exploitation.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	>5 years	
a. Explore the biological, legal and socio-economic circumstances of applying the 'limited access' and 'total allowable catch' concepts to the conch and lobster fisheries, as necessary management measures.	Fisheries Department and the Fisheries Advisory Board, TIDE	✓		\$273,000 (BZD)
b. Explore the biological, legal and socio-economic circumstances of closing the Nassau grouper fishery for a period not less than three years, while research is carried out to better understand how the reproduction of the species are conducted.	Fisheries Department and the Fisheries Advisory Board, TIDE	✓		\$254,000
c. Explore the ecological, legal and socio-economic circumstances of (1) substantially reducing fishing effort by the shrimp trawlers fishery, (2) total closure of the marine aquarium fishery.	Fisheries Department and the Fisheries Advisory Board, TIDE	✓		\$32,000
d. Investigate the biology and market potential of inshore non-traditional fish species to determine the possibilities of diversification from the traditionally fished species.	Fisheries Department, NGOs, CBOs, TIDE	✓	✓	\$95,000/yr
e. Conduct joint exploratory fisheries research in Belize's Exclusive Economic Zone with countries such as Cuba and Mexico, to determine the feasibility of deep-sea fishing as a major avenue for diversification, providing protection for shallow inshore habitats.	Fisheries Department, NGOs, CBOs, TIDE	✓	✓	\$200,000/yr
f. Identify and access information on selective methods of Tilapia harvest used in other parts of the world & promote the its selective exploitation in the rivers and lagoons of Belize as a measure to minimize its population growth with the objective of determining suitability of such methods for Belize.	Fisheries Department, PFB NGOs, CBOs, TIDE	✓	✓	\$24,960
g. Conduct a comprehensive analysis of the freshwater fishery with focus on gears, fishing effort, species, socio-economic structure and trends.	Fisheries Department, PFB NGOs, CBOs, TIDE	✓		\$96,000

h. Conduct a detailed research on the reproduction of the hicatee, with the objective of reviewing the existing closed season.	Fisheries Department, NGOs, CBOs, TIDE	✓		\$102,000
i. Investigate the feasibility of a mangrove replenishment program in seriously altered habitats.	Forest Department, NGOs, CBOs, TIDE	✓	✓	\$70,000/yr
j. Research spawning aggregations of all species that might merit protective status.	Fisheries Department, NGO, CBOs, TIDE	✓	✓	\$85,000/yr

4.4.4. Objective: To formulate and implement a system of incentives for ecologically sound developments in coastal areas.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Explore the feasibility of providing tax reduction or exemption for ecologically sound investments.	Fisheries Department, CZMP/A, BFCA	✓		\$3,000
b. Identify and access information on successful systems of incentives used in other countries in the region.	Fisheries Department, CZMP/A, NBO, & BFCA	✓		\$16,000

4.4.5. Objective: To promote sustainable exploitation such as 'catch and release' sport fishing.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Explore the biological, legal and socio-economic circumstances of restricting the exploitation of species such as snook, tarpon, permit and marlins, to 'catch and release' sport fishing.	Fisheries Department, TIDE, PFB	✓		(BZD) \$75,000

D. Forest and Wildlife Management

4.4.6. Objective: To document forest and wildlife resources, including population and habitat distribution.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Identify human and institutional resources necessary to undertake these activities.	Forest Department, PFB	✓	✓	\$70,000/yr
b. Forest Department to establish working relationships with institutions such as UCB, to jointly conduct research.	Forest Department, UCB, BCA, BACONGO, ANDA, Wild Tracks, TIDE	✓	✓	\$50,000/yr
c. Forest Department (FD) to issue permits for all research activities and establish a reporting protocol, to ensure access to the findings of the research, including the establishment of "bonds" to be deposited by researchers at the FD.	Forest Department, NHM-Las Cuevas	✓	✓	\$1,000/yr
d. Identify and document plants in littoral forests and other under-represented habitats.	Forest Department, NGOs, Wild Tracks and SOS, CZMP/A	✓		\$20,000