

4.4.7. Objective: To carry out research focused at the conservation of birds in Belize.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Pursue bird conservation studies/programmes with focus on habitat requirements and distribution, diversity, endangered and endemic species, the identification of migration paths, population trends, and assessment of damages caused by birds to agriculture and aqua-culture.	BAS, Pf B, WCS, Belize Zoo & TEC, BWB and TIDE, CREI/GCA	✓		\$1,820,000

4.4.8. Objective: To identify the research needs for sustainable forest and wildlife management.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Convene a stakeholders' workshop to identify research needs for sustainable forest and wildlife management.	Forest Department, AFFWCFR, SOS, TIDE, PFB	✓		\$7,000
b. Utilize the results of the 'needs identification workshop' to assist in the establishment of research priorities.	Forest Department, AFFWCFR, Wild Tracks, TIDE, PFB	✓	✓	\$2,000/yr

4.4.9. Objective: To develop and implement management plans for Forest Reserves, National Lands and Protected Areas based on ecologically sustainable forest management practices.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Identify and access funding for the development of a National Forest Inventory and for the preparation of management plans for all Forest Reserves and Protected Areas.	Forest Department Relevant NGOs, TIDE	✓		\$600,000
b. Develop a Reforestation Policy.	Forest Department	✓		\$12,000
c. Identify and access funding for reforestation projects in the Corozal District and other areas including river banks and upland areas.	Forest Department NGOs, Wild Tracks	✓		\$200,000/yr
d. Investigate Agro-reforestation applicability and System of Sustainability (SOS).	Forest Department, PFB and SOS	✓		\$10,000

4.4.10. Objective: To implement the New Forest Licensing System proposed by the Forest Planning and Management Project.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Forest Department to ensure that proper procedures are followed in issuing timber licenses, especially on private lands.	Forest Department, Forest License Holder, AFFWCFR	✓		\$1,000/yr
b. Establish a Forest License Monitoring System that includes the participation of NGOs.	Forest Department, Relevant NGOs, AFFWCFR, TIDE	✓		\$2,000/yr
c. Update and improve the database on Forest Licenses.	Forest Department	✓		\$10,000

4.4.11. Objective: To strengthen the monitoring of forest management activities in the Mountain Pine Ridge Forest Reserve.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Forest Department to increase its personnel and consider the reallocation of staff and resources, to better ensure compliance with the management plan and other licenses within the Mountain Pine Ridge Forest Reserve.	Forest Department	✓	✓	\$50,000

4.4.12. Objective: To ensure that short term forest licenses are not reissued, but kept to amalgamate areas into sustainable forest management units.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Forest Department to stop the fragmentation of forest license areas.	Forest Department, AFFWCFR	✓		\$1,000
b. Forest Department to advise current license holders of this situation.	Forest Department, AFFWCFR	✓		\$7,000

4.4.13. Objective: To restructure the forest industry to work within the Annual Allowable Cut (AAC), to include more added value, use more of secondary timber species, and to recognize the cost of establishment of Forest Plantations as an integral part of the overall exploitation cost.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Reduce the number of sawmills from the present 45 to a number consistent with reduced logging.	Forest Department, Saw millers, AFFWCFR	✓	✓	\$7,000
b. Forest Department to license sawmills as a requirement for legal operation, with preference for those using band mills, with value-adding facilities, and those which take environmental concerns into account.	Forest Department, Saw millers, Forest Industry Association	✓	✓	\$7,000
c. Require the conversion of Mahogany logs by use of band mills only, except where chain saw permit is justified.	Forest Department, Saw millers	✓	✓	\$7,000
d. Gradually reduce the exportation of Mahogany and promote its use for value-added products such as furniture and plywood.	Forest Department, PFB, Saw millers, Exporters of Lumber	✓	✓	\$7,000
e. Encourage the use of other secondary hardwood species by providing incentives such as reduced royalties on the species being promoted.	Saw millers	✓	✓	\$7,000
f. Sensitize the local market to understand that customary long lengths and widths of timber are not available in the traditional species, and that these must be substituted by smaller components.	Forest Department, Saw millers, PFB	✓		\$6,000/yr
g. The Timber Industry to realize that traditional logging has to give way to sustainable logging, including more care to avoid damage to remaining trees or face restrictions, fines or both.	Forest Department, Loggers, Saw millers, PFB	✓		\$6,000
h. Reduce illegal logging activities to the minimum possible by intensifying monitoring activities.	Forest Department, Loggers, AFFWCFR	✓		\$10,000/yr
i. Determine the economic feasibility of exporting lumber derived from zericote, mahogany and rosewood, etc. as compared to value-added products from these same woods.	Forest Department, Exporters of Lumber	✓		\$12,000

4.4.14. Objective: To identify and monitor the use of non-timber forest products.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
<p>a. Forest Department to continue the work started by FPMP in quantifying the value of the non-timber resource:</p> <p>i. Orchids, bromeliads, Xate palms, and other ornamentals.</p> <p>ii. Thatch, poles, lobster trap material (palmetto), basket tie-tie and bayal.</p> <p>iii. Edibles from the wild – mamey, sapodilla, cocoplum, coconoboy,, sakpa, suppa, cherry, cabbage palm, chib and sea grapes.</p>	Forest Department, Plant Collectors, AFFWCFR, NGOs, Relevant Communities, TIDE SOS.	✓	✓	\$12,000 \$12,000 \$12,000
b. Involve NGOs in monitoring the use of NTFP.	Forest Department, BAS, PFB, AFFWCFR, Wildtracks and SOS		✓	\$8,000
c. Conduct training workshops for collectors and community at large, on the value and sustainable use of NTFP.	Forest Department and SOS	✓	✓	\$7,000

4.4.15. Objective: To create mechanisms to ensure that a portion of investment directed at natural resource exploitation, be used for the conservation of, use or research on the resource.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Concessions for natural resource exploitation to include allocation of funds for the conservation of, use or research on the resource.	Forest Department	✓	✓	\$2,000 (BZD)

4.4.16. Objective: To ensure proper management of wildlife hunting activities.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Implement better control of wildlife hunting for domestic use.	Forest Department, AFFWCFR, TIDE	✓		\$150,000
b. Develop and implement a quota system for the exploitation of wildlife species for domestic consumption.	Forest Department, License Holders	✓	✓	\$10,000
c. Explore agreements with private landowners to access for hunting in areas adjacent to Protected Areas or 'buffer zones'.	Forest Department, Land Owners, AFFWCFR, TIDE	✓	✓	\$7,000

4.4.17. Objective: To seek expert advise with reference to ranching of crocodiles, deer, gibnut, peccary, and iguana, in an effort to replenish and reduce exploitation of wild stocks.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Request assistance from IUCN or FAO rearing methodologies.	Forest Department, AFFWCFR	✓		\$20,000
b. Make representations to CITES to allow for ranching and commercialization of these species.	Forest Department, AFFWCFR	✓		\$1,000
c. Explore the feasibility of developing joint-venture projects with institutions known to have experience in this area.	Forest Department, TIDE	✓		\$1,000
d. Develop pilot projects for the species mentioned above, involving local communities.	NGOs, AFFWCFR, Wildtracks, TIDE, Agriculture Department	✓		\$150,000
e. Conduct training workshops for local communities on the ranching of above species.	Forest Department, NGOs, Relevant communities, TIDE, Agriculture Department	✓		\$21,000

4.4.18. Objective: To conduct research and development of NTFP and develop niche markets for new products.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Identify domestic and export markets for individual species and products.	Belize Chamber of Commerce and Industry, Belize Marketing Board, NGOs operating in the sector, Commercial importers/exporters of plant products, PFB, CGA	✓		\$100,000
b. Conduct developmental research on species identified to be potentially marketable.	Ministry of Agriculture, Belize School of Agriculture, Forestry Department, CGA Commercial growers, NGOs operating in the sector, PFB	✓		\$100,000

E. Agriculture

4.4.19. Objective: To develop mechanisms to encourage basic and developmental research in the agricultural sector, including the impact of pests, and to address properly issues associated with the results of such research.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct a series of consultative meetings to develop suitable mechanisms and incentives for Private Sector involvement in basic and development research in the agricultural sector.	Ministry of Agriculture, Ministry of Economic Development, Growers /Producers Associations, NGOs in the agriculture sector	✓		\$18,000

b. Conduct research (1) to assess the impact of agriculture on biodiversity; (2) assess the importance of pests in agriculture; (3) to assess the impact of IPM and alternative control measures and (4) to assess the threat of introduction of pest species and bio-control agents.	Agriculture Department	✓		DA to develop
---	------------------------	---	--	---------------

4.4.20. Objective: To document small farmers knowledge of biodiversity.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct workshops on research techniques for small farmers.	University College of Belize, Agriculture & Forest Departments, SOS	✓		\$45,000
b. Formulate and implement project to research and document indigenous farmers knowledge.	Agriculture & Forest Departments, University College of Belize and SOS	✓		\$212,000
c. Collect information from traditional knowledge on useful (edible, medicinal, construction, etc.) plants.	Primary Schools country wide, Agriculture Department and SOS	✓		\$12,000
d. Prepare a 'Plant Use Table' with up to fifty characteristics for each plant to favor sustainable cultivation of timber and non-timber, domestic useful plants and other forest products.	Primary Schools country wide, Agriculture Department and SOS	✓		\$30,000

F. Tourism

4.4.21. Objective: To develop and implement marketing of tourism emphasizing Belize's biodiversity.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Prepare and distribute (nationally, regionally, and internationally) small brochures targeting specific groups, e.g. Bird-watchers, culture, reef, etc.	Belize Tourist Board, Tour Operators, BTIA, BAS, Department of Archeology, Dive Operators	✓		\$100,000

G. Medicinal Plants

4.4.22. Objective: To promote the sustainable harvesting of medicinal plants from the wild.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Restrict the harvesting and monitor its effects on threatened medicinal plants from the wild.	Forest Department, Management of Protected Areas	✓	✓	\$84,000/yr
b. Establish guidelines for the harvesting of medicinal plants.	THF & TH Associations, Forest Department, NGOs, International Research Institutions	✓	✓	\$5,000
c. Improve the techniques for harvesting and storage.	THF & TH Associations, Forest Department, NGOs, International Research Institutions	✓	✓	\$3,750

4.4.23. Objective: To promote the cultivation of medicinal plants in an effort to reduce the exploitation of wild stocks.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Establish and develop nurseries where medicinal plants can be propagated for distribution and sale.	THF, TH Associations, Ixchel, Belize College of Agriculture, Vocational Institutions, Forest Department, Management of Protected Areas	✓	✓	Capital - \$15,000 Recurrent -\$33,000/yr
b. Provide technical and other assistance to farmers who are interested in the cultivation of medicinal plants.	Ministry of Agriculture, Pharmaceutical (e.g. Shaman) and Cosmetic Companies (e.g. ARUM), AGAPE, Rainforest Remedies, Rainforest Rescue	✓	✓	Capital - \$30,000 Recurrent -\$20,000/yr
c. Provide incentives (such as access to land, financing and tax exemptions) to farmers who cultivate medicinal plants.	Ministry of Natural Resources and the Environment, Ministry of Finance, Pharmaceutical and Cosmetic Companies, NGOs	✓	✓	\$6,000/yr

4.4.24. Objective: To promote research on the conservation and use of medicinal plants.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Identify medicinal plants which are threatened in the wild.	THF & TH Associations, Ixchel, DBMK, Forest Department, National Biodiversity Office, SOS, Management of Protected Areas, NGOs and International Research Institutions	✓	✓	N/A
b. Conduct a survey of the plant species used for medicinal purposes in Belize and determine the presence in Belize, of those used in other countries.	THF & TH Associations, Ixchel, DBMK, Forest Department, National Biodiversity Office, Pharmaceutical Companies, NGOs, International Research Institutions and SOS	✓	✓	\$30,000
c. Conduct research on the ecology, propagation, cultivation and sustainable harvesting of medicinal plants.	Ministry of Agriculture, BCA, Forest Department, Ixchel, NGOs, NBO, International Research Institutions	✓	✓	\$84,000
d. Continue to identify the active ingredients of plants with medicinal value.	NBO, international Research Institutions (notably the NYBG and National Cancer Institute), Pharmaceutical Companies	✓	✓	\$200,000

4.4.25. Objective: To provide incentives for the Private Sector to get involved in the management of medicinal plants.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Offer tax and income tax holidays to companies (with preference to local companies and joint-ventures) that invest in the management of medicinal plants.	Ministries of Economic Development and Finance, MNRE	✓	✓	\$2,000
b. Develop and implement a mechanism to ensure that a portion of funds allocated for the exploitation of medicinal plants to be used for conservation of the resource.	Ministries of Economic Development and Finance, MNRE	✓	✓	\$7,500

4.4.26. Objective: To modernize the medicinal plant sub-sector.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Develop and monitor quality standards for medicinal plants and their products.	THF & TH Associations, Bureau of Standards, Ministry of Health, Forest Department	✓	✓	Capital - \$7,500 Recurrent - \$14,000
b. Encourage local production and sale of dried products, extracts, tinctures, pills and other advanced and modified forms of useful plant compounds.	THF & TH Associations, Pharmaceutical Companies, NGOs, International Institutions	✓	✓	\$2,500
c. Integrate the use of medicinal plants into the national health care system.	Ministry of Health, THF & TH Associations, DBMK, Ixchel		✓	\$40,000

4.5. COMMUNITY PARTICIPATION (Article 10)

A. Environmental Planning Sector

4.5.1. Objective: To increase the role of communities in the development, implementation and compliance monitoring of plans.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	>5 years	
a. Research, identify and develop models for cooperative plan implementation and compliance monitoring at the local level.	CHPA, Housing Department, Physical Planning Unit – MNR&E, CZMP/A, NGOs, CBOs, TIDE	✓		\$148,000 (BZD)
b. Implement pilot project to determine the feasibility and potential for adoption, of models identified for cooperative plan implementation and compliance monitoring at the local level.	CHPA, Housing Department, Physical Planning Unit – MNR&E, CZMP/A, NGOs, CBOs, TIDE	✓		\$20,000
c. Define and adopt creative, inexpensive approaches for increasing and improving local involvement in land-use planning and E/IAs.	DOE	✓	✓	\$20,000
d. Develop and adopt mechanisms for effective and efficient participation of local communities in enforcement activities, such as empowering local planning committees to issue 'Stop Orders' until the relevant Government authority addresses the problem; establishment of a Village Planning Committee for each Village Council.	CHPA, Housing Department, Physical Planning Unit – MNR&E, CZMP/A, NGOs, CBOs, TIDE, Ministry of Local Government	✓	✓	\$44,000

4.5.2. Objective: To increase public awareness and capacity to absorb their role in the development, implementation and compliance monitoring of plans for the management of biological resources.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	>5 years	
a. Continuously conduct workshops and seminars in community leadership, self-organization and mobilization for Village Council Chairmen and community leaders, in an effort to better prepare them to participate in the decision-making processes occurring within their communities.	MNR&E, UCB, TIDE	✓	✓	\$41,800 for 1 st training, \$17,800 for subsequent
b. Develop and distribute adequate and appropriate information to local communities regarding Protected Areas, SDAs, Planning Schemes Development Guidelines, Management Plans, etc., in an effort to facilitate their role in the planning and management of their resources.	MNR&E, TIDE	✓		\$131,000/site
c. Establish a Voluntary Network of Resource Persons with wide cross-sectorial and multi-disciplinary representation, to assist in preparing local communities to better perform their role as managers of the biological resources on which they depend.	MNR&E, TIDE	✓		\$10,000/workshop per site

B. Fisheries, Coastal and Marine Resources

4.5.3. Objective: To develop workable mechanisms so as to maximize public consultation and community participation in coastal and marine biodiversity management.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	>5 years	
a. Conduct workshops and all other consultations necessary to determine the feasibility and practicality of establishing 'Community Clearing House Mechanisms' at the local level, for the appraisal of permits related to coastal developments.	NBO, TIDE	✓		\$24,000

b. Develop a system to encourage voluntary compliance and which provides incentives for community participation in biodiversity management.	NBO, TIDE	✓	✓	\$24,000
c. Develop mechanism to encourage and promote community co-management of Marine Protected Areas.	NBO, TIDE	✓	✓	\$44,000

C. Forest and Wildlife Management

4.5.4. Objective: To build on existing co-management initiatives of Protected Areas and Forest Reserves.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct workshop for local communities to introduce the concept of community co-management.	Forest Department, ESTAP, BAS, AFFWCFR, Wildtracks, TIDE	✓		\$12,000
b. Identify the communities near Protected Areas with the view of including them in the Manage Plan for such areas.	Archaeology & Forest Departments, ESTAP, BAS, AFFWCFR, Wildtracks, TIDE	✓		\$12,000

4.5.5. Objective: To maximize community involvement in the formulation of policies and laws, in the appraisal of forest licenses and in the establishment of Protected Areas.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Forest Department to consult with Village Council or other representative body of community to be affected, before timber licenses and logging concessions are granted.	Forest Department, AFFWCFR, TIDE	✓	✓	\$2,000
b. Designate commercial area of forest around villages for exclusive use by villagers.	Forest Department, AFFWCFR, Alcalde Associations	✓	✓	\$30,000/yr

4.5.6. Objective: To form CBOs to assist in the detection of potential problems that arise from forest activities.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct workshop to encourage the formation of youth groups, that can assist in the monitoring of forest activities.	Forest Department, Relevant Communities, AFFWCFR, Wildtracks, TIDE	✓		\$7,000
b. Encourage the formation of non-political volunteer groups that can assist in the monitoring of forest activities.	Forest Department, Human Resources Department	✓		\$24,000
c. Empower local organization to assist in the enforcement of legislation.	Forest Department, SOLGEN	✓		\$24,000

4.5.7. Objective: To implement community-based projects and monitoring programmes in forestry and wildlife.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Conduct a series of consultations with communities in the district to identify potential projects for implementation.	Forest Department, Wild- tracks, Local Institutions AFFWCFR, TIDE	✓		\$24,000 (BZD)
b. Develop and implement projects identified in (a).	Forest Department	✓		\$300,000

D. Medicinal Plants

4.5.8. Objective: To institutionalize the involvement of traditional healers, community groups and the Private Sector in the management and use of medicinal plants.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Conduct public consultations with traditional healers and the general public on issues affecting medicinal plants.	MNR&E, NBO, Ixchel, DBMK, BEST & other NGOs, THF & TH Associations	✓	✓	\$10,000
b. Establish clear mechanisms for conducting public consultations to ensure effective participation.	MNR&E, NBO, Ixchel, DBMK, BEST & other NGOs, THF & TH Associations	✓	✓	\$3,750
c. Include representatives of indigenous groups and traditional healers associations in bioprospecting negotiations and in the elaboration of pertinent agreements.	MNR&E, NBO, Ixchel, DBMK, BEST & other NGOs, THF & TH Associations	✓	✓	N/A
d. Finalize the co-management plan with BEST to decentralize the management of Terranova Forest Reserve.	Forest Department, THF, BEST	✓	✓	\$1000

4.5.9. Objectives: To develop a legislative and institutional framework for the involvement of communities and NGOs in the management of Protected Areas and national lands.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Draft guidelines for co-management regimes.	Archaeology & Forest Departments, Private Reserves, SOLGEN, TIDE, ESTAP	✓		\$26,000
b. Conduct consultations with stakeholders and community at large to discuss draft guidelines.	Archaeology & Forest Departments, Private Reserves, SOLGEN, TIDE, ESTAP	✓		\$36,000

4.6. EDUCATION AND PUBLIC AWARENESS (Article 13)

A. Environmental and Land Use Planning

4.6.1. Objective: To increase appreciation for the value of planning and biodiversity conservation to the quality of life to all sectors of society.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct workshops to educate resource users and all sectors of society, including local communities, on the laws, regulations and procedures relating to the planning and management of biological resources.	Archaeology, Fisheries, Forest Departments, NGOs, DOE, NBO, ESTAP, PFB	✓		\$50,000/district

B. Fisheries, Coastal and Marine Resources

4.6.2. Objective: To increase public awareness and knowledge of society at large on the value, conservation, and sustainable use of coastal and marine biodiversity.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct radio, television and printed media spots that highlight the importance of terrestrial, coastal and marine biodiversity and the need to conserve it.	Fisheries & Forest Departments, CZMPIA, NGOs and CBOs, TIDE, ESTAP	✓		\$375,000/yr
b. Educate the general public on natural resource laws and policies and the rationale for them.	NBO, Fisheries & Forest Departments, CZMPIA, NGOs and CBOs, TIDE, ESTAP	✓		\$375,000

4.6.3. Objective: To strengthen the capacity of educators at all levels to teach biodiversity conservation.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct training programs on the conservation of terrestrial, coastal and marine biodiversity for teachers at all educational levels.	Ministry of Education, UCB, BACONGO, Fisheries Department, CZMPIA, BEST, Help for Progress, Ixchel, WCS, Wildtracks, THF and SOS, PFB	✓	✓	\$225,000/yr

C. Agriculture

4.6.4. Objective: To educate consumers on the benefits of organically produced foods and the link between organic agriculture and biodiversity conservation.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Prepare a series of articles on the link between organically produced food and biodiversity conservation to be published in weekly newspapers.	Ministry of Agriculture, NBO, SOS, Department of Public Health, PFB, CGA			\$24,000
b. Contact major wholesalers, retailers, hotels and other major consumers of vegetables to develop a marketing strategy for organically produced foods.	Ministry of Agriculture and NGOs, CGA, Agricultural Cooperatives			\$11,000

4.6.5. Objective: To educate farmers in environmentally friendly farming techniques.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Prepare and make accessible up-to-date information materials in video and pamphlet form.	Ministry of Agriculture and NGOs, SOS, BEST, CGA	✓		\$49,200
b. Identify farmers to act as 'demonstration farmers' for the promotion of environmentally friendly farming techniques.	NGOs, Growers Association, SOS, BEST, PFB, CGA	✓		\$10,000
c. Conduct a weekly radio programme in English, Spanish, Maya, Kekchi, Garinagu and German (Mennonites) to be broadcast at suitable times, based on general information and workshop materials.	Ministry of Agriculture, CGA	✓		\$50,000/yr

<p>d. Conduct a series of workshops country-wide on Integrated Pest Control Management, Agro-Forestry Technique, Organic Farming Techniques, Multi-cropping and Inter-cropping, and Appropriate Use of Soils, Slopes and Land.</p> <p>i. Integrated Pest Control Management - the use of biological control methods supported by chemical control methods in control of pests and diseases; the use of physical methods of weed control supported by minimal chemical control methods. Target: small farmers and Mennonites - 24 workshops</p> <p>ii. Agro-forestry Techniques - the use of agro-forestry techniques in food production, pest and disease control, organic green manures, fodder production, firewood production and soil rehabilitation. Target: Small Farmers, Mennonites, Small and medium scale livestock producers 18 workshops</p> <p>iii. Organic Farming Techniques - the use of organic farming methods in crop production - minimum chemical weed, pest or disease control, minimum inorganic fertilizers; the use of legumes in soil rehabilitation and in inter-cropping for nitrogen fixing for producing crop.</p> <p>iv. Multi-cropping and inter-cropping - the benefits and use of these techniques to improve productivity. Target: Small farmers, Mennonites 12 workshops</p> <p>v. Appropriate use of soil types /slopes / land - leaving small unproductive areas in natural vegetation rather than clearing as part of a larger area (swamp areas, kaliche hills etc), minimum cultivation techniques, soil erosion control, terracing, and soil regeneration techniques Target: Mennonites and Small Farmers Farmers in general - 30 workshops</p>	<p>Ministry of Agriculture, NGOs, Agro Research Organizations, Belize School of Agriculture, Pesticide Control Board, SOS, PFB, CGA.</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		<p>\$180,000</p> <p>\$135,000</p> <p>\$90,000</p> <p>\$90,000</p> <p>\$225,000</p>
---	--	--	--	--

4.6.6. Objective: To educate farmers in the techniques and opportunities for propagating and cultivating Non-Timber Forest Products (NTFP).

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Conduct a series of workshops for potential farmers in communities adjacent to Protected Areas.	Ministry of Agriculture, PFB NGOs operating in the sector and Forest Department, SOS	✓		\$90,000

4.6.7. Objective: To increase the emphasis in school curricula on agriculture, its importance to the economy of Belize, its impact on the environment and the opportunities for employment in the sector.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget (BZD)
		1-5 years	> 5 years	
a. Revise school curricula and include the preparation of suitable materials as teachers guides.	Ministry of Education, UCB, Curriculum Development, Ministry of Agriculture, MNRE and Medicinal Plant/Healers Association	✓		\$50,000
b. Conduct a series of workshops for teachers to introduce the revised curricula.	Ministry of Education	✓		\$90,000
c. Revise curricula for Lynam and the Belize School of Agriculture to place more emphasis on conservation issues and environmentally friendly techniques.	Belize School of Agriculture and Lynam School	✓		\$25,000

D. Tourism

4.6.8. Objective: To educate civil society on the importance and relevance of biodiversity conservation to the tourism industry and the economy of Belize.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Publish and develop newspaper articles, radio and television programmes.	Ministry of Tourism and BTIA, NBO, PFB	✓		\$49,200 (BZD)
b. Produce pamphlets along with BTIA to inform tourism industry personnel and tourists of biodiversity conservation.	Ministry of Tourism and BTIA, NBO, PFB	✓		\$40,000

4.6.9. Objective: To promote marketing of tourism, emphasizing biodiversity.

Action/Activity	Proposed Responsible Agency	Time Frame		Approx. Budget
		1-5 years	> 5 years	
a. Prepare and distribute (nationally, regionally, and internationally) small brochures targeting specific groups, such as bird-watchers, campers and divers.	Belize Tourism Board, Tour Operators, BTIA, BAS, Department of Archeology, Dive Operators, PFB	✓		\$100,000 (BZD)