



NEPA PROJECTS INVENTORY





Updated 30 March 2013

NEPA's PROJECTS INVENTORY



The work of the Agency has been significantly enhanced through the continued support of **donor funding** such as that provided by the European Union (EU) Global Environment Facility (GEF), the Inter-American Development Bank (IDB) the United Nations Environment Programme (UNEP) and the United Nations Development Programme (UNDP). NEPA projectizes activities within its operations in a bid to enhance capacity building of the Agency and other affiliated Agencies and Ministries. The various projects have contributed significantly to the process of environmental protection, physical planning, enforcement, education and training.

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CURRENT PROJECTS					
	PROJECT NAME & PMU INFORMATION	PROJECT DURATION	PROJECT BUDGET	COMPONENTS/ACTIVITIES	Major Project Outputs
		June 2011 – January 2013	UNEP – US \$ 60,000	<p>2. Draft requirements for the transport, handling and storage of refrigerants</p> <p>3. Draft requirements for labeling standards for HCFCs and related equipment</p> <p>4. Train Customs and other Officers responsible for enforcement of trade in ODS</p> <p><u>Institutional Strengthening Project</u></p> <p>1. Report on Jamaica's progress on the country programme, for implementation of the Montreal Protocol for 2010, to the Multilateral Fund Secretariat by 01 May 2012</p> <p>2. Report consumption and production data of ozone depleting substances (ODS) for 2010 to the Ozone Secretariat (OS) by June 30</p> <p>3. Carry out special awareness raising activities on the ozone layer and related issues on International Ozone Day, 16 September 2012</p>	<p><u>Institutional Strengthening Project</u></p> <ul style="list-style-type: none"> Report progress on Jamaica's country Programme implementation to the Multi-lateral Fund Secretariat Report ozone depleting substances consumption and production data to the Ozone Secretariat Coordinate Public education activities to celebrate International Ozone Day
2	<p>MITIGATING THE THREATS OF INVASIVE ALIEN SPECIES IN THE INSULAR CARIBBEAN (REGIONAL PROJECT)</p> <div>   </div> <p>PROJECT COORDINATOR: NELSA ENGLISH NATIONAL IAS COORDINATOR</p> <p>PROJECT ASSISTANT FAITH WALKER</p>	1 st September 2009 -31 st of August 2013	GEF/CABI/UNEP US \$1,738,978	Increased national capacity to address potential risks posed to biodiversity of global significance from invasive alien species	



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				Increased regional cooperation to reduce risk posed to biodiversity of global significance from invasive alien species	<ul style="list-style-type: none"> No new activities
				Access to data and best practice established, and public awareness of IAS strengthened	<ul style="list-style-type: none"> Participated in planning meetings for Denbigh Agricultural Show on 27 and 30 July, and 03 August 2012. Attended and manned IAS Project display at the NEPA booth located at the Denbigh Agricultural and Industrial Show on 04-06 August 2012. The theme for the display was Climate Change, IAS and Agriculture. The project's games (work search, crosswords and maze) were included in the activities in NEPA's Kiddies Village at the Denbigh Show. A poster entitled "Climate Change and Invasive Alien Species Impacting Our Biodiversity" was created for use at Denbigh Agricultural Show and subsequent awareness initiatives. <p>Attended National Awards for BEST Community Competition on 23 August 2012. The project's educational material was included in NEPA's display.</p>
				Develop and implement Public Awareness Campaign for <u>Lionfish</u> Pilot	The National Lionfish Pilot mounted a display in the St. Ann Parish Pavilion at the Denbigh Agricultural and Industrial Show 04-06 August 2012. Display included posters, brochures and Lionfish tasting.
				Develop and implement Public Awareness Campaign for Hellshire Hills/ <u>Iguana</u> Pilot	<ul style="list-style-type: none">
				Develop and implement Public Awareness Campaign for Black River Pilot	<ul style="list-style-type: none"> Participated in Summer Camp in partnership with the SDC in the community of Pondside in Black River. The camp was attended by 48 children ages 2-16 years. The Project sponsored Biodiversity Day on 22 August 2012. Activities for the day included: <ul style="list-style-type: none"> Interactive presentations on biodiversity and the impact of invasives especially those

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					<p>in the Black River Area.</p> <ul style="list-style-type: none"> – Games about IAS (crossword, wordsearch, and maze)
				<p>5. Increase prevention of new IAS introductions impacting global biodiversity</p> <p>5. 1 Early detection and rapid response to IAS</p> <p>5.2 Eradication of terrestrial IAS populations (Iguana Pilot)</p> <p>5.3 Control and management of marine IAS (Lionfish Pilot)</p>	<p>No activity being undertaken in Jamaica in this component</p> <p>Island wide Distribution- mapping distribution of Lionfish in Jamaica</p> <ul style="list-style-type: none"> • 9 in water surveys conducted at Discovery Bay (3 sub-sites), • Lionfish collections conducted in Whitehouse. St. Elizabeth with Sandals team. • 84 datasets inputted to the Lionfish database. Information captured includes location caught, length and weight • Total datasets within the database now stands at 1,151. <p>Prey Preference- documenting predation pressure of the Lionfish on other marine species based on dissection of stomach contents.</p> <ul style="list-style-type: none"> • 84 specimens were collected and analyzed. • Totals number of specimens analyzed now stands at 1,151. <p>Passive Trapping Mechanism- development of traps using indigenous material to capture Lionfish</p> <ul style="list-style-type: none"> • All pots have been built. • All bait types have been procured. • A Stainless Steel table <p>Testing for Ciguatera Toxins</p>

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				5.4 Protection measures for site of high conservation (Black River Pilot)	<ul style="list-style-type: none"> 30 samples collected on the north (Discovery Bay) and South (Whitehouse) coasts. Lionfish samples transported to Miami on 01 August 2012 to be tested for ciguatera toxins at the University of North Carolina through the NOAA Lionfish Research Centre.
				5. Increased eradication, and improved control and management, of IAS impacting global biodiversity	<ul style="list-style-type: none">
				6. Effective project management and coordination; monitoring and evaluation (M&E)	<ul style="list-style-type: none"> Monthly technical/financial report for August 2012 submitted to NEPA and CABI. Facilitation of procurement of materials/equipment for pilot projects Completed and submitted updates work plan and budget to CABI on 10 August 2012. Advertised and received applications for the post of Project Assistant.
4	Adaptation to Climate Change & Disaster Risk Reduction   Implementing Partners: PIOJ UNEP NEPA Forestry Department MET Service Project Coordinator – Nichelle Oxford	2010 - 2013 (30 Months)	EU €4.13M	<p>The project's objective is to assist with the adaptation to climate change and to contribute to the sustainable development of Jamaica by increasing the resilience of vulnerable areas and reducing the risks that are associated with natural hazards, particularly in vulnerable communities. NEPA's component specifically aims to increase resilience of coastal ecosystems to climate change impacts through the following activities:</p> <p>1. Design and Implement Ecosystems Database</p>	<p>Mona Informatix requested a meeting to discuss the comments raised in response to the first deliverable (Specifications Document) that was submitted. The members of the GIS Panel concurred that the comments were suitably addressed and further</p>

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					discussions were had in relation to the remaining deliverables. The first deliverable was approved and relevant documents sent to Accounts Branch to process payment
				2. 30 Data loggers monitoring temperature installed within three Marine Protected Areas [KPI 2011/2012]	<ul style="list-style-type: none"> 30 additional data loggers were received by the Agency on August 23rd 2nd Data Logger Rotation for Portland Bight was scheduled for the 26th and 27th of July 2012 however this was aborted. Attempts were made in the month of August to reschedule the rotation, however due to previous commitments and inclement weather this rotation has not yet been possible. The 2nd rotation has therefore been completed for all the MPAs with the exception of Portland Bight. The 3rd data logger rotation was completed for Montego Bay while the 3rd rotation for Ocho Rios is scheduled for August 29-31 2012. This was completed with the input of Ecosystems Branch. A list of long term monitoring sites was provided and this was integrated into the existing deployment plan. Deployment of additional data loggers is scheduled for the period August 29th - 31st
				Re-establish/Enhance coastal protection measures in selected areas <ul style="list-style-type: none"> Complete restoration initiative in Portland Cottage covering 5.04 hectares Prepare mangrove restoration plan for Refuge Cay in collaboration with Partner Agencies and Organizations 	<ul style="list-style-type: none"> An additional 770 mangroves were planted in Portland Cottage utilizing Red Mangrove seedlings from the Port Royal Marine Lab of UWI. The total area restored to date is approximately 4.87 hectares which represents 96.6% of the restoration target. Draft TOR for the entity to be contracted to finalize design, installation and a maintenance plan for the exclusion device was prepared and disseminated amongst key resource personnel for comments. The finalized TOR was submitted to Procurement to initiate the procurement process.



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				<ul style="list-style-type: none"> Conduct Restoration Activities for Refuge Cay according to finalized restoration plan. <p><i>Installed Artificial Reefs in 3 MPAs displaying vulnerability to rising sea levels</i></p> <ul style="list-style-type: none"> Complete Procurement process for Wave Attenuation Devices (WADS) to be placed in Old Harbour Bay Complete Installation of WADS 	<ul style="list-style-type: none"> Pending proposals received and procurement process for engagement of Contractors/Consultants to carry out works. Awaiting response from the NCC regarding the approval for TEMN the local affiliate of Artificial Reefs Inc. (ARI) regarding WADS in the amount of \$170,000USD Pending approval from NCC to engage consultants.
				<p>Improved livelihoods through the issuing of grants to introduce alternative activities</p>	<ul style="list-style-type: none"> One proposal was received based on Advertisement placed in the Sunday Gleaner and Observer for the Position in July. This response was rejected however as the person did not have a TCC. Limited tender process was conducted again and 2 proposals were received at the end of the month. It is anticipated that the technical review process will be completed within the first 2 weeks of September. MOU agreements to establish alternative livelihood grant program have been signed with: <ul style="list-style-type: none"> C-CAM in amount of \$25,000 USD MBMP in amount of \$50,000 USD NCRPS in the amount of \$25,000 USD BBFFS in the amount of \$38,000 USD

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				1. Definition of a Management plan for Marine Protected Areas (MPAs) including delineated activity zones in 3 MPAs	<ul style="list-style-type: none"> Total moorings installed is 23 Buoys in 3 MPAs – Palisadoes/Port Royal Cays (10); Negril (8); Montego Bay (5)
5	Strengthening the Operational and Financial Sustainability of the National Protected Area System   Project Manager: Roxanne Valentine Project Administrator – Sharon Hearne Project Co-financiers include:- Global Environment Facility (GEF) The Nature Conservancy (TNC) United Nations Development Programme (UNDP) The German Development Bank (KfW) Government of Jamaica (GOJ)	2010-2016 (6 years)	US\$7,820,585	Outcome 1 - Strengthen the financial planning and revenue generation of Protected Areas	Trust Fund Expert engaged Recommendations made on the suitability of existing Trust Funds to house the proposed National Protected Area Trust Fund (NPATF). The Environmental Foundation of Jamaica was recommended to house and administer the NPATF. Local and International Business and Financing Experts engaged National Protected Area Business Planning Framework developed Business Plan developed for the Blue and John Crow Mountains National Park including a revenue generation mechanism Feasibility and marketing studies conducted for the Gourie, Manchester, Clydesdale and Cinchona Forest Reserves, St. Andrew.
				Outcome 2 - Rationalize and integrate the National System of Protected Areas (NSPA)	International Legal Experts engaged and inception visit conducted.
				Outcome 3 - Increasing the Effectiveness of Protected Area Management	Communications strategy for the National Protected Area System developed Methodology for a Knowledge Attitude and Practices Survey (KAP) developed KAP study implemented and report submitted





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					<p>Public Awareness materials developed to include powerpoint show on PAs, fact sheets, newsletter, project banner and posters</p> <p><u>Small Grants Initiative</u></p> <p>Strengthening the effectiveness of the management of the Hellshire Hills and Goat Islands through a dynamic and informed Public Awareness programme</p> <p>Public Awareness campaign designed and implemented by the Urban Development Corporation in the Hellshire Hills and Goat Islands that is a part of the Portland Bight Protected Area. Outputs of the campaign included conduct of a survey to determine awareness of protected areas, airing of activities in local media, 5 community consultation meetings conducted, development and distribution of brochures and information sheets, design and implementation of signs in 6 zones, development and distribution of a video.</p> <p>New Signs for Mason River Protected Area</p> <p>Installation of 32 information signs and labels in the Mason River PA</p> <p>Increasing the management effectiveness of the Blue and John Crow Mountains National Park, through increased on the ground activity and public education and awareness</p> <p>Implementation of public awareness campaign in the buffer zones of the Blue & John Crow Mountains National Park that included community meetings, and installation of 10 information signs.</p> <p>Improving Negril Marine Park's Management Effectiveness through Digital Media Communication</p>



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					<p>Implementation of a public awareness programme and management effectiveness activities in the Negril Marine Park. Activities included development of a newsletter, website (www.negrilepa.org or www.negrilepa.com), conversion of older DVCs to modern format – DVDs; purchasing of two dive tanks to increase monitoring and management effectiveness; selected historical transect sites identified and mapped with GPS; 4 transect activities done with the two species of algae identified that were not initially identified during historical transect activities .</p> <p>Re-installation of mooring buoys for use in the demarcation of dive and snorkel sites within the Negril Marine Park</p> <p>Nine mooring buoys re-installed at snorkel sites and Buoy Maintenance plan drafted</p>
	<p>Adaptation Fund Project – Enhancing the Resilience of the Agriculture Sector and Coastal Areas to Protect Livelihoods and Improve Food Security</p> <p>Project Executing Entities:</p> <p>National Environment and Planning Agency , National Works Agency, Ministry of Agriculture, and Fisheries, Ministry of Tourism</p>	January 2013-December 2015	US \$ 9,995,000	<p>Component 1: Increasing the climate resilience of the Negril Coastline</p> <p>Component 2: Enhancing the climate resilience of the agriculture sector by improving water and land management in select communities.</p>	<p>Installation of Breakwater Structures</p> <p>Establishment of small scale irrigation facilities ad production and productivity programmes using climate-smart agriculture.</p> <p>Implementation of 50 rainwater harvesting and 60 small scale drip irrigation systems in Trelawny, St. Mary, St. Catherine, St. Ann, St. Thomas and Clarendon.</p>



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				<p>Component 3: Improving institutional and local capacity for sustainable management of natural resources and in disaster risk reduction in the targeted vulnerable areas.</p>	<p>Establishment and rehabilitation of soil conservation and land husbandry infrastructure and application of suitable methodologies (eg. Demonstration plots)</p> <p>Training of local communities and entities in disaster risk reduction (DRR) and natural resources management</p> <p>Development of guidelines/technical standards for beach restoration and shoreline protection</p>



PAST PROJECTS				
GENERAL INFORMATION	COMPONENTS/ACTIVITIES		TASKS ACCOMPLISHED	
<p>INCORPORATING NATURAL RESOURCE EVALUATION TOOLS INTO ENVIRONMENTAL IMPACT ASSESSMENT PROCEDURES</p>   <p>PROJECT MANAGER: ROSEMARIE BRYAN</p>	<p>September 2008- September 2011</p> <p>Project Extended to December 2012.</p>	<p>UNDP – US \$552,250</p>	<p>Natural Resource valuation Tools Piloted into EIA</p> <p>Review of NRV Sourcebook and all technical project deliverables</p> <ul style="list-style-type: none"> EIA committee revise EIA guidelines <p>Implementation Plan for integrating NRVs/EIAs (Guidelines for undertaking and integrated EIA/NRV) completed</p> <p>2. Develop and implement pilot EIA project</p>	<ul style="list-style-type: none"> NRV Sourcebook completed Draft Guidelines/Implementation Plan for NRV Integration into the EIA process completed Consultations held with EIA stakeholders from the profession groups (surveyors, planners, architects) as well as EIA practitioners. Information obtained from these consultations to be used to guide discussions on NRV integration NRV being conducted on the JPS 360 MW Power Plant as the Pilot Project. The data obtained is non-binding and will not be used in the decision making process for the JPS development project.

PAST PROJECTS				
GENERAL INFORMATION	COMPONENTS/ACTIVITIES		TASKS ACCOMPLISHED	
			3. Training in the use and interpretation of Natural Resource Valuation	<ul style="list-style-type: none"> - Training Manuals Developed <ul style="list-style-type: none"> - Basic Natural Resource Valuation, - Advanced Natural Resource Valuation - Manual for Community Groups - Over 90 persons trained in Natural Resource Valuation <p>Sensitisation Handbook prepared and two sensitization sessions held with the NEPA Board and the EIA Committee</p> <ul style="list-style-type: none"> - Seminar Series in NRV held as part of MSC. Built Environment at the University of Technology - University of the West Indies delivered module in NRV as part of the Msc. Natural Resource Management - .Memorandum of Understanding signed with MIND and Training of Trainers Course as well as Advanced NRV course delivered over the period September to October 2012.

PAST PROJECTS				
GENERAL INFORMATION	COMPONENTS/ACTIVITIES		TASKS ACCOMPLISHED	
<p>Wetland Bird and Habitat Monitoring of 2 RAMSAR sites in Jamaica Implementing Agency:</p>   <p>NEPA -Ecosystem Management Branch</p>	March - November 2010	US\$ \$7, 584.58	<ul style="list-style-type: none"> To design, replace/improve and install signs in areas designated Wetlands of International Importance under the Ramsar Convention (Ramsar Sites). The signs will contain specifications recommended by the Ramsar Convention. Signs will reflect the natural and cultural heritage as well as archaeological aspects of Ramsar Sites. 	10 persons trained in monitoring techniques. The Portland Bight Cays and Wetlands and Palisadoes-Port Royal Ramsar Sites each surveyed once every 3 months and comprehensive species lists and species distribution maps created for each site surveyed. The possible threats to the wetland birds and their habitat are identified and recommendations for mitigation measures drafted. Protocols for a long-term monitoring programme created for each site surveyed. Neighbouring communities informed about the importance of wetlands and strategies that may be employed revenue through sustainable use of wetlands and their birds.
<p>UNEP-GEF Support for Carrying out 2010 Biodiversity Targets (Fourth National Report -4NR- to CBD)</p>   <p>Project Coordinator: Dr. Winston McCalla</p>	July - September 2010	UNEP/GEF US\$20,000.00	<p>The main objective of the project is to enable the GEF eligible CBD party Jamaica to assess progress towards the achievement of the 2010 Biodiversity Targets at the national level through a country-wide, stakeholder consultation process and to appropriately report and communicate on it through the fourth national report of the CBD and associated products.</p>	<p>Final Report to the CDB submitted by the project Coordinator and is now being vetted by the Environmental Management Division at the OPM</p> <p>After the document is finalized it will be uploaded on NEPA website for the public access.</p>

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GENERAL INFORMATION		COMPONENTS/ACTIVITIES		TASKS ACCOMPLISHED
<p>Economic Valuation of Protected Areas</p>   <p>Project Coordinator: Mr. Kapleton Hall</p>		<p>June 2008 to December 2010</p> <p>Project Extended to January 2011</p>	<p>GEF/UNDP US \$240,000</p>	<p>1. National-level assessment of contributions of selected categories of protected areas to the country's economy and culture as indicators of values of those categories/types of PA's</p> <p>2. The economic valuation of natural resources taken into account during annual budgets, work plans and national planning processes affecting PA's</p> <p>3. Appropriate methods, standards, criteria and indicators for evaluating the effectiveness of protected area management and governance are developed and adopted and related database established to collect data.</p> <ul style="list-style-type: none"> The Consultants have submitted their 1st Deliverable outlining the detailed workplan for the project. The position for National Coordinator was advertised internally within NEPA and applications received from two applicants <p>The Local Economic Expert has begun the literature review on NRV tools and techniques. This document will be collated and will be readily available as a set of accessible references (hard copy within NEPA and on the internet)</p> <ul style="list-style-type: none"> The draft economic report/comments received from key stakeholders; 7.1.2 of consultant's contract Received the final economic report, incorporating comments; 7.1.3 of consultant's contract. The Final report had some mistakes and is being amended. Payment to consultant on hold. Summary report of economic valuation of the three selected protected areas and valuation tool were delivered but are under review. The delivery of these documents signaled an end to outcome 1 of the EVPA which sought to accomplish a national level of assessment of the contribution of protected areas to the Jamaican economy, through the development of an economic valuation tool Valuation tool prepared under this project will be integrated into the EIA process under the NRV project Permission sought and granted by UNDP-New York through Ms. Jamieson Ervin to; Merge outcome2 and outcome 3 of the EVPA with output 2 of the NRV. They cover similar components and as such we would not want to be duplicating efforts. Some details are still being worked out. Funds derived from the savings made under outcome 1 and as a result of the merger, can be used to conduct an economic valuation of the Palisadoes-Port Royal Protected Area.

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GENERAL INFORMATION	COMPONENTS/ACTIVITIES		TASKS ACCOMPLISHED	
<p>Development of a Protected Areas Database for Jamaica</p>  <p>GIS/Database Consultant: Mr. Devon Gooden</p>	<p>March 2010- September 2010 Project Extended to December 2010</p>	<p>FUNDS: OAS \$10,000.00</p>	<ul style="list-style-type: none"> To develop a Protected Areas Data Management system for Jamaica. To improve the collection and management of Protected Areas data in a bid to collate the information that will feed into the preparation of parish Development Orders. To develop and implement a long term sustainable strategy to periodically update the World Database on Protected Areas (WDPA) The GIS/Data Management Specialist has been engaged and has commenced work to develop a Protected Areas database for Jamaica. The Specialist has met with the main stakeholders at NEPA, Fisheries and JNHT to collate relevant data sets. This information will assist him to complete the workplan for the project. A stakeholder meeting is to be convened on Thursday 28 October at 9:00am at the office of the EMD-OPM. 	
<p>Implementation of Information Signs at the Ramsar sites in Jamaica</p>  <p>Implementing Agency: NEPA - Ecosystems Management Branch</p>	<p>May 2010- September 2010</p>	<p>FUNDS: RAMSAR Secretariat US\$7,584.58</p>	<ul style="list-style-type: none"> To design, replace/improve and install signs in areas designated Wetlands of International Importance under the Ramsar Convention (Ramsar Sites). The signs will contain specifications recommended by the Ramsar Convention. Signs will reflect the natural and cultural heritage as well as archaeological aspects of Ramsar Sites 	

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<p>Renewable Wave Energy Technologies for the Generation of Electric Power to Small Coastal Communities in Jamaica <i>[PPG Phase]</i></p> <div>   </div> <p>Mr. David Barrett - Wave Energy and Sustainable Development Specialist</p>	<p>May 2010 - August 2010</p> <p>Project extended to December 2010</p>	<p>FUNDS: UNDP – US\$26,000.00</p>	<ul style="list-style-type: none"> The main objective of the project is to prepare a Project Information Form (PIF) and a Project Preparation Grant (PPG) proposal to prepare a medium sized project (MSP) for the introduction of renewable Wave Energy Technologies for the Generation of Electric Power in Small Coastal Communities in Jamaica. 	<ul style="list-style-type: none"> All outstanding payments regarding the recent community consultations have now been paid. The SDC has submitted the Community Consultation Report the findings of which were integrated into the Draft Project Document The training/workshop to key government and private partners will be held in December 2010.
<p>Terminal phase out management plan (TPMP) for CFCs- retrofit replacement programme</p> <p>Programme Manager: <i>Ms. Nicol Walker</i></p> <p>Support Staff: (Project Assistant) <i>Ms. Sejean Jones</i></p>	<p>June – Dec. 2009</p>	<p>UNDP- US\$85,000</p>	<p>E. Preparation of the HCFC Phase out Management Plan (HPMP)</p>	<p>The Project Document for the HPMP project was signed.</p> <ul style="list-style-type: none"> The Project was launched on the 8th of September, 2009. The National Consultant was contracted by NEPA The International Consultant and Senior Advisor were contracted by UNDP

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<p>INTEGRATED WATERSHED AND COASTAL AREA MANAGEMENT (IWCAM)</p> <p>FUNDED BY: UNEP-CAR/GOJ</p> <p>PROJECT MANAGER: <i>LISA KIRKLAND</i></p> <p>Administrative Assistant: <i>Carole Miles</i></p> <p>RESEARCH OFFICER:</p>	<p>October 2006 to October 2009</p>		<ol style="list-style-type: none"> 1. Capture of Best Lessons and Practices for formulation of a model Watershed Area Management Mechanism (WAMM) 2. Capture of pertinent information necessary for the formulation of a WAMM through participatory process 3. Development of a model Watershed Area Management Mechanism (WAMM) 4. Implementation of model WAMM in Eastern Portland Area 5. Implementation of programmes to remove barriers and resolve threats 6. Identification of transfer and replication mechanisms 	<ul style="list-style-type: none"> o Local CBO's capacity built to carry on with environmental monitoring, particularly of water quality o NSWMA has given their assurance to the communities to continue to work with the local CBOs to remove garbage as required from the skips installed by the project. o The WAMM that is developed from the project will be replicated by the Ecosystems, Public Education and Enforcement Branches in the other WMU's around the island o WRA has made commitment to maintain the stream flow equipment o MET Office has made commitment to continue monitoring weather station o NEPA's Projects Planning & Monitoring Branch, in preparing proposals will seek grants to assist in applying the WAMM to other WMUs. o The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will continue to monitor the outcomes of the project. o Final Project Payment received from UNOPS according to the MOU o Financial aspects of the project CLOSED. o Discussions on secondment opportunities to IWCAM participating countries continue with the IWCAM Regional PCU.

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<p>BIODIVERSITY ADD-ON PROJECT (ASSESSMENT OF CAPACITY BUILDING NEEDS, PREPARATION OF THE 3RD NATIONAL REPORT THE CLEARING HOUSE MECHANISM)</p> <p>IMPLEMENTING AGENCIES: NEPA AND THE IOJ</p>	<p>April 2009-January 2010</p> <p>Project extended until May 2010</p>	<p>FUNDS: UNDP – US \$218,620</p>	<ul style="list-style-type: none"> ▪ To complete the Third National Report to the CDB ▪ Reports on the institutional capacity and human resource needs of local institutions in regard to taxonomy, access to genetic resources and preservation of indigenous knowledge; and intellectual property as it applies to genetic resources and indigenous knowledge, and a legal overview of biodiversity related laws. ▪ Increased capacity of the JA-CHM to provide relevant data through the acquisition of hardware and software. ▪ To sensitize the public through workshops to the JA-CHM and its potential to assist in national development. 	<ul style="list-style-type: none"> ○ IOJ will use knowledge gathered via the assessments to build on Biodiversity information in Jamaica ○ Officers of the Ecosystems and Public Education Branches, and IOJ will use knowledge gained to aid in preservation of Jamaica's indigenous biodiversity ○ The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will monitor the outcomes of the project. ○ The Third National Report has been sent to the National Focal Point at the Office of the Prime Minister. A total of 100 copies have been printed for distribution to key stakeholders. ○ A Summary Report (in a 'user friendly' form, with illustrations and colour photographs of endemic species) has been printed. A total of 1,000 copies in a booklet form have been printed for distribution to schools, Universities, NGOs and other key stakeholders. ○ All expenditure have been paid and a final expenditure report is being prepared by the implementing agency for final submission to the UNDP

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ENVIRONMENTAL ACTION PROGRAMME EXTENSION (ENACT) Goal: To institutionalize sustainable development initiatives among key organizations and stakeholder groups Programme Manager: <i>Novlette Douglas</i> Component Head: <i>Gina Sanguinetti Phillips</i>	Apr 2005 – October 2008	CIDA – CD\$900,000 (approx J\$50,000,000)	General Achievements	<ul style="list-style-type: none"> • Audit of the Project conducted by CIDA • 1,171 Persons trained in areas such as strategic environmental assessments, environmental stewardship and EESD • 36 Publications prepared by the Unit including: <ul style="list-style-type: none"> - Two Newsletters - Guideline Document for Licensees: Wastewater and Sludge Regulations; - Guideline Document for Regulatory Staff: Wastewater and Sludge Regulations; - Draft Issues Paper Towards Review of Existing Environment and Planning Framework; - Vision Statements and Exercises for Jamaica • 36 Training Events conducted • Unit led the development of the Environment Chapter in the JASPEV National Progress Report 2006-2007 • Participated in Natural Resources and Environmental Management Task Force as part of process to form the National Development Plan
	PROJECT ENDED	GOJ – Approx. J\$11.2 million per yr		
ENACT Extension Cont'd Project Ended			Greening of Government <ul style="list-style-type: none"> • Strategic Environmental Assessment • Environmental Stewardship • Environmental awareness and training in the public sector 	<ul style="list-style-type: none"> • Brochures on Climate Change and Energy will be used for use by EMD-OPM in its Communications Demonstration Project • Training materials that were developed to guide the implementation of the EMD's Environmental Stewardship Action Plan will be used in MIND's Environmental Management programme • SEA policy will be implemented by EMD-OPM • The Strategic Planning & Policies and the Projects Planning and Monitoring


PAST PROJECTS		
GENERAL INFORMATION	COMPONENTS/ACTIVITIES	TASKS ACCOMPLISHED
		Branches, through the JaNEAP, will continue to monitor the outcomes of the project.
ENACT Extension Cont'd Project Ended		Strengthening NEPA <ul style="list-style-type: none"> Continued Strengthening of linkages among MLGCDS, NEPA and the Local Planning Authorities Capacity Development for compliance and enforcement Modernization of legislative framework
ENACT Extension Cont'd Project Ended		<ul style="list-style-type: none"> Enforcement Branch to implement Multi-Agency Enforcement Strategy Enforcement Branch to continue training programme on Enforcement issues with ISCF using the 7 sets of enforcement and training materials developed by the programme Public Education and Enforcement Branches will continue to distribute the 'Pocket Guide to Environmental Laws of Jamaica' ; and will review and reprint as necessary The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will continue to monitor the outcomes of the project.
ENACT Extension Cont'd Project Ended		Local Sustainable Development Planning <ul style="list-style-type: none"> National Initiatives supporting an enabling environment for LSDP Education and Training to Build LSDP Capacity Portland LSDP Implementation Kingston & St. Andrew Development Strategy
		<ul style="list-style-type: none"> KSA SD Plan to be incorporated in to the KSA Development Order currently being completed by the Planning Branch. The KSAC will also be using the KSA SD Plan in their local area planning The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will continue to monitor the outcomes of the project.

PAST PROJECTS		
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<p>ENACT Extension Cont'd</p> <p>Project Ended</p>		<p>Environmental Education for Sustainable Development</p> <ul style="list-style-type: none"> National Environmental Education Committee (NEEC) Institutionalization Public Awareness Strategy EESD in the Formal Education Sector <ul style="list-style-type: none"> A syllabus for a JBTE elective course in Environmental Education for Primary Student teachers that was developed will be implemented by Ministry of Education Revised curriculum for MIND's School Management programme for principals and senior staff in educational institutions, which includes environmental considerations, will continue to be used by MIND in their programme of activities NEEC activities will be carried on by the Public Education Branch, NEPA The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will continue to monitor the outcomes of the project.
<p>ENACT Extension Cont'd</p> <p>Project Ended</p>		<p>Environmental Management in the Private Sector</p> <ul style="list-style-type: none"> Partnership, Training, Documentation Support for Environmental Management in the Private Sector <ul style="list-style-type: none"> Online course entitled "Environmental Management for Business Leaders" will continue to be taught by MIND Private Sector EMS programme to be encouraged by JMA to its members NEPA's EMS Officer to continue relationship with JMA in a bid to continue programme of EMS in private sector The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will continue to monitor the outcomes of the project. The Strategic Planning & Policies

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GENERAL INFORMATION		COMPONENTS/ACTIVITIES	TASKS ACCOMPLISHED	
				and the Projects Planning and Monitoring Branches, through the JaNEAP, will continue to monitor the outcomes of the project.
NORTH COAST HIGHWAY IMPROVEMENT PROJECT Funded by: IDB/GOJ ENVIRONMENTAL CONSULTANT: NAEEN JACKSON <i>PROJECT COMPLETED</i>	June 2002-February 28 2009 <i>(NEPA Component)</i>	IDB – Segments 2 and 3 US\$245,000 GOJ – US\$ 64,000	<ul style="list-style-type: none"> ▪ Institutional Strengthening of the NEPA in the areas of Environmental Monitoring/ Environmental Management ▪ A Management Plan for the Protected Area ▪ The development of regulations for the protected area ▪ An Operational Procedures and Guidelines Manual for monitoring road construction and rehabilitation projects ▪ Environmental Monitoring Reports for each segment of the project ▪ An environmental Monitoring Unit for highway construction projects located within the formal structure of the NRCA 	<ul style="list-style-type: none"> ○ Field and Lab equipment, inclusive of air quality equipment bought for NEPA and continue to be used and will be maintained by Enforcement and PMA Branches in operations. ○ Procedures manual for the monitoring of highway construction works developed with involvement of the Enforcement Branch. The procedures are being incorporated into the Enforcement Branch's procedures. ○ 16-Seater Bus purchased has been added to NEPA's fleet to assist with general operations ○ 4 Trail Bikes to be used to monitor Enforcement and Protected Areas activities
MITIGATING THE THREATS OF INVASIVE ALIEN SPECIES IN THE INSULAR CARIBBEAN (REGIONAL PROJECT)	May 2008 to January 2009 Project Completed	GEF/CABI/UNEP US\$50,623	<ul style="list-style-type: none"> • Collate gaps in existing plans and policies as baseline for strategic review under the full-size project (FSP) • Outline national and regional communication and capacity-building strategies for the FSP, also with a view towards the development of a Caribbean-wide cooperation and strategy under FSP • Develop criteria and initiate baseline surveys for species and sites selection for pilot projects, define pilot projects and provide incipient technical 	<ul style="list-style-type: none"> ▪ National and International Consultations done towards completion of the PDF-A stage of the project which ended on March 31, 2007 ▪ MOU with CABI to be signed by April 2008. ▪ National IAS Specialist to be hired

PAST PROJECTS				
GENERAL INFORMATION	COMPONENTS/ACTIVITIES	TASKS ACCOMPLISHED		
			<ul style="list-style-type: none"> for tentative project design and activity costing at national level -- including coordination and monitoring & evaluation plan Eradication of newly established and undesirable alien species Preparation of an IAS management strategy 	
ASSESSMENT OF CAPACITY BUILDING NEEDS, PREPARATION OF THE THIRD NATIONAL REPORT (CBD) AND THE CLEARING HOUSE MECHANISM	<p>May 2008 – May 2009</p> <p>Project Completed</p>	<p>UNDP/GEF US\$243,620</p> <p>GOJ US\$100, 000</p>	<ul style="list-style-type: none"> Assessing capacity needs in the areas of preservation of indigenous knowledge, access to genetic resources and benefit sharing. Conducting initial assessments and identify monitoring programs, including taxonomy for biodiversity Increasing the capacity of the JA-CHM to provide relevant data to assist in the country's development of the various sectors Sensitizing the public to the JA-CHM and its potential to assist in economic planning and hence development Developing the Third National Report to the CBD 	<ul style="list-style-type: none"> Project Document signed late April/Early May 2008 Procurement plan prepared and submitted to the UNDP National Project Coordinator being hired
INCORPORATING NATURAL RESOURCE EVALUATION TOOLS INTO ENVIRONMENTAL IMPACT ASSESSMENT PROCEDURES	<p>PDFA: 3 Months (<i>to prepare project proposal</i>)</p> <p>Project Completed</p>	<p>UNDP – US\$29,750.00</p> <p>GOJ – US\$5,000.00</p>	Preparation of a project proposal for a Medium Sized Project (MSP) to incorporate natural resource valuation tools into EIA procedures	Project proposal prepared and submitted to GEF for consideration.
NATURAL ASSETS MANAGEMENT FOR PROJECT (FORMERLY PALM)	2007 to March 2009	<p>USAID – US\$3,836,068.00</p> <p>GOJ – US\$2,706,800.00</p>	<ul style="list-style-type: none"> Building Capacity for knowledge-based decision making Risk Reduction Relative to Disasters Promotion of Voluntary Compliance to Acceptable Standards and Environmental Excellence Improved Governance and Decision Making 	<ul style="list-style-type: none"> Workshops and Seminars to build capacity in: <ul style="list-style-type: none"> Protected Areas Management. Institutional Framework for collaboration developed and being implemented through the establishment of the Protected Areas Committee (PAC) which continues to meet and is in the process of overseeing the

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				<p>completion of the Protected Areas System Master Plan (PASMP)</p> <ul style="list-style-type: none"> - Water Quality Monitoring. - Mangrove Re-planting - Post-Permit Monitoring, - Adaptation to Climate Change <ul style="list-style-type: none"> • Consultant engaged to build the capacity of NEPT to implement the National Blue Flag Programme. The 5-Year Implementation Plan and 5-Year Public Education Programme developed will be implemented by NEPT. As a result of the capacity building exercise NEPT in collaboration with NEPA able to put forward five candidate beaches and one candidate marina for 2009/10 certification. • The Strategic Planning & Policies and the Projects Planning and Monitoring Branches, through the JaNEAP, will monitor the outcomes of the project. •
EU/JAMPRO PSDP PROJECT ROLL-OUT OF AMANDA FOR ACCESS TO PRIVATE SECTOR	April 2007 to April 2008 Extended to July 2008 Project Completed	EU/JAMPRO J\$6,356,409.90 GOJ J\$2,118,803.30	<ul style="list-style-type: none"> ■ Early Diagnostic and Early Improvements of the Existing System ■ Design of Application Roll-Out System ■ Implementation of the System 	<ul style="list-style-type: none"> • IT Equipment and software purchased is being used by NEPA • The AMANDA System has been rolled-out to the general public with applicants being able to track the progress of their applications on-line. • IT Branch to roll-out AMANDA to Local Authorities (This is dependent on the readiness of the local authorities in terms of the necessary IT Infrastructure and software and the availability of funds.) • The Strategic Planning & Policies and the Projects

PAST PROJECTS				
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				Planning and Monitoring Branches, through the JaNEAP, will monitor the outcomes of the project.
INTERNATIONAL ATOMIC AGENCY (IAEA) USE OF NUCLEAR TECHNIQUES TO ADDRESS THE MANAGEMENT OF COASTAL ZONES IN THE CARIBBEAN REGION 	April 2007 to December 2008 Extended to October 2009	REGIONAL TECHNICAL AGREEMENT	To enhance commitment of member states and regional organizations in environmental protection activities through <ul style="list-style-type: none"> ■ capacity building of regional labs ■ improved knowledge of coastal ecosystems ■ dissemination of results amongst stakeholder countries in greater Caribbean 	<ul style="list-style-type: none"> ○ Information gathered from the analysis of the Kingston Harbour core samples regarding heavy metals in the soil will be shared with ICENS and the Soils Lab for their action. ○ The PMA Branch will maintain field and lab equipment for use to gather samples as needed
INTEGRATED ASSESSMENT OF TRADE-RELATED POLICIES IN THE AGRICULTURAL SECTOR FUNDED BY: UNEP/GOJ PROJECT CONSULTANTS: <i>INSTITUTE FOR SUSTAINABLE DEVELOPMENT</i>	October 2006 to September 2008	UNEP – \$64,000	Training and Review Workshops Integrated National Policy and Action Plan	<ul style="list-style-type: none"> • MOU between NEPA and the Institute for Sustainable Development signed • Preparations for the Project Launch started in earnest Trade and Environment Conference convened