

### Implementation Status & Results

#### Africa

#### GEF-Western Indian Ocean Marine Highway Development and Coastal and Marine Contamination Prevention (P078643)

Operation Name: GEF-Western Indian Ocean Marine Highway Development and Coastal and Marine Contamination Prevention (P078643)    Project Stage: Implementation    Seq.No: 10    Status: ARCHIVED    Archive Date: 01-Jun-2011

Product Line: Global Environment Project    Country: Africa    Approval FY: 2007  
 Implementing Agency(ies): South Africa Maritime Authority, Indian Ocean Commission    Region: AFRICA    Lending Instrument: Specific Investment Loan

#### Key Dates

Board Approval Date	22-May-2007	Original Closing Date	30-Jun-2011	Planned Mid Term Review Date	Last Archived ISR Date	01-Jun-2011
Effectiveness Date	21-Sep-2007	Revised Closing Date	31-Dec-2012	Actual Mid Term Review Date		01-Nov-2010

#### Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The project's medium to long-term global environmental goals are to reduce the risk of ship-based environmental contamination (such as oil spills from groundings and illegal discharges of ballast and bilge waters) and to strengthen the capacity of countries to respond to oil or chemical spill emergencies in the region. The project has three specific global environmental objectives. The first is to ascertain the economic, technical, and institutional feasibility of introducing modern aids to navigation systems in the region, such as an electronically supported marine highway, to guide ships through sensitive areas and to encourage monitoring of the movements and activities of fishing and other vessels operating within countries' territorial waters. The second objective is to support widening the existing regional agreement (June 5, 1998) on port state control and implementation of its provisions. The third objective, focusing on Kenya, Mozambique, South Africa, and Tanzania, is to reduce risks of environmental damage to beaches, fishing grounds, and other domestic resources from spills of oil and chemicals. This will be achieved by supporting efforts of Kenya, Mozambique, South Africa, and Tanzania to become part of a regional oil spill response plan, by completing the identification and mapping of environmentally sensitive areas along coasts and sea lanes, and support regional collaboration with the west Indian Ocean island states.

Has the Project Development Objective been changed since Board Approval of the Project?

Yes     No

#### Component(s)

Component Name	Component Cost
Development of a regional marine highway and institutions	6.00
Capacity building for prevention of coastal and marine contamination	1.10
Building a regional oil spill response capacity	0.70
Port state control, fisheries monitoring, and project coordination and management	3.30

#### Overall Ratings

Previous Rating	Current Rating
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	Previous Rating	Current Rating
Progress towards achievement of GEO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Moderate	Moderate

### Implementation Status Overview

Project implementation is satisfactory. Development objectives of the Grant are being met in accordance with the project objectives. An important milestone was achieved during the Project Steering Committee Meeting which took place Dec. 13 and 14, 2011 in Cape Town with the signature by Tanzania as the 7th country of the Regional Cooperation Agreement (the agreement is already effective after the 6th signature with effect from 26 November 2011). Also, agreement was reached by delegates on the text of the Host Country Agreement ("HCA") for the Regional Coordination Center for Preparedness and Response to Oil, Hazardous and Noxious Substances Pollution in the Western Indian Ocean ("the Center") to be hosted by SAMSA in South Africa. Once South Africa signs all other participating countries have pledged to sign the HCA thereafter. Project disbursements are in accordance with projections but a disbursement delay is expected during the first quarter of 2012 since the procurement for the Automatic Information Stations (AIS) is delayed and will require re-bidding. The Grant received from the European Space Agency (ESA) has produced two earth observation products for the Mozambique Channel in support of Project activities including: (i) oil spill detection in real time, and (ii) coral reef monitoring.

### Locations

Country	First Administrative Division	Location	Planned	Actual
Tanzania	Zanzibar Urban/West Region	Zanzibar Urban/West Region		
Tanzania	Zanzibar North Region	Zanzibar North Region		
Tanzania	Zanzibar Central/South Region	Zanzibar Central/South Region		
Tanzania	Tanga Region	Tanga Region		
Tanzania	Pwani	Pwani Region		
Tanzania	Pemba South Region	Pemba South Region		
Tanzania	Pemba North Region	Pemba North Region		
Tanzania	Lindi Region	Lindi Region		
Tanzania	Dar es Salaam Region	Dar es Salaam Region		
Kenya	Coast Province	Coast Province		
Tanzania	Mtwara Region	Mtwara Region		
Mozambique	Provincia de Zambezia	Provincia de Zambezia		
Mozambique	Provincia de Sofala	Provincia de Sofala		
Mozambique	Provincia de Nampula	Provincia de Nampula		

Country	First Administrative Division	Location	Planned	Actual
Mozambique	Provincia de Nampula	Cidade de Nacala		
Mozambique	Maputo	Provincia de Maputo		
Mozambique	Provincia de Inhambane	Inharrime		
Mozambique	Provincia de Inhambane	Provincia de Inhambane		
Mozambique	Provincia de Gaza	Provincia de Gaza		
Mozambique	Provincia de Cabo Delgado	Provincia de Cabo Delgado		
Mozambique	Cidade de Maputo	Cidade de Maputo		

**Results**

**Global Environmental Objective Indicators**

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Number of ship inspections carried out at major ports in the region (PI)	<input type="checkbox"/>	Number	Value	223.00	646.00	475.00
			Date	03-Jan-2005	05-Jan-2012	31-Dec-2012
			Comments	Data for 2005-2005	Reported 636 inspections in 2011 Port State Control website including: South Africa 227, Tanzania 23, Kenya 251, Reunion 85. Totalsfor Madagascar & Comoros also estimated at 5 each.	Target achieved
Number of passages of vessels traveling through the region using the marine highway and its electronic charts for navigation (SRI)	<input type="checkbox"/>	Text	Value	No marine highway infrastructure in place, so no ships use it.		Evaluation complete. Plans for further development complete.
			Date	19-Jul-2007	14-Oct-2010	31-Dec-2012

			Comments		"Surveyed corridor" marine survey, data collected and incorporated in electronic nautical charts. Agreement with key intl. organizations on "Routing System" and marine highway principle. Participating States to submit formal IMO application for approval of "Routing System".	
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**Intermediate Results Indicators**

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Mechanisms for coordination among related GEF-supported initiatives created and maintained	<input type="checkbox"/>	Text	Value	No mechanisms are in place yet		Staff of project mgt units of GEF projects participate in GEF-IW conferences
			Date	19-Jul-2007	13-May-2011	31-Dec-2012
			Comments		IOC is liaising with as well as exchanging environmental data with ASCLME, and other EU funded projects such as ReCoMap, etc.	
Inspectors trained under the project to international standards in port state control operating	<input type="checkbox"/>	Text	Value	16 inspectors currently operating in South Africa		At least 2 per country
			Date	19-Jul-2007	31-Dec-2011	30-Jun-2011
			Comments		20 trainees participated in the IMO approved course in Durban last Nov 2010, including Comoros (2), Madagascar (1), Mozambique (2), Tanzania (3), South Africa (9). Additional training planned for March 2012.	
Agreement reached with Madagascar and Comoros to join the regional agreement on port state control that was signed on June 5, 1998	<input type="checkbox"/>	Text	Value	Madagascar and Comoros not currently part of the regional agreement		Madagascar and Comoros sign the regional agreement
			Date	19-Jul-2007	13-May-2011	31-Dec-2012
			Comments		Comoros is processing the application while Madagascar still has not applied.	

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Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
A regional center to coordinate national actions and to monitor regionwide environmental conditions is fully operational	<input type="checkbox"/>	Text	Value	A subregional center is currently operating in Madagascar		Center is operating
			Date	19-Jul-2007	31-Dec-2011	30-Jun-2011
			Comments		Regional agreement signed by 7 participating States making agreement effective. A regional coordination center agreement has been agreed and signatures expected during first semester of 2012.	
A regional marine pollution contingency plan that covers all participating countries is established	<input type="checkbox"/>	Text	Value	Neither Kenya, Mozambique, Tanzania, South Africa currently have in a regional plan		Regional plans completed
			Date	19-Jul-2007	14-Oct-2010	30-Jun-2011
			Comments		A regional Oil Spill Contingency plan is drafted and under discussion with participating countries.	
Equipment in place and used in training	<input type="checkbox"/>	Text	Value	Some equipment in place		All equipment is acquired and in place
			Date	19-Jul-2007	31-Dec-2011	30-Jun-2011
			Comments		Sufficient equipment in place in 5 of 8 countries. Contract awarded for additional oil spill combat kits for Comoros, Mozambique and Tanzania. Equipment to be delivered by February 2012.	
Kenya, Mozambique, and Tanzania adopt national oil spill contingency plans	<input type="checkbox"/>	Text	Value	Plans in different stages have been developed		Contingency plans are completed
			Date	19-Jul-2007	14-Oct-2010	30-Jun-2011
			Comments		The NOSCPs have been prepared for Kenya, Mozambique and Tanzania. Government approvals are being sought.	

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Kenya, Mozambique, and Tanzania pass national laws and regulations to implement OPCR, FUND, and CLC conventions	<input type="checkbox"/>	Text	Value	Kenya, Mozambique, and Tanzania have ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92), but have not passed national laws and regulations to implement them		Ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92) by Kenya, Mozambique and Tanzania are completed
			Date	19-Jul-2007	14-Oct-2010	30-Jun-2011
			Comments		Kenya, Mozambique and Tanzania have all signed the OPRC 90, CLC 92 and International Compensation Funds. No country in the sub-region has as yet ratified the HNS 2000 protocol. 4 Masters in Maritime Law from Kenya, Mozambique, Mauritius and Tanzania trained under the Project.	Target achieved.
Countries establish and continuously maintain databases and geographic information systems, as indicated in discussions with staff of project entities (PI)	<input type="checkbox"/>	Text	Value	None currently in place		Information system in place
			Date	19-Jul-2007	14-Oct-2010	31-Dec-2012
			Comments		Environmental data are being converted into GIS format and use in that form for the preparation of ESAs. This is ongoing in all participating States. 90% completed in Comoros 90% completed in Seychelles 60% completed in Mauritius 50 % completed in Madagascar 25% completed in Kenya 25% completed in Mozambique 25% completed in Tanzania No feedback to date from SA.	

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Methodology to value ecosystem benefits developed and used by environmental managers (PI)	<input type="checkbox"/>	Text	Value	None currently in place		Methodology developed and disseminated
			Date	19-Jul-2007	31-Dec-2011	31-Dec-2012
			Comments		Field surveys and data collection has proceeded well in Kenya, Mauritius, and Tanzania. A regional workshop of environmental economists will be organized in March 2012 during which a Regional Methodology for Ecosystem Valuation will be the main output.	
Pollution prevention and contingency management plans developed for Kenya, Mozambique, and Tanzania (PI)	<input type="checkbox"/>	Text	Value	None currently in place	8	3
			Date	19-Jul-2007	31-Dec-2011	30-Jun-2011
			Comments		Revised NOSCPs for 8 countries including 3 for Kenya, Mozambique and Tanzania (reviewed, revised and updated two times with project inputs). Training in these 3 countries for Tier I and II response took place in November 2010. Trained staff per country to date: Comoros 40, Madagascar 40, Mauritius 50, Seychelles 70, Mozambique 40, Kenya 40, Tanzania 40.	Exceeded target.
Search and rescue communications between two maritime rescue coordination centers (Cape Town and Reunion) and all states involved in the project fully operational (PI)	<input type="checkbox"/>	Text	Value	Communications links not yet fully established with the participating states		Links established
			Date	19-Jul-2007	11-Sep-2009	30-Jun-2011
			Comments		Communication established between 3 centers (Cape Town, Reunion and Mombasa) and sub-center in Seychelles.	Target achieved.
Automatic information service and ship communications system established	<input type="checkbox"/>	Text	Value	0		1
			Date	19-Jul-2007	13-May-2011	30-Jun-2011

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			Comments		AIS system contract for all South Africa has been awarded and is advanced in 21 stations. Supplementary stations to be developed by the project include Maputo, Mahe, Port Louis, Mombasa, Zanzibar and Mahajanga. RFP being finalized. Trial AIS in Maputo operational again.	
Main aids to navigation on the route of the marine highway surveyed and rehabilitated	<input type="checkbox"/>	Text	Value	0		2
			Date	19-Jul-2007	13-May-2011	30-Jun-2011
			Comments		Survey completed of AtoN in Kenya, Madagascar, Mauritius, Mozambique, Seychelles and Tanzania. AtoN brought back into service or part of upgrading program in each country. Course on AtoN in Durban last November 2010.	
Charts and publications maintained and updated (cumulative)	<input type="checkbox"/>	Text	Value	0	13	35
			Date	19-Jul-2007	13-May-2011	30-Jun-2011
			Comments		Basic Port ENC data updated for ports in South Africa, Kenya, Mozambique, and Mauritius ports by South African Hydrographer in DOD, South Africa. Port surveys of Mahajunga and Tamatave in Madagascar and Anjouan in Comoros have been carried out by M/s SHOM.	
Electronic nautical charts and publications produced	<input type="checkbox"/>	Text	Value	0	13	10
			Date	19-Jul-2007	13-May-2011	30-Jun-2011

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			Comments		Mozambique Channel route survey data prepared by M/s SHOM. Motor vessel Beautemp Beaupre completed survey. Data for 10 large scale and 3 small scale ENC's along the route now available and already included in ENC's (early 2011). 2 large scale ENC's of Mozambique, 2 of Kenya, 2 of Seychelles, 4 of Tanzania should be available by June 2011. 2 large scale ENC's of Madagascar and 1 of Comoros are complete and South Africa and Mauritius have a full catalogue of charting available already.
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**Data on Financial Performance (as of 27-Dec-2011)**

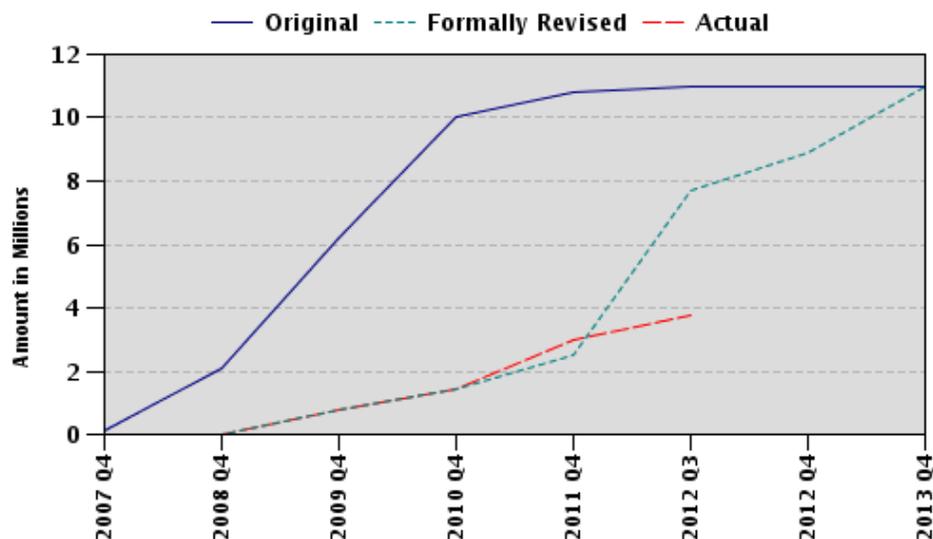
**Financial Agreement(s) Key Dates**

Project	Loan No.	Status	Approval Date	Signing Date	Effectiveness Date	Closing Date
P078643	TF-90304	Effective	21-Sep-2007	21-Sep-2007	21-Sep-2007	31-Dec-2012

**Disbursements (in Millions)**

Project	Loan No.	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P078643	TF-90304	Effective	USD	11.00	11.00	0.00	3.75	7.25	34.00

**Disbursement Graph**



**Key Decisions Regarding Implementation**

All the decisions reached at the Mid term Review were followed and implemented during 2011.

Regarding the development of the marine highway along the Mozambique Channel after the publication of the electronic nautical charts of the "surveyed corridor" the Project has now finalized the formal documents for submission to the International Maritime Organization (IMO) for approval of a Voluntary Marine Route. The application process to be championed by SAMSA and DOT from South Africa, alongside the Government of Mozambique entails the following: (1) finalize routing application by South Africa (SAMSA and DOT) and Mozambique by January 1, 2011 (complete), (2) brief South Africa's permanent representative at IMO about process being followed, (3) submit signed hardcopy of routing application with all necessary data to the Maritime Safety Committee (MSC) and Navigation Subcommittee (NAV) of IMO in London on or before Feb. 7, 2012, and (4) NAV sub-Committee deliberations May 16-25, 2012, and MSC sub-Committee deliberations July 2-6, 2012.

Following the recommendations of the hydrographic consultants, procurement has been started for the Aids to Navigation and Automatic Information Stations (AIS). The AIS will be re-bid. Major training events on hydrographic and port state control training will take place again in 2012.

Environmental consulting services (components B,C and D) with M/s BRLi/OTRA are well underway. Working groups in all countries are managing at the national level all training activities for National Oil/Chemical Spill Contingency (NOSC) Plans, preparation of Environmentally Sensitive Area Maps (ESA), and policies for the use of dispersants.

**Restructuring History**

Level two Approved on 23-Dec-2010, Level two Approved on 08-Aug-2011

**Related Projects**

There are no related projects.