

Implementation Status & Results
Africa
Eastern Nile Watershed Management Project (P111330)

Operation Name: Eastern Nile Watershed Management Project (P111330)	Project Stage: Implementation	Seq.No: 6	Status: ARCHIVED	Archive Date: 04-Mar-2013
Country: Africa	Approval FY: 2009			
Product Line: Global Environment Project	Region: AFRICA	Lending Instrument: Specific Investment Loan		
Implementing Agency(ies):				

Key Dates

Board Approval Date	30-Apr-2009	Original Closing Date	31-Dec-2014	Planned Mid Term Review Date	22-Nov-2012	Last Archived ISR Date	11-Jul-2012
Effectiveness Date	21-Jul-2009	Revised Closing Date	31-Dec-2014	Actual Mid Term Review Date	03-Dec-2012		

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The Global Environment Objectives are to increase the adoption by the Eastern Nile Countries of sustainable land and water management practices in selected micro-watersheds in the Eastern Nile Basin, and develop a framework for integrated and sustainable management of the Lake Nasser/Nubia sub-basin.

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

Yes No

Component(s)

Component Name	Component Cost
Community Watershed Management	25.52
Knowledge for Cooperative Action (KCAP)	4.24
Project Management	5.64

Overall Ratings

	Previous Rating	Current Rating
Progress towards achievement of GEO	Unsatisfactory	Moderately Satisfactory
Overall Implementation Progress (IP)	Unsatisfactory	Moderately Satisfactory
Overall Risk Rating	High	

Implementation Status Overview

The Lake Nasser/Nubia Management Component/Project (LNNMP): Implementation performance of this Component of the Eastern Nile Watershed Management Project (ENWMP) continues to be satisfactory. The Project has carried out series of scientific trips on the Lake (Egypt and Sudan sides) to measure water velocity or by taking water and lake bed samples and performed physical, chemical and biological analysis to ascertain the nature of suspended material concentrations. The raw data collected has been processed using hypack and hysweep software, and captured in a database held by the NRI. It has helped to produce a bathymetric map/chart which will improve Egypt and Sudan's knowledge on the status of the deposited material in the Lake. Also, environmental and socio-economic surveys have been carried out and data analyzed. These sets of analyzed data will be used

in developing an overall framework for a sustainable and integrated management of the Lake. The LNNMP has financed a number of training for staff from Sudan and Egypt. Nine participants have so far been trained in fundamentals of surveying, 14 in hydrographic surveying, 15 in the use of meteorological stations and automatic sand traps, 14 in the use of the sub-bottom, and seven in the use of GPS. Other training to date has included database management (10#), result-based M&E (9), and technical writing and presentation skills (10#). There is full compliance with fiduciary and safeguards. Disbursement rate is high. Project management capacity is high.

The Regional Capacity Building Component/Project (RCBP): Although it has been a bit difficult to coordinate regional capacity building initiatives at one location among the three riparian countries because of the discontinuation and freeze of regional activities at the instance of Egypt and Sudan, the Eastern Nile Technical Regional Organization (ENTRO), the implementing agency of this Component has had to build capacity at country level rather than at the regional level. These include a number of training workshops that have been carried out to enhance the technical and practical capacity of institutions in the Eastern Nile Basin countries involved in watershed management to be able to undertake effective planning, monitoring and evaluation of watershed management interventions. A few of them are mentioned below: (i) "Integrated Watershed Management" conducted in Bahir Dar, Ethiopia attended by 26 participants; (ii) "Strategic Environment Assessment(ESA) and Environmental Impact Assessment (EIA)" attended by 55 participants from Sudan and Ethiopia; (iii) "Gully Mapping and Rehabilitation" attended by 26 participants; (iv) "Design and Construction of Drainage Control Structures" attended by 30 participants; and (v) "Results and Process-based Monitoring and Evaluation of Watersheds" attended by 16 participants. ENTRO has been quite successful in innovating and these training have yielded positive results, resulting in enhanced awareness and effective management of shared resources. Other key activities such as the establishment of a system for basin-wide sediment and water quality monitoring are underway. In January 2011, an basin-wide comprehensive assessment of on-going sediment & water quality monitoring activities has been completed, and by end October 2011 the actual design of basin-wide sediment and water quality monitoring system framework was completed. Also, a framework for design of long term sediment and water quality monitoring system and prepared a guideline for harmonization of standards, methods of data collection and quality control has been designed. To date the RCBP has organized four international experience sharing visits to a number of destinations including India attended by 17 professionals; Ethiopia by 13 professionals; Rwanda by 15 professionals all from Ethiopia; and Tanzania by 21 professionals. These exposure visits were organized to provide opportunities for staff to improve skills in participatory watershed management, upgrade technological know-how, exchange and share lessons and experiences in best-fit land and water management technologies and practices. Also, the RCBP has produced a documentary film on the implementation of pilot watershed projects under the title "Inheritance to our Descendants", a story portraying innovative approaches adapted by the ENWMP and which signifies the importance of regional cooperation. Compliance with covenants and safeguards has been satisfactory. No issues have been observed with fiduciary arrangements and compliance.

The Sudan Community Watershed Management Component/Project (CWMP): By first focusing on laying a good structural and system foundation (setting up implementation structures at all levels, filling expert positions and building their capacity, gathering of baseline data, establishment of a M&E system, etc.) over the past 2.5 years, the Component has begun to show remarkable progress during calendar year 2012. Major accomplishments to date include the following: (i) Between January 2010 and September 2012 the Project had rehabilitated over 19,077ha of degraded land, representing 76 % of the original target of 25,000ha by Project Year Three (PY3). The hectarage done in 2011 alone was about 6,172ha. By September 2012, 12,509ha out of the annual target of 15,000ha (representing 86 % of the target) had been reached. Data made available to the MTR Mission showed that there has been a 50 % increase in the adoption of soil and water conservation practices and techniques amongst beneficiary communities. The results at Mid-term for sorghum and sesame have been encouraging and data from a survey carried out on a farmer field in 2011 showed an increase of 25 % over the baseline. The 2012 figures (pending harvest and analysis) are expected to even surpass those of 2011. The Project has showed good progress with the construction of macro-water harvesting structures. So far, the Project has financed the rehabilitation (de-silting) of Mayaat Mussa - a natural pond within the Dinder National Park. This pond which was dry for over 4 years is now filled with water. In the meantime, studies and designs for the following works have been completed: (i) Construction of four new hafirs (man-made ponds) in Lower Atbara sub-watershed and one hafir within the Dinder sub-watershed; (ii) rehabilitation of two hafirs within the Dinder sub-watershed; and (iii) construction of two small dams and rehabilitation of one other within the Dinder sub-watershed. Actual work will begin in early 2013. Construction of three roof harvesting structures is ongoing and should be completed by early 2013. Within the Lower Atbara sub-watershed 22 boreholes have been drilled for water supply to humans and animals, agroforestry, agriculture and rangeland management activities, and most of these boreholes have been fitted with pumps and pipes. Furthermore, the Project has funded the rehabilitation of 37 hand pumps (26 within the Dinder sub-watershed and 11 within the Lower Atbara sub-watershed). The total land area of forests established including shelter belts, community and private establishment of agroforestry, reforestation of animal routes and planting of animal resting points by Mid-term was 3,987ha representing 38% of target areas.

Locations

Country	First Administrative Division	Location	Planned	Actual
Africa	Not Entered	Nile River		

Sudan	Northern State	Lake Nubia		
Africa	Not Entered	Lake Nasser		
Not Entered	El Buhayrat	Lau		
Sudan	Blue Nile	Ingessana Hills		
Sudan	Blue Nile	Baw		
Sudan	River Nile	Madent Atbara		

Results

Global Environmental Objective Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Area of degraded agricultural landscape rehabilitated and under sustainable management land and water practices.	<input type="checkbox"/>	Hectare(Ha)	Value	1500.00	19077.00	50000.00
			Date	10-Aug-2009	28-Sep-2012	31-Dec-2014
			Comments	Baseline value is estimated to be lower than 1500 collection of fresh baseline data underway under the CWMP.	Annual target (by Dec 31, 2012) is likely to be achieved.	End of project target is expected to range between 50K and 60k hectares
Adoption by the Ministry of Water Resources and Irrigation, Egypt and the Ministry of Irrigation and Water Resources, Sudan of a framework for integrated and sustainable management of Lake Nasser/Nubi	<input type="checkbox"/>	Text	Value	0	0	1
			Date	23-Jun-2009	28-Sep-2012	31-Dec-2014
			Comments	None existed prior to the ENWMP.	Drafting of framework not yet started since data is still being collected/generated from the field.	

Intermediate Results Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Area of agricultural landscape under sustainable land and water management practices	<input type="checkbox"/>	Hectare(Ha)	Value	1500.00	19077.00	50000.00
			Date	10-Aug-2009	28-Sep-2012	31-Dec-2014
			Comments	Baseline value is estimated to be lower than 1500. Collection of fresh baseline data underway under the CWMP	Achievement is below target.	End of year target is estimated to range between 50k and 60k
Average yields of dominant crops (Sorghum or Cowpea)	<input type="checkbox"/>	Hectare(Ha)	Value	750.00	1785.00	940.00
			Date	10-Aug-2009	28-Sep-2012	31-Dec-2014

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			Comments	Atbara: Sorghum: 750kg/ha Cowpea: 500kg/ha Dinder: Sorghum: 519kg/ha Sesame: 202kg/ha		
Staff of national and regional institutions responsible for watershed management in the Eastern Nile countries whose technical competency is strengthened	<input type="checkbox"/>	Number	Value	0.00	65.00	190.00
			Date	23-Jun-2009	28-Sep-2012	31-Dec-2014
			Comments			
New information products (e.g. publications, CDs, status reports) developed to increase sharing of information on watershed management, including on best management practices, among the ripa	<input type="checkbox"/>	Number	Value	0.00	1.00	14.00
			Date	23-Jun-2009	28-Sep-2012	31-Dec-2014
			Comments	Area of agricultural landscape under sustainable land and water management practices		
Key sectoral or thematic guidelines for integrated and sustainable management of the Lake Nasser/Nubia Sub-basin, which would constitute the framework, that are completed and adopted by the Ministry of	<input type="checkbox"/>	Number	Value	0.00	0.00	5.00
			Date	23-Jun-2009	28-Sep-2012	31-Dec-2014
			Comments		Drafting of guidelines not yet started since data is still being collected/generated from the field.	
Existence of a functional inter-ministerial coordinating committee or its equivalent (for Egypt & Sudan)	<input type="checkbox"/>	Number	Value	1.00	1.00	2.00
			Date	23-Jun-2009	28-Sep-2012	31-Dec-2014
			Comments	Egypt and Sudan both have functional inter-ministerial committees chaired by their respective Ministry of Water Resources & Irrigation and Ministry of Irrigation & Water Resources	Egypt and Sudan both have functional inter-ministerial committees chaired by their respective Ministry of Water Resources & Electricity and Ministry of Irrigation & Water Resources	Functional = the committees are active and meet regularly.
Planned project activities are implemented	<input type="checkbox"/>	Percentage	Value	0.00		90.00
			Date	10-Aug-2009	30-Sep-2012	31-Dec-2014
			Comments			
M&E system is strengthened and functional	<input type="checkbox"/>	Number	Value	0.00	1.00	1.00
			Date	23-Jun-2009	30-Sep-2012	31-Dec-2014
			Comments	None of the implementers had systems to track implementation and assess impacts.	M&E system to track implementation and assess impacts already in place.	

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Systematic use of the Environmental and Social Management Framework to screen micro-project interventional before approval (percentage of micro-projects)	<input type="checkbox"/>	Percentage	Value	0.00	100.00	100.00
			Date	23-Jun-2009	28-Sep-2012	31-Dec-2014
			Comments	ESMFs were never developed nor applied in similar projects.	ESMF and checklist fully applied to screen sub-projects. Progress reports contain sections on safeguards.	

Data on Financial Performance (as of 25-Jan-2013)

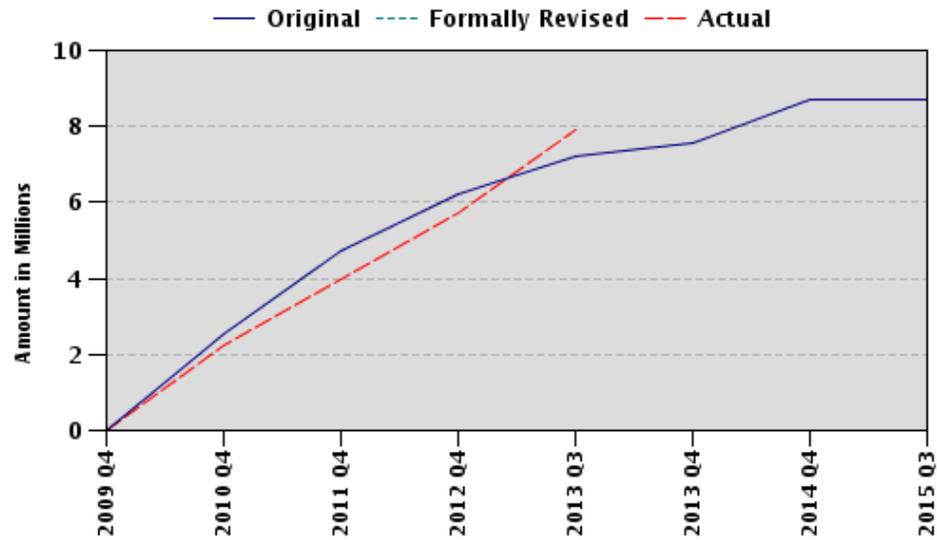
Financial Agreement(s) Key Dates

Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P111330	TF-94530	Effective	24-Jun-2009	24-Jun-2009	21-Jul-2009	31-Dec-2014	31-Dec-2014
P111330	TF-94531	Effective	23-Jun-2009	23-Jun-2009	24-Jul-2009	31-Dec-2014	31-Dec-2014
P111330	TF-94532	Effective	10-Aug-2009	10-Aug-2009	06-Nov-2009	31-Dec-2014	31-Dec-2014
P111330	TF-97478	Effective	14-Sep-2010	25-Sep-2010	25-Sep-2010	31-Dec-2014	31-Dec-2014

Disbursements (in Millions)

Project	Ln/Cr/Tf	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P111330	TF-94530	Effective	USD	2.70	2.70	0.00	1.89	0.81	70.00
P111330	TF-94531	Effective	USD	2.00	2.00	0.00	1.51	0.49	76.00
P111330	TF-94532	Effective	USD	4.00	4.00	0.00	2.21	1.79	55.00
P111330	TF-97478	Effective	USD	8.53	8.70	0.00	2.27	6.45	26.00

Disbursement Graph



Key Decisions Regarding Implementation

The Client is obliged to prepare progress reports periodically and these should provide indication on how indicators are being met and target values achieved. Indicators to report on should include all those found in the results framework of the Project Appraisal Document.

Restructuring History

There has been no restructuring to date.

Related Projects

There are no related projects.