



Nigeria Erosion and Watershed Management Project (P124905)

AFRICA WEST | Nigeria | Environment, Natural Resources & the Blue Economy Global Practice |
IBRD/IDA | Investment Project Financing | FY 2012 | Seq No: 18 | ARCHIVED on 29-Oct-2021 | ISR48147 |

Implementing Agencies: Federal Ministry of Finance

Key Dates**Key Project Dates**

Bank Approval Date: 08-May-2012

Effectiveness Date: 16-Sep-2013

Planned Mid Term Review Date: 25-Jan-2016

Actual Mid-Term Review Date: 25-Jan-2016

Original Closing Date: 30-Jun-2020

Revised Closing Date: 30-Jun-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To reduce vulnerability to soil erosion in targeted sub-watersheds.

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

No

Components Table

Name

Component 1: Erosion and Watershed Management Infrastructure Investments:(Cost \$659.20 M)

Component 2: Erosion and Watershed Management Institutions and Information Services:(Cost \$74.99 M)

Component 3: Climate Change Response:(Cost \$50.38 M)

Component 4: Project Management:(Cost \$124.02 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

The Project has continued to perform at an overall satisfactory level and is moving towards an orderly closure on June 30, 2022. As part of the recent project restructuring and 12-month extension, fiscal imbalances with International Development Association (IDA) funds advanced to State DAs have largely been addressed. Refunds requested from five States with surplus IDA funds in their DAs relative to what could be reasonably utilized have all been received in full by the Bank and reallocations to States requiring additional funds are taking place. Since the last mission, improved tracking and documentation has been undertaken.

The Project Development Objective (PDO) continues to be rated Satisfactory. The Implementation Progress (IP) is maintained as Moderately Satisfactory. A sustainable number of the ongoing sites including 18 indicators out of the 21 project indicators have been completed and achieved.



Solid progress made against Results Framework indicators for example, land treated for erosion with selected measures in targeted sub-watersheds increasing from 5,227 ha to 22,570 ha, and the planned measures for targeted sub-watersheds increasing from 30 sites to 42 sites against the end-of-project goal of 55 sites (76 percent achievement). Another way to view this physical progress is that the number of targeted gully complexes and other erosion sites with reduced severity level after treatment increased from 66 to 74, well above the end-of-project target of 55 sites. Progress needs to be maintained and where possible, accelerated, to ensure full achievement of the PDO target of 55 sites fully completed by project closure. At the same time, specific sites in Abia (Flood Management Site) and Imo (Urualla Site) have required close scrutiny of implementation progress. Decisions are required as soon as possible on remaining work that can be completed relative to the time remaining in the project. Good progress is being made with institutional strengthening at the State and federal levels. For longer-term sustainability, Six States (Enugu, Anambra, Katsina, Kogi, Edo & Sokoto) have passed legislation to establish new Erosion and Watershed Management agencies. With Kogi, Edo & Sokoto achieving this feat during the period under review. Other States currently have enabling legislation pending at various stages and we are very likely to see several of these States establishing functional agencies before the closure of the project. With climate change work under the project, a major achievement was the recent mainstreaming of Green Bond financing into the National Budgeting Process. Progress against the Results Framework shows that of the five PDO indicators, three exceed end-of-project targets. An end of project PDO indicator on net greenhouse gas (GHG) emissions is now underway; consultants have been contracted and are starting the assessment. Of the 16 Intermediate Indicators, 13 have either met or exceeded the end-of-project target. Of the three lagging indicators, two are making good progress - Environmental Assessment Guidelines are now under review by the Bank, and National Centers of Excellence (CoEs) have two functional institutions out of the target of three. On the Community Interest Group collecting municipal solid waste in project intervention areas progress has been made towards the goal of having 50 functional groups out of the 94 already established however, only 22 groups are operational at this time an increase from 17 functional CIGs as of June of 2021. This activity needs to be accelerated. Finally, a large challenge in Ebonyi where lack of counterpart funding threatens to derail implementation was resolved. The team will continue to work with the state to see how to speed up project implementation in Ebonyi.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Macroeconomic	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Sector Strategies and Policies	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Stakeholders	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Results

PDO Indicators by Objectives / Outcomes

To reduce vulnerability to soil erosion in targeted sub-watersheds.

► Targeted gully complexes and other erosion sites treated with 100% of planned measures for targeted sub-watersheds (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	42.00	55.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	42 sites have been treated with 100% of planned measures ranging from slope stabilization, planting of grasses and trees, construction of drainage, road rehabilitation, earthworks, etc.			
► Targeted gully complexes and other erosion sites with reduced severity level after treatment (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	66.00	74.00	55.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	74 sites have achieved at least 50% of works and have reduced in severity.			
► Area under bio-remediation in targeted sub-watersheds (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,658.10	1,928.10	400.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	1,928.1 area under bio-remediation in targeted sub-watersheds.			
► Land area under sustainable landscape management practices (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,227.00	22,570.00	400.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	A total of 22,570 hectares have been reclaimed as compared to 5,227 hectares reported in June 2021.			
► Net Greenhouse Emissions (tones CO2 annually) (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	-2,411.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	Being a corporate result indicator, the indicator is focused on reducing greenhouse emissions expected to be measured at the end of the project. Work has commenced.			

Intermediate Results Indicators by Components



Component 4: Project Management

► Reports produced on project progress at federal and state levels (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	21.00	21.00	18.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	21 PMUs submitting progress reports.			

Component 3: Climate Change Response

► Technical reports/ guidelines on promoting low carbon development or enhancing climate resilience completed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7.00	7.00	7.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	The reports on promoting low carbon development include: (i) NAMAS Report (National Appropriate Mitigation Actions on Climate Change) (ii) Off-Grid Solar Power Feasibility Study Report (iii) Climate data Management System Report (iv) Baseline Survey of Clean Cook Stoves (v) Report for installation of Low Carbon Bakery in Jigawa State (vi) LPG as a Low Carbon alternative to Firewood and Kerosene; and (vii) Greening the economy: Case study Nigeria's Sovereign Green Bond. End target of seven achieved.			

► Climate adaptation /low carbon demonstration projects completed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	42.00	42.00	10.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	42 Climate adaptation /low carbon demonstration projects completed under the project.			

► Development and Issuing of Green Bond Phases (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	1.00
Date	27-Jun-2018	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	Two tranches of Green Bonds issuance supported by the project. The Green Bonds will support the country's NDC.			

Component 2: Erosion and Watershed Management Institutions and Information Services

► Spatial Knowledge Management Information System on erosion and watersheds operational (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	1.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	A functional MIS including a spatial component exist at the FPMU. The planned upgrade on the MIS is expected to be linked to a national geo-database on erosion and watershed management developed under the project.			
► Upgraded and newly installed stations providing data for integrated catchment planning (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	103.00	107.00	100.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	107 stations installed.			
► City storm water master plans developed which are informed by climate projections of increased rainfall intensity and risk assessments (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	3.00	3.00	3.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
► EIA guidelines developed for targeted investment types that affect erosion (road cross drainage, urban water supply and drainage) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	Two draft EIA guidelines have received Bank's initial review pending finalization.			
► National Centers of Excellence in erosion control established, operational and functional (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	3.00
Date	27-Jun-2018	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	Of the three proposed National Centres of Excellence envisioned in project design, good progress has been made with two National Centers of Excellence at the Federal University of Technology, Owerri in Imo State and the University of Lagos. Discussions are ongoing to conclude NASRDA as NCE.			
► States with improved erosion risk mapping (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	19.00	19.00	19.00



Date	27-Jun-2018	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:				
► Community Interest Group collecting municipal solid waste in project intervention areas (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17.00	22.00	50.00
Date	27-Jun-2018	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	22 functional Community Interest Group (CIG) collecting municipal solid waste in project intervention areas exist under the project. An increase from 17 CIGs in May, 2021.			

Component 1: Erosion and Watershed Management Infrastructure Investments				
► Targeted land treated for erosion with selected measures in targeted sub-watersheds (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,272.08	22,570.00	20,000.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	22,570 ha indicates land treated for erosion with selected measures in targeted sub-watersheds and increase from 5,227.08 ha.			
► Participatory sub-watershed Management plans developed under the project for targeted erosion affected sub-watersheds (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	59.00	59.00	38.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	59 Participatory sub-watershed Management plans (CMPs) developed under the Project .			
► People receiving project-supported advisory support services in integrated land/water management practices, planning, and/or monitoring under the Project (of which 40% female) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	185,058.00	185,058.00	90,000.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	Exceeded the end target of 90,000.00. A total of 185,058 people receiving project-supported advisory support services in integrated land/water management practices, planning, and/or monitoring under the Project.			
► Households benefitting from livelihoods enhancement activities under the Project (of which 40% female) (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25,491.00	25,491.00	12,000.00
Date	08-May-2012	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	25, 491 households benefited from livelihoods activities.			
► Packages with detailed design for treatment of gully complexes and erosion sites in targeted subwatersheds prepared under the project that have received WBG No-Objection but not financed by NEWMAP (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	46.00	46.00	30.00
Date	27-Jun-2018	28-May-2021	10-Sep-2021	30-Jun-2022
Comments:	This indicator tracks detailed design packages that will be left for Government to carry on erosion control beyond NEWMAP closure.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

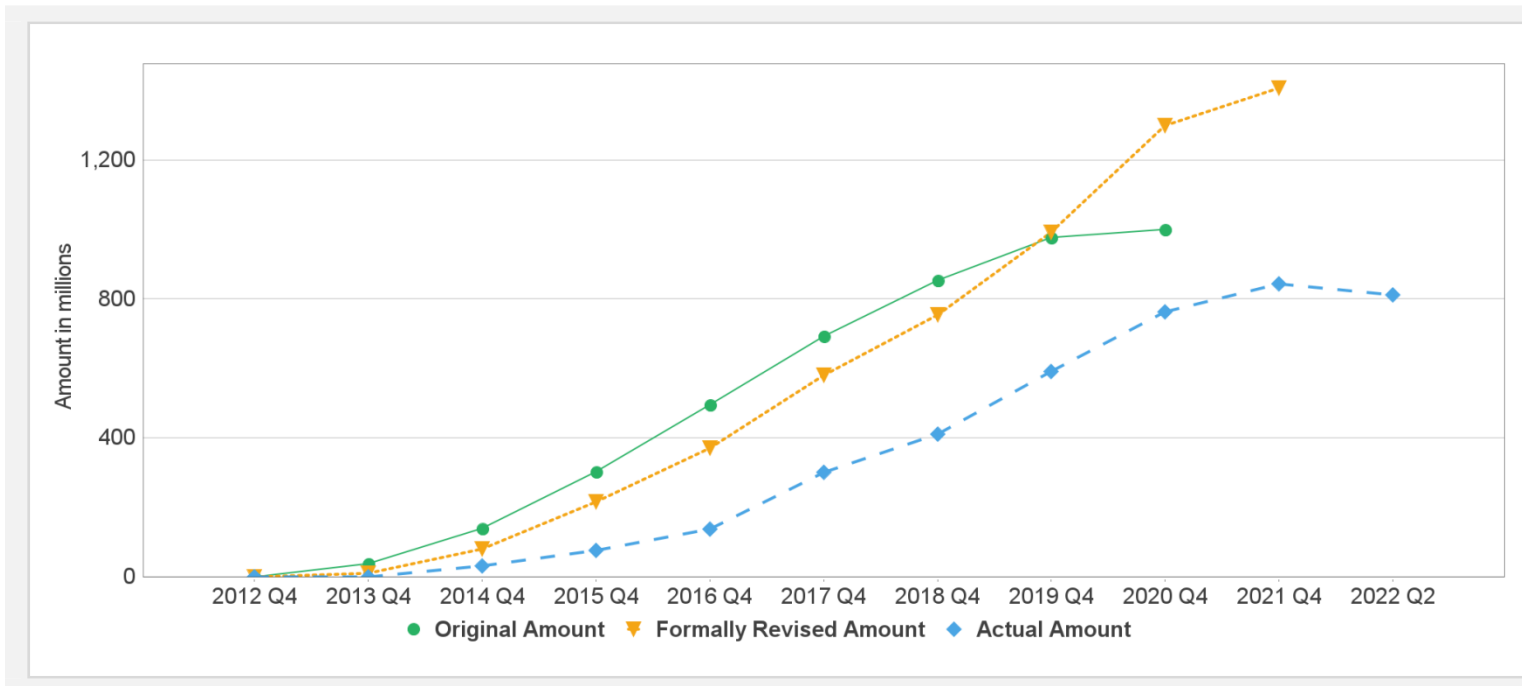
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P124905	IDA-51050	Effective	USD	500.00	500.00	0.00	426.34	24.49	95%
P124905	IDA-62770	Effective	USD	300.00	300.00	0.00	283.98	3.97	99%
P124905	IDA-62780	Effective	USD	100.00	100.00	0.00	94.23	5.77	94%
P126549	TF-12434	Closed	USD	3.96	3.68	0.28	3.68	0.00	100%
P126549	TF-12435	Closed	USD	4.63	4.56	0.07	4.56	0.00	100%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P124905	IDA-51050	Effective	08-May-2012	16-Apr-2013	16-Sep-2013	30-Jun-2020	30-Jun-2022
P124905	IDA-62770	Effective	27-Jun-2018	12-Feb-2019	27-May-2019	30-Jun-2021	30-Jun-2022
P124905	IDA-62780	Effective	27-Jun-2018	12-Feb-2019	27-May-2019	30-Jun-2021	30-Jun-2022
P126549	TF-12434	Closed	16-Apr-2013	16-Apr-2013	16-Apr-2013	30-Jun-2020	30-Jun-2020
P126549	TF-12435	Closed	16-Apr-2013	16-Apr-2013	16-Apr-2013	30-Jun-2020	30-Jun-2020



Cumulative Disbursements



Restructuring History

Level 2 Approved on 27-Apr-2018 ,Level 2 Approved on 29-Jun-2021

Related Project(s)

P126549-Nigeria Erosion and Watershed Management Project ,P164082-Nigeria Erosion and Watershed Management Project (NEWMAP) - Additional Financing