Integrated Water Resources Management in Ten Basins (P151851)

LATIN AMERICA AND CARIBBEAN | Peru | Water Global Practice | IBRD/IDA | Investment Project Financing | FY 2017 | Seg No: 7 | ARCHIVED on 23-Aug-2020 | ISR41257 |

Implementing Agencies: National Water Authority of the Ministry of Agriculture - Autoridad Nacional del Agua (ANA), REPUBLIC OF PERU

Key Dates

Key Project Dates

Bank Approval Date: 28-Apr-2017 Effectiveness Date: 12-Mar-2018 Planned Mid Term Review Date: 30-Sep-2020 Actual Mid-Term Review Date: Original Closing Date: 30-Dec-2022 Revised Closing Date: 30-Dec-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The proposed Project Development Objective (PDO) is to strengthen the capacity of targeted water resources management related institutions to plan, monitor and manage water resources at the national level and in selected river basins in Peru.

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

No

Public Disclosure Authorized

Components

Name

Component 1: Consolidating IWRM at the National Level:(Cost \$65.16 M) Component 2: Improving WRM in Selected Pilot River Basins:(Cost \$14.80 M)

Component 3: General Project Administration:(Cost \$8.19 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	□ Moderately Satisfactory	□ Moderately Satisfactory
Overall Implementation Progress (IP)	□Moderately Satisfactory	□ Moderately Satisfactory
Overall Risk Rating	□Substantial	Substantial

Implementation Status and Key Decisions

This ISR covers the period from November 2019 to August 2020 and reflects the findings of implementation progress, site visits during the mission of February 2020, and several video-conferences and meetings for project monitoring. The Board approved the Loan for the Integrated Water Resources Management in Ten Basins Project on April 28, 2017. The Loan Agreement was signed on September 25, 2017 and became effective on March 12, 2018. Project activities have begun following effectiveness, and ANA is advancing with investments to be undertaken in the thematic areas included in the Project. Progress has been made with the procurement processes of several packages, the execution of two contracts has been completed, and of several others are underway, including the installation of monitoring instrumentation for dams, basin plan design, groundwater well perforations, and data center installation for the National Water Resources Information Center SNIRH. The shelter-in-place measures taken by the Government to contain the COVID-19 pandemic starting in March 2020 have led to a reduction in economic activity across the country. They are expected to have a significant impact on project implementation progress over the coming months. The Bank team and ANA

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Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	Moderate	Substantial	Substantial
Macroeconomic	Low	Low	□Moderate
Sector Strategies and Policies	□Moderate	Substantial	□Substantial
Technical Design of Project or Program	Moderate	Moderate	□Moderate
Institutional Capacity for Implementation and Sustainability	Substantial	Substantial	□High
Fiduciary	□Moderate	Substantial	Substantial
Environment and Social	Substantial	Substantial	Substantial
Stakeholders	Substantial	Substantial	Substantial
Other			□Moderate
Overall	Substantial	Substantial	Substantial

Results

PDO Indicators by Objectives / Outcomes

► National Water Resources Information System providing validated online data and information products to decision makers, water

Strengthen capacity of targeted WRM related institutions to plan, monitor and manage water resources

resources professionals and gen	eral public (Text, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	NWRIS databases established.	NWRIS databases established.	NWRIS databases established.	NWRIS fully integrated with monitoring systems, DSS tools and providing data and information products.
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:	design of the decision sup Progress has enabled the	IS is underway, including the port tool, and the developme operationalization of the data sources information (near 300)	nt of data collection and d a management system, cu	ata mainstreaming. rrently housing

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	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No unit.	Dam Safety Unit established.	Dam Safety Unit established.	Dam safety program in place with unit operational, legal framework established guidelines and tools developed. Implementation of monitoring systems in place for selected dams
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:	5th, 2018) to be attached	n established by Resolution of to the Directorate of Planning pointed to date. ANA has con	g and Development of W	ater Resources in ANA.
► Basin councils /committe	os with approved IMPM plans on	d under implementation (Tex	t, Custom)	
- Edoin oddnolo /committe		·	Actual (Current)	End Target
	Baseline	Actual (Previous)	Actual (Current)	End Target
		·	Actual (Current) 6.00	End Target 10.00
Value	Baseline	Actual (Previous)	,	
Value Date	Baseline 6.00 14-Mar-2017 Consisting of 9 basin wate Pacific have been establis project; 4 committees on	Actual (Previous) 6.00	6.00 13-Aug-2020 e sub-basin committee. ect and will update their ecently established unde	10.00 30-Dec-2022 The 6 committees on the basin plan as part of this r the project. Firms have
Value Date Comments: ►Groundwater committees	Baseline 6.00 14-Mar-2017 Consisting of 9 basin wate Pacific have been establis project; 4 committees on	Actual (Previous) 6.00 04-Dec-2019 er resources councils and on shed already prior to this projute Atlantic side have been redevelopment of IWRM for the	6.00 13-Aug-2020 e sub-basin committee. ect and will update their ecently established under Atlantic basins is under	10.00 30-Dec-2022 The 6 committees on the basin plan as part of this r the project. Firms have way.
Value Date Comments: ► Groundwater committees	Baseline 6.00 14-Mar-2017 Consisting of 9 basin wate Pacific have been establis project; 4 committees on been contracted and the of	Actual (Previous) 6.00 04-Dec-2019 er resources councils and on shed already prior to this projute Atlantic side have been redevelopment of IWRM for the	6.00 13-Aug-2020 e sub-basin committee. ect and will update their ecently established under Atlantic basins is under	10.00 30-Dec-2022 The 6 committees on the basin plan as part of this r the project. Firms have way.
Value Date Comments:	Baseline 6.00 14-Mar-2017 Consisting of 9 basin wate Pacific have been establis project; 4 committees on been contracted and the contracted and th	Actual (Previous) 6.00 04-Dec-2019 er resources councils and oneshed already prior to this projute Atlantic side have been redevelopment of IWRM for the with participatory management	6.00 13-Aug-2020 e sub-basin committee. ect and will update their ecently established under Atlantic basins is under	10.00 30-Dec-2022 The 6 committees on the basin plan as part of this r the project. Firms have way. r implementation. (Text,

Intermediate Results Indicators by Components

Component 1: Consolidating IWRM at the National Level

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	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No monitoring system in place.	No monitoring system in place.	No monitoring system in place.	2,825.00
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:	irrigation measuring gaug measurement, etc. Partly	for several monitoring station ges, dam safety instrumentation contracts have been signed artly designs are finalized or a is underway.	on, groundwater measuring (dam safety instrumentatio	g stations, water quality n), partly procurement is
►Percentage increase	on the number of annual hits for NW	RIS web portal (Text, Custon	n)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40% increase in hits t NWRIS web site and web portal demonstrating increased use of databases and, analysis information products
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:	Not yet due, is measured	annually.		
►Number of dams with	n dam safety assessments completed	l and monitoring instruments	installed (Text, Custom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	8.00
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:		instruments underway, havin ego instrumentalization are u		os Dam. San Lorenzo,
► Monitoring and inspe	ction of water use rights formalized fo	or irrigation units (bloques) by	y ALA and water users asso	ociations (Text, Custom)
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No right formalized for irrigation units.	No right formalized for irrigation units.	No right formalized for irrigation units.	An increase in the number of formalized water rights in 800 irrigation units based on installation and
	Ç			monitoring of surface water abstraction for irrigation use

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Comments:

Comments:

Activities to raise awareness on the benefits of water monitoring have sensitized up to 714 local leaders and decision-makers with 72 professionals additionally trained. A total of 149 measuring structures have been executed out of the 348 planned for 2020. This progress has been possible through the mobilization of 14 specialized technical groups (GTS). The set-up of six additional GTS to prepare 245 technical files is planned for the upcoming months with procurement packages to launch in June 2020 and amounting close to US\$ 2 million. The procurement of additional measuring and data transmission equipment is planned for September 2020. The PIU also brought to the World Bank team's attention a flaw in the wording of this indicator, which suggests a baseline of no existing water rights; this is not true, certain rights exist already. A decision to restructure this indicator was deferred to Mid-term Review.

▶ Number of water quality points monitored on a periodic basis (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No water quality point monitored.	No water quality point monitored.	No water quality point monitored.	33 permanent monitoring stations providing real-time data and 30 mobile monitoring campaigns carried out on an annual or bi-annual basis
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:	Plan in place for periodic r	monitoring in selected basins,	coordinated with AAAs ar	nd ALAs.

► An increase in collection fees (retribución economica) for use of surface, groundwater and discharge of wastewater (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No increase in collection fees.	No increase in collection fees.	No increase in collection fees.	20% increase in collection of water use and discharge fees.
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
	Not yet initiated, depends	on results from monitoring sy	stem that is being installed	d. Perforations in the

▶ Number of water resources related conflicts adequately addressed by ANA (Text, Custom)

three GW locations have begun.

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	40 (registered by Defensoría del Pueblo)	40 (registered by Defensoria del Pueblo)	40 (registered by Defensoria del Pueblo)	20 conflicts satisfactorily addressed with analysis and expert knowledge
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:	Not yet progressed.			

Component 2: Improving WRM in Selected Pilot River Basins

► Number of basins in the Pacific Watershed with IWRM plans updated with financing and under implementation (Text, Custom)

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	Baseline	Actual (Previous)	Actual (Current)	End Target 6 plans with financir
Value	6 (with average 30% of plans implemented)	6 (with average 30% of plans implemented)	6 (with average 30% of plans implemented)	secured and under implementation
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:		elopment of 4 plans in the Ai akeholder consultations, whil d delays.		
	gram tailored to Atlantic Watershed cover basin level (Text, Custom)	ontext to build capacity and i	mprove knowledge and prac	ctices of the general
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Cultura de Agua program rolled out in 6 basins in Pacific Watershed	Cultura del Agua program rolled out in 6 basins in Pacific Watershed.	Cultura del Agua program rolled out in 6 basins in Pacific Watershed.	Cultura de Agua program rolled out ir primary schools, targeted user groups and general public through various campaigns and capacity building activities
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022
Comments:		ua program developed for the prough the RDR2 budget with		
►Integrated forecasting Custom)	g and early warning plans implemente	ed in targeted basins and pro	vide real-time information to	o general public (Text,
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2 integrated forecasting and early warning plans implemented in targeted basins and providing information to general public
Date	14-Mar-2017	04-Dec-2019	13-Aug-2020	30-Dec-2022

Performance-Based Conditions

Data on Financial Performance

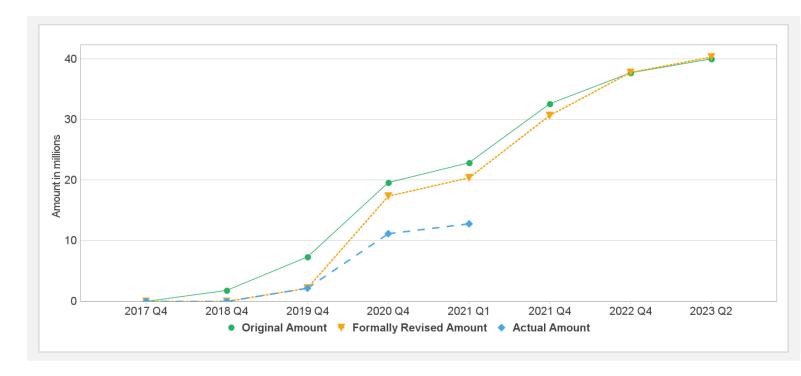
Disbursements (by loan)

Project Loan/Credit/TF Status Currency Original Revised Cancelled Disbursed Undisbursed % Disbursed

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P151851	IBRD-87400	Effective	USD	40.00	40.00	0.00	12.77	27.23		32%
Key Dates	(by loan)									
Project	Loan/Credit/TF	Status	Approval Date	Signing	Date	Effectiveness Date	Orig. Clo	sing Date	Rev. Closir	ng Date
P151851	IBRD-87400	Effective	28-Apr-2017	25-Sep-	2017	12-Mar-2018	30-Dec-2	2022	30-Dec-202	22

Cumulative Disbursements



PBC Disbursement

PBC ID PBC Type Description Coc PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.

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