



Zhejiang Qiandao Lake and Xin'an River Basin Water Resources and Ecological Environment Protection Project (P159870)

EAST ASIA AND PACIFIC | China | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2018 | Seq No: 6 | ARCHIVED on 28-Oct-2020 | ISR43690 |

Implementing Agencies: People's Republic of China, Zhejiang Provincial Construction Department

Key Dates**Key Project Dates**

Bank Approval Date: 06-Jun-2018

Effectiveness Date: 26-Nov-2018

Planned Mid Term Review Date: 30-Jun-2021

Actual Mid-Term Review Date:

Original Closing Date: 30-Jun-2024

Revised Closing Date: 30-Jun-2024

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To strengthen integrated pollution and watershed management and increase access to improved water supply in selected landscapes in support of Zhejiang's program for the protection of Qiandao Lake and Xin'an River Basin.

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

No

Components Table

Name

Component 1: Landscape Management Improvement:(Cost \$86.02 M)

Component 2: Water Resources Management Improvement:(Cost \$54.36 M)

Component 3: Institutional Capacity Building, Monitor and Project Management:(Cost \$9.25 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"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

The project is making timely progress in reducing pollution loads and restoring the Xin'an River Basin and Qiandao Lake ecosystems. Key activities and outputs that took place in the first two years of implementation include (a) technical and management training for about 4,900 provincial and county government staff and project beneficiaries; and (b) numerous low-impact farming activities, forest planting and rehabilitation, river bank rehabilitation, and township level water supply plant construction are completed, while large number of contracts are under implementation. The completed activities mainly include the use of around 66,570 tons of organic fertilizers and 4,690 tons of formula fertilizer to replace chemical fertilizers original used in tea and fruit tree orchards, and crop production; the collection and recycling of 107 tons of used agrichemical containers to reduce the pollution; the establishment and rehabilitation of around 1,185 hectares of mixed species forests; the rehabilitation of 120 kilometers of degraded river bank; and the completion of one water supply plant construction with that around 10,500 local farmers are accessible to the potable water. Given that the majority of project activities are progressing as planned for the integrated watershed restoration and pollution reduction, the progress towards achievement of the PDO and IP is considered Satisfactory.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Strengthen integrated pollution and watershed management in the Qiandao Lake and Xin'an River Basin				
▶ Nitrogen load reduction achieved under the project (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
Comments:	The data will be available after the first field survey, for which, the report will be delivered by December 31, 2020.			
▶ Phosphorus load reduction achieved under the project (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00



Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
Comments:	The data will be available after the first field survey, for which the report will be delivered by December 31, 2020.			
► Decrease of soil erosion (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
Comments:	The data will be available after the first field survey, for which the report will be delivered by December 31, 2020.			

Increase access to improved water supply in the Qiandao Lake and Xin'an River Basin				
► People provided with access to improved water sources (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	10,520.00	218,100.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024

Intermediate Results Indicators by Components

Component 1: Landscape Management Improvement				
► Reduction in pesticide consumption in project areas (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	28.70	92.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Reduction of phosphorus consumption in project areas (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	130.00	267.00	1,380.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Reduction of nitrogen consumption in project areas (Tones/year, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	426.00	535.00	3,080.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Areas of degraded monoculture plantations converted to mixed stands with multiple species (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	859.00	910.00	10,470.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Areas of denuded forests fully planted with multiple tree and shrub species (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	275.00	275.00	2,260.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Number of tree species introduced by the project to diversify forest ecosystems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	9.00	25.00	32.00	40.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Decrease of pest incidence in project areas (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	0.00	0.00	10.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
Comments:	The data will be available after the first field survey, for which the report will be delivered by December 31, 2020.			

Component 2: Water Resources Management Improvement

► Length of river bank rehabilitated (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	64.60	120.00	204.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024



► Number of overflow weir dams upgraded and rehabilitated (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	15.00	38.00	59.00	85.00
Date	30-Jun-2019	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Increase in delivery capacity of safe water supply (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	2,369.00	38,400.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► New piped household water connections under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	3,821.00	62,300.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
Component 3: Institutional Capacity Building, Monitoring, and Project Management				
► Number of research and study programs (by topic) conducted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	5.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Number of workshops organized (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	5.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
► Project staff and beneficiaries trained (person days) (Days, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,720.00	4,903.00	19,300.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024



<input type="checkbox"/> Number of beneficiaries trained --Female (person days) (Days, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	920.00	1,437.00	5,790.00
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
<input type="checkbox"/> Number of project management staff trained (person days) (Days, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	810.00	1,320.00	2,100.00
<input checked="" type="checkbox"/> Project monitoring system established and put into operation (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jul-2018	31-Dec-2019	30-Jun-2020	30-Jun-2024
Comments:	It is expected that the project monitoring system will be established by December 2020.			

Performance-Based Conditions

Data on Financial Performance

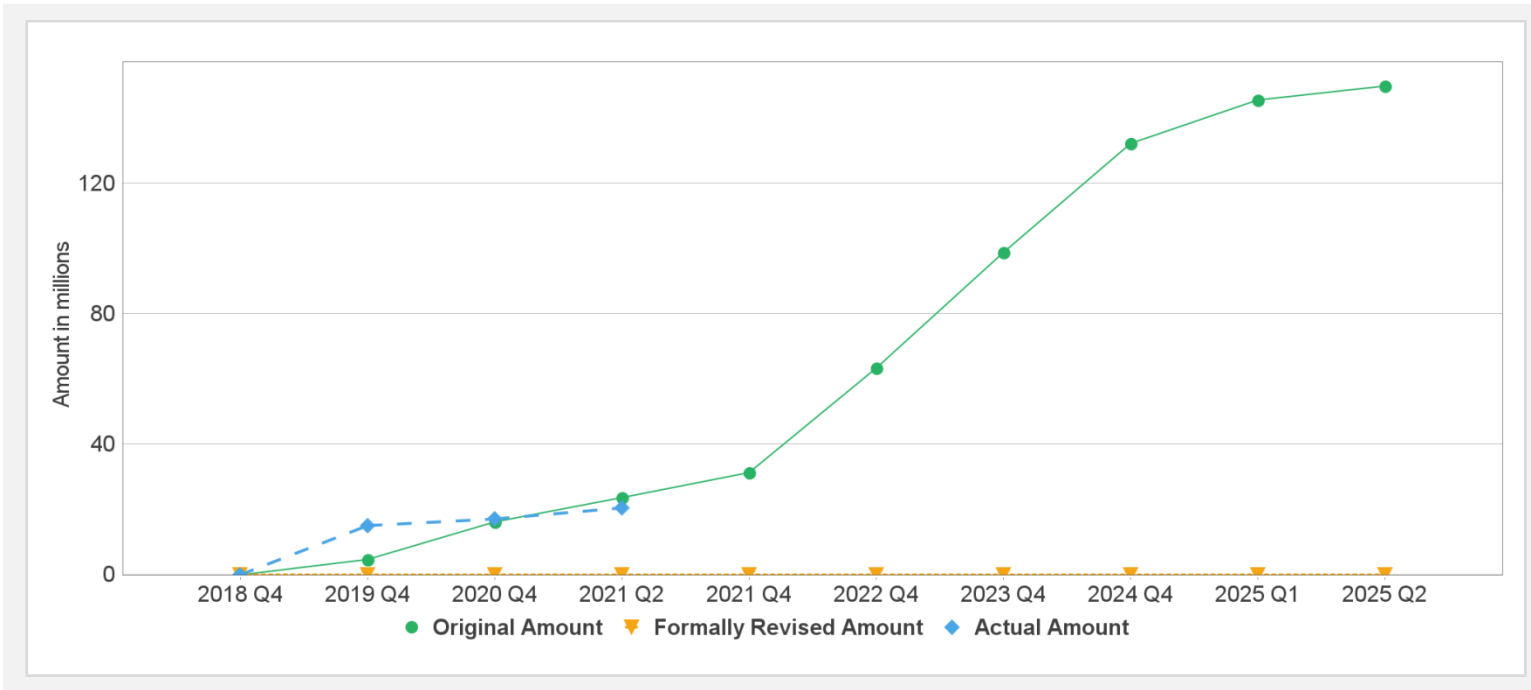
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P159870	IBRD-88560	Effective	USD	150.00	150.00	0.00	20.90	129.10	14%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P159870	IBRD-88560	Effective	06-Jun-2018	10-Aug-2018	26-Nov-2018	30-Jun-2024	30-Jun-2024

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.