

PMR Public Report

Operation Number	BL-L1028	Chief of Operations Validation Date	10/15/21
Year- PMR Cycle	First period Jan-Jun 2021	Division Chief Validation Date	
Last Update	10/03/21	Country Representative Validation Date	
PMR Validation Stage	Validated by Chief of Operations		

Basic Data

Operation Profile

Operation Name	Climate Vulnerability Reduction Program	Loan Number	4426/OC-BL
Executing Agency	Ministry of Works	Sector/Subsector	ENVIRONMENT AND NATURAL DISASTERS-CLIMATE CHANGE ADAPTATION POLICY
Team Leader	SUAREZ VAZQUEZ, GINES	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	Belize
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	BELIZE		

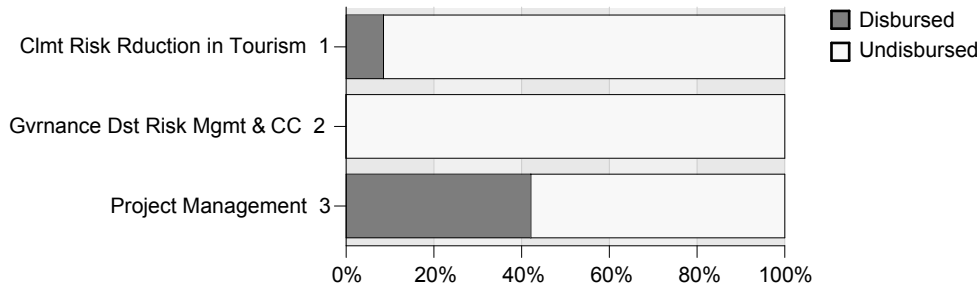
Environmental and Social Safeguards

Impacts Category	B	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating	Satisfactory	Date of approval	
Safeguard Performance Rating - Rationale	The operation has an Environmental and Social Management Plan (ESMP) and a Livelihood Restoration Plan (LRP). The Ministry of Infrastructure, Development and Housing (MIDH), which has experienced environmental and social specialists, is implementing adequately the ESMP and LRP, that was expanded and improved with Bank support during 2020. Although some documentation needs to be updated, both plans are being carried out in accordance with the Bank's standards and requirements.		

Financial Data

Item	Total Cost and Source				Available Funds (US\$)				
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
BL-L1028	10,000,000	10,000,000	0	0	10,000,000	10,000,000	4,013,372	40.13%	5,986,628
Aggregated	10,000,000	10,000,000	0	0	10,000,000	10,000,000	4,013,372	40.13%	5,986,628

Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

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RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 0: Climate vulnerability and risk reduced

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
0.0	Reduction of household annual economic losses caused by recurrent floods in the Orange St. area	% change	0.00	2018	2022	P	100.00
						A	

Details

Means of verification: Baseline and follow-up surveys for ex ante economic analysis and impact evaluation

Observations: Economic losses caused by floods represent the economic vulnerability to floods. They include the disaster effects on physical assets and economic flows and consider comparable recurrent events (1-5 years).

Pro-Gender No **Pro-Ethnicity** No

The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO) No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
0.1	Reduction of household annual economic losses caused by recurrent floods in Caye Caulker	% change	0.00	2018	2022	P	100.00
						A	

Details

Means of verification: Baseline and follow-up surveys for ex ante economic analysis and impact evaluation

Observations: Economic losses caused by floods represent the economic vulnerability to floods. They include the disaster effects on physical assets and economic flows and consider comparable recurrent events (1-5 years).

Pro-Gender No **Pro-Ethnicity** No

The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO) No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
0.2	Reduction of projected losses of overnight visitor	% change	0.00	2018	2022	P	12.00

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RESULTS MATRIX

General Development Objectives

0.2	expenditures in Belize City	% change	0.00	2018	2022	A	
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Details

Means of verification: Risk assessment model for Belize City, adjusted with baseline and follow-up survey data for ex ante economic analysis and impact evaluation, and data from The Belize Tourism Board

Observations: The intervention will result in avoided visitor expenditure losses.

Pro-Gender No **Pro-Ethnicity** No

The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO) No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
0.3	Reduction of projected losses of overnight visitor expenditures in Caye Caulker	% change	0.00	2018	2022	P	12.00
						A	

Details

Means of verification: Risk assessment model for Caye Caulker, adjusted with baseline and follow-up survey data for ex ante economic analysis and impact evaluation, and data from The Belize Tourism Board

Observations: The intervention will result in avoided visitor expenditure losses.

Pro-Gender No **Pro-Ethnicity** No

The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO) No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
0.4	Decrease in the annual disaster mortality rate in Belize City	% change	0.00	2018	2022	P	3.00
						A	

Details

Means of verification: Statistical Institute of Belize and National Emergency Management Office

Observations: Expected decrease based on estimates by Guerrero, Salazar and Lacambra (2017).

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General Development Objectives

Pro-Gender	No	Pro-Ethnicity	No
The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO)	No		

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RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives Nbr. 0: Mitigation of risk for residents

Observation:

Indicator	Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
0.0	Reduction of people affected by recurrent floods in the Orange St. area.	# of beneficiaries	0.00	2018	P	7,079.00
					A	

Details

Means of verification: Risk assessment model for Belize City, adjusted with baseline and follow up surveys information for ex ante economic analysis and impact evaluation

Observations: People affected by floods represent the human vulnerability to floods. People affected include injured, evacuated, relocated, with houses and its assets being damaged or destroyed, or requiring emergency assistance and considers comparable recurrent events (1-5 years).

Pro-Gender No **Pro-Ethnicity** No

Indicator	Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
0.1	Reduction of people affected by recurrent floods in Caye Caulker.	# of beneficiaries	0.00	2018	P	144.00
					A	

Details

Means of verification: Risk assessment model for Caye Caulker, adjusted with baseline and follow-up surveys information for ex ante economic analysis and impact evaluation

Observations: People affected by floods represent the human vulnerability to floods. People affected include injured, evacuated, relocated, with houses and its assets being damaged or destroyed, or requiring emergency assistance and considers comparable recurrent events (1-5 years).

Pro-Gender No **Pro-Ethnicity** No

Specific Development Objectives Nbr. 1: Enhanced tourism

Observation:

Indicator	Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
1.0	Tourist satisfaction in Palapa Beach (Caye Caulker) and Goff's Caye	# of score	59.00	2018	P	67.00
					A	

Details

Means of verification: Baseline and follow up surveys for the ex ante economic analysis and impact evaluation and Goff's Caye Visitor Satisfaction Survey Report

Observations: Score is the percentage of respondents who answered that the overall satisfaction of the site/reef is high.

Pro-Gender No **Pro-Ethnicity** No

Specific Development Objectives Nbr. 2: Improved government performance in disaster risk governance

Observation:

Indicator	Unit of	Baseline	Baseline		2022	EOP 2022
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Specific Development Objectives

		Measure		Year		
2.0	Government agencies benefited by projects that strengthen technological and managerial tools to improve public service delivery	# of government agencies	0.00	2018	P	5.00
					A	

Details

Means of verification: Semiannual progress reports

Observations: The Ministry of Works (MoW), the Ministry of Tourism and Civil Aviation (MTCA), the Climate Change Office (NCCO), the National Emergency Management Office (NEMO) and the Coastal Zone Management Authority and Institute (CZMAI) will be the target agencies. The MoW will execute the investments of Component 1, and the MoW, MTCA and CZMAI will be the users of the Climate Risk Information System, building codes and financial protection strategy.

Pro-Gender No **Pro-Ethnicity** No

Indicator	Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
2.1	Improvement in iGOPP Financial Protection component	% increase	0.00	2018	P	12.50
					A	

Details

Means of verification: iGOPP report for Belize; follow-up iGOPP estimation after completion of the program

Observations: The current value of the financial protection index is 8% and with the intervention it's expected that the indicator FP-2-15 (Does the Ministry of Agriculture have a structure for the financial protection of the agriculture sector (or equivalent) against disaster risk?) will be fulfilled and the sub-index will reach a value of 9% (increase 12.5%). Improvement derives from actions not financed by the project but attributable to the intervention.

Pro-Gender No **Pro-Ethnicity** No

Indicator	Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
2.2	Improvement in iGOPP's Risk Identification component	% increase	0.00	2018	P	62.50
					A	

Details

Means of verification: iGOPP report for Belize; follow-up iGOPP estimation after completion of the program

Observations: The current value of the risk identification index is 8% and with the intervention it's expected that the indicator IR-1A-3 (Are there regulations ordering the creation and maintenance of Information Systems for Disaster Risk Management?) against disaster risk?) will be fulfilled and the sub-index reach a value of 13% (increase 62.5%). Improvement derives from actions not financed by the project but attributable to the intervention.

Pro-Gender No **Pro-Ethnicity** No

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Climate risk reduction in the tourism sector

Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
			2021	EOP 2022	2021	EOP 2022
1.1 Flood reduction investment works in Belize City, executed	# Project sites	P	1	6	2,645,363	6,761,020
		P(a)	3	6	3,189,643	6,761,020
		A	2	3	387,089	1,720,381
1.2 Coastal protection hybrid and nature-based infrastructure in Caye Caulker, implemented	# of structures	P	1	1	31,156.25	443,700
		P(a)	0	1		443,700
		A	0	0	0	0
1.3 Coastal protection intervention and tourism enhancement in Goff's Caye, implemented	# of structures	P	1	1	39,856.25	617,700
		P(a)	0	1	100,000	617,700
		A	0	0	0	0
1.4 Management plans approved	Plans (#) approved	P	0	2	0	417,341
		P(a)	0	2	417,341	417,341
		A	0	0	0	0

Component Nbr. 2 Governance for disaster risk management and climate change adaptation

Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
			2021	EOP 2022	2021	EOP 2022
2.1 Climate Risk Information System in operation	accomplishment of milestone	P	1	1	143,472	478,241
		P(a)	0	1	334,769	478,241
		A	0	0	0	0
2.2 Tourism and land use building codes incorporating nature-based solutions approved	proposal document submitted	P	0	1	0	70,000
		P(a)	1	1	70,000	70,000
		A	0	0	0	0
2.3 Climate Risk Financial Strategy for the Agricultural and Tourism Sectors	proposal document and 5 year operational plan submitted	P	1	1	21,000	70,000
		P(a)	1	1	49,000	70,000
		A	0	0	0	0

Other Cost

Technical Unit	P			282,010	926,998
	P(a)			282,010	926,998
	A			35,350	455,321
Annual Evaluations and Audits	P			30,000	215,000
	P(a)			55,000	215,000
	A			0	16,583

Total Cost

Total Cost	P			3,192,857.5	10,000,000
	P(a)			4,497,763	10,000,000
	A			422,439	2,192,285

CHANGES TO THE MATRIX

No information available for this section

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status	Risk Taxonomy			
1	Inactive	Environmental and Social Safeguards			
	Response actions				
	1.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>INACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	INACTIVE				
2	Inactive	Environmental and Social Safeguards			
	Response actions				
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Management Strategy	Status				
MITIGATE	INACTIVE				
3	Active	Environmental and Social Safeguards			
	Response actions				
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MITIGATE	ACTIVE				
4	Active	Environmental and Social Safeguards			
	Response actions				
	4.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>ACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	ACTIVE				
5	Active	Governance Framework			
	Response actions				
	5.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>ACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	ACTIVE				

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status	Risk Taxonomy	
6	Active	Environmental and Social Safeguards	
	Response actions		
	6.1	Management Strategy	Status
		MITIGATE	ACTIVE
7	Active	Human Resources	
	Response actions		
	7.1	Management Strategy	Status
		MITIGATE	ACTIVE
8	Active	Sustainability	
	Response actions		
	8.1	Management Strategy	Status
		MITIGATE	ACTIVE
9	Active	Environmental and Social Safeguards	
	Response actions		
	9.1	Management Strategy	Status
		MITIGATE	ACTIVE
10	Active	Environmental and Social Safeguards	
	Response actions		
	10.1	Management Strategy	Status
		MITIGATE	ACTIVE

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status	Risk Taxonomy			
11	Active	Environmental and Social Safeguards			
	Response actions				
	11.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>ACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	ACTIVE				
12	Inactive	Political Environment			
	Response actions				
	12.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>INACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	INACTIVE				
13	Active	Internal Processes			
	Response actions				
	13.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>ACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	ACTIVE				
14	Active	Internal Processes			
	Response actions				
	14.1	<table border="1"> <thead> <tr> <th>Management Strategy</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>MITIGATE</td> <td>ACTIVE</td> </tr> </tbody> </table>	Management Strategy	Status	MITIGATE
Management Strategy	Status				
MITIGATE	ACTIVE				
15	Inactive	Internal Processes			
	Response actions				
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Management Strategy	Status				
MITIGATE	INACTIVE				

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories

Others - Technical-Sectorial Dimensions