

PMR Public Report

Operation Number	BH-L1043	Chief of Operations Validation Date	04/15/21
Year- PMR Cycle	Second period Jan-Dec 2020	Division Chief Validation Date	04/22/21
Last Update	04/15/21	Country Representative Validation Date	04/29/21
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Climate Resilient Coastal Mangement and Infrastructure Program	Loan Number	4363/OC-BH
Executing Agency	MINISTRY OF PUBLIC WORKS	Sector/Subsector	ENVIRONMENT AND NATURAL DISASTERS-COASTAL ZONE MANAGEMENT
Team Leader	HORI, TSUNEKI	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	Bahamas
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	THE COMMONWEALTH OF THE BAHAMAS		

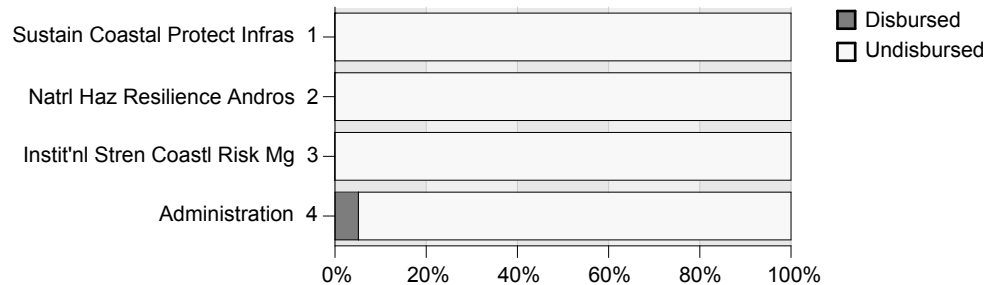
Environmental and Social Safeguards

Impacts Category	B	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating		Date of approval	
Safeguard Performance Rating - Rationale			

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
BH-L1043	35,000,000	35,000,000	0	0	35,000,000	35,000,000	1,028,166.68	2.94%	33,971,833.32
Aggregated	35,000,000	35,000,000	0	0	35,000,000	35,000,000	1,028,166.68	2.94%	33,971,833.32

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.

PMR Public Report

RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 1: Social resilience to coastal hazard events in New Providence, Eastern Grand Bahama, Central Long Island and Andros increased

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.1	People injured, evacuated, relocated, with houses being damaged or destroyed, or requiring emergency assistance due to storms and floods over a three-year period.	# of beneficiaries	6,710.00	2014	2024	P	6,370.00
						A	

Details

Means of verification: DesInventar

Observations: This is a lower-bound 2014-2016 estimate as it currently includes data from large-scale disasters only. It will be updated yearly through new DesInventar records as they become available

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

Female	P	
	A	
Male	P	
	A	

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.1	Economic losses caused by storms and floods over a three-year period.	USD millions of 2015	543.00	2018	2024	P	516.00
						A	

Details

Means of verification: DesInventar

Observations: This is a lower-bound 2014-2016 estimate as it currently includes data from large-scale disasters only. It will be updated yearly through new DesInventar records as they become available

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

The General Development objective indicator target is expected to be observed by No

PMR Public Report

RESULTS MATRIX

General Development Objectives

the operation's "Fully Justified" date inConvergence (CO)

General Development Objectives Nbr. 2: Environmental resilience to coastal hazard events in New Providence, Eastern Grand Bahama, Central Long Island and Andros maintained or increased
Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.1	People exposed to reduced coastal risk due to attenuation of waves, erosion and flooding by coral reefs, mangroves and seagrasses.	# of beneficiaries	4,610.00	2015	2024	P	4,953.00
						A	

Details

Means of verification: INVEST Coastal Vulnerability Model

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

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

	Female				P	
					A	
	Male				P	
					A	

PMR Public Report

RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 3: Economic resilience to coastal hazard events in New Providence increased

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
3.1	Total cruise ship tourism expenditures in Nassau and Paradise Island	USD millions of 2015	1,109.00	2015	2024	P	1,192.00
						A	

Details

Means of verification: Department of Statistics, GOBH

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

PMR Public Report

RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives Nbr. 1: Component 1. Sustainable coastal protection infrastructure

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
1.1	Terrestrial and marine protected areas with improved coastal zone management in EGB	hectares	0.00	2017	P							48,764.62	48,764.62
					A			0.00					

Details

Means of verification: Data from The Bahamas National Trust (BNT)

Observations: The definition of this indicator is total terrestrial and marine area that is designated as a protected area and is managed systematically with effective measures by the government. See M&E plan for details

Pro-Gender	No	Pro-Ethnicity	No		2018	2019	2020	2021	2022	2023	2024	EOP 2024
	Forest and forest dominated	P										
		A										
	Wetlands and freshwater systems	P										
		A										
	Coastal and marine	P										
		A										

Indicator		Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
1.2	# of households with improved road access to Freeport due to flood reduction in EGB	# of households	0.00	2017	P							77.00	77.00
					A			0.00					

Details

Means of verification: Data from the Department of Statistics (statistical office in Freeport)

Observations: See M&E plan for details

Pro-Gender	No	Pro-Ethnicity	No		2018	2019	2020	2021	2022	2023	2024	EOP 2024

Indicator		Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
1.3	# of people visiting the beaches and harbor area in New Providence	Visitors (#)	3,266,353.00	2017	P							3,985,280.00	3,985,280.00
					A			0.00					

Details

Means of verification: Data from The Bahamas Ministry of Tourism

Observations: See M&E plan and Economic Assessment Report for details

PMR Public Report

RESULTS MATRIX

Specific Development Objectives

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

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
1.4	Households protected from flood risk (#) in Central Long Island	# of households	0.00	2017	P						328.00	328.00
					A			0.00				

Details

Means of verification: Data from the Department of Statistics

Observations: See M&E plan for details

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

Specific Development Objectives Nbr. 2: Component 2. Natural infrastructure for hazard resilience in Andros

Observation:

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
2.1	# of people in the local communities participating in the designing, monitoring and maintenance of the nature based solution	People (#)	0.00	2017	P						220.00	220.00
					A			0.00				

Details

Means of verification: Community workshop reports

Observations: See M&E plan for details

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

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
2.2	Coastline where coastal risk is reduced based on the protection provided by natural habitat	Shoreline coverage (%)	71.00	2018	P						71.00	71.00
					A			0.00				

Details

Means of verification: InVEST Coastal Vulnerability Model

Observations: Baseline is the share of Andros coastline where coastal habitats reduce risks from waves, flooding and erosion in 2015. National estimates will be provided for both baseline and end-of-project years in the ex-post impact evaluation

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

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
2.3	% of women participating in the designing, monitoring and maintenance of the nature based solution.	Women (%)	51.00	2018	P						61.00	61.00
					A			0.00				

PMR Public Report

RESULTS MATRIX

Specific Development Objectives

Details												
Means of verification: Community workshop reports												
Observations: Gender tracking See M&E plan for the EOI value calculation used for this indicator												
Pro-Gender No			Pro-Ethnicity						No			

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
2.4	Amount of CO2 captured by restored mangrove	Volume (tons)	0.00	2018	P						28,800.00	28,800.00
					A			0.00				

Details												
Means of verification: Data (Mangrove restoration area) from BNT												
Observations: See M&E plan for the CO2 calculation model used for this indicator												
Pro-Gender No			Pro-Ethnicity						No			

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
2.5	Beneficiaries of improved management and sustainable use of natural capital	# of beneficiaries	0.00	2018	P						9,221.00	9,221.00
					A			0.00				

Details												
Means of verification: Data from the Department of Statistics												
Observations: See M&E plan for the EOI value calculation used for this indicator												
Pro-Gender No			Pro-Ethnicity						No			

	Male					P						
						A						
	Female						P					
							A					

Specific Development Objectives Nbr. 3: Component 3. Institutional strengthening for coastal risk management

Observation:

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	2024	EOP 2024
3.1	Government agencies benefited by projects that strengthen technological and managerial tools to improve public service delivery (#)	Government agencies (#)	0.00	2017	P						1.00	1.00
					A			0.00				

Details												
Means of verification: Semiannual progress reports												

PMR Public Report

RESULTS MATRIX

Specific Development Objectives

Observations: MOWUD as the government agency will be the target agency. "strengthen technological and managerial tools to improve public service delivery" refers to the accomplishment of: - Coastal Program Management Unit (CPU) in operation (output 3.1) - Coastal Hazard monitoring in operation (output 3.2) - Sustainable finance study developed and approved (output 3.3) See M&E plan for details

Pro-Gender

No

Pro-Ethnicity

No

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Component # 1: Sustainable coastal protection infrastructure

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2024	2020	EOP 2024
1.1	Output 1.1.1: Baseline study at East Grand Bahama completed	Studies (#)	P		1	200,000	447,000
			P(a)		1		447,000
			A		0		0
1.2	Output 1.1.2: Detailed infrastructure design at East Grand Bahama completed	Design work document (#)	P		1		50,000
			P(a)		1		50,000
			A		0		0
1.3	Output 1.1.3: Coastal protection natural infrastructure at EGB implemented	Project sites (#)	P		2		60,000
			P(a)		2	15,000	60,000
			A		0	0	0
1.4	Output 1.1.4: Coastal protection (structural solutions) infrastructure at EGB implemented	Households (#)	P		2		1,943,000
			P(a)		2		1,943,000
			A		0		0
1.5	Output 1.2.1: Baseline study in New Providence completed	Project sites (#)	P		1		1,172,400
			P(a)		1	0	1,172,400
			A		0	0	0
1.6	Output 1.2.2: Detailed Infrastructure design in New Providence completed	Design work Document (#)	P		1		400,000
			P(a)		1	0	400,000
			A		0	0	0
1.7	Output 1.2.3: Coastal protection hard infrastructure in New Providence implemented	Types of Structure measures (#)	P		2		6,427,600
			P(a)		2		6,427,600
			A		0		0
1.8	Output 1.2.4: Harbor protection measures in New Providence implemented	Structure measures (#)	P		2		10,000,000
			P(a)		2		10,000,000
			A		0		0
1.9	Output 1.3.1: Baseline study in Central Long Island completed	Studies (#)	P		1	100,000	700,000
			P(a)		1		700,000
			A		0		0
1.10	Output 1.3.2: Detailed infrastructure design in Central Long Island completed	Design work document (#)	P		1		150,000
			P(a)		1		150,000
			A		0		0
1.11	Output 1.3.3: Coastal flood reduction infrastructure in Central Long Island implemented	Project sites (#)	P		4		2,150,000
			P(a)		4		2,150,000
			A		0		0

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 2 Component # 2: Natural infrastructure for hazard resilience in Andros

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2024	2020	EOP 2024
2.1	Output 2.1: Baseline study to inform selection of priority sites for demonstration projects in Andros completed	Studies (#)	P		1	100,000	200,000
			P(a)	0	1	0	200,000
			A	0	0	0	0
2.2	Output 2.2: Stakeholder validation workshops in each district executed	Workshops (#)	P		4		10,000
			P(a)		4		10,000
			A		0		0
2.3	Output 2.3: Site specific assessment for nature-based intervention completed	Assessment document (#)	P		4		700,000
			P(a)		4	100,000	700,000
			A		0	0	0
2.4	Output 2.4: Coastal ecosystems restoration implemented	hectares	P		200		2,050,000
			P(a)		200	375,000	2,050,000
			A		0	0	0
2.5	Output 2.5: Communication and community participation plan for project sustainability completed	Planning document (#)	P		1		40,000
			P(a)		1	10,000	40,000
			A		0	0	0

Component Nbr. 3 Component III: Institutional strengthening for coastal risk management

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2024	2020	EOP 2024
3.1	Output 3.1: Coastal Program Management Unit (CPU) in operation	Accomplishment of milestone (#)	P		6		1,600,000
			P(a)		6		1,600,000
			A		0		0
3.2	Output 3.2: Coastal Hazard monitoring in operation	Accomplishment of milestone (#)	P		3		980,000
			P(a)		3		980,000
			A		0		0
3.3	Output 3.3: Sustainable finance study developed and approved	Study document (#)	P		1		920,000
			P(a)		1		920,000
			A		0		0

Other Cost

Contingencies	P				3,000,000
	P(a)				3,000,000
	A				0
Program Implementation Unit	P				1,500,000
	P(a)			250,000	1,500,000
	A			250,000	550,000
Financial Audits	P				200,000
	P(a)				200,000
	A				0
Evaluation and Monitoring	P				300,000
	P(a)				300,000
	A				0

Total Cost

Total Cost	P			400,000	35,000,000
	P(a)			750,000	35,000,000

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

	Total Cost	A			250,000	550,000
--	------------	---	--	--	---------	---------

PMR Public Report

CHANGES TO THE MATRIX

Section	Name	Type of Change	Subtype	Modified By	Entered in the System
General Development Objective	People exposed to reduced coastal risk due to attenuation of waves, erosion and flooding by coral reefs, mangroves and seagrasses.	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	People injured, evacuated, relocated, with houses being damaged or destroyed, or requiring emergency assistance due to storms and floods over a three-year period.	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
Output	Output 1.1.3: Coastal protection natural infrastructure at EGB implemented	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Output 1.1.4: Coastal protection (structural solutions) infrastructure at EGB implemented	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Output 1.2.3: Coastal protection hard infrastructure in New Providence implemented	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Output 1.2.4: Harbor protection measures in New Providence implemented	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Output 1.3.3: Coastal flood reduction infrastructure in Central Long Island implemented	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Output 2.4: Coastal ecosystems restoration implemented	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
Specific Development Objective	# of households with improved road access to Freeport due to flood reduction in EGB	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Beneficiaries of improved management and sustainable use of natural capital	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Households protected from flood risk (#) in Central Long Island	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	TSUNEKIH	03/26/2021
	Terrestrial and marine protected areas with improved coastal zone management in EGB	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	LMIRANDA	03/25/2021

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories

Acquisitions and Procurement - Bidding Stage