

Results Matrix

Outcomes

Outcome:	1 Increase in carbon storage, coastal protection, and marine habitat.
Indicators	Flags* Unit of Measure Baseline Baseline Year Means of verification EOP
1.1 Hectares of mangrove habitat where deforestation and degradation have been avoided or restoration has occurred.	number 0.00 2020 GIS Maps of intervention areas
Outcome:	2 Increase in knowledge on the value of ecosystem services in Panama's mangroves
Outcome:	3 Increase in government's capacity to administer mangrove conservation initiatives

CRF Indicator

Outputs: Annual Physical and Financial Progress

1.1. Deliver robust science to establish a blue carbon baseline in Panama's mangroves						Physical Progress					Financial Progress					Theme	Fund	Flags			
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP						
1.1 Virtual platforms designed	Online platform developed with mangrove cover analysis and maps	Platforms (#)	0	2020	Screenshots of platform	P	0	0	1	0	1	P	100000	200000		0	300000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)			1		1	P(a)				0					
						A						A									
1.2 New databases created	Baseline data set on natural capital value of mangrove ecosystems and carbon storage ecosystem services developed	Databases (#)	0	2020	Database outputs uploaded	P	0	0	0	1	1	P	300000	500000			800000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)				1	1	P(a)					0				
						A						A									
1.3 Working Papers prepared	Report on carbon markets and sustainable blue carbon financing submitted and	Papers (#)	0	2020	Paper published	P	0	0	0	1	1	P	0	0	0	40000	40000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)				1	1	P(a)					0				
						A						A									
2.2. Establish economic valuation of mangrove ecosystem services						Physical Progress					Financial Progress					Theme	Fund	Flags			
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP						
2.1 New databases created	Community based ecosystem use analysis data base developed	Databases (#)	0	2020	Data Base	P	0	0	1	0	1	P	0	0	106000	0	106000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)			1		1	P(a)					0				
						A	0				0	A	0				0				
2.2 Workshops organized	Workshop to socialize natural capital analysis completed	Workshops (#)	0	2020	Workshop Agenda and participants list	P	0	1	1	1	3	P	0	30000	31000	30000	91000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
2.3 Technical notes created	White paper documenting ecosystem values and services developed and disseminated	Notes (#)	0	2020	Technical Note Reports	P	0	0	1	0	1	P	0	35000	35000	0	70000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)			1		1	P(a)					0				
						A	0				0	A	0				0				
2.4 Action plans designed	Conservation plan for Bay of Parita developed	Action Plans (#)	0	2020	Action Plan reports	P	0	0	1	0	1	P	0	60000	45000	0	105000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)			1		1	P(a)					0				
						A	0				0	A	0				0				
3.3. Build knowledge, awareness and engagement with key stakeholders to drive action that increases protection of coastal wetlands						Physical Progress					Financial Progress					Theme	Fund	Flags			
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP						
3.1 Project implementation unit established	12 Environmental Educators are trained and hired in the Aulas Verdas Program (PMU) for the duration of the project	PIUs (#)	0	2020	Organizational chart of PMU	P	0	1	0	0	1	P	35000	35000	35000	10000	115000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1			1	P(a)					0				
						A						A	0				0				
3.2 Workshops organized	Public meeting and workshops targeting NGO's and CBO's involved in mangrove conservation	Workshops (#)	0	2020	Agendas and registration lists	P	0	1	1	1	3	P	0	30000	30000	30000	90000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
3.3 Awareness raising campaigns designed/implemented	National communications strategy completed	Campaigns (#)	0	2020	Communications materials	P	0	1	1	1	3	P	0	40000	40000	40000	120000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
3.4 Conferences organized	World Mangrove Day national symposium organized	Conferences (#)	0	2020	Agendas and registration lists	P	0	1	1	1	3	P	0	20088	20000	20600	60688	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
3.5 Virtual platforms designed	Short informational video on the environmental impacts of plastics and other pollutants in	Platforms (#)	0	2020	Platform documented	P	0	0	1	0	1	P	0	40000	60000	0	100000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)			1		1	P(a)					0				
						A	0				0	A	0				0				
3.6 Exhibits organized	Community mural art competition showcasing scenes of mangrove conservation held each	Exhibits (#)	0	2020	Programs and photos of exhibits	P	0	1	1	1	3	P	0	40000	30000	33000	103000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
3.7 Participants in intraregional exchange receiving advisory services	Number of NGO's and CBO's involved in conservation program activities increased.	Individuals (#)	0	2020	agendas and lists of participants	P	0	0	0	1	1	P		10000	10000	10000	30000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)				1	1	P(a)					0				
						A						A									
4.4. Support and strengthen policies that incentivize mangrove conservation and restoration						Physical Progress					Financial Progress					Theme	Fund	Flags			
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP						
4.1 Environmental impact assessment completed	Environmental impact assessment completed and publication on impacts of plastics on mangrove ecosystems developed	Assessments (#)	0	2020	Reports	P	0	0	1	0	1	P	60000	80000	54332	0	194332	Biodiversity and Ecosystem Conservation	BLU		
						P(a)			1		1	P(a)					0				
						A	0				0	A	0				0				
4.2 Seminars organized	Symposium to teach the public about impacts of plastics on mangroves and mangrove	Seminars (#)	0	2020	Agendas	P	0	1	1	1	3	P	0	30000	30000	37500	97500	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
4.3 Tools designed/strengthened	Birds as indicators of carbon and ecosystem health methodology established and field work completed	Tools (#)	0	2020	Tools/policies submitted	P	0	1	1	1	3	P	0	60000	68000	60000	188000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)		1	1	1	3	P(a)					0				
						A	0				0	A	0				0				
4.4 Policies designed	Government policy documents on sustainable governance of mangroves completed	Policies (#)	0	2020	Policies drafted	P	0	0	0	1	1	P	0	0	30000	0	30000	Biodiversity and Ecosystem Conservation	BLU		
						P(a)				1	1	P(a)					0				
						A						A									
4.5 PPP organizational set-up completed	Public / Private coalition of mangrove conservation stakeholders built.	Plans (#)	0	2020	organigram submitted	P	0	0	0	1	1	P		10000	0	0	10000	Sustainable Energy and Climate Change	BLU		
						P(a)				1	1	P(a)					0				
						A						A									

Other Cost
Consulting Firm Services- Coordination and Staffing

	2019	2020	2021	2022	2023	Cost
P	\$0.00	\$105,373.00	\$105,373.00	\$105,374.00		\$316,120.00
P(a)						\$0.00
A	\$0.00					\$0.00

Total Cost

	2019	2020	2021	2022	2023	Total Cost
P		\$600,373.00	\$1,325,461.00	\$729,706.00	\$311,100.00	\$2,966,640.00
P(a)						
A						

CRF Indicator

Standard Output Indicator