

The Belize Marine Fund

OBJECTIVE

To provide financial sustainability for addressing high-priority marine resources management and conservation issues in Belize for greater impact throughout the Mesoamerican Reef Eco-region





Desired Impact

Improved status of marine resources in Belize, contributing towards increased health and resilience of the Mesoamerican reef, strengthening ecosystem services for the benefit of all stakeholders.

Investments 2017 - 2023



The Belize Marine Fund has invested US\$1,797,919 in supporting initiatives that strengthen marine conservation outcomes in Belize

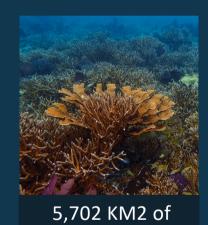


The Belize Marine Fund has funded 63 projects, to achieve the outcomes and impacts identified in the BMF's strategic Theory of Change



The Belize Marine Fund has partnered with 27 organizations in the implementation of marine conservation initiatives across Belize

Where our partners work



protected area









ESTABLISHMENT OF THE BELIZE MARINE FUND

In November 2016, the Belize Marine Fund (BMF) was established as a program within the Mesoamerican Reef Fund (MAR Fund), for the provision of financing to address high-priority marine resource management and conservation issues in Belize for greater impact throughout the Mesoamerican Reef Eco-region.

The BMF investments are guided by the Strategic Investment Strategy towards achieving the improved status of marine resources in Belize, contributing towards increased health and resilience of the Mesoamerican reef, while strengthening ecosystem services for the benefit of all stakeholders.

From 2017 – 2023, the BMF invested a total of US\$1,797.919.00 in 63 projects, supporting a total of 27 grantee organizations. This has been through targeted, small and discretionary grants based on prioritised thematic areas.

TARGETED GRANTS

Concept notes are submitted on a rolling basis based on the needs of the marine protected areas system, aligned with the Strategic Investment Plan, and require larger investments than the small grants

SMALL GRANTS

Proposals are submitted through an annual request for proposals that places a cap of US\$30,000 on each grant

DISCRETIONARY GRANTS

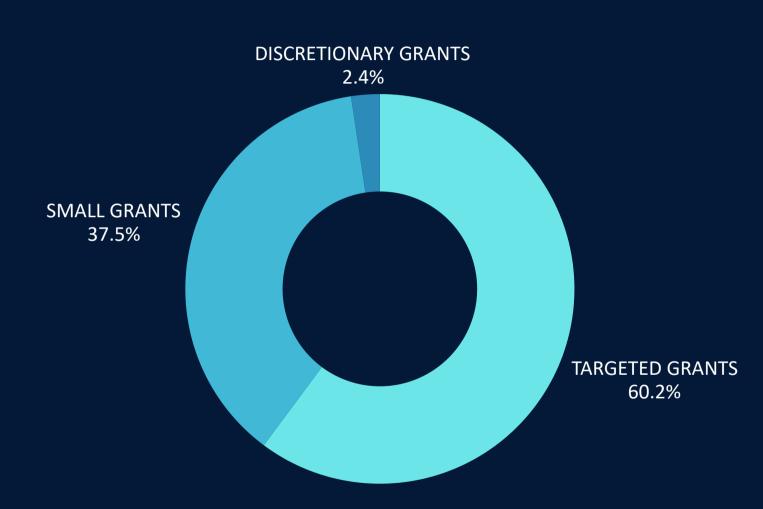
Grants to address specific needs for marine resource stakeholders as they occur, such as capacity building, and replacement of equipment

BELIZE MARINE FUND INVESTMENTS 2017 - 2023

TARGETED GRANTS
23 PROJECTS
US\$1,081,852

SMALL GRANTS
23 PROJECTS
US\$673,362

DISCRETIONARY GRANTS
17 PROJECTS
US\$42,705



BELIZE MARINE FUND THEMATIC AREAS

Initiatives supported by the BMF have spanned the three thematic areas of the program's Strategic Plan

Thematic Area 1: Effective Marine Protected Areas Contributing Towards a Functional National Protected Areas System

Thematic Area 2: Reduced Pressures on the Marine Resources

Thematic Area 3: Effective Marketing of Belize's Reef at National and International Levels.

BELIZE MARINE FUND INVESTMENTS 2017 - 2023

THEMATIC AREA 1
Effective Marine Protected
Areas

15 Projects

US\$542,933

THEMATIC AREA 2
Reduced Pressures on the
Marine Environment

18 Projects

US\$649,689

THEMATIC AREA 3 Improved stewardship and awareness of the Belize Reef

28 Projects

US\$554,097

CROSS CUTTING

2 Projects

US\$51,200

Thematic Area 1: Effective Marine Protected Areas Contributing Towards a Functional National Protected Areas System

The majority of the *Thematic Area 1: Marine Protected Area* grants were focused on the strategy 'Contribute towards ensuring MPAs meet critical operational, equipment and infrastructure costs for tangible long-term conservation impacts on the ground', providing critical support for marine protected area operations towards improved management effectiveness.

This includes leveraging support for scientific exploration in the Cayman Crown area to lay the groundwork for the expansion of Sapodilla Cayes Marine Reserve, to include this critical reef ecosystem. As with many investments, the Belize Marine Fund has been able to catalyze or be matched by other funders, including MARFund, providing organizations such as TIDE with a critical starting point to build on to achieve larger objectives and outcomes.

Investment in the Wildlife Conservation Society's work on the establishment and management of the high seas' expansion zones towards meeting Belize's 30x30 target and greater information on the deep-sea fish is considered to be instrumental as a model for ensuring the protection and conservation of important deep-sea marine spaces.

Support of the National Protected Areas System Management Effectiveness Evaluation in 2019 ensured the inclusion of marine reserves in the assessment and provided a baseline for MPA management effectiveness, one of the critical indicators for the Belize Marine Fund Investment Strategy.

Investments in the Turneffe Atoll Sustainability Association (TASA) and the Sarteneja Alliance for Conservation and Development (SACD) focused on the development of financial sustainability mechanisms for these organizations. In the case of TASA, BMF's support for the updating of the Turneffe Atoll Marine Reserve management plan and development of a business plan (with partnership support from the Summit Foundation), provided the basis and leverage for an impact investment project for implementation of the plan. Whereas, SACD worked to construct its Tourism Expedition Hosting Facility (TEHF) as a critical component of community tourism development in Sarteneja, and to strengthen the financial sustainability of SACD.



Number of investments supported under Thematic Area 1



Leading by Example: Sustainable Tourism

Development in Corozal Bay Wildlife

Sanctuary, a role model for Belize!

Find out more

THEMATIC AREA 1: Effective Marine Protected Areas Contributing Towards a Functional National Protected Areas System

PROJECT	ORGANIZATION
2017: Developing model sustainable management for Turneffe Atoll	Turneffe Atoll Trust
2018: Increasing the effectiveness of sustainable marine resource use and management in SEA's co-managed protected areas	Southern Environmental Association
2019: National Management Effectiveness Assessment for Belize's Protected Areas System	Wildtracks
2019: Monitoring Effectiveness of the Turneffe Atoll Marine Reserve through Long- term Monitoring of Marine Megafauna	MarAlliance
2019: Contributing to the Knowledge, Monitoring and Protection of Mesoamerican Reef's Fish Spawning Aggregations and Replenishment Zones	Toledo Institute for Development and Environment
2020: Towards the Knowledge, Monitoring and Protection of MAR Fish Spawning Aggregations and Replenishment Zones	Toledo Institute for Development and Environment
2020: Improving management of fish spawning aggregation zone in Gladden Spit and Silk Cayes Marine Reserve	Southern Environmental Association
2020: Towards Sustainability for the Turneffe Atoll Marine Reserve	Turneffe Atoll Sustainability Association
2022: Increasing Financial Sustainability and Generating Income Diversification Opportunities for the Improved Management Effectiveness of Corozal Bay Wildlife Sanctuary	Sarteneja Alliance for Conservation and Development
2022: Consolidating the Revenue Generation and Commercial Offer under the Blended Finance Approach for the Turneffe Atoll Marine Reserve	Turneffe Atoll Sustainability Association
2022: Strengthening surveillance and enforcement in Port Honduras Marine Reserve, Belize	Toledo Institute for Development and Environment
2022: Strengthening monitoring and protection for fish spawning aggregations at Turneffe Atoll, Belize	Environmental Defense Fund
2023: Construction of a Tourism Expedition Hosting Facility (TEHF) as a Critical Component of Community Tourism Development in Sarteneja	Sarteneja Alliance for Conservation and Development
2023: Re-establishing the Gales Point Wildlife Sanctuary in Belize, Through Community Engagement, Research, and Conservation Interventions	Clearwater Aquarium Research Institute
2023: UB-ERI Core Support: Building National Scientific Capacity for the Effective Management, Sustainable Use and Conservation of Belize's Natural Resources	University of Belize - Environmental Research Institute

Thematic Area 2: Reduced Pressures on the Marine Resources

The BMF was able to support the very successful gillnet buyback programme, spearheaded by Oceana. This removed one of the highest identified threats to finfish stocks, a significant step forward for improving management of Belize's fishery. It also resulted in the collection of 25,000 feet of gill net and supported 37 fishers through the gill-net transition program, providing investments in alternative activities.

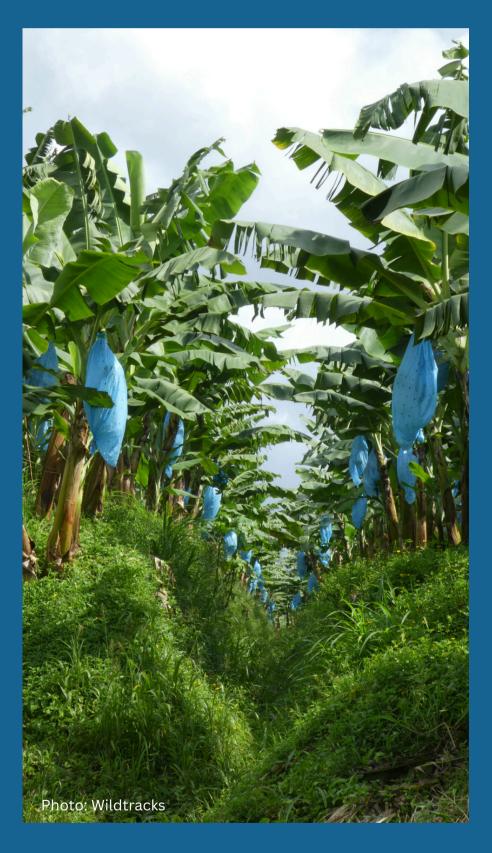
Managed Access: Support to the Environmental Defense Fund strengthened information availability on Belize's rights-based Managed Access framework, with six capacity building workshops for 56 Managed Access Committee members from eight Managed Access Areas. These workshops provided information and opportunities for direct dialogue between fishers and fishery managers on topics including climateresilient fisheries, replenishment zones, multispecies finfish management and recreational fishing. Additionally, with its partners, EDF executed a two-day national workshop in Belize City with 31 stakeholders, to enabled further information exchange, and strengthen and promote collaboration between Managed Access Committees and fishery managers.

Agrochemical pollution: The BMF has also supported an initiative, led by the World Wildlife Fund (WWF), focused on reducing watershed impacts — an assessment of agro-pesticide bioaccumulation in Belize's marine species at Turneffe Atoll and Sapodilla Caye Marine Reserves, and sediment samples at the mouth of Monkey River and the New River. This has provided updated information for a long-term regional WWF initiative, to reduce the impact of pesticides on the Mesoamerican Reef. It also laid the foundation for the formation of partnerships with the Pesticides Control Board and other relevant authorities and civil society organizations for improved awareness of the impacts of household pesticide use.

Climate Change: The BMF also sought to support initiatives that have the potential to increase climate change resilience of Belize's reefs. Investments included a resilience analysis of Belize's marine protected areas system to climate change, opening up opportunities for integrating identified climate change adaptation solutions to build MPA resilience through integration into management plans. Whilst implementation still requires complete understanding and buy-in from the management partner, and improved biodiversity and stakeholder outcomes may not be seen for several years, the model is being scaled up regionally, building climate-smart MPAs and strengthened MPA partnerships. Other investments include improving the resilience of corals with the introduction of 3 to 4 new genets that are stronger and more resilient to climate change--increasing the resilience of the outplants at reef restoration sites.

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Number of investments supported under Thematic Area 2



The BMF invested in a World Wildlife Fund-led initiative focused on identifying addressing agrochemical pollution in the watersheds



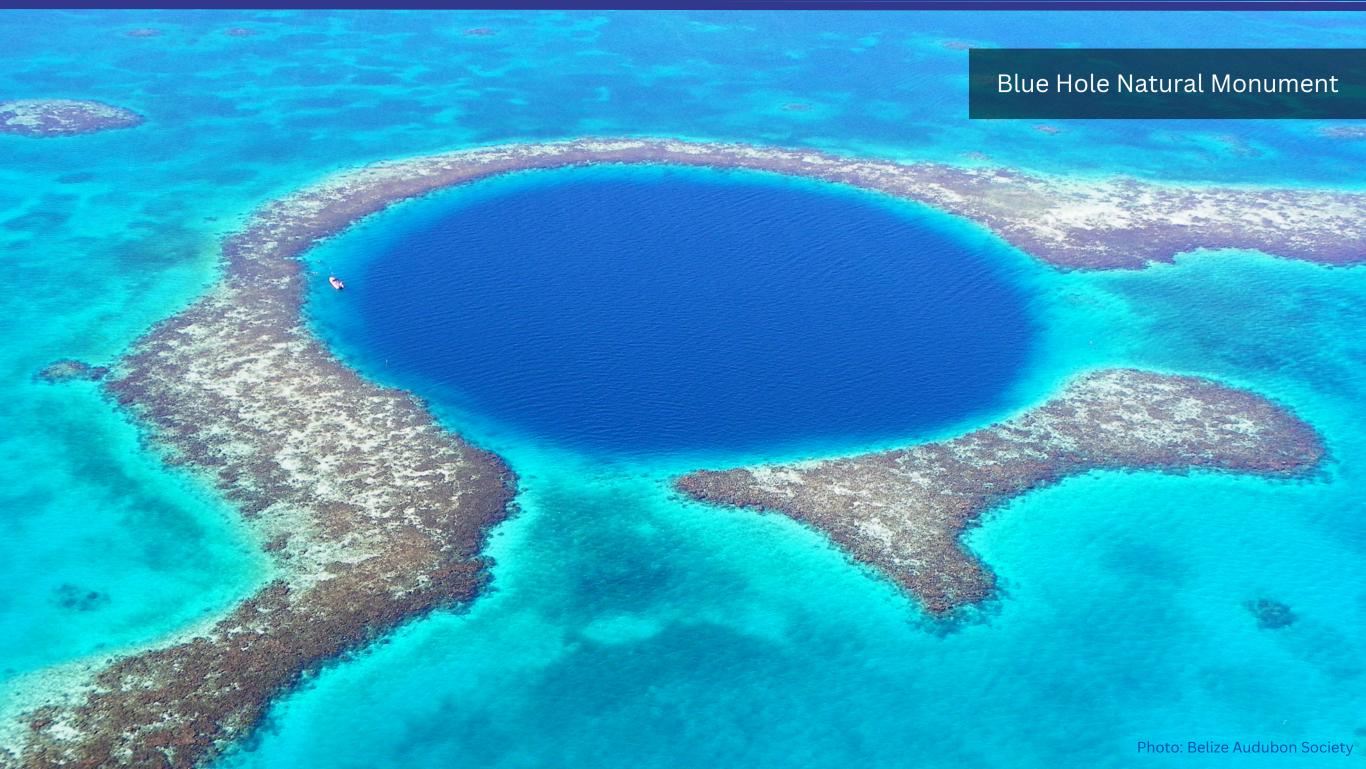


Invasive Species: Investment in the Blue Ventures
Conservation initiative for invasive lionfish control has
resulted in the development of a model for the effective
control of lionfish, keeping numbers below tipping point at
key sites. This has now been replicated at Turneffe Atoll and
South Water Caye Marine Reserves, and is seen as a major
step forward in reducing the pressure of invasive lionfish on
the marine resources in key no-take areas, where fishing is
not permitted.

Coral Restoration: BMF has contributed to the Fragments of Hope coral restoration initiative focused on strengthening the resilience of corals in the already successful coral restoration programme. Building on these past successes, this investment provided support to the introduction of 3 to 4 new genets that are stronger and more resilient to climate change, increasing resilience of the outplants at reef restoration sites.

Fragments of Hope out-planted at total of 31,277 *Acropora* corals (*Acropora palmata and A. cervicornis*) across four sites through BMF supported initiative.

THEMATIC AREA 2: Reduced Pressures on the Marine Resources		
PROJECT	ORGANIZATION	
2017: Promoting sustainable fishing practices within Lighthouse Reef Atoll (Area 7) through Managed Access	Belize Audubon Society	
2017: Mesoamerican Reef Sustainable Finfish Initiative in Belize	Environmental Defense Fund	
2017: Continued Reef Replenishment with the Critically Endangered Acroporid Corals in Southern Belize	Fragments of Hope	
2017: A Financial Platform for Sustainable Seaweed Production in Belize	The Nature Conservancy	
2017: Resilience Analysis of Belize Marine Protected Areas System to Climate Change	World Wildlife Fund	
2018: Protecting Belize's Marine Resources	Oceana	
2018: Stakeholder Participation in Sustainable Fisheries Management	Wildlife Conservation Society	
2020: Establishing Effective Lionfish Management in Belize's Fish Replenishment Zones	Blue Ventures Conservation	
2020: Managing Responsible Fisheries in Belize	Oceana	
2020: Exploration of Sea Cucumber Mariculture Potential in Belize	University of Belize - Environmental Research Institute	
2020: Continued Reef Replenishment in Southern Belize with an Emphasis on Mapping and Quantifying Natural Replenishment Acroporid Cover	Fragments of Hope	
2020: Stony Coral Tissue Loss Disease Monitoring and First Response in Belize	World Wildlife Fund / Healthy Reefs Initiative	
2021: Safeguarding Replenishment Zones Within the Belize Barrier Reef Reserve System	Wildlife Conservation Society	
2021: Building Resilience and Environmental Stewardship Among the three Fishing Communities of Hopkins, Independence and Placencia	Southern Environmental Association	
2021: Investing in Crisis-Resilient Fisheries by Strengthening Managed Access Committees across Belize	Environmental Defense Fund	
2021: Assessment of Agro-pesticides bioaccumulation in Belize marine species to reduce impact to the Mesoamerican Reef	World Wildlife Fund	
2021: Discretionary grant - Equipment Purchase (laptop)	Federation of Fishers	
2022: Building capacity for effective lionfish management in Belize's fish eplenishment zones.	Blue Ventures Conservation	



Thematic Area 3: Effective Marketing of Belize's Reef at National and International Levels

The BMF Investment Strategy flagged the low awareness and understanding of the general public of the role and importance of coastal ecosystems and Belize's reef in supporting resilient livelihoods and local and national economies. Even in fishing communities, dependent on these resources, this was identified as a critical gap in the effective conservation of Belize's marine resources, with a critical need to improve awareness, good stewardship, and ownership as priority strategies for investments to improve sound resources management.

Marketing and branding of the Belize Barrier Reef Reserve System-World Heritage Site (BBRRS-WHS), though identified as critically important, has generally been underfunded in Belize. The BMF has supported the development of Belize's first WHS branding and marketing strategy to emphasise the global importance of this UNESCO site. This has provided a launch pad for sensitizing the Belize and international community on the importance of the BBRRS-WHS following its removal from the list of World Heritage Sites in danger in 2018.

National multi-sectoral implementation of the BBRRS-WHS Strategy has been led by the Ministry of Blue Economy and Disaster Risk Management, in partnership with the Belize Tourism Board. An important component of the project, the implementation of the WHS Communication Plan, has been a collaborative effort supported by the Coastal Zone Management Authority and Institute working with the Ministry of Blue Economy, the WHS co-management NGO partners, the Belize Tourism Board, and the Belize Fisheries and Forest Departments.



Number of investments supported under Thematic Area 3



Thematic Area 3: Effective Marketing of Belize's Reef at National and International Levels

The Belize Marine Fund has provided consistent support for youth engagement in the northern fishing communities, considered stakeholders of most protected areas across Belize, including the atolls. Encouraging youths in these communities to pursue career paths outside fishing will reduce pressures on the marine environment and improve the management effectiveness of these protected areas. The activities are also important for engaging the parents as well, increasing knowledge of why marine stewardship is important in these communities.

This is achieved through the Reef Protectors program, implemented by the Belize Audubon Society. The program promotes environmental stewardship and marine conservation in high school youths in the northern fishing communities of Sarteneja, Chunox, and Copper Bank. It is focused on raising awareness and understanding of the need for the conservation of the marine environment by providing young people with firsthand experience, based on the belief that, given the proper mentorship, skills training, and support, participants can become environmental stewards and take on conservation leadership roles in their communities.

Having future champions in these key fisher communities and other sectors will help towards gradual behaviour change and improved sustainable resource use in the long term. This model has proved highly successful and is being replicated in Sarteneja by the Sarteneja Alliance for Conservation and Development as a Mangrove Guardian programme, expanding coverage to the largest fishing community in Belize.

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Number of investments supported under Thematic Area 3

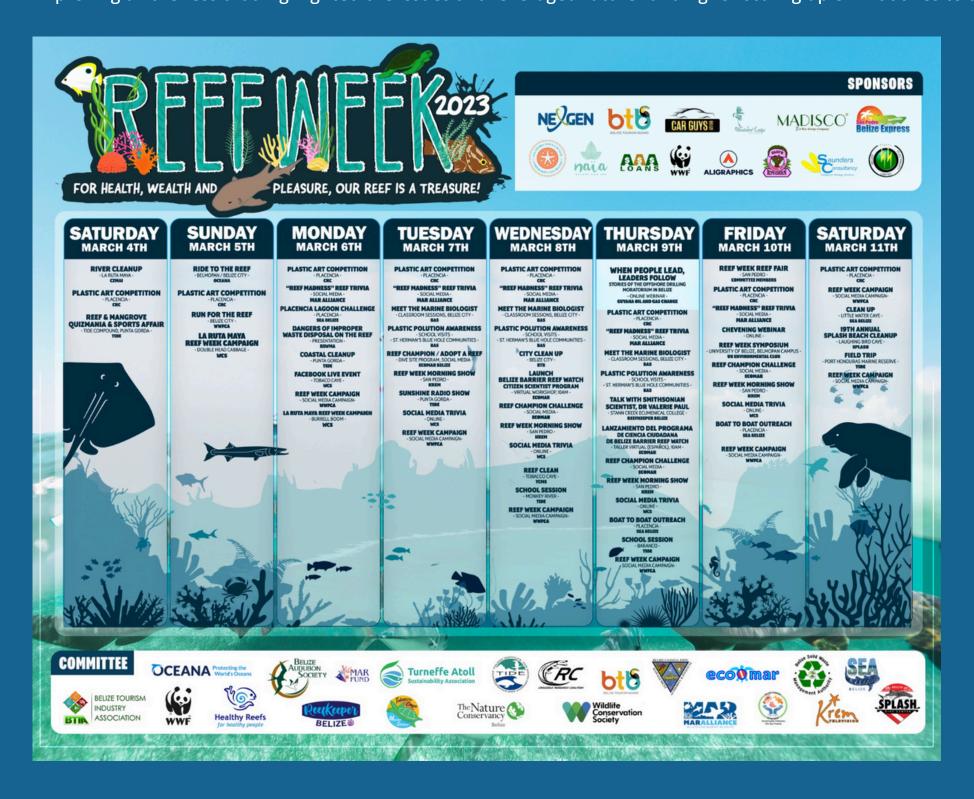


Reef Protectors Program Empowering
Youths as Champions of Marine
Conservation
Belize Audubon Society

Find out more



The Belize Marine Fund has also been consistent in its support for annual national days and outreach events that raise awareness of the marine environment. Reef Week, for example, is a collaboration of marine partners that generates a good level of interest and participation across Belize, raising awareness of the reef. It has also supported the International Day of Biodiversity, increasing understanding and awareness of biodiversity issues in Belize. Similar investments have been made in other outreach events – the Green Globe panel discussion, for example, as a part of the Belize Film Festival provided a platform for marine-focused discussion improving awareness on the banning of single-use plastics in the marine environment, management of sargassum and emerging coral diseases, improving awareness that highlighted the issues and leveraged future funding for scaling up of initiatives to address these issues.



Reef Week 2023

A

collaborative celebration

of Belize's Reef

The BMF has invested in the development of the Belize Blue Economy Development Policy, Strategy and Implementation Plan (2022 – 2027) as part of a consortium of funders — an investment intended to provide relevant authorities and stakeholders the opportunity for broad consultation and discussions around the development of the Blue Economy and Belize's blue ocean space.

Another major achievement has been the creation and implementation of a branding and marketing strategy for Belize's World Heritage Site, to sensitize the Belize and international community on the importance of the Belize Barrier Reef Reserve System (BBRRS). There has been national multi-sectoral adoption of the branding and marketing of the BBRRS, with ownership taken up by the Ministry of Blue Economy, in partnership with the Belize Tourism Board. More recently, the BMF has provided support to the Coastal Zone Management Authority and Institute for the implementation of the Communication Plan which forms a key component to the WHS branding and marketing strategy, building on the earlier investment.

THEMATIC AREA 3: Effective Marketing of Belize's Reef at National and International Levels	
PROJECT	ORGANIZATION
2017: Capacity Building of Fishing Communities youth in Northern Belize as a Fisheries Management Tool	Belize Audubon Society
2017: Safeguarding Critical Habitat for the Endangered Antillean Manatee in Belize	Sea to Shore Alliance
2017: Shifting Attitudes and Behaviors in Belize's Fishing Community to Maximize Marine Conservation Impacts	Wildlife Conservation Society
2018: Towards A Brighter Future: Highlighting Belize's Commitment to Sustaining the Belize Barrier Reef Reserve System (BBRRS) World Heritage Site (WHS)	World Wildlife Fund
2018: Reef Week	Belize Audubon Society
2019: Building capacity of fishing stakeholders for participation in marine conservation, through education, public awareness and collaboration	Belize Audubon Society
2019 Engaging Belizean Youths as the Next Generation of Conservation Leaders	Ecology Project International
2019: Safeguarding Manatees and Community Livelihoods in Placencia and Belize City through Research and Education	Sea to Shore Alliance
2019: Branding for Change—Enhancing National and International Awareness of the Importance of the BBRRS WHS	World Wildlife Fund
2019: Reef Week	Belize Audubon Society
2019: Fostering A Green Belize in the 21st Century: 2019 Belize International Film Festival (Green Globe)	National Institute of Culture and History
2019: Toledo Exposure and KREM TV/Radio's participation and live coverage of the UN Climate Change COP 25	Toledo Exposure Documentary Films/KREM TV/Radio
2019: Participation in the Gulf and Caribbean Fisheries Institute 72nd Annual Conference	Turneffe Atoll Sustainability Association
2020: Reef Week	Belize Audubon Society
2021: Re-imagining Belizean Tourism in the Wake of the COVID-19 Pandemic	Belize Tourism Industry Association
2021: Conserving Manatees and Habitats in Belize Through Research, Monitoring, and Community Engagement	Clearwater Aquarium Research Institute
2021: Building Knowledge and Understanding, Managing Perceptions, and Engaging Fishing Communities of the North Eastern Coast of Belize Towards Improved Stewardship of Marine Resources	Belize Audubon Society
2021: International Day for Biodiversity	National Biodiversity Office / Association or Protected Area Management Organizations
2021: Reef Week	Belize Audubon Society
2021: IUCN World Conservation Congress	National Biodiversity Office / Association or Protected Area Management Organizations
2022: Support for Clearwater Marine Aquarium Senior Scientists	Clearwater Aquarium Research Institute
2022: Belize Barrier Reef 100th birthday celebration	World Wildlife Fund
2022: International Day for Biodiversity 2022 "Building a Shared Future for All Life"	National Biodiversity Office / Association or Protected Area Management Organizations
2022: Find the Whales game	Thought Generation Society
2023: UNBELIZEABLUE – Showcasing Women's Leadership in Marine Conservation in Belize	International Documentary Association
2023: BIOPAMA Action Component5th International MPA Congress, Vancouver Canada (February 3 -9, 2023)	Toledo Institute for Development and Environment
2022: South Water Caye Marine Reserve Community Stewardship, Mangrove Awareness and Nursery Pilot Project	Reefkeeper Belize
2023: Advancing Implementation of the Branding, Marketing and Communications Strategies for Belize's Barrier Reef Reserve System—A UNESCO World Heritage Site	Coastal Zone Management Authority and Institute



CROSS CUTTING PROJECTS

Two investments are considered to be cross cutting across the three Thematic Areas for their potential to influence marine resource management and improve decision making for marine conservation in the medium and long term.

2021: Forging a Sustainable Blue Economy for Belize: A National Development Strategy and Plan

2021: A Judicial Review by Belizean courts on a Range of Social and Environmental Issues of Concern Related to the Stake Bank tourism project



Number of cross cutting initiatives supported