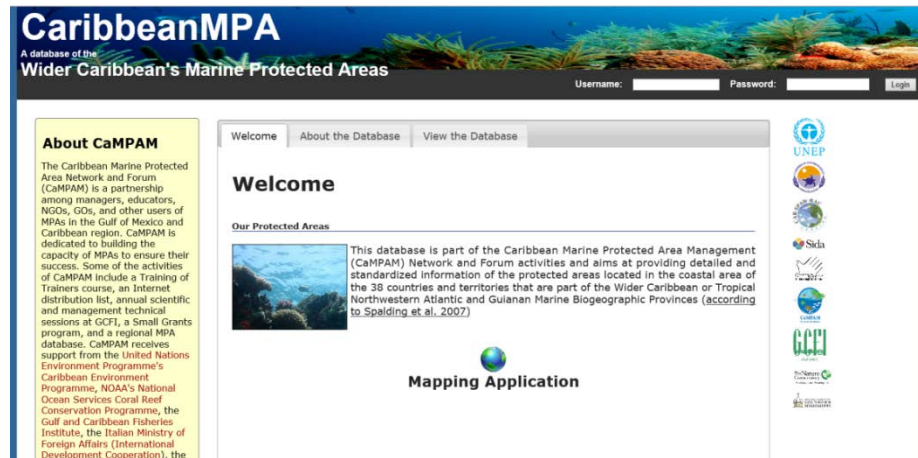


CaMPAM MPA Database



<http://campam.gcfi.org/CaribbeanMPA/CaribbeanMPA.php>

Georgina Bustamante, Ph.D.

BIOPAMA Program
Caribbean

Regional Inception Meeting
6-7 March, 2018, Kingston, Jamaica



History, contents

- Owned by UN Caribbean Environment Programme (CEP) / Specially Protected Areas and Wildlife (SPAW) Sub-programme
- Created in mid 2000s
- Since 2007 hosted by GCFI, transitioning to UNEP CEP server
- A snapshot of 320 MPAs
- 60 fields grouped in 4 categories: geographic, legal, physical and management features
- No spatial or temporal information (limited information for larger coastal area management)

Folkstone Marine Reserve, Barbados (data provided by the MP manager)

Folkstone

Identification Legal Physical Description Management

Name
Barbados (Folkstone) Marine Reserve

Short name
Folkstone

General description
No Data

Country or territory
Barbados

Geographic location
W coast of Barbados. It extends offshore 950m at its widest point, and 660m at its narrowest.

Ecoregion location
EasternCaribbean

Boundaries
13.16667 N, 59.63917 W

Map URL
<http://www.canari.org/folkstone.pdf>

Total surface area (km²)
2.3

Land surface area (km²)
0.02

Sea surface area (km²)
2.28

Shoreline length (km)
2.2

Site national category
Park and Marine Reserve

Site international designation
No Data

IUCN category
II

Is this MPA a SPAW?

Folkstone

Identification Legal Physical Description Management

Designation
Legally Designated

Date established
1981/03/01

Legal citation
Designationof Restricted Areas Order 1981, and the Marine Areas (Preservation and Enhancement) (Baebados Marine Reserve) Regulation 1981.

Citation reference URL
No Data

Other legal designations
The Marine Areas Preservation & Enhancement Act (1976). The Marine Areas (Preservation & Enhancement) (Barbados Marine Reserve) Regulations 1981. Coastal Zone Management Act 1998.

Other legal designations reference URLs
No Data

Primary responsible institution
National Conservation Commission

Primary contact
John Nicholls

Address
Holetown St. James Barbados, West Indies

Phone number(s)
246-422314, 246-4222871

Fax numbers(s)
246-4322793

Email
folkstonemarine@yahoo.com

Web Site(s)
<http://www.barbados.org/folkstone.htm>

< Previous Next >

Folkstone

Identification Legal Physical Description Management

Climate
No Data

Geological features

- cliffs
- terraces
- beaches
- rocky shores
- volcanic formations
- islands
- keys
- atolls
- blue holes
- sink holes
- caves
- swamp
- marsh
- active volcano
- dormant volcano
- caldera
- submarine canyon
- mogotes or cockpit
- lava field
- outstanding speleothems
- karstic

Hydrological features

- freshwater sheet flow
- river(s) drainage
- stream(s) drainage
- spring(s) drainage
- underground freshwater drainage
- ocean gyre
- ocean loop/meandering current
- upwelling

Other hydrological features
No Data

Terrestrial habitats
No Data

Terrestrial flora and fauna species
Most of the vegetation communities that do exist comprise mainly non-native species that were introduced to the island.

Some terrestrial wildlife communities, while not resident, frequent the area. These include the hawksbill turtle, the green vervet monkey, the mongoose, the green lizard and bats. Several bird species, local and migratory, have also been observed in the area. Of particular importance is the roost of cattle egrets in a small remnant stand of white mangrove in the area. White mangrove (Laguncularia racemosa), mahoe (Thespesia populnea), casuarina (Casuarina equisetifolia), clammy cherry (Cordia alliodora), castor oil (Ricinus communis), mimosa (Mimosa pudica) and at least 45 other plant species are relatively common. The faunal composition is diverse, and includes several species of crabs, insects, spiders, snails, birds (at least 14

Marine habitats
Within the Reserve there are four well-developed fringing reefs, several patch reefs and an offshore bank reef. The fish abundance is low due to historical over-fishing, poor habitat quality and a severe disease that targeted reef fish in 1994. Sand areas separate the three reef types within and beyond the boundaries of the Reserve. There is little natural vegetation along the foreshore. The remaining mangrove lagoon has been highly modified and disturbed. What exists is merely a remnant of a habitat type that once dominated the area, and one of the few remaining mangrove lagoons in Barbados. In addition, there are a few other existing mangrove fragments in the area.

Marine flora
No Data

Marine invertebrates and fishes
Benthic fauna in these areas include worms (Bispira variegata) and occasional urchins (Tripneustes ventricosus). Within the Reserve there is an extensive area of intertidal sandy beach habitat with the associated intertidal fauna, i.e. oligochaetes, harpacticoids, archianellids and nematodes.

Marine mammals, birds and sea turtles
No Data

Endangered species
No Data

http://campam.gcfi.org/CaribbeanMPA/pdfexport/pdf_generator.php?mpald=46

Are CaMPAM MPA datasets used?

La Caleta

The screenshot displays the 'Management' section of the La Caleta management plan. It includes several sub-sections with associated data:

- Primary management institution:** Subsecretaría de Areas Protegidas y Biodiversidad
- Other institutions that participate in management:** REEF CHECK DR, a non-governmental organization.
- Personnel:** Park manager; rangers' supervisor, REEF CHECK DR director and operations manager
- Management objectives:**
 - species protection
 - ecosystem protection
 - fisheries management
 - user conflict resolution
 - recreational/tourism use
 - navigation restrictions
- Management framework:** No
- Date of establishment of management framework:** None
- Last update of management framework:** None
- Management programmes:**
 - advisory committee
 - co-management with private sector
 - construction regulations
 - education/outreach program
 - emergency operations program
 - enforcement program
 - natural resources damage assessment authority
 - navigational restrictions
 - on-site staff
 - permitting program
 - research facilities
 - research program

Other visible sections include 'Funding sources' (users fees, private; governmental; non-governmental), 'Cultural resources' (Native Taino cemetery, shipwreck), 'Fisheries resources' (Chaetodontidae, Haemulidae, Lutjanidae, Scaridae, Muraenidae, Serranidae, Chirona variegata, Palinuridae), 'Fisheries regulations' (No Data), 'Coastal development' (Restricted), 'Beach management' (beach nourishment, vegetation restoration, beach sand cleaning regulations), 'Monitoring programmes' (coral reef health, coral reef resilience, fish surveys, ReefCheck, sea turtles), 'Other monitoring programmes' (No Data), 'Issues or threats for accomplishing management objectives' (Weak management; little compliance with regulations; lack of resources, lack of public awareness, lack of government attention, inadequate tourism development nearby, high crime rate, overfishing), 'Role of site in network' (No Data), and 'Areas of special expertise for knowledge transfer' (No Data).

General Habitats Species Climate Pressures Management **References**

General references for the protected area information and indicators:

Note: Details for all indicators from the Digital Observatory for Protected Areas (DOPA) are available in the [DOPA Indicator Factsheets](#).

Borrini-Feyerabend, G., Bueno, P., Hay-Edie, T., Lang, B., Rastogi, A., Sandwith, T. (2014) A Primer on Governance for Protected and Conserved Areas. IUCN, Gland, Switzerland.

Dubois, G., Bastin, L., Martínez-López, J., Cottam, A., Temperley, W., Bertzy, B., Graziano, M. (2015) *The Digital Observatory for Protected Areas (DOPA) Explorer 1.0*. EUR 27162 EN, Publications Office of the European Union, Luxembourg.

Dubois, G., Bastin, L., Bertzy, B., Mandrici, A., Conti, M., Saura, S., Cottam, A., Battistella, L., Martínez-López, J., Boni, M., Graziano, M. (2016) Integrating multiple spatial datasets to assess protected areas: Lessons learnt from the Digital Observatory for Protected Areas (DOPA). *ISPRS International Journal of Geo-Information* 5: 242.

Dudley, N. (editor) (2008) Guidelines for Applying Protected Area Management Categories. IUCN, Gland, Switzerland.

Hartley, A., Nelson, A., Mayaux, P., Grégoire, J.-M. (2007) *The Assessment of African Protected Areas*. EUR 22780 EN, Office for Official Publications of the European Communities, Luxembourg.

IUCN and UNEP-WCMC (2013) The World Database on Protected Areas (WDPA) On-line, January 2013. UNEP-WCMC, Cambridge, UK. Available at: www.protectedplanet.net

IUCN and UNEP-WCMC (2014) The World Database on Protected Areas (WDPA) On-line, August 2014. UNEP-WCMC, Cambridge, UK. Available at: www.protectedplanet.net

IUCN and UNEP-WCMC (2017) The World Database on Protected Areas (WDPA) On-line, January 2017. UNEP-WCMC, Cambridge, UK. Available at: www.protectedplanet.net

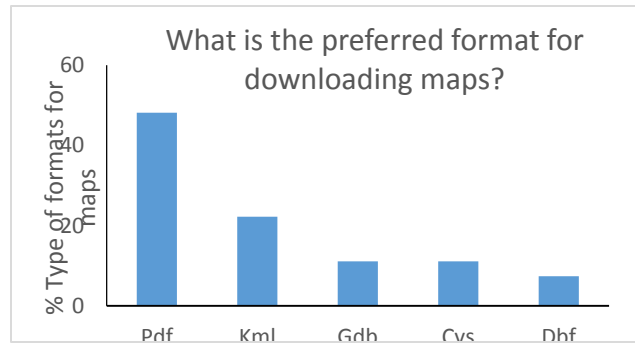
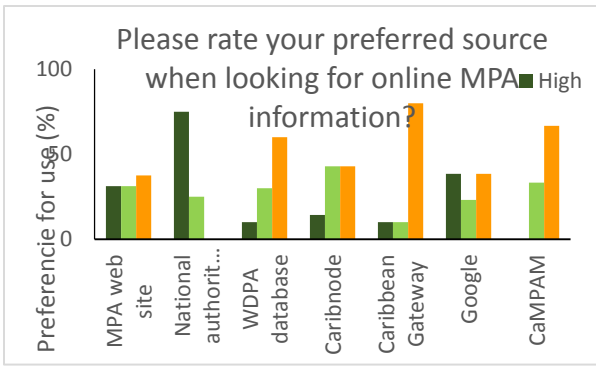
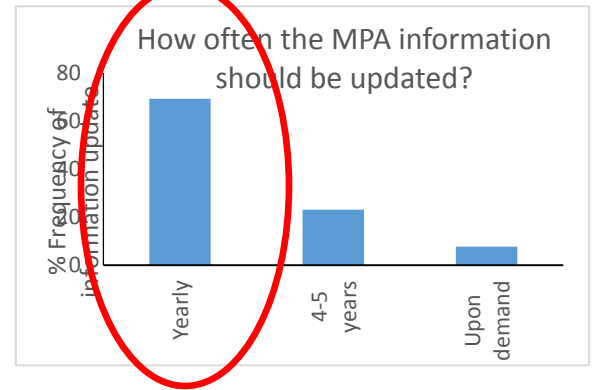
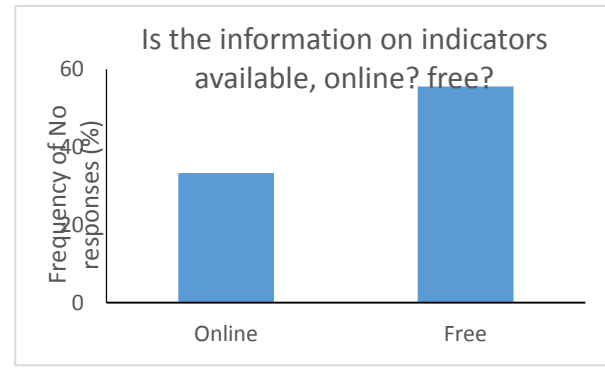
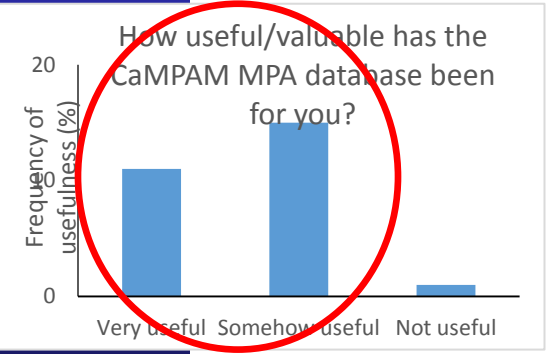
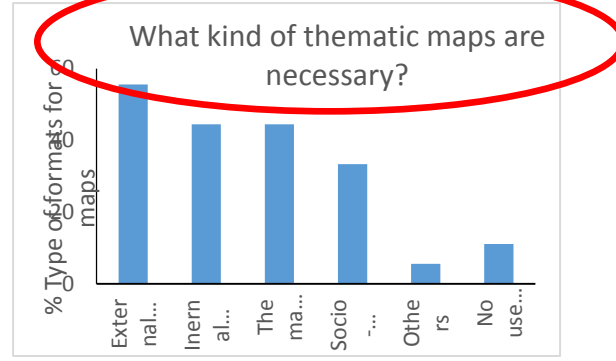
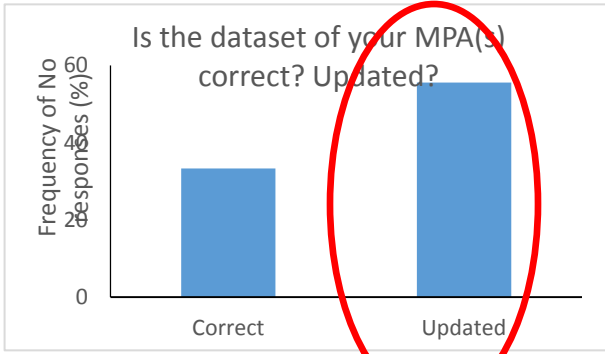
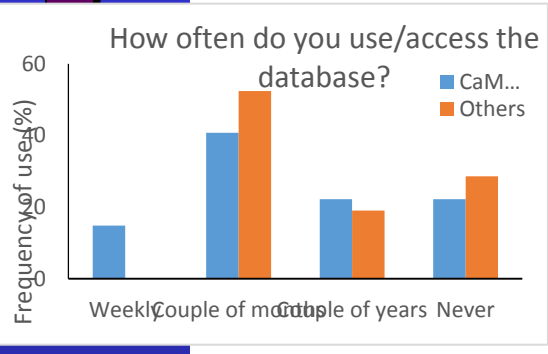
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Sources of information listed in the WDPA/ BIOPAMA Gateway dataset (no mention of CaMPAM MPA database)



Evaluation of relevance and user-friendliness



Data by Prada (2017)

Improvement

Feature	Issues/changes
User friendliness	Format needs to be improved
No. fields	Too many, fewer better
Data updating	Updating of 40 MPA in progress
Relevant for making decisions on large area management	Not enough...it requires feature temporal changes and larger area (specific data collection)
Management resources	It is being moved to CEP portal more resources expected
Cooperation with relevant databases	Different rules, objectives, resources