**MINISTRY OF
DISTRICT ADMINISTRATION,
TOURISM & TRANSPORT**
CAYMAN ISLANDS GOVERNMENT

**Proposed Cruise Berthing Facility
Benthic Habitat Survey
Terms of Reference**

Purpose

To conduct a Benthic Habitat Characterization Survey within the proposed dredging footprint for the Proposed Cruise Berthing Facility in Grand Cayman, in order to provide additional information and relevant data within the mixed patch reef area in the proposed dredging footprint.

The project objectives are as described below.

Objectives

Further delineate the various habitats within the Mixed Patch Reef area:

- Conduct desktop analysis of the aerial photography to identify potentially different habitats within the Mixed Patch Reef area;

- Ground-truth aerial photography of the proposed dredging footprint; and

- Conduct desktop analysis of the aerial photographs to determine aerial coverage of the identified habitats within the Mixed Patch Reef habitat.

Further characterize the various habitats in the Mixed Patch Reef area within the proposed dredging footprint:

- Determine community composition, percent cover, density, and size class of the live coral community within the Spur and Groove area; and
- Determine community composition, percent cover, density, and size class of the live coral community within the habitats identified in the Mixed Patch Reef Area.

Scope of Work

In order to estimate the number of hard and soft corals within the proposed dredging footprint, a Habitat
Characterization Survey is to be conducted to collect additional information from the habitats within the proposed dredging footprint.

Conduct an analysis of available aerial photography of the project area, determine the various habitat types located within the dredging footprint, and further characterize the hard and soft coral community at randomly selected stations within each habitat type in the dredging footprint.

Schedule

It is estimated that it will take 4 days to complete the survey. A Draft Report is to be prepared and submitted approximately 4 weeks after the survey is completed. A Final report will be submitted 2 weeks after the Draft Report.

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