



Organisation of  
Eastern Caribbean States



European Union



UNCTAD-OECS Blue BioTrade project

# Queen conch field data collection method

## Sampling Methodology

1. Surveys will be carried out in two selected primary fishing grounds of Grenada around Carriacou and Petit Martinique and the South of Grenada Island (i.e., Calliste and Saint George)
2. The queen conch underwater surveys will be done by trained personnel. The field survey teams will consist of at least four data collectors, who will carry out the underwater belt transects in the identified queen conch habitat areas.
3. A simple queen conch habitat map will be generated from the fishing grounds that fishers will identify as their preferred fishing grounds.





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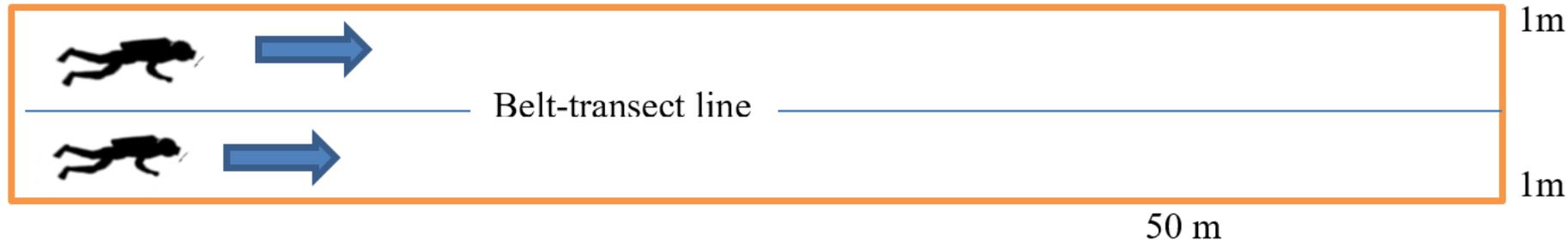


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3. Once the habitat map is prepared, quadrants (100m x 100m) will be superimposed on the habitat map and the size of the fishing ground will be estimated. Each quadrant will be assigned a sequential number.
4. In each selected quadrant a transect line (50m long) will be deployed by divers.



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Queen conch survey using belt transects.

A team of two divers will swim (one on each side of the transect line) along a belt-transect line measuring fifty meter (50m) long by two meters (2m) wide covering an area of 100m<sup>2</sup>. Each queen conch found along the belt transect line will be collected, counted and its morphometric measurement will be recorded.



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## Grenada Fisheries Division

### Queen Conch Underwater Survey Data Collection Sheet 2022

Date: \_\_\_\_\_ Sampling station: \_\_\_\_\_ Transect No. \_\_\_\_\_ Sheet No. \_\_\_\_\_

Team members: \_\_\_\_\_ Transect length & width (m): \_\_\_\_\_

Start GPS Coordinates :16Q					UTM:				
End GPS Coordinates:16Q					UTM:				

No.	Depth (ft)	Shell Length (mm)	Lip Thickness (mm)	Comments and habitat type (note if conch has egg mass or are mating)	No.	Depth (ft)	Shell Length (mm)	Lip Thickness (mm)	Comments and habitat type (note if conch has egg mass or are mating)

A - Algae	C - Coral	CR- Coral Rubble	M - mud	PR – Patch Reef	S - sand	Sl - silt	Sg- sea grass	DnSg – dense Sea grass	SpSg – sparse Sea grass
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Thank you for your attention