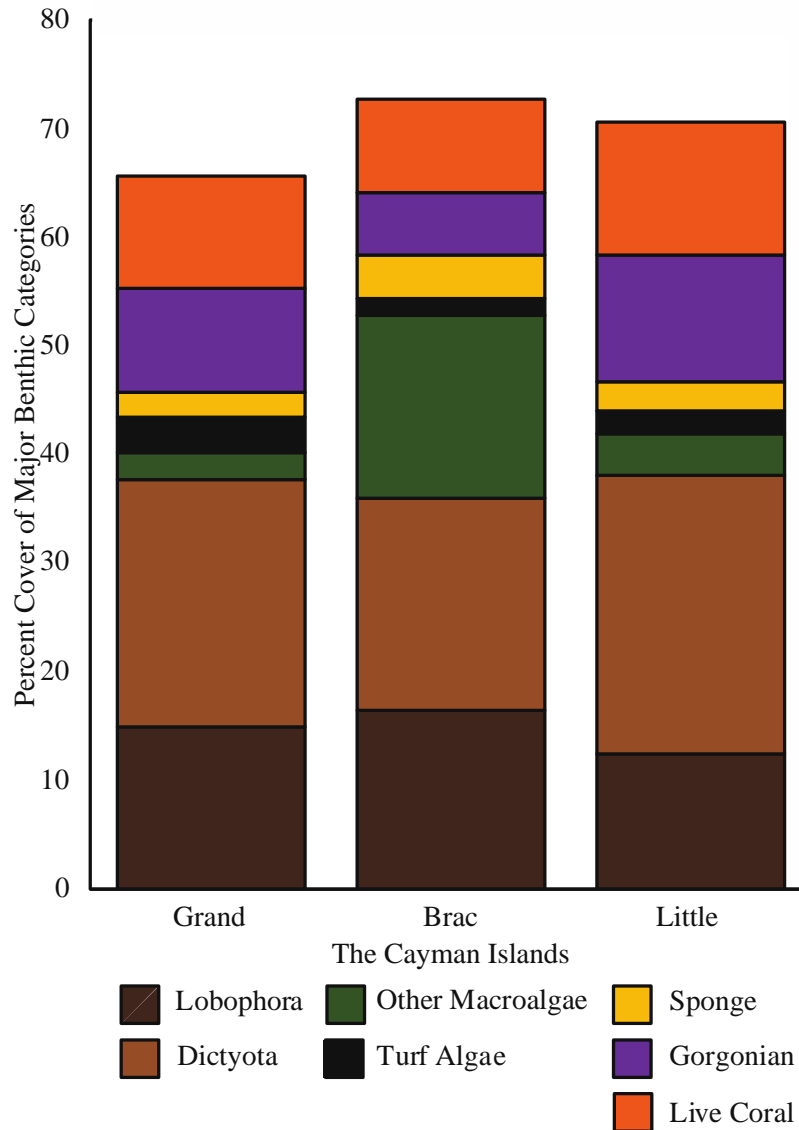Supplementary Figure 1: Map Showing Location of Cayman Islands and Study Sites.

Supplementary Figure 2: Benthic Coverage of Reefs in the Cayman Islands. *Dictyota* and *Lobophora* combined are 38% of the reef.

Methods

Ten 30 m transects were surveyed at each of seventeen sites across the three islands. A photograph of the benthos was taken 0.5 m above the substrate every three metres giving 10 photos per transect and 1667 photos in total. These were analysed in CoralNet with 50 points per frame.

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