

METADATA

Data Summary

A mosaic of six Quickbird multi-spectral image data (acquired between 2008-2010) of Roviana Reef, Solomons was used in a multi-scale segmentation and object-based image classification to produce maps of reef type, geomorphic zones and benthic community type. These classified maps are provided in ArcMap shapefile format. Projection used was Universal Transverse Mercator Zone 57 South and Datum used was WGS 84. See Roelfsema et al 2013 for detailed methodology.

The Solomon coral reef system map is given in an ArcMap shapefile format and consists of seven associated files:

1. sl2011qb_Roviana_Habitat_Map.shp
2. sl2011qb_Roviana_Habitat_Map.dbf
3. sl2011qb_Roviana_Habitat_Map.prj
4. sl2011qb_Roviana_Habitat_Map.sbn
5. sl2011qb_Roviana_Habitat_Map.shx
6. sl2011qb_Roviana_Habitat_Map.sbx

Data in the *.dbf file are in a tabular format where each line corresponds to a one polygon. The columns for each line give all the associated information for the particular polygon.

A description of the column header titles is given by Table 1.

Heading	Heading Info
Benthic	Benthic community classes
Geomorphic	Reef geomorphic zone classes
Reef_Type	Classes of reef type
WaterReefLa	Basic cover classes separating shallow water, deep water , land, cloud