

METADATA

Data Summary

A 2002-2007 mosaic of Quickbird, Ikonos and Landsat TM multi-spectral image data of Kubulau, Fiji was used in a multi-scale segmentation and object-based image classification to produce this map of reef type, geomorphic zones and benthic community type. These classified maps were provided in ArcMap shapefile format. Projection used was Universal Transverse Mercator Zone 60 South and Datum used was WGS 84. See Roelfsema et al 2013 for detailed methodology.

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

1. fj20022007qbikonlandsat_Kubulau_HabitatMap.shp
2. fj20022007qbikonlandsat_Kubulau_HabitatMap.dbf
3. fj20022007qbikonlandsat_Kubulau_HabitatMap.prj
4. fj20022007qbikonlandsat_Kubulau_HabitatMap.sbn
5. fj20022007qbikonlandsat_Kubulau_HabitatMap.shx
6. fj20022007qbikonlandsat_Kubulau_HabitatMap.sbx
7. fj20022007qbikonlandsat_Kubulau_HabitatMap.xml

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
Classname_	Benthic community classes with geomorphic zone and reef type label
Benthic	Benthic community classes
Geomorphic	Reef geomorphic zone classes
Reef_Type	Classes separating barrier reef from fringing reef
Land_Reef	Basic cover classes separating shallow water, deep water , land, cloud
ImageSource	Type of Image and Date of acquisition (format – YYYYMMDD; where Y – year, M – month and D- day)
Method	Classification method used to produce this data

Location	Study area where data was collected
Source	Person and Organisation responsible for the data generation