

RIFLEMAN BANK

7°46'10.01"N, 111°39'1.70"E

Geographic area

Rifleman Bank is a submerged oceanic atoll in the southwestern part of the Spratlys, close to 230NM northwest of the island of Borneo, over 300NM southwest of the island of Palawan and over 260NM southeast of mainland Vietnam. The closest shallow geographic features are Spratly Island and Ladd Reef, both over 40NM north. The visible parts of this atoll are the shallowest coral reef platforms of its outer coral ring, that may be connected at greater depths. The atoll extends over 50km along its northeast-southwest axis and 20km along its west-east axis.

Land area above water

There are no visible above-water land areas on this bank.

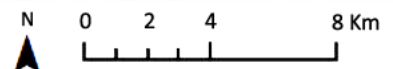
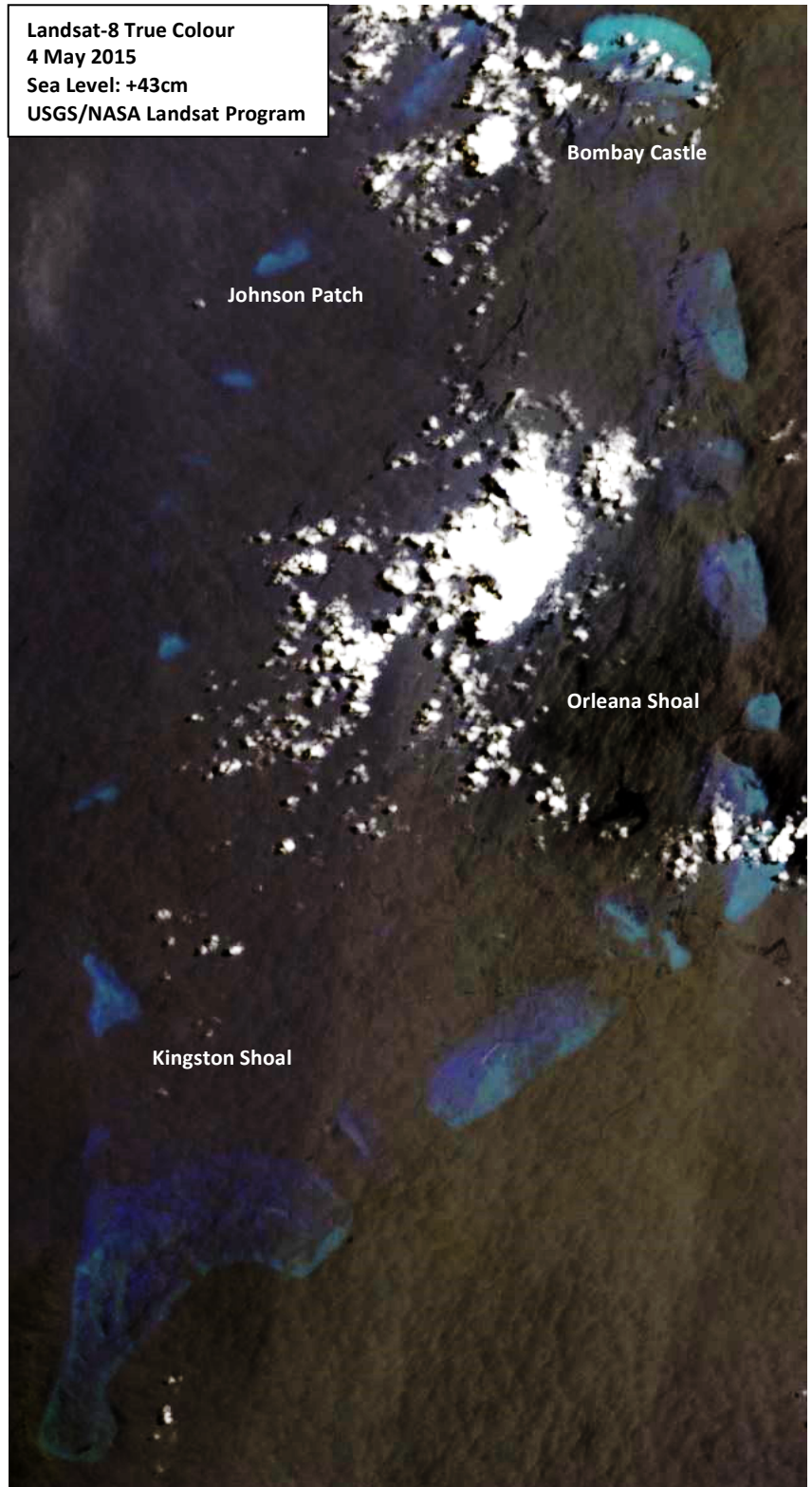
Human infrastructure

Four offshore structures are visible in two parts of this atoll when zooming in in the 24 August 2014 satellite image of Kingston Shoal and in the 8 June 2015 satellite image of Orleana Shoal: one tower or platform on Kingston Shoal; one single oil and gas offshore platform (20m diameter octagonal topside) and two connected offshore platforms on Orleana Shoal, located 20km from each other. The double platform is composed of two steel jackets, the largest of which has a 30m by 30m topside with a helipad. The smallest one has a 20m-wide square topside.

Intertidal and submerged area

The total aerial coverage of the visible coral platforms of the atoll ring is 59.65km². The lagoon area within the outer boundaries of the coral platforms covers 661.74km². The shallowest areas are located in the southern part of Johnson Patch that is 8-13m deep. The parts of Bombay Shoal, Kingston Shoal and Orleana Shoal where the bathymetry could be calculated are 10-15m, 12-15m and 9-12m, respectively. They are all characterised by pronounced spurs and grooves. Coral heads and coral reef segments are also visible in the lagoon, next to the coral platforms.

Landsat-8 True Colour
4 May 2015
Sea Level: +43cm
USGS/NASA Landsat Program

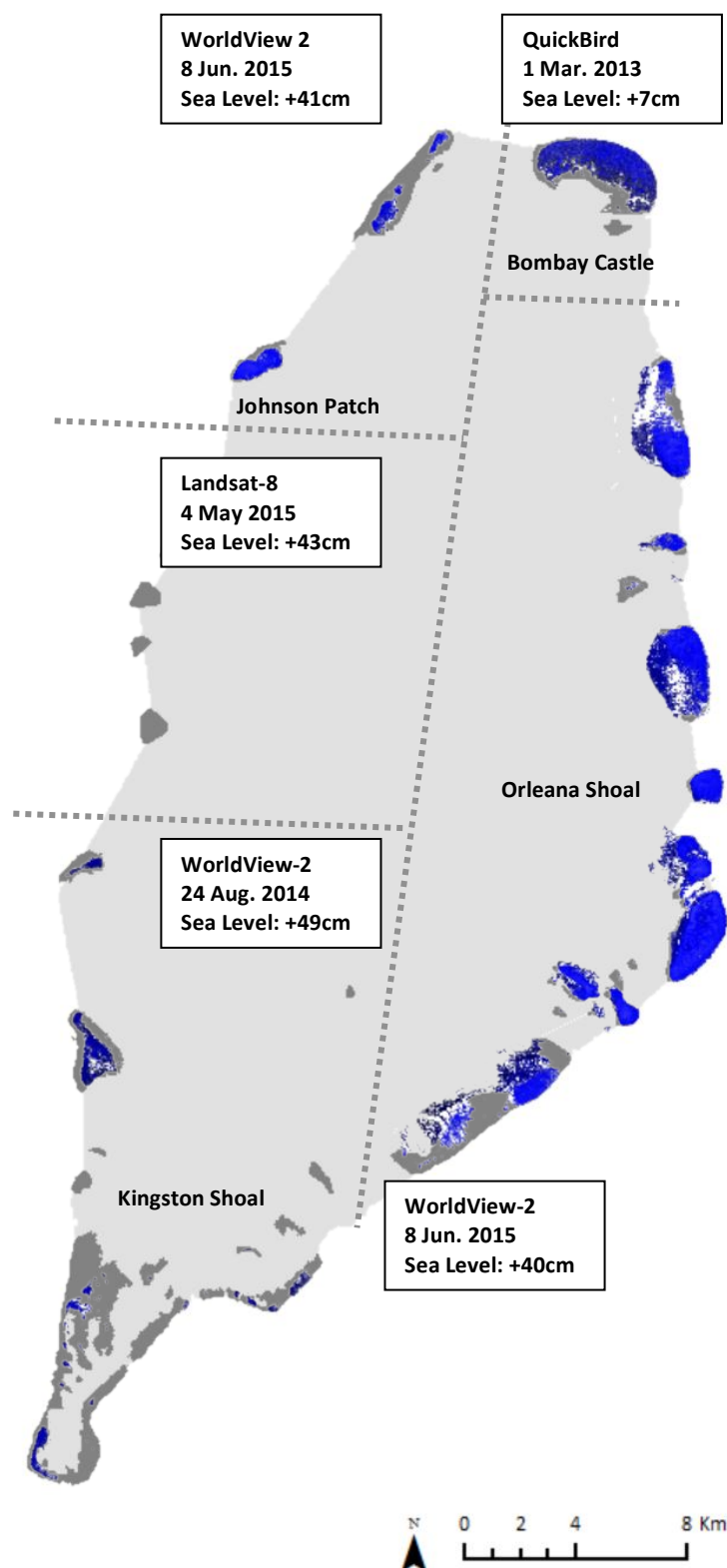


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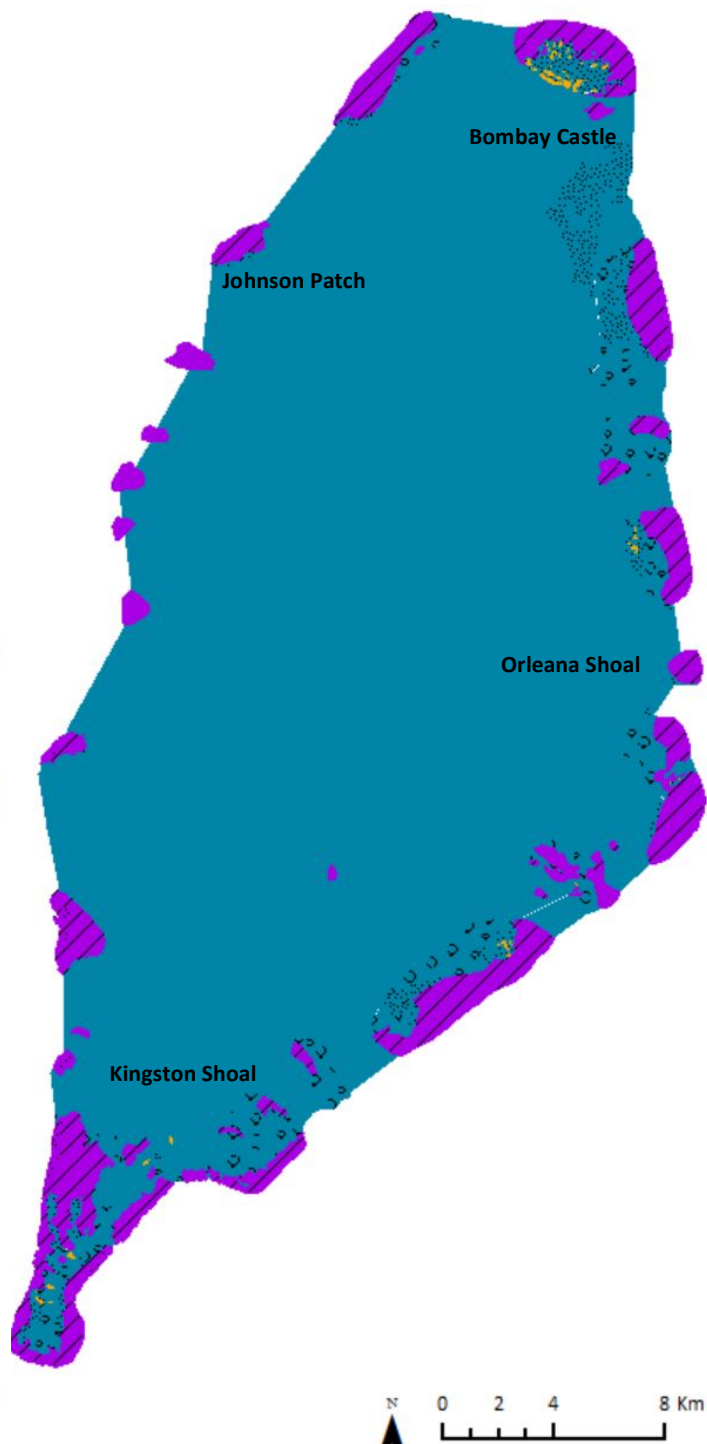
7°46'10.01"N, 111°39'1.70"E

Derived from a mosaic of Landsat-8, QuickBird, and WorldView-2 satellite data from 2013 to 2015

Bathymetry Map

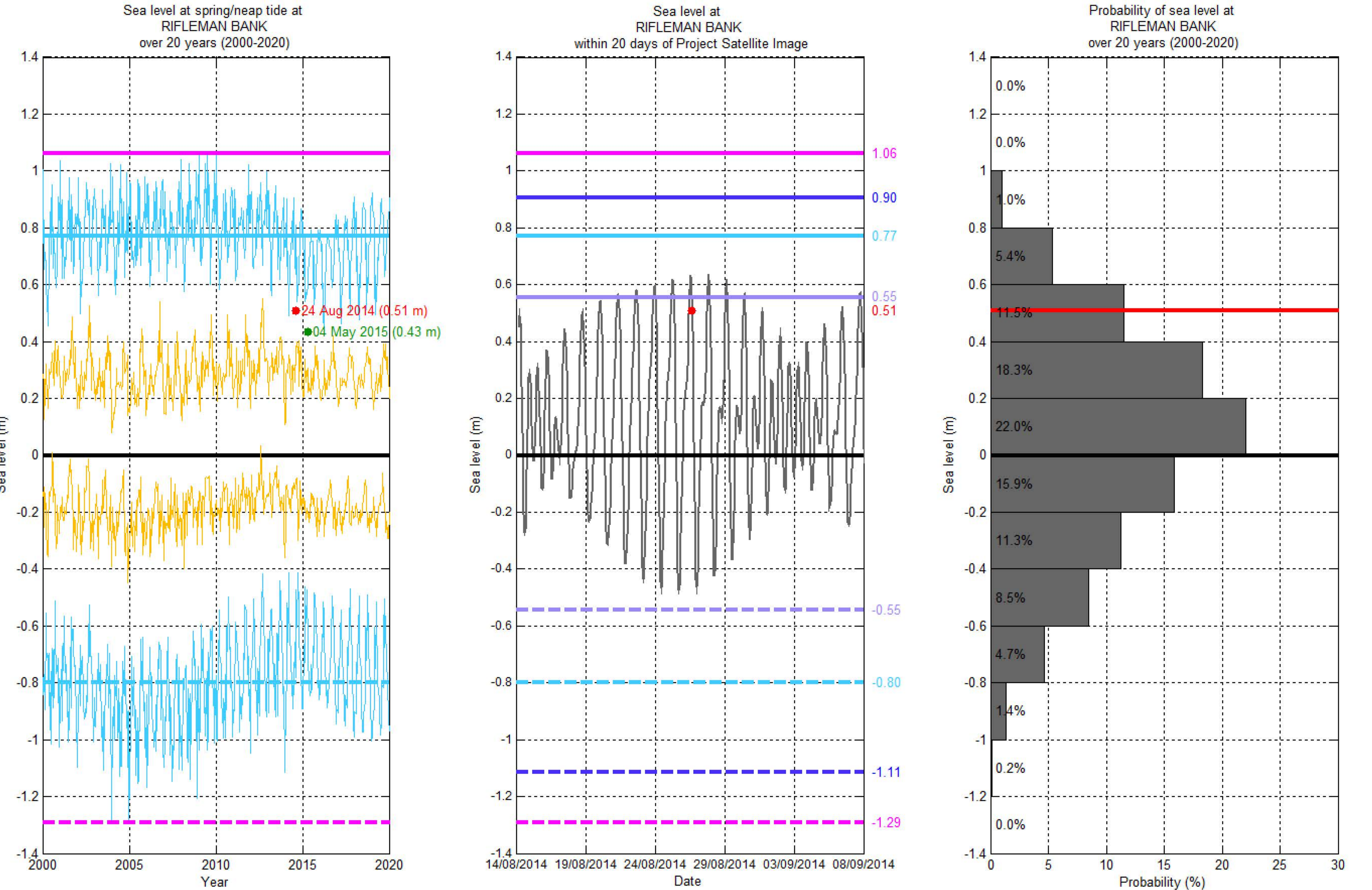


Habitat Classification and Land Cover Map



Sea level (SL) at RIFLEMAN BANK

[7°46'10.02"N, 111°39'01.70"E]



Hourly sea level SL at spring tide SL at Mean High Water Spring SL at highest tide of the year SL at Mean Higher High Water SL at Highest Astronomical Tide Project Satellite Image
Mean Sea Level SL at neap tide SL at Mean Low Water Spring SL at lowest tide of the year SL at Mean Lower Low Water SL at Lowest Astronomical Tide Google Earth and Landsat satellite images