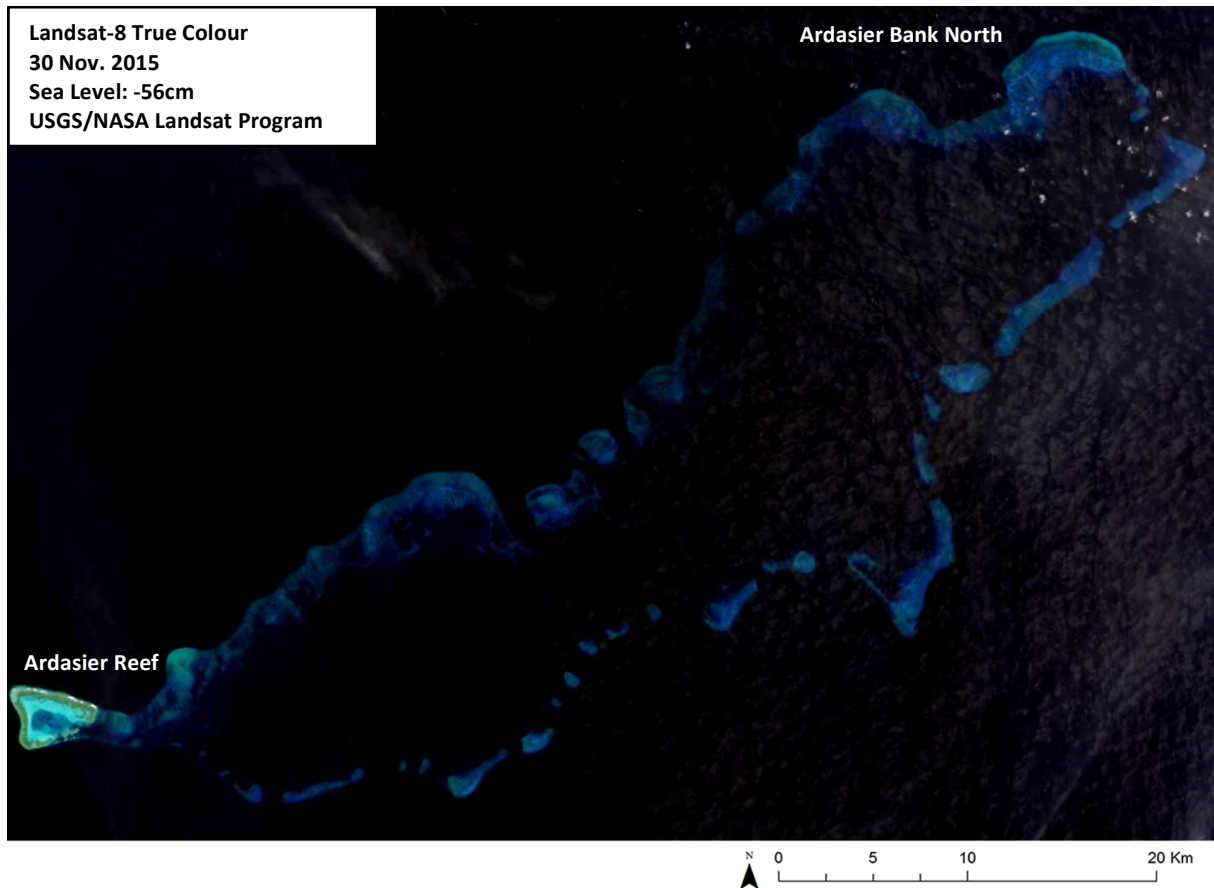


ARDASIER BANK OVERALL

7°44'52.99"N, 114°14'41.85"E

Geographic area

The visible part of Ardasier Bank in satellite imagery constitutes the largest atoll in the southeastern part of the Spratlys. It is less than 150NM northwest of the island of Borneo and 180NM southwest of the island of Palawan. The outer part of the atoll is a non-continuous coral ribbon that surrounds a lagoon. The closest shallow geographic features are Dallas Reef (less than 6NM west), Investigator Shoal (less than 12NM northeast), and Mariveles Reef and Erica Reef, both over 16NM northwest. The overall submerged atoll extends close to 70km along its northeast-southwest axis and 20km along its northwest-southeast axis. The overall surface area of the atoll is 845km² (including the lagoons).



Land area above water

There are no above-water land areas on Ardasier Reef. The only above-water formation is a man-made concrete platform on Ardasier Reef.

Human infrastructure

There is one man-made platform and an artificial harbour in the southern part of Ardasier Reef in all the images reviewed for this study but no further construction work is visible as at 30 November 2015.

Intertidal and submerged area

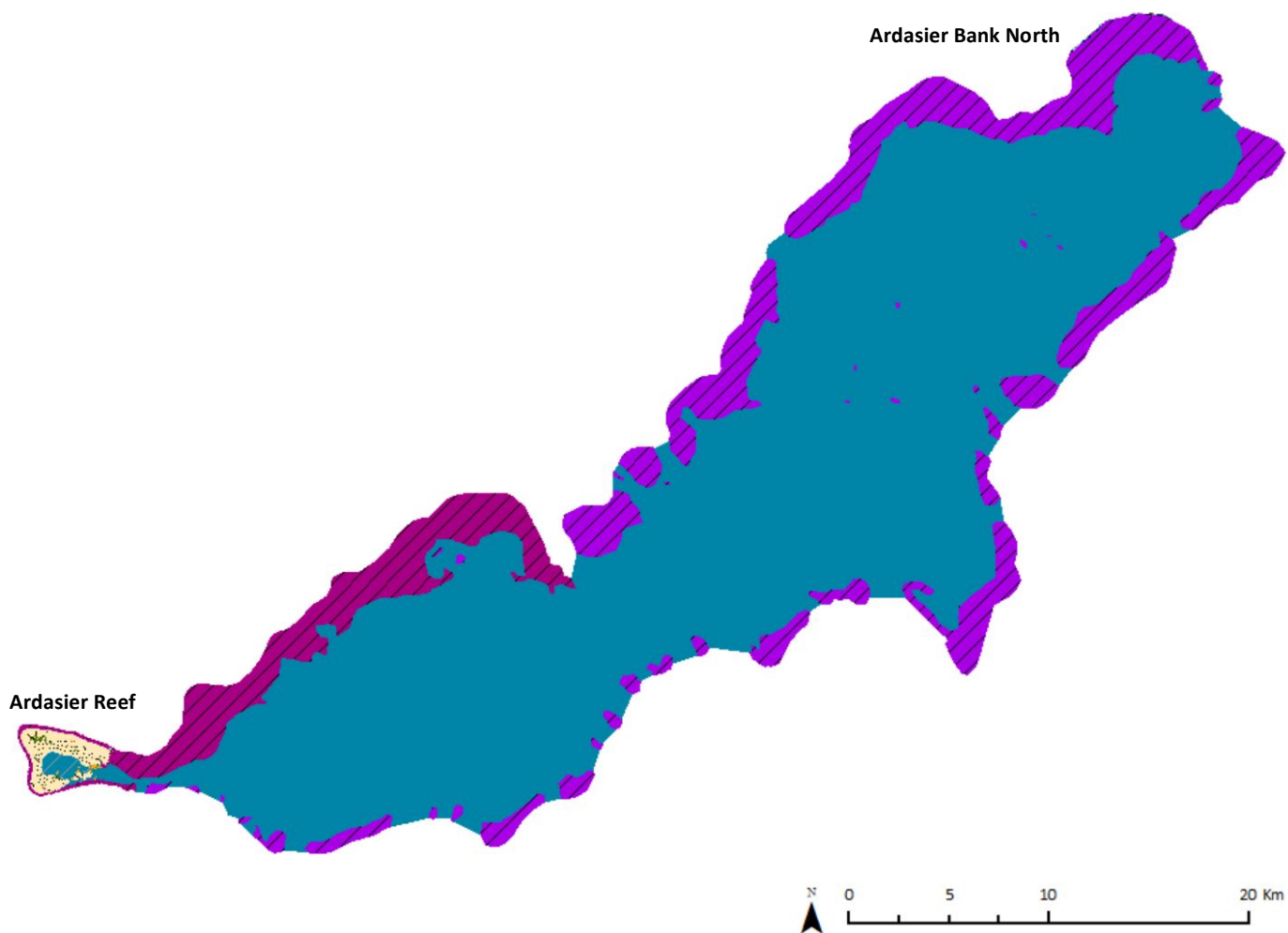
Most of Ardasier Bank is submerged at all times. The only part of the bank where some areas are expected to uncover at Lowest Astronomical Tide and possibly low spring tides is Ardasier Reef. Ardasier Bank North, the second shallowest area, is 6m deep at Mean Sea Level at the shallowest part of the reef. The rest is expected to be in the range of 10-20m deep. Pronounced spurs and grooves are visible all around. The total area of coral visible on this atoll is 187.30km². The lagoon covers 657.70km². Traces of human activities, dredging marks and areas of degraded reefs are visible in the 2013 high resolution satellite image of Ardasier Reef. The low resolution of Landsat images and the depth of the atoll make it difficult to assess whether similar traces exist on the rest of the atoll.

ARDASIER BANK OVERALL

7°44'52.99"N, 114°14'41.85"E

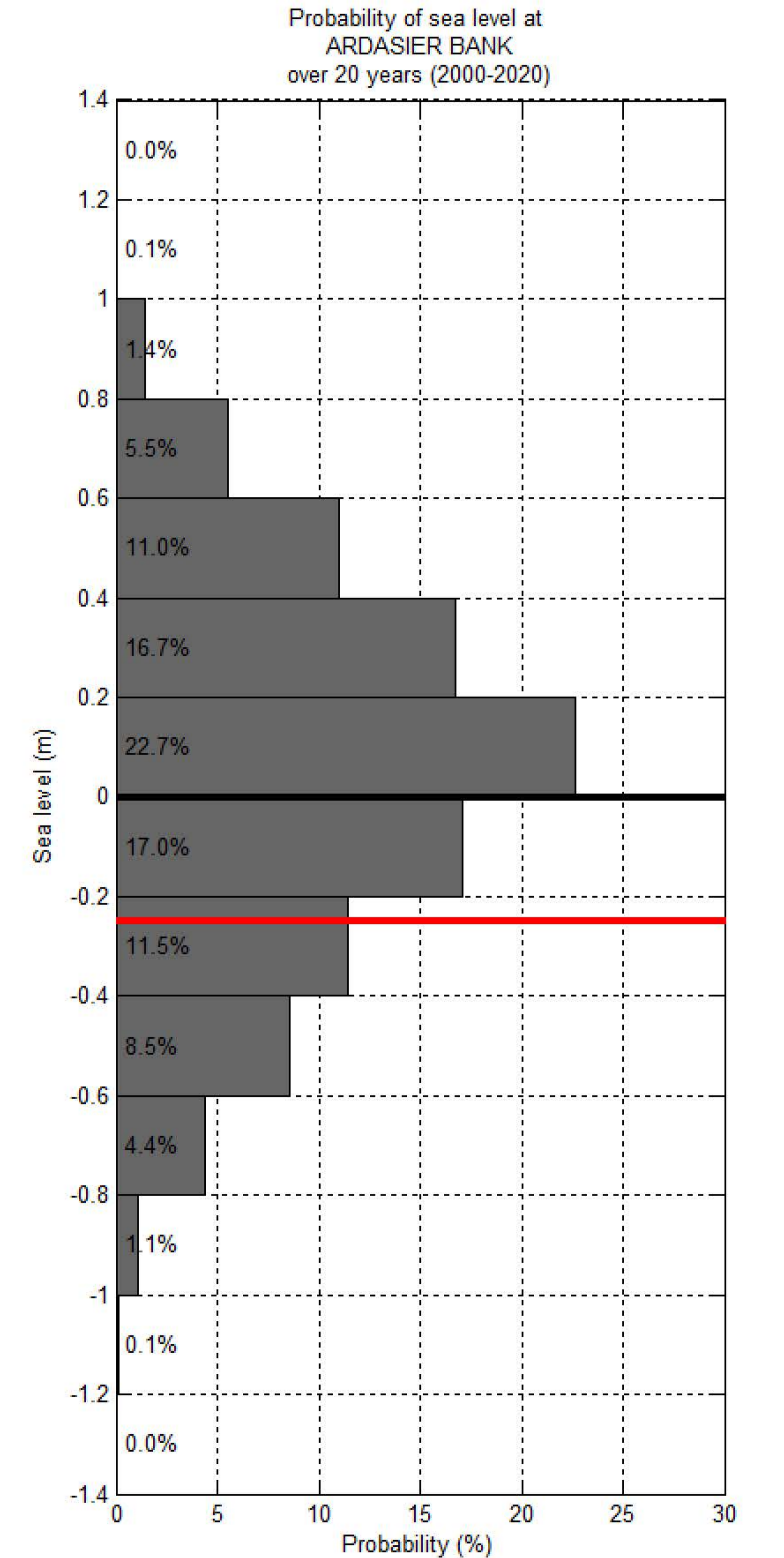
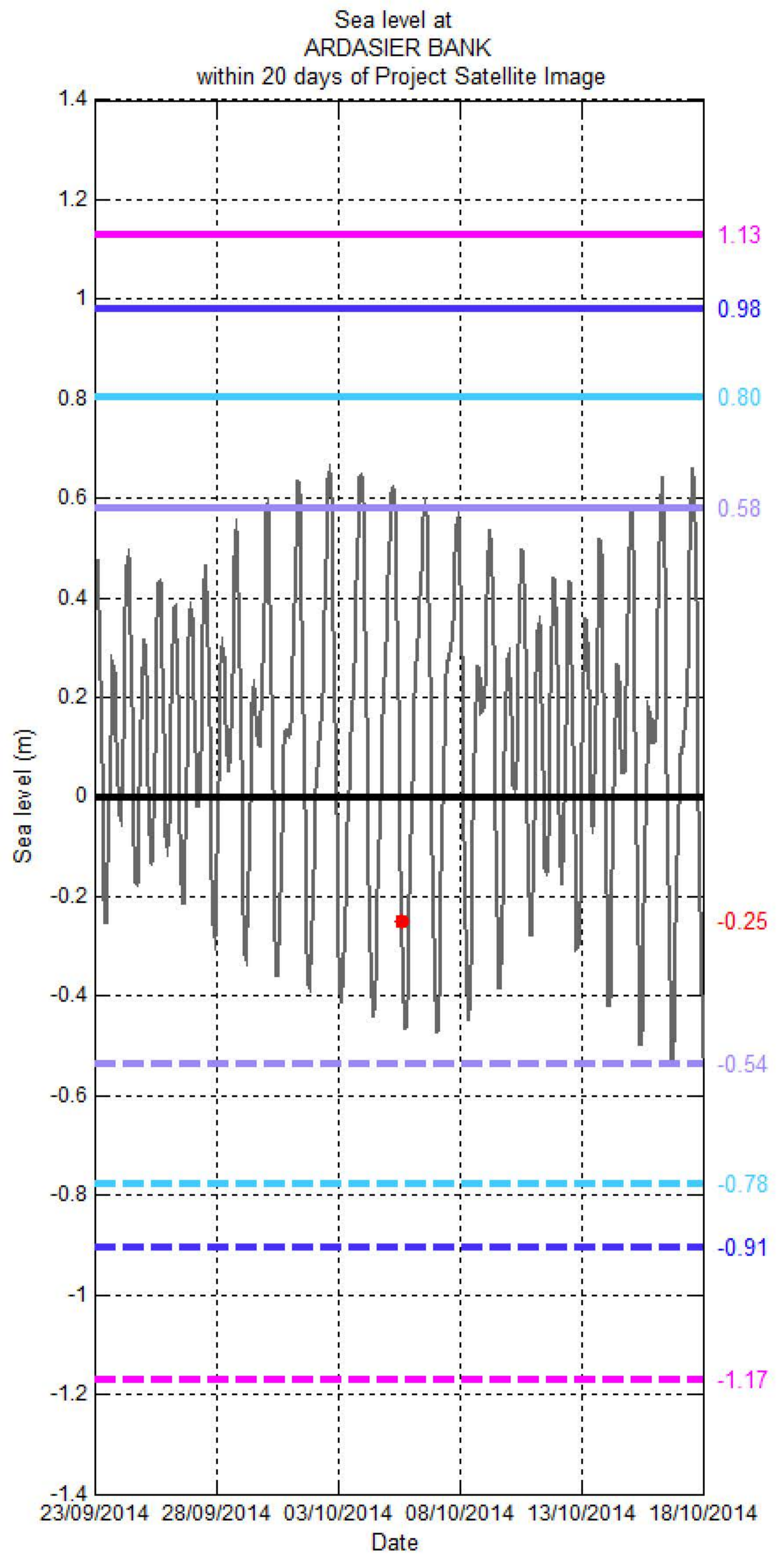
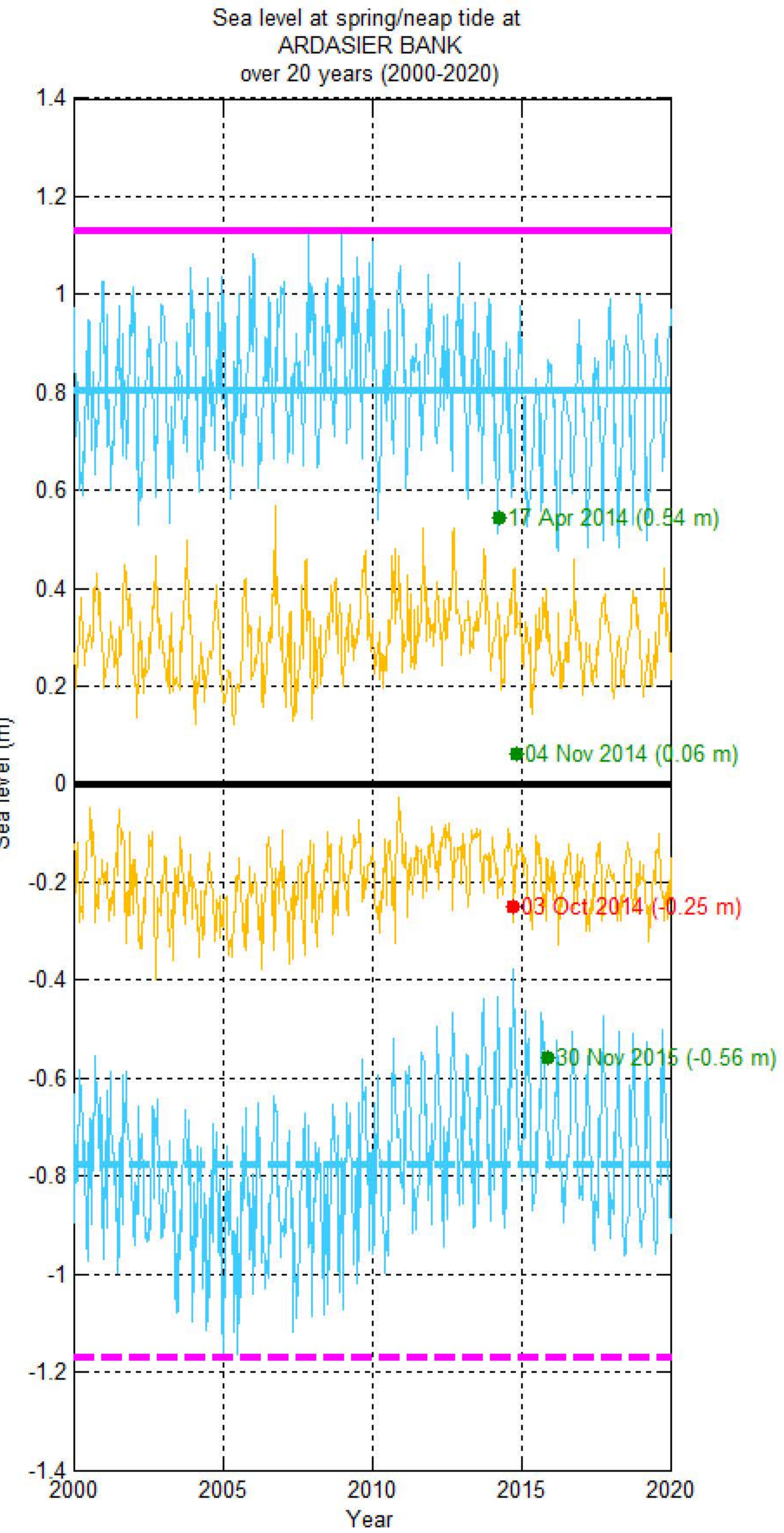
Derived from WorldView-2 and 3 and Landsat-8 satellite data captured from 2013 to 2015

Habitat Classification and Land Cover Map



Sea level (SL) at ARDASIER BANK

[7°44'52.99"N, 114°14'41.85"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