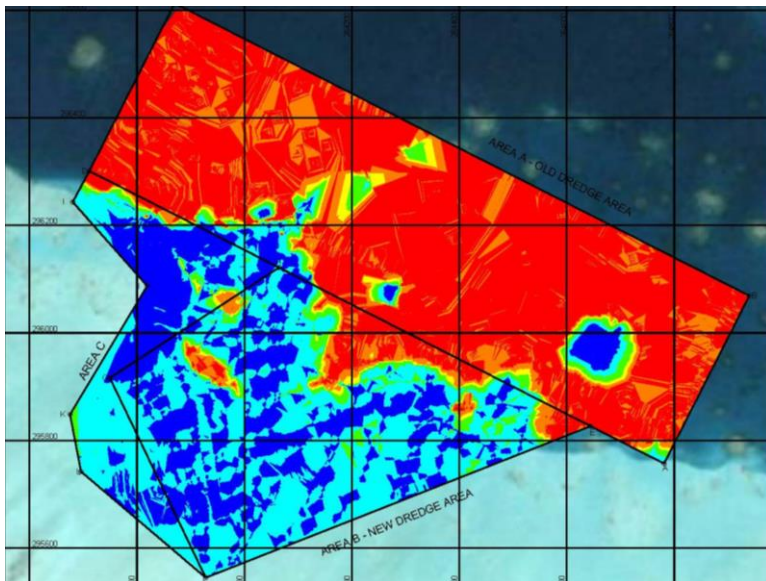


## MALDIVES DREDGING INVESTIGATION

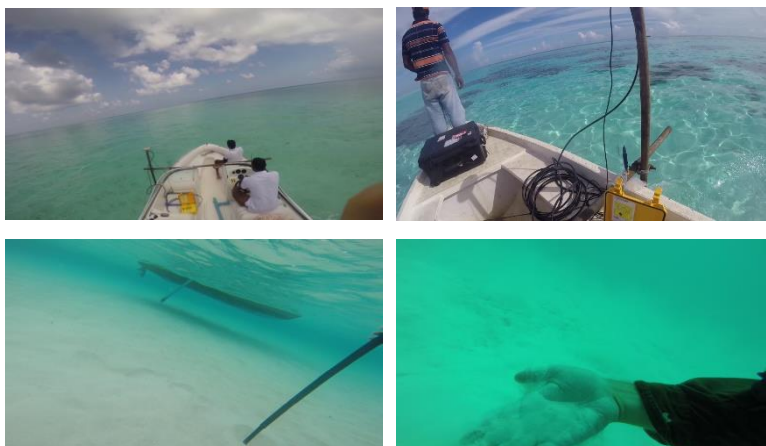
Reclamation is being undertaken to construct an airport on the island of Kudahuvadoo in the South Nilande Atoll and to enable property development on the islands of Navaagan and Nakachchaa Hurraa in the Kaafu Atoll. Dredging works were proposed to supply the sand and this project was to evaluate the adequacy of the selected dredge areas.

An assessment of five (5) proposed dredge areas was undertaken over 6 days and covering a total area of 1,744,000m<sup>2</sup>. A Ceescope 200 dual frequency echo sounder was utilised to provide both bathymetry and sub-bottom profiling. Verification of the dual frequency head output was achieved by site measurement of sand depth using a jet probe.

Post-processing was undertaken using Hypack and AutoCAD Civil 3D in Australia, providing results to the client effectively “overnight” and allowing survey works to be optimised, maximising accuracy in the areas of interest.



*Kudahuvadoo – Plot showing depth of sand available*



*Kudahuvadoo – Sub-Bottom Profiling, Jet Probing and Site Inspection*

### Date

Sept 2014

### Location

Maldives

### Client

Reollo Construction

### Contact

Adrian Moss

### Overall Project Value

\$4M

### ICM Scope

- Site Inspection
- Bathymetric survey & sub-bottom profiling
- Sand Depth and Volume Calculations
- Investigation Report