

**7th CSPCWG MEETING
Simon's Town, South Africa 23-26 November 2010**

**Paper for Consideration by CSPCWG
Depiction of Imprecise Shoal Depth Areas**

Submitted by:	UK
Executive Summary:	In areas which have not been surveyed, it is sometimes possible to discern shoal patches from satellite imagery, without precise limits or depths. This paper considers a possible method of depicting such areas.
Related Documents:	INT1, S-4
Related Projects:	None

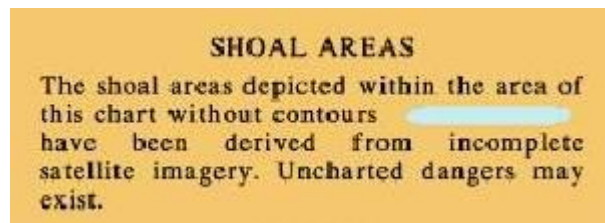
Introduction / Background

In clear water areas which are unsurveyed or inadequately surveyed, it is sometimes possible to discern shoal patches from satellite imagery, without precise limits or depths.

Analysis / Discussion

UKHO has discovered such areas when using satellite imagery to improve positioning of islands in the Indonesian Archipelago. In some cases, the approximate underwater extent of islands can be seen, in others the shoals are discernible where there is no above water feature, or any banks found by what limited survey activity there may have been.

UKHO has depicted such areas with light blue (screened) shallow water tint, without supporting contours. A note has been included on the chart:



An example chart will be available to view. Examples are on GB charts 2862, 2869, 2870, 2872, 2873, 2892.

Conclusions and Recommendations

UK considers that it is essential to depict known shoal areas on charts, even where the data is limited so that actual depths cannot be shown, so that the prudent mariner can avoid them.

Justification and Impacts

Even incomplete and imprecise information can be useful to reduce the risk of grounding.

Action required of CSPCWG

The CSPCWG is invited to discuss the above issue and advise whether:

1. The UKHO practice is useful and the best solution
2. Guidance should be included in S-4 (suggested location B-417.8)

3. An example should be included in INT1 (suggested location I5).