Bide, T.P., Balson, P.S. and Campbell, E.

Marine sand and gravel resources of Welsh Waters and the Irish Sea

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Report, OR/12/097.

This map has been commissioned by The Crown Estate. This map is to be used with the accompanying guide 'The Mineral Resources of Welsh Waters and the Irish Sea'. British Geological Survey Open Report, OR/12/097.

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Digital Cartography: J. Smalley

Project Leaders: T.P. Bide and J.M. Mankelow

Compiled by T.P. Bide, P.S. Balson and E. Campbell

Marine Sand and Gravel Resources

Areas containing important sand and gravel deposits

1. Areas of coarse sand and gravel contained in coasts banks and near land damaged
2. Areas of sand contained in intertidal sand banks
3. Areas of sand contained in shallow water deposits

Depositional settings used to define areas prospective for coarse sand and gravel

Western limit of muddy sediments with potential for sand and gravel in
Western limit of sandy sediments in
Approximate coastal boundary with potential for sand and gravel

The geophysical and morphologic settings define the sediments suitable for occurrence of coarse sand and gravel. The boundaries and depth contours are appropriate for this purpose. These data has been supplied for the area covered by this map. For further information please refer to 'The mineral resources of Welsh Waters and the Irish Sea'.

The geological and depositional setting of these areas identify the areas prospective for coarse sand and gravel. For further information please refer to 'The mineral resources of Welsh Waters and the Irish Sea'.

The locations of application and licence areas for aggregate extraction are shown. These have been supplied by The Crown Estate, March 2013.

The aggregate resource categorisation flow sheet

Is sand bed sediment present that could potentially constitute a mineral resource?

No

Yes

Are sediments suitable for aggregate exploitation?

%?

Are sediments suitable for construction aggregate?

%?

Are sediments suitable for fine aggregate?

%?

Is the aggregate resource suitable for fine aggregate exploitation?

%?

Is the aggregate resource suitable for construction aggregate exploitation?

%?

Is the aggregate resource suitable for coarse aggregate exploitation?

%?

Is the aggregate resource suitably for the aggregate exploitation?

%?

Is the aggregate resource suitable for construction aggregate exploitation?

%?

Is the aggregate resource suitable for fine aggregate exploitation?

%?

Is the aggregate resource suitable for coarse aggregate exploitation?

%?

Is the aggregate resource suitable for the aggregate exploitation?

%?