

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

THE CROWN ESTATE

East Inshore and East Offshore Marine Plan Areas

Marine Sand and Gravel Resources

Scale 1:500 000

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This map has been commissioned by The Crown Estate. This map is to be used with the accompanying guide 'The mineral resources of the East Inshore and East Offshore Marine Plan Areas, Southern North Sea', British Geological Survey Open Report, OR/12/095.

BGS map reference:
Marine sand and gravel resources of the East Inshore and East Offshore Marine Plan Areas
Bide, T.P., Balson, P.S., Campbell, E. and Green, S.

AGGREGATE RESOURCES

- Coarse aggregate
- Fine aggregate (fine sand)
- Fine aggregate (coarse sand)
- Aggregate suitable for fill
- No resource inferred from available data
- Areas prospective for coarse sand and gravel

AGGREGATE LICENCE AREAS

- Licence and application areas as of March 2013

REGIONAL ENVIRONMENT CHARACTERISATION SURVEYS (REC)

- Humber
- East Coast
- Outer Thames

PLANNING AREAS

- Marine Management Organisation Marine Plan Areas - 1: East Inshore 2: East Offshore
- Median line

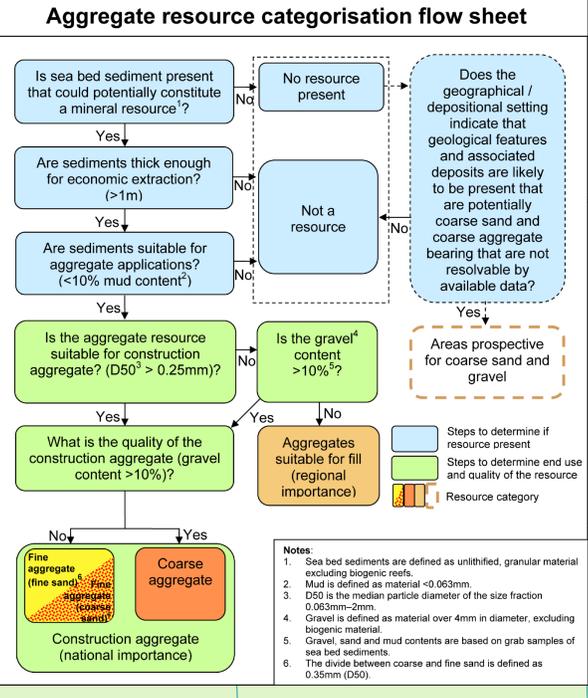
0 50 100 Km

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

- Areas known to contain palaeo-river channels and terraces
- Areas of coarse sand and gravel proved by sea bed sediment samples
- Northern limit of London Clay Formation (surface extent)
- Southern limit of Devensian glacial deposits
- Significant break in slope

Here the geological and depositional setting indicate that sediments suitable for coarse sand and gravel are likely to be present but are not resolvable by the data available for this study. For further information please refer to the accompanying report 'The mineral resources of the East Inshore and East Offshore Marine Plan Areas, Southern North Sea'.

0 50 100 Km



Aims and Limitations

The purpose of the maps in this series is to show the broad distribution of those mineral resources which may be of current or potential economic interest. The maps are intended to assist strategic decision-making in respect of mineral extraction and the protection of important mineral resources against sterilisation. They bring together a wide range of information, much of which is disparate and not always available in a convenient form.

The maps have been produced by the collation and interpretation of mineral resource data principally held by the British Geological Survey. As such the mineral resource data presented are based on the best available information, but are not comprehensive and their quality is variable. The inferred boundaries shown are, therefore, approximate. Mineral resources defined on the map delineate the areas within which potentially workable minerals may occur. These areas are not of uniform potential and also take no account of planning constraints that may limit their working. The economic potential of specific sites can only be proved by a detailed evaluation programme. Such an investigation is an essential precursor to submission of a planning application for mineral working. Extensive areas are shown as having no mineral resource potential, but some isolated mineral extraction may occur in these areas. The presence of these operations generally reflect very local or specific situations that are not resolved by the resolution of data that is available for completion of this regional-scale map and require site-specific investigation to identify. This can result in marine mineral licences covering areas where no resource is shown. It is possible that local variations in geology that are too subtle to be resolved by this regional-scale survey can contain substantial volumes of resource and could prove to be significant future resources. For example, areas around the Humber Estuary have been identified by the aggregate industry as localised thin glaciofluvial deposits intercalated with silt. These deposits can cover small areas, less than 1km (the smallest grid spacing used on the maps), but nevertheless can contain several million cubic metres of sand and gravel.

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

Not to be used for navigation.

The maps are intended for general consideration of mineral issues and not as a source of detailed information on specific localities. The maps should not be used to determine individual planning applications or to take decisions on the acquisition or use of a particular area, although they may give useful background information which sets a specific proposal within context.

The area covered by this map includes several major embayments. For which the majority of these data coverage is poor and sediments are highly variable, as such they have not been included in the study. Bay closing lines, which delineate the boundary of internal waters defined by the UKHO as of August 2012 have, where appropriate, been used to determine the extent of these areas.

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