



## Section 2: Sector Policies

The policies within this Plan are designed to guide all marine and coastal users in terms of proposed and existing development(s) and activities. Users of this Plan must also comply with the National Marine Plan and other relevant legislation.

The general policies within Section 1 of the Plan provide a framework for the sustainable development and use of the marine and coastal environment. These general policies should be adhered to in advance of policies within Section 2 as they are all potentially relevant to any proposal for development or activity by any sector or user of the marine and coastal environment.

Section 2 outlines policy relating to the key current economic activities taking place in the Clyde Marine Region. These policies provide a framework to ensure that the economic, social and environmental benefits are delivered for each sector. The chapters are ordered in the same way as the National Marine Plan.

Each chapter follows the same format, this includes:

- A context which sets out a summary of the main information relevant to the policy area. More information on each of the areas can be found within the [Clyde Marine Region Assessment](#).
- Objectives and policies; objectives provide a measurable strategic aim or goal for each policy area and policies which will deliver the objectives are set out underneath.
- Maps are included at the end of the chapter. For the latest available spatial data, see [National Marine Plan interactive](#) (NMPi). It is recommended that NMPi is used in conjunction with this Clyde Regional Marine Plan.
- Links to further information on the policy area.



## Chapter 15: Marine aggregates

Crown Estate Scotland manages mineral rights to the seabed out to the edge of the continental shelf. Marine aggregate removal is regulated by the Marine Scotland Licensing Operations Team.

### Clyde Marine Region Context

Marine aggregates are naturally occurring sand, gravel or crushed rock used in construction, principally as a component of concrete, or for land reclamation and coastal defence. Minerals are also found formed as nodules or crystals.



Halite.

The British Geological Survey maps these mineral resources on behalf of The Crown Estate Scotland (see MAP AGG 1), however, as this information is desk-based, verification on site would be required to establish any potential for extraction. The Clyde Marine Region has limited aggregate resources; manganese nodules are known to exist in the sea lochs and halite, or salt rock, is expected to be present in the North Channel and into the Clyde Marine Region. There is presently no demand for extraction of aggregates in the Clyde Marine Region. Significant technological and economic changes may lead to a demand in future.

### Objective



**Objective AGG 1** Safeguard marine aggregate resources in the Clyde Marine Region and ensure any future exploitation is in line with regulations, in particular regarding potential environmental impact.

MEASUREMENT: marine licence determination process.

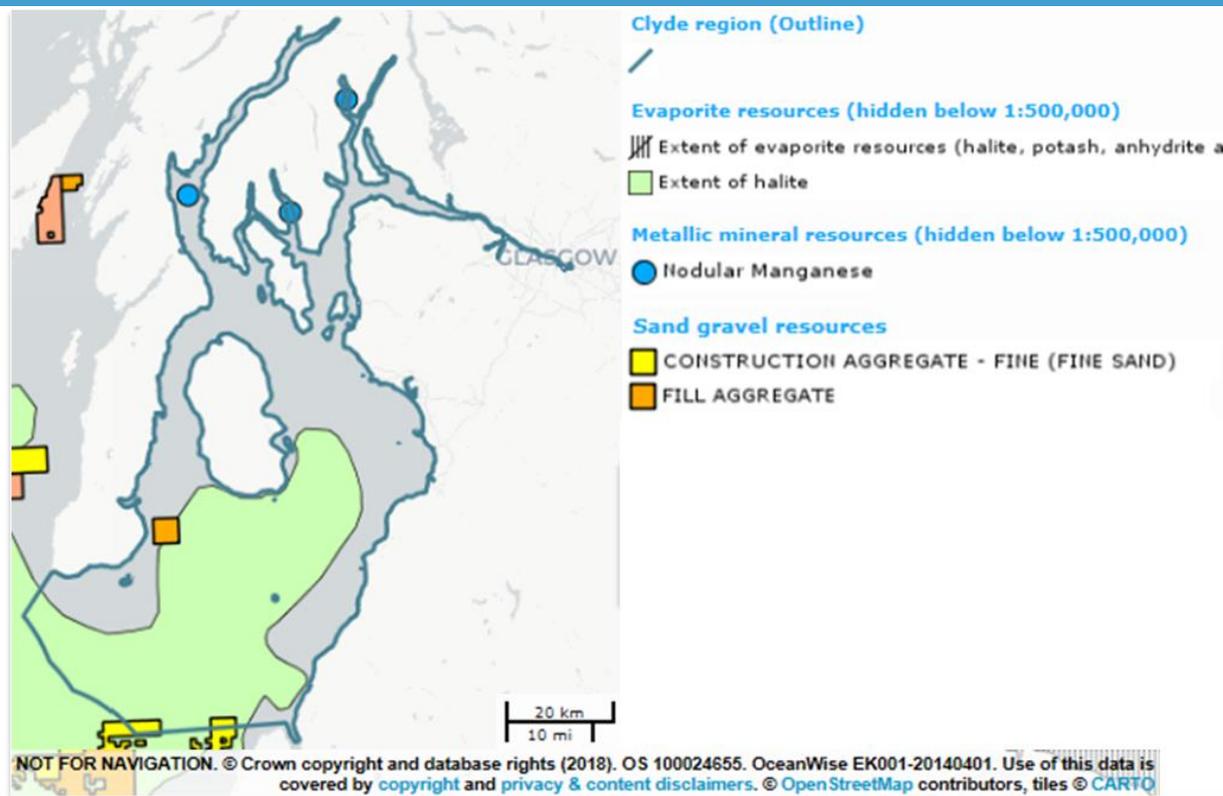
### Policy – Authorisations and consents

**Policy AGG 1** Extraction of marine aggregates will only be supported where the licence application:

- provides a description of the alternatives that have been considered such as alternative sources or materials, including dredged material,
- can demonstrate that marine aggregate extraction is an essential part of the proposed project,

Where an Environmental Impact Assessment is required, it should include an assessment of the physical effects of the operation, including any implications for coastal sediment dynamics.

**Map AGG 1 – Metallic mineral resources, sand gravel resources, evaporite (halite) resources in the Clyde Marine Region.**



These maps are indicative only. For up-to-date mapping with interactive features, visit [National Marine Plan interactive](#).

**Further information**

[Marine aggregates information centre](#)

[The Environmental Impact Assessment and Natural Habitats \(Extraction of Minerals by Marine Dredging\) \(Scotland\) Regulations 2007](#)

Sector analysis for aggregate and mineral extraction within A Strategy for Scotland's Coast and Inshore Waters ([Section 8.1](#))