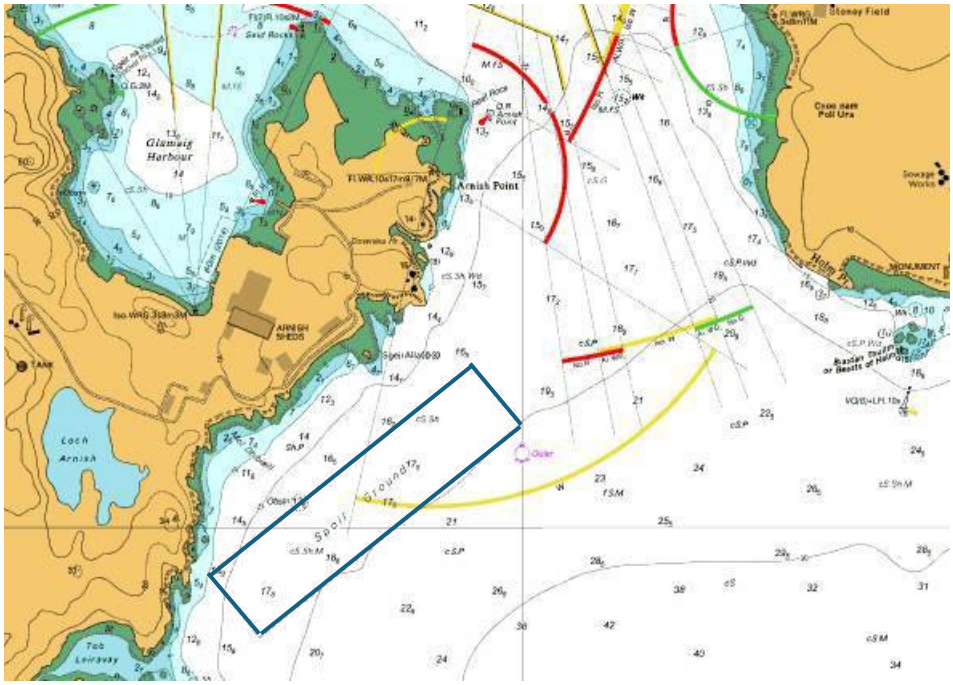
Method Statement

Brevig Inner Harbour and Channel Dredging

Brevig harbour dredging has been identified as part of the 2025-26 recommendations for harbour access improvement by CNES Pier and Harbours. The harbour comprises a rock box type harbour built in the mid 1990 with entrance channel and rock outcrops exposed at low tide. The geological substrata comprises of a conglomerate rock type formation which fragments into its boulder and silt constituent parts upon excavation.

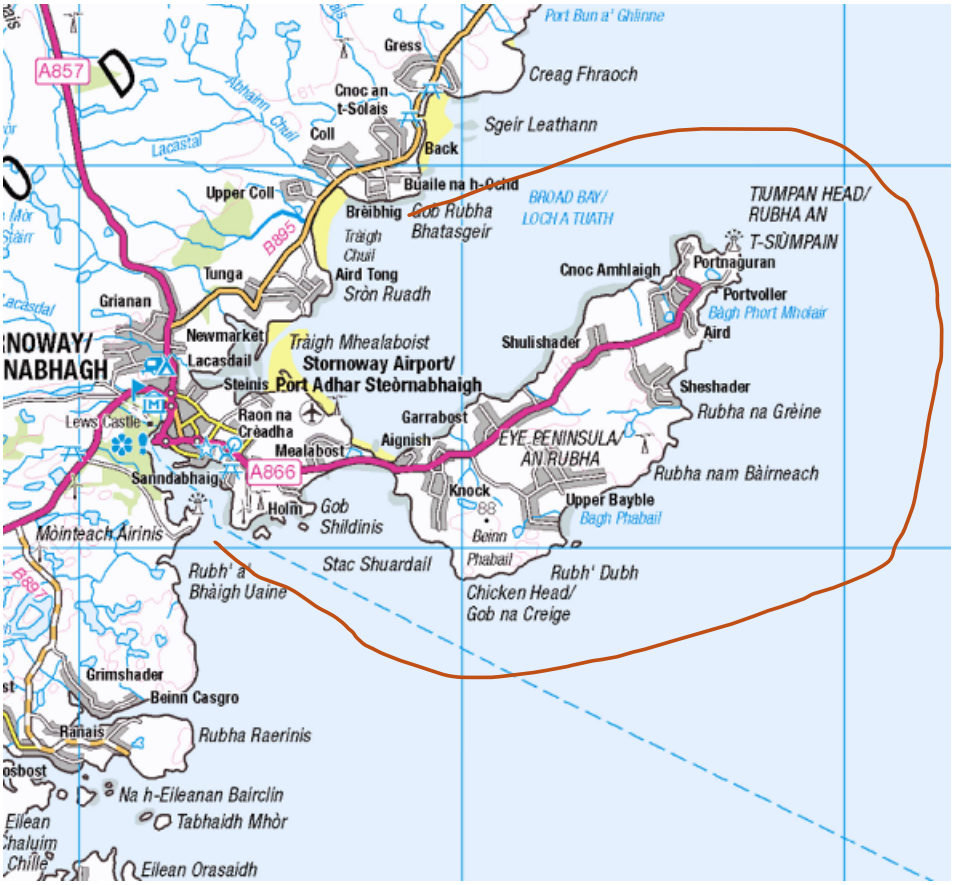
Harbour dredge is proposed to be undertaken in spring 2026 over a 4-5 week period. Marine notices issued shall notify mariners that the harbour will be out of use for the dredging period.

Method of dredging shall be long reach excavator (typically Doosan DX300 - 18m reach) sitting on boxer modular type pontoon with self propulsion. The harbour material shall be excavate to a level of 1.7m below chart datum (tolerance +/_ 100mm). The material shall be transferred into a small split hopper barge with hold capacity of at least 160 cu.m. and taken to marine disposal site off Arnish Point, Isle of Lewis. Barge or barges in shuttle will require approximately 20 return trips.



Designation disposal site blue boundary

Total volume of sand to be removed shall be approximately 3000 cu.m and shall comprise of mostly inert sand with some rock over break.



Route of disposal barge Brevig to Arnish Point

Rate of Dredge/Timing and Vessel Management Plan

Rate of dredge for long reach excavator 0.8m^3/hr = 20.8 days for operation.

Vessel route to disposal 44.6km. Vessel speed 4 knots. 1 No trip per day @ 160c.um capacity.

The operation timing shall be dependent on the vessel barge operation and shall require the use of 2 No barges working in a shuttle operation back and forth. Total duration 4 weeks based on a 5 day week or 3 weeks based on a 6 day week.

No Sunday works permitted.