



Bord Iascaigh Mhara
Irish Sea Fisheries Board

Seed Mussel Survey Report for Howth & Lambay Sound – 5 and 6/07/2016

Vessel: MV T.Burke (BIM), Skipper John Murphy, Survey Officer Nicolas Chopin

Equipment: 400 kHz side scan sonar, 1 meter dredge.

Area surveyed: Doldrum Bay, Nose of Howth and Lambay Sound

Survey summary:

- **Howth (see map):**

Only a limited area was surveyed around Howth, one tow was taken at the Nose of Howth but nothing was found. Side scan sonar data was collected on the east side of Doldrum Bay. No particular features were observed at the time but three tows were made in the area. A little bit of new spat was found in small quantities in two tows. The seed has settled on bryozoan and was only a few millimetres in length.

Table 1: Areas coordinates (in Degrees, decimal minutes WGS84):

Latitude	Longitude
53° 21.386' N	6° 4.120' W
53° 21.235' N	6° 4.993' W
53° 21.319' N	6° 5.015' W
53° 21.476' N	6° 4.182' W

NOTE: The area displayed on the map is only a possible estimation of the spat fall. These coordinates represent a simplified polygon of the area of the possible settlement identified.

- **Lambay:**

Very limited survey has taken place in the Lambay Sound due to static fishing gear and rough seabed. Only few tows were made but no seed was found.

Bottom type: Sand and shells with patches of stones in Doldrum Bay.

Recommendations:

The area should be checked again prior to the opening of the fishery, to assess any development of the spat.

Nicolas Chopin
BIM Inshore Survey Officer
Aquaculture Technical Section

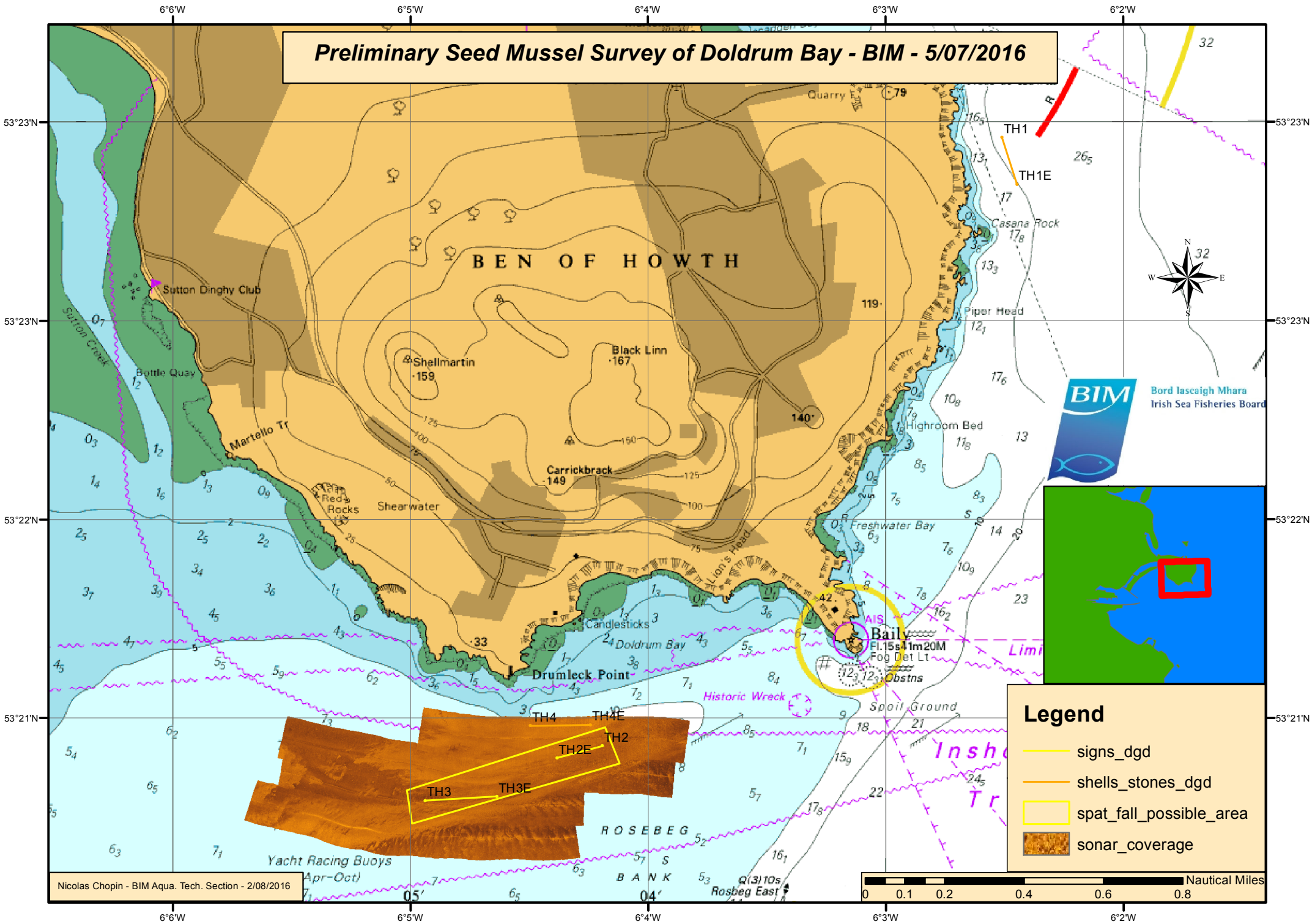
Notes for the maps:

TH stands for Tow Howth

In the legend dgd stands for Dredge



Preliminary Seed Mussel Survey of Doldrum Bay - BIM - 5/07/2016



Legend

- signs_dgd
- shells_stones_dgd
- spat_fall_possible_area
- sonar_coverage

Nicolas Chopin - BIM Aqua. Tech. Section - 2/08/2016

0 0.1 0.2 0.4 0.6 0.8 Nautical Miles