

## Seed Mussel Survey Report for the Northwest Long Bank Area – 20/05/2014

**Vessel:** MV T'Burke (BIM), Skipper John Murphy, Survey Officer Nicolas Chopin

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

**Area surveyed:** South of the North Long cardinal buoy

### Survey summary:

Following on the preliminary surveys carried out in mid-April / start of May, during which no seed or spat were found; more areas around Wexford were checked.

Some small spat was found south of the North Long cardinal buoy; tows were made following features observed on the side scan sonar data. Three tows successfully brought back stones and shells with recent spat fall.

The distance covered by the tows represents 1.4 kilometres approximately. The size of the spat varies from 1 to 3 mm; no accurate density could be established at this time due to the very small size of the spat.

Coordinates for the general spat fall area (in Degrees, decimal minutes WGS84):

Latitude	Longitude
52° 20.887' N	6° 17.439' W
52° 20.112' N	6° 17.626' W
52° 20.162' N	6° 17.777' W
52° 20.891' N	6° 17.607' W

**Bottom type:** Coarse sand with old oyster shells, average depth: 19 meters.

### Recommendation:

It is premature to make any meaningful recommendations about this promising spat fall. The area will be surveyed again in a month's time to gather more data.

Nicolas Chopin  
BIM Inshore Survey Officer  
Aquaculture Technical Section

### Notes for the map:

TR stands for Tow Rosslare  
In the legend Dgd stands for Dredge

# Seed Mussel Survey Map of the West Long Bank- BIM- 20/05/2014

North Long



TR22E

TR21E

TR22

TR21

TR20E

TR20

TR19E

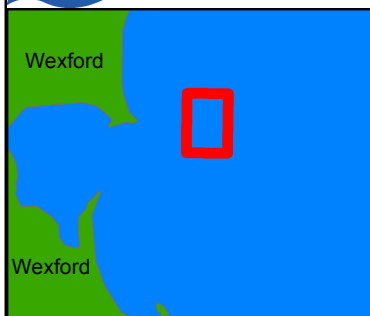
TR19

TR18E

TR18

TR17E

TR17



## Legend

- signs\_dgd
- other\_species\_dgd
- shells-stones\_dgd
- sonar\_coverage
- spatfall\_area
- 05\_meters
- 10\_meters
- 20\_meters

0 0.075 0.15 0.3 0.45 0.6 Nautical Miles

Nicolas Chopin - BIM Aqua. Tech. Section- 19/06/2014