

## Preliminary Seed Mussel Survey Report for Cromane and Kells Bay – 06/06/2019

**Vessel:** MV T.Burke II (BIM), Skipper John Murphy, Survey Officers Nicolas Chopin, Adam Andrews.

**Equipment:** 1 meter dredge and 400 kHz side-scan sonar

**Area surveyed:** Cromane and Kells Bay

### Survey summary:

This survey is preliminary, as what has been found so far will need time to grow. A quantitative survey will be carried out later in the summer.

- **Cromane:** The good settlement in the channel of 2018 which was lost to storms was found to be due to the Inch sand bank shifting 50 m south. The middle of the channel now consists of sand rather than gravel as previous. As part of this preliminary survey, the channel and the inside of Cromane area were checked. A total of 16 tows were made, where 10 contained signs of newly settled seed (1-2 mm). The tows show the presence of juvenile starfish even at this early stage.
- **Kells Bay:** This area has not previously been surveyed for settlement. A drifter released in 2018 suggested larvae may be dispersed to this area. An inspection of the ground type showed that this area is unsuitable for fishing due to large rocks. We were unable to identify if seed was present here. A camera survey will be conducted on suitable tides later in the season.

**Bottom type:** Mainly gravel with stones, sand in the inner channel. Rocks only in Kells Bay

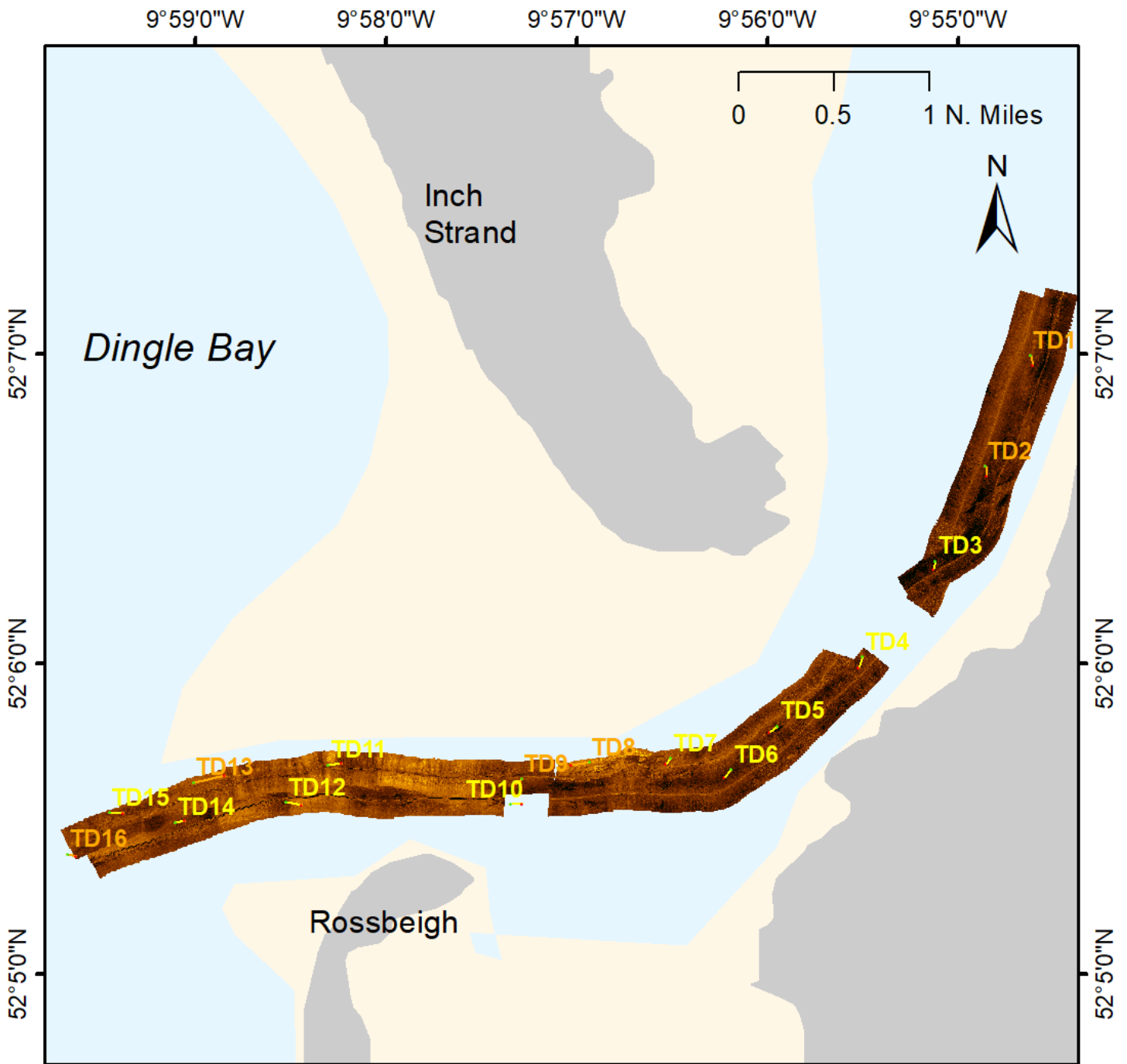
### Recommendations:

The settlement in the channel need to be monitored for predator impact and growth. It is too soon to carry out tonnage estimation as the seed is still small. The areas will be resurveyed before the fishery starts.






BIM Inshore Survey Team  
Seafood Technical Services and Business Unit

### Notes for the map:

TD stands for Tow Dingle





**Preliminary Seed Mussel Survey  
Cromane - June 2019**

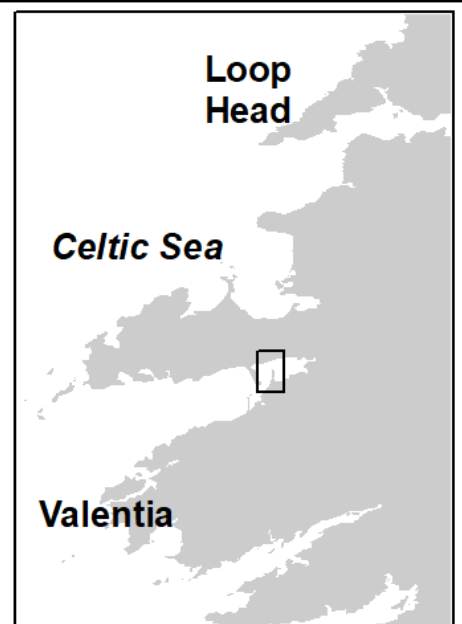
-  Side Scan Survey Extent
-  Tow End
-  Tow Start
-  Signs of seed mussel
-  Stones/shell only

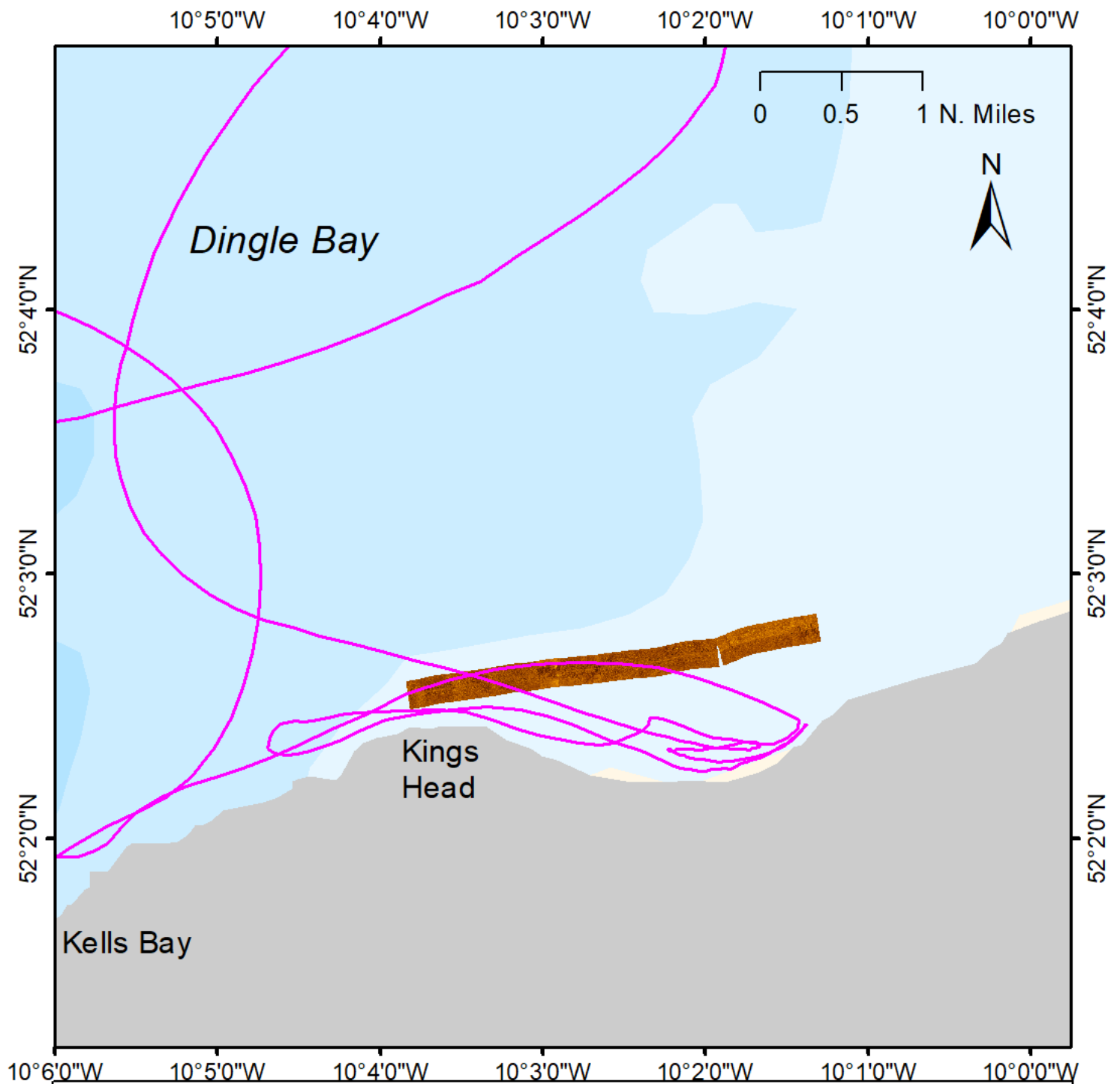


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Created by Adam J. Andrews.  
Projection: WGS 1984.



**Depth (m)**

-  -1
-  > -10





### Preliminary Seed Mussel Survey Kells Bay - June 2019

-  Side Scan Survey Extent
-  Drifter track



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