

# Beara Sound

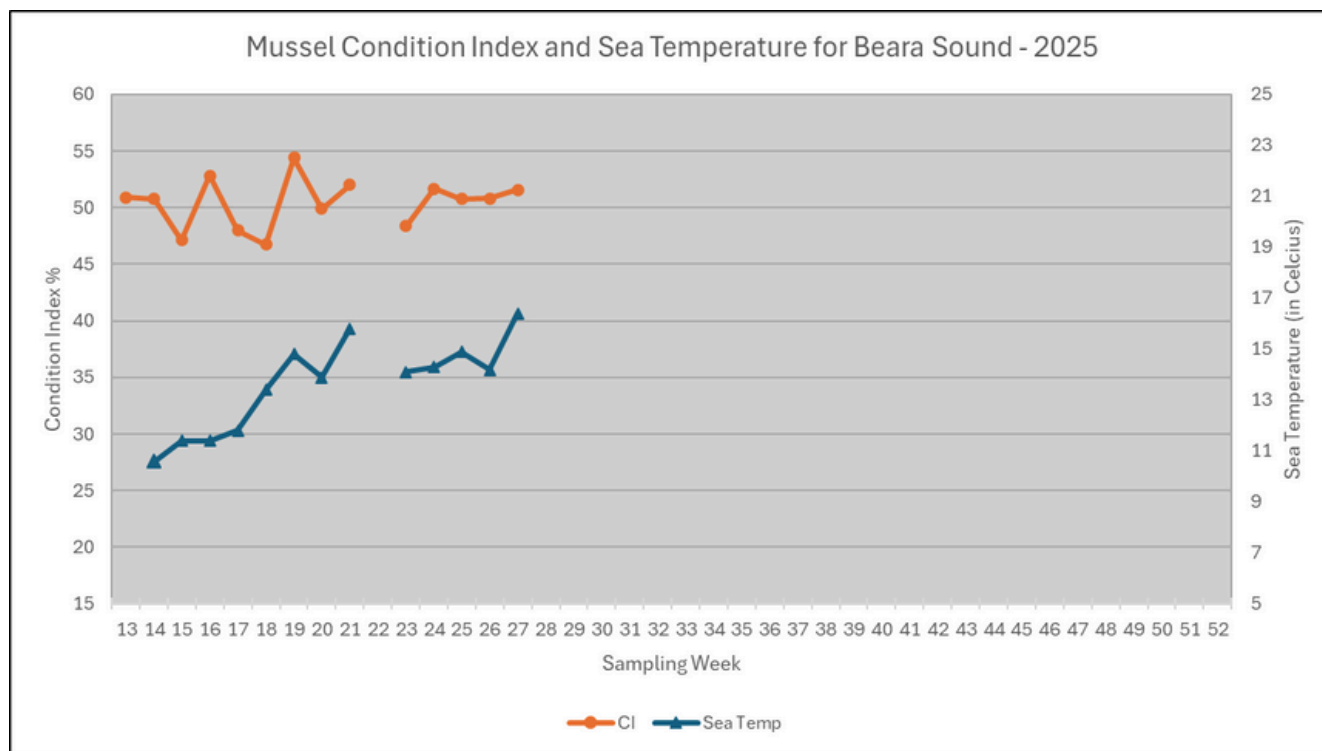
Southwest Mussel Larvae sampling

7<sup>th</sup> July 2025

Week 27 (30/06/2025 to 06/07/2025)

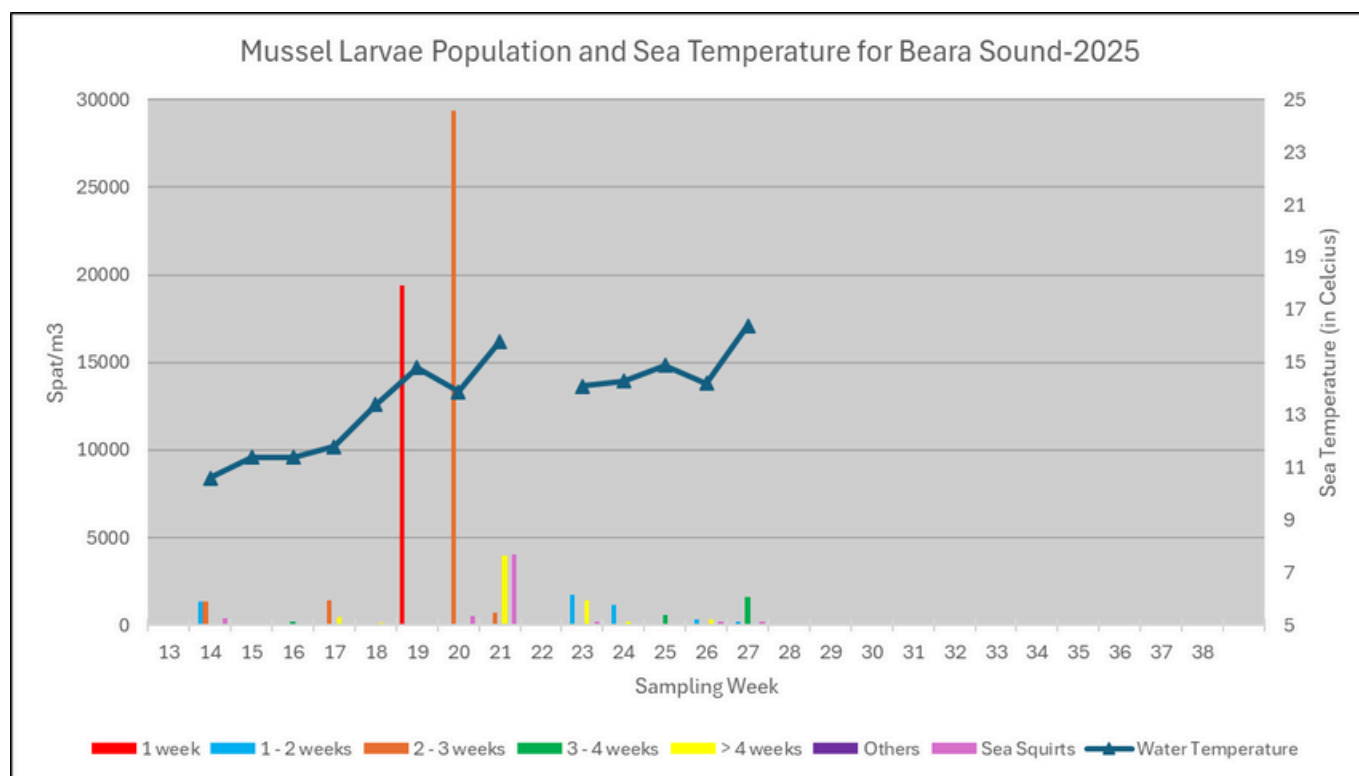


## Condition Index (CI) for Beara Sound



# Larvae population evolution for Beara Sound

For each sample, mussel larvae are classed by age: 1 week old, 1 to 2 weeks old, 2 to 3 weeks old, 3 to 4 weeks old, over 4 weeks old and others (younger or older).



## Commentary

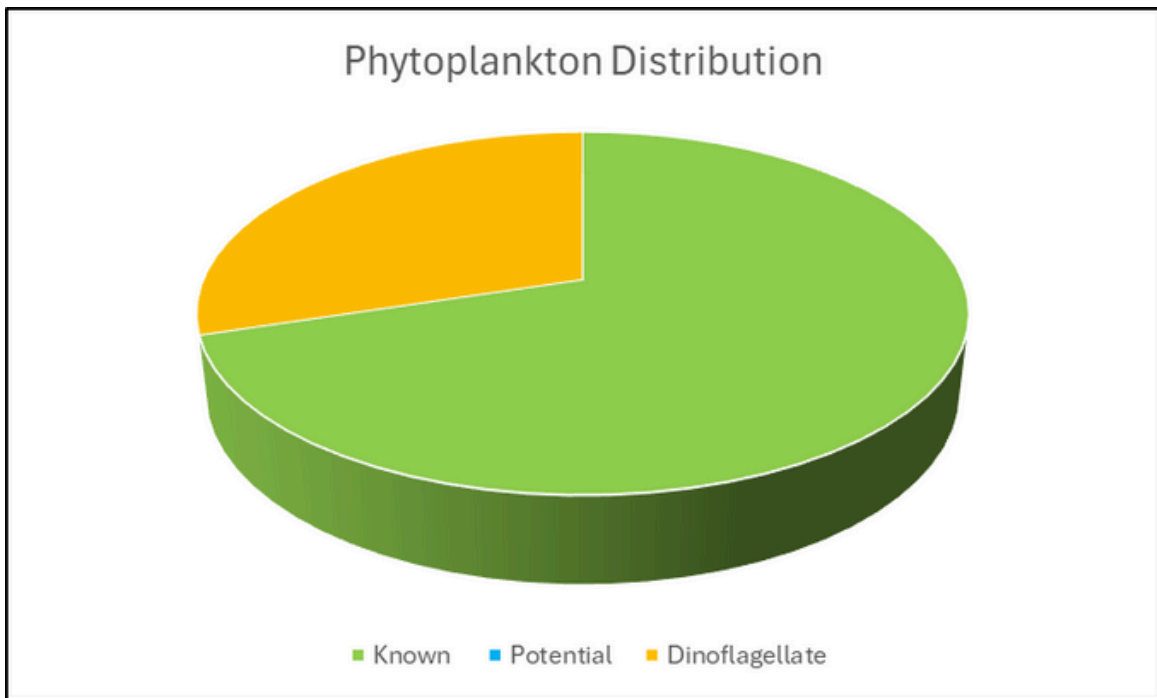
The Condition Index increased to 51.6% (+0.8 from Week 26) while the sea temperature decreased significantly to 16.4°C (+2.2°C from the previous week).

The sample indicated a significant concentration of larvae: 1,806 spat/m<sup>3</sup> composed at 90% of 3 to 5 weeks old and 10% of 1 to 2 weeks old.

**Further settlement should be expected in the coming 1 to 2 weeks. Already settled spat should start to be visible on collectors (few millimetres in length).**

The level of sea squirt in the sample was 177 ind./m<sup>3</sup>. There was a high level of debris in the sample. Copepods concentration was low. Chaetoceros sp. were dominant in a low to moderate concentration.





The phytoplankton biomass decreased on Week 27 to 143,560 cells/litre composed at 70% of known food source and 30% of dinoflagellate.

