

# Beara Sound

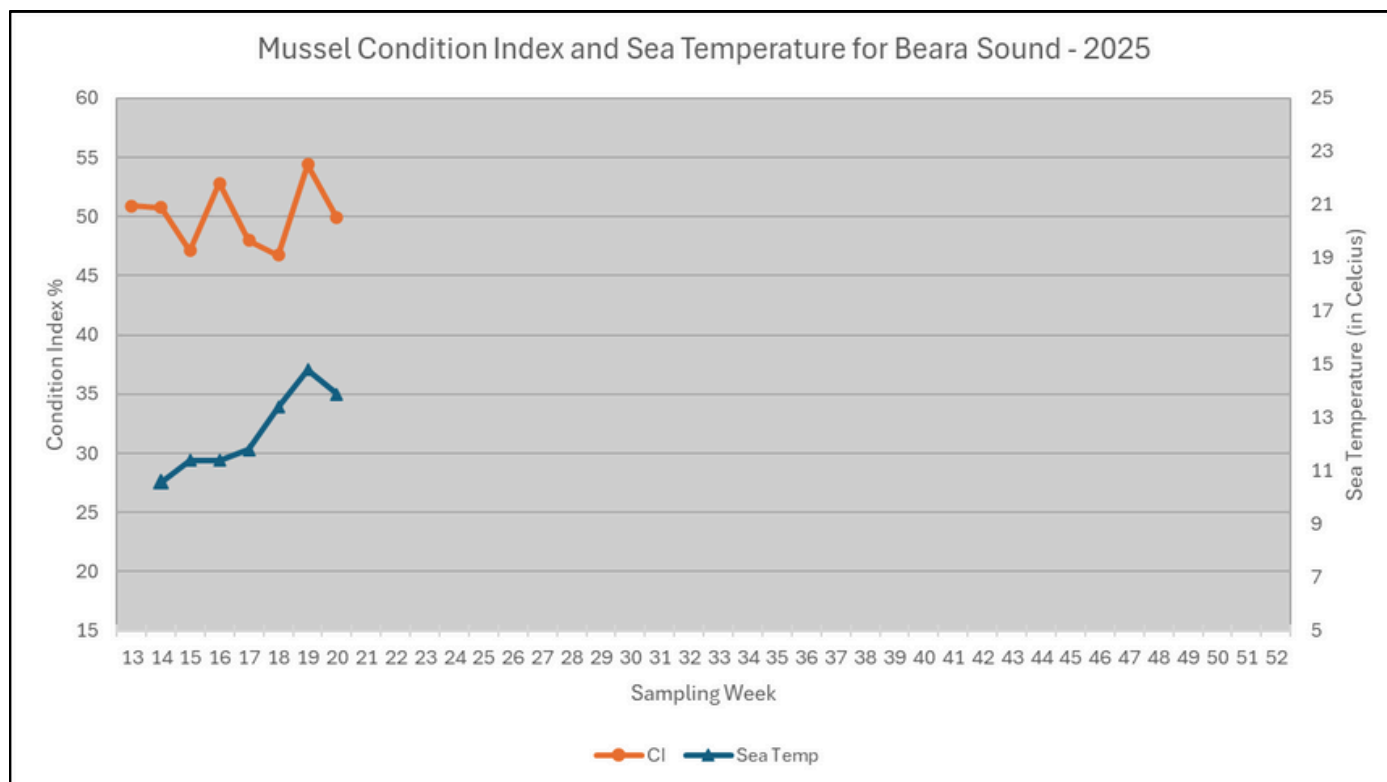
## Southwest Mussel Larvae sampling

19<sup>th</sup> May 2025

Week 20 (12/05/2025 to  
18/05/2025)

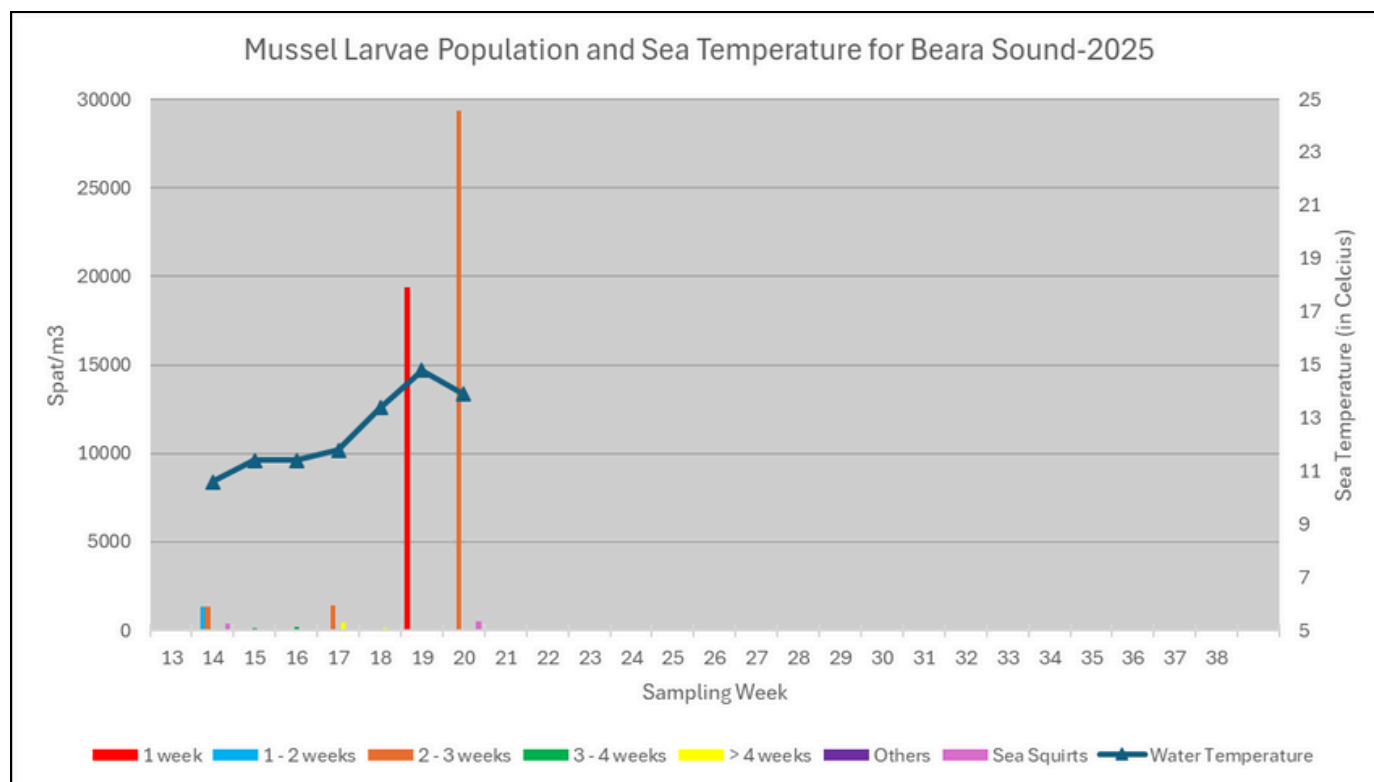


## Condition Index (CI) for Beara Sound



# 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 mussel Condition Index (CI) decreased by 4.5% from Week 19 (down to 49.9 %). The sea temperature decreased slightly (-0.9°C) to 13.9°C.

**A very high concentration of larvae was observed in the sample: 29,350 spat/m<sup>3</sup> of 2 to 4 weeks old larvae.** This represents an increase of 10,000 spat/m<sup>3</sup> from the previous week and could be related to the large quantity of 1 week old larvae from Week 19.

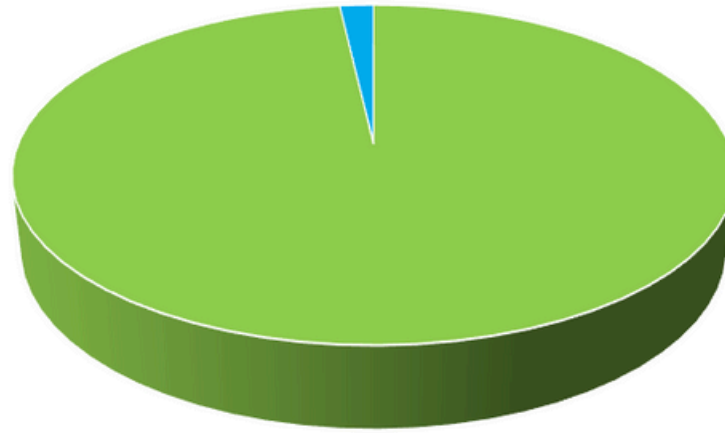
**A possible large settlement could be expected in the coming 2 weeks.**

The sea squirt concentration increased to 543 ind./m<sup>3</sup>. Levels of copepods and barnacles were low. Rhizosolenia and Chaetoceros sp. were also in low concentrations.

The phytoplankton sample indicated low concentration in comparison with previous weeks; 44,400 cells/litre composed at 98% of known larvae food and 2% of potential food.



## Phytoplankton Distribution



■ Known ■ Potential ■ Dinoflagellate



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Arna chomhchistiú ag  
an Aontas Eorpach  
Co-Funded by the  
European Union