

# Beara Sound

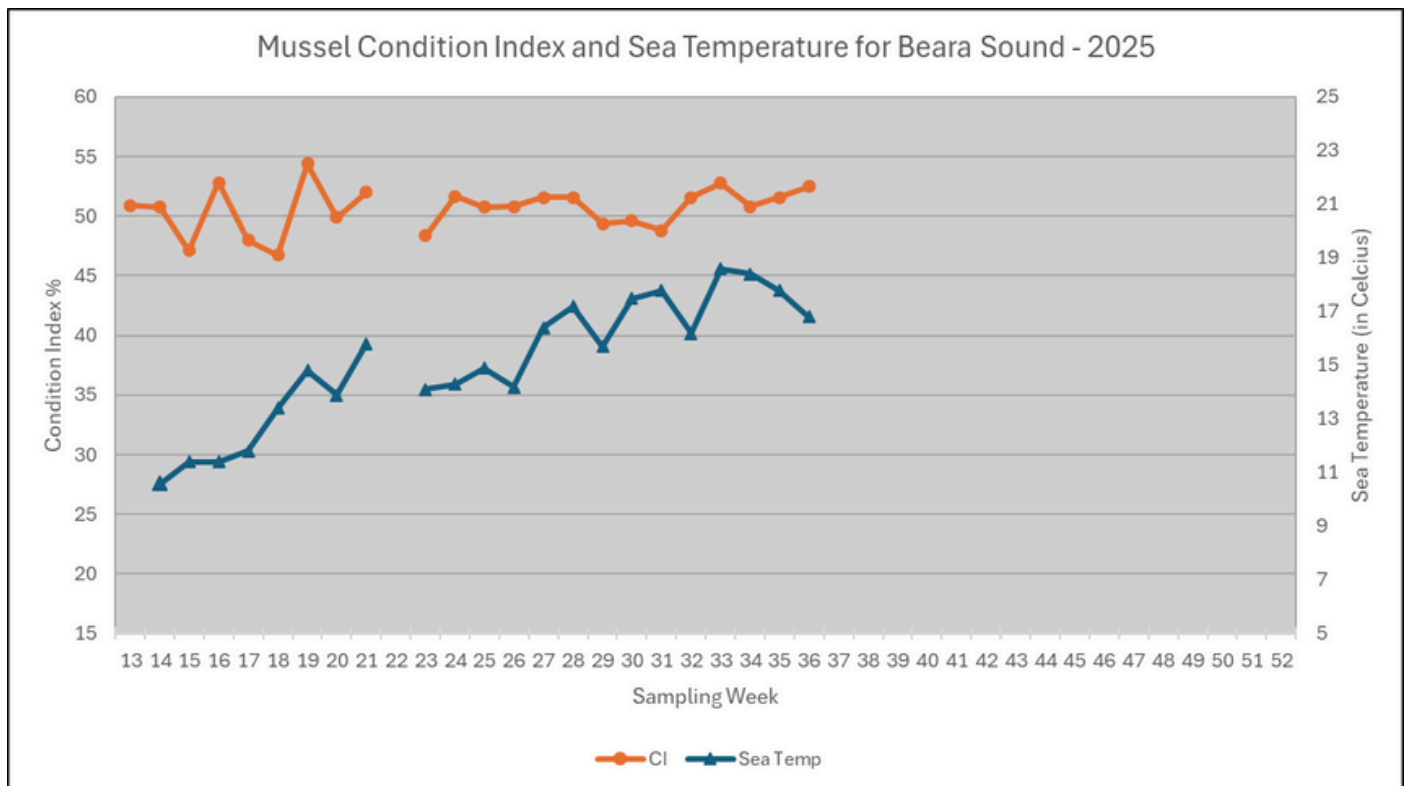
Southwest Mussel Larvae sampling

8<sup>th</sup> September 2025

Week 36 (1/09/2025 to 7/09/2025)

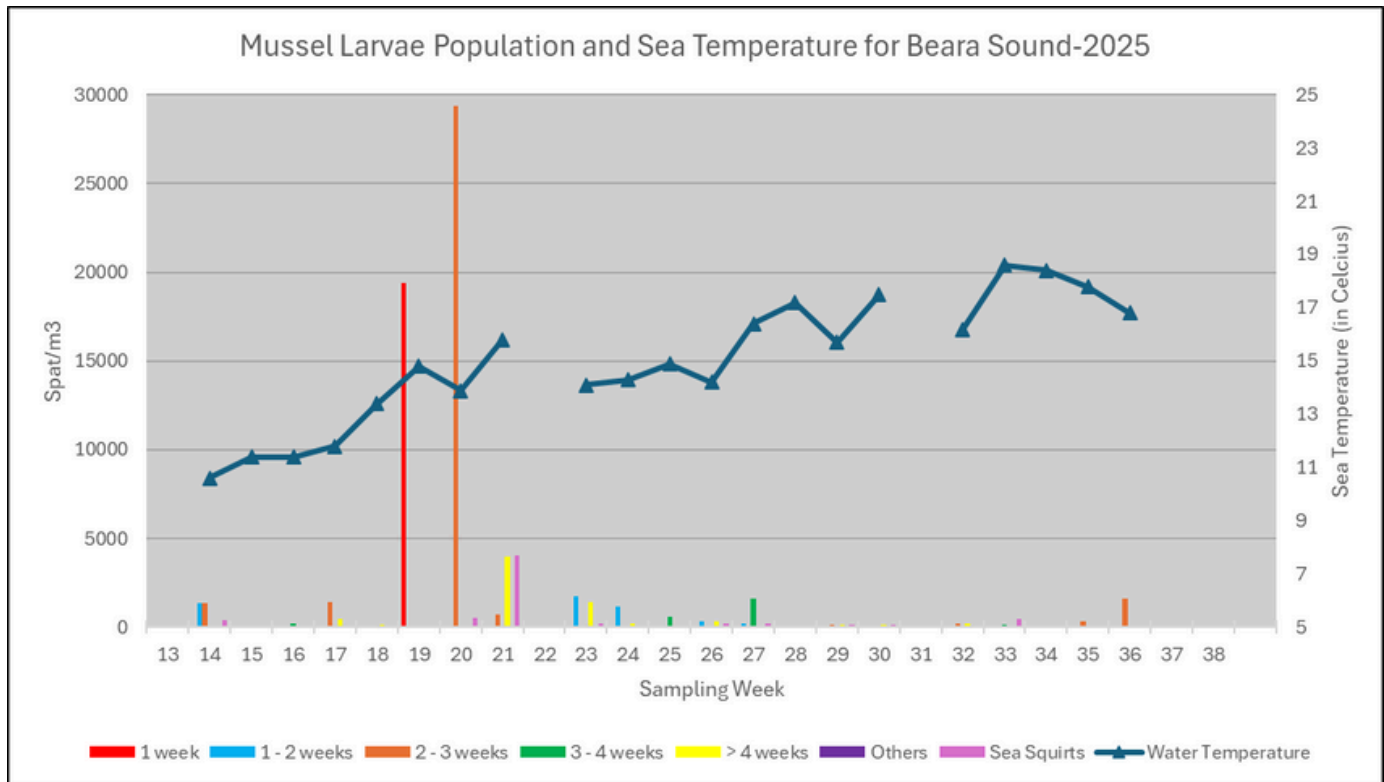


## Condition Index (CI) for Beara Sound



# 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

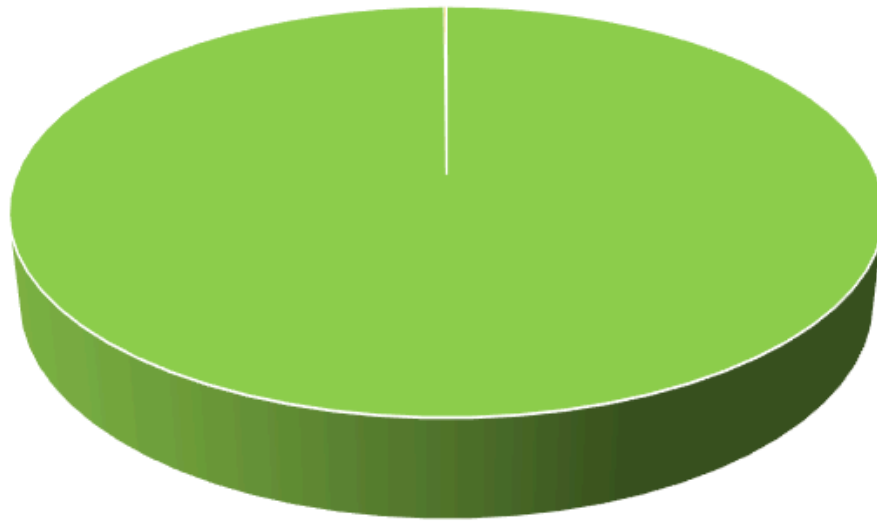
The Condition Index (CI) for the Beara station showed further increase on Week 36 at 52.5 % (+0.9 % from the previous week). The sea temperature decreased by 1°C from Week 35 to 16.8°C.

The larvae concentration in sample to **1630 spat/m<sup>3</sup> of 2 to 4 weeks** old larvae which is a significant increase in comparison with the last two weeks and likely related to some recent spawning event. This was not reflected in the CI monitoring. **Some further settlement should be expected in the coming weeks.**

There was no sea squirt observed in the sample. A second bivalve species was present at a moderate concentration. The phytoplankton biomass in the sample was very high with, *P.n. del*, *P.n. seriata*, and diatoms dominating the species found. *M. atlantica* and *Noctiluca* were also present in high levels.



## Phytoplankton Distribution



■ Known ■ Potential ■ Dinoflagellate

The phytoplankton concentration significantly increased in Week 3 to **108,240 cells/litre**, dominated by known food source species (>99%) and some traces of dinoflagellate (<1%).

