

Beara Sound

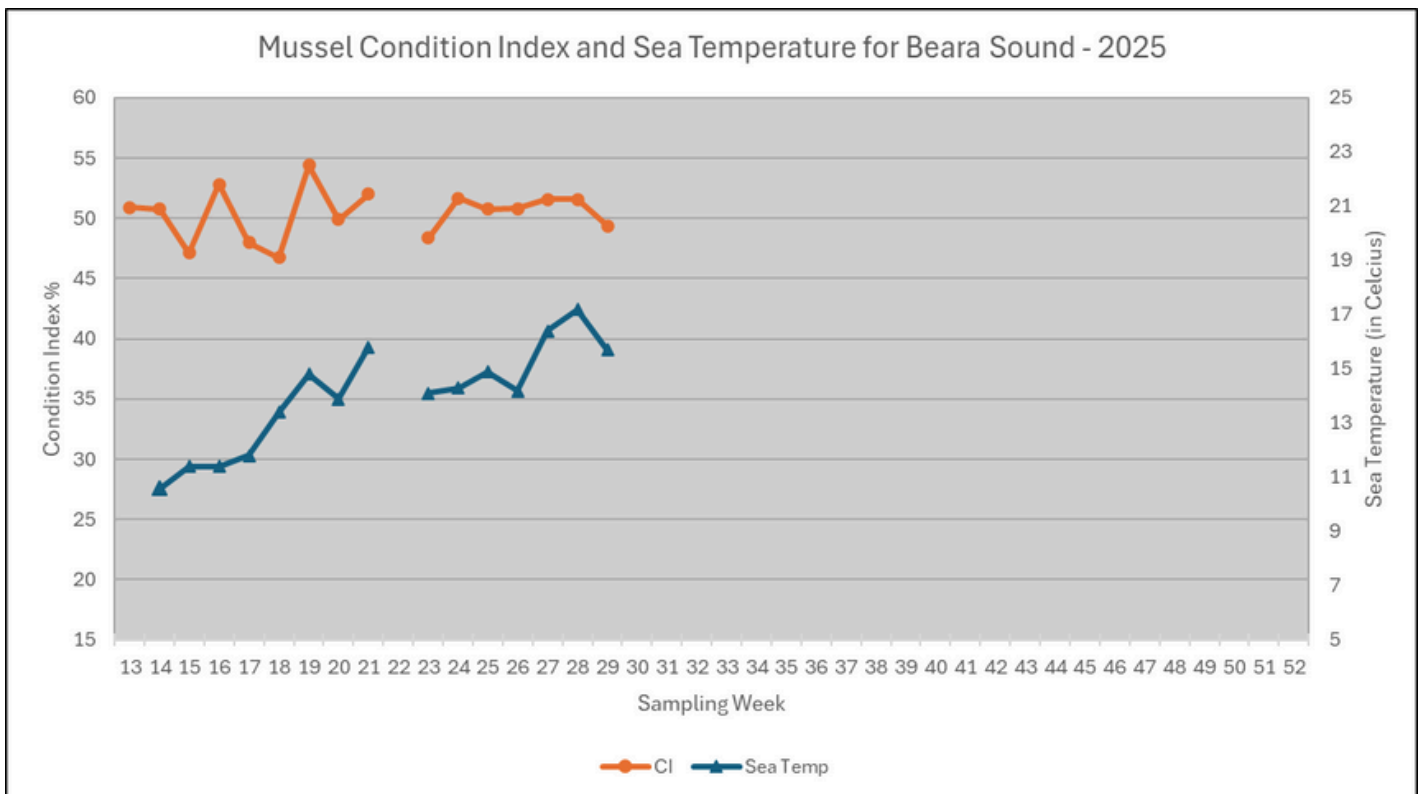
Southwest Mussel Larvae sampling

21st July 2025

Week 29 (14/07/2025 to 20/07/2025)

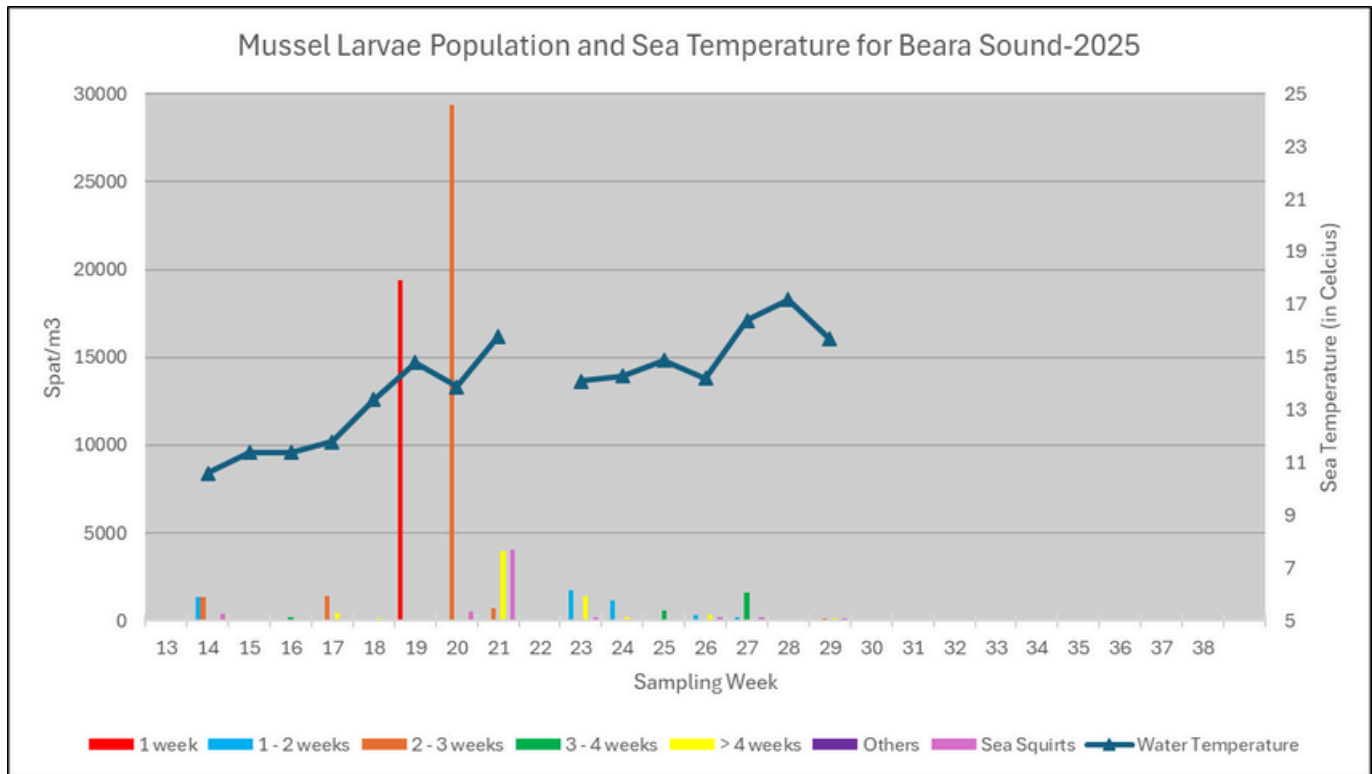


Condition Index (CI) for Beara Sound



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

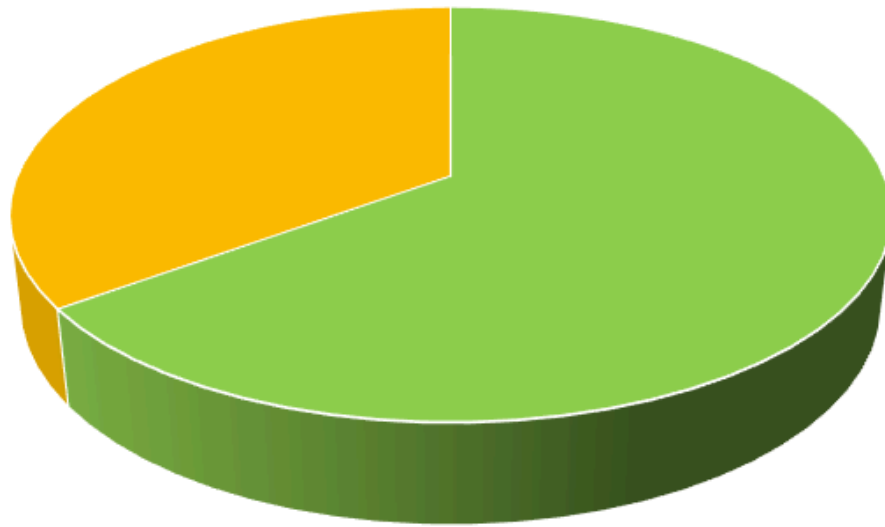
The Condition Index (CI) for the Beara station decreased by 2.2% from the previous week, to 49.4 %. The sea temperature also decreased to 15.7°C (-1.5°C from the previous week).

The larvae concentration dropped significantly from Week 27 to 291 spat/m³, composed at 50% of 5 to 6 weeks old larvae and 50% of 2 to 3 weeks old larvae. **Considering previous larvae concentration, it appears that some settlement occurred and that the remaining old larvae will settle in Week 29.**

The level of sea squirt in the sample was 156 ind./m³. The sample also presented very high levels of copepods and moderate levels of a second bivalve species. The phytoplankton biomass in the sample presented very high concentrations of Ceratium and Coscinodiscus.



Phytoplankton Distribution



■ Known ■ Potential ■ Dinoflagellate

The phytoplankton concentration was in Week 29 to 24,640 cells/litre, dominated by known food source species (65%) and some dinoflagellate (35%).

