

# Kilmackilloge Harbour

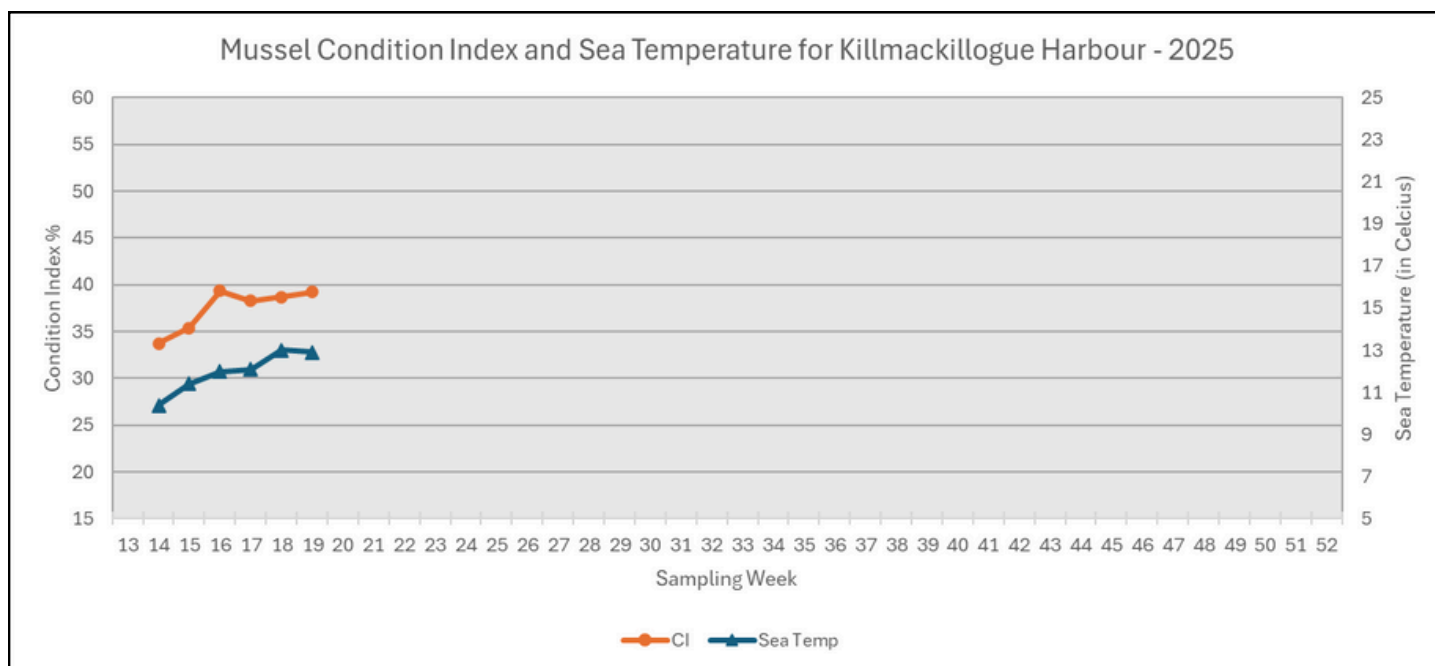
Southwest Mussel Larvae sampling

12<sup>th</sup> May 2025

Week 19 (05/05/2025 to  
11/05/2025)

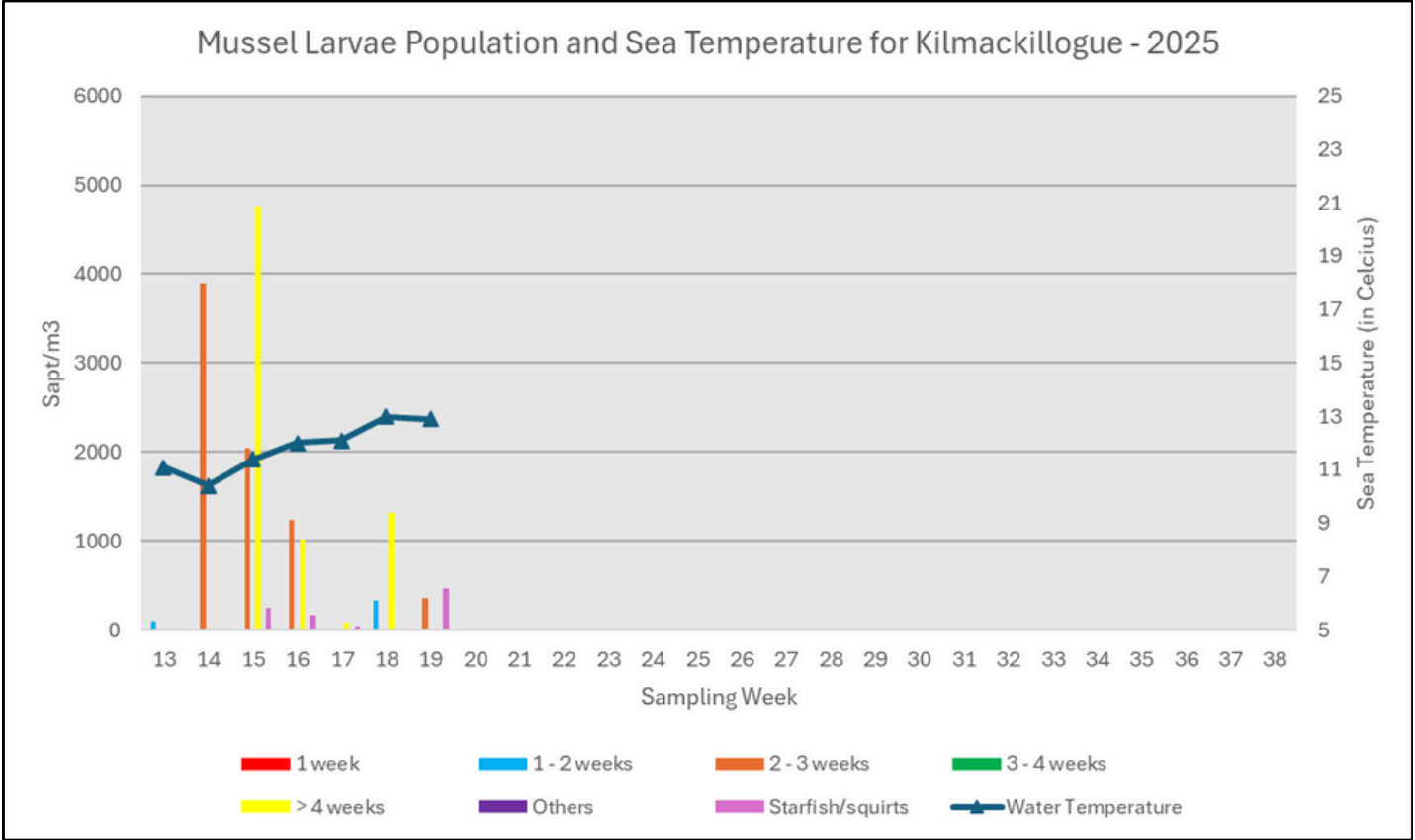


## Condition Index (CI) for Kilmackilloge Harbour



# Larvae population evolution for Kilmackilloge Harbour

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).



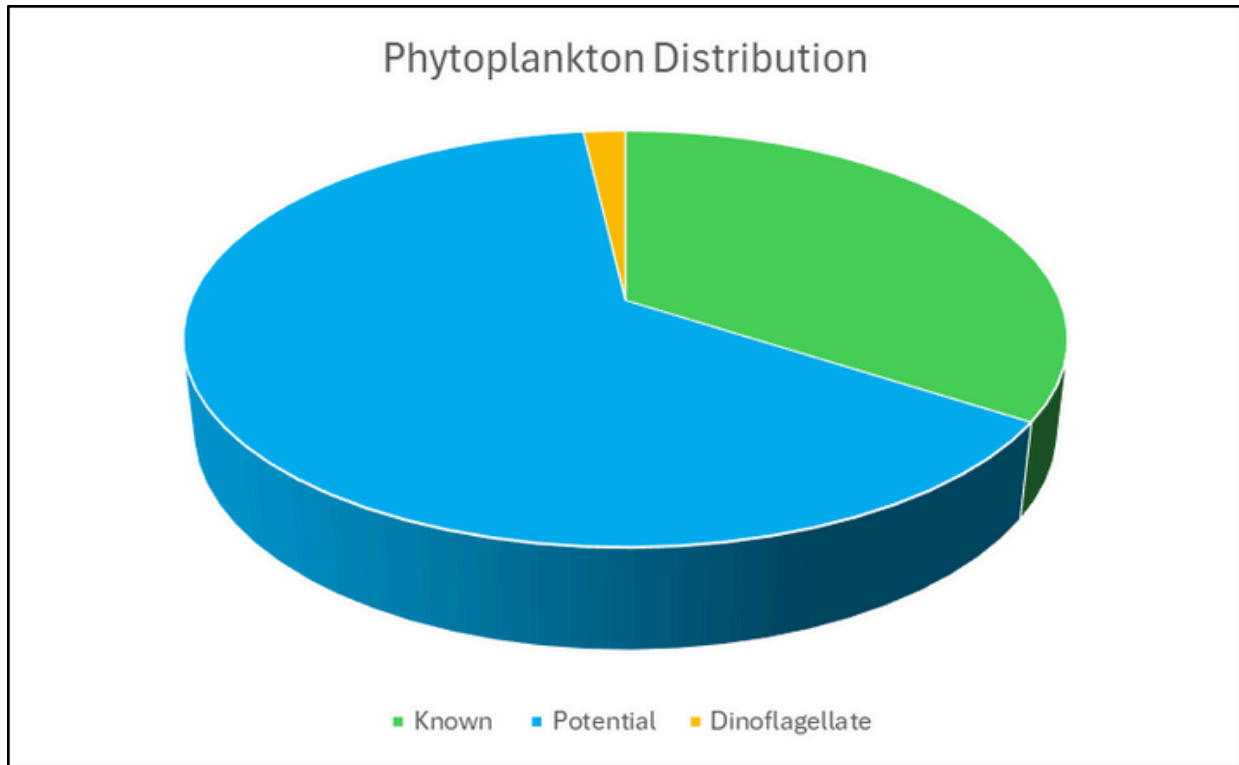
## Commentary

The Condition Index (CI) is stable at 39.2% (+0.5% from Week 18). The sea temperature decreased only by 0.1°C to 12.9°C.

The sample presented a low number of larvae: 355 spat/m<sup>3</sup> of 2 to 3 weeks old.

The sea squirt concentration was 466 individuals/m<sup>3</sup>. Copepods and second bivalve species were observed in moderate concentrations. The sample contained a very high concentration of mixed diatoms, including Guinardia, Ceratulina, Rhizosolenia and Pseudo-Nitzschia seriata group species.





The phytoplankton concentration significantly increased from Week 18 to 486,200 cells/litre, dominated by potential but not preferred food species at 64%, followed by known food source species at 34% and finally a bit of dinoflagellate representing 2%.

