

Kilmackilloge Harbour

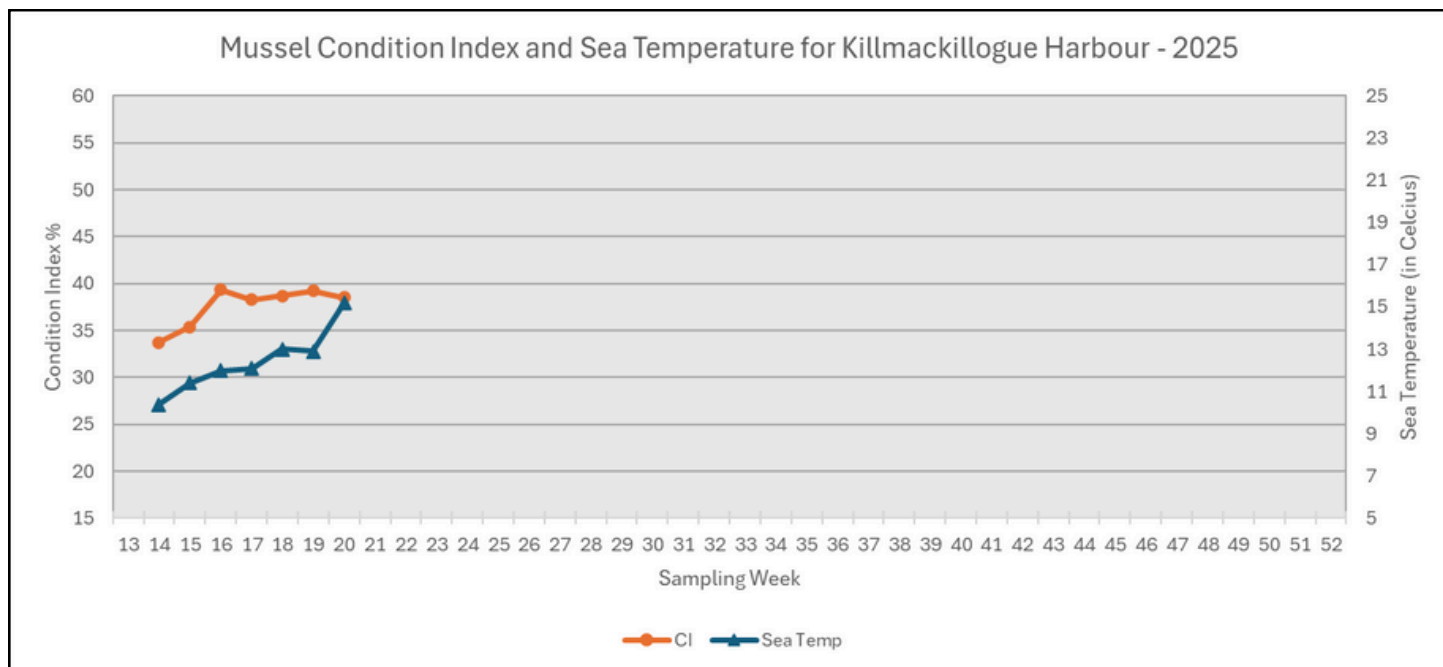
Southwest Mussel Larvae sampling

19th May 2025

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

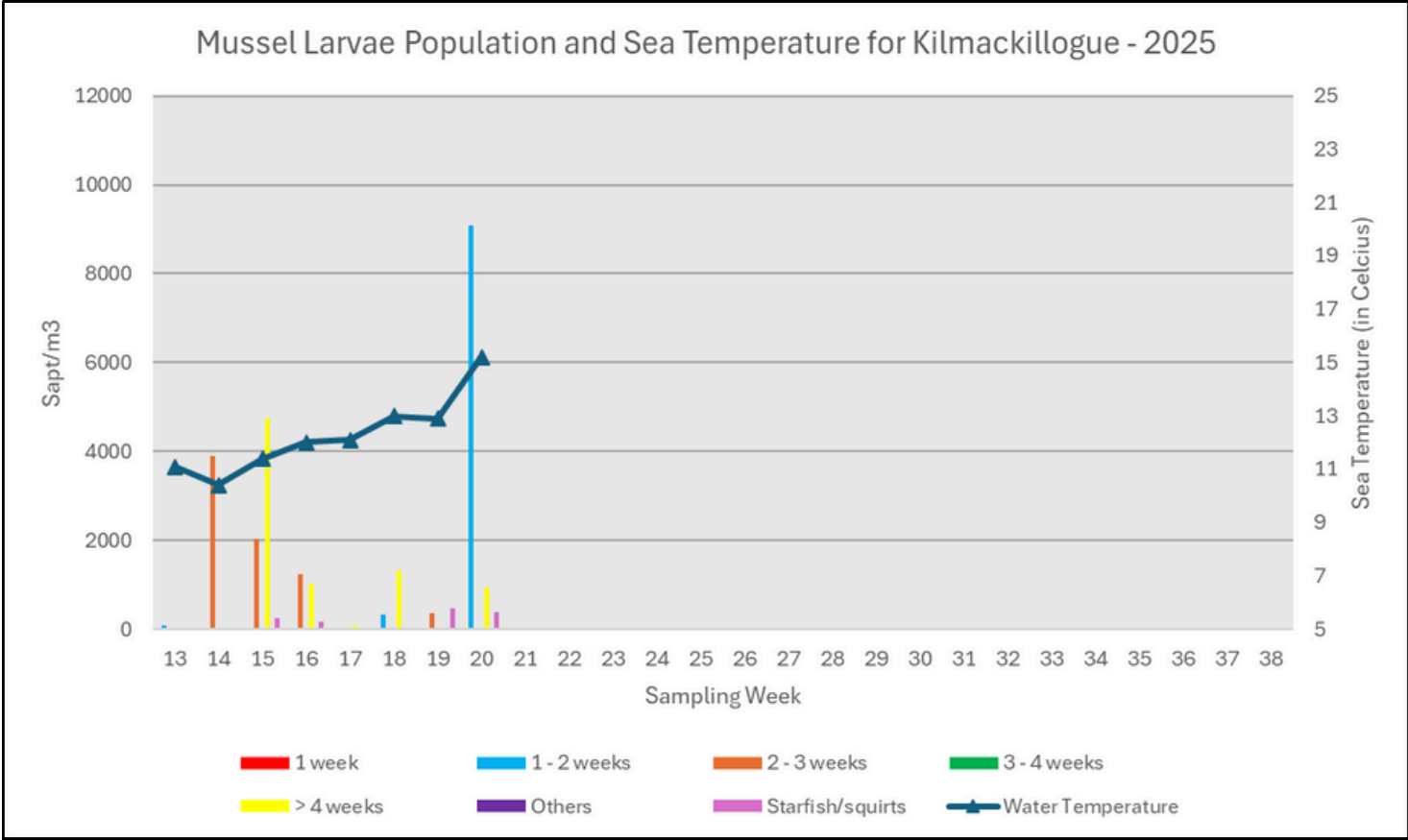


Condition Index (CI) for Kilmackilloge Harbour



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).



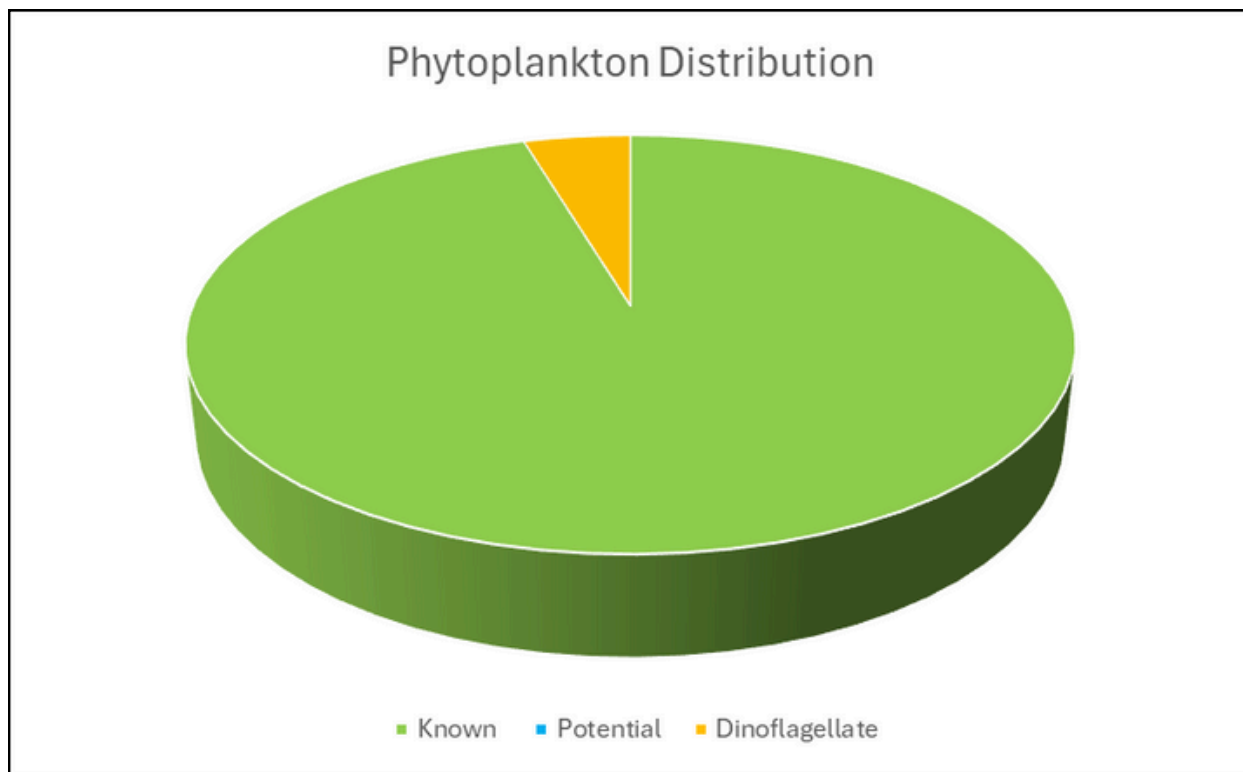
Commentary

The Condition Index (CI) is still stable at 38.5% (-0.7 % from Week 19). **The sea temperature significantly increased to 15.2°C (+2.3°C).**

The sample presented a large concentration of larvae dominated by 1 to 2 weeks old (9,038 spat/m³) followed by 5 to 6 weeks old (946 spat/m³). According to the evolution of levels of larvae observed so far, the concentration observed for Week 20 could produce a second settlement later in June.

The sample presented a moderate concentration of sea squirts (377 ind./m³) and very high levels of copepods. Ceratulina , Leptocylindrus and Pseudo-nitzschia seriata concentrations were all high.





The phytoplankton concentration significantly decreased from Week 19 to 38,000 cells/litre, dominated by known food source species at 95% and a small quantity of dinoflagellate representing 5%.

