

Kilmakilloge Harbour

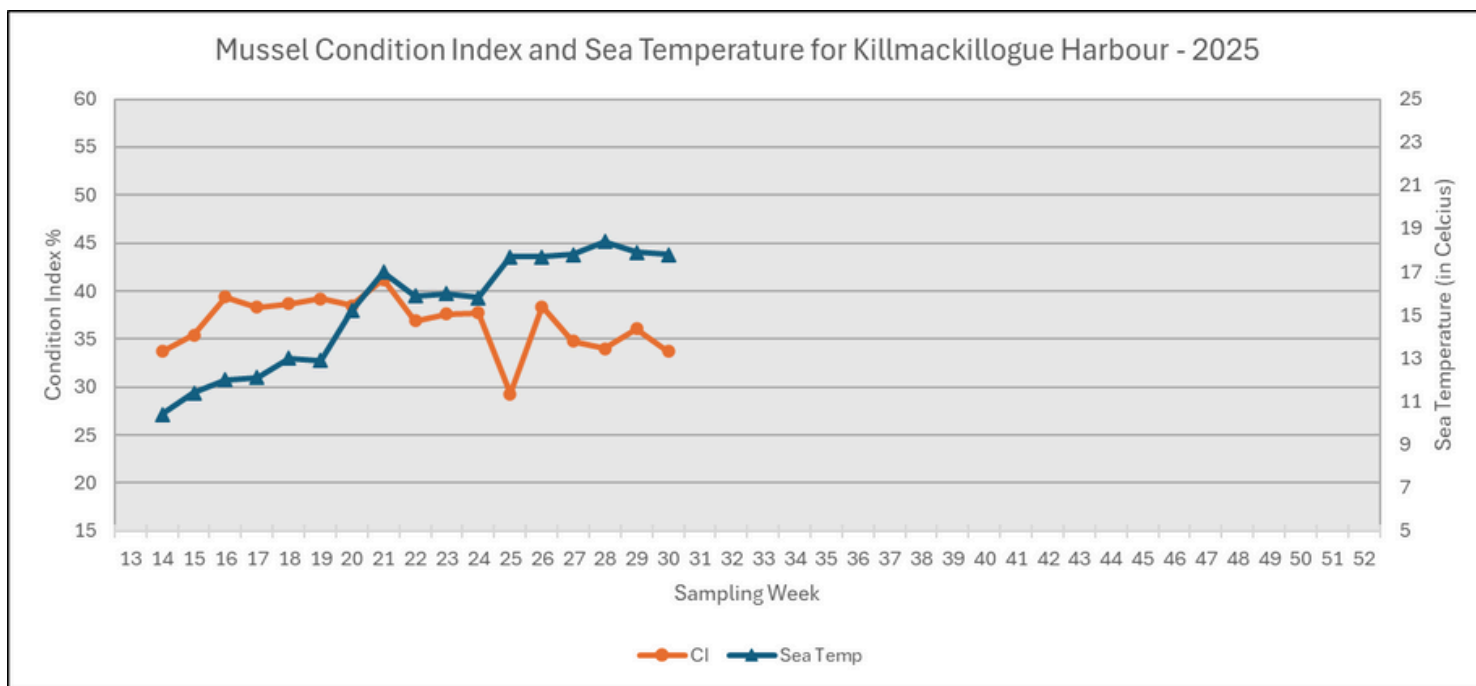
Southwest Mussel Larvae sampling

28th July 2025

Week 30 (21/07/2025 to 27/07/2025)

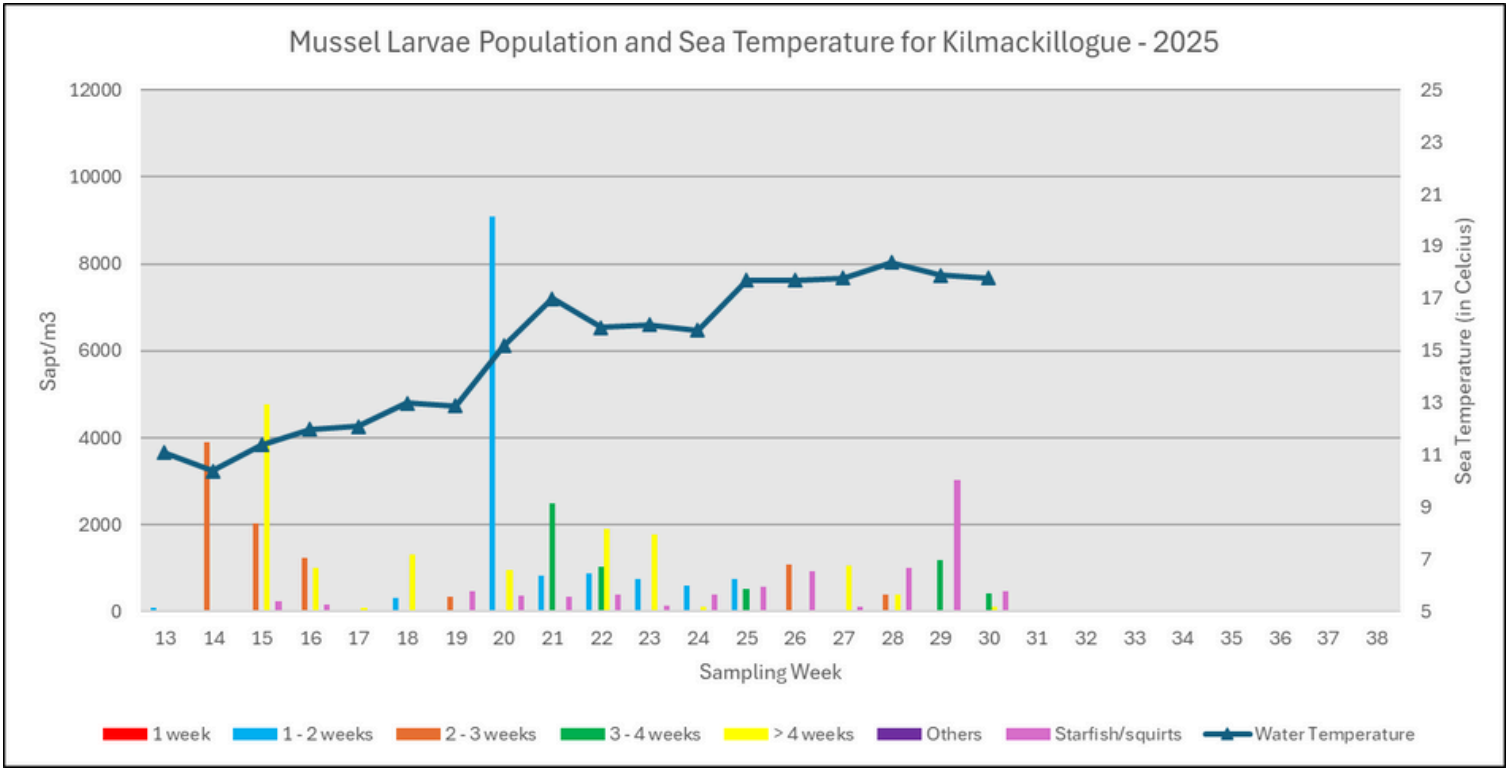


Condition Index (CI) for Kilmakilloge Harbour



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, 3 to 4 weeks old, over 4 weeks old and others (younger or older).



Commentary

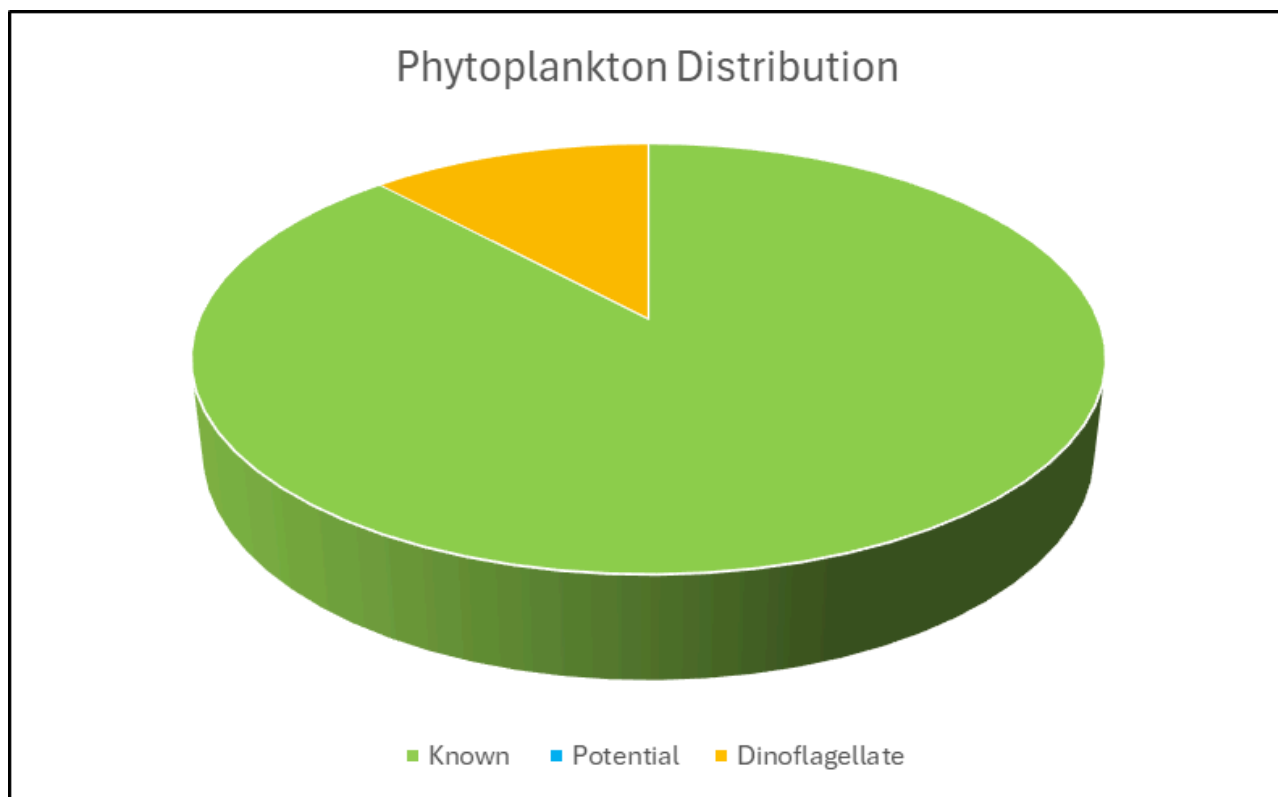
The Condition Index (CI) decreased on Week 30 (down by 2.4% to 33.7%) while the sea temperature was stable at 17.8°C (-0.1 from Week 29).

The larvae concentration in the sample indicates a sharp decrease from Week 29 with 517 spat/m³ composed at 80% of 3 to 4 weeks old larvae and 20% of more than 6 weeks old.

The concentration of sea squirts in the sample was 476 ind./m³, which is a sharp decrease from Week 29. The sample presented high levels of copepods and some debris as well as a low concentration of a second bivalve species. The phytoplankton biomass in the sample was low with Ceratium sp. dominant.

The decrease of sea squirt could possibly be explained by the high concentration of copepods for the last 2 weeks, hopefully mitigating fouling on ropes.





The phytoplankton concentration decreased in Week 30 to 19,840 cells/litre, dominated by known food source species (88%) and some dinoflagellate (12%).

