

Kilmakilloge Harbour

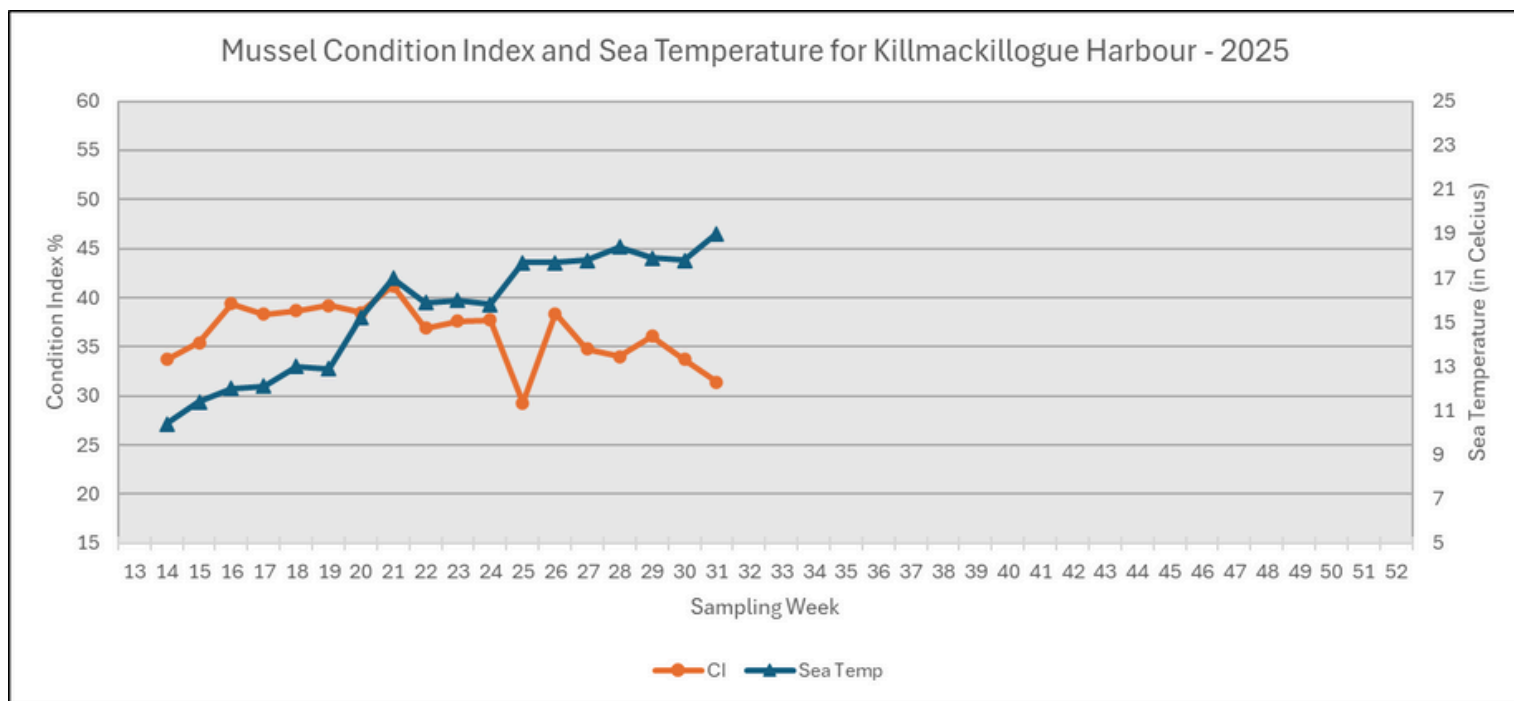
Southwest Mussel Larvae sampling

5th August 2025

Week 31 (28/07/2025 to 3/08/2025)

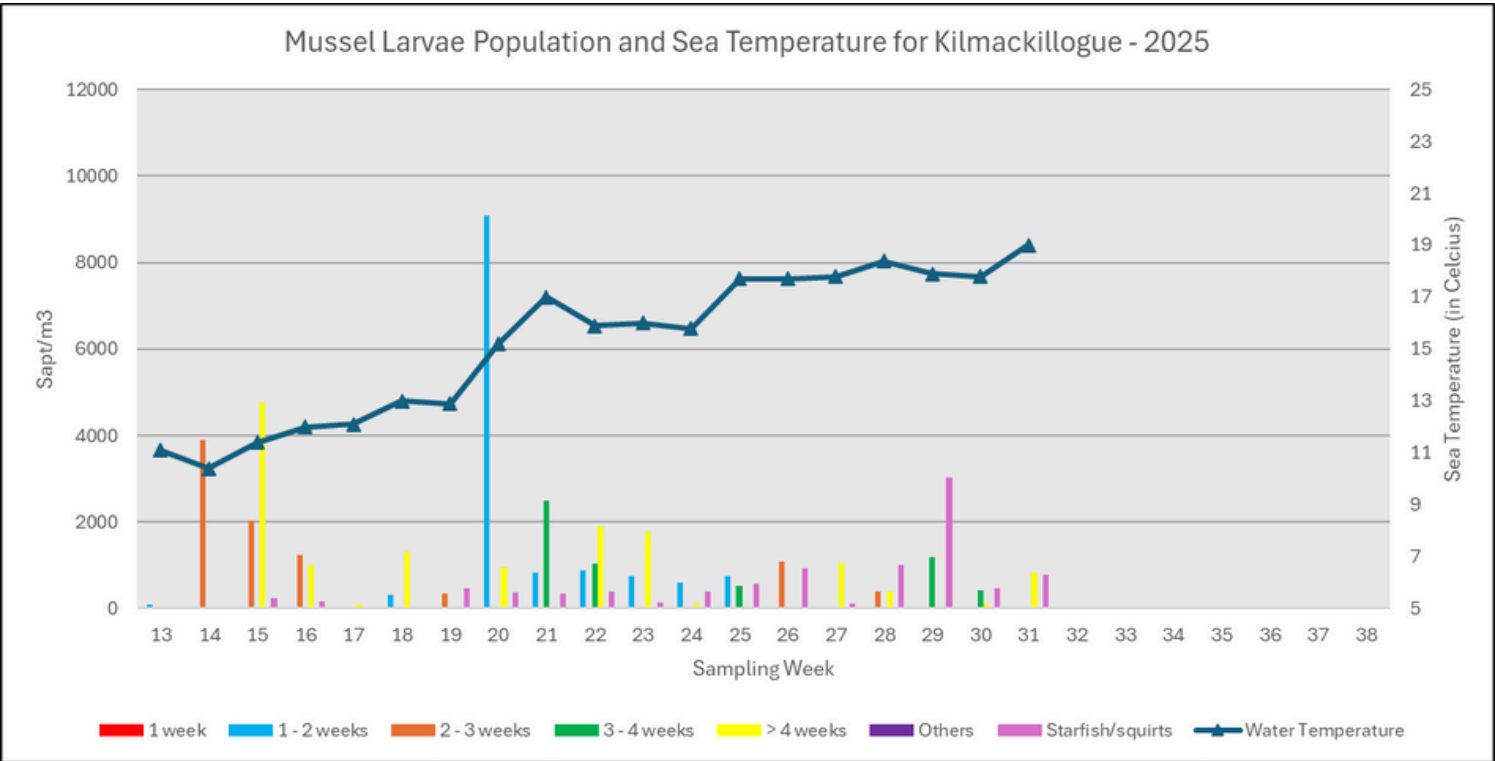


Condition Index (CI) for Kilmakilloge Harbour



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

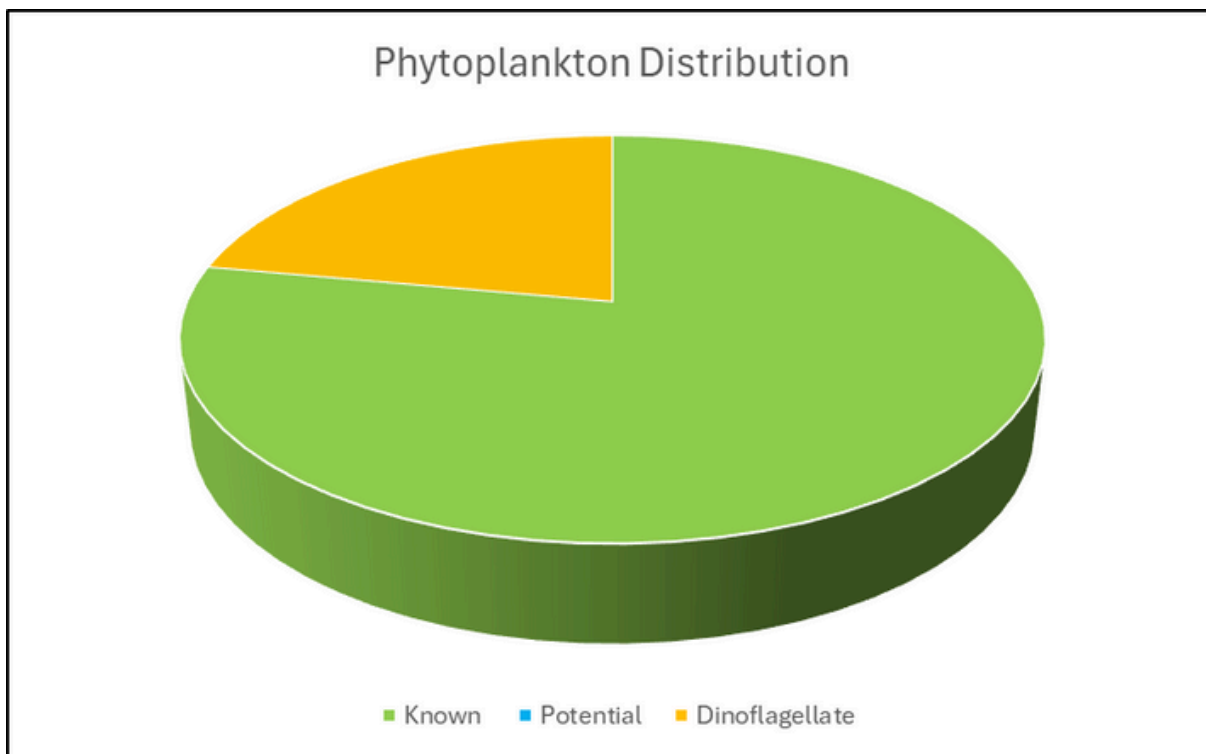
The Condition Index (CI) decreased again on Week 31 (down by 2.3% to 31.4%) while the sea temperature increased to **19°C (+1.2 from Week 30)**.

The larvae concentration in the sample indicates an increase from Week 30 with 824 spat/m³ composed of 4 to 6 weeks old larvae.

Further settlement could therefore be expected in the coming week (Week 32).

The concentration of sea squirts in the sample was 782 ind./m³. The sample presented two other bivalve species, very high levels of copepods and moderate concentrations of tubeworm, barnacles and sea matting. The phytoplankton biomass in the sample was high with mixed Ceratium dominant.





The phytoplankton concentration increased in Week 31 to 27,160 cells/litre, dominated by known food source species (78%) and some dinoflagellate (22%).

