

Kilmakilloge Harbour

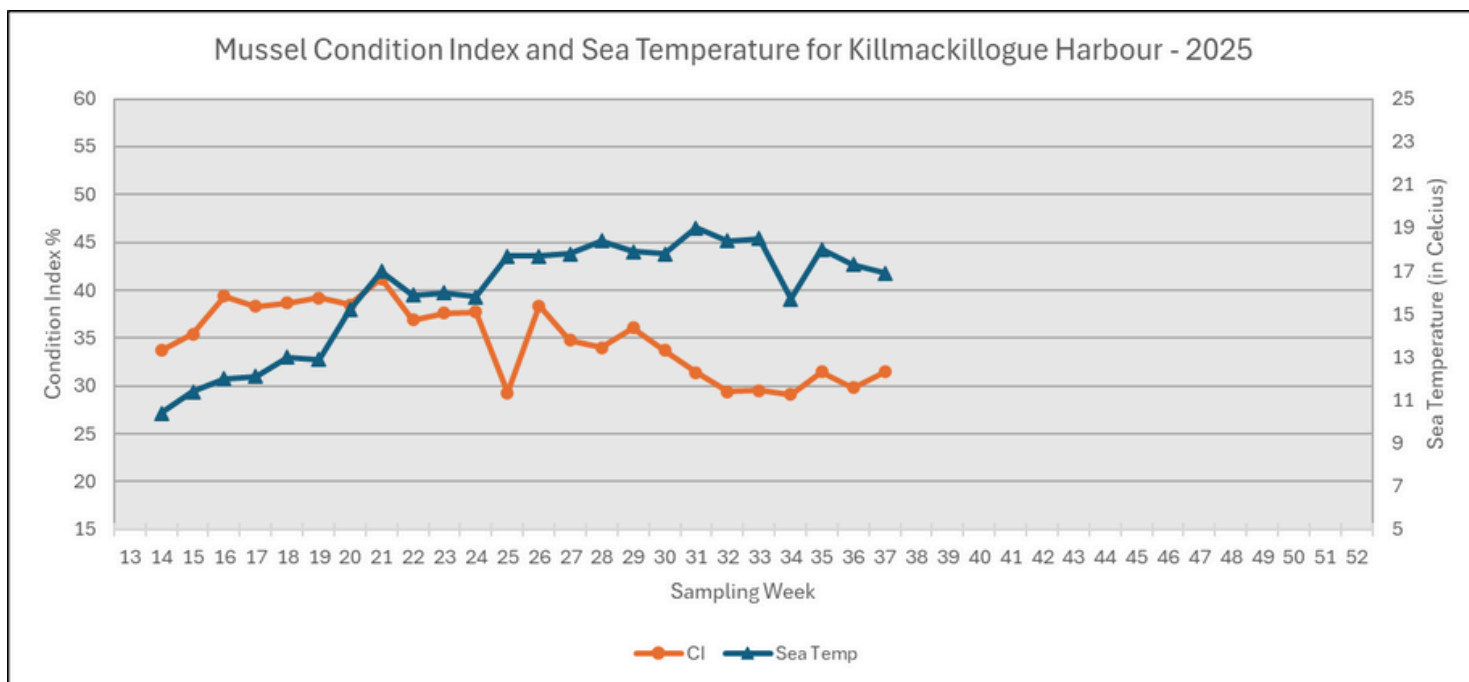
Southwest Mussel Larvae sampling

15th September 2025

Week 37 (8/09/2025 to 14/09/2025)

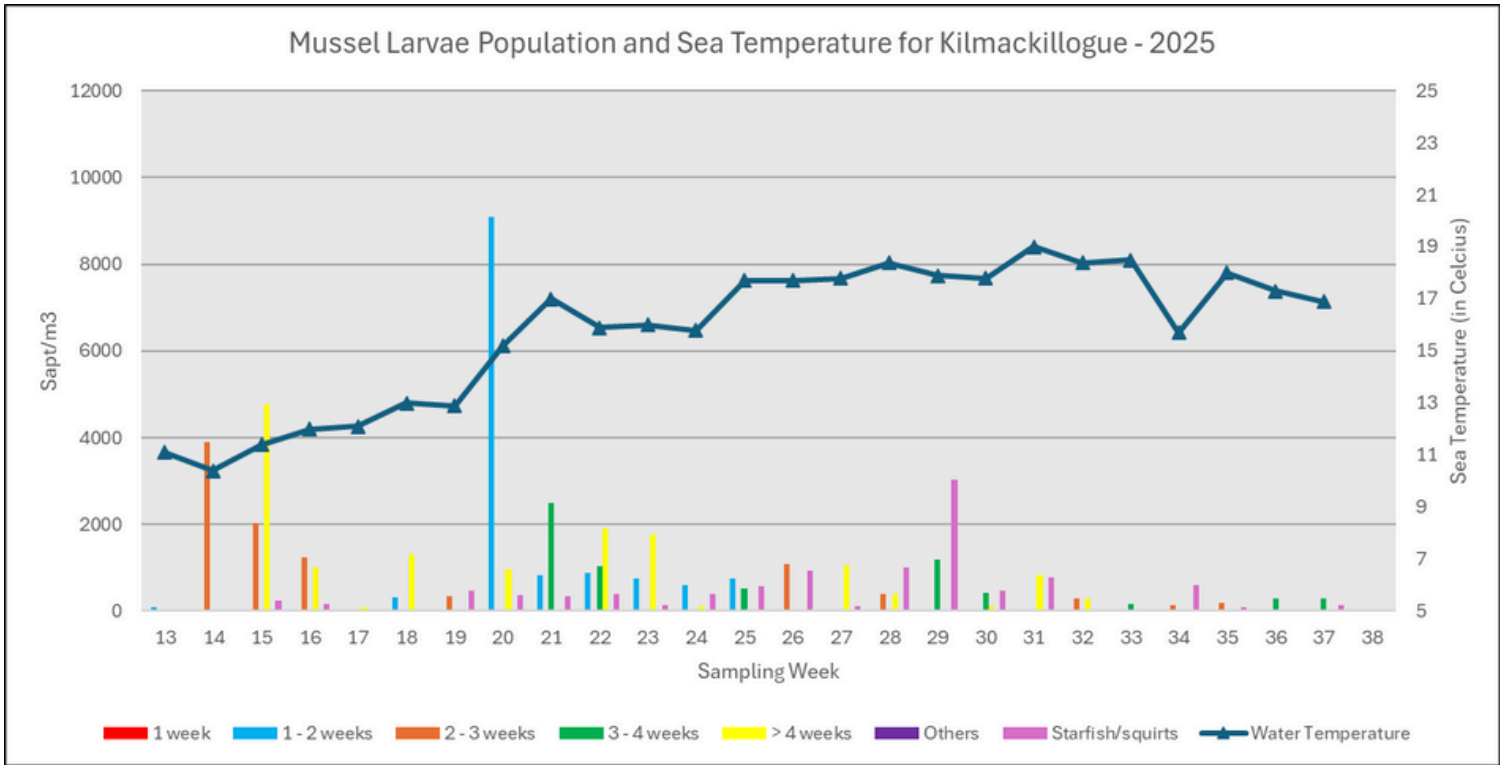


Condition Index (CI) for Kilmakilloge Harbour



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).



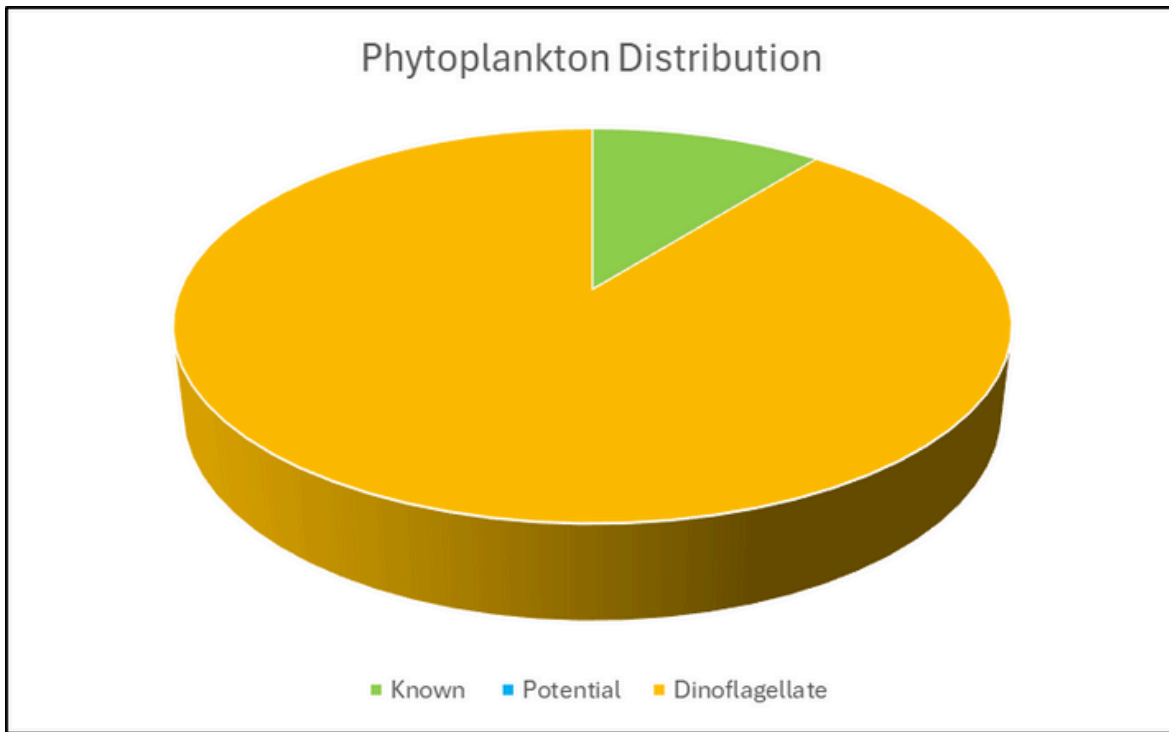
Commentary

The Condition Index (CI) increased slightly on Week 37 (up by 1.7% to 31.5%). The sea temperature slightly decreased again to 16.9°C (-0.4°C from Week 36).

As per Week 36, the larvae concentration in the sample was 291 spat/m³ composed of 3 to 5 weeks old larvae. **Some partial settlement could be expected in the next 1 to 2 weeks.**

The concentration of sea squirt increased to 145 ind./m³. The levels of copepods, a second species bivalve, barnacles and crab larvae were all high while *M. atlantica* was also present in the sample. The sample presented high amounts of debris and organic material. The phytoplankton biomass in the sample was moderate with *Coscinodiscus* being dominant.





The phytoplankton concentration increased significantly in Week 37 to 49,800 cells/litre, dominated by dinoflagellate (89%) and known food source species (11%).

