

# Kilmakilloge Harbour

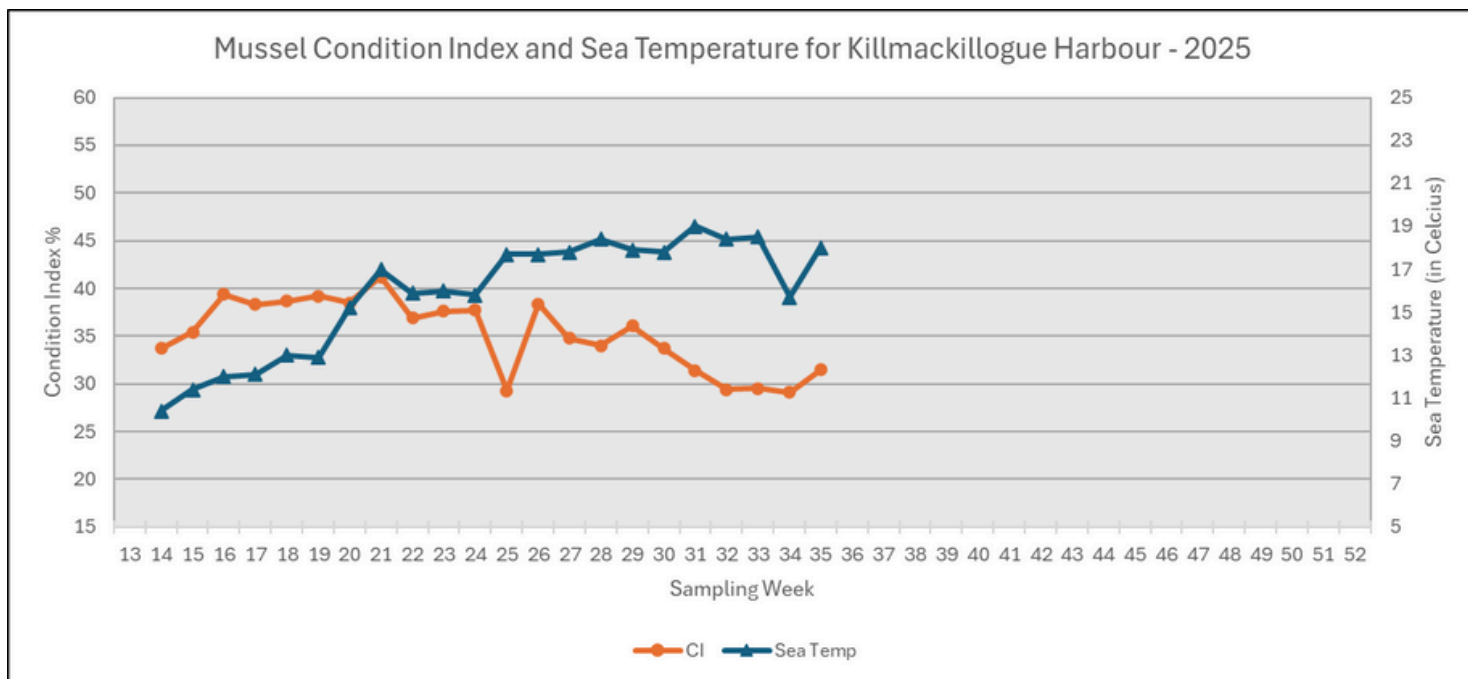
Southwest Mussel Larvae sampling

5<sup>th</sup> September 2025

Week 35 (25/08/2025 to 31/08/2025)

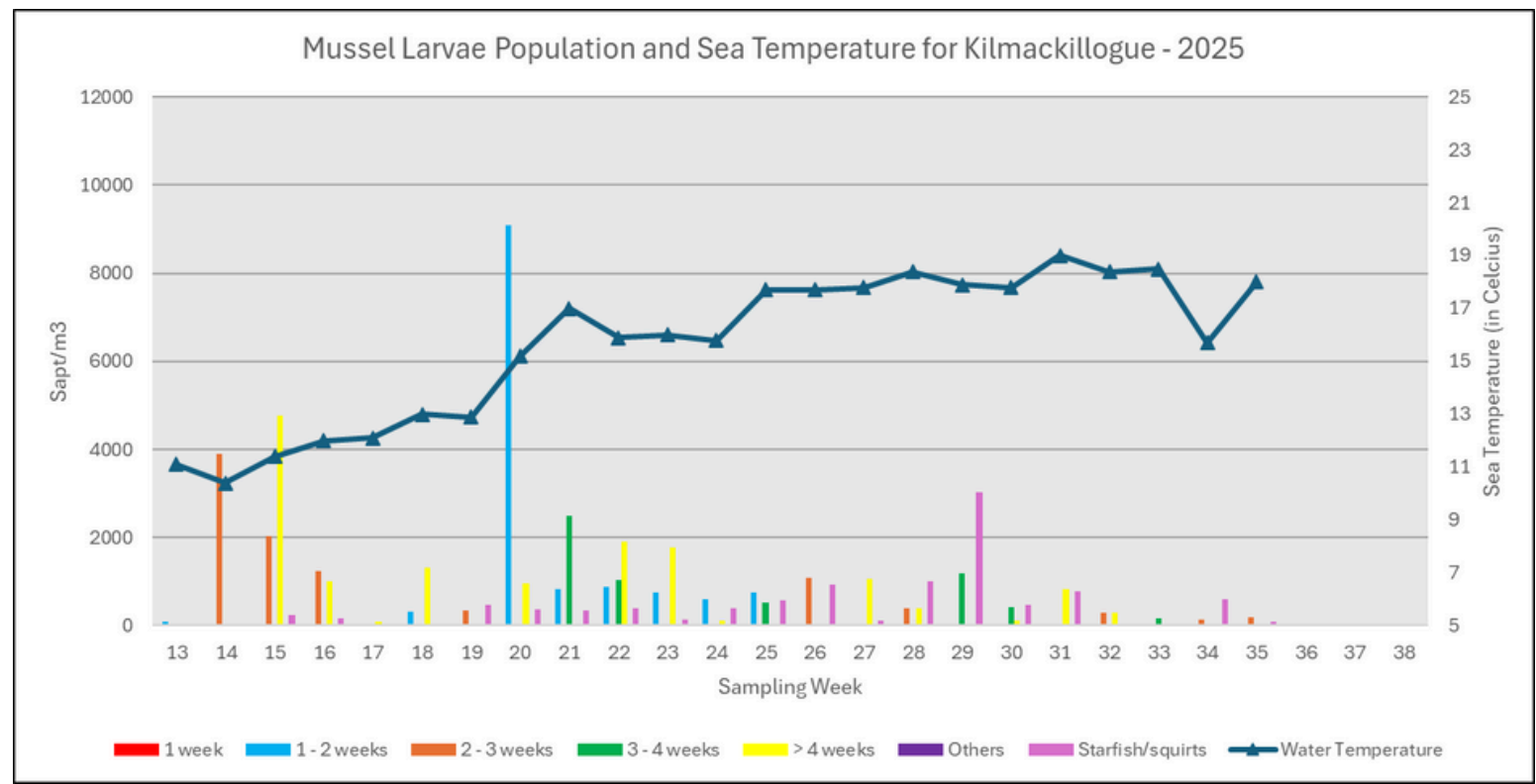


## Condition Index (CI) for Kilmakilloge Harbour



# 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).



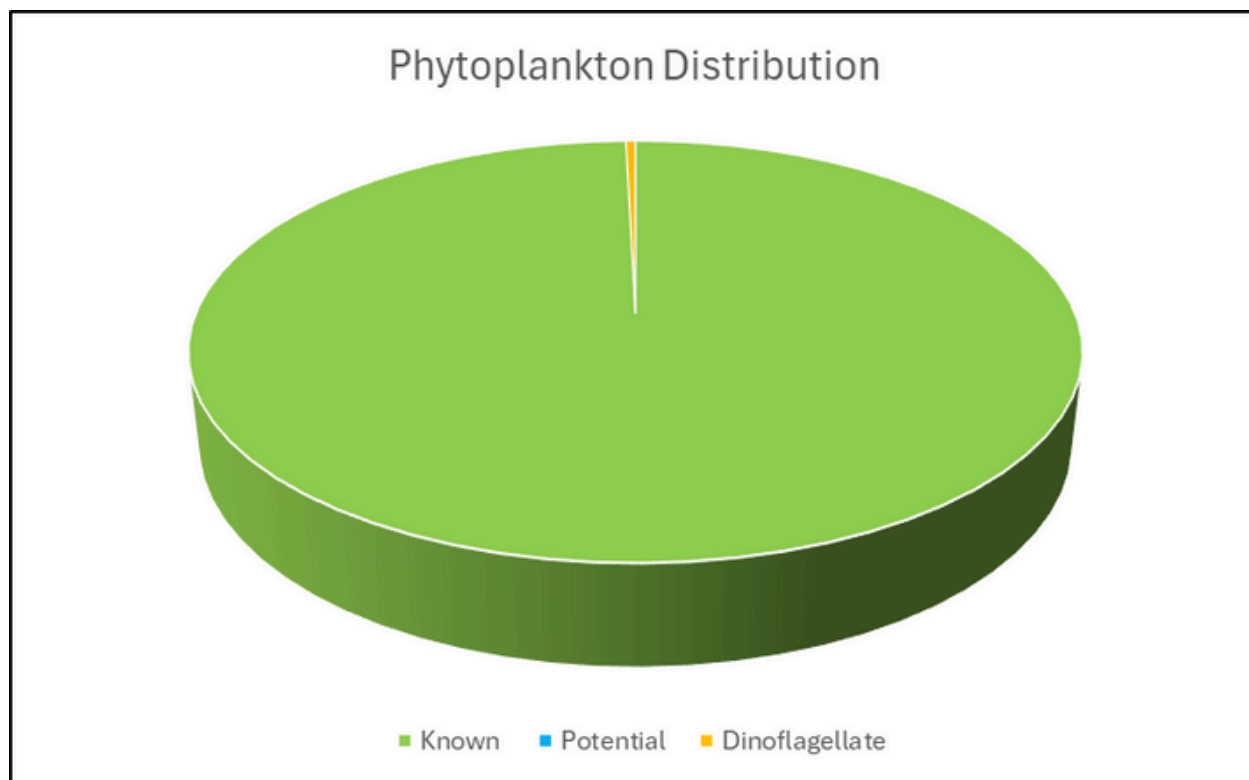
## Commentary

The Condition Index (CI) increased on Week 35 (up by 2.4% to 31.5%). The sea temperature increased at 18°C (+2.3°C from Week 33, or +0.7°C based on 17.3°C).

The larvae concentration in the sample indicates a small increase in Week 35 with 181 spat/m<sup>3</sup> composed of 2 to 4 weeks old larvae.

The concentration of sea squirts in the sample indicated a sharp decrease from the previous week with 90 ind./m<sup>3</sup>. The sample presented a very high level of debris and organic material including pollen. 5 other bivalve species from D larvae to mature were also observed in high concentrations in the sample. The copepods levels were low. The phytoplankton biomass was also low with Noctiluca being the dominant specie.





The phytoplankton concentration increased in Week 35 with 29,080 cells/litre, dominated by known food source species (<99%) and traces of dinoflagellate (>1%).

