

# Kilmackilloge Harbour

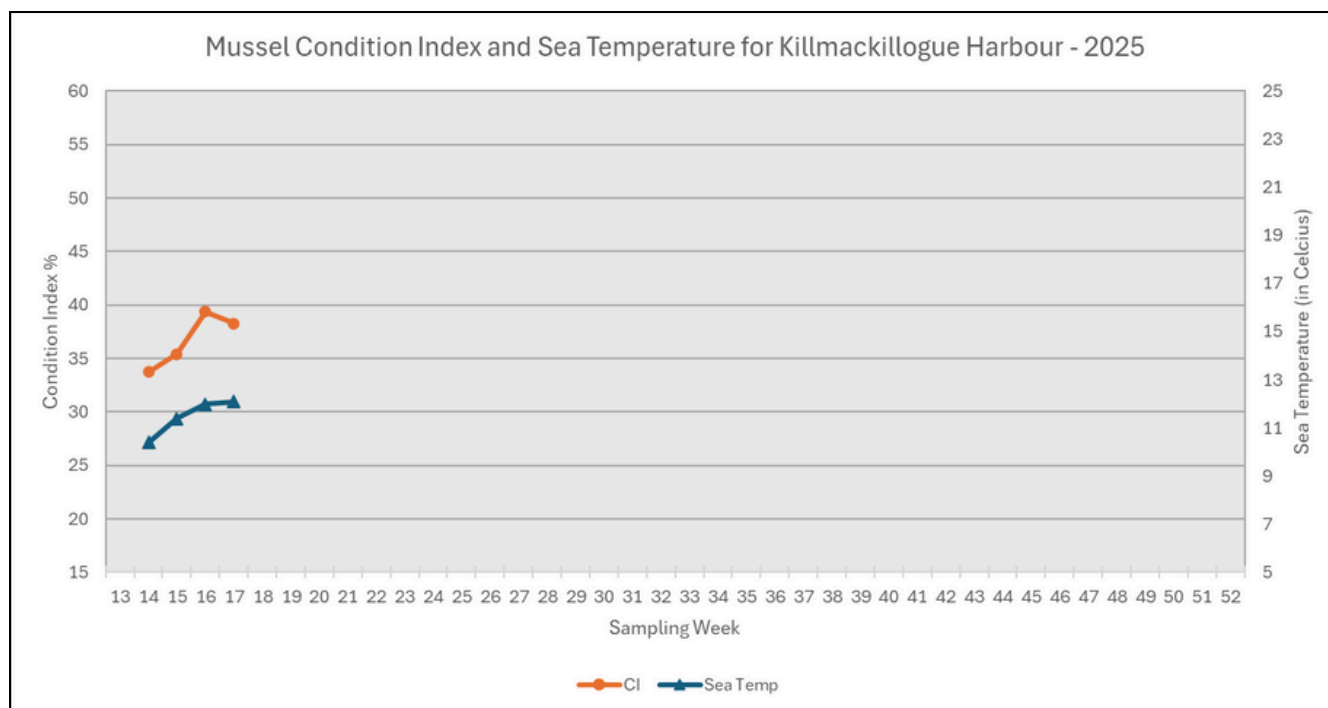
Southwest Mussel Larvae sampling

28<sup>th</sup> April 2025

Week 17 (21/04/2025 to  
27/04/2025)

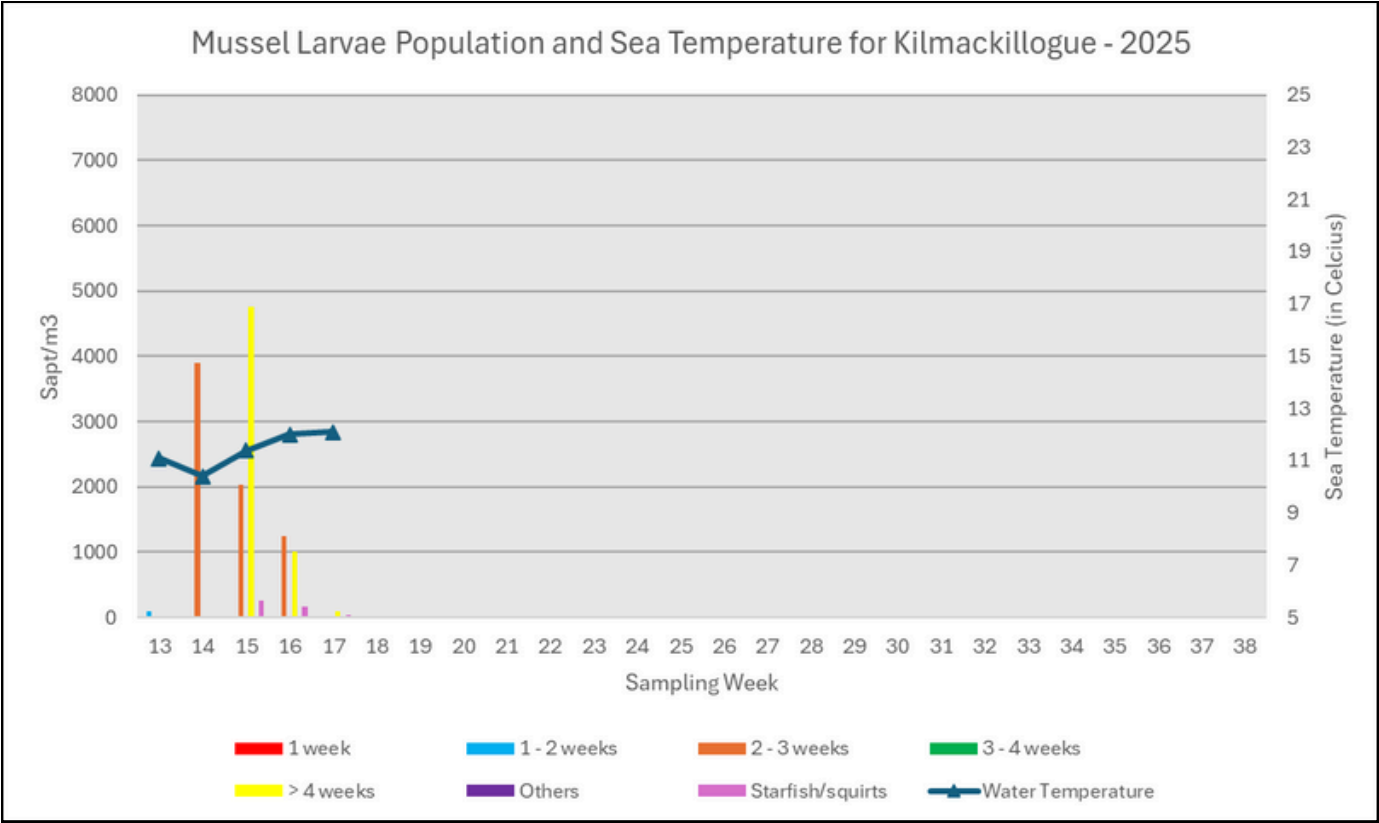


## Condition Index (CI) for Kilmackilloge Harbour



# 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).



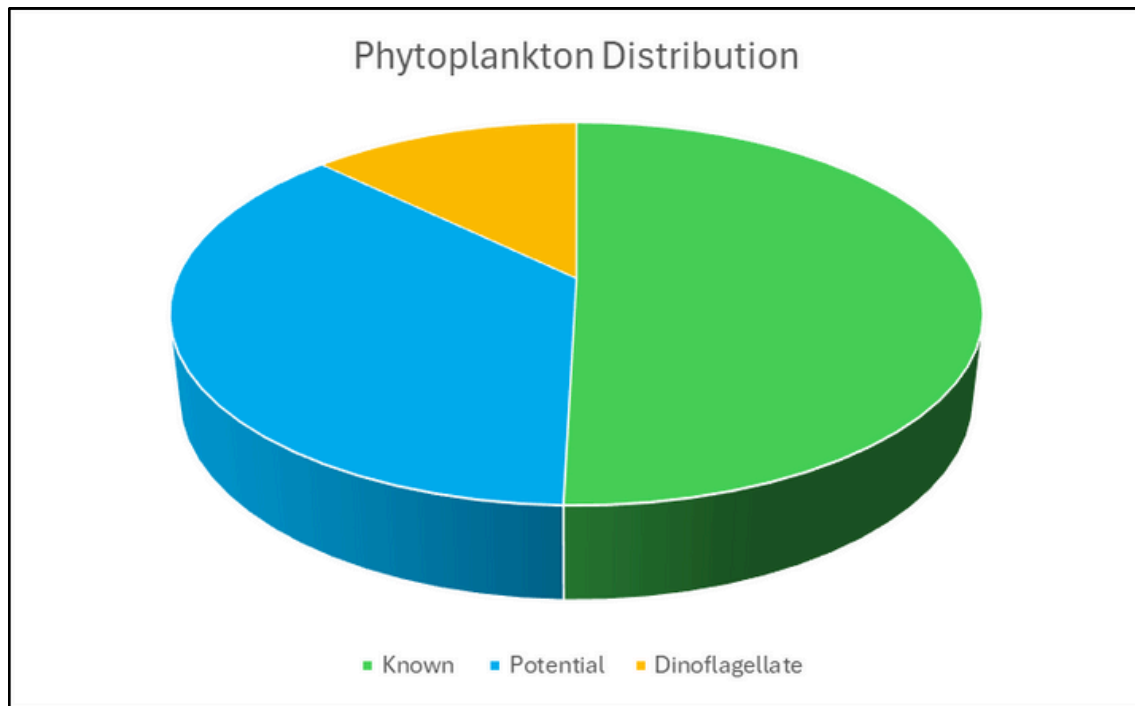
## Commentary

The Condition Index (CI) has dropped slightly (-1.06% from Week 16) and is now at 38.3%. The sea temperature only increased slightly by 0.1°C to 12.1°C.

The sample presented a low number of 4 to 6 weeks old larvae (85 spat/m³). **This could indicate that the larvae observed in the previous week have settled (decreasing numbers from Week 14).**

The sample presented high numbers of mixed copepods, barnacles, winkles and sea matting. The sea squirts concentration has decreased significantly to 35 individual/ m³. This could also indicate that the sea squirts have settled.





The level of *Phaeocystis* is still high (very high bloom). Otherwise, the phytoplankton concentration is lower than the previous week (94,560 cells/litre), dominated by known suitable food for larvae (see graph above).

**With the level of *Phaeocystis* remaining high, it would be advisable to limit stress levels on adult mussels.**

