

Kilmackilloge Harbour

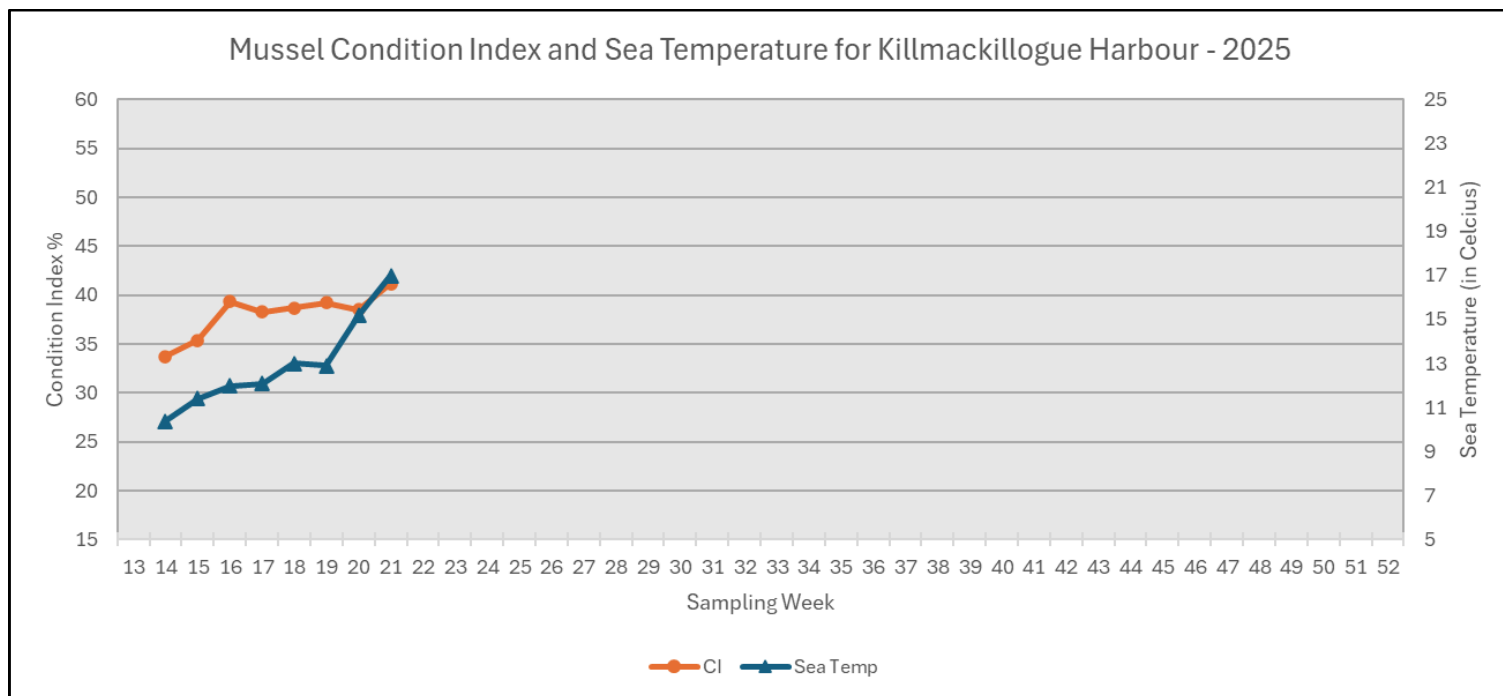
Southwest Mussel Larvae sampling

26th May 2025

Week 21 (19/05/2025 to
25/05/2025)

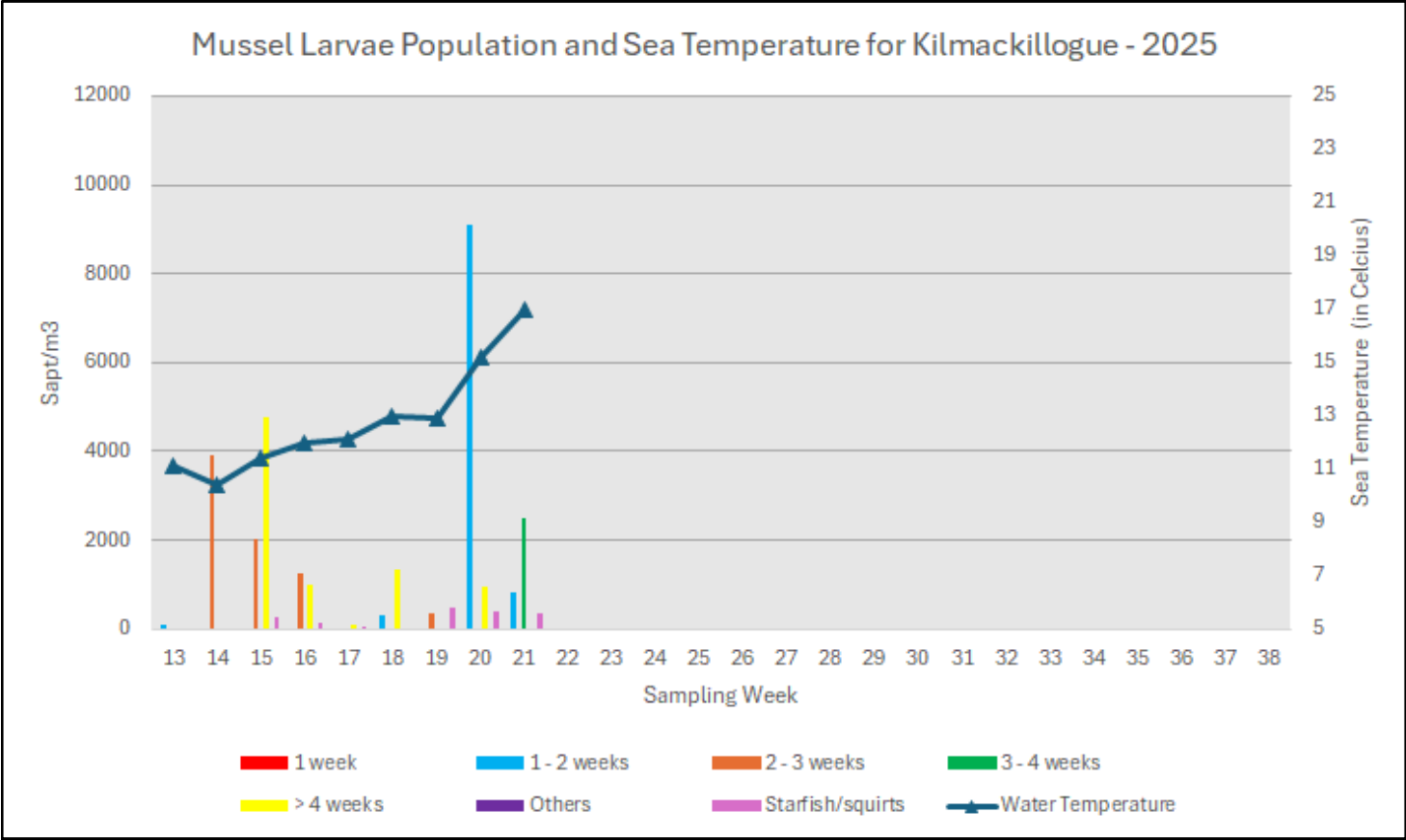


Condition Index (CI) for Kilmackilloge Harbour



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).



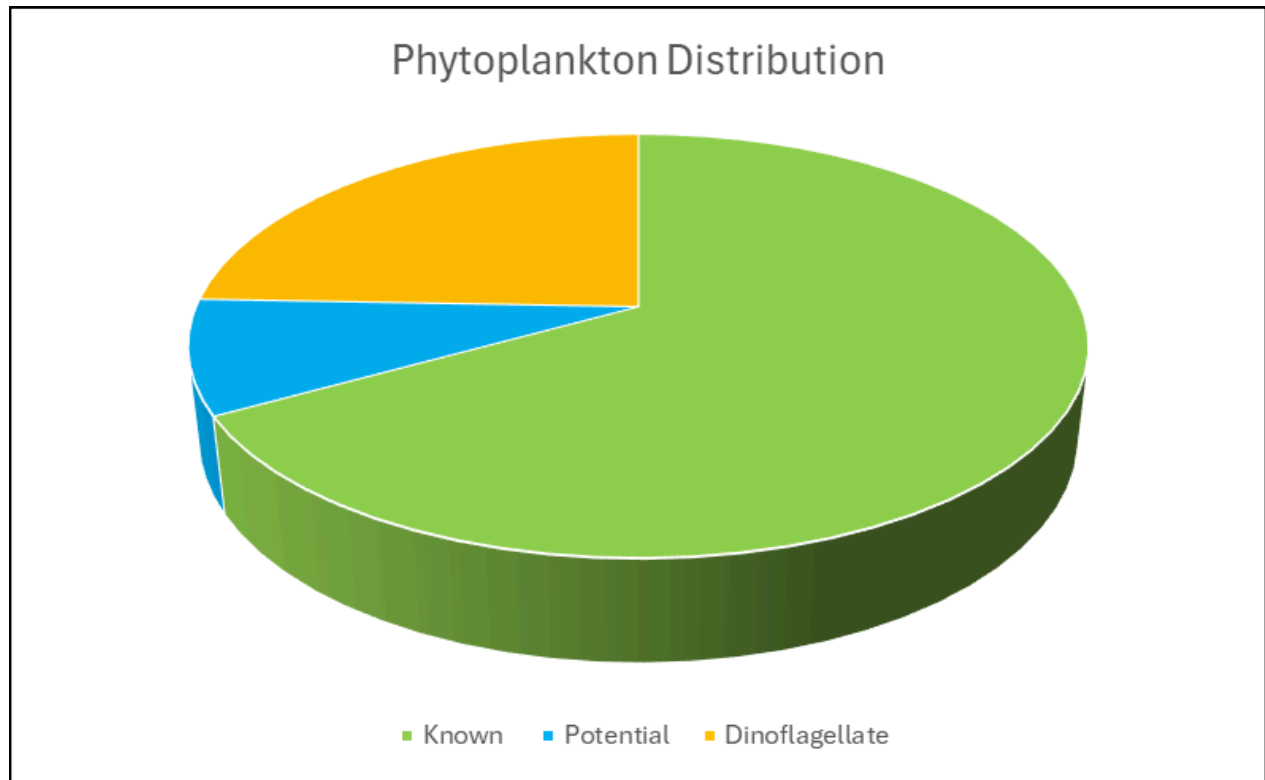
Commentary

The Condition Index (CI) increased by 2.7% in Week 21 (up to 41.2%). **The sea temperature increased to 17°C (+1.8°C).**

The sample presented a significant concentration of larvae dominated by 3 to 5 weeks old (2492 spat/m³) followed by 1 to 3 weeks old (830 spat/m³). Those numbers do not appear to be directly related to last week's observations (peak of 1 to 2 weeks old larvae). However, this decrease could be explain by larvae mortality or that larvae were located in another part of the harbour at the time of the sampling.

The sea squirts level was moderate at 352 ind./m³. A very high concentration of copepods was observed in the sample, while levels of barnacles and tubeworm were moderate. The phytoplankton present in the sample was dominated by high numbers of Rhizosolenia and Pseudo Nitzschia seriata.





The phytoplankton concentration significantly decreased again to 11,960 cells/litre, dominated by known food source species at 67%, followed by dinoflagellate representing 24% and finally potential food source species at 9%.

