

Kilmakilloge Harbour

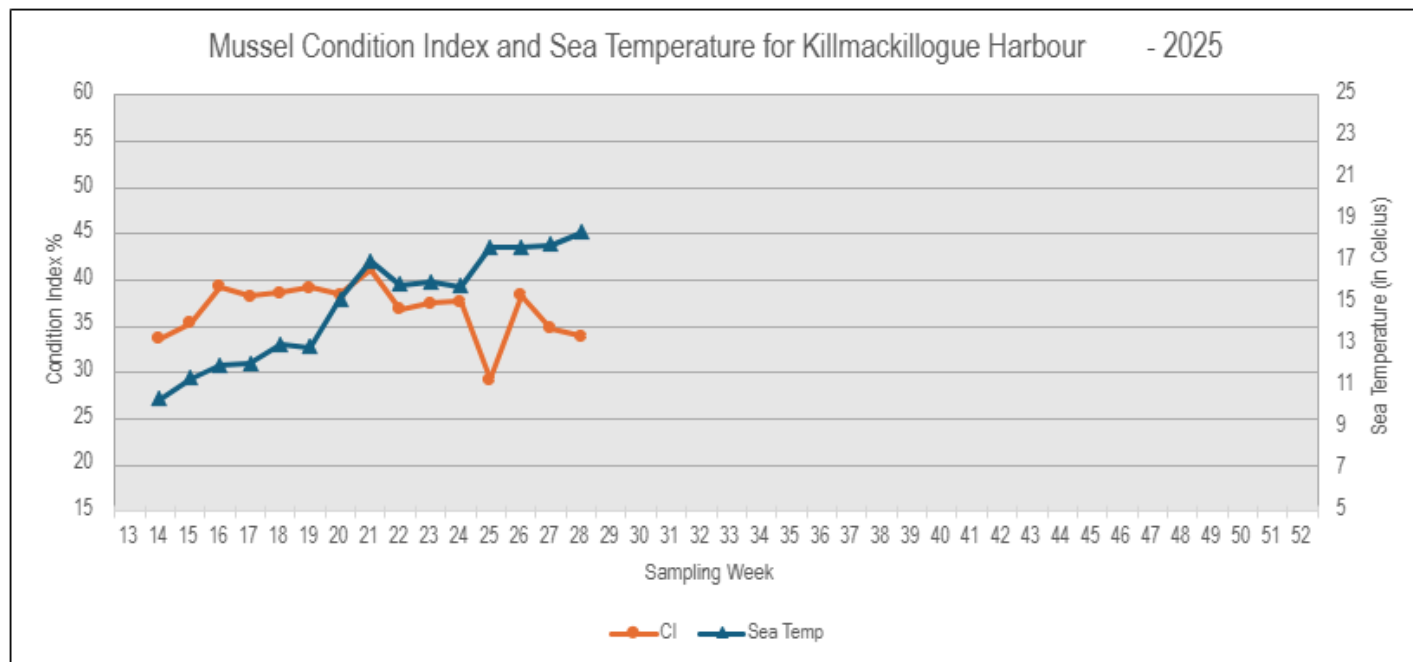
Southwest Mussel Larvae sampling

14th July 2025

Week 28 (07/07/2025 to 13/07/2025)

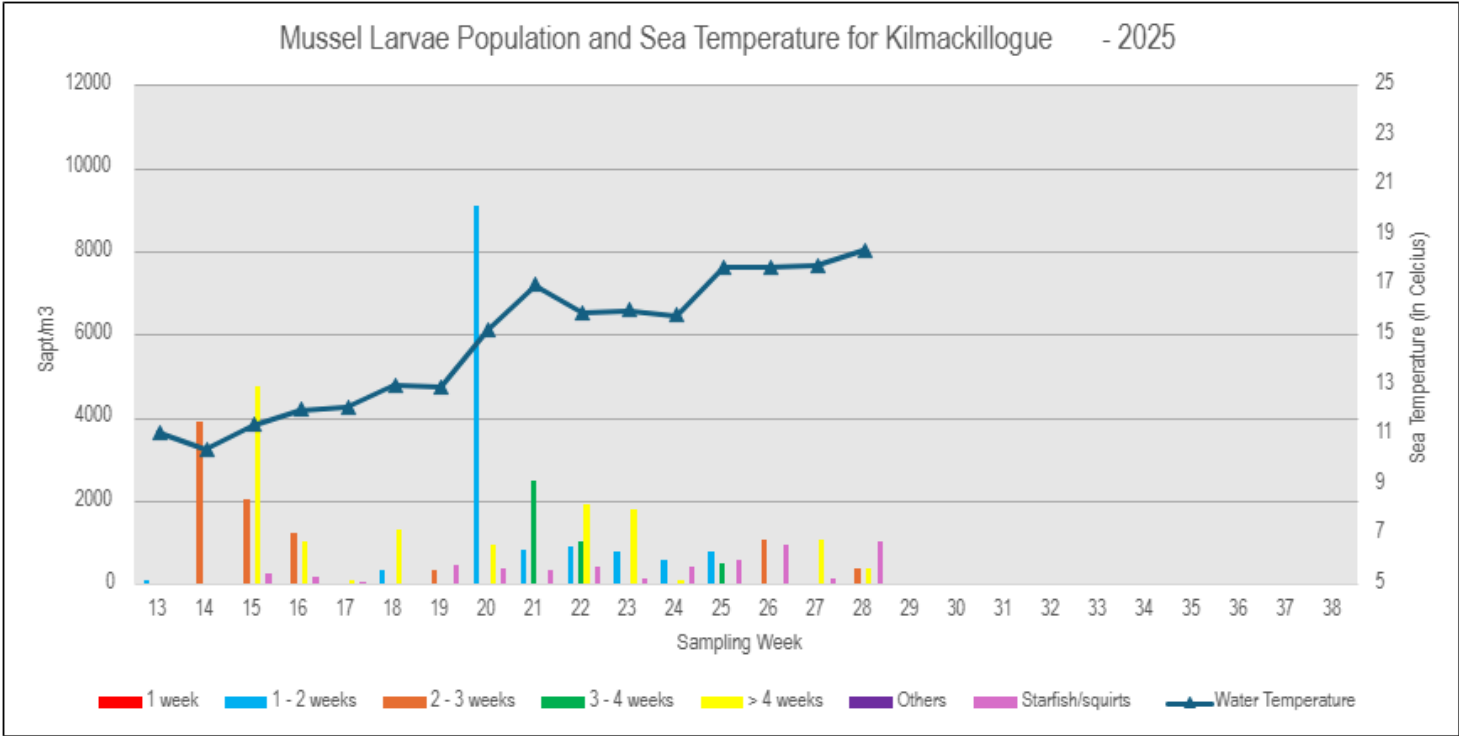


Condition Index (CI) for Kilmakilloge Harbour



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

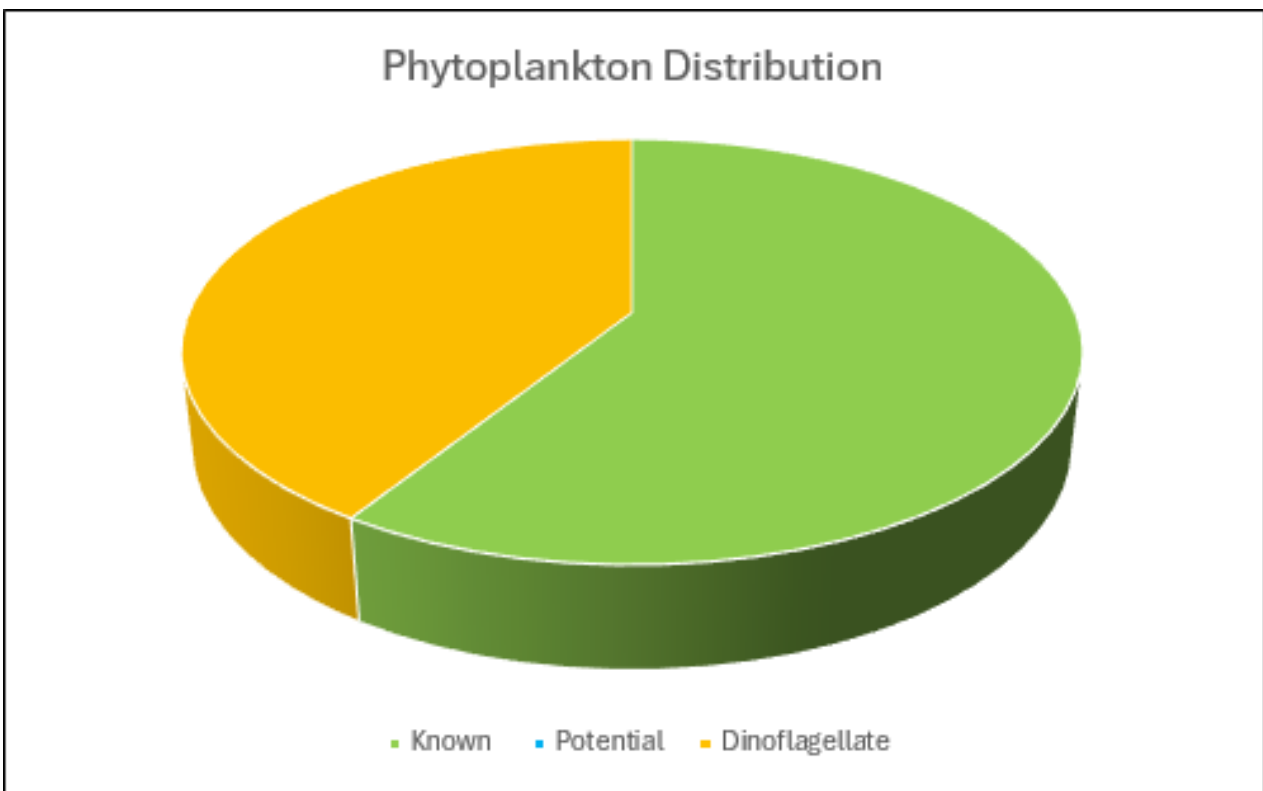
The Condition Index (CI) decreased on Week 28 (down by 0.8% to 34%) while the sea temperature was increased to 18.4°C (+0.6 from Week 26).

The larvae concentration in the sample has fallen off to 776 spat/m³ composed of 50% 5 to 6 week old and 50% 2 to 3 week larvae.

This would indicate possible further settlement in the next week, while already settled spat should start to be visible on collectors (few millimetres in length).

The concentration of sea squirts in the sample was 1019 ind./m³. Copepods were present in very high levels. Barnacles were in high concentration while a second bivalve species was present at a moderate level. The phytoplankton concentration was low with Chaetoceros and Coscinodiscus sp. slightly dominating.





The phytoplankton concentration continued to drop in Week 28 to 3,120 cells/litre, equally divided between dinoflagellate and known food source species.

