

# Ardgroom Harbour

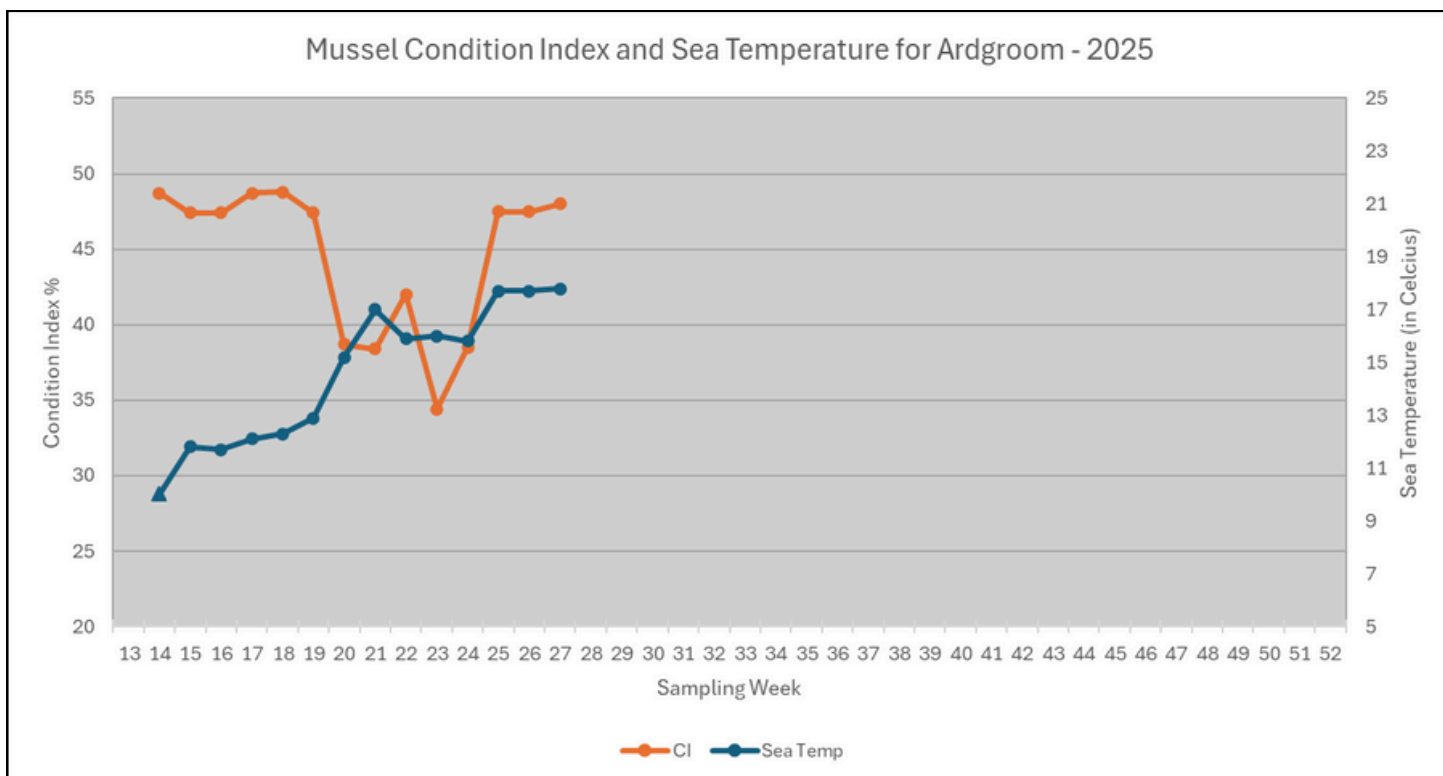
Southwest Mussel Larvae sampling

7<sup>th</sup> July 2025

Week 27 (30/06/2025 to  
06/07/2025)

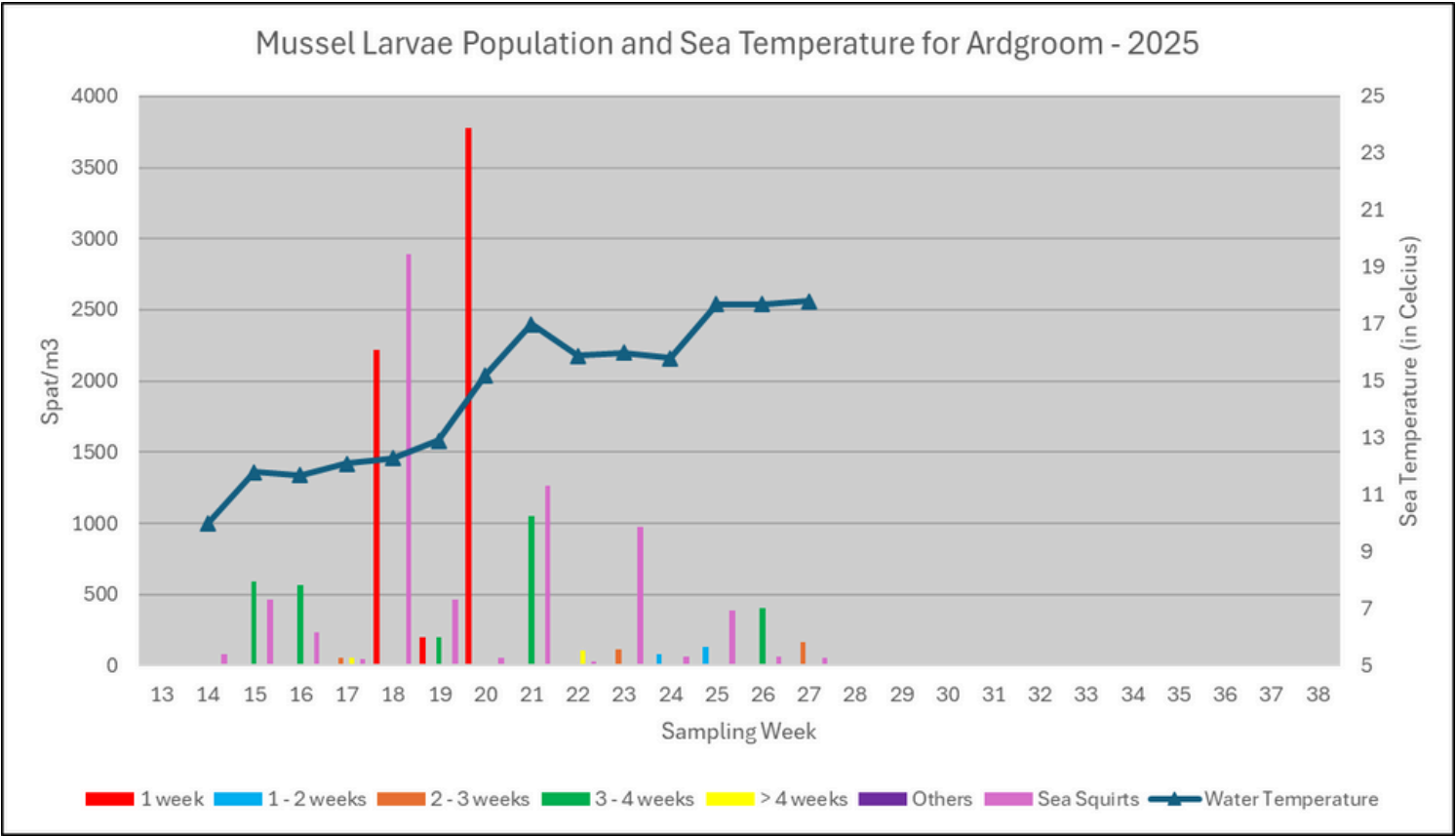


## Condition Index (CI) for Ardgroom Harbour



# Larvae population evolution for Ardgroom 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).

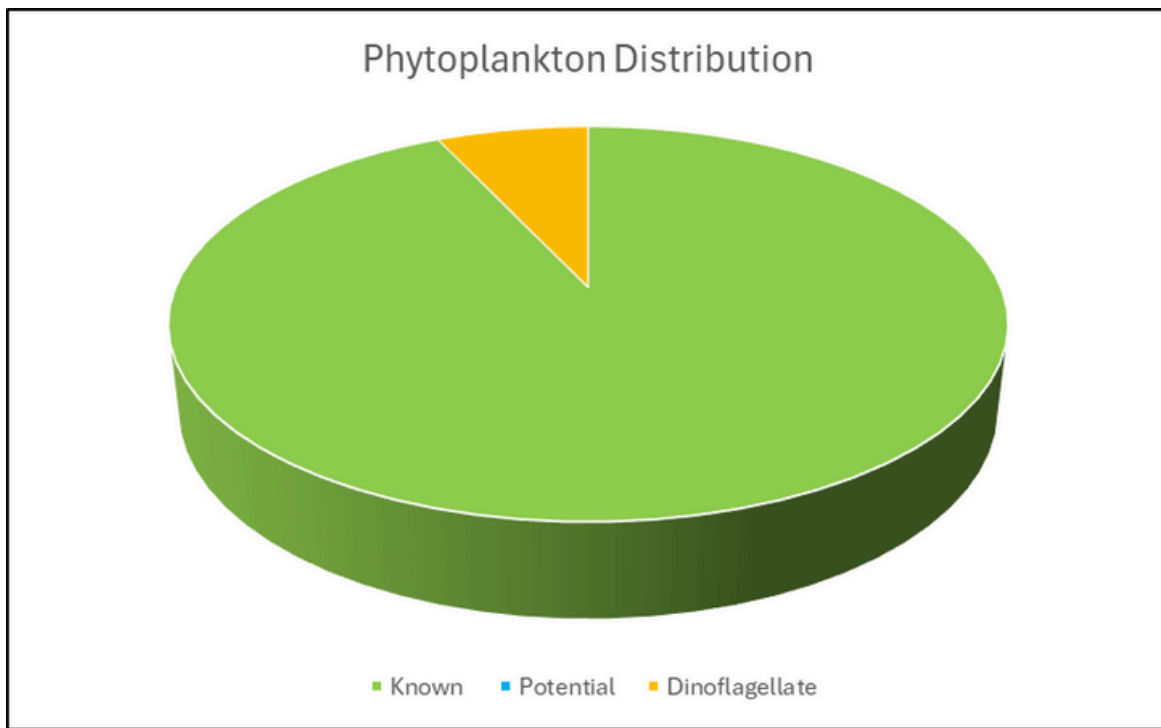


## Commentary

The Condition Index (CI) in Ardgroom was stable in Week 27 at 48% (+0.5 from the previous week). The sea temperature is stable at 17.8°C (based on Kilmackilloge readings). The adult mussels still appear to be reconditioned following the possible spawning event on Week 23.

The concentration of larvae decreased from the previous week to 163 spat/m<sup>3</sup> comprised between 2 and 4 weeks old.

The concentration of sea squirt slightly decreased from Week 26 (down by 13 to 51 ind./m<sup>3</sup>). The sample presented low concentrations of copepods, barnacles and a second species bivalve. The phytoplankton biomass was low in the sample with Chaetoceros and Ceratium as dominating species.



The phytoplankton concentration further increased on Week 27 (53,280 cells/litre), dominated by known food source species (93%) and dinoflagellate (7%).

