

Ardgroom Harbour

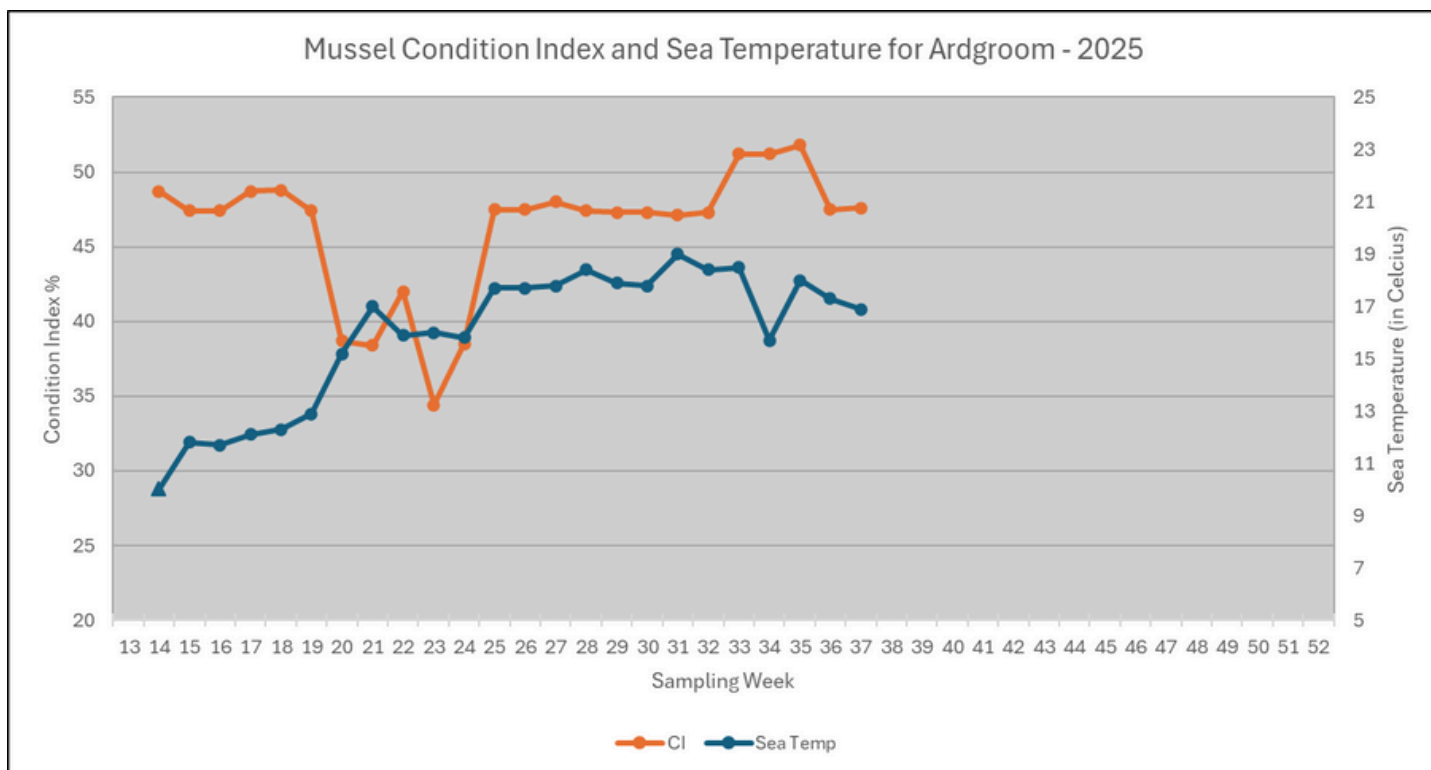
Southwest Mussel Larvae sampling

15th September 2025

Week 37 (8/09/2025 to 15/09/2025)

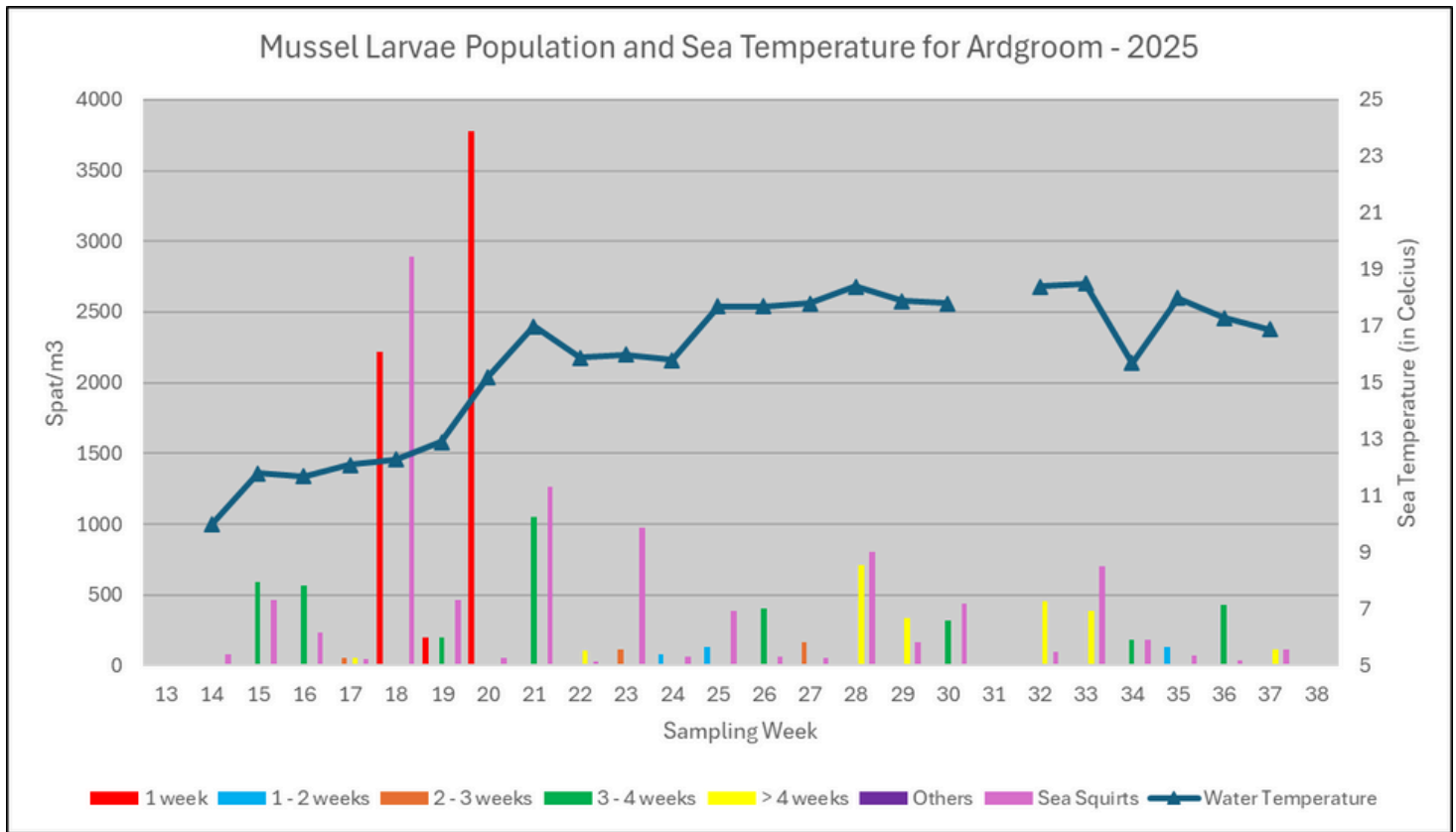


Condition Index (CI) for Ardgroom Harbour



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).



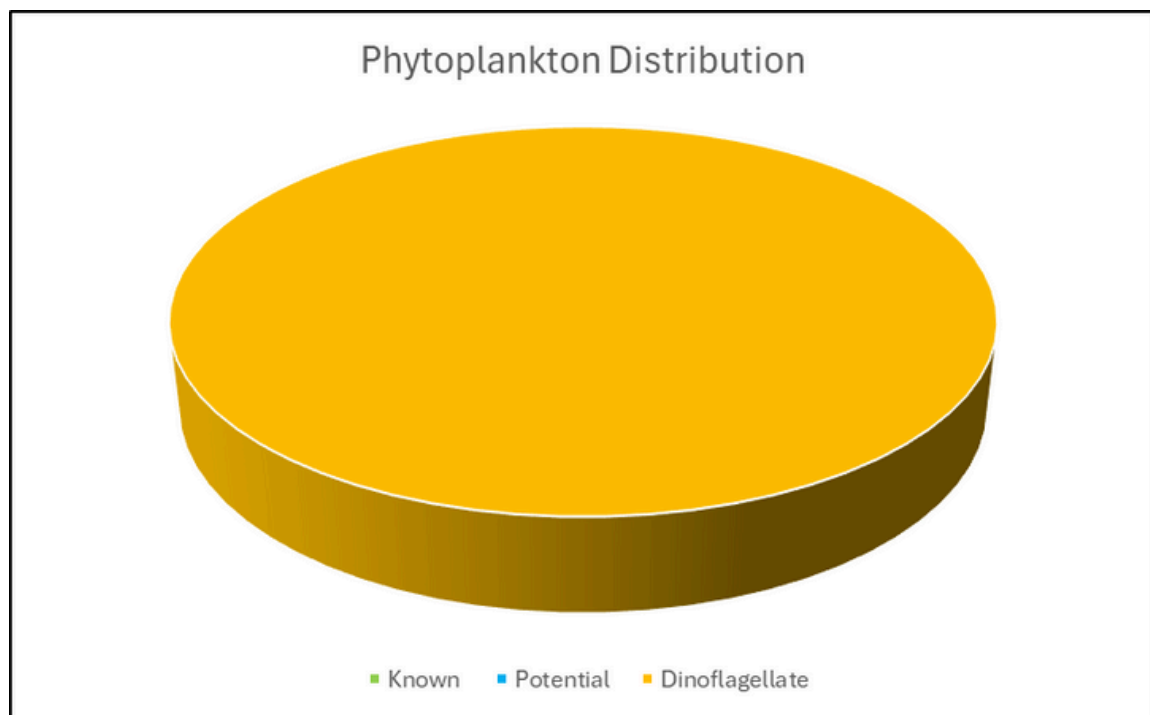
Commentary

The Condition Index (CI) in Ardgroom stabilised on Week 37 at 47.6% (+0.1% from the previous week). The sea temperature slightly decreased 16.9°C (-0.4°C based on Kilmackilloge readings).

The larvae population decreased on Week 37 to 114 spat/m³, composed of 5 to 6 weeks old larvae. **Some further settlement may have occurred and could be expected on Week 38.**

The concentration of sea squirt increased from Week 36 to 114 ind./m³. The levels of copepods were low while two additional bivalve species, at mature stage, and *M. atlantica* were also present in moderate levels in the sample. The phytoplankton biomass in the sample was low and dominated by *Ceratium* and *Noctiluca* while *Chaetoceros* *Phaeoceros* grp was also observed.





The phytoplankton concentration decreased in Week 37 to 26,640 cells/litre, composed only with dinoflagellates (100%).

