

Dunmanus Bay

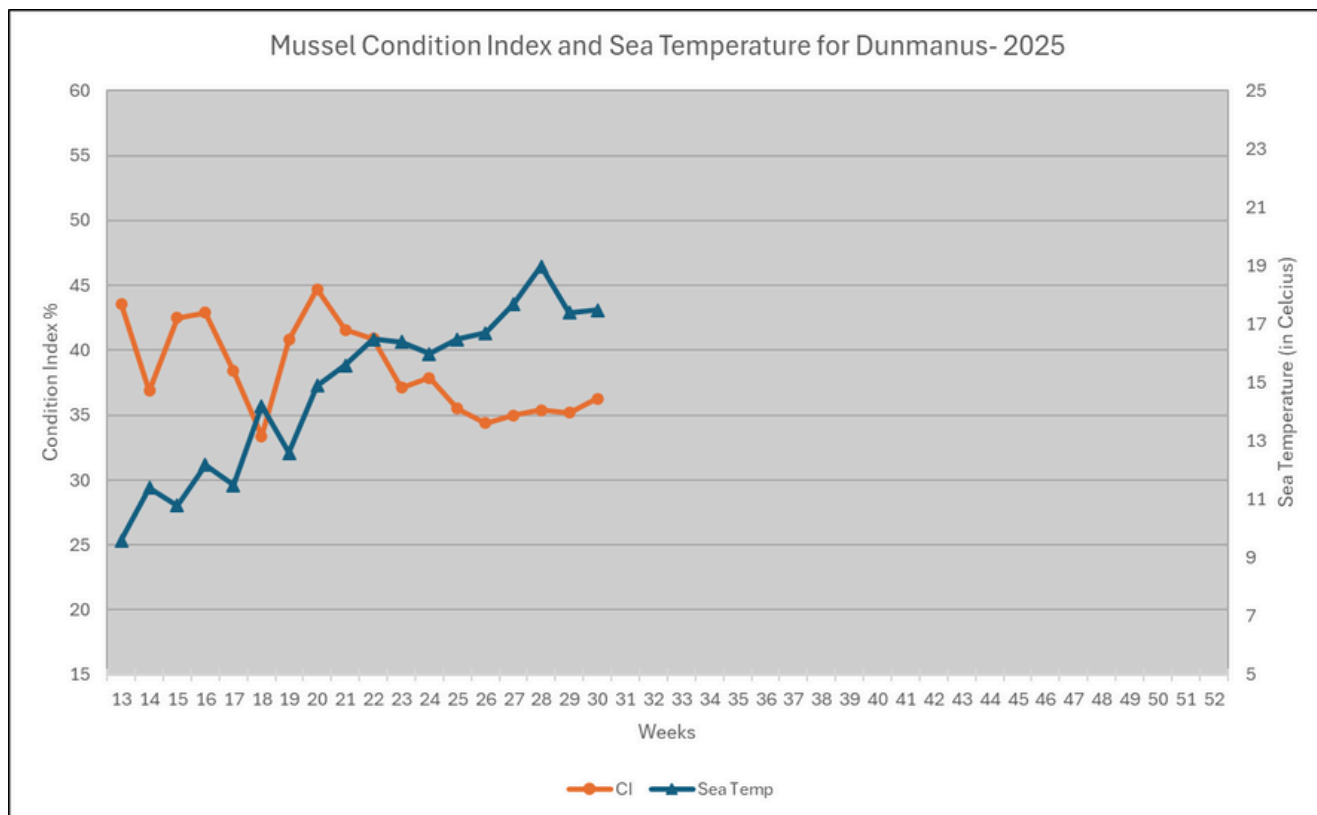
Southwest Mussel Larvae sampling

28th July 2025

Week 30 (21/07/2025 to 27/07/2025)

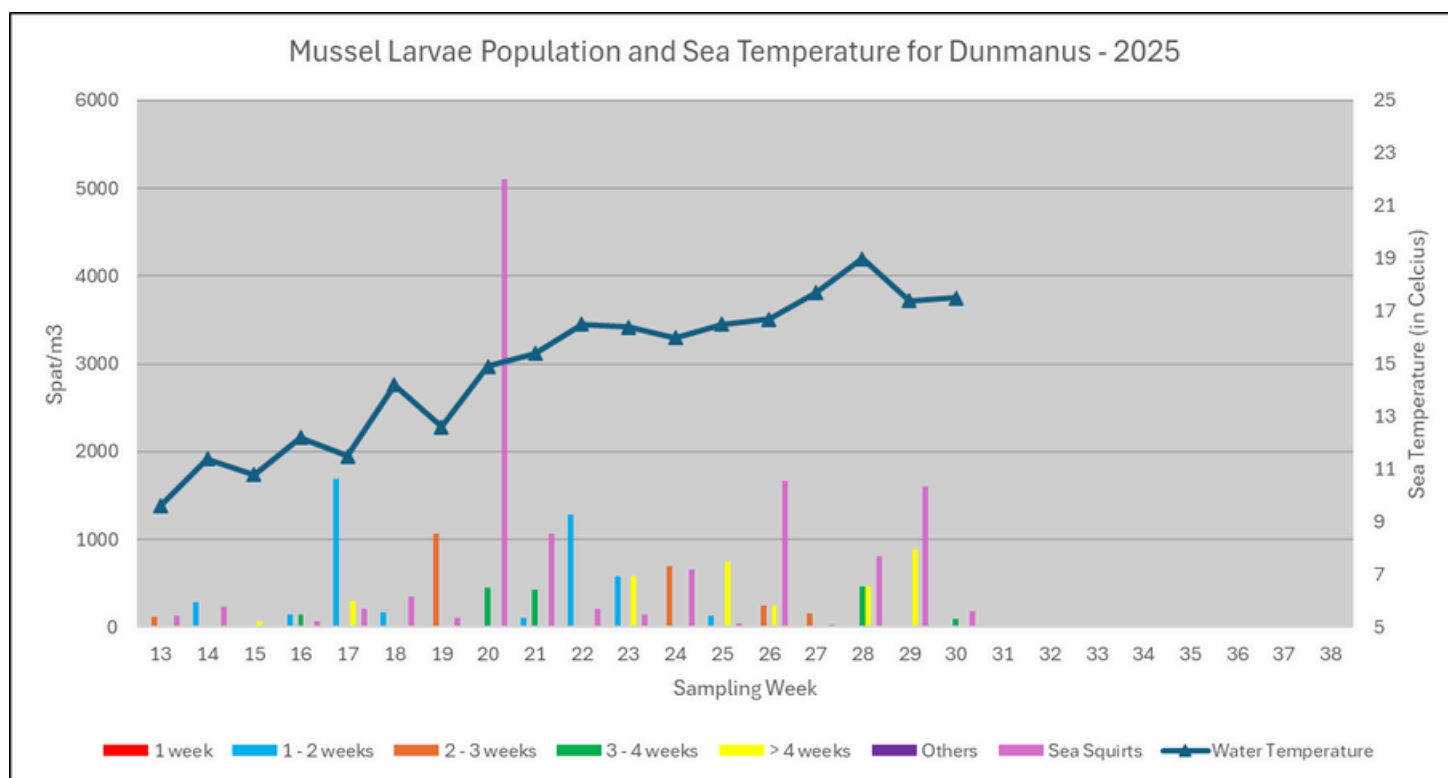


Condition Index (CI) for Dunmanus Bay



Larvae population evolution in Dunmanus Bay

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

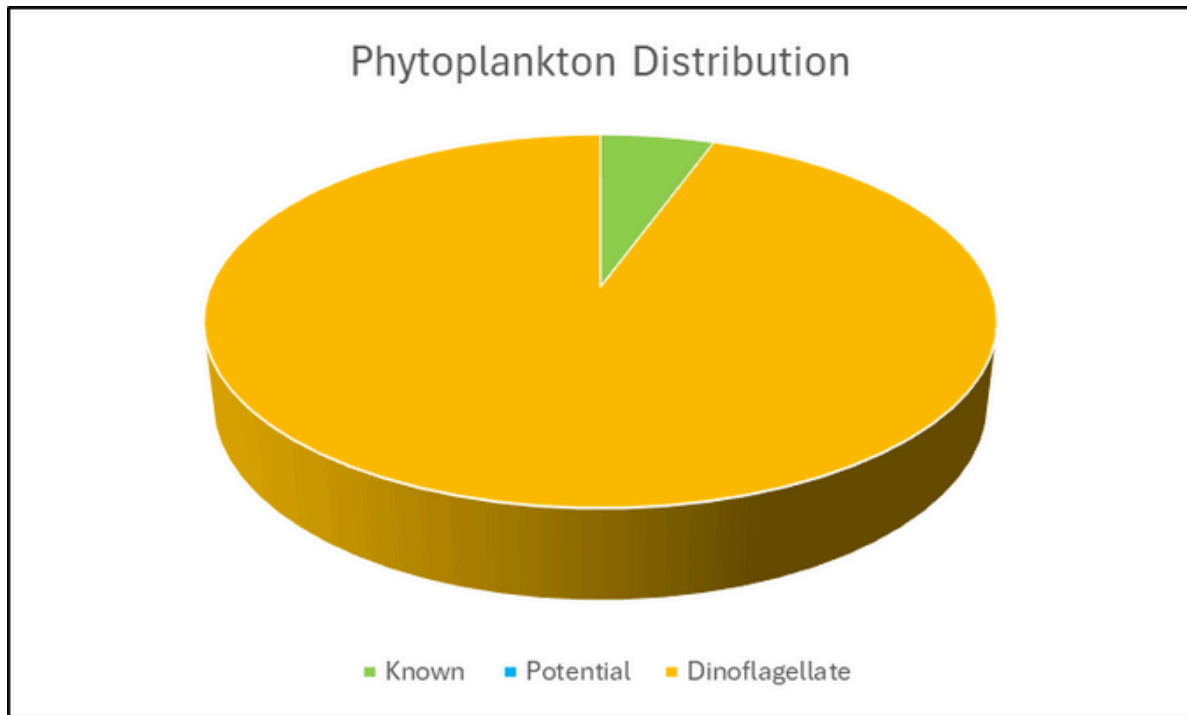
The Condition Index (CI) in Dunmanus increased by 1.1% on Week 30 to 36.3%. The sea temperature was stable at 17.5°C (+0.1°C from the previous week).

The larvae population decreased to 91 spat/m³ composed of 3 to 5 weeks old larvae. This could indicate that larvae present in Week 29 may have settled.

The concentration of sea squirt in the sample was 186 ind./m³, which is a sharp decrease from Week 29 (1603 ind./m³). The sample presented moderate levels of copepods and tubeworm, and low levels of starfish. The phytoplankton biomass in the sample was low with *P. micans* and *C. fusus* dominant and *Karenia m.* also present.

Considering the sharp decrease of the sea squirt population, it is possible that a settlement occurred and that significant fouling could be expected.





The phytoplankton concentration increased in Week 30 to 93,840 cells/litre, dominated by dinoflagellate (94%) and known food source species (6%).

