

Dunmanus Bay

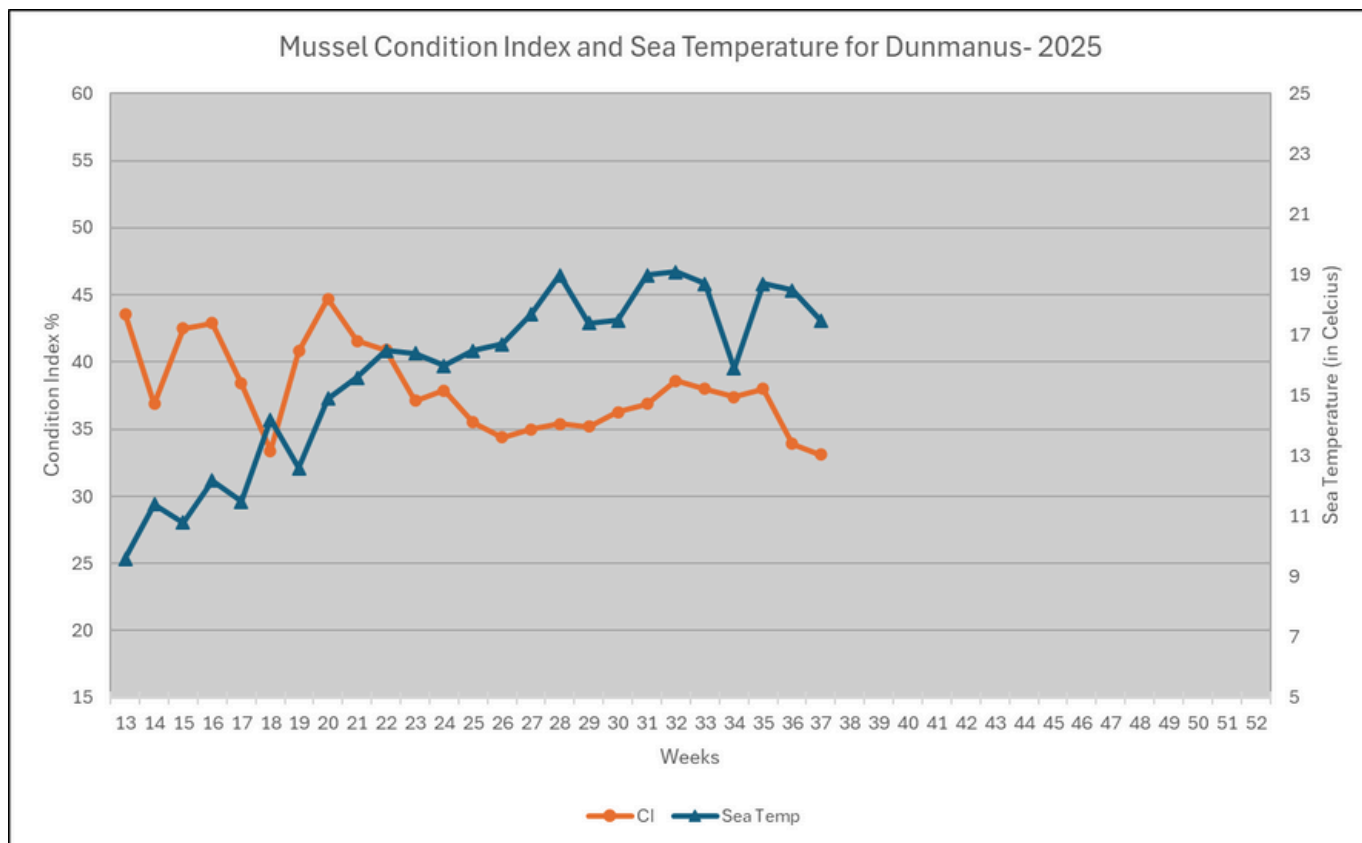
Southwest Mussel Larvae sampling

15th September 2025

Week 37 (8/09/2025 to 14/09/2025)

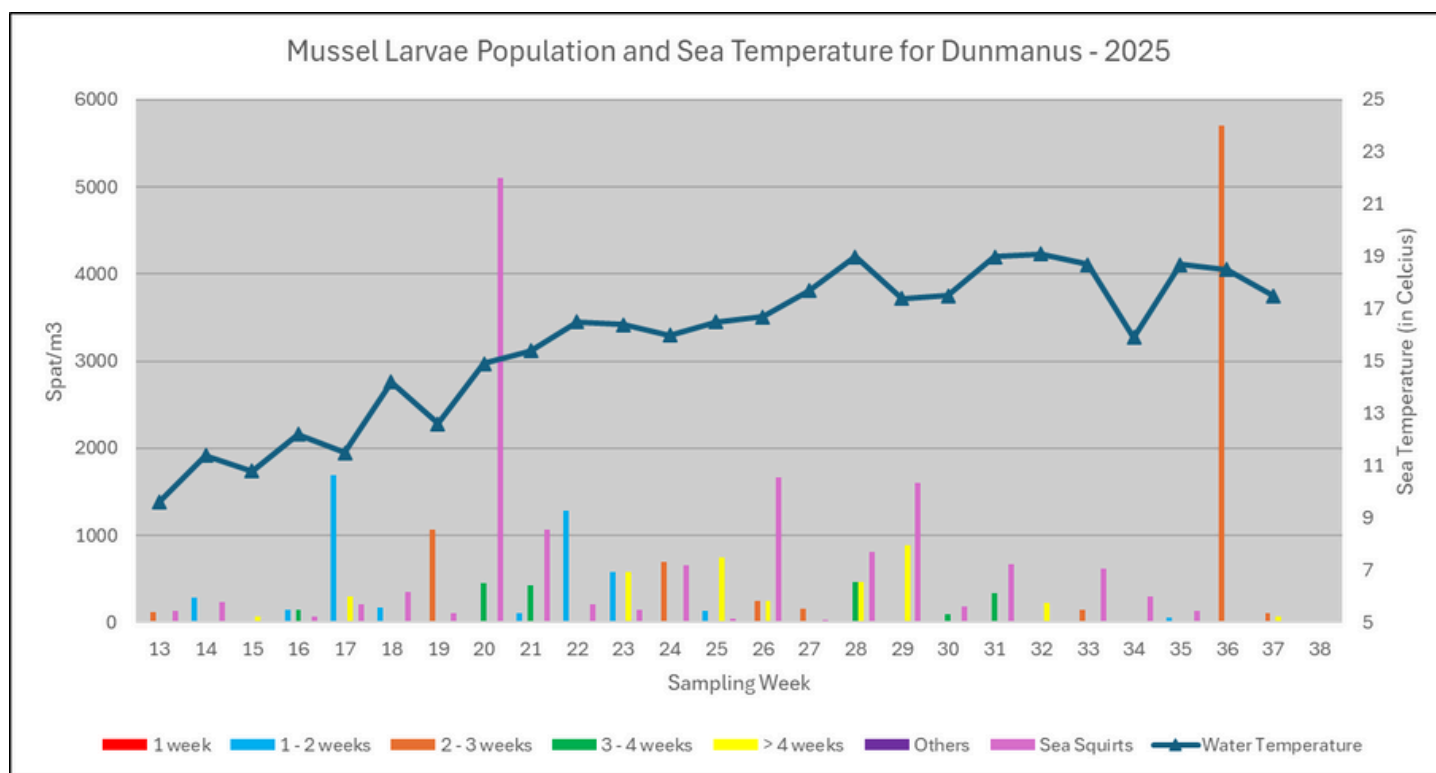


Condition Index (CI) for Dunmanus Bay



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

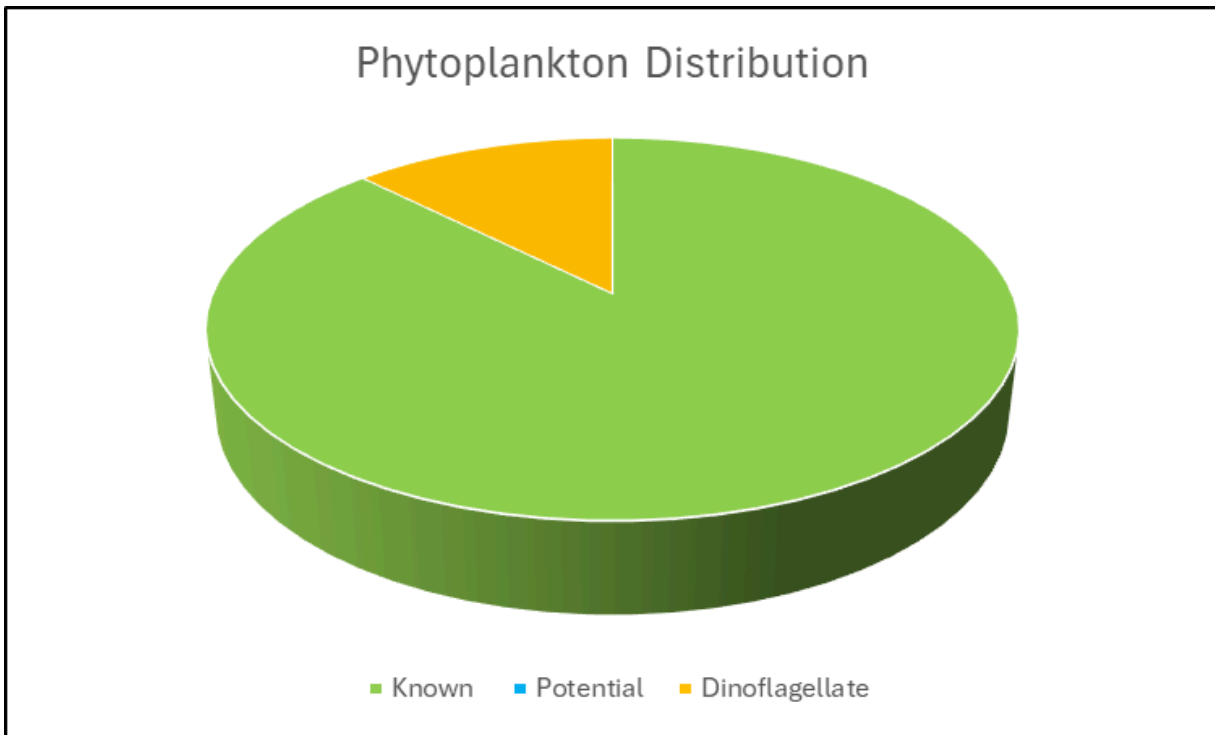
The Condition Index (CI) in Dunmanus decreased further to 33.1 % (-0.8% from the previous week). The sea temperature decreased by 1°C at 17.5°C.

The larvae population for Week 37 was 169 spat/m³ composed at 60% of 2 to 4 weeks old larvae and 40% of 5 to 6 weeks old. This is the highest larvae concentration observed so far for this station.

This is a significant decrease from Week 36, and the high concentration observed that week (5699 spat/m³) were not replicated for Week 37.

No sea squirts were observed in the sample. The levels of copepods, crab and sea matting were low. The phytoplankton biomass in the sample was low and dominated by Ceratium and Dinophysis. Low levels of seaweed plantlets were also observed in the sample.





The phytoplankton concentration significantly decreased in Week 37 to 7,360 cells/litre, dominated by known food source species (88%) and some dinoflagellate (12%).

