

Dunmanus Bay

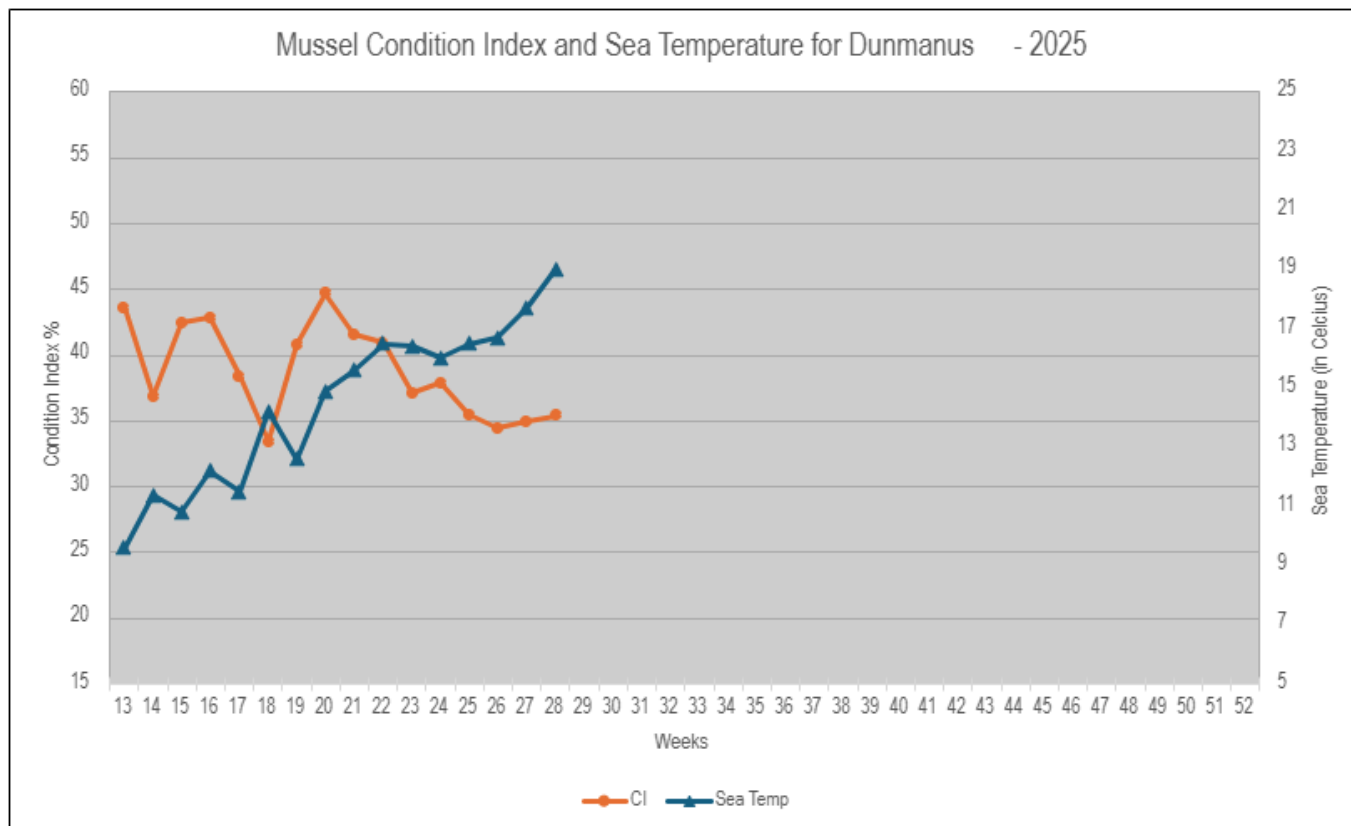
Southwest Mussel Larvae sampling

14th July 2025

Week 28 (7/07/2025 to 13/07/2025)

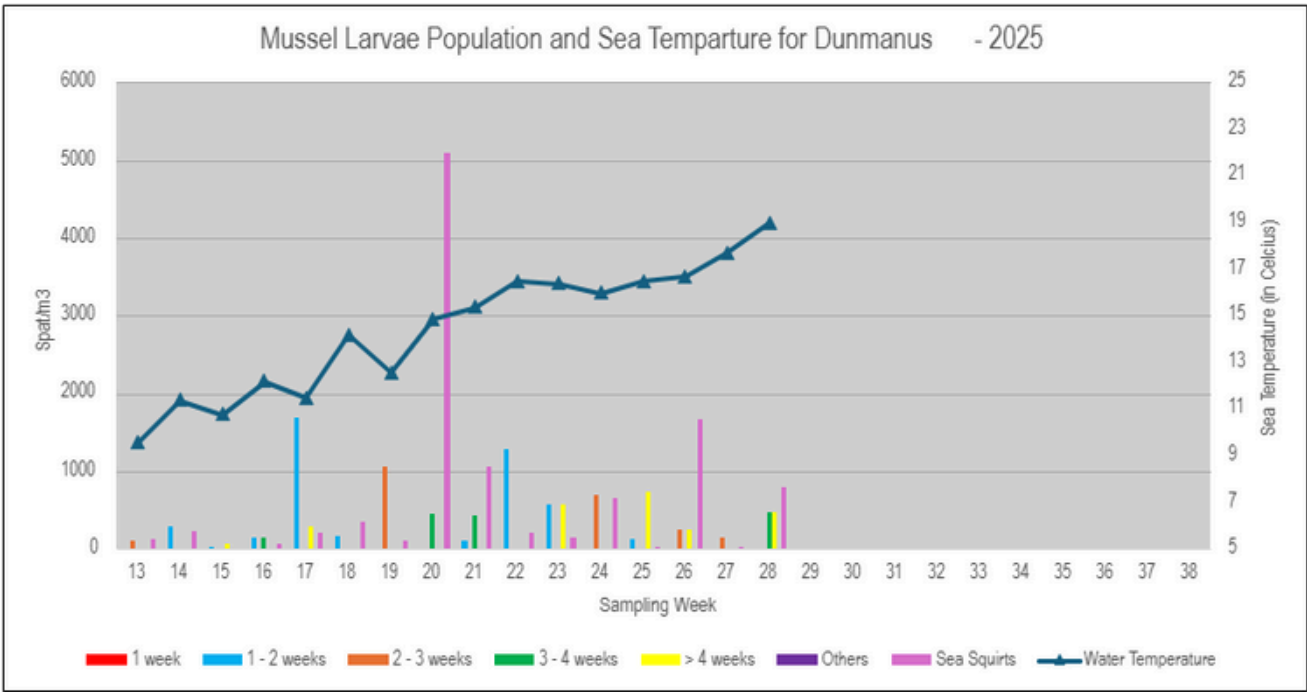


Condition Index (CI) for Dunmanus Bay



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

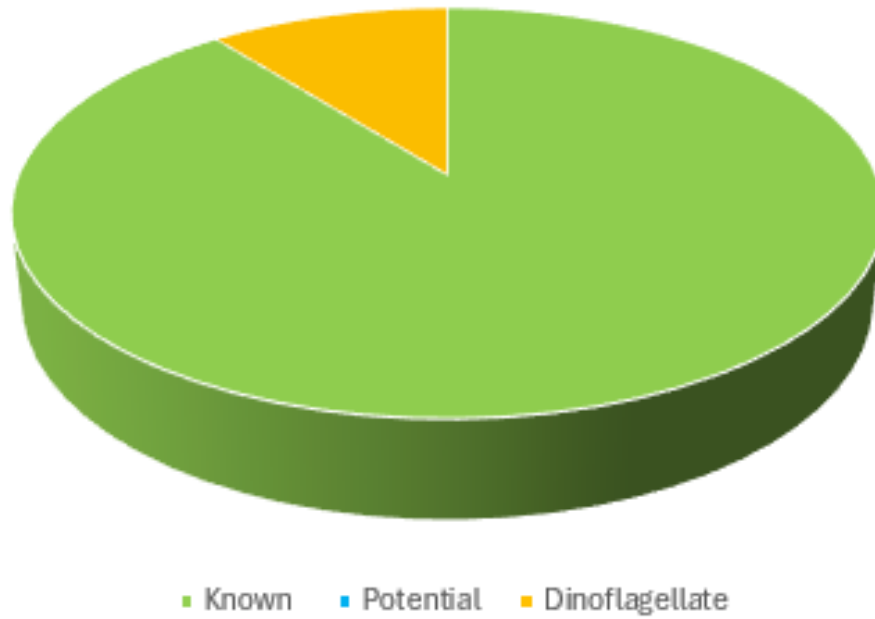
The Condition Index (CI) in Dunmanus slightly increased (+0.4 % to 35.5%). The sea temperature increased to 19°C (+1.3°C from Week 27).

The larvae population was 932 spat/m³, with 50% at 4-5 weeks and 50% at 3-4 weeks

The concentration of sea squirts in the sample was 804 ind./m³. Copepods were present in very high levels. Barnacles, tubeworm and starfish were also present at high levels. The phytoplankton concentration was high at 17320 cells/litre and dominated by a single Chaetoceros species.



Phytoplankton Distribution



Following a significant decrease in Week 27, phtoplankton remained stable, increasing slightly to 17320 cells/litre. Known food source species presented the highest concentration (86%) and dinoflagellate (14%).

