**Data extraction for project: “*influence of ocean productivity on the growth rate of the bivalve mollusc Glycymeris glycymeris in Northwestern Scotland*”**

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**DOI: 10.17031/68f89163958d0**

**Webpage: https://doi.mba.ac.uk/data/3566/**

**Note 1:** As always, this dataset has been carefully built and checked accordingly. However, it is the user’s responsibility to perform his own verifications.

**Note 2:** This dataset is associated with a Digital Object Identifier or DOI. Please, use the DOI for all citations. Please do not share this dataset outside the current project.

**Quick description of the dataset**

**1 – The dataset contains 8 files:**

1. “CPR\_Data\_GrowthRateBivalve\_22102025.docx”: This document
2. “CPR\_GrowthRateBivalve\_ControlMap\_22102025.png”:

Map representing the selected samples from January 1958 to December 2021

* 22679 samples in the area from 55°N to 60°N, and -10°E to 0°E.

1. “CPR\_GrowthRateBivalve\_Data\_LargeZooplankton\_22102025.csv”: Abundance data for taxa in all selected samples.

* Rows: All samples for the selected area (22679 samples).
* Column 1: Unique sample id. For instance: “240B--27” corresponds to the 27th sample for the 240th transect on the B route.
* Columns from 2 to 8: Spatio-temporal coordinates for each sample.
* Columns from 9 to 76: Abundance data for all selected large zooplankton (68 taxa).

Abundance per samples is expressed in number of individuals per 3m3.

Note 1: In a given sample, the abundance value of a specific taxon, is set to NaN (Not A Number) when the corresponding Data of Routine Identification (DRI) is posterior to the date of sample collection.

Note 2: We may notice very small values (10^-10) or any other number with a very small fraction. Sometimes, our analysts can identify the presence of a specific taxa but are unable to quantify it. In that case, they report the taxa as “present”. This is hard-coded in our database as a very small value (10^-10) for statistical reasons.

1. “CPR\_GrowthRateBivalve\_List\_LargeZooplankton\_22102025.csv”: List of large zooplankton (>2mm)

* Rows: All selected taxa (68 taxa).
* Column 1 “Accepted\_ID”: Unique identifier used by the CPR survey
* Column 2 "Taxon\_Name”: Unique name used by the CPR survey
* Column 3 "WoRMS\_Name”: Name used by WoRMS corresponding to the “aphia\_id”.
* Column 4 "Aphia\_ID”: Identifier used by WoRMS
* Column 5 "DRI”: Date of Routine Identification. Before that date, un taxon was not on our routine taxa list. For a given taxon, abundances associated with samples taken before the DRI are set to a NaN (Not A Number).

1. “CPR\_GrowthRateBivalve\_Data\_SmallZooplankton\_22102025.csv”: Abundance data for small zooplankton (< 2 mm, 53 taxa)

Same architecture as “CPR\_GrowthRateBivalve\_Data\_LargeZooplankton\_22102025.csv”

1. “CPR\_GrowthRateBivalve\_List\_SmallZooplankton\_222102025.csv”: List of small zooplankton (< 2 mm, 53 taxa)

Same architecture as “CPR\_GrowthRateBivalve\_List\_LargeZooplankton\_22102025.csv”

1. “CPR\_GrowthRateBivalve\_Data\_Phytoplankton\_22102025.csv”: Abundance data for phytoplankton (121 taxa)

Same architecture as “CPR\_GrowthRateBivalve\_Data\_LargeZooplankton\_22102025.csv”

1. “CPR\_GrowthRateBivalve\_List\_Phytoplankton\_22102025.csv”: List of Phytoplankton (121 taxa)

Same architecture as “CPR\_GrowthRateBivalve\_List\_LargeZooplankton\_22102025.csv”