Helcom metadata catalogue

# State of the soft bottom macrofauna community

The indicator evaluates the status of the soft-bottom macrofauna community above the permanent halocline in the open sea areas of the Baltic Sea. Quantitative thresholds are used to evaluate if core indicators status is Good, Not good or Not assessed. The current assessment result shows good status in most of the evaluated assessment units. The indicator is not used in coastal areas which are assessed by national methods or in areas below the halocline which are assessed using the Oxygen debt indicator. The indicator takes into account the relative proportion of sensitive and tolerant species, as well as species richness and abundance.

This dataset displays the result of the indicator in HELCOM Assessment Scale 4 (Division of the Baltic Sea into 17 sub-basins and further division into coastal and off-shore areas and division of the coastal areas by WFD water types or water bodies), so that the indicator is only applicable in the open sea assessment units.

Attribute information:

HELCOM_ID = Helcmon assessment unit scale 4 ID

threshold = Indicator threshold value

Indicator = Value of the indicator

Status = Status of the indicator (“Good”, “Not good” or “Not assessed”)

ConfA = confidence of classification

ConfT = Temporal confidence of classification

ConfS = Spatial confidence of classification

ConfM = Methodological confidence of classification

A_unit = Name of scale 4 Helcom assessment unit

## Simple

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|---|---|
| **Date (Publication)** | 2017-06-30 |
| **Unique resource identifier** | https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/0e69a962-1a80-4b3e-911f-8c462bbec52d |
| **pointOfContact**<br>*HELCOM Secretariat* | |
| **GEMET - INSPIRE themes, version 1.0** | • Habitats and biotopes |
| **GEMET** | • animal species<br>• marine fauna |
| **Keywords** | • MADS<br>• HOLAS2<br>• Core indicator |
| **Use constraints** | Other restrictions |
| **Other constraints** | Use constraints: The data and resulting data products (tables, figures and maps) available on the indicator web page can be used freely given that the source is cited. The indicator should be cited as following:<br><br>HELCOM (2017) State of soft-bottom macrofauna community. HELCOM core indicator report. Online. [Date Viewed], [Web link]. |
| **Access constraints** | Other restrictions |
| **Other constraints** | Access constraints: No limitations on public access. |

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|---|---|
| **Spatial representation type** | Vector |
| **Metadata language** | English |
| **Topic category** | • Environment |

| 65.91 | N | 53.61 | S | 30.25 | E | 8.19 | W |
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|---|---|
| **Begin date** | 2011-01-01 |
| **End date** | 2015-12-31 |
| **Unique resource identifier** | EPSG:3035 |
| **Distribution format** | • ESRI Shapefile ( 1.0 ) |
| **OnLine resource** | Download dataset ( WWW:LINK-1.0-http--link ) |
| **OnLine resource** | Open in Map Viewer ( WWW:LINK-1.0-http--link ) |
| **Hierarchy level** | Dataset |

## Conformance result

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|---|---|
| **Date (Publication)** | 2010-12-08 |

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| **Statement** | Evaluating the status of soft-bottom macrofauna in the open sea assessment units is done using a method based on a common indicator, the Benthic Quality Index (BQI), where the abundance weighted proportion of sensitive to tolerant taxa and the diversity of the community are the determining parameters. Generally, the higher the proportion of sensitive taxa and the higher the number of different species, the better the environmental status is evaluated to be.<br><br>The snapshot dataset on macrofauna includes data from DK, EE, FI, DE, LV, LT, PL, SE<br><br>Data was extracted from the HELCOM COMBINE database, hosted at ICES. The extracted dataset was supplemented with additional data from Estonia, Latvia, Lithuania and Germany.<br><br>Offshore waters: Monitoring started in some places in 1964. Current status is representing the time period 2011-2015. Monitoring is on-going and contracting parties are reporting data yearly to the COMBINE database at ICES. The confidence of the indicator result is generally high, however regional differences occur as there is variation in how well the data covers the assessed areas spatially and temporally.<br><br>Additional info: http://helcom.fi/baltic-sea-trends/indicators/ |
| **File identifier** | 0e69a962-1a80-4b3e-911f-8c462bbec52d XML |
| **Metadata language** | English |
| **Character set** | UTF8 |
| **Hierarchy level** | Dataset |
| **Date stamp** | 2021-09-09T11:59:57 |

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## Overviews

## Provided by