Helcom metadata catalogue

# Total nitrogen

This indicator evaluates the eutrophication status of the Baltic Sea area based on annual total nitrogen concentration. The measured average total nitrogen is derived from in-situ measurements from oceanographic monitoring data for 2011-2015 (umol/l), surface water (0-10 m). More detailed description on methodology can be found at HELCOM Core indicator report ( http://www.helcom.fi/baltic-sea-trends/indicators/total-nitrogen) and HELCOM Eutrophication assessment manual ( http://www.helcom.fi/Documents/Eutrophication%20assessment%20manual.pdf)

This dataset displays the result of the indicator in HELCOM Assessment Scale 4 (Division of the Baltic Sea into 17 open sea sub-basins and division of coastal areas to WFD water types or water bodies). The open sea areas have been assessed based on HELCOM Monitoring data and results for coastal areas are based on national WFD results. Some of the open sea areas have not been assessed due to lack of commonly agreed threshold value.

Attribute information:

“Code” = Code of the Helcom scale 4 assessment unit

"Description" = Name of the Helcom scale 4 assessment unit”

“Name” = Name of indicator

“Season” = Season of the indicator (Summer = June-September)

“Period” = Assessment unit period start and end year (20112015 = 2011 – 2015)

“ES” = Indicator value calculated for the assessment unit

“STD” = Standard deviation of data used for calculating ES

“N” = Number of samples

“ET” = Commonly agreed thershold value

“ER” = Ratio between ES and ET (in case of indicator with positive

response to eutrophication)

ES_SCORE” = Confidence based on the data used for calculating ES

ET_SCORE” = Confidence of target-setting procedure I_SCORE” = Confidence (%) = average of ES-Score and ET-Score

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

“CONFIDENCE” = Confidence of result based on I-SCORE (“High”, “Moderate” or “Low”)

# Simple

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|---|---|
| **Date (Publication)** | 2017-06-30 |
| **Unique resource identifier** | https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/6b76246a-3ef0-437f-89e0-815353cf5ee3 |
| **pointOfContact**<br>*HELCOM Secretariat* | |
| **GEMET - INSPIRE themes, version 1.0** | • Sea regions |
| **GEMET** | • environment |
| **Keywords** | • MADS<br>• HOLAS2<br>• Core indicator |
| **Use constraints** | Other restrictions |
| **Other constraints** | |

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|---|---|
| | Use constraints: Data can be used freely given that the source (HELCOM) is cited. |
| **Access constraints** | Other restrictions |
| **Other constraints** | Access constraints: No limitations on public access. |
| **Spatial representation type** | Vector |
| **Metadata language** | English |
| **Topic category** | • Environment<br>• Oceans |

| 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** | The dataset was created in June 2017. |
| **File identifier** | 6b76246a-3ef0-437f-89e0-815353cf5ee3 XML |
| **Metadata language** | English |
| **Character set** | UTF8 |
| **Hierarchy level** | Dataset |
| **Date stamp** | 2021-09-09T12:02:30 |

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## Overviews

## Provided by