Heavy metals - lead (Pb) sediment data

This dataset represents the underlying sediment data on core indicator Heavy metals – Lead.The core indicator evaluates the status of the marine environment based on concentrations of heavy metal Lead (Pb) in water, fish liver and sediments. Quantitative thresholds are used to evaluate if core indicators status is Good, Not good or Not assessed. Threshold values are based on Environmental quality standards (EQS), defined at EU level for substances included in the priority list under the Water Framework Directive.

The Core indicator 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).

Attribute information:

region = MIME subregion

country = country

station = Unique text that identifies the station

stationNam = name for the station

latitude = latitude coordinate of station

longitude = longitude coordinate of station

determinand = determinand

detGroup = the grouping of determinands used to display the results

species = species of measurment

shape = shape used to map assessment results

colour = colour used to map assessment results

l4area = Helcom assessment unit

MSTAT = Type of monitoring station

WLTYP = Water and Land Station Type

fileGroup = used to find the url of the graphs associated with the timeseries

fileSuffix = used to find the url of the graphs associated with the timeseries

filePrefix = used to find the url of the graphs associated with the timeseries

nyall = total number of years of data

nyfit = number of years of data used in the assessment

nypos = number of years with at least one measurement above the limit of detection

lastyear = most recent year of data

pnonlin = the significance of the nonlinear component of the trend (if fitted)

pltrend = the significance of the linear component of the trend (if fitted)

ltrend = annual ‘linear’ change over the whole time series; for contaminants, this is the annual change in log-concentration multiplied by 100, which is approximately the annual percentage change in concentration

prtrend = the significance of the change over the most recent 20 years; for the assessment conducted in November 2016 and published in June 2017, this is the period 1996-2015.

rtrend = annual ‘linear’ change over the most recent 20 years

dtrend = for contaminants, (approximately) the annual percentage change in concentration that will be detected with 90% power with ten years of annual monitoring

meanLY = fitted value in last monitoring year

clLY = upper one-sided 95% confidence limit on fitted value in last monitoring year

EQS = Threshold value

EQSdiff = difference between clLY and EQS

EQSachieve = the year when the mean value is projected to be below the EQS, given current trends (with 3000 indicating it is a very long way off!)

EQSbelow = whether the mean value in the last monitoring year is significantly below EQS

Simple

Date (Publication)	2017-06-30
Unique resource identifier	https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/e5f8f266-f55b-4e67-8c7b-89e0fc05cdc5
pointOfContact *HELCOM Secretariat*	
GEMET - INSPIRE themes, version 1.0	• Oceanographic geographical features
GEMET	• heavy metal • hazardous substance
Keywords	• MADS • HOLAS2 • Core indicator data
Use constraints	Other restrictions
Other constraints	Use constraints: Data can be used freely given that the source is cited (following creative commons license CC-BY). The source should be cited as: “HELCOM (2017) Metals (lead, cadmium and mercury). HELCOM core indicator report. Online. [Date Viewed], [Web link].”
Access constraints	Other restrictions
Other constraints	Access constraints: No limitations on public access.
Spatial representation type	Vector
Metadata language	English
Topic category	• Environment

65.74	N	53.45	S	24.73	E	8.14	W



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

Date (Publication)	2010-12-08

Statement	The indicator is based on data held in the HELCOM COMBINE database, hosted at the International Council for the Exploration of the Seas (ICES). All available data on lead in water, fish liver and bottom sediments up to 2015 were used. Evaluation is carried out using an agreed R-script that runs a statistical analysis. The overall confidence of the indicator evaluation is high. Additional info: http://helcom.fi/baltic-sea-trends/indicators/metals/ Link to Core indicator Metadata: http://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/303904af-16c3-440f-8829-48fc263adc61
File identifier	e5f8f266-f55b-4e67-8c7b-89e0fc05cdc5 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2021-09-09T12:03:48

pointOfContact
HELCOM Secretariat

Overviews

Provided by