



Metadata

Northern GIG Lakes Macroinvertebrates acidification data (WFD Intercalibration)

SUPPORTED BY



Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>
Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Northern GIG Lakes Macroinvertebrates acidification data (WFD Intercalibration)*

type of dataset ([more information](#)): *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data*

short description of the dataset/summary:

Collated for the purposes of intercalibrating the outputs of the Northern GIG WFD lakes macroinvertebrate tools. This dataset is specific to the intercalibration of the tools assessing lake acidification. Includes data from a large number of lakes from across the GIG region, provided by participating countries. The dataset includes raw invertebrate data and physico-chem data in addition to some typological information. Note that not all the data from this dataset will be made available to BioFresh science work packages or the data portal.

science keywords according to [GCMD](#):

topic: *Biological Classification*

keywords: *lake macroinvertebrates, lake benthic fauna, lake typology, acidification, Water Framework Directive, Intercalibration dataset*

ISO topic category according to [ISO 19115](#):

Biota, Inland Waters

Technical and administrative specifications

data format: *Excel*

operating system: *all Windows systems*

data language: *English*

current access level: *restricted access*

web address (URL): *no web address*

update level: *completed*

documentation:

Do you plan to publish the data on the Freshwater Biodiversity data portal:

media for data delivery: *e-mail*

contact details:

metadata contact person:

first, last name: *Sian Davies*

email: *siandavies2010@yahoo.co.uk*

technical contact person:

first, last name: *Dave Colvill*

email: *David.Colvill@sepa.org.uk*

scientific contact person:

comments:

Contact details are provided for the person responsible for completion of the metadata and the GIG lead. The dataset contains data from a number of organisations/institutions, therefore it is not appropriate to provide the name and address of any one institution in the fields above.

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *Members of NGIG*

data contributors to/owners of this dataset:

multiple

number: *4*

provider 1:

provider institute: *Environment Agency/Scottish Environment Protection Agency*

contact name: *Rachel Benstead/Dave Colvill*

contact email: *rachel.benstead@environment-agency.gov.uk david.colvill@sepa.org.uk*

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

other/additional criteria: *Data from the UK are provided by the Environment Agency and the Scottish Environment Protection Agency. There are no data from Northern Ireland in this dataset.*

comments: *The dataset contains results from 174 samples taken from 113 lakes.*

provider 2:

provider institute: *Irish Environment Protection Agency*

contact name: *Ruth Little*

contact email: *r.little@epa.ie*

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

other/additional criteria: *Data provider must be contacted in advance of its use to confirm availability and any restrictions on its use.*

comments: *The dataset contains results from 36 samples taken from 30 lakes.*

provider 3:

provider institute: *Swedish University of Agricultural Sciences*

contact name: *Leonard Sandin*

contact email: *leonard.sandin@slu.se*

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

other/additional criteria: *Data provider must be contacted in advance of its use to confirm availability and any restrictions on its use.*

comments: *The dataset contains results from 464 samples taken from 81 lakes.*

provider 4:

provider institute: *Norwegian Institute for Nature Research*

contact name: *Ann Kristin Schartau*

contact email: *ann.k.schartau@nina.no*

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

other/additional criteria: *Data provider must be contacted in advance of its use to confirm availability and any restrictions on its use.*

comments: *Biological data from Norway are provided by the Norwegian Institute for Nature Research (NINA) and Uni Research, University of Bergen. Chemical data are provided by NINA and the Norwegian Institute for Water Research (NIVA).*

The dataset contains results from 47 samples collected from 24 lakes.

citation of this dataset:

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *continental*
continents: *Europe*
countries: *Europe: Ireland, Norway, Sweden, United Kingdom*

Site specifications

coordinate system/grid data:

grid data available: *no*

comments: *Lake names are the only way to locate them*

other site classification parameters:

Humic or clear

site coding:

site coding available: *yes*

numerical

number of digits: *5*

example: *running numbers*

number of sites:

100 - 1000

exact number of sites: *240*

Climate and environmental data

climate related data: *no data available*

environmental data: *no parameter data per catchment available
no parameter data per site available*

physico-chemistry data: *nitrate, ammonium, sulphate, chloride, sodium, labile aluminium, calcium, alkalinity, TOC (total organic carbon), pH, colour*

other physico-chemical parameters: *Acid neutralising capacity, calculated by two separate methods, DOC*
availability of physico-chemical data, if there is more than one sample per site:

per sample

comments: *A series of physico-chemical data for each site. Amount of data per site varies.*

stressors influencing the sites:

reference sites available: *yes
no stressor data available*

comments: *Information provided on main pressure to the lakes and whether or not they have been limed. No more detailed information is provided.*

Biological data

biological data origin:

from sampling

specify project:

Monitoring networks and specifically collected data

organism group addressed:

macro-invertebrates (Mollusca, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae)

Sample specifications/sample resolution

macro-invertebrates:

sample information:

covered timeframe:

year from - to: 1989 - 2009

historical data: no

palaeo data: no

season: spring, summer, autumn

temporal resolution/frequency of sampling:

Varies, one or more samples per year depending on site

time series data: no

comments: *Physico-chemical data usually as time series, biological mostly one-off samples.*

taxonomic resolution: *order, family, genus, species*

comments: *Species level data is probably > 50%*

taxonomic coding:

taxalist according to: *AQEM*

sample specifications: *quantitative (abundance data)*

replicate samples: no

number of samples: 770

specification of method(s) used for sampling and sorting:

Unknown

sample type (e.g. habitat specific samples, composite samples etc.):

Unknown

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

Mostly littoral zone

Other specifications

availability of photos: *no*

availability of maps: *no*

quality control procedures:

quality control protocols and comments:

Unknown