



# Metadata

## Littoral Macroinvertebrate data from Irish lakes

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### General information

#### name of the dataset:

full name of the dataset: *Littoral Macroinvertebrate data from Irish lakes*

**type of dataset ([more information](#)):** *species distribution data*

data type: *point data/observation data*

short description of the dataset/summary:

*Littoral Macroinvertebrate data from Irish lake for research purposes and ecological assessment. Data were collected by Dr Ruth Little and Dr Gary Free under a research project funded by the EPA.*

**science keywords according to [GCMD](#):**

topic: *Terrestrial Hydrosphere*

keywords: *Littoral; Macroinvertebrates; Lakes; Ecological assessment*

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

*Biota, Environment, Inland Waters*

## Technical and administrative specifications

**data format:** *others/specify*  
others/details: *Web*  
**operating system:** *all operating systems*  
**data language:** *English*  
web address (URL): *http://maps.biodiversityireland.ie/DataSet/38*  
others/details: *http://data.gbif.org/datasets/resource/13075/*  
currently available through [GBIF](#): *yes*  
exchange planned:

**update level:** *completed*

### documentation:

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

media for data delivery: *online internet (HTTP)*  
web address: *http://maps.biodiversityireland.ie/DataSet/38*  
others/details: *http://data.gbif.org/datasets/resource/13075/*

### contact details:

metadata contact person:  
first, last name: *Gary Free*  
email: *G.Free@epa.ie*  
institution: *National Biodiversity Data Centre*  
address: *Beechfield house, Carriganore WIT West Campus*  
postal code, city: *Waterford*  
country: *Ireland*  
web address: *http://www.epa.ie/*

technical contact person:  
first, last name: *Barry O'Neill*  
email: *boneill@biodiversityireland.ie*

scientific contact person:

**comments:** *[Metadata were harvested from National Biodiversity Data Centre. Currently there is no automatic update of data through the BioFresh Data Portal. Please check the original source (<http://maps.biodiversityireland.ie/DataSet/38>) for information about revised or updated entries before using the data.]*

## Intellectual property rights and citation

(if the database is already published):

### dataset creator (data compiler):

contact name: *National Biodiversity Data Centre*

contact email: *boneill@biodiversityireland.ie*

### data contributors to/owners of this dataset:

*single*

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

*The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.*

### citation of this dataset:

title: *National Biodiversity Data Centre: Littoral Macroinvertebrate data from Irish lakes (accessed through GBIF data portal, <http://data.gbif.org/datasets/resource/13075>, 2013-07-18)*

### citation of the metadata:

### comments:

*[Metadata were harvested from National Biodiversity Data Centre. Currently there is no automatic update of data through the BioFresh Data Portal. Please check the original source (<http://maps.biodiversityireland.ie/DataSet/38>) for information about revised or updated entries before using the data.]*

## General data specifications

### regional coverage of the dataset:

scale of the dataset: *national*  
continents: *Europe*

### spatial extend (bounding coordinates):

southernmost latitude [°]: *55.433167*  
northernmost latitude [°]: *51.263184*  
westernmost longitude [°]: *-10.658691*  
easternmost longitude [°]: *-5.464844*  
minimum altitude: *-3 metres*  
maximum altitude: *1038 metres*  
countries: *Europe: Ireland*

## Site specifications

### coordinate system/grid data:

grid data available: yes

site coding available: yes

*alphanumerical*

example:

*LittoralMacroinvertebrateDataEPA 1872*

### number of sites:

*100 - 1000*

exact number of sites:

*228*

## Biological data

**biological data origin:** *from sampling*  
specify project: *a research project funded by the EPA*

organism group addressed: *macro-invertebrates (Mollusca, Crayfish, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae)*

comments: *Additional: Acari; Annelida; Turbellaria; Megaloptera, Coleoptera; Hemiptera; Diptera*

## Sample resolution

### macro-invertebrates:

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

percentage of species level data: 96

comments: *Two-minute kick sample for the lake littoral, preserved in IMS and counted and identified to the highest taxonomic resolution possible/practical.*

*Several taxa were grouped to Genus to ensure compatibility for analysis.*

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### **taxonomic coding:**

## Other specifications

### GIS layers, shapes related to the dataset:

*species distribution*

**availability of photos:** *no*

**availability of maps:** *yes*

### quality control procedures:

Were any quality control procedures applied to your dataset?

*yes*

quality control protocols and comments:

*Overall good quality data.*