**General information**

<table>
<thead>
<tr>
<th>name of the dataset:</th>
<th>Freshwater Biodata Information System (FBIS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>type of dataset (more information):</td>
<td>biological or ecological traits/information database</td>
</tr>
<tr>
<td>data type:</td>
<td>point data/observation data</td>
</tr>
<tr>
<td>short description of the dataset/summary:</td>
<td>The Freshwater Biodata Information System (FBIS) contains fish, algae, aquatic plant and invertebrate data and metadata gathered from New Zealand's freshwater streams, rivers and lakes.</td>
</tr>
</tbody>
</table>

**science keywords according to GCMD:**

| topic: | Biological Classification, Terrestrial Hydrosphere |
| keywords: | Macro-Invertebrate traits; Habitats; Species; Location; Sampling Effort |

**ISO topic category according to ISO 19115:**

| Biota, Environment, Inland Waters |
Technical and administrative specifications

data format: others/specify
  others/details: Database report tables
operating system: all operating systems
data language: English
current access level: web (public)
  web address (URL): https://fbis.niwa.co.nz/fbis/index.do
  others/details: http://dc.niwa.co.nz/niwa_dc/srv/eng/metadata.show?id=266
currently available through GBIF: no
  exchange planned: yes
update level: continuously updated

doctoration:
Do you plan to publish the data on the Freshwater Biodiversity data portal:
  media for data delivery: online internet (HTTP)
  web address: https://fbis.niwa.co.nz/fbis/index.do
  others/details: http://dc.niwa.co.nz/niwa_dc/srv/eng/metadata.show?id=266

contact details:

  metadata contact person:
  first, last name: Jochen Schmidt
  email: Jochen.Schmidt@niwa.co.nz
  institution: NIWA (National Institute of Water & Atmospheric Research)
  address: 41 Market Place
  postal code, city: 1010 Auckland Central
  province, state: Newmarket, Auckland 1149
  country: New Zealand
  web address: http://www.niwa.co.nz

  technical contact person:
  first, last name: FBIS Team
  email: fbis@niwa.co.nz

  scientific contact person:
  first, last name: FBIS Team
  email: fbis@niwa.co.nz

comments: [Metadata were harvested from NIWA. Currently there is no automatic update of data through the BioFresh Data Portal. Please check the original source (http://dc.niwa.co.nz/niwa_dc/srv/eng/metadata.show?id=266) 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: NIWA

  contact email: enquiries@niwa.co.nz

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: https://fbis.niwa.co.nz/fbis/index.do - Freshwater Biodata Information System (FBIS). (Version **).

  year: year of access

  version (if applicable): version number from website

citation of the metadata:
General data specifications

regional coverage of the dataset:

  scale of the dataset: national
  continents: Oceania

available distribution data:

  world climatic regions
  freshwater ecoregions of the world (FEOW) according to WWF
  country distribution
Biological data

biological data origin:

organism group addressed: fish, macro-invertebrates, phytobenthos, (benthic) diatoms, macroalgae, macrophytes
Species related information

**fish:**
taxonomic resolution:
taxonomic coding:
availability of specific ecological/biological information:
  *altitudinal preferences, habitat preferences, life history characteristics*

**macro-invertebrates:**
taxonomic resolution:
taxonomic coding:
availability of specific ecological/biological information:
  *altitudinal preferences, habitat preferences, life history characteristics*

**phytobenthos:**
taxonomic resolution:
taxonomic coding:
availability of specific ecological/biological information:
  *altitudinal preferences, habitat preferences, life history characteristics*

**(benthic) diatoms:**
taxonomic resolution:
taxonomic coding:
availability of specific ecological/biological information:
  *altitudinal preferences, habitat preferences, life history characteristics*

**macroalgae:**
taxonomic resolution:
taxonomic coding:
availability of specific ecological/biological information:
  *altitudinal preferences, habitat preferences, life history characteristics*

**macrophytes:**
taxonomic resolution:
taxonomic coding:
availability of specific ecological/biological information:
  *temperature preferences, habitat preferences, life history characteristics*
### Dataset: Freshwater Biodata Information System (FBIS)

**Other specifications**

<table>
<thead>
<tr>
<th>availability of photos:</th>
<th>no</th>
</tr>
</thead>
<tbody>
<tr>
<td>availability of maps:</td>
<td>yes</td>
</tr>
<tr>
<td>quality control procedures:</td>
<td></td>
</tr>
</tbody>
</table>