Metadata

Australian Streams

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: *Australian Streams*

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

data type: *point data/observation data*

science keywords according to GCMD:

topic: *Agriculture*

ISO topic category according to ISO 19115:

Farming, Biota, Inland Waters

Technical and administrative specifications

data format:	*others/specify*
others/details:	*Open office tables*
operating system:	*Apple Mac*
data language:	*English*
current access level:	*internal*
web address (URL):	*PasteurstraÃ?ï¿½e 6*
update level:	*completed*
documentation:	
type:	*scientific paper*
language:	*English*
Do you plan to publish the data on the Freshwater Biodiversity data portal:	
media for data delivery:	*e-mail*
web address:	*ralf.schaefer@rmit.edu.au*
others/details:	*senator@ecotoxicology.de*
contact details:	

metadata contact person:

first, last name:	*Ralf SchÃƒÆ'Ã‚Â¤fer*
phone:	*06341 3888011*
email:	*senator@ecotoxicology.de*
institution:	*University Koblenz-Landau*
address:	*Fortstrasse 7*
postal code, city:	*76829 Landau*
province, state:	*Rheinland-Pfalz*
country	*Germany*
web address:	*PasteurstraÃ?ï¿½e 6*

technical contact person:

first, last name:	*Ralf SchÃ¤fer*
phone:	*06341 3888011*
email:	*senator@ecotoxicology.de*

scientific contact person:

first, last name:	*Ralf SchÃ¤fer*
phone:	*06341 3888011*
email:	*senator@ecotoxicology.de*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact email: *Jun.Prof. Dr. Ralf B. Schäfer*

data contributors to/owners of this dataset:

single

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

Other/Additional criteria

other/additional criteria: *Data provider must be offered co-authorship for publications using this dataset. Data must be publicly acknowledged and cited correctly.*

citation of this dataset:

author(s): *Schäfer, R. B.; Pettigrove, V.; Rose, G.; Allinson, G.; Wightwick, A.; von der Ohe, P. C.; Shimeta, J.; Kefford, B. J.*

title: *Effects of pesticides monitored with three sampling methods in 24 sites on macroinvertebrates and microorganisms. Environmental Science & Technology 2010*

year: *2010*

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset:	*regional*
continents:	*Oceania*

spatial extend (bounding coordinates):

southernmost latitude [°]:	*-10.004921*
northernmost latitude [°]:	*-43.642558*
westernmost longitude [°]:	*112.893555*
easternmost longitude [°]:	*153.836914*
minimum altitude:	*-15 metres*
maximum altitude:	*2228 metres*
countries:	*Oceania: Australia*

Site specifications

coordinate system/grid data:	*latitude/longitude*
	projected
grid data available:	*no*
site coding available:	*yes*
	numerical
number of sites:	*<100*
exact number of sites:	*24*

Climate and environmental data

climate related data:

environmental data:

available parameters per site: *catchment land use upstream of sampling site*

available parameters per site: *information on riparian vegetation (incl. information on modification)*

available parameters per site: *information on embankment (incl. information on modification)*

available parameters per site: *information on water uses (e.g., irrigation, fish ponds)*

available parameters per site: *altitude*

available parameters per site: *current velocity*

available parameters per site: *maximum depth*

available parameters per site: *mean depth*

available parameters per site: *wetted width*

available parameters per site: *substrate composition*

available parameters per site: *information on instream habitat (incl. information on modification)*

physico-chemistry data: *ortho P, nitrate, nitrite, ammonium, hardness, alkalinity, oxygen content, water temperature, pH, conductivity, suspended solids, substrate*

availability of physico-chemical data, if there is more than one sample per site: *per sample*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication			yes	
toxic stress			yes	

Biological data

biological data origin:	*from sampling*
specify project:	*DFG Project SCHA 1580-1/2*
organism group addressed:	*macro-invertebrates (Mollusca, Crayfish, Crabs, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae), other group(s): microorganisms*

Sample specifications/sample resolution

macro-invertebrates:

sample information:

covered timeframe:

year from - to: *2008 - 2009*

historical data: *no*

palaeo data: *no*

season: *spring, summer*

time series data: *no*

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

percentage of species level data: *10*

taxonomic coding:

coding system: *Victorian EPA*

sample specifications: *semi-quantitative*

replicate samples: *no*

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

Pool sampling and riffle sampling with live picking according to:

Resh, V. H.; Norris, R. H.; Barbour, M. T., Design and implementation of rapid assessment approaches for water-resource monitoring using benthic macroinvertebrates. Australian Journal of Ecology 1995, 20, (1), 108-121.

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

composite samples of all habitats

other group(s):

sample information:

covered timeframe:

year from - to: *2009 - 2009*

historical data: *no*

season: *summer*

time series data: *no*

taxonomic resolution: *order, family*

taxonomic coding:

sample specifications: *semi-quantitative*

replicate samples: *yes*

number of samples: *2*

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

see reference for database

Other specifications

GIS layers, shapes related to the dataset:
hydrological information (as HydroSHEDS)
land use
availability of photos: *yes*
availability of maps: *yes*
quality control procedures: