



Metadata

Ruhr Monitoring near Arnsberg

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General information

name of the dataset:

full name of the dataset: *Ruhr Monitoring near Arnsberg*

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: *Biosphere*

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

Biota, Inland Waters

Technical and administrative specifications

data format: *Access*
others/details: *Access 2003*
operating system: *Win 7*
data language: *English*
current access level: *internal*
update level: *continuously updated*
documentation:
Do you plan to publish the data on the Freshwater Biodiversity data portal:
no
media for data delivery: *online internet (HTTP)*

contact details:

metadata contact person:
first, last name: *Kathrin Januschke*
phone: *+49 (201) 1833113*
email: *kathrin.januschke@uni-due.de*
institution: *Department of Aquatic Ecology, University of Duisburg-Essen*
postal code, city: *45141 Essen*
country: *Germany*

technical contact person:
scientific contact person:

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *Kathrin Januschke*
contact email: *kathrin.januschke@uni-due.de*
contact institution: *Department of Aquatic Ecology, University of Duisburg-Essen*

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 cannot be used in publication.*

citation of this dataset:

citation of the metadata:

General data specifications

regional coverage of the dataset:

continents:

Europe

countries:

Europe: Germany

comments:

Ruhr river, city of Arnsberg

Site specifications

coordinate system/grid data: *projected, local others: DHDN_3_Degree_Gauss_Zone_3*

datum (e.g. WGS84): *DHDN*

comments: *Bessel_1841*

other site classification parameters:

floodplain type (Koenzen, 2005): Gefaellereiche Flussaue des Grundgebirges (Schotter)

number of sites: *<100*

exact number of sites: *6*

comments: *3 young restored, 2 non-restored and 1 old (passively) restored section*

Climate and environmental data

climate related data: *no data available*

comments: *Data availability will be checked, if necessary*

environmental data: *no parameter data per catchment available*

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

available parameters per site: *information on embankment (incl. information on modification) ~~data source~~:habitat data*

available parameters per site: *information on channel form (incl. information on modification) ~~data source~~:habitat data*

available parameters per site: *information on cross section (incl. information on modification) ~~data source~~:habitat data*

available parameters per site: *altitude*

available parameters per site: *current velocity*

available parameters per site: *~~data source~~:current data using a 5-point scale (100 data point per sample)*

available parameters per site: *maximum depth*

available parameters per site: *~~data source~~:habitat data*

available parameters per site: *mean depth*

available parameters per site: *~~data source~~:habitat data*

available parameters per site: *wetted width*

available parameters per site: *~~data source~~:habitat data*

available parameters per site: *substrate composition*

available parameters per site: *~~data source~~:habitat data*

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

comments: *Catchment data availability will be checked, if necessary*

physico-chemistry data: *water temperature, pH, conductivity*

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
hydromorphological degradation	yes	yes	no	data before restoration for some sections

Biological data

biological data origin:

specify project:

from sampling

diverse projects + PhD thesis

organism group addressed:

terrestrial invertebrates (Carabidae), macrophytes, angiosperms (riparian vegetation)

Sample specifications/sample resolution

terrestrial invertebrates:

sample information:

covered timeframe:
year from - to: 2008 - 2014
historical data: no
season: summer
temporal resolution/frequency of sampling:

per year

time series data: yes

taxonomic resolution: *species*

percentage of species level data: 100

comments: *Carabid beetles*

taxonomic coding:

taxalist according to: *Fauna Europaea*

sample specifications: *semi-quantitative*

replicate samples: yes

number of samples: 23

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

Combination of pitfall traps (vegetated zones) and hand sampling (unvegetated zones); pitfall traps (4 cm diameter, 8.5 cm depth, 200 ml volume), filled with 100 ml Renner-solution (Renner 1980) and a detergent to reduce surface tension.

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

6 pitfalls in vegetated zones, 6 handsamplings in unvegetated zones

macrophytes:

sample information:

covered timeframe:
year from - to: 2008 - 2010
historical data: no
palaeo data: no
season: summer
temporal resolution/frequency of sampling:

per year

time series data: yes

taxonomic resolution: *species*

percentage of species level data: 99

comments: *except for Callitriche*

taxonomic coding:

taxalist according to: *Schaumburg et al., 2004*

sample specifications: *semi-quantitative*

replicate samples: no

number of samples: 9

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

WFD method

angiosperms:

sample information:

covered timeframe:

year from - to: 2008 - 2013
historical data: no
season: summer
temporal resolution/frequency of sampling:
per year
comments: *Riparian and floodplain vegetation*
taxonomic resolution: *species, other*
other taxonomic levels: *vegetation units*
percentage of species level data: 100
taxonomic coding:
taxalist according to: *Ellenberg (1996), Oberdorfer (1992)*
sample specifications: *semi-quantitative*
specification of method(s) used for sampling and sorting:
Transect-based grab-sampling: length of vegetation units was measured along 3 transects per site; for each vegetation unit present in a site, coverage of plant species was recorded at three sample plots (2x3m).

Other specifications

GIS layers, shapes related to the dataset:

land use

availability of photos: *yes*

availability of maps: *no*

quality control procedures:

Were any quality control procedures applied to your dataset?

yes