



Metadata

Passive restorations of mid-sized mountain rivers

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General information

name of the dataset:

full name of the dataset: *Passive restorations of mid-sized mountain rivers*

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:
Investigations of restored and degraded sections of the rivers Bröl, Eder, Nims and Orke, Hesse, Germany

science keywords according to [GCMD](#):

topic: *Biosphere*

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

Biota, Inland Waters

Technical and administrative specifications

data format: *Access*

operating system: *Win 7*

data language: *English*

current access level: *internal*

currently available through [GBIF](#): *no*

exchange planned: *no*

update level: *completed*

documentation:

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

no

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: *45414 Essen*

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*

data contributors to/owners of this dataset:

number: *multiple*
number: *2*

provider 1:

provider institute: *IGB - Leibniz-Institute for Freshwater Ecology and Inland Fisheries*
contact name: *Sonja C. Jähnig*
contact email: *sonja.jaehnig@igb-berlin.de*
criteria for using the data in a publication/scientific analysis:
The dataset needs to be requested from dataset creator with specific conditions of use.

provider 2:

provider institute: *Department of Aquatic Ecology, University of Duisburg-Essen*
contact name: *Kathrin Januschke*
contact email: *kathrin.januschke@uni-due.de*
criteria for using the data in a publication/scientific analysis:
The dataset needs to be requested from dataset creator with specific conditions of use.

citation of this dataset:

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *regional*
continents: *Europe*
countries: *Europe: Germany*

Site specifications

coordinate system/grid data: *projected, local others: DHDN_3_Degree_Gauss_Zone_3*
datum (e.g. WGS84): *DHDN*
grid data available: *no*
comments: *Bessel_1841*

other site classification parameters:

Floodplain type (Koenzen, 2005): 6 sites Gefaellereiche Flussaue des Grundgebirges (Schotter), 2 sites Gefaellereiche Flussaue des Deckgebirges (Sand_Kies)

number of sites: *<100*
exact number of sites: *8*

Climate and environmental data

climate related data: *no data available*

environmental data:

available parameters per catchment: *catchment land cover/land use*
CO₂ data source:

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)*
transverse: habitat data

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

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

available parameters per site: *altitude*
GIS data source:

available parameters per site: *current velocity*
transverse: current data using a 5-point scale (100 data points per sample)

available parameters per site: *maximum depth*
transverse: habitat data

available parameters per site: *mean depth*
transverse: habitat data

available parameters per site: *wetted width*
transverse: habitat data

available parameters per site: *substrate composition*
transverse: habitat data

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

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

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

stressors influencing the sites:

reference sites available: *no*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
hydromorphological degradation	yes	no	yes	passive restoration since 2000

comments: *4 passively restored sites and 4 upstream located non-restored sites*

Biological data

biological data origin: *from sampling*
specify project:

organism group addressed: *terrestrial invertebrates (Carabidae), macrophytes, other group(s): riparian vegetation*

Sample specifications/sample resolution

terrestrial invertebrates:

sample information:

covered timeframe:
year from - to: 2005 - 2005
historical data: no
season: summer
temporal resolution/frequency of sampling:

per year

time series data: no

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: no

number of samples: 8

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 - 2008
historical data: no
palaeo data: no
season: summer
temporal resolution/frequency of sampling:

per year

time series data: no

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: 6

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

WFD method (Phylib)

other group(s):

sample information:

covered timeframe:

year from - to: 2005 - 2005
historical data: no
season: summer
temporal resolution/frequency of sampling:
per year
time series data: no
comments: *Riparian and floodplain vegetation*
taxonomic resolution: *species, other*
other taxonomic levels: *vegetation units*
percentage of species level data: 100
comments: *Carabid beetles*
taxonomic coding:
taxalist according to: *Ellenberg (1996)*
sample specifications: *semi-quantitative*
replicate samples: no
number of samples: 8
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:

	<i>no data available</i>
availability of photos:	<i>yes</i>
availability of maps:	<i>no</i>
quality control procedures:	