



Metadata

Restoration measures in rivers of the cap rocks

SUPPORTED BY



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: *Restoration measures in rivers of the cap rocks*

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 Nidder, Nidda, Fulda, Josbach

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: *all Windows systems*

data language: *English*

current access level: *internal*

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

exchange planned:

update level: *update planned*

documentation:

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

media for data delivery: *e-mail*

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:

number: *multiple*
number: *2*

provider 1:

provider institute: *Senckenberg Research Institute and Natural History Museum Frankfurt*
contact name: *Peter Haase*
contact email: *peter.haase@senckenberg.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:
contact name:
contact email:
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: Guernsey*

Site specifications

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

other site classification parameters:
Floodplain type (Koenzen, 2005): Gefaellereiche Flussaue des Deckgebirges (Kies)

number of sites: *<100*
exact number of sites: *16*

Climate and environmental data

climate related data: *no data available*

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)*
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*

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: current data using a 5-point scale (100 data points per sample)

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

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	

comments: *8 restored sites and 8 non-restored sites located upstream*

Biological data

biological data origin: *from sampling*
specify project:

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

Sample specifications/sample resolution

terrestrial invertebrates:

sample information:

covered timeframe:

year from - to: 2008 - 2008

historical data: no

season: summer

temporal resolution/frequency of sampling:

one-time sampling; 2 sites 2008-2009

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: 18

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: 2007 - 2007

historical data: no

palaeo data: no

season: summer

temporal resolution/frequency of sampling:

one-time sampling

time series data: no

taxonomic resolution: *species*

percentage of species level data: 100

taxonomic coding:

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

sample specifications: *semi-quantitative*

replicate samples: no

number of samples: 16

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

WFD method (Phylib)

other group(s):

sample information:

covered timeframe:

year from - to: 2008 - 2008

historical data: *no*
season: *summer*
temporal resolution/frequency of sampling: *one-time sampling*
time series data: *no*
comments: *Riparian vegetation*
taxonomic resolution: *species, other*
other taxonomic levels: *vegetation units*
percentage of species level data: *100*
taxonomic coding:
taxalist according to: *Ellenberg (1996)*
sample specifications: *semi-quantitative*
replicate samples: *no*
number of samples: *16*
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, plant species were recorded at three sample plots (2x3m).

Other specifications

GIS layers, shapes related to the dataset:

no data available

availability of photos: *yes*

availability of maps: *no*

quality control procedures:

Were any quality control procedures applied to your dataset?

yes