



Metadata

Restoration in the river Kinzig

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General information

name of the dataset:

full name of the dataset: *Restoration in the river Kinzig*

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 a restored and a degraded section of the river Kinzig

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*
update level: *update planned*

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: *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:	<i>regional</i>
continents:	<i>Europe</i>
countries:	<i>Europe: Germany</i>

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): Gefaellearme Flussaue des Deckgebirges (Sand-Kies)

number of sites: *<100*

exact number of sites: *2*

comments: *one restored and 1 non-restored site*

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

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

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

available parameters per site: wetted width
~~data source:~~ habitat data

available parameters per site: substrate composition
~~data source:~~ habitat data

available parameters per site: information on instream habitat (incl. information on modification)
~~data source:~~ current data using a 5-point scale (100 data points per sample)

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	

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: 2010 - 2010
historical data: no
season: summer
temporal resolution/frequency of sampling:
one-time sampling
time series data: no
comments: Carabid beetles

taxonomic resolution: species

percentage of species level data: 100

taxonomic coding:

taxalist according to: Fauna Europaea

sample specifications: semi-quantitative

replicate samples: no
number of samples: 2
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:
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: 2
specification of method(s) used for sampling and sorting:
WFD method (Phyllib)

other group(s):

sample information:

covered timeframe:
year from - to: 2010 - 2010

historical 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: *Ellenberg (1996)*
sample specifications: *semi-quantitative*
replicate samples: *no*
number of samples: *2*
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

quality control procedures:

Were any quality control procedures applied to your dataset?

yes