SUPPORTED BY

General information

name of the dataset:

    full name of the dataset: *Restoration Ruhr Altes Feld*

    dataset short name: *Ruhr Altes Feld*

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*
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:	
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*

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:

                                       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*
comments:	*no consistent time series data!*

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): Gefaellereiche Flussaue des Grundgebirges (Schotter)

  exact number of sites: *2*

comments: *one restored (in 2004) and one upstream 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:	*catchment land use upstream of sampling site*
available parameters per site:	*information on riparian vegetation (incl. information on modification)*
	data source: vegetation surveys
available parameters per site:	*information on embankment (incl. information on modification)*
	data source: transect-based habitat data
available parameters per site:	*information on channel form (incl. information on modification)*
	data source: transect-based habitat data
available parameters per site:	*information on cross section (incl. information on modification)*
	data source: transect-based habitat data
available parameters per site:	*altitude*
	data source: GIS
available parameters per site:	*current velocity*
	data source: transect-based current data using a 5-point scale (100 data points per sample)
available parameters per site:	*maximum depth*
	data source: transect-based habitat data
available parameters per site:	*mean depth*
	data source: transect-based habitat data
available parameters per site:	*wetted width*
	data source: transect-based habitat data
available parameters per site:	*substrate composition*
	data source: transect-based habitat data
available parameters per site:	*information on instream habitat (incl. information on modification)*
	data source: transect-based habitat data
comments:	*Catchment data availability will be checked, if necessary*
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	no	

Biological data

biological data origin: *from sampling*
  specify project: *FKZ 3507 85 050-K1 and FK 25032-33/2*

organism group addressed: *terrestrial invertebrates (Carabidae), macrophytes, angiosperms (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
   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: *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 (= one sample)

macrophytes:
sample information:
   covered timeframe:
   year from - to: *2007 - 2007*
   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: *100*
   comments: *except for Callitriche*
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 (Phylib)

angiosperms:
sample information:

covered timeframe:

year from - to:	*2008 - 2009*
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)*

sample specifications:

replicate samples:	*no*
number of samples:	*4*

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