



Metadata

Hase-Aue

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General information

name of the dataset:

full name of the dataset: *Hase-Aue*

type of dataset ([more information](#)): *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data, shape files*

short description of the dataset/summary:

Restoration of the floodplain of small river (Tiefelandfluss) (450 ha, 7 km length) (restoration measures: purchase of land, destruction of embankment (initializing) and flood dikes (sommerdeiche), reconnecting backwaters (old meanders), reconnecting the fossil floodplain with the river, extensive land use in the floodplain; aim: more natural habitat structures)

science keywords according to [GCMD](#):

topic: *Biosphere*

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

Biota

Technical and administrative specifications

data format: *txt*
others/details: *only pdf; BfN-Project, until now no answer*
operating system: *all Windows systems*
data language: *German*
update level: *completed*
documentation:
Do you plan to publish the data on the Freshwater Biodiversity data portal:
contact details:

metadata contact person:

first, last name: *Barbara Stammel*
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technical contact person:

first, last name: *Dominique Remy*
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scientific contact person:

comments: *Institution of submission Meta-Database:
Aueninstitut Neuburg,
Schloss Gruenau,
86633 Neuburg,
Germany*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *remy et Schroepfer*

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:

author(s): *Remy et Schroepfer*

year: *2009*

version (if applicable): *2*

citation of the metadata:

comments: *unpublished BfN-report*

General data specifications

regional coverage of the dataset:

scale of the dataset: *regional*
continents: *Europe*
countries: *Europe: Germany*
comments: *Hase between Haseluenne und Meppen*

Site specifications

coordinate system/grid data:

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

other site classification parameters:

floodplain Type according to Koenzen (2005): Gefaellearme (0,1-0,5 promille) Flussaue des Flach- und Huegellandes, Sandgepraegt,

Climate and environmental data

climate related data:

environmental data:

no parameter data per catchment available

available parameters per site: information on floodplain inundation duration
BfN data report

available parameters per site: information on riparian vegetation (incl. information on modification)
BfN data report

available parameters per site: information on embankment (incl. information on modification)
BfN data report

available parameters per site: information on channel form (incl. information on modification)
BfN data report

available parameters per site: information on cross section (incl. information on modification)
BfN data report

comments: catchment data can probably supplied if necessary

stressors influencing the sites:

reference sites available: no

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
hydromorphological degradation	yes	yes	yes	
general degradation	yes	yes	yes	

Biological data

biological data origin:

specify project:

from sampling

BfN Project 1999 - 2003

organism group addressed:

mammals, amphibians, terrestrial invertebrates, macro-invertebrates (Mollusca), other group(s): riparian vegetation,

comments:

terrestrial invertebrates: carabidae, salidae; saltatoria

Sample specifications/sample resolution

mammals:

sample information:

covered timeframe:

year from - to: 1999 - 2003

time series data: yes

taxonomic resolution:

species

comments: *only the following species: Castor fiber, Ondatra zibethicus; small mammals; Nutria (Myocastor coypus)*

taxonomic coding:

sample specifications: *quantitative (abundance data)*

replicate samples: yes

number of samples: 17

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

*beaver: 48 stretches of 500 m; mapping of biofacts of the beaver in autumn
bisam (Ondatra zibethicus): 24 stretches of 500 m (river between km 18
and 30) in late summer/early autumn*

Nutria (Myocastor coypus): during the observations for beaver and bisam

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

*small mammals: 17 sites; traps: Longworth Livetraps for 4 nights in late
summer; 2 traps at one plot; at least 10 m distance between plots; number
of plots in relation site size*

amphibians:

sample information:

covered timeframe:

year from - to: 1999 - 2003

historical data: no

season: *spring, summer*

time series data: yes

taxonomic resolution:

taxonomic coding:

sample specifications: *quantitative (abundance data), semi-quantitative*

replicate samples: no

number of samples: 52

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

*site proof at least three times a year; Caudatae: by bow net;
semi-quantitative*

site number (1999: 27, 2000: 29, 2001: 29, 2002: 48, 2003: 52)

terrestrial invertebrates:

sample information:

covered timeframe:

year from - to: 1999 - 2003

historical data: no

season: *spring, summer, autumn*

temporal resolution/frequency of sampling:

every two weeks from April to November each year

time series data: yes

comments: *saltatoria see method section;*

taxonomic resolution: *species*
 comments: *carabidae, saldidae; saltatoria*

taxonomic coding:
 taxalist according to: *FREUDE (1976), LOMPE (1989a) and ASSMANN et al. (1998); KOCH (1984);*
 coding system: *Saldidae: STICHEL (1955) and WAGNER (1966)*
 example: *Gastropoden: KERNEY et al. (1983) and BOGON (1990).*

sample specifications: *quantitative (abundance data)*
 number of samples: 16
 specification of method(s) used for sampling and sorting:
*carabidae and salidae: barber pitches (diameter 9,5cm); in line (10 m distance), in sites with frequent flooding events:
 "Biocoenometeri ½-methode (quadrat-method) according to Mi ½ HLENBERG (1993) and KREBS (1999): size 0,25 m2; monthly from April to September; additional Exhaustor ("Handfaenge"); 16 sites;*
 sample type (e.g. habitat specific samples, composite samples etc.):
Saltatoria: 34 sites (2002 only 28 sites); qualitativ; Tetrigidae: May to June; others: mid of July to End of September (at least 20i ½ C, no wind); opical or accustic proof, by man or by instruments (Mini i ½ 3 Bat Detector; unidirectional microphone PR 2 plus (van Laar), Digital Recorder MZ i ½ R 900 (Sony)) or by ditch net; abundance not cumulating

macro-invertebrates:**sample information:**

covered timeframe:

year from - to: 1999 - 2003

temporal resolution/frequency of sampling:

per month

comments:

*combination of riparian/terrestrial and limnic mollusca***taxonomic resolution:***species*

comments:

*Mollusca***taxonomic coding:**

taxalist according to:

*ZEISSLER (1971), GITTENBERGER et al.(1998), GLOEER & MEIER-BROOK (1998)***sample specifications:***quantitative (abundance data)*

replicate samples:

yes

number of samples:

16

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

"Bodengreifer" according to SCHWOERBEL (1994: Van Veen-Bodengreifer (2 l); 4 times 20 x 13 cm2 = 0,1 m2 soil; 3-5 times per plot; monthly from April to september

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

*additional terrestrial mollusca: Molluscas: "Biocoenometeri ½-methode (quadrat-method) according to Mi ½ HLENBERG (1993) and KREBS (1999): size 0,25 m2; monthly from April to September; combined with liminic mollusca: "Bodengreifer" according to SCHWOERBEL (1994: Van Veen-Bodengreifer (2 l); 4 times 20 x 13 cm2 = 0,1 m2 soil; 3-5 times per plot; monthly from April to september; additional catches with a dip net (diameter 35 cm)*other group(s):

sample information:

covered timeframe:
year from - to: 1999 - 2003
historical data: *no*
season: *summer*
temporal resolution/frequency of sampling:

per year

time series data: *yes*

taxonomic resolution:

species

comments: *riparian vegetation*

taxonomic coding:

taxalist according to: *OBERDORFER (2001), WEBER (1995)*

sample specifications:

quantitative (abundance data)

number of samples: *7*

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

*vegetation mapping 199 and 2003 (relevés according to
BRAUN-BLANQUET (1964) and BARKMAN et al. (1964))
permanent plots 1999 (three times), 2001, 2002, according to
BRAUN-BLANQUET (1964) and BARKMAN et al. (1964); 7 sites (only 2 in
the report)*

Other specifications

GIS layers, shapes related to the dataset:

others (specify):	<i>others/specify</i>
availability of photos:	<i>vegetation types (according to Dierschke 1994)</i>
availability of maps:	<i>yes</i>
quality control procedures:	<i>yes</i>