

1 The raw data: an overview

Table 1 gives an overview of the original data provided by the different river authorities. The numbers within the boxes give the years of the beginning and the end of the available time series for the specific parameter.

Tab. 1a: *List of parameters aggregated for each river*

River	DIS	TN	KjN	NO3	NO2	N23	NH4	TP	PO4	SiO4	Cl
Elbe	77-23	78-23		77-23	90-23		77-23	78-23	77-23	88-23	77-23
Weser	77-23	80-23		77-23	90-05 07-23		77-23	77-23	81-23	93-94	90-23
Ems	77-23	80-23		77-23	90-09 11-23		77-23	77-23	81-23	89-94 20-21 23	90-23
Kornwederzand	77-23										
Den Oever	77-23										
Vrouwenzand		77-23	77-21	10-23	99-03 10-23	77-23	77-94 98-23	77-23	77-23	77-94 99-23	77-23
NZ Kanaal	77-21 23	77-23	77-21	10-23	99-03 10-23	77-23	77-94 98-23	77-23	77-23	79-94 99-23	90-94 98-23
N. Waterweg	77-23	77-23	77-21	10-23	99-03 10-23	77-23	77-23	77-23	77-23	77-94 99-23	90-23
Haringvliet	77-23	77-23	77-21	10-23	99-03 10-23	77-23	77-94 98-23	77-23	77-23	77-94 99-23	90-94 98-23
Scheldt	77-23	77-23	77-21	10-23	99-03 10-23	77-23	77-94 98-23	77-23	77-23	77-94 99-23	90-94 98-23

The abbreviations and the units for the parameters are:

DIS	discharge	$[m^3/s]$
TN	Total nitrogen	$[mg/l]$
KjN	Kjeldahl nitrogen	$[mg/l]$
NO2	Nitrite	$[mg/l]$
NO3	Nitrate	$[mg/l]$
N23	Nitrite + Nitrate (NO_2 plus NO_3)	$[mg/l]$
NH4	Ammonium	$[mg/l]$
TP	Total phosphorus	$[mg/l]$
PO4	Orthophosphate	$[mg/l]$
SiO4	Silicate	$[mg/l]$
Cl	Chloride	$[mg/l]$