Internationally Coordinated Management Plan 2015 for the International River Basin District of the Rhine

(Part A = Overriding Part)
December 2015

Maps

IKSR
CIPR
ICBR

Internationale Kommission zum Schutz des Rheins

Commission Internationale pour la Protection du Rhin

Internationale Commissie ter Bescherming van de Rijn

International Rhine River Basin District
Report Part A
K1 Topography and Soil Cover

Corine Land Cover 2006

Soil cover

- High density residential areas
- Low density residential areas
- Open area
- Farmland
- Permanent crop
- Grassland
- Deciduous and mixed forest
- Coniferous forest
- Wetlands
- open waters
- Sea

- Rhine river basin district
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- State frontiers
- Borders of federal states
- Limit 1-mile-zone

N

Noordzee

NL

W (BE)

LU

DE

FR

CH

FL

AT

IT

IJsselmeer

Amsterdam

Den Haag

Rotterdam

Nederrijn/Lek

IJssel

Vechte

Waal

Lippe

Duisburg

Essen

Dortmund

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Wiesbaden

Frankfurt a. M.

Fränkische Saale

Sauer

Luxembourg

Moselle

Nahe

Mainz

Main

Regnitz

Saar

Saarbrücken

Metz

Neckar

Stuttgart

Strasbourg

Meurthe

Ill

Basel

Bodensee

Zürich

Bregenz

Aare

Alpenrhein

Vaduz

Vorderrhein

Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

Implementation

bfg Bundesanstalt für Gewässerkunde

Data sources

- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

WasserBLICK

State :
17 December 2015

International Rhine River Basin District
Report Part A
K 2 Areas of operation

Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns

Areas of operation

Alpine Rhine/Lake Constance
High Rhine
Upper Rhine
Neckar
Main
Middle Rhine
Moselle/Saar
Lower Rhine
Delta Rhine

Noordzee
NL
W (BE)
LU
DE
FR
CH
FL
AT
IT

IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJ ssel
Vechte
Waal
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Bonn
Rhein
Koblenz
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Metz
Moselle
Iffezheim
Stuttgart
Strasbourg
Sarre
Meurthe
Ill
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Aare
Bern
Vaduz
Vorderrhein
Hinterrhein

1 cm = 23 km (A3)
0 12,5 25 50 km

Coordination Committee Rhine

Implementation

Bundesanstalt für Gewässerkunde

Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

Wasser BLICK

State:
17 December 2015

International Rhine River Basin District Report Part A

K 3 Surface waters Location and Limits of Water Bodies

- Limits of the water bodies main stream
- Limits of the water bodies tributaries
- *Limits of the water bodies of lakes, coastal and transitional waters*
- Rhine river basin district
- Coastal waters
- Transitional water
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

Noordzee

NL

DE

W (BE)

LU

FR

CH

FL

AT

IT

IJsselmeer

Amsterdam

Den Haag

Rotterdam

Nederrijn/Lek

IJssel

Vechte

Waal

Lippe

Duisburg

Essen

Dortmund

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Frankfurt a. M.

Wiesbaden

Fränkische Saale

Sauer

Mosel

Mainz

Nahe

Main

Regnitz

Luxembourg

Saar

Saarbrücken

Neckar

Metz

Moselle

Stuttgart

Sarre

Strasbourg

Meurthe

Ill

Rhein

Basel

Zürich

Bodensee

Bregenz

Alpenrhein

Vaduz

Aare

Vorderrhein

Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

Implementation

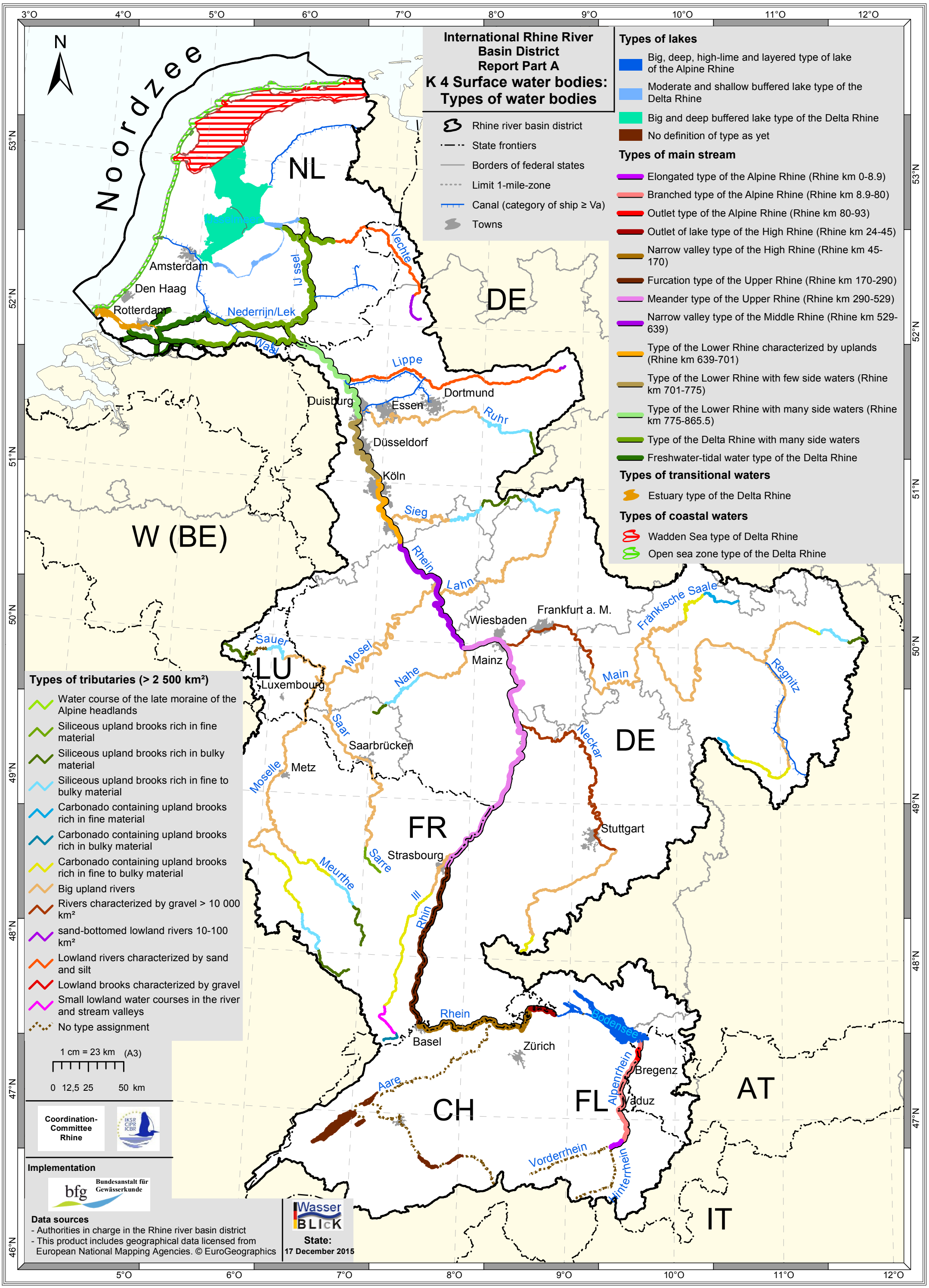
bfg Bundesanstalt für Gewässerkunde

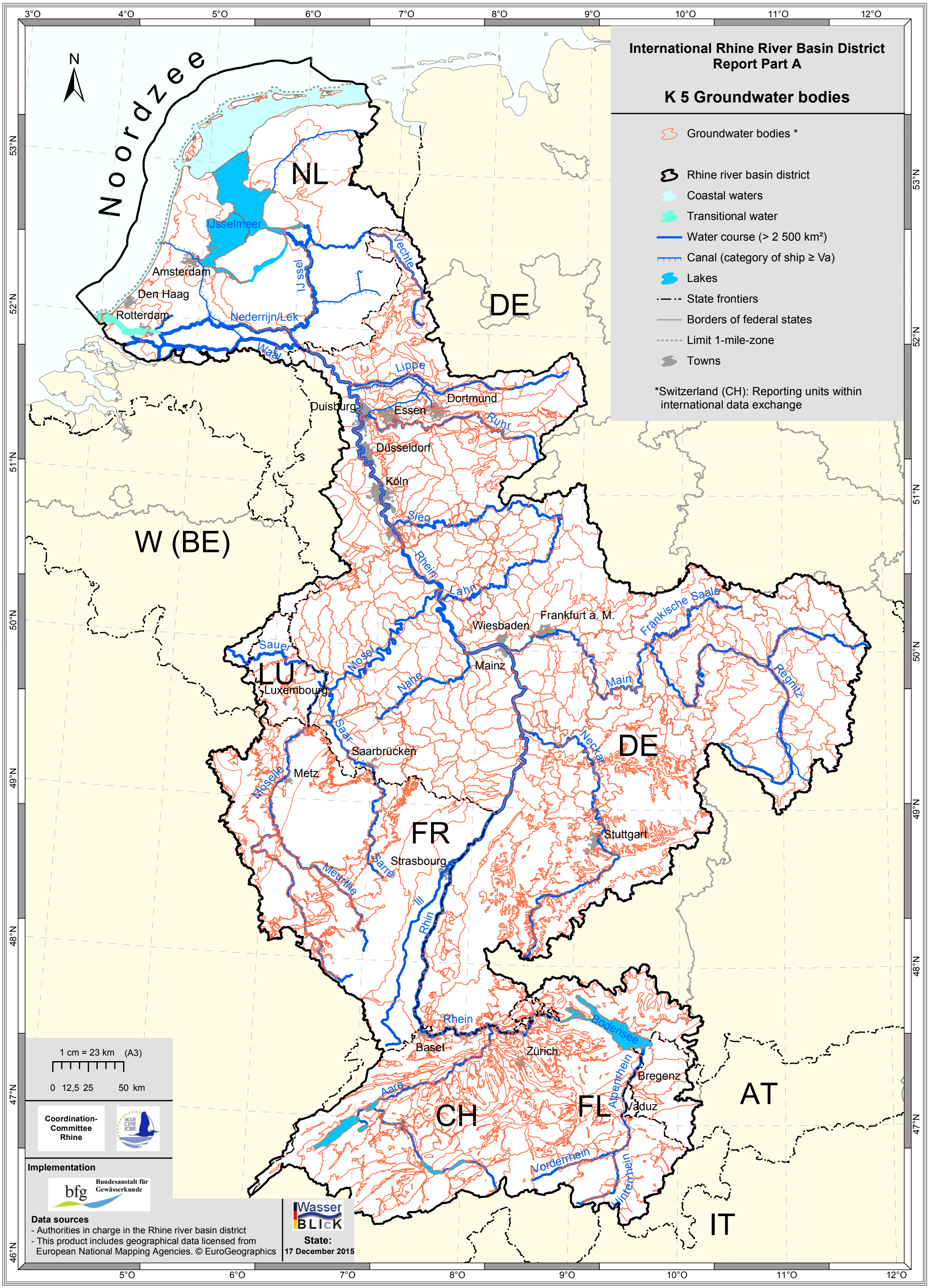
Data sources

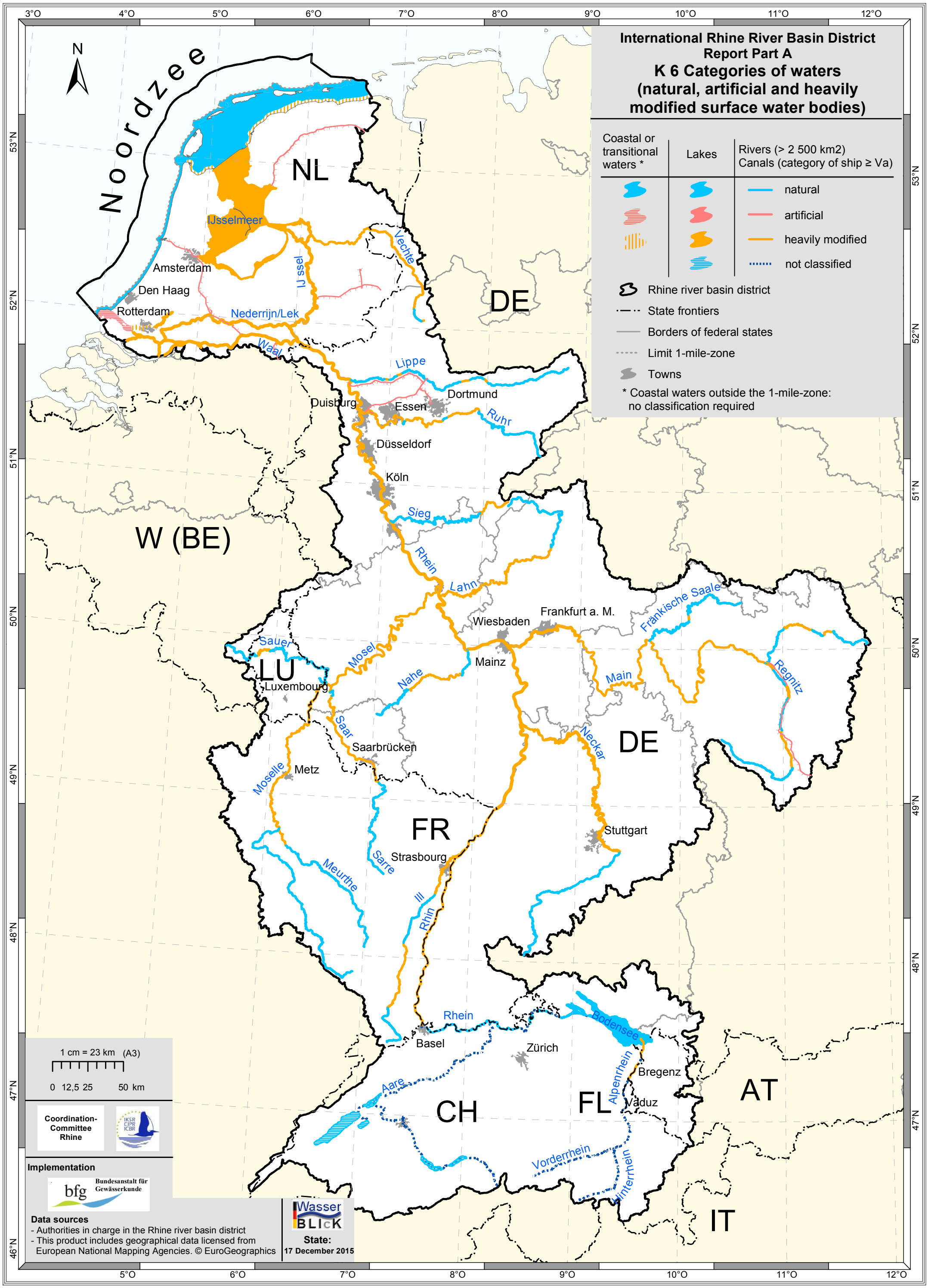
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

WasserBLICK

State: 17 December 2015


International Rhine River Basin District
Report Part A
K 4 Surface water bodies: Types of water bodies
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Canal (category of ship ≥ Va)
Towns
Types of lakes
Big, deep, high-lime and layered type of lake of the Alpine Rhine
Moderate and shallow buffered lake type of the Delta Rhine
Big and deep buffered lake type of the Delta Rhine
No definition of type as yet
Types of main stream
Elongated type of the Alpine Rhine (Rhine km 0-8.9)
Branched type of the Alpine Rhine (Rhine km 8.9-80)
Outlet type of the Alpine Rhine (Rhine km 80-93)
Outlet of lake type of the High Rhine (Rhine km 24-45)
Narrow valley type of the High Rhine (Rhine km 45-170)
Furcation type of the Upper Rhine (Rhine km 170-290)
Meander type of the Upper Rhine (Rhine km 290-529)
Narrow valley type of the Middle Rhine (Rhine km 529-639)
Type of the Lower Rhine characterized by uplands (Rhine km 639-701)
Type of the Lower Rhine with few side waters (Rhine km 701-775)
Type of the Lower Rhine with many side waters (Rhine km 775-865.5)
Type of the Delta Rhine with many side waters
Freshwater-tidal water type of the Delta Rhine
Types of transitional waters
Estuary type of the Delta Rhine
Types of coastal waters
Wadden Sea type of Delta Rhine
Open sea zone type of the Delta Rhine
Types of tributaries (> 2 500 km²)
Water course of the late moraine of the Alpine headlands
Siliceous upland brooks rich in fine material
Siliceous upland brooks rich in bulky material
Siliceous upland brooks rich in fine to bulky material
Carbonado containing upland brooks rich in fine material
Carbonado containing upland brooks rich in bulky material
Carbonado containing upland brooks rich in fine to bulky material
Big upland rivers
Rivers characterized by gravel > 10 000 km²
sand-bottomed lowland rivers 10-100 km²
Lowland rivers characterized by sand and silt
Lowland brooks characterized by gravel
Small lowland water courses in the river and stream valleys
No type assignment
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJsselmeer
IJssel
Vechte
Waal
Lippe
Dortmund
Essen
Duisburg
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhin
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein


International Rhine River Basin District
Report Part A
K 5 Groundwater bodies
Groundwater bodies *
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
*Switzerland (CH): Reporting units within international data exchange
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJssel
Vechte
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Metz
Moselle
Stuttgart
Strasbourg
Sarre
Meurthe
Ill
Rhein
Bodensee
Basel
Zürich
Bregenz
Alpenrhein
Aare
Vaduz
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 6 Categories of waters
(natural, artificial and heavily modified surface water bodies)
Coastal or transitional waters *
Lakes
Rivers (> 2 500 km2)
Canals (category of ship ≥ Va)
natural
artificial
heavily modified
not classified
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Coastal waters outside the 1-mile-zone: no classification required
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
IJ ssel
Vechte
Nederrijn/Lek
Waal
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhin
Rhein
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015

International Rhine River Basin District Report Part A

K 7 Large transverse structures: upstream migration : Drop ≥ 2 m

- Rhine river basin district
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

Transverse structure with upstream fish passage structure

- passable
- Limited passability
- impassable
- No information on passability

Transverse structures without upstream fish passage structure

- passable
- Limited passability
- impassable
- No information on passability

Evaluation of free upstream migration for :

- Atlantic salmon and sea trout
- Lake Constance lake trout
- Program waters

Noordzee

Lake Ijssel-Closure dike: important access from the Wadden Sea to the Rhine system

Haringvliet sluices: important access to the systems of Meuse and Rhine

NL DE LU FR CH FL AT IT

Amsterdam, Den Haag, Rotterdam, Ijsselmeer, Nederrijn/Lek, Waal, Ijssel, Vechte, Lippe, Dortmund, Duisburg, Essen, Ruhr, Düsseldorf, Köln, Sieg, Rhein, Lahn, Wiesbaden, Frankfurt a. M., Fränkische Saale, Mainz, Main, Regnitz, Saue, Mosel, Nahe, Luxembourg, Saar, Saarbrücken, Neckar, Metz, Moselle, Stuttgart, Meurthe, Sarre, Strasbourg, Ill, Basel, Zürich, Bodensee, Alpenrhein, Bregenz, Vaduz, Aare, Vorderrhein, Hinterrhein

Strasbourg, Agricultural weir Kehl, Gerstheim, ILL, Rhinau, Rhin, Marckolsheim, Vogelgrun, Agricultural weir Breisach, Grand Canal d'Alsace, Old Rhine, Kembs, Basel

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

Implementation

bfg Bundesanstalt für Gewässerkunde

Data sources

- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

Wasser BLICK

State: 17 December 2015

International Rhine River Basin District Report Part A

K 8 Large transverse structures: downstream migration Drop ≥ 2 m

- Rhine river basin district
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

Transverse structure with downstream fish passage structure

- Without hydropower plant – no mortality caused by turbine passage
- Mortality < 10 %
- 10-60 % mortality
- 60-100 % mortality
- No information on mortality
- Measures for catching and transporting eels

Transverse structure without downstream fish passage structure

- Without hydropower plant – no mortality caused by turbine passage
- Mortality < 10 %
- 10-60 % mortality
- 60-100 % mortality
- No information on mortality

Evaluation of free downstream migration

- Eel
- Lake Constance lake trout

Lake Ijssel-Closure dike: important access from the Wadden Sea to the Rhine system

Haringvliet sluices: important access to the systems of Meuse and Rhine

Noordzee

NL

DE

LU

FR

CH

FL

AT

IT

IJsselmeer

Amsterdam

Den Haag

Rotterdam

Nederrijn/Lek

Waal

IJssel

Vechte

Lippe

Dortmund

Duisburg

Essen

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Wiesbaden

Frankfurt a. M.

Fränkische Saale

Sauer

Mosel

Mainz

Nahe

Main

Regnitz

Luxembourg

Saar

Saarbrücken

Neckar

Metz

Moselle

Stuttgart

Strasbourg

Sarre

Meurthe

Ill

Basel

Zürich

Bodensee

Bregenz

Alpenrhein

Vaduz

Aare

Vorderrhein

Hinterrhein

Strasbourg

Agricultural weir Kehl

Gerstheim

ILL

Rhinau

Rhin

Marckolsheim

Agricultural weir Breisach

Vogelgrun

Grand Canal d'Alsace

Old Rhine

Kembs

Basel

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

Implementation

bfg Bundesanstalt für Gewässerkunde

Data sources

- Zuständige Behörden in der internationalen Flussgebietseinheit Rhine
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

Wasser BLICK

State: 17 December 2015

International Rhine River Basin District Report Part A

K 9 Abstraction of water for human consumption

- Potable water protection area * (including protection areas for mineral springs)
- Groundwater bodies for water abstraction for human consumption (NL)
- Locations for drinking water abstraction (W(BE))
- Rhine river basin district
- Coastal waters
- Transitional water
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* planned or identified areas; Switzerland (CH): corresponding areas according to national legislation

N

Noordzee

NL

DE

W (BE)

LU

FR

CH

FL

AT

IT

IJsselmeer

Amsterdam

Den Haag

Rotterdam

Nederrijn/Lek

Waal

IJssel

Vechte

Lippe

Dortmund

Duisburg

Essen

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Wiesbaden

Frankfurt a. M.

Fränkische Saale

Sauer

Mosel

Mainz

Nahe

Main

Regnitz

Luxembourg

Saar

Saarbrücken

Neckar

Metz

Moselle

Stuttgart

Strasbourg

Sarre

Meurthe

Ill

Rhein

Bodensee

Basel

Zürich

Bregenz

Alpenrhein

Aare

Vaduz

Vorderrhein

Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

Implementation

bfg Bundesanstalt für Gewässerkunde

Data sources

- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

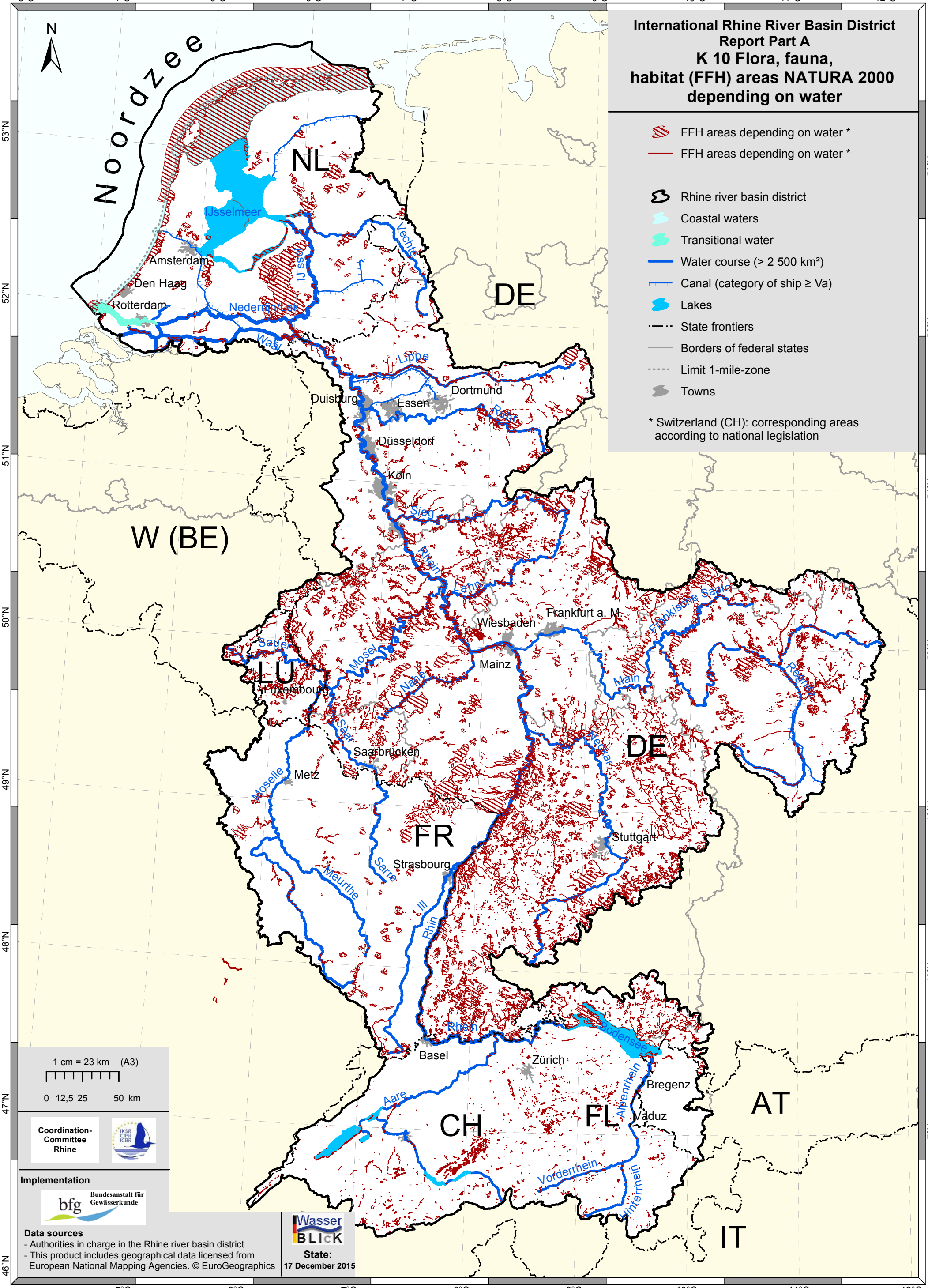
Wasser BLICK

State: 17 December 2015

International Rhine River Basin District Report Part A
K 10 Flora, fauna, habitat (FFH) areas NATURA 2000 depending on water

- FFH areas depending on water *
- FFH areas depending on water *
- Rhine river basin district
- Coastal waters
- Transitional water
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* Switzerland (CH): corresponding areas according to national legislation



1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

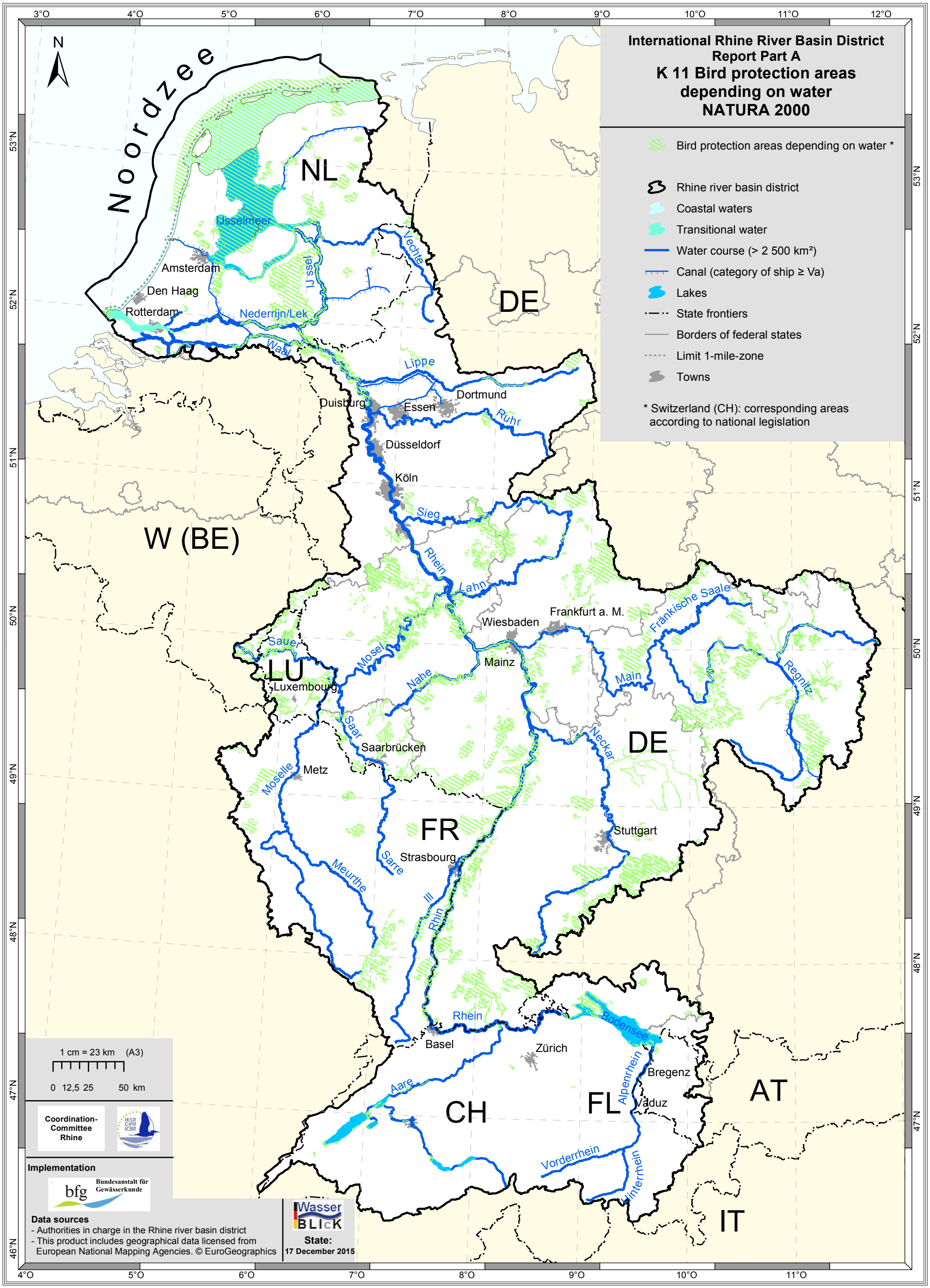
Implementation

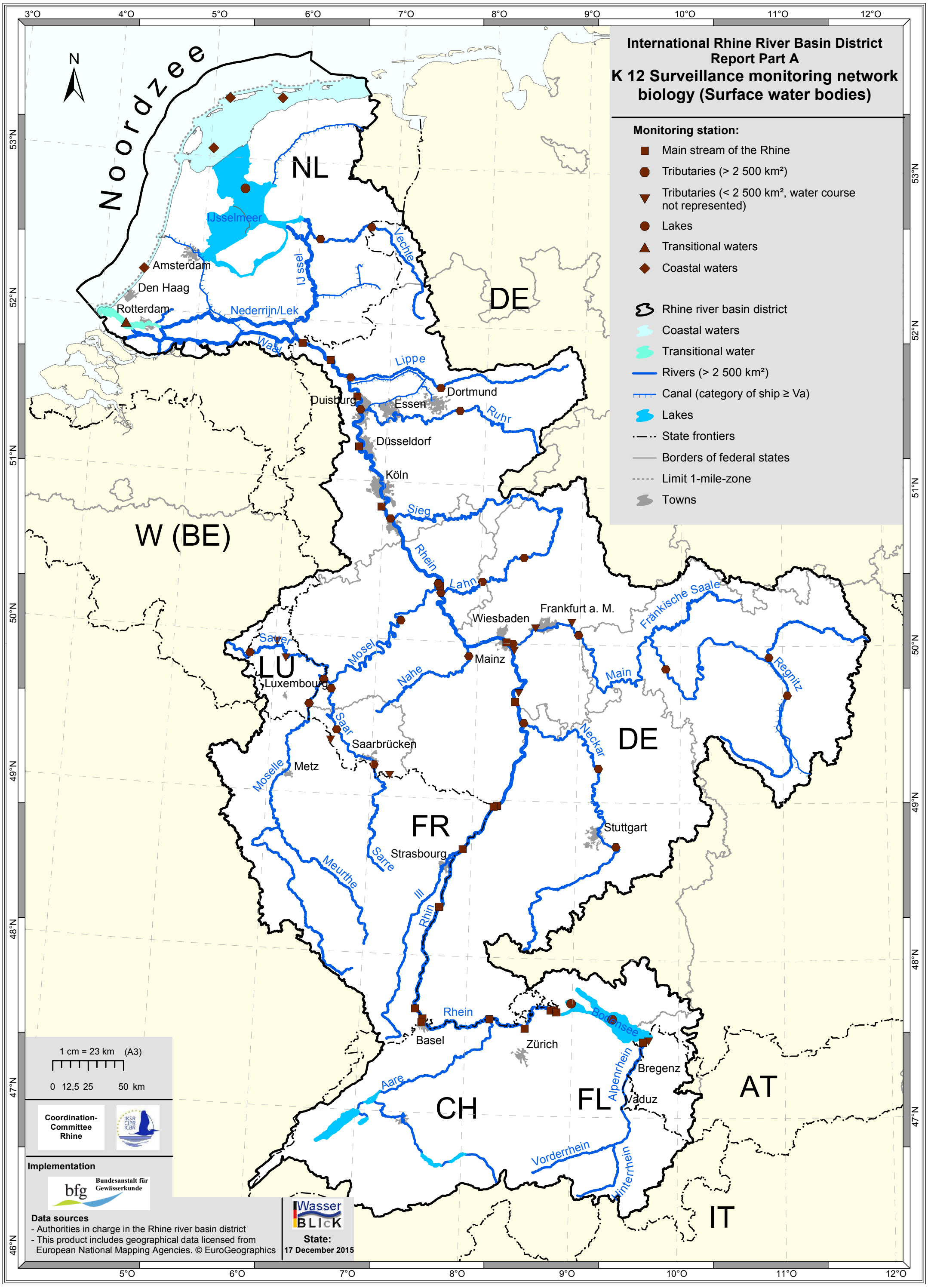
bfg Bundesanstalt für Gewässerkunde

Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

Wasser BLICK

State:
17 December 2015


International Rhine River Basin District
Report Part A
K 11 Bird protection areas depending on water
NATURA 2000
Bird protection areas depending on water *
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Switzerland (CH): corresponding areas according to national legislation
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJssel
Vechte
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Metz
Moselle
Stuttgart
Strasbourg
Sarre
Meurthe
Ill
Rhein
Basel
Bodensee
Zürich
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 12 Surveillance monitoring network biology (Surface water bodies)
Monitoring station:
Main stream of the Rhine
Tributaries (> 2 500 km²)
Tributaries (< 2 500 km², water course not represented)
Lakes
Transitional waters
Coastal waters
Rhine river basin district
Coastal waters
Transitional water
Rivers (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJ ssel
Vechte
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhein
Basel
Zürich
Bodensee
Bregenz
Alpenrhein
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015

International Rhine River Basin District
Report Part A
K 13 Phytoplankton

Ecological status *
- high
- good
- moderate
- poor
- bad
- not classified

Ecological potential *
- good and above
- moderate
- poor
- bad
- not classified

- Rhine river basin district
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* Coastal waters outside 1-mile-zone and water courses: no classification required. Moselle and Sure (border LU/DE-RP): classifications of DE-RP. In DE, even in heavily modified water bodies the ecological status and not the potential is determined for phytoplankton.

Noordzee
N
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJssel
Vechte
Waal
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Luxembourg
Nahe
Mainz
Main
Regnitz
Saar
Saarbrücken
Moselle
Metz
Neckar
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhein
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

Implementation

bfg Bundesanstalt für Gewässerkunde

Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

Wasser BLICK

State:
17 December 2015

International Rhine River Basin District Report Part A

K 14 Phytobenthos / macrophytes (including sea weed and common salt marsh grass)

Ecological status *

- high
- good
- moderate
- poor
- bad
- not classified

Ecological potential *

- good and above
- moderate
- poor
- bad
- not classified

- Rhine river basin district
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* Coastal waters outside 1-mile-zone and water courses: no classification required. Moselle and Sure (border LU/DE-RP): classification of DE-RP. In DE, even in heavily modified water bodies the ecological status and not the potential is determined for phytobenthos/macrophytes.

Noordzee

NL

DE

W (BE)

LU

FR

CH

FL

AT

IT

Ijsselmeer

Amsterdam

Den Haag

Rotterdam

Nederrijn/Lek

Ijssel

Vechte

Waal

Lippe

Duisburg

Essen

Dortmund

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Wiesbaden

Frankfurt a. M.

Fränkische Saale

Sauer

Mosel

Mainz

Nahe

Main

Regnitz

Luxembourg

Saar

Saarbrücken

Neckar

Moselle

Metz

Stuttgart

Sarre

Strasbourg

Meurthe

Ill

Rhein

Rhein

Basel

Zürich

Bodensee

Alpenrhein

Bregenz

Vaduz

Aare

Vorderrhein

Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

Implementation

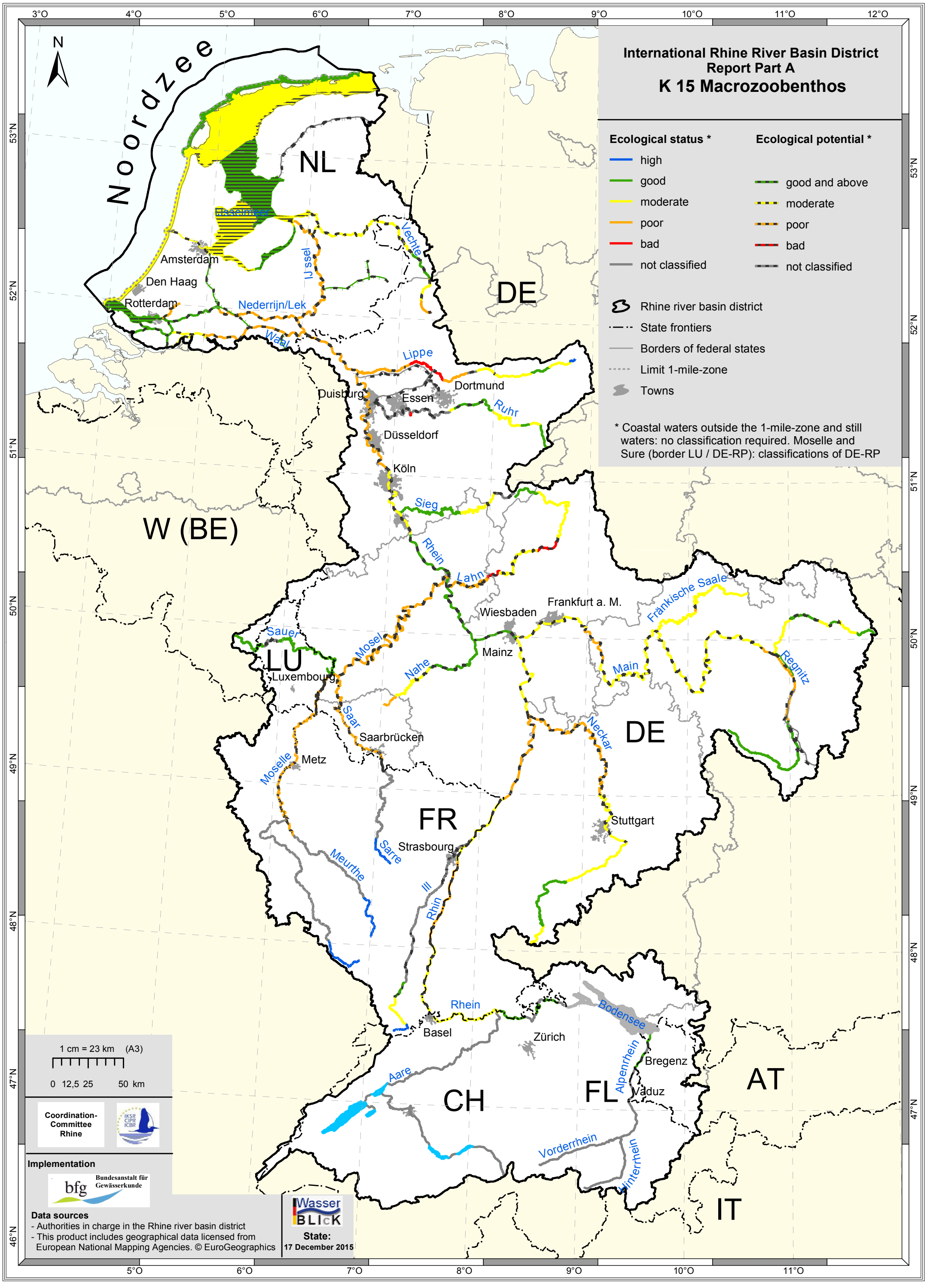
bfg Bundesanstalt für Gewässerkunde

Data sources

- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

WasserBLICK

State:
17 December 2015


International Rhine River Basin District
Report Part A
K 15 Macrozoobenthos
Ecological status *
high
good
moderate
poor
bad
not classified
Ecological potential *
good and above
moderate
poor
bad
not classified
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Coastal waters outside the 1-mile-zone and still waters: no classification required. Moselle and Sure (border LU / DE-RP): classifications of DE-RP
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJsselmeer
IJssel
Vechte
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhein
Rhein
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
bfg Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
WasserBLICK
State:
17 December 2015

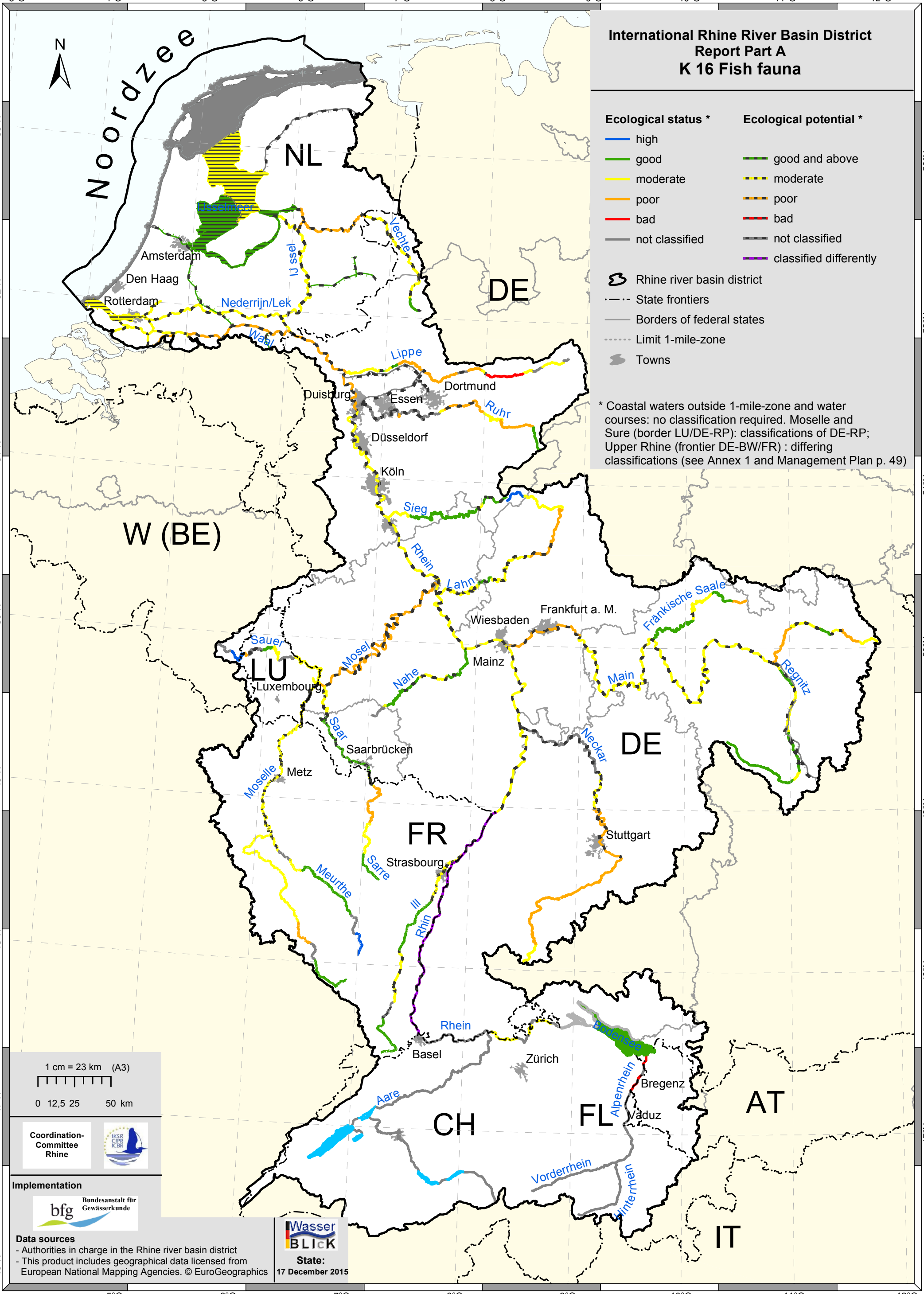
International Rhine River Basin District
Report Part A
K 16 Fish fauna

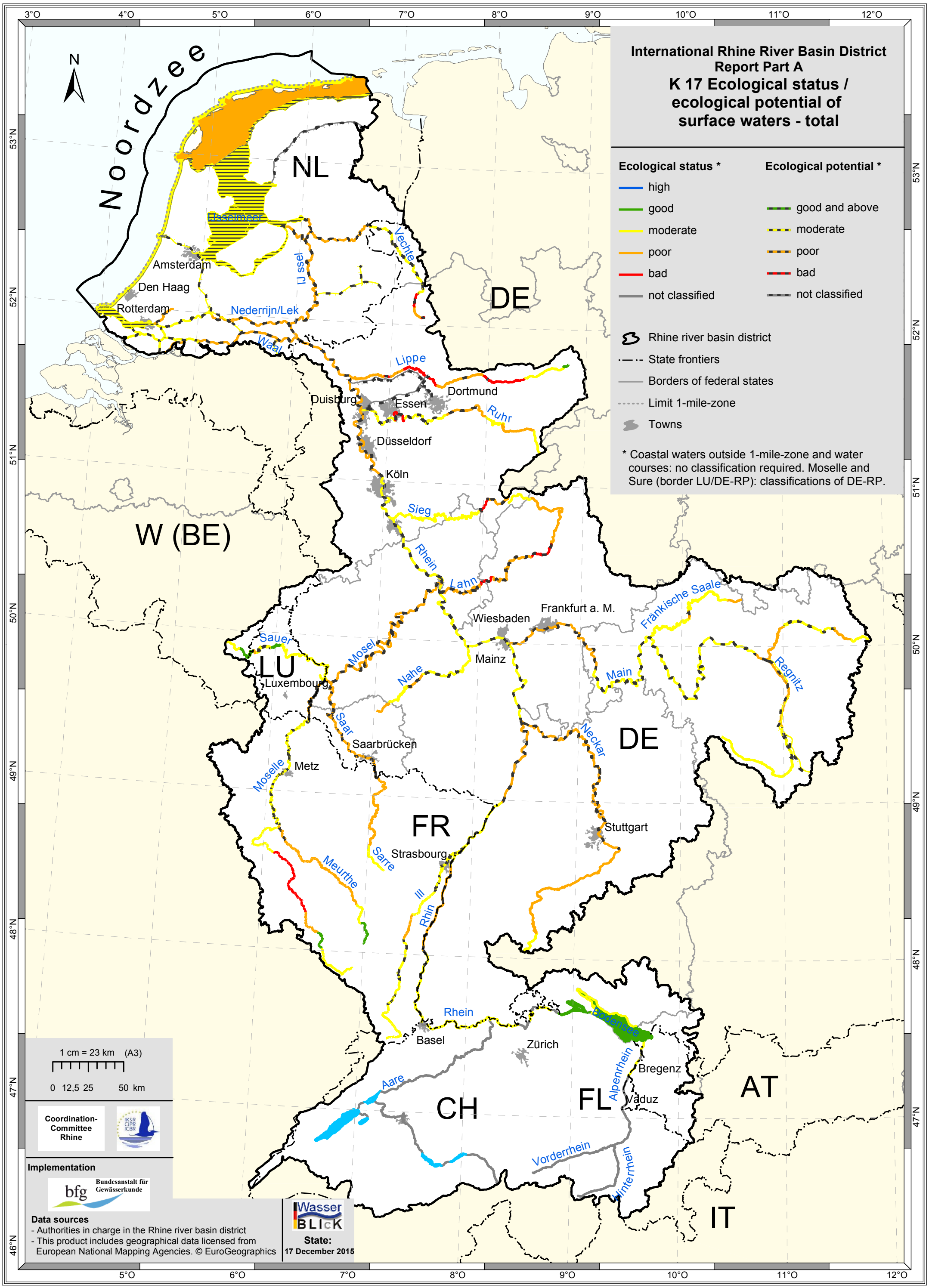
Ecological status *
- high
- good
- moderate
- poor
- bad
- not classified

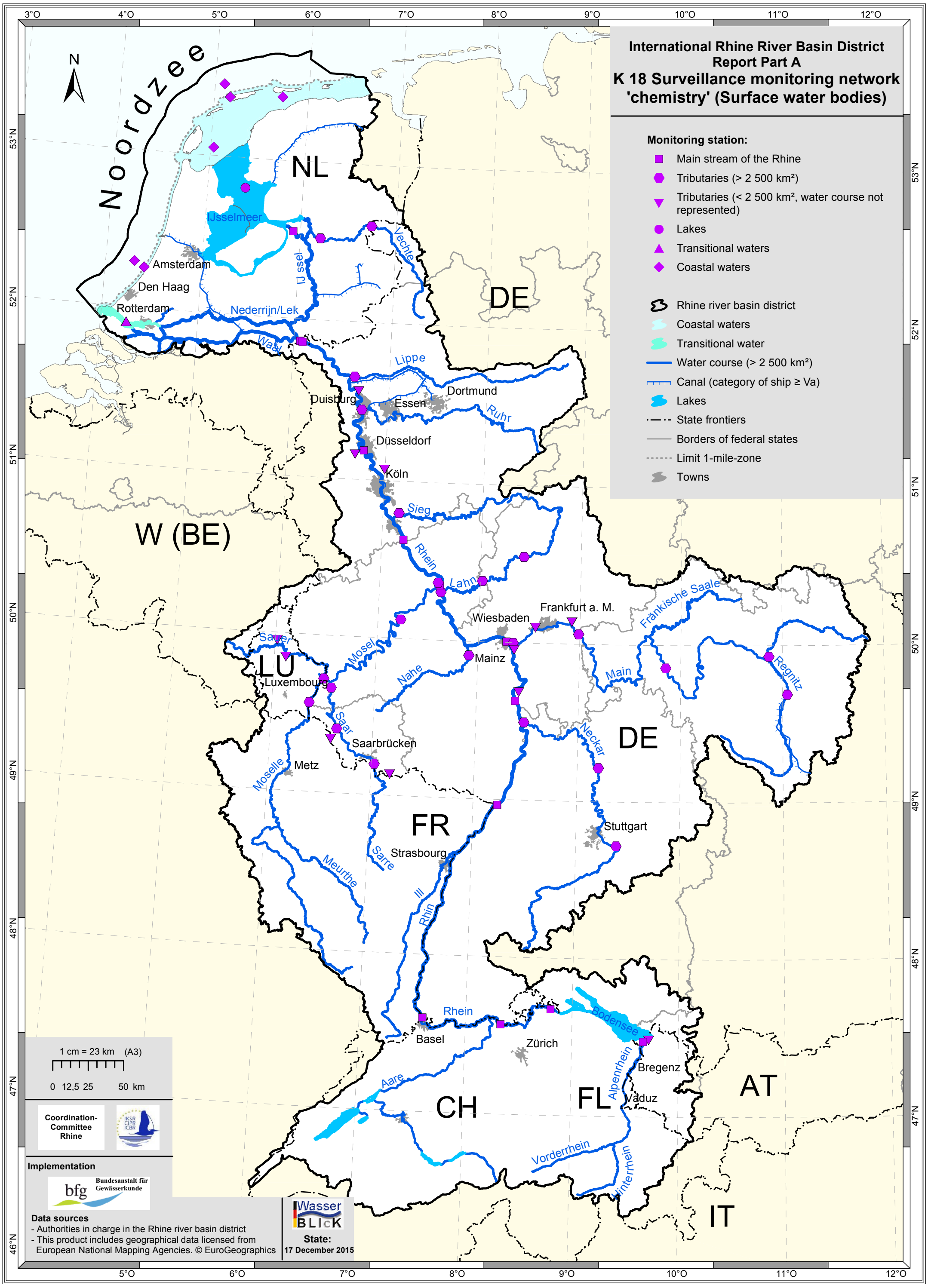
Ecological potential *
- good and above
- moderate
- poor
- bad
- not classified
- classified differently

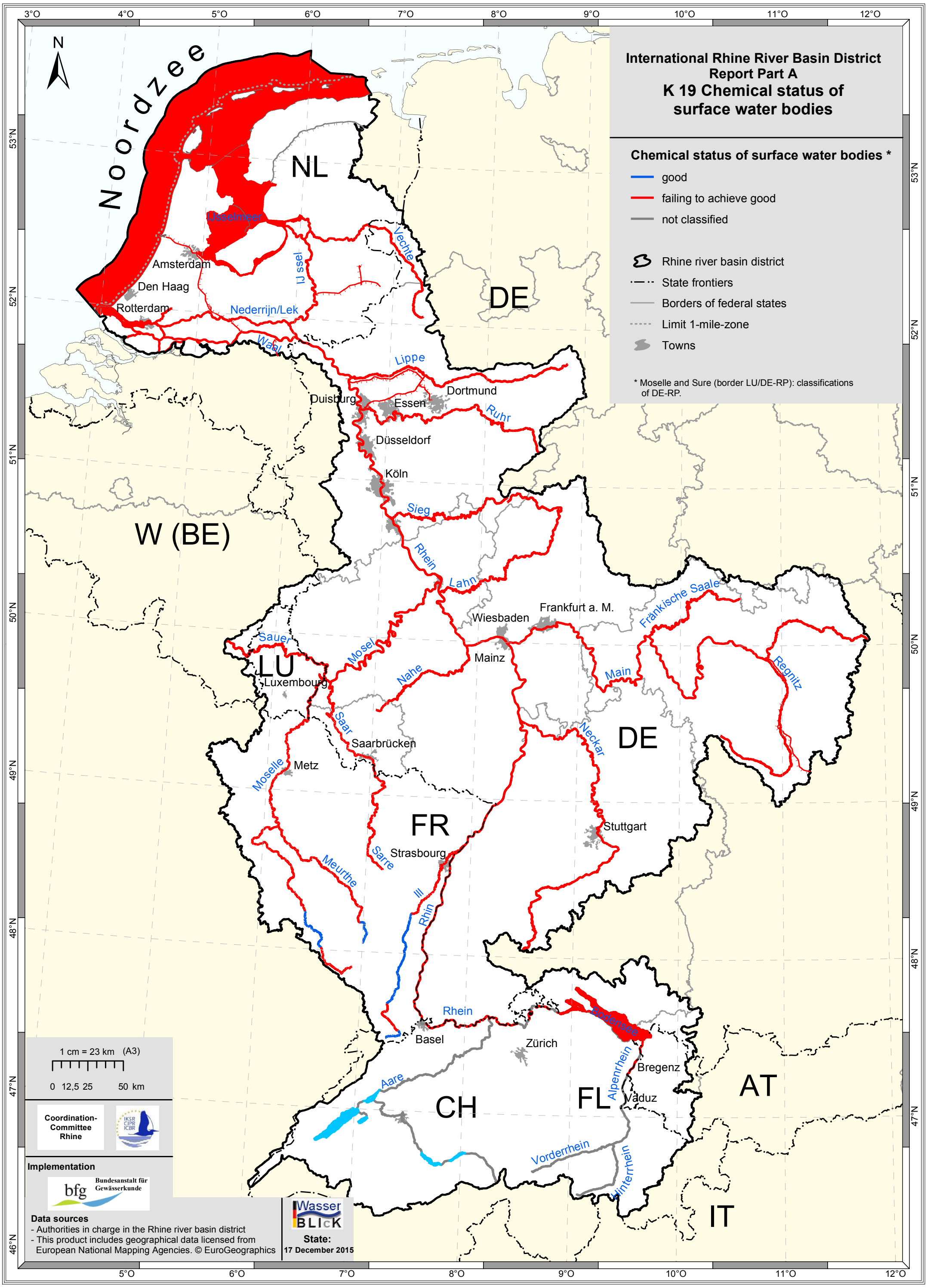
- Rhine river basin district
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

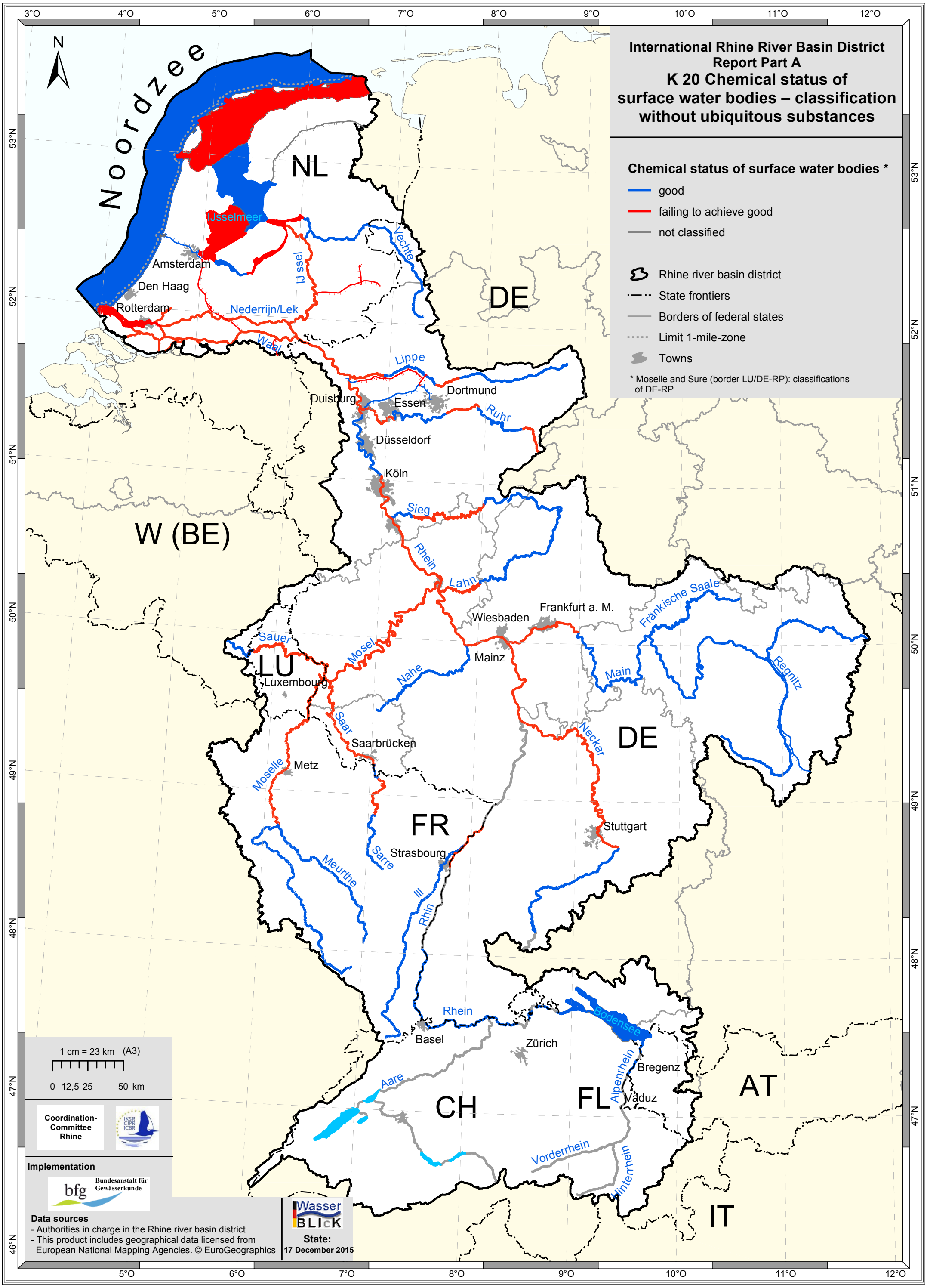
* Coastal waters outside 1-mile-zone and water courses: no classification required. Moselle and Sure (border LU/DE-RP): classifications of DE-RP; Upper Rhine (frontier DE-BW/FR) : differing classifications (see Annex 1 and Management Plan p. 49)




International Rhine River Basin District
Report Part A
K 17 Ecological status / ecological potential of surface waters - total
Ecological status *
high
good
moderate
poor
bad
not classified
Ecological potential *
good and above
moderate
poor
bad
not classified
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Coastal waters outside 1-mile-zone and water courses: no classification required. Moselle and Sure (border LU/DE-RP): classifications of DE-RP.
Noordzee
N
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
Ijsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJssel
Vechte
Lippe
Dortmund
Ruhr
Duisburg
Essen
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Meurthe
Sarre
Strasbourg
Ill
Rhin
Rhein
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 18 Surveillance monitoring network
'chemistry' (Surface water bodies)
Monitoring station:
Main stream of the Rhine
Tributaries (> 2 500 km²)
Tributaries (< 2 500 km², water course not represented)
Lakes
Transitional waters
Coastal waters
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJ ssel
Vechte
Waal
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhin
Rhein
Basel
Zürich
Bodensee
Bregenz
Alpenrhein
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 19 Chemical status of surface water bodies
Chemical status of surface water bodies *
good
failing to achieve good
not classified
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Moselle and Sure (border LU/DE-RP): classifications of DE-RP.
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJssel
Vechte
Waal
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Meurthe
Sarre
Strasbourg
Ill
Rhin
Rhein
Basel
Zürich
Bodensee
Bregenz
Alpenrhein
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 20 Chemical status of surface water bodies – classification without ubiquitous substances
Chemical status of surface water bodies *
good
failing to achieve good
not classified
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Moselle and Sure (border LU/DE-RP): classifications of DE-RP.
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJssel
Vechte
Waal
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhein
Rhein
Basel
Zürich
Bodensee
Bregenz
Alpenrhein
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015

International Rhine River Basin District
Report Part A
K 21 Groundwater - Monitoring network Quantity

- Monitoring station
- Groundwater body *
- Rhine river basin district
- Coastal waters
- Transitional water
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* Switzerland (CH): reporting units within international data exchange

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

Implementation

Bundesanstalt für Gewässerkunde

Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

WasserBLICK

State:
17 December 2015

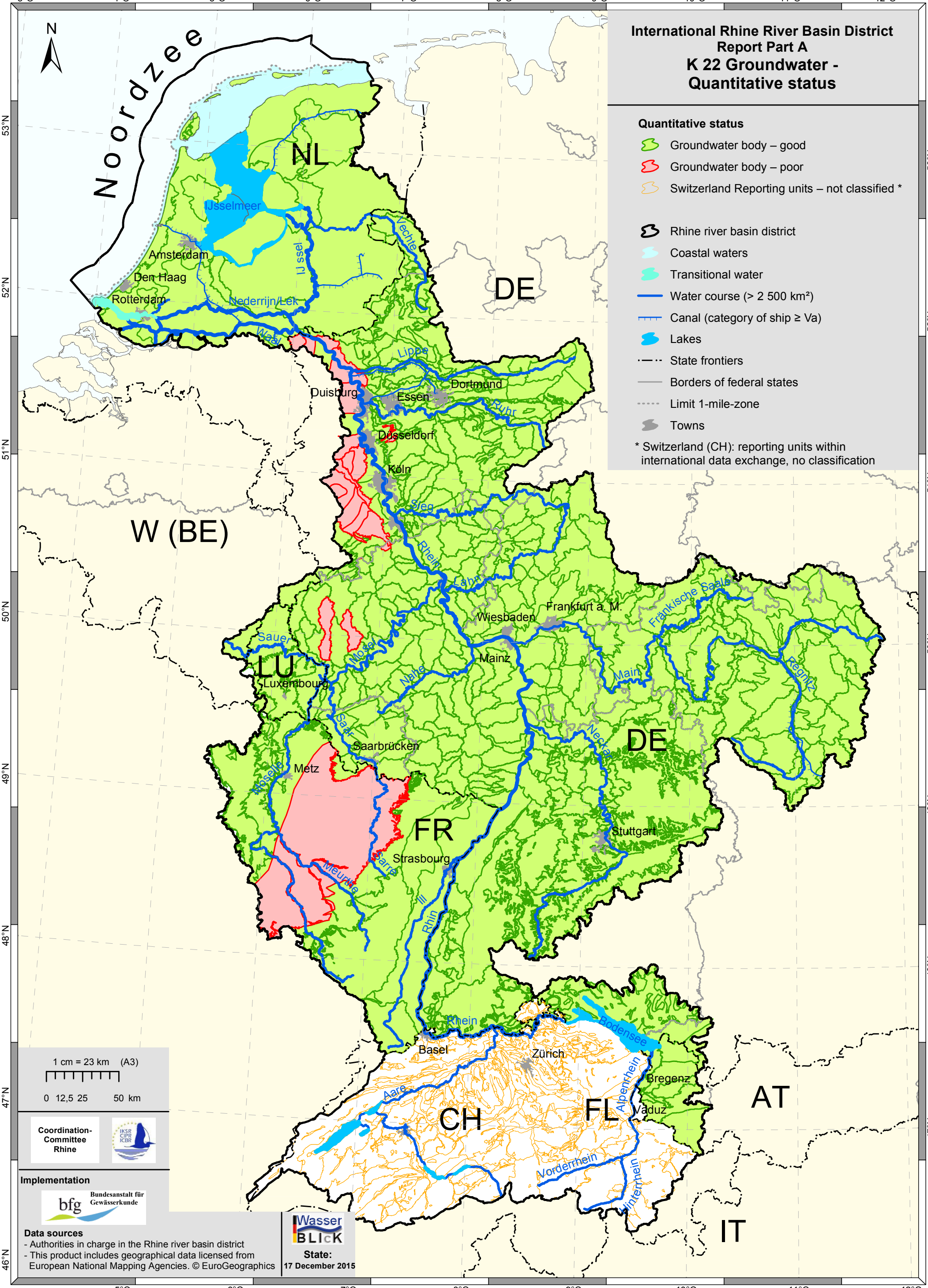
International Rhine River Basin District Report Part A
K 22 Groundwater - Quantitative status

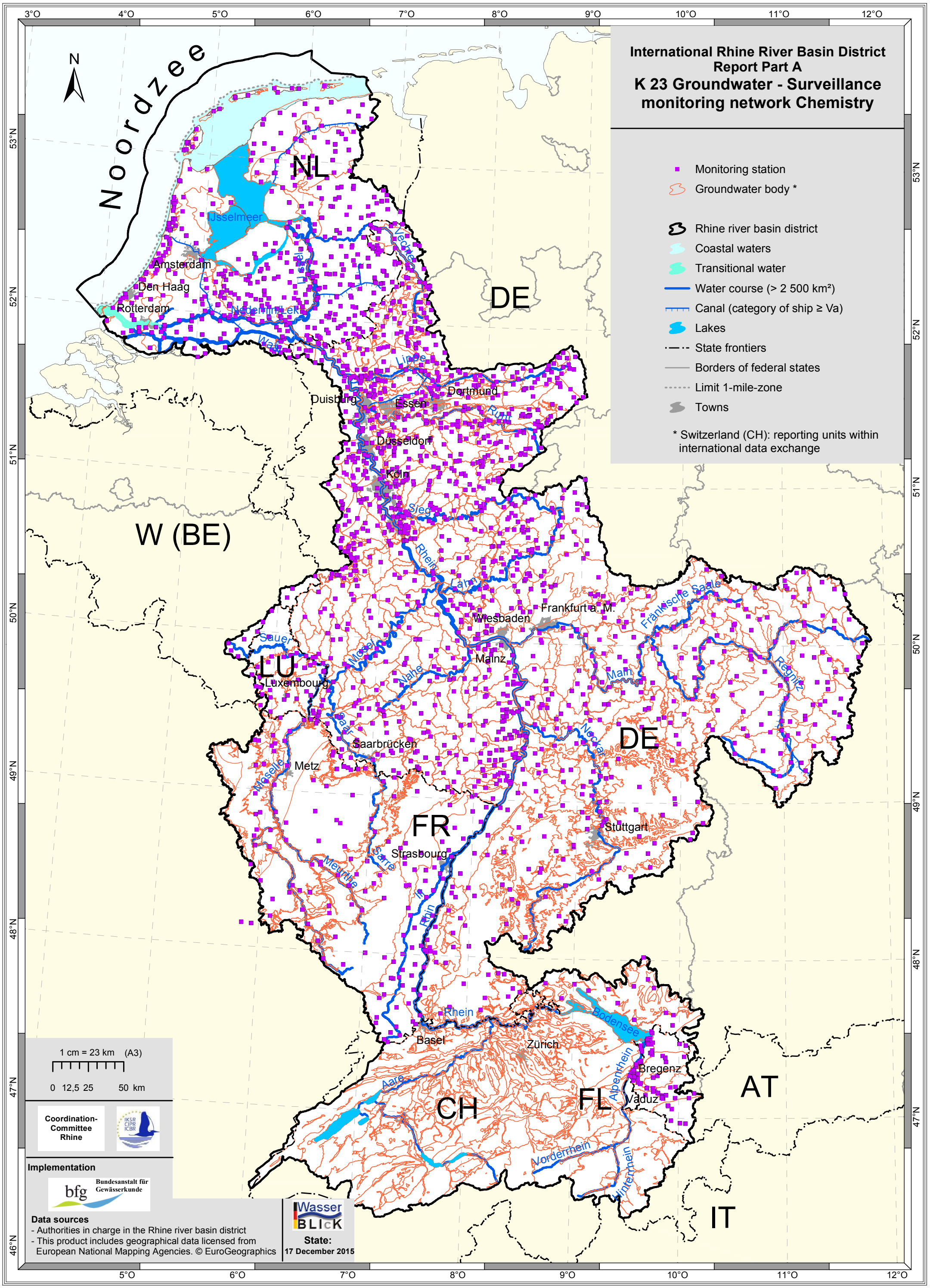
Quantitative status

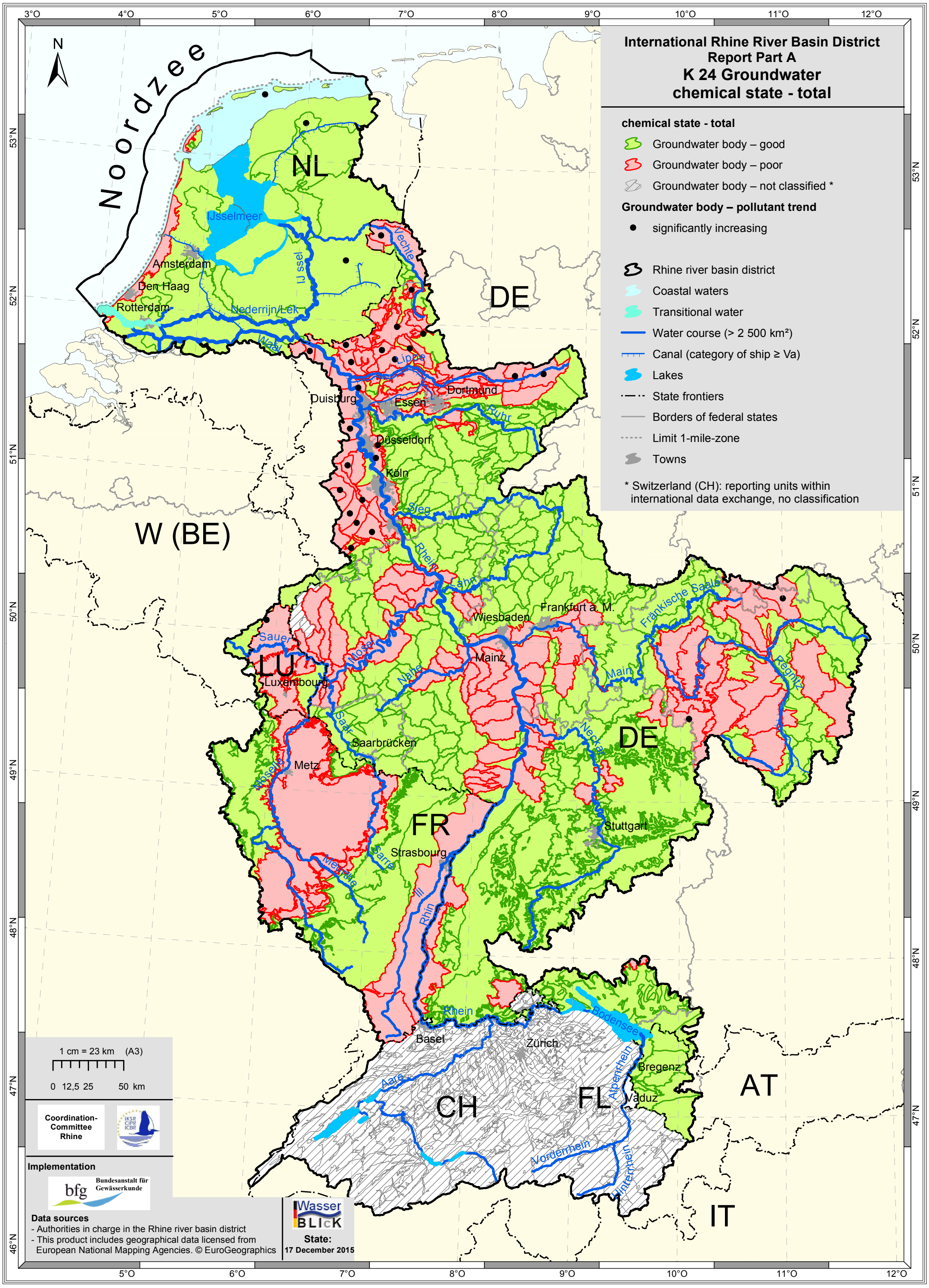
- Groundwater body – good
- Groundwater body – poor
- Switzerland Reporting units – not classified *

- Rhine river basin district
- Coastal waters
- Transitional water
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* Switzerland (CH): reporting units within international data exchange, no classification




International Rhine River Basin District
Report Part A
K 23 Groundwater - Surveillance monitoring network Chemistry
Monitoring station
Groundwater body *
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Switzerland (CH): reporting units within international data exchange
Noordzee
N
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
Maas
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Metz
Moselle
Stuttgart
Strasbourg
Sarre
Meurthe
Ill
Bodensee
Basel
Zürich
Bregenz
Aare
Alpenrhein
Vaduz
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 24 Groundwater
chemical state - total
chemical state - total
Groundwater body – good
Groundwater body – poor
Groundwater body – not classified *
Groundwater body – pollutant trend
significantly increasing
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Switzerland (CH): reporting units within international data exchange, no classification
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJssel
Vechte
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Metz
Moselle
Stuttgart
Strasbourg
Sarre
Meurthe
Ill
Rhein
Basel
Zürich
Bodensee
Bregenz
Aare
Alpenrhein
Vaduz
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015

International Rhine River Basin District
Report Part A
K 25 Groundwater chemical status - nitrate

Chemical status – nitrates

- Groundwater body – good
- Groundwater body – poor
- Groundwater body – not classified *

- Rhine river basin district
- Coastal waters
- Transitional water
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

* Switzerland (CH): reporting units within international data exchange, no classification

Noordzee

NL

DE

W (BE)

LU

FR

CH

FL

AT

IT

IJsselmeer

Amsterdam

Den Haag

Rotterdam

IJssel

Nederrijn/Lek

Waal

Lippe

Dortmund

Duisburg

Essen

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Wiesbaden

Frankfurt a. M.

Fränkische Saale

Sauer

Mosel

Mainz

Nahe

Main

Regnitz

Luxembourg

Saar

Saarbrücken

Neckar

Metz

Stuttgart

Strasbourg

Sarre

Meurthe

Ill

Bodensee

Basel

Zürich

Bregenz

Aare

Alpenrhein

Vaduz

Vorderrhein

Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

Implementation

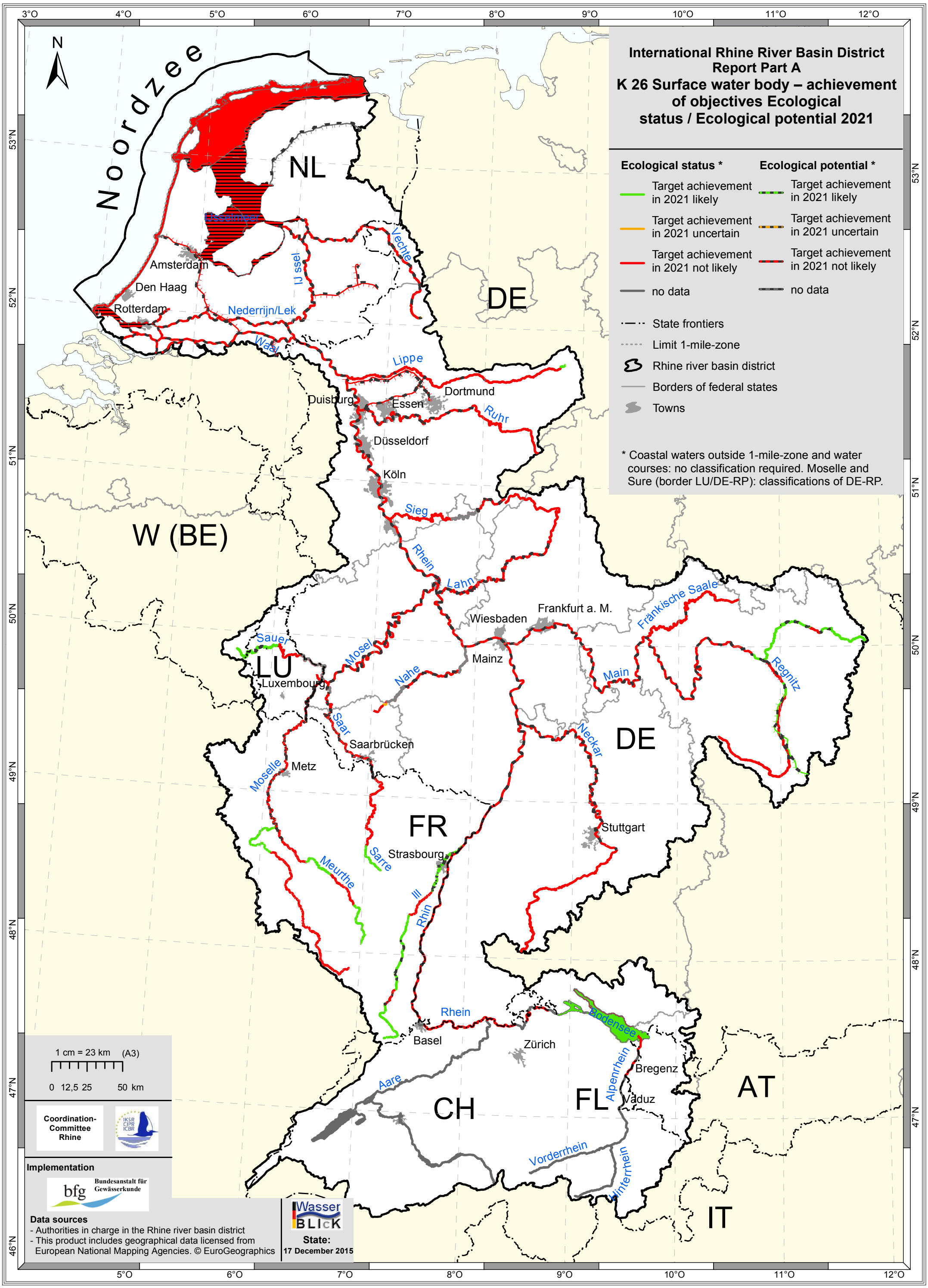
bfg Bundesanstalt für Gewässerkunde

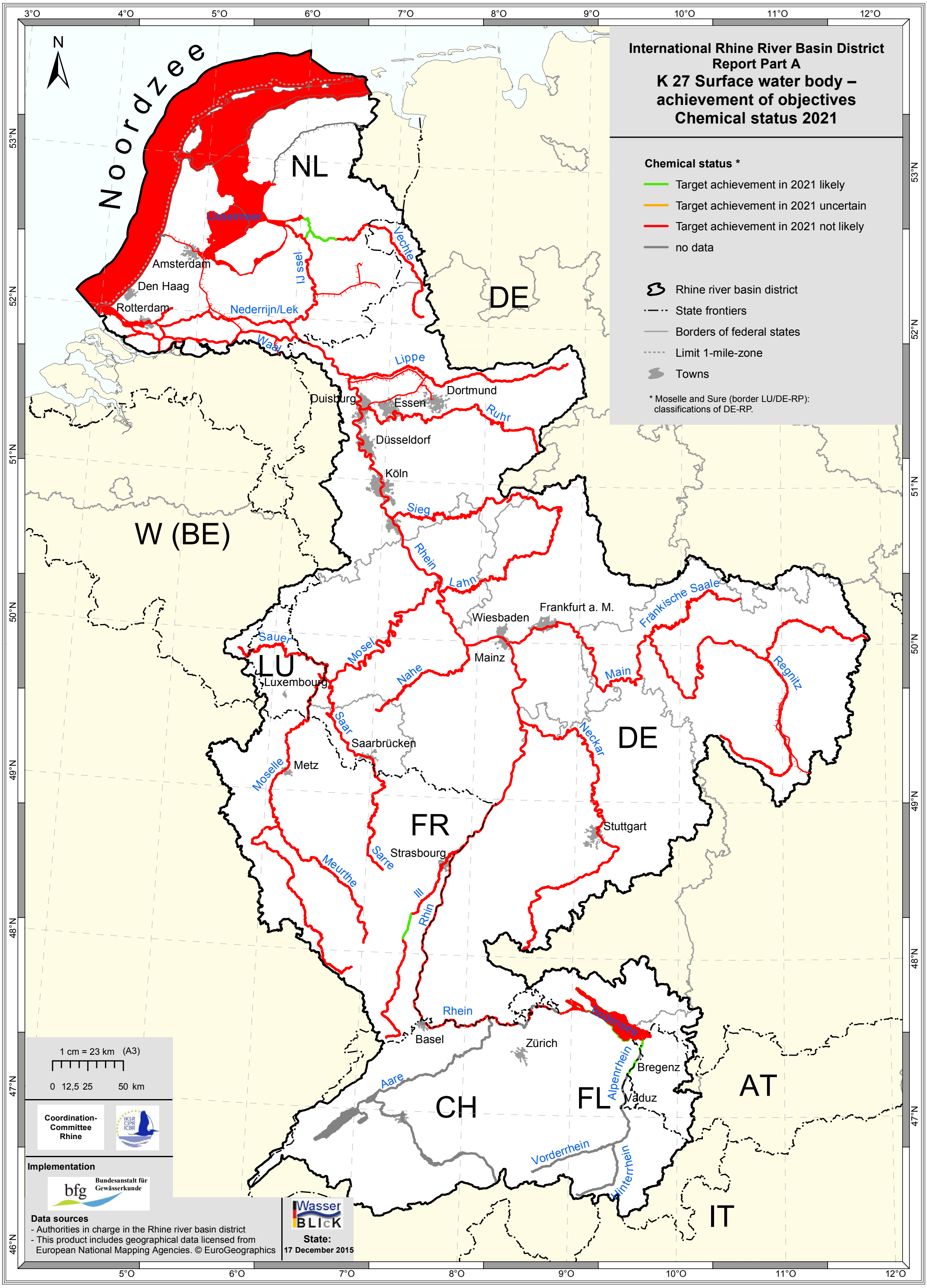
Data sources

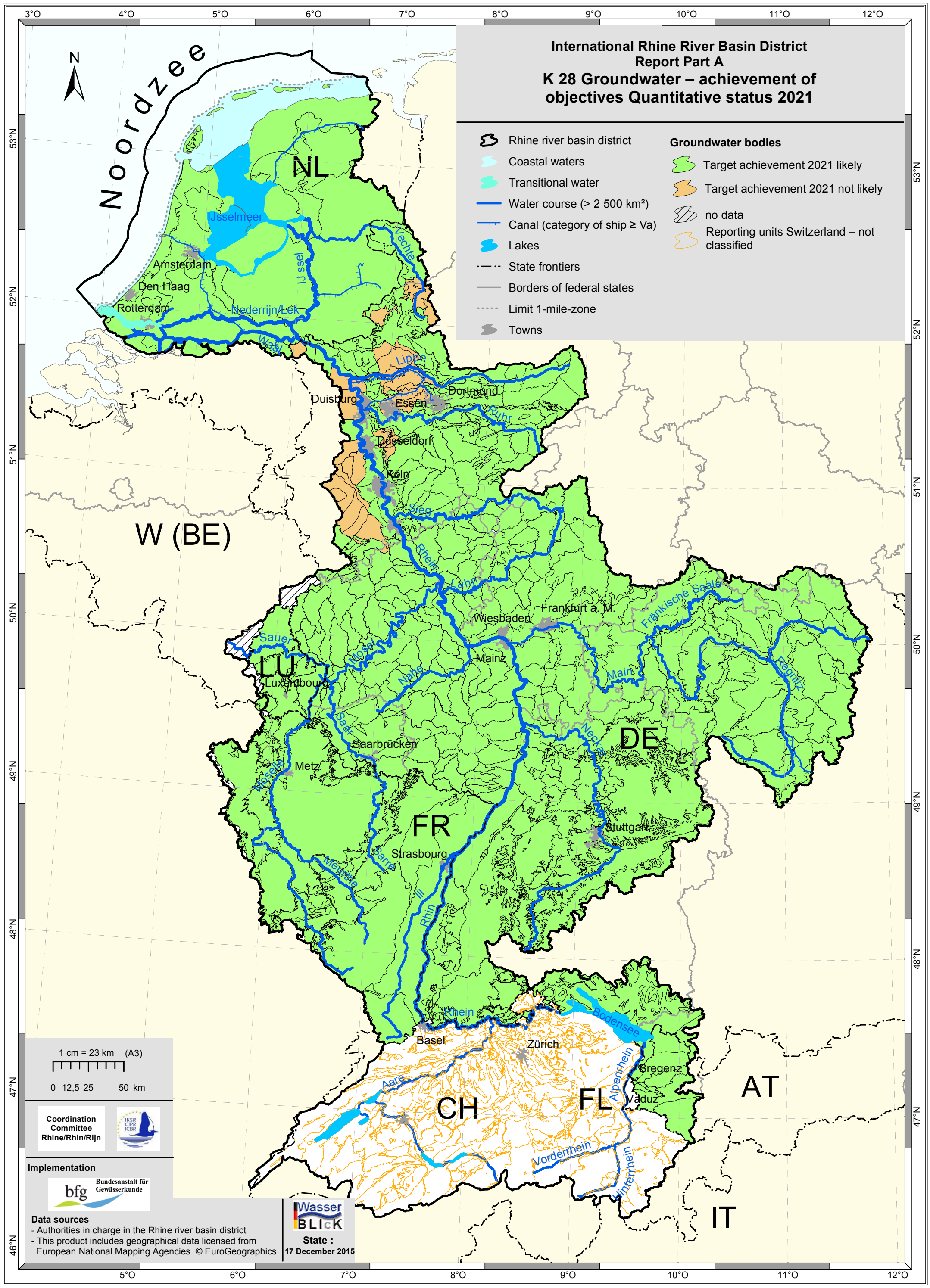
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

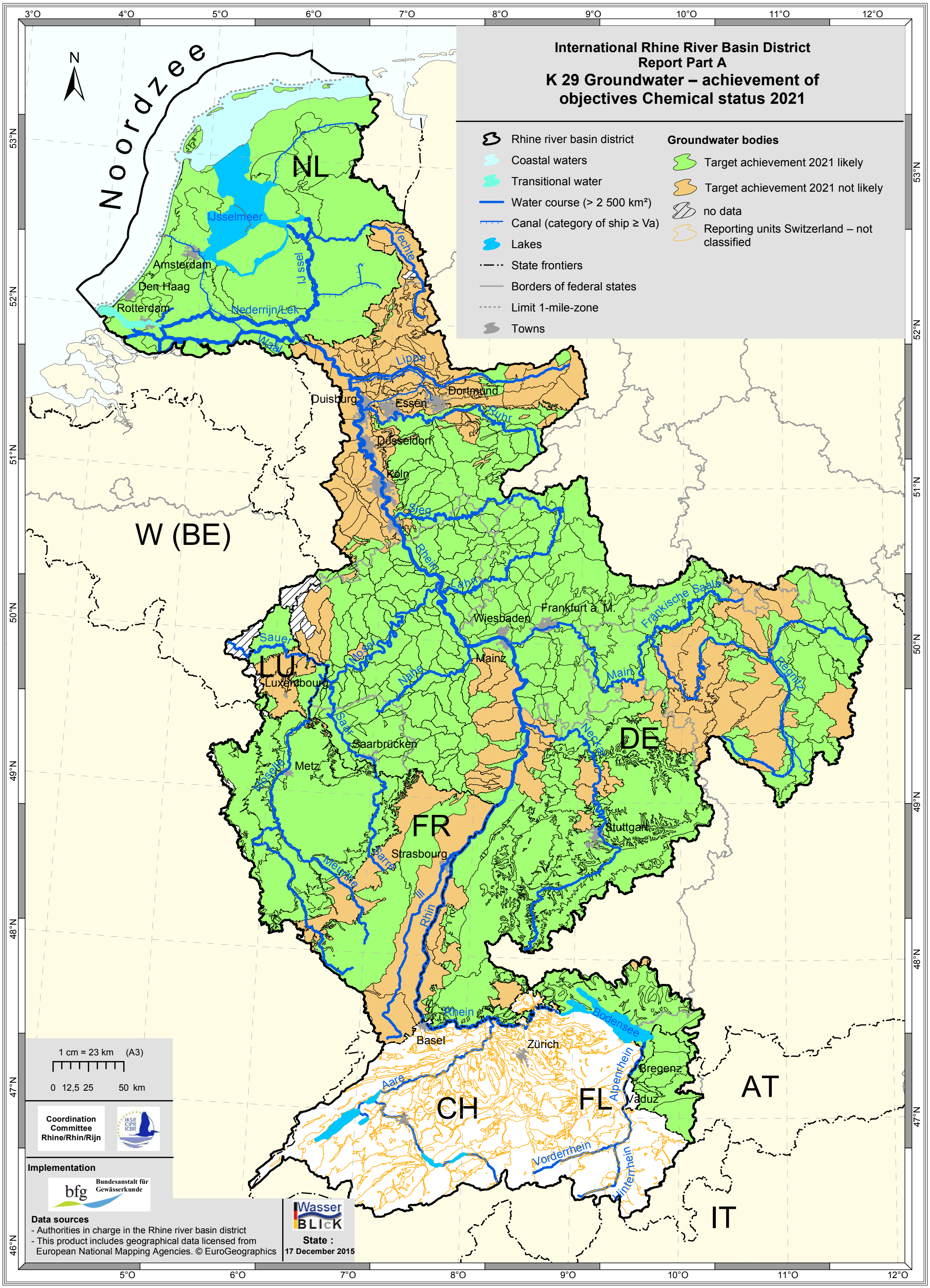
Wasser BLICK

State:
17 December 2015


International Rhine River Basin District
Report Part A
K 26 Surface water body – achievement of objectives Ecological status / Ecological potential 2021
Ecological status *
Target achievement in 2021 likely
Target achievement in 2021 uncertain
Target achievement in 2021 not likely
no data
Ecological potential *
Target achievement in 2021 likely
Target achievement in 2021 uncertain
Target achievement in 2021 not likely
no data
State frontiers
Limit 1-mile-zone
Rhine river basin district
Borders of federal states
Towns
* Coastal waters outside 1-mile-zone and water courses: no classification required. Moselle and Sure (border LU/DE-RP): classifications of DE-RP.
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
Ijsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
Ijssel
Vechte
Lippe
Dortmund
Duisburg
Essen
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Meurthe
Sarre
Strasbourg
Ill
Rhein
Basel
Zürich
Bodensee
Alpenrhein
Bregenz
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 27 Surface water body –
achievement of objectives
Chemical status 2021
Chemical status *
Target achievement in 2021 likely
Target achievement in 2021 uncertain
Target achievement in 2021 not likely
no data
Rhine river basin district
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
* Moselle and Sure (border LU/DE-RP): classifications of DE-RP.
N
Noordzee
NL
DE
W (BE)
LU
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJssel
Vechte
Waal
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Frankfurt a. M.
Wiesbaden
Fränkische Saale
Sauer
Mosel
Mainz
Nahe
Main
Regnitz
Luxembourg
Saar
Saarbrücken
Neckar
Moselle
Metz
Stuttgart
Sarre
Strasbourg
Meurthe
Ill
Rhein
Rhein
Basel
Zürich
Bodensee
Bregenz
Alpenrhein
Vaduz
Aare
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination-Committee Rhine
Implementation
bfg Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
WasserBLICK
State:
17 December 2015


International Rhine River Basin District
Report Part A
K 28 Groundwater – achievement of objectives Quantitative status 2021
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
Groundwater bodies
Target achievement 2021 likely
Target achievement 2021 not likely
no data
Reporting units Switzerland – not classified
Noordzee
N
NL
W (BE)
LU
DE
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
IJssel
Vecht
Waal
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Luxembourg
Mosel
Nahe
Mainz
Main
Regnitz
Saar
Saarbrücken
Metz
Neckar
Stuttgart
Strasbourg
Moselle
Ill
Bodensee
Basel
Zürich
Bregenz
Aare
Alpenrhein
Vaduz
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination Committee Rhine/Rhin/Rijn
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State :
17 December 2015


International Rhine River Basin District
Report Part A
K 29 Groundwater – achievement of objectives Chemical status 2021
Rhine river basin district
Coastal waters
Transitional water
Water course (> 2 500 km²)
Canal (category of ship ≥ Va)
Lakes
State frontiers
Borders of federal states
Limit 1-mile-zone
Towns
Groundwater bodies
Target achievement 2021 likely
Target achievement 2021 not likely
no data
Reporting units Switzerland – not classified
Noordzee
NL
W (BE)
LU
DE
FR
CH
FL
AT
IT
IJsselmeer
Amsterdam
Den Haag
Rotterdam
Nederrijn/Lek
Waal
IJssel
Vechte
Lippe
Duisburg
Essen
Dortmund
Ruhr
Düsseldorf
Köln
Sieg
Rhein
Lahn
Wiesbaden
Frankfurt a. M.
Fränkische Saale
Sauer
Luxembourg
Mosel
Nahe
Mainz
Main
Regnitz
Saar
Saarbrücken
Metz
Neckar
Stuttgart
Strasbourg
Meurthe
Ill
Bodensee
Basel
Zürich
Bregenz
Aare
Alpenrhein
Vaduz
Vorderrhein
Hinterrhein
1 cm = 23 km (A3)
0 12,5 25 50 km
Coordination Committee Rhine/Rhin/Rijn
Implementation
Bundesanstalt für Gewässerkunde
Data sources
- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics
Wasser BLICK
State : 17 December 2015

International Rhine River Basin District Report Part A
K 30 Master plan Migratory Fish Rhine: Upstream continuity Example of the salmon and sea trout resp. Lake Constance lake trout

Program waters for migratory fish

- Accessible upstream or not accessible but local continuity
- Limited upstream accessability
- not accessible upstream

Evaluation of free upstream migration for:

- Atlantic salmon and sea trout
- Lake Constance lake trout

- Rhine river basin district
- Water course (> 2 500 km²)
- Canal (category of ship ≥ Va)
- Lakes
- State frontiers
- Borders of federal states
- Limit 1-mile-zone
- Towns

Lake Ijssel-Closure dike: important access from the Wadden Sea to the Rhine system

Haringvliet sluices: important access to the systems of Meuse and Rhine

Noordzee

NL

DE

W (BE)

LU

FR

CH

FL

AT

IT

IJsselmeer

Amsterdam

Den Haag

Rotterdam

Nederrijn/Lek

Waal

IJssel

Vechte

Lippe

Dortmund

Duisburg

Essen

Ruhr

Düsseldorf

Köln

Sieg

Rhein

Lahn

Frankfurt a. M.

Wiesbaden

Fränkische Saale

Sauer

Mosel

Mainz

Nahe

Main

Regnitz

Luxembourg

Saar

Saarbrücken

Neckar

Metz

Moselle

Stuttgart

Sarre

Strasbourg

Meurthe

Ill

Rhein

Basel

Zürich

Bodensee

Alpenrhein

Bregenz

Vaduz

Aare

Vorderrhein

Hinterrhein

1 cm = 23 km (A3)

0 12,5 25 50 km

Coordination-Committee Rhine

IKSR CIPR ICBR

Implementation

bfg Bundesanstalt für Gewässerkunde

Data sources

- Authorities in charge in the Rhine river basin district
- This product includes geographical data licensed from European National Mapping Agencies. © EuroGeographics

WasserBLICK

State:
17 December 2015