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

(Part A = Overriding Part)

December 2015

Maps
Types of surface water bodies:

- Rhine river basin district
- State frontiers
- Limit 1-mile-zone
- Canal (category of ship ≥ Va)
- Towns

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

Types of lakes:

- Big, deep, high-time 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 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

Data sources:
- Authorities in charge in the Rhine river basin district
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Implementation:
- Coordination-Committee Rhine

State:
- 17 December 2015
International Rhine River Basin District
Report Part A
K 9 Abstraction of water for human consumption

- Potable water protection area *
- 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

Data sources
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Implementation
17 December 2015
State:
Bundesanstalt für Gewässerkunde
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

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Implementation:
- WasserBlick

State: 17 December 2015

Coordination-Committee Rhine
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

Data sources
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Implementation

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.
International Rhine River Basin District Report Part A
K 14 Phytobenthos / macrophytes (including sea weed and common salt marsh grass)

<table>
<thead>
<tr>
<th>Ecological status *</th>
<th>Ecological potential *</th>
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</thead>
<tbody>
<tr>
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<tr>
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<tr>
<td>bad</td>
<td>bad</td>
</tr>
<tr>
<td>not classified</td>
<td>not classified</td>
</tr>
</tbody>
</table>

* 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.

Data sources
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Implementation
17 December 2015
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.

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Implementation

17 December 2015

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Coordination-Committee Rhine

International Rhine River Basin District
Report Part A
K 19 Chemical status of surface water bodies

Chemical status of surface water bodies *

0 12.5 25 50 km
1 cm = 23 km (A3)
International Rhine River Basin District
Report Part A
K 24 Groundwater
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

Data sources
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Implementation
17 December 2015
State: Bundesanstalt für Gewässerkunde

Coordination-Committee Rhine
International Rhine River Basin District
Report Part A
K 28 Groundwater – achievement of objectives Quantitative status 2021

Data sources
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Implementation

17 December 2015

State:

Coordination Committee Rhine/Rhin/Rijn

Bundesanstalt für Gewässerkunde

Groundwater bodies
- 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

Target achievement 2021 not likely
Target achievement 2021 likely
no data
Reporting units Switzerland – not classified

0 12,5 25 50 km

1 cm = 23 km

11°O

50°N

53°N

52°N

49°N

48°N

47°N

46°N

0°N

12°O

11°O

10°O

9°O

8°O

7°O

6°O

5°O

4°O

3°O

0°N

53°N

52°N

51°N

50°N

49°N

48°N

47°N

46°N

0°N

53°N

52°N

51°N

50°N

49°N

48°N

47°N

46°N
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 accessibility
- 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

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Implementation
Bundesanstalt für Gewässerkunde
State: 17 December 2015

Lake IJssel-Closure dike:
Important access from the Wadden Sea to the Rhine system

Harnsveld access:
Important access to the systems of Meuse and Rhine

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

Lake Constance lake trout

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

Harnsveld access:
Important access to the systems of Meuse and Rhine

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

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Important access to the systems of Meuse and Rhine