

Report on the main results of the surveillance under article 11 for annex I habitat types (Annex D)

CODE: **3260**

NAME: **3260 Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation**

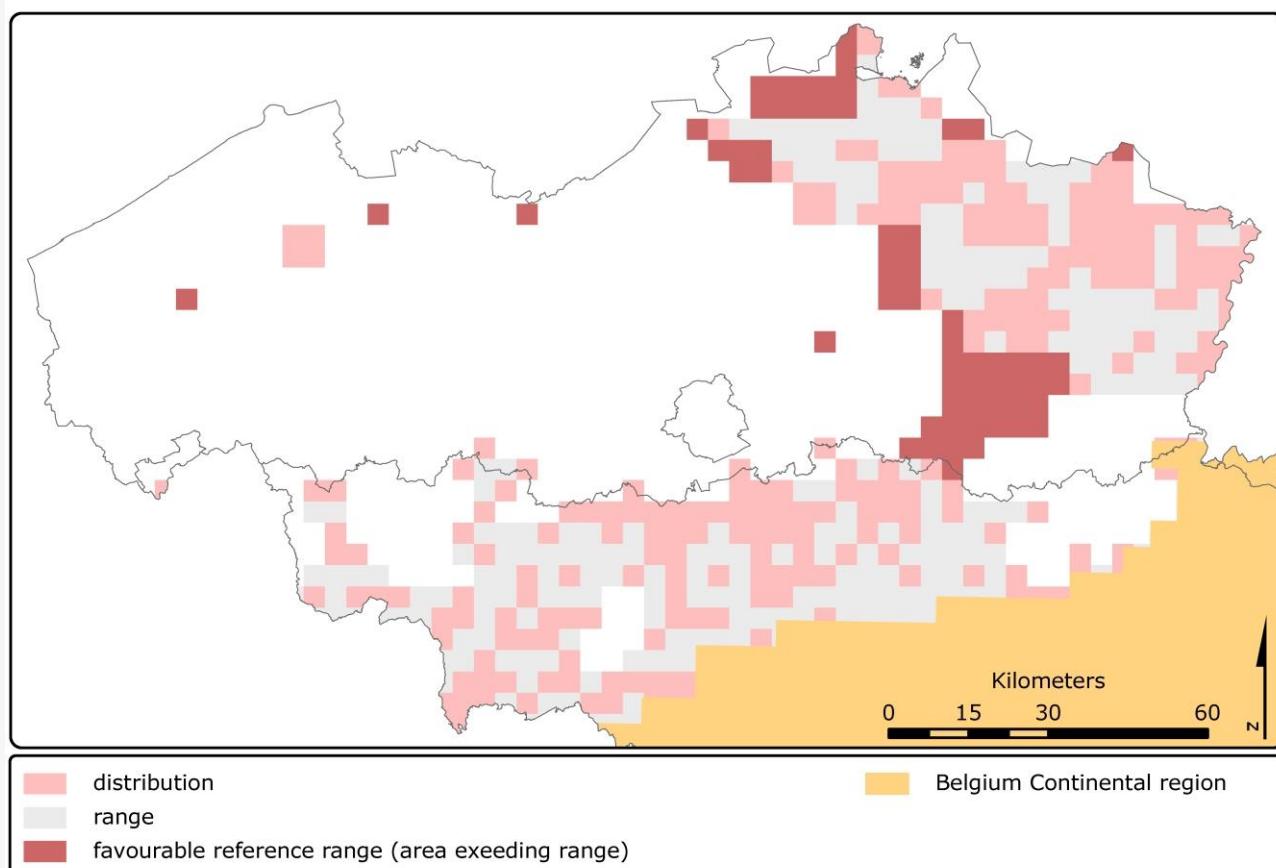
1. National level

Biogeographic regions and/or marine regions concerned within the member state: **ATL CON**

2. Biogeographical or marine level

2.1 Biogeographic region or marine region: Atlantic

Leyssen A., Keulen C., Denys L., Packet J., Van Looy K., Schneiders A., Van Landuyt W. & Paelinckx D. (2008) Conservation status of the Natura 2000 habitat 3260 (Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation) for the Belgian Atlantic region, In: Paelinckx D., Van Landuyt W. & De Bruyn L. (ed.). Conservation status of the Natura 2000 habitats and species. Report of the Research Institute for Nature and Forest, INBO.R.2008.15. Brussels. In prep



2.2 Published sources and/or websites www.inbo.be/natura2000be

2.3 Range of the habitat type in the biogeographic region or marine region

2.3.1 Surface area of range in km² 6755

2.3.2 Date of range determination 1994-2007

2.3.3 Quality of data concerning range Moderate e.g. based on partial data with some extrapolation

2.3.4 Range trend	Decreasing (-)
2.3.5 Range trend magnitude in km2 (optional)	1020
2.3.6 Range trend period	1980-2007
2.3.7 Reasons for reported trend	Direct human influence (restoration, deterioration, destruction) Indirect anthropo(zoo)genic influence
Other (specify)	N/A
2.4 Area covered by habitat type in the biogeographic region or marine region	
2.4.1 Surface area of the habitat type (km2)	0.78
2.4.2 Date of area estimation	1994-2007
2.4.3 Method used for area estimation	Ground based survey (based on field mapping, possibly using stratified random sampling Based on expert opinion
2.4.4 Quality of data on area	Poor e.g. based on very incomplete data or on expert judgement
2.4.5 Area trend	Decreasing (-)
2.4.6 Area trend magnitude (km2)	0.33
2.4.7 Area trend period	1982-2007
2.4.8 Reasons for reported trend	Direct human influence (restoration, deterioration, destruction) Indirect anthropo(zoo)genic influence
Other (specify)	N/A
2.4.9 Justification of % thresholds for trends (optional)	N/A
2.4.10 Main pressures	110 Use of pesticides 190 Agriculture and forestry activities not referred to above 620 Outdoor sports and leisure activities 701 - water pollution 790 Other pollution or human impacts/activities 800 Landfill, land reclamation and drying out, general 810 Drainage 811 - management of aquatic and bank vegetation for drainage purposes 820 Removal of sediments (mud...) 830 Canalisation 840 Flooding 852 - modifying structures of inland water courses 853 - management of water levels 870 Dykes, embankments, artificial beaches, general 890 Other human induced changes in hydraulic conditions 900 Erosion 910 Silting up 951 - drying out / accumulation of organic material 952 - eutrophication 954 - invasion by a species 979 - other forms or mixed forms of interspecific floral competition
2.4.11 Threats	110 Use of pesticides 701 - water pollution 790 Other pollution or human impacts/activities 810 Drainage 820 Removal of sediments (mud...) 830 Canalisation 852 - modifying structures of inland water courses 870 Dykes, embankments, artificial beaches, general 890 Other human induced changes in hydraulic conditions 900 Erosion 910 Silting up

	952 - eutrophication 954 - invasion by a species 979 - other forms or mixed forms of interspecific floral competition
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2.5 Complementary information

2.5.1 Favourable reference range (km2)	Much more than field 2.3.1 6755	
2.5.2 Favourable reference area (km2)	Much more than field 2.4.1 0.78	
2.5.3 Typical species	Callitriche hamulata / Kütz. ex Koch	
2.5.3 Typical species	Cinclidotus dancubicus / Schiffn. & Baumg.	
2.5.3 Typical species	Cinclidotus fontinaloides / (Hedw.) P. Beauv.	
2.5.3 Typical species	Cinclidotus riparius / (Brid.) Arnott	
2.5.3 Typical species	Fontinalis antipyretica / Hedw.	
2.5.3 Typical species	Groenlandia densa / (L.) Fourr.	
2.5.3 Typical species	Luronium natans	
2.5.3 Typical species	Myriophyllum alterniflorum / DC.	
2.5.3 Typical species	Myriophyllum verticillatum / L.	
2.5.3 Typical species	Potamogeton acutifolius / Link	
2.5.3 Typical species	Potamogeton alpinus / Balb.	
2.5.3 Typical species	Potamogeton berchtoldii / Fieb.	
2.5.3 Typical species	Potamogeton coloratus / Hornem.	
2.5.3 Typical species	Potamogeton friesii / Rupr.	
2.5.3 Typical species	Potamogeton gramineus / L.	
2.5.3 Typical species	Potamogeton lucens / L.	
2.5.3 Typical species	Potamogeton nodosus / Poiret	
2.5.3 Typical species	Potamogeton obtusifolius / Mert. et Koch	
2.5.3 Typical species	Potamogeton perfoliatus / L.	
2.5.3 Typical species	Potamogeton polygonifolius / Pourr.	
2.5.3 Typical species	Potamogeton praelongus / Wulfen	
2.5.3 Typical species	Ranunculus aquatilis / L.	
2.5.3 Typical species	Ranunculus fluitans / Lam.	
2.5.3 Typical species	Ranunculus hederaceus / L.	
2.5.3 Typical species	Ranunculus peltatus / Schrank	
2.5.3 Typical species	Ranunculus penicillatus / (Dum.) Bab.	
2.5.3 Typical species	Ranunculus trichophyllus / Chaix	
2.5.4 Typical species assessment	Water courses are considered as well developed when at least 1 typical species occurs frequently	
2.5.5 Other relevant information (optional)	N/A	
Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
(2.3) Range	Bad and deteriorating (U2-)	Bad and deteriorating (U2-)
(2.4) Area	Bad and deteriorating (U2-)	Bad and deteriorating (U2-)
(2.5) Structure and function, including typical species	Bad (U2)	Bad (U2)
Future prospects	Bad (U2)	Bad (U2)

Overall assessment	Bad and deteriorating (U2-)	Bad and deteriorating (U2-)
2.1 Biogeographic region or marine region: Continental		
2.2 Published sources and/or websites	biodiversite.wallonie.be/sites/natura2000	
2.3 Range of the habitat type in the biogeographic region or marine region		
2.3.1 Surface area of range in km2	11902	
2.3.2 Date of range determination	1994-2006	
2.3.3 Quality of data concerning range	Moderate e.g. based on partial data with some extrapolation	
2.3.4 Range trend	Stable (=)	
2.3.5 Range trend magnitude in km2 (optional)	N/A	
2.3.6 Range trend period	1994-2006	
2.3.7 Reasons for reported trend	Not applicable	
Other (specify)	N/A	
2.4 Area covered by habitat type in the biogeographic region or marine region		
2.4.1 Surface area of the habitat type (km2)	2	
2.4.2 Date of area estimation	1994-2006	
2.4.3 Method used for area estimation	Based on remote sensing data (possibly including an element of ground truthing) Based on expert opinion	
2.4.4 Quality of data on area	Moderate e.g. based on partial data with some extrapolation	
2.4.5 Area trend	Stable (=)	
2.4.6 Area trend magnitude (km2)	N/A	
2.4.7 Area trend period	1994-2006	
2.4.8 Reasons for reported trend	Not applicable	
Other (specify)	N/A	
2.4.9 Justification of % thresholds for trends (optional)	N/A	
2.4.10 Main pressures	701 - water pollution 790 Other pollution or human impacts/activities 800 Landfill, land reclamation and drying out, general 810 Drainage 820 Removal of sediments (mud...) 830 Canalisation 840 Flooding 870 Dykes, embankments, artificial beaches, general 890 Other human induced changes in hydraulic conditions 900 Erosion 910 Silting up 970 Interspecific floral relations	
2.4.11 Threats	701 - water pollution 790 Other pollution or human impacts/activities 800 Landfill, land reclamation and drying out, general	

	810 Drainage 820 Removal of sediments (mud...) 830 Canalisation 840 Flooding 870 Dykes, embankments, artificial beaches, general 890 Other human induced changes in hydraulic conditions 900 Erosion 910 Silting up 970 Interspecific floral relations	
2.5 Complementary information		
2.5.1 Favourable reference range (km2)	11902	
2.5.2 Favourable reference area (km2)	2	
2.5.3 Typical species	Amblystegium fluviatile / (Hedw.) Schimp.	
2.5.3 Typical species	Amblystegium serpens / (Hedw.) Schimp.	
2.5.3 Typical species	Amblystegium tenax / (Hedw.) C. Jens.	
2.5.3 Typical species	Berula erecta / (Huds.) Coville	
2.5.3 Typical species	Callitriche hamulata / Kutz. ex Koch	
2.5.3 Typical species	Cinclidotus fontinaloides / (Hedw.) P. Beauv.	
2.5.3 Typical species	Cinclidotus riparius / (Brid.) Arnott	
2.5.3 Typical species	Fissidens crassipes / Wils. ex Bruch et Nyh.	
2.5.3 Typical species	Fontinalis antipyretica / Hedw.	
2.5.3 Typical species	Fontinalis squamosa / Hedw.	
2.5.3 Typical species	Groenlandia densa / (L.) Fourn.	
2.5.3 Typical species	Leptodictyum riparium / (Hedw.) Warnst.	
2.5.3 Typical species	Myriophyllum spicatum / L.	
2.5.3 Typical species	Platyhypnidium riparioides / (Hedw.) Dix.	
2.5.3 Typical species	Potamogeton crispus / L.	
2.5.3 Typical species	Potamogeton pectinatus / L.	
2.5.3 Typical species	Ranunculus fluitans / Lam.	
2.5.3 Typical species	Ranunculus penicillatus / (Dum.) Bab.	
2.5.3 Typical species	Sagittaria sagittifolia / L.	
2.5.3 Typical species	Cinclidotus danubicus / L.	
2.5.4 Typical species assessment	Water courses are considered as well developed when at least 1 typical species occurs with high frequency	
2.5.5 Other relevant information (optional)	N/A	
Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
(2.3) Range	Favourable (FV)	N/A

(2.4) Area	Favourable (FV)	N/A
(2.5) Structure and function, including typical species	Inadequate (U1)	N/A
Future prospects	Favourable (FV)	N/A
Overall assessment	Inadequate but improving (U1+)	N/A