

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

CODE: **3130**

NAME: **3130 Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoeto-Nanojuncetea**

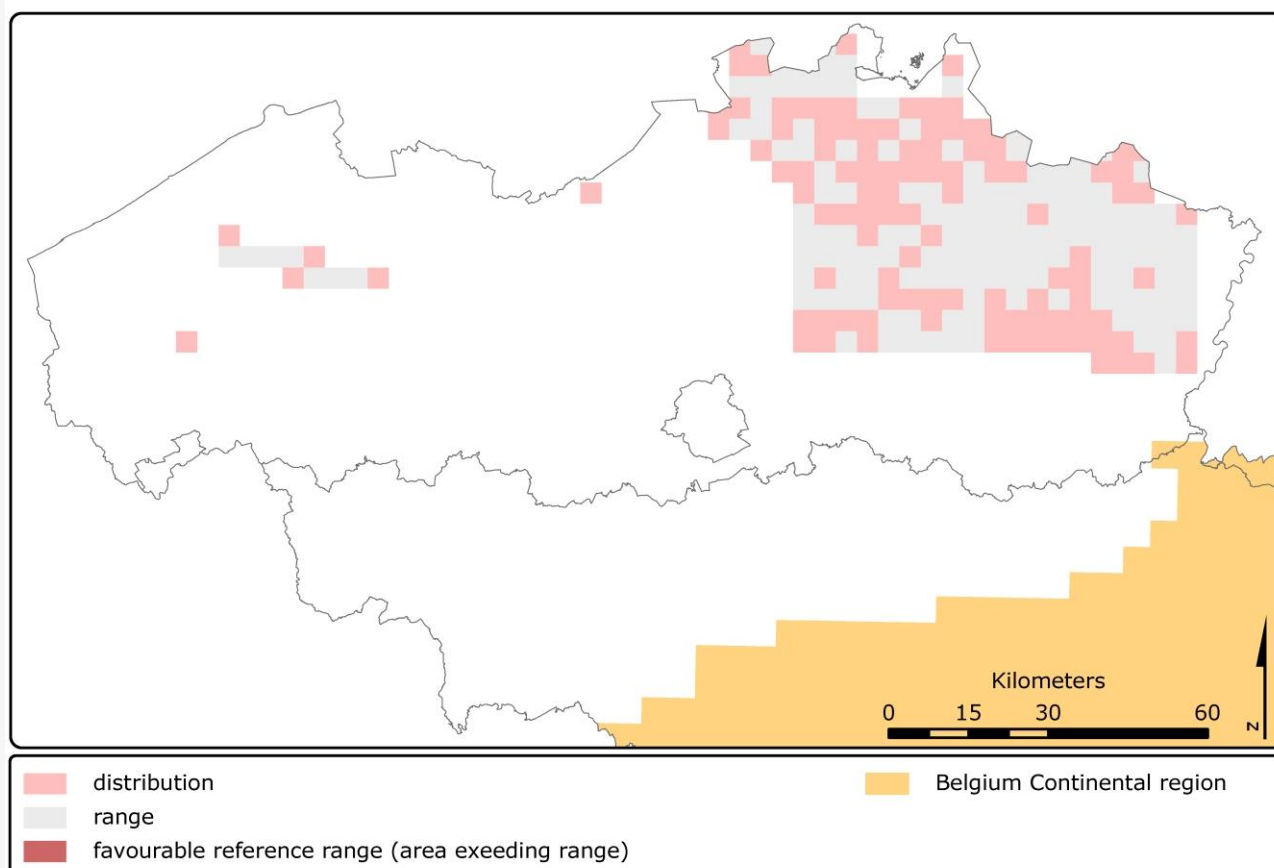
1. National level

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., Delescaille L.M., Denys L., Packet J., Van Landuyt W. & Paelinckx D. (2008) Conservation status of the Natura 2000 habitat 3130 (Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoeto-Nanojuncetea) 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/natura2000/

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

2.3.1 Surface area of range in km² | 3819

2.3.2 Date of range determination | 1994-2006

2.3.3 Quality of data concerning range | Good e.g based on extensive surveys

2.3.4 Range trend	Increasing (+)
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	Direct human influence (restoration, deterioration, destruction)
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)	4.58
2.4.2 Date of area estimation	1994-2006
2.4.3 Method used for area estimation	Ground based survey (based on field mapping, possibly using stratified random sampling)
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	Improved knowledge/more accurate data
Other (specify)	N/A
2.4.9 Justification of % thresholds for trends (optional)	N/A
2.4.10 Main pressures	190 Agriculture and forestry activities not referred to above 200 Fish and Shellfish Aquaculture 220 Leisure fishing 290 Hunting, fishing or collecting activities not referred to above 400 Urbanised areas, human habitation 620 Outdoor sports and leisure activities 701 - water pollution 810 Drainage 853 - management of water levels 890 Other human induced changes in hydraulic conditions 951 - drying out / accumulation of organic material 952 - eutrophication 953 - acidification 954 - invasion by a species 979 - other forms or mixed forms of interspecific floral competition
2.4.11 Threats	290 Hunting, fishing or collecting activities not referred to above 701 - water pollution 952 - eutrophication 953 - acidification

2.5 Complementary information

2.5.1 Favourable reference range (km2)	Much more than field 2.3.1 3819
2.5.2 Favourable reference area (km2)	More than field 2.4.1 4.58
2.5.3 Typical species	Apium inundatum / (L.) Reichenb. f.
2.5.3 Typical species	Baldellia ranunculoides / (L.) Parl.
2.5.3 Typical species	Centaurium pulchellum / (Sw.) Druce
2.5.3 Typical species	Anagallis minima / (L.) E.H.L. Krause
2.5.3 Typical species	Cicendia filiformis / (L.) Delarbre
2.5.3 Typical species	Cyperus flavescens / L.
2.5.3 Typical species	Deschampsia setacea / (Huds.) Hack.

2.5.3 Typical species	Elatine hexandra / (Lapierre) DC.	
2.5.3 Typical species	Elatine hydropiper / L.	
2.5.3 Typical species	Elatine triandra / Schkuhr	
2.5.3 Typical species	Eleocharis acicularis / (L.) Roem. et Schult.	
2.5.3 Typical species	Eleocharis ovata / (Roth) Roem. et Schult.	
2.5.3 Typical species	Hypericum elodes / L.	
2.5.3 Typical species	Juncus capitatus / Weigel	
2.5.3 Typical species	Juncus pygmaeus / L.C.M. Rich.	
2.5.3 Typical species	Juncus tenageia / L. f.	
2.5.3 Typical species	Littorella uniflora / (L.) Aschers.	
2.5.3 Typical species	Luronium natans	
2.5.3 Typical species	Nitella gracilis / (Smith) Ag.	
2.5.3 Typical species	Nitella translucens / (Persoon) Ag.	
2.5.3 Typical species	Pilularia globulifera / L.	
2.5.3 Typical species	Potamogeton gramineus / L.	
2.5.3 Typical species	Potamogeton polygonifolius / Pourr.	
2.5.3 Typical species	Radiola linoides / Roth	
2.5.3 Typical species	Ranunculus ololeucos / Lloyd	
2.5.3 Typical species	Scirpus fluitans / L.	
2.5.3 Typical species	Scirpus setaceus / L.	
2.5.3 Typical species	Sparganium natans / L.	
2.5.3 Typical species	Subularia aquatica / L.	
2.5.4 Typical species assessment	Standing freshwaters are considered to be well developed, when at least 2 typical species occur frequently in the subtype littorella or 3 typical species occur frequently in the subtype Isoeto-Nanojuncetea.	
2.5.5 Other relevant information (optional)	Although the range and area estimation have a good to moderate quality, trends are estimated by expert judgement. For the Atlantic region, no map for the FRR was made, due to a lack of knowledge.	
Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
(2.3) Range	Bad but improving (U2+)	Bad but improving (U2+)
(2.4) Area	Inadequate (U1)	Inadequate (U1)
(2.5) Structure and function, including typical species	Bad (U2)	Inadequate (U1)
Future prospects	Bad (U2)	Bad (U2)
Overall assessment	Bad (U2)	Bad (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	736	

2.3.2 Date of range determination	1994-2006
2.3.3 Quality of data concerning range	Poor e.g. based on very incomplete data or on expert judgement
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)	0.2
2.4.2 Date of area estimation	1994-2006
2.4.3 Method used for area estimation	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)	N/A
2.4.7 Area trend period	1994-2006
2.4.8 Reasons for reported trend	Direct human influence (restoration, deterioration, destruction)
Other (specify)	N/A
2.4.9 Justification of % thresholds for trends (optional)	N/A
2.4.10 Main pressures	190 Agriculture and forestry activities not referred to above 220 Leisure fishing 701 - water pollution 702 - air pollution 853 - management of water levels 951 - drying out / accumulation of organic material 952 - eutrophication 953 - acidification
2.4.11 Threats	190 Agriculture and forestry activities not referred to above 220 Leisure fishing 701 - water pollution 702 - air pollution 853 - management of water levels 951 - drying out / accumulation of organic material 952 - eutrophication 953 - acidification
2.5 Complementary information	
2.5.1 Favourable reference range (km2)	More than field 2.3.1 806
2.5.2 Favourable reference area (km2)	Much more than field 2.4.1 0.2
2.5.3 Typical species	<i>Alisma gramineum</i> / Leg.
2.5.3 Typical species	<i>Apium inundatum</i> / (L.) Reichenb. f.
2.5.3 Typical species	<i>Baldellia ranunculoides</i> / (L.) Parl.
2.5.3 Typical species	<i>Callitriche palustris</i> / L.
2.5.3 Typical species	<i>Centaurium pulchellum</i> / (Sw.) Druce
2.5.3 Typical species	<i>Anagallis minima</i> / (L.) E.H.L. Krause

2.5.3 Typical species	Cicendia filiformis / (L.) Delarbre	
2.5.3 Typical species	Crassula tillaea / Lester-Garland	
2.5.3 Typical species	Elatine hexandra / (Lapierre) DC.	
2.5.3 Typical species	Elatine hydropiper / L.	
2.5.3 Typical species	Elatine triandra / Schkuhr	
2.5.3 Typical species	Eleocharis acicularis / (L.) Roem. et Schult.	
2.5.3 Typical species	Eleocharis ovata / (Roth) Roem. et Schult.	
2.5.3 Typical species	Hypericum elodes / L.	
2.5.3 Typical species	Juncus capitatus / Weigel	
2.5.3 Typical species	Juncus pygmaeus / L.C.M. Rich.	
2.5.3 Typical species	Juncus tenageia / L. f.	
2.5.3 Typical species	Limosella aquatica / L.	
2.5.3 Typical species	Littorella uniflora / (L.) Aschers.	
2.5.3 Typical species	Luronium natans	
2.5.3 Typical species	Lythrum hyssopifolia / L.	
2.5.3 Typical species	Pilularia globulifera / L.	
2.5.3 Typical species	Potamogeton gramineus / L.	
2.5.3 Typical species	Potamogeton polygonifolius / Pourr.	
2.5.3 Typical species	Radiola linoides / Roth	
2.5.3 Typical species	Scirpus fluitans / L.	
2.5.3 Typical species	Scirpus setaceus / L.	
2.5.3 Typical species	Sparganium natans / L.	
2.5.4 Typical species assessment	Standing freshwaters with at least two typical species are considered as typical habitat.	
2.5.5 Other relevant information (optional)	N/A	
Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
(2.3) Range	Inadequate (U1)	N/A
(2.4) Area	Bad (U2)	N/A
(2.5) Structure and function, including typical species	Bad (U2)	N/A
Future prospects	Bad (U2)	N/A
Overall assessment	Bad (U2)	N/A