



3110 Oligotrophic waters containing very few minerals of sandy plains (*Littorelletalia uniflorae*)

Habitat code	3110
Priority	No
Habitat group	Freshwater habitats
Regions	Alpine, Atlantic, Boreal, Continental, Mediterranean

Nutrient poor lakes with vegetation dominated by shoreweed (*Littorella uniflora*), water lobelia (*Lobelia dortmana*) and/or quillworts (*Isoetes* spp) are widespread in north and west Europe in the Alpine, Atlantic, Boreal, Continental and Mediterranean region. The habitat is similar to habitat 3130 Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or of the *Isoëto-Nanojuncetea* and there may be differences in national interpretations.

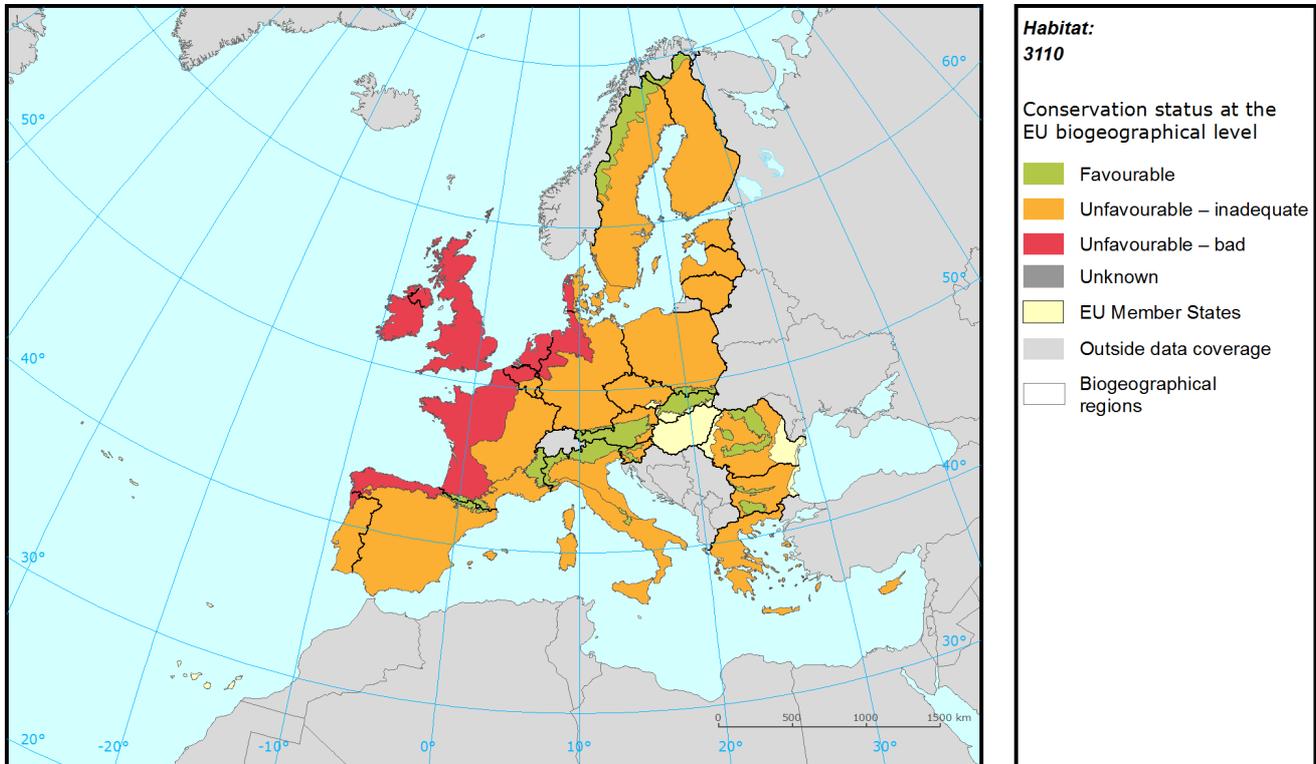
Assessed as Unfavourable inadequate in the Mediterranean and Boreal regions, Unfavourable bad (and deteriorating) in the Atlantic and Favourable in the Alpine region. The good condition in the Alpine region is due to the good status of lakes in the north of Finland which is the only country to report this habitat as Favourable and which as almost all of the habitat in this region. There have been no changes in Conservation Status since 2001-06 except in the Mediterranean where Unknown has changed to Unfavourable-inadequate as a result of better, but still incomplete, information and although data quality has improved, it remains poor in Spain and Portugal.

A variety of threats and pressures are reported but pollution is noted as highly important in most countries.

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Assessment of conservation status at the European biogeographical level



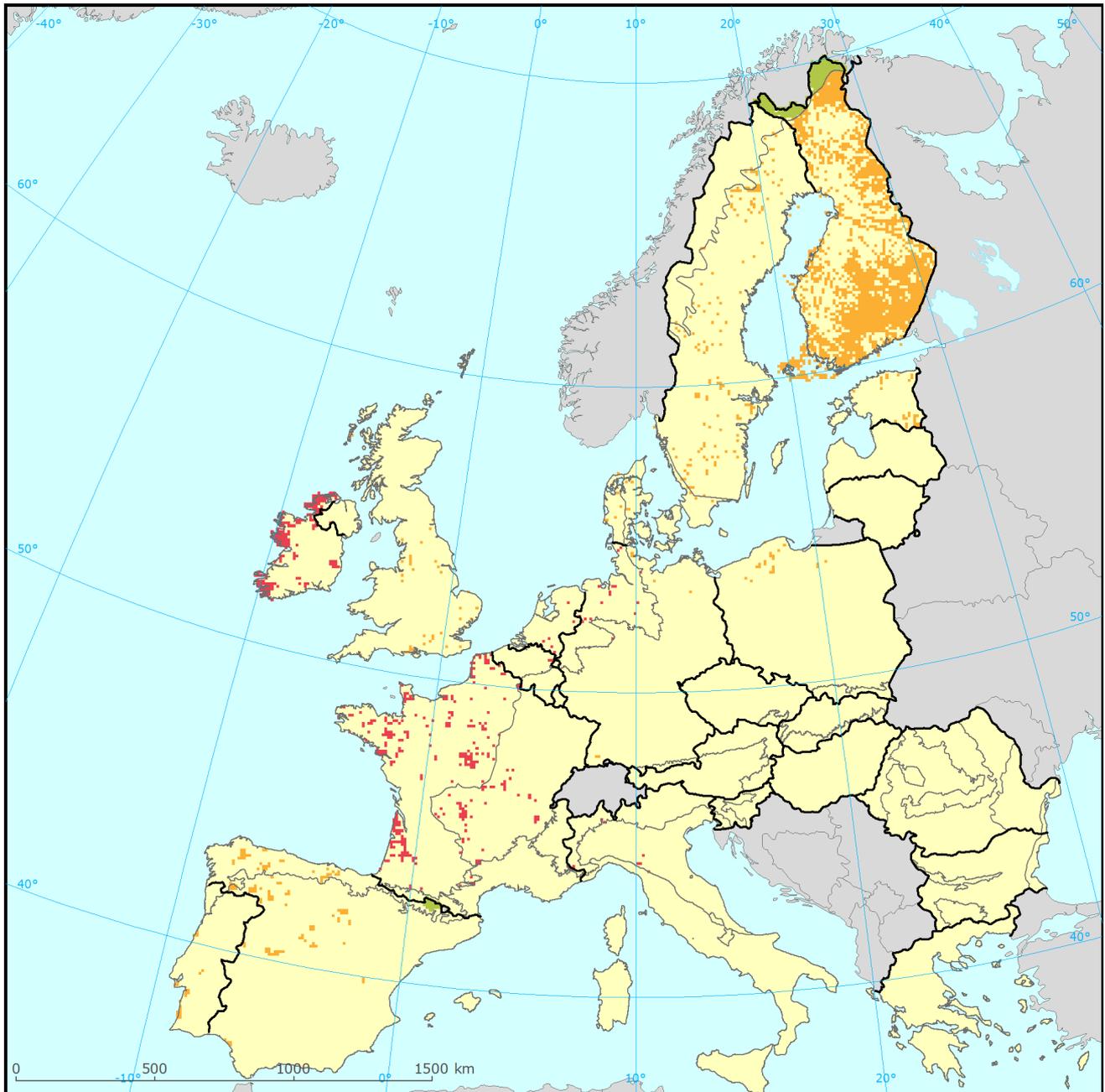
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Area	Structure & Functions	Future prospects					
ALP	FV	FV	FV	FV	FV	=	8	FV	
ATL	U2	U2	U2	U2	U2	-	18	U2	
BOR	FV	FV	U1	FV	U1	+	67	U1	
CON	U1	U1	U1	U1	U1	-	4	U1	
MED	FV	XX	XX	U1	U1	-	3	XX	Not genuine

See the endnote for more informationⁱ

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Assessment of conservation status at the Member State level



Habitat: 3110

Distribution and conservation status at the Member State level

- | | |
|---|--|
|  Favourable |  EU Member States |
|  Unfavourable - inadequate |  Outside data coverage |
|  Unfavourable - bad |  Biogeographical region |
|  Unknown | |

The map shows both Conservation Status and distribution using a 10 km x 10 km grid. Conservation status is assessed at biogeographical level. Therefore the representation in each grid cell is only illustrative.

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MS	Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Area	Structure & functions	Future prospects					
ES	ALP	FV	FV	FV	FV	FV		12.3	U1	Changed method
FI	ALP	FV	FV	FV	FV	FV		85.9	FV	
IT	ALP	U2	U2	U2	U2	U2	=	1.8	U2	Better data
BE	ATL	U2	U2	U1	U1	U2	+	0.6	U2	Genuine
DE	ATL	FV	U2	U2	U1	U2	=	3.0	U2	
DK	ATL	FV	U1	U1	U1	U1	x	1.4	U2	Changed method
ES	ATL	FV	XX	XX	U1	U1	=	7.9	XX	Changed method
FR	ATL	U2	U2	U2	U2	U2	=	44.5	U2	
IE	ATL	FV	FV	U2	U2	U2	-	33.6	U2	Genuine
NL	ATL	U2	U2	U2	U2	U2	-	1.4	U2	Genuine
UK	ATL	FV	FV	U1	U1	U1	+	7.7	U2+	Genuine
EE	BOR	FV	FV	U1	U1	U1	x	1.6	U2-	Changed method
FI	BOR	FV	FV	U1	FV	U1	+	90.4	U1	
SE	BOR	FV	FV	U1	U1	U1	-	8.1	U1-	
DE	CON	FV	FV	U1	U1	U1	=	5.7	U2	Changed method
DK	CON	U1	U1	U1	U1	U1	x	3.8	U2	Changed method
FR	CON	U2	U2	U2	U2	U2	-	60.0	U2	
IT	CON	U2	U2	XX	XX	U2	x	3.8		Changed method
PL	CON	FV	FV	U1	FV	U1	=	21.0	U1	
SE	CON	FV	FV	U1	U1	U1	-	5.7	U1-	
ES	MED	FV	XX	XX	U1	U1	-	77.1	XX	Changed method
PT	MED	XX	U1	U1	U1	U1	=	22.9	U1	

Knowing that not all changes in conservation status between the reporting periods were genuine, Member States were asked to give the reasons for changes in conservation status. Bulgaria and Romania only joined the EU in 2007 and Greece did not report for 2007-12 so no reason is given for change for these countries. Greek data shown above is from 2001-06.

Main pressures and threats reported by Member States

Member States were asked to report the 20 most important threats and pressures using an agreed hierarchical list which can be found on the [Article 17 Reference Portal](#). Pressures are activities which are currently having an impact on the habitats and threats are activities expected to have an impact in the near future. Pressures and threats were ranked in three classes 'high, medium and low importance'; the tables below only show threats and pressures classed as 'high', for some habitats there were less than ten threats or pressures reported as highly important.

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Ten most frequently reported 'highly important' pressures

Code	Activity	Frequency
H01	Pollution to surface waters	24
J02	Changes in water bodies conditions	18
H02	Pollution to groundwater	12
A02	Modification of cultivation practices	6
G01	Outdoor sports, leisure and recreational activities	6
H04	Air pollution, air-borne pollutants	6
K02	Vegetation succession/Biocenotic evolution	4
A04	Grazing by livestock	2
A08	Fertilisation in agriculture	2
C01	Mining and quarrying	2

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
H01	Pollution to surface waters	22
J02	Changes in water bodies conditions	17
H02	Pollution to groundwater	13
A08	Fertilisation in agriculture	7
H04	Air pollution, air-borne pollutants	7
E01	Urbanisation and human habitation	4
G01	Outdoor sports, leisure and recreational activities	4
I01	Invasive alien species	4
K02	Vegetation succession/Biocenotic evolution	4
A02	Modification of cultivation practices	2

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Proportion of population covered by the Natura 2000 network

Member States were asked to report the area of the habitat which is covered by the Natura 2000 network. The percentage of the habitat area covered by the network was estimated by comparing the area within the network and the total area in the biogeographical/marine region.

Percentage of coverage by Natura 2000 sites in biogeographical/marine region

	ALP	ATL	BOR	CON	MED
BE		94			
DE		100*		100	
DK		21		8	
EE			100		
ES	28	100*			100*
FI	87		18		
FR		9		100	
IE		17			
IT	100			100	
NL		75			
PL				100	
PT					x
SE			13	18	
UK		x			

See the endnotes for more informationⁱⁱ

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Most frequently reported conservation measures

Member States were asked to report up to 20 conservation measures being implemented for this habitat using an agreed list which can be found on the Article 17 Reference Portal. Member States were further requested to highlight up to five most important ('highly important') measures; the table below only shows measures classed as 'high', for many habitats there were less than ten measures reported as highly important.

Ten most frequently reported 'highly important' conservation measures

Code	Measure	Frequency
4.1	Restoring/improving water quality	19
6.1	Establish protected areas/sites	18
4.2	Restoring/improving the hydrological regime	12
6.3	Legal protection of habitats and species	12
2.2	Adapting crop production	7
7.4	Specific single species or species group management measures	5
2.1	Maintaining grasslands and other open habitats	4
3.2	Adapt forest management	4
4.0	Other wetland-related measures	4
6.2	Establishing wilderness areas/ allowing succession	4

This information is derived from the Member State national reports submitted to the European Commission under Article 17 of the Habitats Directive in 2013 and covering the period 2007-2012. More detailed information, including the MS reports, is available at:

<http://bd.eionet.europa.eu/article17/reports2012/habitat/summary/?group=Freshwater+habitats&period=3&subject=3110>

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i Assessment of conservation status at the European biogeographical level: Current Conservation Status (Current CS) shows the status for the reporting period 2007-2012, Previous Conservation Status (Previous CS) for the reporting period 2000-2006. Reason for change in conservation status between the reporting periods indicates whether the changes in the status were genuine or not genuine. Previous Conservation Status was not assessed for Steppic, Black Sea and Marine Black Sea regions. For these regions the Previous status is therefore considered as 'unknown'. The percentage of the habitat area occurring within the biogeographical/marine region (% in region) is calculated based on the area of GIS distribution.

ii Percentage of coverage by Natura 2000 sites in biogeographical/marine region: In some cases the population size within the Natura 2000 network has been estimated using a different methodology to the estimate of overall population size and this can lead to percentage covers greater than 100%. In such case the value has been given as 100% and highlighted with an asterisk (*). The value 'x' indicates that the Member State has not reported the habitat area and/or the coverage by Natura 2000. No information is available for Greece. The values are only provided for regions, in which the occurrence of the habitat has been reported by the Member States.