



## 3190 *Lakes of gypsum karst*

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<b>Habitat code</b>	3190
<b>Priority</b>	No
<b>Habitat group</b>	Freshwater habitats
<b>Regions</b>	Alpine, Boreal, Continental

These are small lakes in areas of karst developed over gypsum, usually with widely varying water levels, and with high concentrations of Calcium and Sulphate ions leading to the growth of sulphurous bacteria, often as colourful mats. This habitat was proposed for Annex I by Lithuania but has since been reported from neighbouring Latvia (also Boreal) and Germany (Alpine and Continental regions).

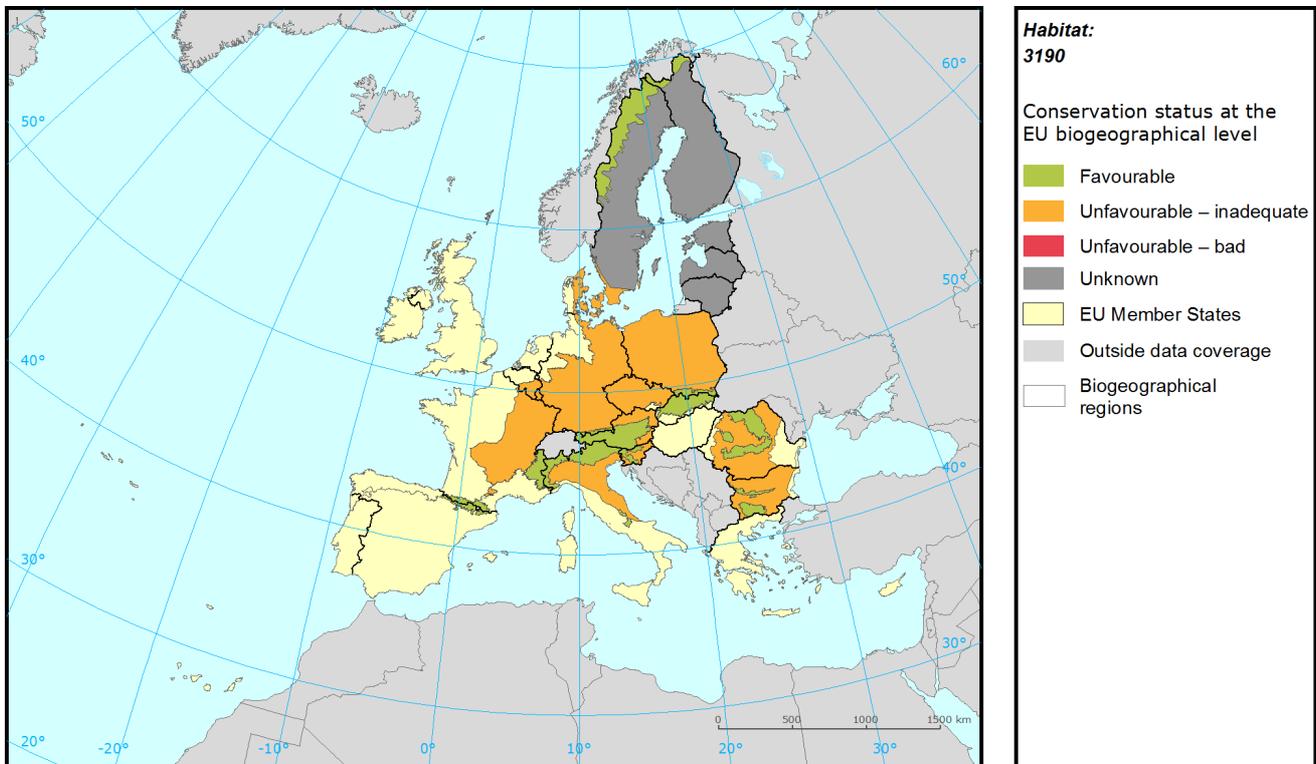
Assessed as Unknown in the Boreal region which has the largest proportion of habitat area, Favourable in the Alpine region and Unfavourable inadequate in the Continental. There have been no changes in Conservation Status since 2001-06 and the apparent change for the Continental region is due to a change in methods.

The most frequently reported threats and pressures noted as highly important are associated with pollution and changes to hydrology.

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Report under the Article 17 of the Habitats Directive

## 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	=	2	FV	
BOR	FV	FV	XX	XX	XX	x	63	XX	
CON	FV	FV	U1	U1	U1	=	35	U2	Not genuine

See the endnote for more information<sup>i</sup>

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## Assessment of conservation status at the Member State level



### Habitat: 3190

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					
DE ALP	FV	FV	FV	FV	FV		100.0	FV	
LT BOR	FV	FV	XX	FV	FV		44.4	FV	
LV BOR	FV	FV	XX	XX	XX		55.6	XX	
DE CON	FV	FV	U1	U1	U1	=	100.0	U2	Changed method

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.

### Ten most frequently reported 'highly important' pressures

Code	Activity	Frequency
H01	Pollution to surface waters	22
A08	Fertilisation in agriculture	11
B07	Other forestry activities	11
C01	Mining and quarrying	11
G01	Outdoor sports, leisure and recreational activities	11
H05	Soil pollution and solid waste (excl. discharges)	11
J02	Changes in water bodies conditions	11
K01	Abiotic natural processes	11

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## Ten most frequently reported 'highly important' threats

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C01	Mining and quarrying	11
G01	Outdoor sports, leisure and recreational activities	11
J02	Changes in water bodies conditions	11
K01	Abiotic natural processes	11
K02	Vegetation succession/Biocenotic evolution	11

## 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	BOR	CON
DE	100		50
LT		100	
LV		51	

See the endnotes for more information<sup>ii</sup>

## 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
6.0	Other spatial measures	33
6.1	Establish protected areas/sites	33
6.3	Legal protection of habitats and species	33

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/>

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[group=Freshwater+habitats&period=3&subject=3190](#)

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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.