



2140 *Decalcified fixed dunes with Empetrum nigrum*

Habitat code	2140
Priority	Yes
Habitat group	Dunes habitats
Regions	Atlantic, Boreal, Continental

Dunes with crowberry (*Empetrum nigrum*) are only found in northern Europe where they occur along the coasts of the Atlantic and Baltic. They often form the most inland part of the dune complex on leached, acidic soils. They are similar to 2150 Atlantic decalcified fixed dunes (*Calluno-Ulicetea*) occupying a similar place in dune systems but occurring further north, with several species characteristic of northern Europe. There is some doubt if the habitat occurs in Ireland. In some areas (e.g. Denmark and Scotland) the two habitats can sometimes be found together.

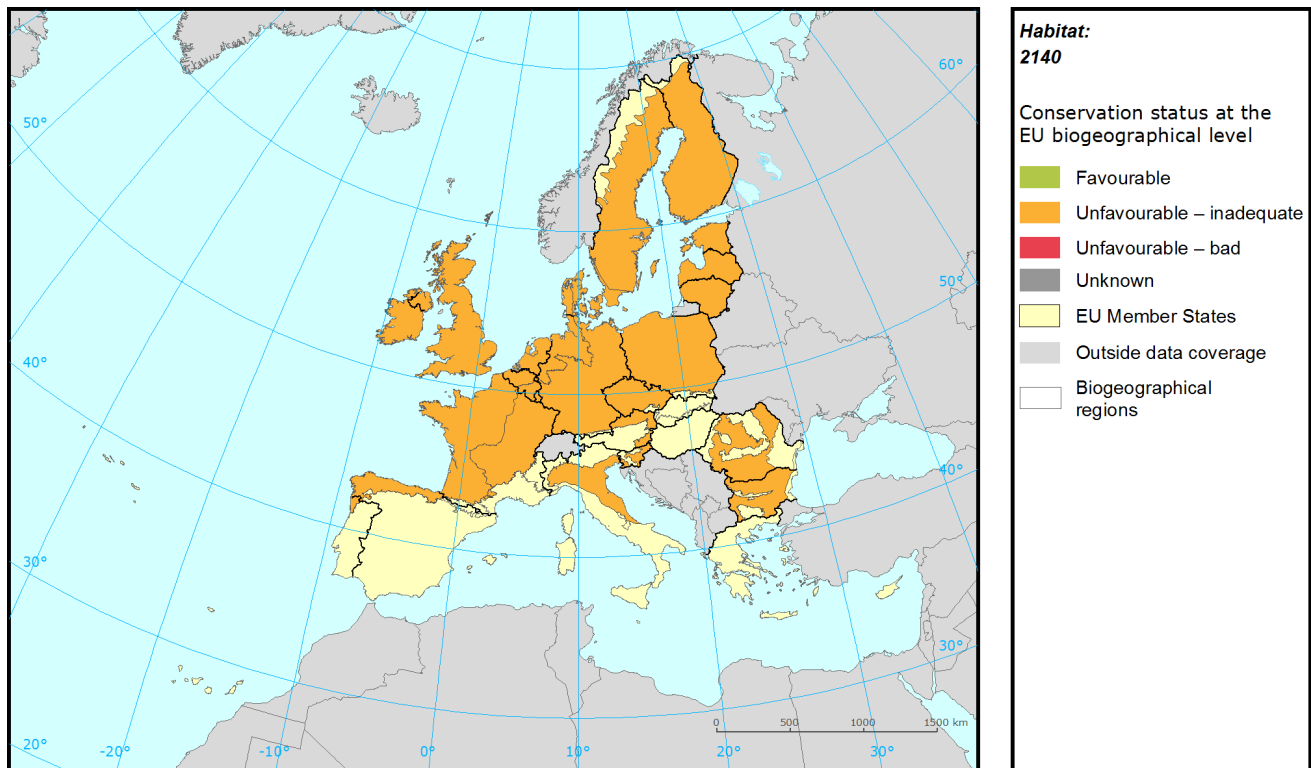
Assessed as 'Unfavourable-inadequate' (stable) in all three regions, due to the status of 'Structure and function' and 'Future prospects' with no change since 2001-06. However there is much variation between countries with Estonia and Boreal Sweden assessed as 'Favourable' while Lithuania, Continental Sweden and the United Kingdom are reported as 'unfavourable-bad'. Range is reported as 'favourable' everywhere except Finland. Although there has been no change in Conservation Status for any of the regions, there have been changes for countries, mostly due to better data and changed methods but Germany report a deterioration from Favourable to Unfavourable-inadequate for the Atlantic region while the United Kingdom report a deterioration from Unfavourable-inadequate to Unfavourable-bad, both as genuine changes.

Pressures reported as highly important include inappropriate grazing regimes, atmospheric pollution (often noted as Nitrogen), succession and related processes and invasive non-native species.

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the European biogeographical level



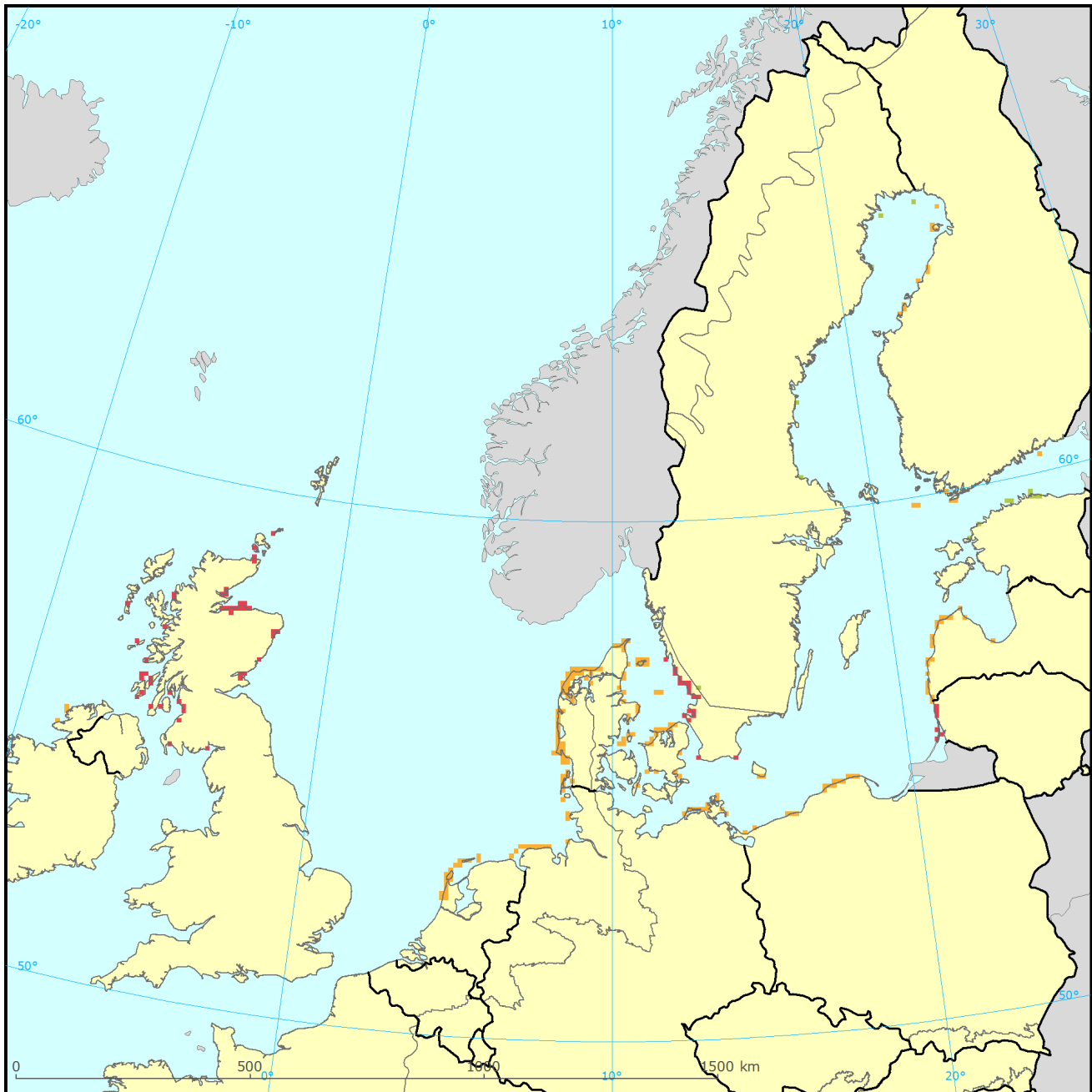
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Area	Structure & Functions	Future prospects					
ATL	FV	FV	U1	U1	U1	=	46	U1	
BOR	U1	U1	U1	U1	U1	=	20	U1	
CON	FV	FV	U1	U1	U1	=	34	U1	

See the endnote for more informationⁱ

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the Member State level



Habitat: 2140

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.

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

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	ATL	FV	FV	U1	U1	U1	-	13.4	FV	Genuine
DK	ATL	FV	FV	U1	U1	U1	=	33.9	U1	
IE	ATL	FV	FV	U1	U1	U1	=	2.4	U2	Better data
NL	ATL	FV	FV	U1	FV	U1	=	14.2	U1	
UK	ATL	FV	U1	U2	U2	U2	-	36.2	U1+	Genuine
EE	BOR	FV	FV	FV	FV	FV		14.0	XX	Better data
FI	BOR	U1	U1	U1	U1	U1	=	28.1	U1	
LT	BOR	FV	U1	U2	U2	U2	-	10.5	U2	Genuine
LV	BOR	FV	XX	U1	U1	U1	=	36.8	U1	
SE	BOR	FV	FV	FV	FV	FV		10.5	FV	
DE	CON	FV	FV	FV	U1	U1	x	11.6	U1	
DK	CON	FV	FV	U1	U1	U1	=	53.7	U1	
PL	CON	FV	U1	FV	U1	U1	=	15.8	U2	Better data
SE	CON	FV	U2	U2	U2	U2	=	18.9	U2-	Better data

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.

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

Ten most frequently reported 'highly important' pressures

Code	Activity	Frequency
I01	Invasive alien species	19
K02	Vegetation succession/Biocenotic evolution	19
A04	Grazing by livestock	15
H04	Air pollution, air-borne pollutants	15
J02	Changes in water bodies conditions	11
E01	Urbanisation and human habitation	7
B01	Afforestation	4
G05	Other human intrusions and disturbances	4
I02	Problematic native species	4
M01	Abiotic changes (climate change)	4

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
K02	Vegetation succession/Biocenotic evolution	23
H04	Air pollution, air-borne pollutants	19
A04	Grazing by livestock	15
I01	Invasive alien species	12
J02	Changes in water bodies conditions	8
M01	Abiotic changes (climate change)	8
B01	Afforestation	4
D01	Roads, railroads and paths	4
G05	Other human intrusions and disturbances	4
I02	Problematic native species	4

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

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

	ATL	BOR	CON
DE	95		100
DK	62		63
EE		100	
FI		86	
IE	100		
LT		100	
LV		95	
NL	100		
PL			50
SE		20	65
UK	100		

See the endnotes for more informationⁱⁱ

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
2.1	Maintaining grasslands and other open habitats	31
6.1	Establish protected areas/sites	25
6.3	Legal protection of habitats and species	13
7.4	Specific single species or species group management measures	13
6.0	Other spatial measures	6
6.2	Establishing wilderness areas/ allowing succession	6
6.4	Manage landscape features	6

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:

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

<http://bd.eionet.europa.eu/article17/reports2012/habitat/summary/?group=Dunes+habitats&period=3&subject=2140>

Habitat: 2140 *Decalcified fixed dunes with Empetrum nigrum*

Report under the Article 17 of the Habitats Directive

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.