

**European Community Directive
on the Conservation of Natural Habitats
and of Wild Fauna and Flora
(92/43/EEC)**

**Fourth Report by the United Kingdom
under Article 17**

on the implementation of the Directive
from January 2013 to December 2018

Supporting documentation for the
conservation status assessment for the habitat:

**H6130 - *Calaminarian* grasslands of the *Violetalia
calaminariae***

SCOTLAND

IMPORTANT NOTE - PLEASE READ

- The information in this document is a country-level contribution to the UK Report on the conservation status of this habitat, submitted to the European Commission as part of the 2019 UK Reporting under Article 17 of the EU Habitats Directive.
- The 2019 Article 17 UK Approach document provides details on how this supporting information was used to produce the UK Report.
- The UK Report on the conservation status of this habitat is provided in a separate document.
- The reporting fields and options used are aligned to those set out in the European Commission guidance.
- Explanatory notes (where provided) by the country are included at the end. These provide an audit trail of relevant supporting information.
- Some of the reporting fields have been left blank because either: (i) there was insufficient information to complete the field; (ii) completion of the field was not obligatory; and/or (iii) the field was only relevant at UK-level (sections 10 Future prospects and 11 Conclusions).
- For technical reasons, the country-level future trends for Range, Area covered by habitat and Structure and functions are only available in a separate spreadsheet that contains all the country-level supporting information.
- The country-level reporting information for all habitats and species is also available in spreadsheet format.

Visit the JNCC website, <https://jncc.gov.uk/article17>, for further information on UK Article 17 reporting.

Report on the main results of the surveillance under Article 17 for Annex I habitat types (Annex D)

NATIONAL LEVEL

1. General information

1.1 Member State	UK (Scotland information only)
1.2 Habitat code	6130 - Calaminarian grasslands of the <i>Violetalia calaminariae</i>

2. Maps

2.1 Year or period	2004-2017
2.3 Distribution map	Yes
2.3 Distribution map Method used	Complete survey or a statistically robust estimate
2.4 Additional maps	No

BIOGEOGRAPHICAL LEVEL

3. Biogeographical and marine regions

3.1 Biogeographical or marine region where the habitat occurs	Atlantic (ATL)
3.2 Sources of information	All known sites in Scotland are either designated SACs or SSSIs. SCM surveys and/or Sitechecks used for all reporting. A sitecheck or SCM visit has been carried out on all sites between 2012 and 2018. It is possible that a few fragments of habitat may occur on mine spoils, as are found in Wales but their presence in Scotland is unconfirmed. 2019 areas based on HABMoS measurements with some additional expert interpretation

4. Range

4.1 Surface area (in km ²)	
4.2 Short-term trend Period	2007-2018
4.3 Short-term trend Direction	Stable (0)
4.4 Short-term trend Magnitude	a) Minimum b) Maximum
4.5 Short-term trend Method used	Complete survey or a statistically robust estimate
4.6 Long-term trend Period	
4.7 Long-term trend Direction	
4.8 Long-term trend Magnitude	a) Minimum b) Maximum
4.9 Long-term trend Method used	
4.10 Favourable reference range	a) Area (km ²) b) Operator c) Unknown No d) Method
4.11 Change and reason for change in surface area of range	No change The change is mainly due to:
4.12 Additional information	No reported loss of sites since 2013 when habitat was last reported on

5. Area covered by habitat

5.1 Year or period	2012-2018
5.2 Surface area (in km ²)	a) Minimum b) Maximum c) Best single value 1.47
5.3 Type of estimate	Best estimate

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5.4 Surface area Method used	Based mainly on extrapolation from a limited amount of data		
5.5 Short-term trend Period	2007-2018		
5.6 Short-term trend Direction	Stable (0)		
5.7 Short-term trend Magnitude	a) Minimum 0	b) Maximum 0	c) Confidence interval
5.8 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data		
5.9 Long-term trend Period			
5.10 Long-term trend Direction			
5.11 Long-term trend Magnitude	a) Minimum	b) Maximum	c) Confidence interval
5.12 Long-term trend Method used			
5.13 Favourable reference area	a) Area (km ²) b) Operator c) Unknown No d) Method		
5.14 Change and reason for change in surface area of range	No change The change is mainly due to:		
5.15 Additional information	2013 reporting was based on survey of known sites. Range is limited by availability of suitable substrates and is unchanged since the previous round of reporting. Additional small sites on mine spoils may exist but the existence of these is unknown. 2019 reporting is based on HABMoS figures which intern are based on a range of existing surveys from across Scotland. The existence of H6130 has not been verified for this reporting at these locations.		

6. Structure and functions

6.1 Condition of habitat	a) Area in good condition (km ²)	Minimum 0.8	Maximum 0.8
	b) Area in not-good condition (km ²)	Minimum 0	Maximum 0
	c) Area where condition is not known (km ²)	Minimum 0.67	Maximum 0.67
6.2 Condition of habitat Method used	Based mainly on extrapolation from a limited amount of data		
6.3 Short-term trend of habitat area in good condition Period	2007-2018		
6.4 Short-term trend of habitat area in good condition Direction	Stable (0)		
6.5 Short-term trend of habitat area in good condition Method used	Based mainly on extrapolation from a limited amount of data		
6.6 Typical species	Has the list of typical species changed in comparison to the previous reporting period? No		
6.7 Typical species Method used			
6.8 Additional information	All known sites now assessed as favourable maintained through SCM . The one site, Pinbain Burn to Cairn Hill previously assesed as Unfavourable is now to have recovered when a Sitecheck was carried out in 2017		

7. Main pressures and threats

7.1 Characterisation of pressures/threats

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Pressure	Ranking
Extraction of minerals (e.g. rock, metal ores, gravel, sand, shell) (C01)	H
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	H
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Construction or modification of commercial / industrial infrastructure in existing commercial / industrial areas (F04)	H

Threat	Ranking
Extraction of minerals (e.g. rock, metal ores, gravel, sand, shell) (C01)	H
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	H
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Construction or modification of commercial / industrial infrastructure in existing commercial / industrial areas (F04)	H

7.2 Sources of information

Temporary damage from construction

7.3 Additional information

Agricultural improvement of site - SCM

SCM reports construction of water works on 1 part of a site.

8. Conservation measures

8.1 Status of measures	a) Are measures needed? Yes
	b) Indicate the status of measures Measures identified and taken
8.2 Main purpose of the measures taken	Restore the habitat of the species (related to 'Habitat for the species')
8.3 Location of the measures taken	Only inside Natura 2000
8.4 Response to the measures	Short-term results (within the current reporting period, 2013-2018)
8.5 List of main conservation measures	

Maintain existing extensive agricultural practices and agricultural landscape features (CA03)

Management, control or eradication of other invasive alien species (CI03)

8.6 Additional information	Slight trampling by herbivores was noted on Rum but not significant so no new measures required
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9. Future prospects

9.1 Future prospects of parameters	a) Range b) Area c) Structure and functions
9.2 Additional information	

10. Conclusions

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10.1. Range

10.2. Area

10.3. Specific structure and functions (incl. typical species)

10.4. Future prospects

10.5 Overall assessment of Conservation Status

10.6 Overall trend in Conservation Status

10.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

No change

The change is mainly due to:

b) Overall trend in conservation status

No change

The change is mainly due to:

10.8 Additional information

11. Natura 2000 (pSCIs, SCIs, SACs) coverage for Annex I habitat types

11.1 Surface area of the habitat type inside the pSCIs, SCIs and SACs network (in km² in biogeographical/marine region)

a) Minimum 0.23

b) Maximum 0.23

c) Best single value 0.23

11.2 Type of estimate

Best estimate

11.3 Surface area of the habitat type inside the network Method used

Based mainly on extrapolation from a limited amount of data

11.4 Short-term trend of habitat area in good condition within the network Direction

Stable (0)

11.5 Short-term trend of habitat area in good condition within network Method used

Complete survey or a statistically robust estimate

11.6 Additional information

23 ha of the two vegetation types Calaminarian grasslands and OV37 are currently recorded within SACs in the SNH Uplands Site Documentation.. However, Calaminarian grassland has also been recorded as CG10, particularly where sites were mapped before the Open Vegetation (OV) communities of the NVC were published. Expert opinion in 2006 assessed the total area of the habitat at 80 ha and this is believed to be mostly on designated sites, most of which are SACs. Therefore the current extent on SACs is estimated at up to 80 ha.

12. Complementary information

12.1 Justification of % thresholds for trends

12.2 Other relevant information

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Distribution Map

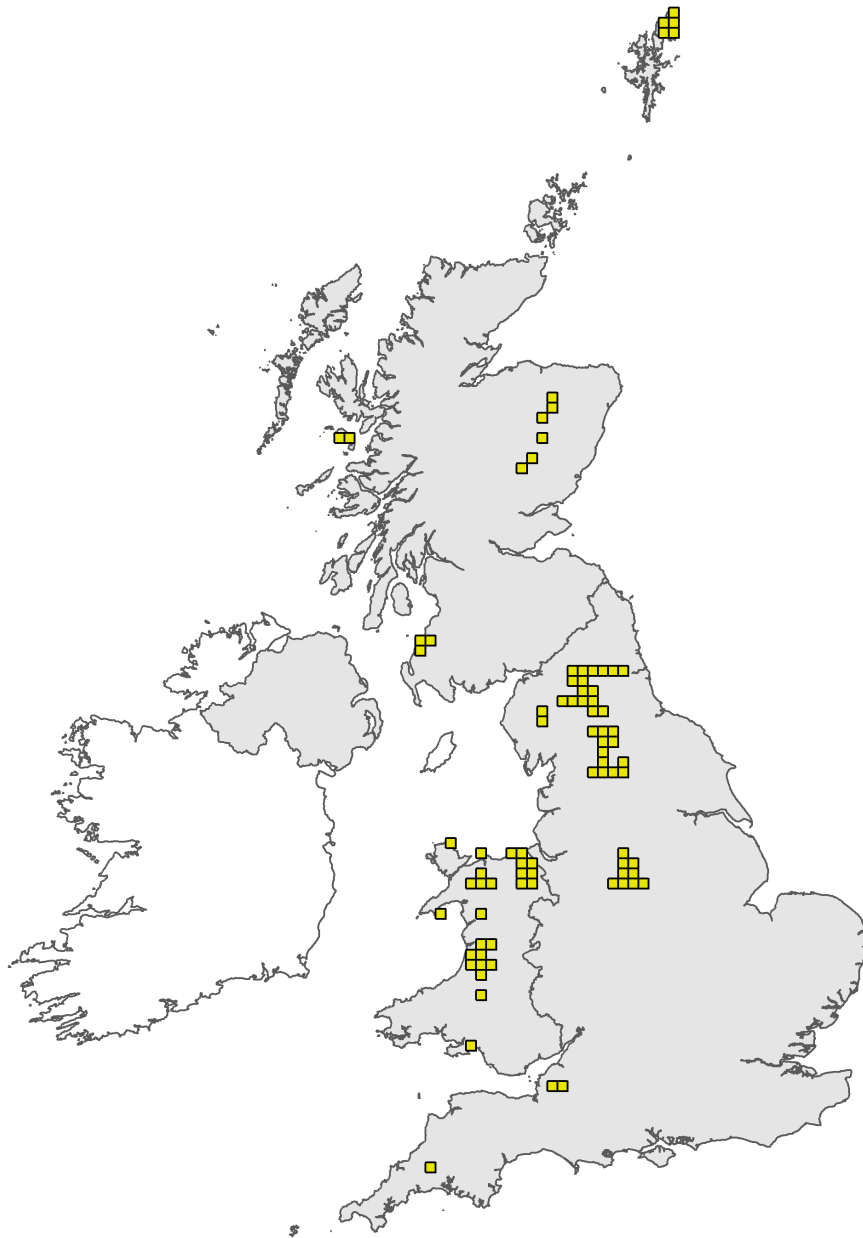


Figure 1: UK distribution map for H6130 - *Calaminarian* grasslands of the *Violetalia calaminariae*. Coastline boundary derived from the Oil and Gas Authority's OGA and Lloyd's Register SNS Regional Geological Maps (Open Source). Open Government Licence v3 (OGL). Contains data © 2017 Oil and Gas Authority.

The 10km grid square distribution map is based on available habitat records which are considered to be representative of the distribution within the current reporting period. For further details see the 2019 Article17 UK Approach document.

Range Map

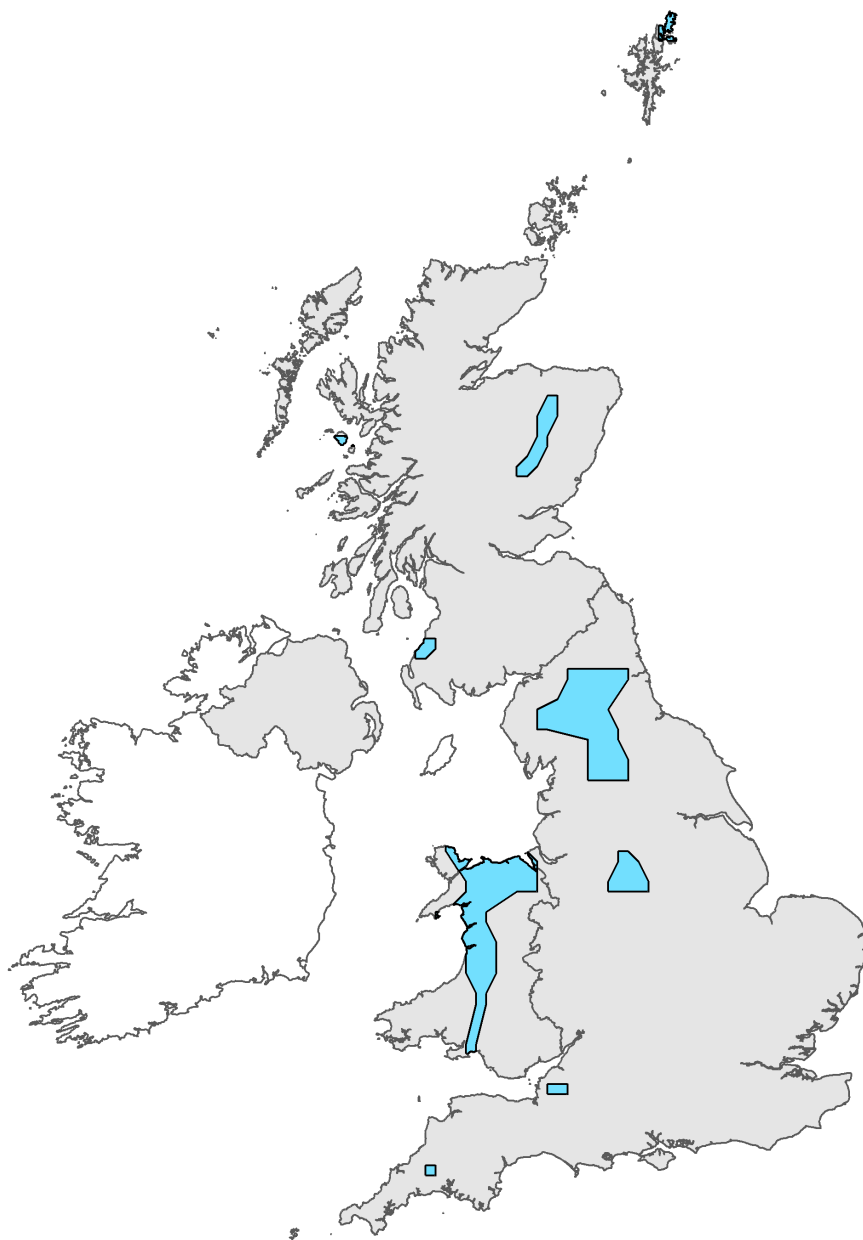


Figure 2: UK range map for H6130 - *Calaminarian* grasslands of the *Violetalia calaminariae*. Coastline boundary derived from the Oil and Gas Authority's OGA and Lloyd's Register SNS Regional Geological Maps (Open Source). Open Government Licence v3 (OGL). Contains data © 2017 Oil and Gas Authority.

The range map has been produced by applying a bespoke range mapping tool for Article 17 reporting (produced by JNCC) to the 10km grid square distribution map presented in Figure 1. The alpha value for this habitat was 25km. For further details see the 2019 Article 17 UK Approach document.