

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

**Second Report by the United Kingdom under  
Article 17  
on the implementation of the Directive  
from January 2001 to December 2006**


**Conservation status assessment for  
Species:**

**S1393 - *Hamatocaulis (Drepanocladus) vernicosus*  
- Slender green feather-moss**

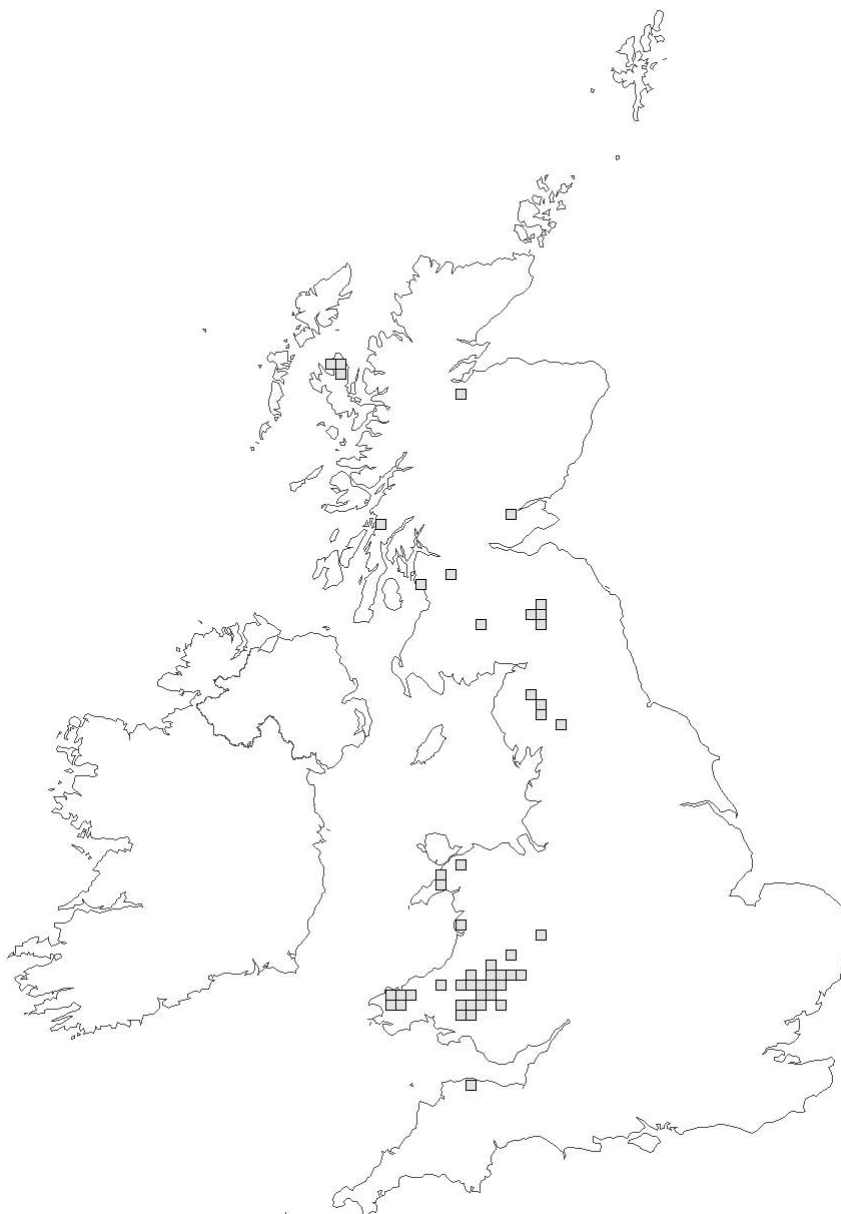
The information in this assessment corresponds to the "species fact sheet" submitted by the UK to the European Union in February 2008 (second and final submission). Please note that this is a section of the UK's report. For the complete report visit <http://www.jncc.gov.uk/article17>

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**Species Name: *Hamatocaulis (Drepanocladus) vernicosus***

| <b>1. National level</b>                                |   |
|---|---|
| Species Code  | S1393   |
| Member State  | United Kingdom  |
| Biogeographic regions concerned within the Member state | ATL   |
| 1.1 Range map   |  |

## 1.2 Distribution map



## 2. Biogeographic level

### 2.1 Biogeographic region

ATL

### 2.2 Published sources and/or websites

BOSANQUET, S.D.S., HALE, A.D., MOTLEY, G.S. AND WOODS, R.G. 2006. Recent work on *Hamatocaulis vernicosus* in mid and south Wales. *Field Bryology*, 90:228.

CHURCH, J.M., HODGETTS, N.G., PRESTON, C.D. & STEWART, N.F. 2001. British Red Data Books mosses and liverworts. Joint Nature Conservation Committee.

Map Data Source

Threatened Bryophyte Database, British Bryological Society (via the NBN Gateway)

### 2.3 Range of species in the biogeographic region or marine region

|   |  |                              |         |    |
|---|--|------------------------------|---------|----|
| 2.3.1 Surface range of the species (sq km)                                      | 8729   |                              |         |    |
| 2.3.2 Date of range determination   | 1990-2006  |                              |         |    |
| 2.3.3 Quality of data concerning range  | Good   |                              |         |    |
| 2.3.4 Range trend   | Stable (=)   |                              |         |    |
| 2.3.5 Range trend magnitude (%)   | Not applicable   |                              |         |    |
| 2.3.6 Range trend period  | 1989-2006  |                              |         |    |
| 2.3.7 Reasons for reported trend  | Not applicable   |                              |         |    |
| <b>2.4 Population</b>   |  |                              |         |    |
| 2.4.1 Population size estimation  | Minimum  | 49                           | Maximum | 49 |
|   | Units  | Other Occupied 10-km squares |         |    |
| 2.4.2 Date of population estimation   | 1990-2006  |                              |         |    |
| 2.4.3 Method used for population estimation                                     | 3 - From comprehensive inventory   |                              |         |    |
| 2.4.4 Quality of population data  | Moderate   |                              |         |    |
| 2.4.5 Population trend  | Unknown (X)  |                              |         |    |
| 2.4.6 Population trend magnitude (%)  | Not applicable   |                              |         |    |
| 2.4.7 Population trend period   | 1994-2006  |                              |         |    |
| 2.4.8 Reasons for reported trend  | Not applicable   |                              |         |    |
| 2.4.9 Justification of % thresholds for trends (optional)                       | Not applicable   |                              |         |    |
| 2.4.10 Main pressures   | 120 - Fertilisation; 141 - Abandonment of pastoral systems; 162 - Artificial planting; 701 - water pollution; 730 - Military manouvres; 810 - Drainage; 952 - eutrophication; 953 - acidification;   |                              |         |    |
| 2.4.11 Threats  | 120 - Fertilisation; 141 - Abandonment of pastoral systems; 162 - Artificial planting; 701 - water pollution; 730 - Military manouvres; 810 - Drainage; 952 - eutrophication; 953 - acidification;   |                              |         |    |
| <b>2.5 Habitat for the species in the biogeographic region or marine region</b> |  |                              |         |    |
| 2.5 Habitats for the species  | A plant of neutral flushes and fens, often with <i>Calliergonella cuspidata</i> , <i>Sphagnum contortum</i> and <i>Warnstorfia exannulata</i> . It particularly likes domed springheads, where alkaline water breaks through an acid peatland, or areas where alkaline flushes spread on to acid flushed ground. Although more frequent in the uplands, it does not reach very high altitudes, generally below 450 m |                              |         |    |
| 2.5.2 Area estimation (sq km)   | Unknown  |                              |         |    |
| 2.5.3 Date of estimation  | 05/2007  |                              |         |    |
| 2.5.4 Quality of data   | Poor   |                              |         |    |
| 2.5.5 Trend of the habitat  | Stable (=)   |                              |         |    |
| 2.5.6 Trend period  | 1994-2006  |                              |         |    |

|   |  |
|---|--|
| 2.5.7 Reasons for reported trend  | 3 - Direct human influence; 4 - Indirect anthropo or zoogenic influence; |
| <b>2.6 Future prospects</b>   |  |
| 2.6 Future prospects for the species  | Good prospects_Species expected to survive and prosper                   |
| <b>2.7 Complementary information</b>  |  |
| 2.7.1 Favourable reference range (sq km)  | 8729   |
| 2.7.2 Favourable reference population   | 49   |
| 2.7.3 Suitable Habitat for the species  | Unknown  |
| 2.7.4 Other relevant information  |  |
| <b>2.8 Conclusions</b><br><i>(assessment of conservation status at end of reporting period)</i> |  |
| (2.3) Range   | (FV) - Favourable  |
| (2.4) Population  | (FV) - Favourable  |
| (2.5) Habitat for the species   | (FV) - Favourable  |
| (2.6) Future prospects  | (FV) - Favourable  |
| Overall assessment  | (FV) - Favourable  |