

**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:**

**S1386 - *Buxbaumia viridis* - Green shield-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>

Please cite as: Joint Nature Conservation Committee. 2007. *Second Report by the UK under Article 17 on the implementation of the Habitats Directive from January 2001 to December 2006*. Peterborough: JNCC. Available from: [www.jncc.gov.uk/article17](http://www.jncc.gov.uk/article17)

**Species Name: *Buxbaumia viridis***

<b>1. National level</b>	
Species Code	S1386
Member State	United Kingdom
Biogeographic regions concerned within the Member state	ATL
1.1 Range map	 A map of the United Kingdom showing the distribution of <i>Buxbaumia viridis</i> . The map includes the main islands of Great Britain and Ireland, as well as the Shetland Islands. A shaded grey area is located in the Scottish Highlands, indicating the range of the species. The rest of the map is unshaded.

1.2 Distribution map	
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**2. Biogeographic level**

2.1 Biogeographic region	ATL
2.2 Published sources and/or websites	<p>ROTHERO, G. Species Dossier: Greenshield moss <i>Buxbaumia viridis</i>. 2nd Edition Scottish Natural Heritage.</p> <p>Map Data Sources</p> <p>Threatened Bryophyte Database, British Bryological Society (via the NBN Gateway); SNH Site Condition Monitoring; British Bryological Society survey.</p>

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

2.3.1 Surface range of the species (sq km)	1440
2.3.2 Date of range determination	2006-2007

2.3.3 Quality of data concerning range	Moderate			
2.3.4 Range trend	Stable (=)			
2.3.5 Range trend magnitude (%)	Not applicable			
2.3.6 Range trend period	1999-2006			
2.3.7 Reasons for reported trend	Not applicable			
<b>2.4 Population</b>				
2.4.1 Population size estimation	Minimum	88	Maximum	Unknown
	Units	Other		
2.4.2 Date of population estimation	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	Stable (=)			
2.4.6 Population trend magnitude (%)	Not applicable			
2.4.7 Population trend period	2000-2006			
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	166 - Removal of dead and dying trees; 170 - Animal breeding; 944 - storm, cyclone; 954 - invasion by a species; 971 - competition;			
2.4.11 Threats	166 - Removal of dead and dying trees; 170 - Animal breeding; 944 - storm, cyclone; 954 - invasion by a species; 971 - competition;			
<b>2.5 Habitat for the species in the biogeographic region or marine region</b>				
2.5 Habitats for the species	<i>B. viridis</i> has very specific habitat requirements in the UK. It is associated with Caledonian pine forest. However the principal requirement is for the microhabitat; the necessary microhabitat is 30-60 year old decaying logs in shady/humid microclimate. There does not appear to be particular substrate specificity with regard to the log, with records from decaying birch, alder and pine.			
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	1986-2006			
2.5.7 Reasons for reported trend	Not applicable			
<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)	1440
2.7.2 Favourable reference population	100
2.7.3 Suitable Habitat for the species	Unknown
2.7.4 Other relevant information	
<b>2.8 Conclusions</b> <i>(assessment of conservation status at end of reporting period)</i>	
(2.3) Range	(FV) - Favourable
(2.4) Population	(U1) - Inadequate
(2.5) Habitat for the species	(FV) - Favourable
(2.6) Future prospects	(U1+) - Inadequate but improving
Overall assessment	(U1+) - Inadequate but improving