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:

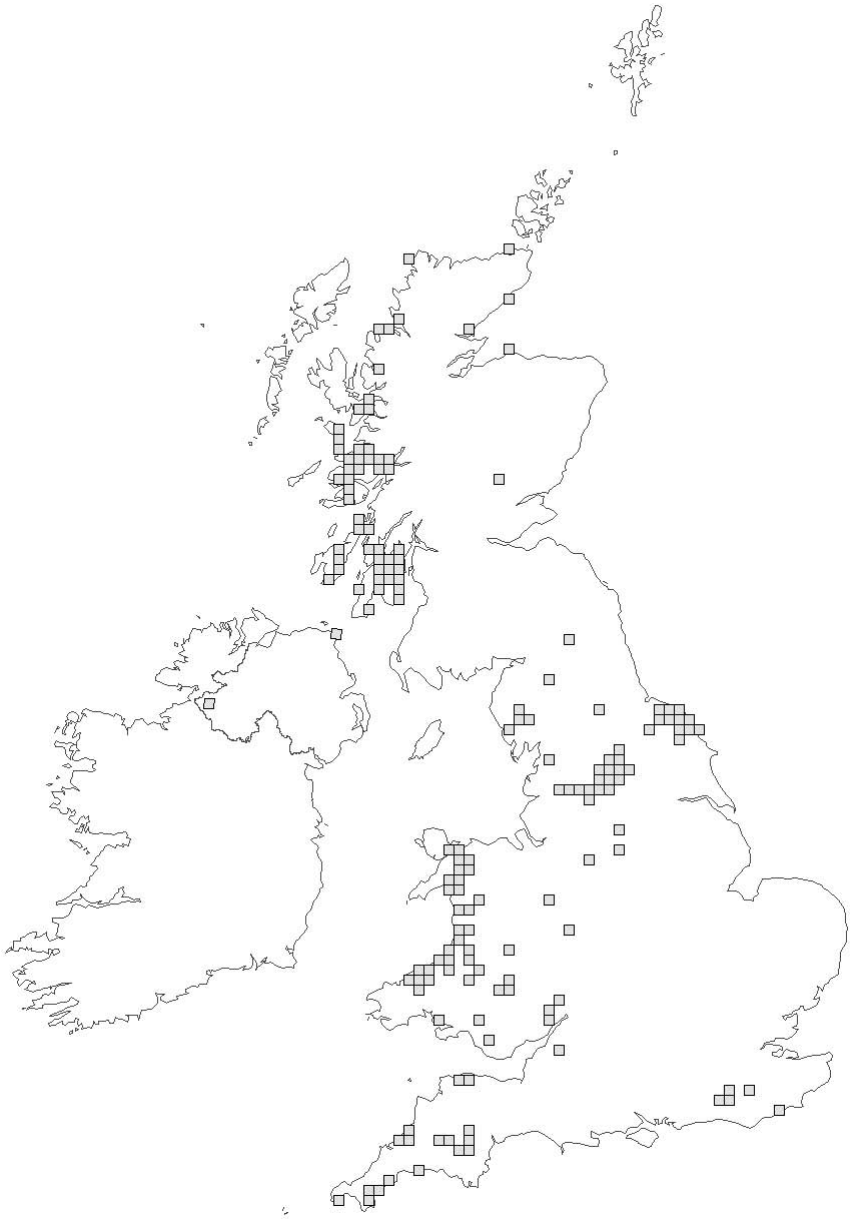
S1421 - *Trichomanes speciosum* - Killarney fern

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

Species Name: *Trichomanes speciosum*

1. National level	
Species Code	S1421
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	PRESTON, C.D., PEARMAN, D.A. & DINES, T.D. 2002. New Atlas of the British & Irish Flora. Oxford University Press. Map Data Source Vascular Plant Database, Botanical Society of the British Isles (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)	32249
2.3.2 Date of range determination	1987-1999
2.3.3 Quality of data concerning range	Moderate

2.3.4 Range trend	Unknown (X)			
2.3.5 Range trend magnitude (%)	Not applicable			
2.3.6 Range trend period	1994-2006			
2.3.7 Reasons for reported trend	Not applicable			
2.4 Population				
2.4.1 Population size estimation	Minimum	162	Maximum	162
	Units	Other Occupied 10-km squares		
2.4.2 Date of population estimation	1987-1999			
2.4.3 Method used for population estimation	2 - Extrapolation from surveys of part of the population			
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	1995-2006			
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	164 - Forestry clearance; 165 - Removal of undergrowth; 250 - Taking / Removal of flora, general; 251 - pillaging of floristic stations; 850 - Modification of hydrographic functioning, general;			
2.4.11 Threats	164 - Forestry clearance; 165 - Removal of undergrowth; 250 - Taking / Removal of flora, general; 251 - pillaging of floristic stations; 850 - Modification of hydrographic functioning, general;			
2.5 Habitat for the species in the biogeographic region or marine region				
2.5 Habitats for the species	Preston et al. (2002) states: “The sporophyte occurs only in constantly damp, shaded localities, usually on acidic, but often base-flushed rocks, rarely on damp humic banks, and exceptionally as an epiphyte.” “The gametophyte of T. speciosum grows deep in clefts, crevices and natural rock hollows on a range of acidic to neutral rocks. Such sites are dark (less than 1% ambient light) and are often humid, being located on sea-cliffs, river-cliffs or streamsides, or are kept damp through soil capillary action."			
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	Not applicable			
2.6 Future prospects				
2.6 Future prospects for the species	Good prospects_Species expected to survive and prosper			
2.7 Complementary information				

2.7.1 Favourable reference range (sq km)	32249
2.7.2 Favourable reference population	162
2.7.3 Suitable Habitat for the species	Unknown
2.7.4 Other relevant information	
2.8 Conclusions ***(assessment of conservation status at end of reporting period)***	
(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