

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

Supporting documentation for the  
Third Report by the United Kingdom under  
Article 17

on the implementation of the Directive  
from January 2007 to December 2012  
Conservation status assessment for

Species:

S1166 - Great crested newt (*Triturus cristatus*)

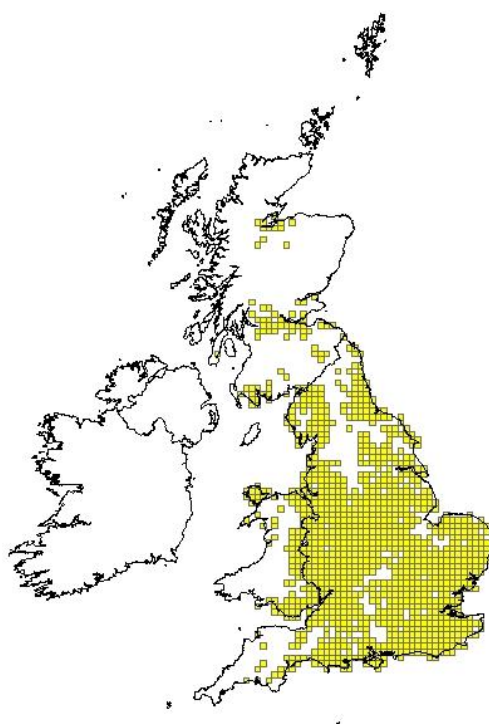
**IMPORTANT NOTE – PLEASE READ**

- The country-level reporting information contained in this document is a contribution to the Article 17 UK report for the habitat/species concerned.
- It has been provided by **Scottish Natural Heritage** and refers only to the state of the habitat/species in **Scotland** - it does not constitute an assessment for the whole of the UK.
- The Article 17 UK Approach document provides details on how this information has been used and, combined with information supplied by other Statutory Nature Conservation Bodies
- The format of the document is closely aligned to that set out by the European Commission for Member State reporting – as a result, some of the fields are not applicable at a country-level and have deliberately been left blank – in addition, the content of most fields is constrained by the EC reporting categories.

## Reporting format on the 'main results of the surveillance under Article 11' for Annex II, IV & V species

<i>Field name</i>	<i>Brief explanations</i>	
<b>0.2 Species</b>	<b>0.2.1 Species code</b>	<b>S1166</b>
	<b>0.2.2 Species scientific name</b>	<b><i>Triturus cristatus</i></b>
	<b>0.2.3 Alternative species scientific name</b> Optional	
	<b>0.2.4 Common name</b> Optional	<b>great crested newt/warty newt</b>

<b>1.1 Maps</b>			
<b>1.1.1 Distribution map</b>		<b>Sensitive</b>	<b>False</b>



<b>1.1.2 Method used - map</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b>
	Comprehensive data not available for this widespread species
<b>1.1.3 Year or period</b>	<b>1976-2012</b>
	1976-2012 used as 36 year period comparable to previous reporting round. Data not sufficiently robust for period 2007-2012 due to lack of survey effort/lack of available data from LRCs or consultants.
<b>1.1.4 Additional distribution map</b>	<b>False</b>

<b>1.1.5 Range map</b>	

<b>2.1 Biogeographical region &amp; marine regions</b>	<b>ATL</b>
<b>2.2 Published sources</b>	<p><b>"Alexander, L. 1997. National survey for the great crested newt <i>Triturus cristatus</i>. SWT Environmental Services - Report of 1996 survey - Contract RASD/009/97 DASB</b></p> <p><b>Bates, M.A. &amp; Hutcheon, B. (1999) Assessment of the status of great crested newt <i>Triturus cristatus</i> in Scottish pond clusters - HEL - report - contract R/PA1/BAT/99/80</b></p> <p><b>Colgate S. (2010) Site condition monitoring of amphibians on designated sites in Dumfries and Galloway 2009 – 2010.: Stuart Colgate Associates</b></p> <p><b>Inger et al. (2004) Assessment of the status of the great crested newt <i>Triturus cristatus</i> within the Scottish Natural Heritage East Highland Area. Heritage Environmental Ltd - final report 2004</b></p> <p><b>Knowles et al. (2002) Assessment of the status of the great crested newt <i>Triturus cristatus</i> within the Scottish Natural Heritage East Highland Area. Heritage Environmental - final report 2002</b></p> <p><b>Leach &amp; Lumsden (2003) Survey for SNH of the status of great crested newts &amp; other amphibians at Burrow Head, D&amp;G – Report</b></p> <p><b>NBN</b></p> <p><b>Wilkinson, J.W., Arnell, A., Driver, D. &amp; Driver, B. (2012) Elaborating the Distribution of the Great Crested Newt in Scotland (2010 – 2011). Scottish Natural Heritage Commissioned Report No. - SNH use only</b></p> <p><b>Scottish Natural Heritage Licensing Returns Dataset – (Internal dataset)"</b></p>

<b>2.3 Range</b>	
<b>2.3.1 Surface area Range</b>	
<b>2.3.2 Method used Surface area of Range</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b>
	put in same as 112

<b>2.3.3 Short-term trend Period</b>		
<b>2.3.4 Short term trend Trend direction</b>		
<b>2.3.5 Short-term trend Magnitude</b>	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
<b>2.3.6 Long-term trend Period</b>		
<b>2.3.7 Long-term trend Trend direction</b>		
<b>2.3.8 Long-term trend Magnitude</b>  Optional	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
<b>2.3.9 Favourable reference range</b>	<b>a) Value in km<sup>2</sup></b>	
	<b>b) Operator for FRR</b>	
	<b>c) FRR is unknown (indicated by "true")</b>	False
<b>2.3.10 Reason for change</b> Is the difference between the reported value in 2.3.1 and the previous reporting round	<b>a) Genuine change?</b>	False

mainly due to...	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>

<b>2.4 Population</b>		
<b>2.4.1 Population size estimation</b> (using individuals or agreed exceptions where possible)	<b>a) Unit</b>	
	<b>b) Minimum</b>	
	<b>c) Maximum</b>	
<b>2.4.2 Population size estimation</b> (using population unit other than individuals) Optional ( <i>if 2.4.1 filled in</i> )	<b>a) Unit</b>	<b>number of localities</b>
	<b>b) Minimum</b>	<b>1512</b>
	<b>c) Maximum</b>	<b>1512</b>
<b>2.4.3 Additional information on population estimates / conversion</b> Optional	<b>a) Definition of "locality"</b>	<b>Occupied ponds</b>
	<b>b) Method to convert data</b>	
	<b>c) Problems encountered to provide population size estimation</b>	
<b>2.4.4 Year or period</b>	<b>1985-2011</b> as before	
<b>2.4.5 Method used Population size</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b> as before NE rport 080	
<b>2.4.6 Short-term trend Period</b>	as before- no short term data available	
<b>2.4.7 Short-term trend</b>	<b>unknown</b>	

<b>Trend direction</b>	data not available to base assessment on	
<b>2.4.8 Short-term trend Magnitude</b>	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
	<b>c) Confidence interval</b>	
<b>2.4.9 Short-term trend Method used</b>	<b>Absent data</b> expert opinion is that data is not robust enough on which to base short term trend changes	
<b>2.4.10 Long-term trend – Period</b>	as before 76-12	
<b>2.4.11 Long-term trend Trend direction</b>	<b>unknown</b>	
	not robust	
<b>2.4.12 Long-term trend Magnitude</b> Optional	<b>a) Minimum</b>	
	<b>b) Maximum</b>	
	<b>c) Confidence interval</b>	
<b>2.4.13 Long term trend Method used</b>	<b>0</b>	
	0- data cant tell us	
<b>2.4.14 Favourable reference population</b>	<b>a) Number of individuals/agreed exceptions/other units</b>	
	<b>b) Operator</b>	

	<b>c) FRP is unknown indicated by "true"</b>	<b>False</b>
<b>2.4.15 Reason for change</b> Is the difference between the value reported at 2.4.1 or 2.4.2 and the previous reporting round mainly due to:	<b>d) Method used to set FRP</b>	
	<b>a) Genuine change?</b>	<b>False</b>
	<b>b) Improved knowledge/more accurate data?</b>	<b>False</b>
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>

<b>2.5 Habitat for the species</b>	
<b>2.5.1 Area estimation</b>	<b>425</b> ne080 derived from estimates page 19  It is unknown whether the amount of habitat in the UK is sufficient to support a viable population of the species.
<b>2.5.2 Year or period</b>	<b>1985-2011</b>
<b>2.5.3 Method used Habitat for the species</b>	<b>Estimate based on partial data with some extrapolation and/or modelling</b> ne080
<b>2.5.4 Quality of the habitat</b>	<b>a) Habitat quality</b> <b>Unknown</b>
	<b>b) Assessment method</b>
<b>2.5.5 Short-term trend Period</b>	
<b>2.5.6 Short-term trend Trend direction</b>	<b>unknown</b>
<b>2.5.7 Long-term trend Period</b>	

<b>2.5.8 Long-term trend</b>	<b>unknown</b>	
<b>Trend direction</b>		
<b>2.5.9 Area of suitable habitat for the species</b>	<b>a) Value in km<sup>2</sup></b>	<b>713</b>
	<b>b) Absence of data indicated as '0'</b>	
<b>2.5.10 Reason for change</b> Is the difference between the value reported at 2.5.1 and the previous reporting round mainly due to	<b>a) Genuine change?</b>	<b>False</b>
	<b>b) Improved knowledge/more accurate data?</b>	<b>True</b>
	<b>c) Use of different method (e.g. "Range tool")?</b>	<b>False</b>

<b>2.6 Main pressures</b>		
<b>a) Pressure</b>	<b>b) Ranking</b>	<b>c) Pollution qualifier</b>
	H = high importance M = medium importance L = low importance	
I01: invasive non-native species		
C01: Mining and quarrying	M	
E01: Urbanised areas, human habitation	M	
E02: Industrial or commercial areas	M	
K02: Biocenotic evolution, succession	M	
A02: modification of cultivation practices	L	
A07: use of biocides, hormones and chemicals	L	
B01: forest planting on open ground	L	
B02: Forest and Plantation management & use	L	
B04: use of biocides, hormones and chemicals (forestry)	L	
C02: Exploration and extraction of oil or gas	L	
D01: Roads, paths and railroads	L	
E03: Discharges	L	



F01: Marine and Freshwater Aquaculture	L	
H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	L	
K03: Interspecific faunal relations	L	
M01: Changes in abiotic conditions	L	
M02: Changes in biotic conditions	L	

<b>2.6.1 Method used – Pressures</b>	<b>mainly based on expert judgement and other data</b>
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<b>2.7 Threats</b>		
<b>a) Threat</b>	<b>b) Ranking</b>	<b>c) Pollution qualifier</b>
	H = high importance M = medium importance L = low importance	
C01: Mining and quarrying	M	
E01: Urbanised areas, human habitation	M	
E02: Industrial or commercial areas	M	
K02: Biocenotic evolution, succession	M	
A02: modification of cultivation practices	L	
A07: use of biocides, hormones and chemicals	L	
A10: Restructuring agricultural land holding	L	
B02: Forest and Plantation management & use	L	
B04: use of biocides, hormones and chemicals (forestry)	L	
C02: Exploration and extraction of oil or gas	L	
C03: Renewable abiotic energy use	L	

D01: Roads, paths and railroads	L	
D02: Utility and service lines	L	
E06: Other urbanisation, industrial and similar activities	L	
F01: Marine and Freshwater Aquaculture	L	
H01: Pollution to surface waters (limnic & terrestrial, marine & brackish)	L	
I01: invasive non-native species	L	
J02: human induced changes in hydraulic conditions	L	
M01: Changes in abiotic conditions	L	
M02: Changes in biotic conditions	L	

<b>2.7.1 Method used – Threats</b>	<b>expert opinion</b>

<b>2.8 Complementary information</b>	
<b>2.8.1 Justification of % thresholds for trends</b>	
<b>2.8.2 Other relevant information</b>	
<b>2.8.3 Trans-boundary assessment</b>	

<b>2.9 Conclusions (<i>assessment of conservation status at end of reporting period</i>)</b>
Please refer to the United Kingdom assessment for this species.

### **3 Natura 2000 coverage & conservation measures - Annex II species**

*(only applies to species listed under Annex II of the Directive)*

3.1 Population	
<b>3.1.1 Population size</b>  Estimation of population size included in the SAC network	<b>a) Unit</b> <b>number of localities</b>
	As at 2.4 - occupied ponds
	<b>b) Minimum</b> <b>25</b>
	All three GCN SACs were monitored for SNH's 2nd cycle of SCM in 2009/2010 giving accurate counts of occupied ponds
	<b>c) Maximum</b> <b>25</b>
<b>3.1.2 Method used</b>	<b>Complete survey/Complete survey or a statistically robust estimate</b>
<b>3.1.3 Trend of population size within the network</b> (short-term trend)	<b>stable</b>

3.2 Conservation measures														
Conservation measures taken (i.e. already being implemented) within the reporting period and provided information about their importance, location and evaluation.														
3.2.1 Measure	3.2.2 Type					3.2.3 Ranking  H = high importance M = medium importance L = low importance	3.2.4 Location  where the measure is PRIMARILY applied			3.2.5 Broad evaluation of the measure				
	a) Legal/statutory	b) Administrative	c) Contractual	d) Recurrent	e) One-off		a) Inside	b) Outside	c) Both inside & outside	a) Maintain	b) Enhance	c) Long term	d) No effect	e) Unknown
2.0: Other agriculture-related measures		Y	Y			H			Y		Y			

2.1: Maintaining grasslands and other open habitats		Y	Y			L			Y		Y			
3.2: Adapt forest management		Y	Y			L			Y		Y			
4.0: Other wetland-related measures		Y	Y			M			Y		Y			
4.1: Restoring/improving water quality		Y				L			Y			Y		
6.1: Establish protected areas/sites	Y					M		Y				Y		
6.3: Legal protection of habitats and species	Y					H			Y			Y		
6.4: Manage landscape features		Y	Y			M			Y		Y			
7.2: Regulation/Management of fishery in limnic systems				Y		L			Y		Y			
8.0: Other measures		Y				M			Y			Y		

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