Bufo calamita Taxonomic Authority: Laurenti, 176 Synonyms:	38		Region: Common Kamyshev Natterjack Ropucha F Sapo Corre	aya Zh Toad Paskow	aba	Russian English Polish Spanish
Order: Anura			Family:	Bufo	onidae	
Notes on taxonomy:						
General Information						
Biome	✓ Terrestrial	✓ F	reshwater		☐ Mari	ne
Geographic Range of species: This species is found in southern, west ranging from Portugal and Spain, north and as far east as western Ukraine, Be are isolated populations in southweste the United Kingdom (north to southwes sea level to almost 2,540m asl (in Spain	Habitat and Ecology Information: This species is generally found in open and unshaded light sandy soils of coastal dunes, lowland heaths, semi-desert, high mountains, pine forest glades, gardens, parks, agricultural fields, sand and gravel quarries and meadows. In the daytime these animals hide in heaps of stones, in sandy soil and under debris. Spawning, followed by a short larval development period, takes place in sunny shallow temporary pools and lagoons. This is a pioneering species in much of southern Europe, sometimes temporarily colonising new ponds; it is very much less adaptable in northern Europe.					
Conservation Measures:			Threats:			
It is listed on Appendix II of the Berne of the EU Natural Habitats Directive, and national legislation throughout much of in many regional, national and sub-nati and is present in many protected areas UK has successfully established at lea more populations (Denton, et al., 1997	The main threats to this species are loss of specialised habitats (such as heaths and dunes) by natural encroachment of scrub and woodland; afforestation, acidification of breeding pools, agricultural development, infilling of breeding sites (such as temporary pools and sand and gravel quarries); increased mechanisation of sand and gravel extraction and infrastructure development for tourism.					
Species population information:						
The species is locally abundant across southern Europe. It is much more local northern parts of its range (e.g., in the Belgium, Denmark, Sweden and Eston Poland, a large breeding population of recorded in 2002 in the Slowinski Nation	ised and is declining i United Kingdom, Irela ia). While generally d about 500 individuals	in the and, eclining in				
Country Distribution	Presence Pres Confirmed Pos	ssible	inct Reintro	duced	Introduced	Vagrant
Austria	✓					

Country Distribution	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Austria	✓					
Belarus	✓					
Belgium	✓					
Czech Republic	✓					
Denmark	✓					
Estonia	✓					
France	✓					
Germany	✓					
Ireland	✓					
Latvia	✓					
Lithuania	✓					
Luxembourg	✓					
Netherlands	✓					
Poland	✓					
Portugal	✓					
Russian Federation	✓					
Slovakia	✓					
Spain	✓					
Sweden	✓					
Switzerland	✓					
Ukraine	✓					
United Kingdom	✓					

Native - Presence Confirmed Possible

Extinct Reintroduced Introduced

FAO Marine Habitats

Major Lakes

Major Rivers

Upp	per Level Habitat Preferences	Score	Lower Level Habitat Preferences	Score
1.4	Forest - Temperate	1	Conifer Forest	1
3.4	Shrubland - Temperate	1	Mixed Forest	2
3.8	Shrubland - Mediterranean-type Shrubby Vegetation	1	Urban	1
4.4	Grassland - Temperate	1		
5.6	Wetlands (inland) - Seasonal/Intermittent Freshwater Lakes (over 8ha)	s 1		
5.8	Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	1		
8.2	Desert - Temperate	2		
8.4	Desert - Semi-Desert (no trees present)	1		
10.1	Coastline - Rocky Shores (includes rocky offshore islands and sea cliffs)	2		
10.2	2 Coastline - Sand, Shingle or Pebble Shores (incl. sand bars spits, sandy islets, dune systems)	s, 1		
11.1	Artificial/Terrestrial - Arable Land	2		
11.2	2 Artificial/Terrestrial - Pastureland	1		
11.4	Artificial/Terrestrial - Rural Gardens	2		
12.2	2 Artificial/Aquatic - Ponds (below 8ha)	1		
12.5	Artificial/Aquatic - Excavations (open)	1		
12.7	Artificial/Aquatic - Irrigated Land (includes irrigation channe	els) 2		
12.8	3 Artificial/Aquatic - Seasonally Flooded Agricultural Land	2		
12.9	9 Artificial/Aquatic - Canals and Drainage Channels, Ditches	1		

Major threats					Conservation Measures						
Code	Description of threat	Past I	Present F	uture	Code	Conservation measures	In place	Needed			
1	Habitat Loss/Degradation (human induced)	✓	✓	✓	1	Policy-based actions	✓				
1.1	Agriculture	✓	✓	✓	1.1	Management plans	✓				
1.1.1	Crops		✓	✓	1.1.1	Development	✓				
1.1.1.3	Agro-industry farming	✓	✓	✓	1.1.2	Implementation	✓				
1.1.2	Wood plantations	✓	✓	✓	1.2	Legislation	✓				
1.1.2.1	Small-scale	✓	✓	✓	1.2.1	Development	✓				
1.4	Infrastructure development	✓	✓	✓	1.2.1.2	! National level	✓				
1.4.3	Tourism/recreation	✓	✓	✓	1.2.1.3	Sub-national level	✓				
6	Pollution (affecting habitat and/or species)	✓	✓	✓	1.2.2	Implementation	✓				
6.1	Atmospheric pollution	✓	✓	✓	1.2.2.2	! National level	✓				
6.1.2	Acid precipitation	✓	✓	✓	1.2.2.3	Sub-national level	✓				
10	Human disturbance	✓	✓	✓	2	Communication and Education		✓			
10.1	Recreation/tourism	✓	✓	✓	2.2	Awareness		✓			
					3	Research actions		✓			
					3.2	Population numbers and range		✓			
					3.3	Biology and Ecology		✓			
					3.4	Habitat status		✓			
					3.5	Threats		✓			
					3.8	Conservation measures		✓			
					3.9	Trends/Monitoring		✓			
					4	Habitat and site-based actions	✓	✓			
					4.1	Maintenance/Conservation	✓	✓			
					4.2	Restoration	✓	✓			
					4.4	Protected areas	✓	✓			
					4.4.2	Establishment	~				
					4.4.3	Management	<u> </u>	✓			

5	Species-based actions	✓	✓
5.1	Re-introductions	✓	~
5.7	Ex situ conservation actions	✓	
5.7.1	Captive breeding/Artificial propagation	✓	

Utilisation of Species

Purpose/Type of Use Subsistence National International Other purpose:

Primary forms removed from the wild 100% >75% 51-75% 26-50% <25% Other forms removed from the wild:

Source of specimens in commercial trade 100% >75% 51-75% 26-50% <25% Other source of specimens:

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES: Not listed

Red Listing

Red List Criteria:

Rationale for the Red List Assessment: Listed as Least Concern in view of its wide distribution, presumed large population, and because the

total population is unlikely to be declining fast enough to qualify for listing in a more threatened

category.

Current Population Trend: Decreasing Date of Assessment: 12/17/2004

Assessor(s): Pedro Beja, Sergius Kuzmin, Trevor Beebee, Mathieu Denoël, Benedikt Schmidt, David Tarkhnishvili, Natalia Ananjeva, Nikolai

Notes on Red listing: The listing of the species as Least Concern is based on its healthy population status, especially in Portugal, Spain and

southern France. Through much of northern, central and eastern Europe, and in the former Societ Union, this species

is in long-term decline, and it is considered to be threatened in many countries.

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