

# Bufo brongersmai

Taxonomic Authority: Hoogmoed, 1972

Synonyms:

Region: 10

Common Names:

Brongersma Krote	German
Brongersma's Toad	English
Crapaud de Brongersma	French

Order: Anura

Family: Bufonidae

Notes on taxonomy:

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is restricted to western, southern and eastern Morocco, ranging into northern Western Sahara and northwestern Algeria. It ranges from sea level to 1,600m asl.

### Habitat and Ecology Information:

It is present in semi-arid, hilly areas with Argania spinosa, Euphorbia, and graminaceous vegetation. During the day individuals of this species hide beneath stones. The ponds that this species uses for reproduction are mostly located in rocky areas. It may be found in ploughed fields (Schleich et al. 1996), and has been observed in artificial waterbodies (dammed temporary rivers). It breeds only in temporary ponds.

### Conservation Measures:

This species is present in the Parc National de Souss-Massa. It is not protected by national legislation. The species can be bred successfully in captivity.

### Threats:

It is threatened through much of its range by increased aridity, pollution and drainage of its breeding habitats.

### Species population information:

This species may be abundant in suitable habitat, but it is in decline as its habitats are being lost.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Algeria	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Morocco	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western Sahara	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## FAO Marine Habitats

Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced
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## Major Lakes

## Major Rivers

## Upper Level Habitat Preferences

	Score
3.8 Shrubland - Mediterranean-type Shrubby Vegetation	1
5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	1
5.8 Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	1
6 Rocky areas (eg. inland cliffs, mountain peaks)	1
8.1 Desert - Hot	2
8.4 Desert - Semi-Desert (no trees present)	1
11.1 Artificial/Terrestrial - Arable Land	1
12.2 Artificial/Aquatic - Ponds (below 8ha)	1
12.9 Artificial/Aquatic - Canals and Drainage Channels, Ditches	1

## Lower Level Habitat Preferences

	Score
Bare Desert	1
Sand Desert	1
Semi Desert Shrubs	1
Urban	1

## Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4	Livestock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.1	Nomadic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>

6.1	Atmospheric pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.1.1	Global warming/oceanic warming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4	Protected areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4.2	Establishment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.1	Drought	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4.3	Management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:		
13. Pets/display animals, horticulture	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
<b>Primary forms removed from the wild</b>	<b>100%</b>	<b>&gt;75%</b>	<b>51-75%</b>	<b>26-50%</b>	<b>&lt;25%</b>	<b>Other forms removed from the wild:</b>
1. Whole animal/plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Source of specimens in commercial trade</b>	<b>100%</b>	<b>&gt;75%</b>	<b>51-75%</b>	<b>26-50%</b>	<b>&lt;25%</b>	<b>Other source of specimens:</b>
Wild	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Captive breeding/farming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Trend in wild offtake/harvest in relation to total wild population numbers over last five years:</b>						Unknown
<b>Trend in offtake/harvest produced through domestication/cultivation over last five years:</b>						Unknown
<b>CITES:</b>	Not listed					

### Red Listing

**Red List Assessment:** Near Threatened (NT)  Possibly Extinct

#### Red List Criteria:

**Rationale for the Red List Assessment:** Listed as Near Threatened because this species is probably in significant decline (but probably at a rate of less than 30% over ten years) because of serious habitat degradation through most of its range, thus making the species close to qualifying for Vulnerable.

**Current Population Trend:** Decreasing

**Date of Assessment:** 12/17/2004

**Assessor(s):** Alfredo Salvador, David Donaire-Barroso, Slimani Tahar, El Hassan El Mouden, Tahar Slimani, Philippe Geniez, José Mateo

#### Notes on Red listing:

### Bibliography

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