

# Pleurodeles nebulosus

**Taxonomic Authority:** (Guichenot, 1850)

**Synonyms:**

**Region:** 10

**Common Names:**

Algerian Ribbed Newt	English
Algerischer Rippenmolch	German
Triton d'Algerie	French

**Order:** Caudata

**Family:** Salamandridae

**Notes on taxonomy:** Carranza and Wade (2004) showed that most of the animals from North Africa previously referred to as *Pleurodeles poireti* actually belong to *Pleurodeles nebulosus*, true *P. poireti* being restricted to the Edough Peninsula in northern Algeria.

## General Information

**Biome**  Terrestrial  Freshwater  Marine

### **Geographic Range of species:**

This species ranges from northern Algeria east to western Tunisia, but is absent from the Edough Peninsula in northern Algeria. The distribution map for this species largely follows the map presented in Veith et al. (2004), but its occurrence is within this range is very limited due to fragmented habitat. The altitudinal range of the species is not known.

### **Habitat and Ecology Information:**

This is presumed to be a largely aquatic species dependent upon cisterns, ponds, swamps and other wetlands. It is not clear if this salamander uses terrestrial habitats. This species has a similar breeding strategy to *Pleurodeles waltl*, depositing its eggs and completing larval development within water.

### **Conservation Measures:**

It is not known as to whether or not the species occurs in any protected areas, or if any conservation measures are in place.

### **Threats:**

The species is threatened by pollution of natural breeding ponds (dayas), through expansion and intensification of agriculture (livestock) in the region (Schleich et al., 1996). There is only limited suitable habitat within its range, suggesting that its populations could be small and severely fragmented.

### **Species population information:**

It is a rare and declining species.

## 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"/>
Tunisia	<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**

5.1	Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	1
5.2	Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	1
5.4	Wetlands (inland) - Bogs, Marshes, Swamps, Fens, Peatlands	1
5.7	Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1
5.8	Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	1
12.2	Artificial/Aquatic - Ponds (below 8ha)	1

## Lower Level Habitat Preferences

**Score**

## 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"/>
1.1.4.2	Small-holder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.3	Agro-industry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Taxonomy	<input checked="" type="checkbox"/>	<input 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"/>

6	Pollution (affecting habitat and/or species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4	Habitat and site-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4	Protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.1	Identification of new protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.2	Establishment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.3	Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 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% <i>Other forms removed from the wild:</i>
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25% <i>Other source of specimens:</i>
<b>Trend in wild offtake/harvest in relation to total wild population numbers over last five years:</b>				
<b>Trend in offtake/harvest produced through domestication/cultivation over last five years:</b>				
CITES: Not listed				

### Red Listing

**Red List Assessment:** Vulnerable (VU)  Possibly Extinct

**Red List Criteria:** B2ab(iii)

**Rationale for the Red List Assessment:** Listed as Vulnerable because its Area of Occupancy is less than 2,000 km<sup>2</sup>, its distribution is severely fragmented, and there is continuing decline in the extent and quality of its habitat in northern Algeria and Tunisia.

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

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

**Notes on Red listing:**

### Bibliography

- Carranza, S. and Wade, E., 2004, Taxonomic revision of Algero-Tunisian Pleurodeles (Caudata: Salamandridae) using molecular and morphological data. Revalidation of the taxon Pleurodeles nebulosus (Guichenot, 1850), Zootaxa, , , 488:, 1-24, ,
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- Veith, M., Mayer, C., Samraoui, B., Donaire Barroso, D. and Bogaerts, S., 2004, From Europe to Africa and vice versa: evidence for multiple intercontinental dispersal in ribbed salamanders (Genus Pleurodeles), Journal of Biogeography, , , 31, 159-171, ,