

Euproctus asper

Taxonomic Authority: (Dugès, 1852)

Synonyms:

Region: 10

Common Names:

Pyrenean Brook Salamander	English
Pyrenean Newt	English
Tritón Pirenaico	Spanish

Order: Caudata

Family: Salamandridae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is found throughout much of the Pyrenean mountain range of France and Spain. It occurs at a wide range of elevations from 175m to over 3,000m asl (northern slopes of the Pyrenees), although the average range is 700 - 2,500m asl. It has recently been found in the Corbieres Mountains, 20km southeast of Carcassonne, in southeastern France, this being a range extension northwards.

Habitat and Ecology Information:

It is a largely aquatic montane species that inhabits cold mountain lakes, torrents, streams and occasionally cave systems, that are ice-free for at least 4 months a year (Griffiths, 1996). The eggs are deposited individually under rocks and stones in well-oxygenated, cold streams with rocky bottoms; the larvae develop in these streams. This species has a small clutch size of 20 to 40 eggs (Griffiths, 1996). It is poorly adapted to habitat deterioration (especially water pollution). It is now seldom found in lakes because of introduced fish.

Conservation Measures:

It is listed on Appendix II of the Berne Convention and on Annex IV of the EU Natural Habitats Directive. It has been recorded from Parque Nacional de Ordesa y Monte Perdido and Parque Nacional de Aigües Tortes y Lago San Mauricio, Spain, and presumably occurs in several other protected areas. It is protected by national legislation in Spain and is listed in the Spanish national Red Data Book.

Threats:

The main threats to this species are the loss or damage to aquatic habitats, infrastructure development and tourism (over-exploitation of water resources). Introduction of predatory trout (salmonids) and other fishes is also a threat, leading to population extinctions, especially in mountain lakes. Pesticides are readily accumulated in the body tissues of this largely insectivorous species; several populations demonstrate contamination by these chemicals (Gasc, et al., 1997). It is also impacted by adverse effects on streams as a result of touristic developments, including from skiing facilities.

Species population information:

It is abundant or common in parts of its restricted range, although several peripheral populations have disappeared largely through loss of habitat. It is more common in the west of its range. The populations of the Montseny Massif (Barcelona), located at the southern limit of the species distribution, are considered to be threatened.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Andorra	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
France	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spain	<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
1.4 Forest - Temperate	1
5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	1
5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	1
5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha)	1
5.7 Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1
5.18 Wetlands (inland) - Karst and Other Subterranean Hydrological Systems (inland)	2
7.1 Caves and Subterranean Habitats (non-aquatic) - Caves	2

Lower Level Habitat Preferences

	Score
Mixed Forest	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"/>
1.1.1	Crops	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.1.3	Agro-industry farming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.7	Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.3	Tourism/recreation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.4	Transport - land/air	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.2	Predators	<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"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.2	National level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2.2	National level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4	Protected areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input 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:	
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 Assessment: Near Threatened (NT) Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: Listed as Near Threatened because its Extent of Occurrence is probably not much greater than 20,000 km², and its habitat is in decline, thus making the species close to qualifying for Vulnerable.

Current Population Trend: Decreasing

Date of Assessment: 12/17/2004

Assessor(s): Jaime Bosch, Miguel Tejedo, Roberta Lecis, Claude Miaud, Miguel Lizana, Paul Edgar, Iñigo Martínez-Solano, Alfredo Salvador,

Notes on Red listing:

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