

# Lyciasalamandra billae

Region: 10

Taxonomic Authority: (Franzen and Klewen, 1987)

Synonyms:

Common Names:

Order: Caudata

Family: Salamandridae

Notes on taxonomy: This taxon was formerly considered to be a subspecies of [*Lyciasalamandra lushchani*]. It has been elevated to species level, and assigned to [*Lyciasalamandra*], by Veith and Steinfartz (2004).

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is restricted to the east slope of the Saricinar Daglari, south-west of Antalya, Turkey. It ranges from sea level to 200 m asl.

### Habitat and Ecology Information:

It is associated with rocky limestone outcrops, and is often found in marqui or pine woodlands. The species is viviparous producing one or two fully metamorphosed young; the gestation period is about one year. The species does not occur in modified habitats.

### Conservation Measures:

This species has been recorded from the Catlicak Protected Area. There is a need to protect this species with national legislation.

### Threats:

This species is mainly threatened by its naturally restricted range. There is generally a low human population and little tourism in the area where it is found, and generally no habitat loss is taking place. It is potentially threatened by habitat loss caused by forest fires and by overcollection for scientific purposes.

### Species population information:

It is common in its restricted range.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Turkey	<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

## Lower Level Habitat Preferences

Score

1.4	Forest - Temperate	1
3.8	Shrubland - Mediterranean-type Shrubby Vegetation	1

## Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.7	Fires	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Cultural/scientific/leisure activities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5.2	Sub-national/national trade	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5.3	Regional/international trade	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Taxonomy	<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"/>
3.5	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 type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Utilisation of Species

Purpose/Type of Use  Subsistence  National  International  Other purpose:

15. Sport hunting/specimen collecting	<input type="checkbox"/>	<input checked="" 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>
<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>						
<b>CITES:</b>	Not listed					

## Red Listing

**Red List Assessment:** Critically Endangered (CR)  Possibly Extinct

**Red List Criteria:** B1ab(iii)

**Rationale for the Red List Assessment:** Listed as Critically Endangered because its Extent of Occurrence is less than 100km<sup>2</sup>, all individuals are in only one location, and there is a suspected continuing decline in the extent and quality of its habitat.

**Current Population Trend:** Decreasing

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

**Assessor(s):** Varol Tok, Ismail H. Ugurtas, Murat Sevinç, Pierre-André Crochet, Theodore Papenfuss, Max Sparreboom, Sergius Kuzmin, Stev

**Notes on Red listing:** This species is part of a species complex that was formerly assessed as *Salamandra luschani*. The former assessment indicated that the species was threatened in Turkey by the development of the Turkish coastline mainly for the tourism industry (this includes urbanisation, road widening, and the removal of limestone rocks for construction purposes). In view of these concerns, the species *Lyciasalamandra billae* is here listed as Critically Endangered until its conservation status can be fully resolved during the forthcoming GAA workshop in Turkey, 2005.

## Bibliography

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