

Lyciasalamandra atifi

Taxonomic Authority: (Başoğlu, 1967)

Region: 10

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 endemic to southern Anatolia Turkey, where it has been recorded from Serik, Turbelinaz, Fersin, Dikmen, Manavgat, Gayi, Gollepe and Selge. It is present at altitudes of 190 to 1,500 m asl

Habitat and Ecology Information:

This species is found under stones in humid areas of pine forest. Animals are found in areas of limestone and are also found close to rivers. It has been recorded close to villages, but presumably does not occur in modified habitats. The species is viviparous, the female gives birth to one or two fully metamorphosed young after a long gestation period (around one year).

Conservation Measures:

This species is not known from any protected areas. 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 within its limited range.

Country Distribution

Turkey

FAO Marine Habitats

Native - Presence Confirmed Native - Presence Possible Extinct Reintroduced Introduced

Major Lakes

Major Rivers

Upper Level Habitat Preferences

1.4 Forest - Temperate 1
6 Rocky areas (eg. inland cliffs, mountain peaks) 1

Lower Level Habitat Preferences

Score

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 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"/>
4.4.2	Establishment	<input type="checkbox"/>	<input checked="" 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"/>			
Primary forms removed from the wild	100%	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:
1. Whole animal/plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other source of specimens:
Wild	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Trend in wild offtake/harvest in relation to total wild population numbers over last five years:						Unknown
Trend in offtake/harvest produced through domestication/cultivation over last five years:						
CITES:	Not listed					

Red Listing

Red List Assessment: Endangered (EN) Possibly Extinct

Red List Criteria: B1ab(iii)

Rationale for the Red List Assessment: Listed as Endangered because its Extent of Occurrence is less than 5,000 km², all individuals are in fewer than five locations, 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 atifi* is here listed as Endangered until its conservation status can be fully resolved during the forthcoming GAA workshop in Turkey, 2005.

Bibliography

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