

Neurergus strauchii

Taxonomic Authority: (Steindachner, 1887)

Synonyms:

Region: 10

Common Names:

Order: Caudata

Family: Salamandridae

Notes on taxonomy:

General Information

Biome

Terrestrial

Freshwater

Marine

Geographic Range of species:

This species is currently known only from Vilayets Mus, Bitlis and Malatya in Eastern Anatolia, Turkey. There are recent unpublished records of this species occurring between the localities of the two known subspecies (Sparreboom, pers. comm.). Of the two confirmed subspecies, N. s. strauchii is found in the streams surrounding Lake Van and N. s. barani is restricted to Kubbe Mountain on the Malatya-Puturge road. It is present at altitudes of 1,500 - 2,000m asl.

Habitat and Ecology Information:

It is known only from the small, cool mountain streams in which it breeds. The borders of these streams may be wooded or not. Animals spend the winter months on land under stones and in burrows. The terrestrial habitat of this species is not well known. The female lays between 10 and 20 eggs in a clutch. It is presumed to be susceptible to changes in habitat.

Conservation Measures:

There are no explicit measures are being taken to conserve the species in Turkey, and it is not known from any protected areas. There is a need to develop national legislation to prevent the pollution of stream habitats in eastern Turkey.

Threats:

In general this species lives at high elevations where there is a low human population and few threats. In the eastern part of the species range, close to Bitis, the species is presumably threatened by pollution of streams and rivers with domestic detergents and possible modification of habitats. Construction of a dam is planned on the river catchments where the western subspecies in the Kubbe Dagi occurs (G. Eken pers comm., Wagener 2003). This species has been recorded in the pet trade, although it is not known if this is a threat to wild populations.

Species population information:

This species is locally common within suitable habitat.

Country Distribution

Turkey

Native -
Presence
Confirmed



Native -
Presence
Possible



Extinct



Reintroduced



Introduced



Vagrant



FAO Marine Habitats

Native -
Presence
Confirmed

Native -
Presence
Possible

Extinct

Reintroduced

Introduced

Major Lakes

Major Rivers

Upper Level Habitat Preferences

Score

5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)

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"/>
1.4	Infrastructure development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input type="checkbox"/>	<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"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.2	Domestic	<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"/>
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"/>
4.4.1	Identification of new 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:		
13. Pets/display animals, horticulture	<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: Proportion of captive-bred animals not known.
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other source of specimens: Proportion of captive-bred animals not known.
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:						Unknown
CITES:	Not listed					

Red Listing

Red List Assessment: Vulnerable (VU)

Possibly Extinct

Red List Criteria: B1ab(iii)

Rationale for the Red List Assessment: Listed as Vulnerable because its Area of Occupancy is less than 2,000 km², its distribution is severely fragmented, and there is continuing decline in the extent and quality of its habitat in Turkey.

Current Population Trend: Decreasing

Date of Assessment: 4/5/2004

Assessor(s): Theodore Papenfuss, Max Sparreboom, Varol Tok, Ismail H. Ugurtas, Murat Sevinç, Sergius Kuzmin, Steven Anderson, Güven

Notes on Red listing:

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