

Speleomantes italicus

Taxonomic Authority: (Dunn, 1923)

Synonyms:

Region: 10

Common Names:

geotritone italiano Italian
Italian Cave Salamander English

Family: Plethodontidae

Order: Caudata

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

The species is a northern and central Apennine endemic, ranging from the provinces of Reggio Emilia (Emilia-Romagna) and Lucca (Tuscany) southwards to the province of Pescara inclusive (Abruzzi) (Gasc, et al. 1997). The species occurs from sea level to elevations approaching 2,430m asl.

Habitat and Ecology Information:

The species is known from humid rocky outcrops, caves, crevices, and forested areas in the vicinity of streams, often in limestone areas. It species reproduces through the direct development of a few terrestrial eggs.

Conservation Measures:

The species is listed on Appendix II of the Berne Convention and on Annex IV of the EU Natural Habitats Directive. It is not known if the species is present in any protected areas.

Threats:

There are no threats identified other than a general localised loss of habitat. However, these threats are limited, and it is not believed to be significantly threatened.

Species population information:

It is common over much of its range, although considered to be less abundant in the southern-most part of its range. There is no evidence of any population decline taking place in this species.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Italy	<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
6 Rocky areas (eg. inland cliffs, mountain peaks)	1
7.1 Caves and Subterranean Habitats (non-aquatic) - Caves	1
7.2 Caves and Subterranean Habitats (non-aquatic) - Other Subterranean Habitats	1

Lower Level Habitat Preferences

	Score
Cool Broadleaf Forest	1
Deciduous Broadleaf Wood	1
Forest and Field	1
Mixed Forest	1
Small Leaf Mixed Woods	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"/>
1.1.1.2	Small-holder farming	<input checked="" 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"/>
1.4.2	Human settlement	<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"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.2	Poor recruitment/reproduction/regeneration	<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 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"/>
1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2.1	International 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"/>
3.4	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"/>

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>
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 since although its Extent of Occurrence is probably less than 20,000 km² and its habitat might be declining, thus making the species close to qualifying for Vulnerable, it probably occurs in more than ten locations, and its range is probably not severely fragmented.

Current Population Trend: Stable

Date of Assessment: 12/17/2004

Assessor(s): Franco Andreone, Paul Edgar, Claudia Corti

Notes on Red listing:

Bibliography

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