

Discoglossus montalentii

Taxonomic Authority: Lanza, Nascetti, Capula and Bullini, 1984

Synonyms:

Order: Anura

Notes on taxonomy:

Region: 10

Common Names:

Corsican Painted Frog English

Family: Discoglossidae

General Information

Biome

Terrestrial

Freshwater

Marine

Geographic Range of species:

This species is endemic to Corsica (France), where it is found mainly in the central part of the island, from Corte and Cervione in the north to Porto-Vecchio in the south (Noellert and Noellert, 1992). It has been recorded from localities between 300m and 1,900m asl, and is absent from coastal lowlands.

Conservation Measures:

It is listed on Appendix II of the Berne Convention and listed on Annexes II and IV of the EU Natural Habitats Directive.

Species population information:

There is little information available on the population size or abundance of this species. This species was only recently identified and differentiated from the more widespread *Discoglossus sardus*.

Habitat and Ecology Information:

This frog is strongly associated with running waters in high altitude pristine woods and forests, and is especially found in areas with precipitous streams. The eggs are presumably deposited in aquatic vegetation in streams, with larvae developing in these streams.

Threats:

There are no known current threats to this species, but introduced predators and competitors are a future possible threat.

Country Distribution

France

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

- 1.4 Forest - Temperate
- 5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)
- 5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks

1

1

1

Lower Level Habitat Preferences

Score

- Cool Forest and Field
- Mixed Forest

2

1

Major threats

Code	Description of threat	Past	Present	Future
2	Invasive alien species (directly affecting the species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.1	Competitors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.2	Predators	<input type="checkbox"/>	<input 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 checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input checked="" 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"/>
5	Species-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.4	Recovery management	<input checked="" type="checkbox"/>	<input 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, because although the species might not be declining, its extent of occurrence is less than 5,000 km², thus making the species close to qualifying for Vulnerable.

Current Population Trend: Unknown **Date of Assessment:** 12/17/2004

Assessor(s): Claude Miaud, Marc Cheylan

Notes on Red listing:

Bibliography

Arnold, E.N., 2003, , Reptiles and amphibians of Europe, , , 288, Princeton University Press,

Delaugerre, M. and Cheylan, M., 1992, , Batraciens et Reptiles de Corse, , , Parc Naturel Regional de Corse,

, 1997, , Atlas of Amphibians and Reptiles in Europe, Gasc, J.-P., , 494, Societas Europea Herpetologica & Museum National d'Histoire Naturelle, Paris

Emanuelli, L., Recorbet, B., Salvidio, S. and Sindaco, R., 2000, Studies on the ecology and conservation of the Corsican endemic *Discoglossus montalentii* in the framework of the 92/43/EEC habitats directive, , Congress of the Societas Europaea Herpetologica, Miaud, C. and Guyetant, R., , 99-103, The Societas Europaea Herpetologica,

Alvidio, S., Sindaco, R., Emanuelli, L. and Lanza, B., 1999, The tadpole of the endemic Corsican painted frog *Discoglossus montalentii* (Anura, Discoglossidae), *The Italian Journal of Zoology*, , , 66(1), 63-69, ,

Fromhage, L., Vences, M. and Veith, M., 2004, Testing alternative vicariance scenarios in Western Mediterranean discoglossid frogs, *Molecular Phylogenetics and Evolution*, , , 31(1), 308-322, ,

Salvidio, S., Sindaco, R. and Emanuelli, L., 1999, Feeding habits of sympatric *Discoglossus montalentii*, *Discoglossus sardus* and *Euproctus montanus* during the breeding season, *Herpetological Journal*, , , 9(4), 163-167, ,

Clarke, B.T. and Lanza, B., 1990, Notes on the morphology and distribution of the Corsican Painted Frogs: *Discoglossus sardus* Tschudi and *D. montalentii* Lanza, Nascetti, Capula & Bullini, *Bollettino del Museo Regionale di Scienze Naturali - Torino*, , , 8(2), 531-544, ,

Noellert, A. and Noellert, C., 1992, *Die Aphibien Europas*, , , , 382p, Franckh-Kosmos Verlags-GmbH & co, Stuttgart