

Scardinius scardafa

Taxonomic Authority: (Bonaparte, 1837)

Synonyms:

Region: 1

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

Only survives in Lake Scano and nowhere else. This location is outside its original natural range. It was introduced to Scano around 100-150 years ago from Lake Fucino. The population in Lake Scano has been confirmed as genetically identical to that from the original type specimens from Lake Fucino.

Habitat and Ecology Information:

Lives in lakes and the lower reaches of rivers rich in aquatic vegetation.

Conservation Measures:

None

Threats:

Potential introduction of Scardinius erythrophthalmus (as planned by the local authority) which has already been responsible for its extinction throughout its former range.

Species population information:

Extinct throughout its native range. It now only remains in Lake Scano (outside the native range) where it is well established.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Italy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Upper Level Habitat Preferences

Score

Lower Level Habitat Preferences

Score

- 5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls) 1
- 5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha) 1

Major threats

Code	Description of threat	Past	Present	Future
6	Pollution (affecting habitat and/or species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Conservation Measures

Code	Conservation measures	In place	Needed
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	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"/>
3.4	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"/>

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 type="checkbox"/>	Sport fishing		
Primary forms removed from the wild	100%	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other source of specimens:

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:

Red Listing

Red List Assessment: Critically Endangered (CR) Possibly Extinct

Red List Criteria: A3e

Rationale for the Red List Assessment: There are current plans to introduce non-native species which have previously been responsible for the extirpation of this species throughout its entire natural range. The introduction is for sport fishing. This sort of action has happened repeatedly throughout the region so there is a real concern that the plans will go ahead. If the introductions go ahead it is suspected that the population will decline by more than 80% within less than 10 years. It is possible that it could have arrived in the lake through existing connections to its original locations in the Tiber basin.

Current Population Trend: Unknown

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Bianco, G., Freyhof, J.

Notes on Red listing: The population in Lake Scano is assessed as being a benign introduction from Lake Fucino for conservation purposes.

Bibliography

Bianco, P.G., 1995, Mediterranean endemic freshwater fishes of Italy., *Biological Conservation*, , , 72, 159-170, ,

Bianco, P.G., 2004, Threatened fishes of the world: *Scardinius scardafa* (Bonaparte, 1837)., *Environmental Biology of Fishes*, , , 71, 246, ,