

Scardinius graecus

Region: 1

Taxonomic Authority: Stephanidis, 1937

Synonyms:

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

Restricted to lake Yliki in Beotia, Greece.

Habitat and Ecology Information:

A lacustrine species with a lakewide distribution although it requires shoreline habitat (vegetation) for reproduction.

Conservation Measures:

It is listed in Annex II of the Habitats Directive of EU.

Threats:

Water extraction & drought which are leading to lake level fluctuation and overall lake level decline.

Species population information:

Possibly decreasing as the lake is subject to large fluctuations in water level.

Country Distribution

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

Upper Level Habitat Preferences

Score

Lower Level Habitat Preferences

Score

5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha) 1

Major threats

Conservation Measures

Code	Description of threat	Past	Present	Future	Code	Conservation measures	In place	Needed
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.3.2	Fisheries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.3.2.2	Artisinal/small-scale	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.3.6	Groundwater extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					3.4	Habitat status	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					3.5	Threats	<input checked="" type="checkbox"/>	<input 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"/>
					4.2	Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5	Species-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.3	Sustainable use	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.3.1	Harvest management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Utilisation of Species

Purpose/Type of Use

1. Food - human

Subsistence

National

International

Other purpose:

Primary forms removed from the wild

100%

>75%

51-75%

26-50%

<25%

Other forms removed from the wild:

1. Whole animal/plant

Source of specimens in commercial trade

100%

>75%

51-75%

26-50%

<25%

Other source of specimens:

Wild

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: Critically Endangered (CR)

Possibly Extinct

Red List Criteria: B1ab(i,ii,iii,v)+2ab(i,ii,iii,v)

Rationale for the Red List Assessment:

This species is restricted to a single lake (Yliki) and has an estimated EOO < 100 km² and AOO < 10km² (based on the available spawning area along the shoreline). The lake is taken to be a single location due to the lakewide impact of lake level decline and loss of habitat. The EOO and AOO are both declining, habitat quality is declining, and number mature individuals is thought to be declining

due to the additional pressure from overfishing.

Current Population Trend: Decreasing

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Barbieri, R. & Bianco, G.

Notes on Red listing:

Bibliography

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