

Chondrostoma beysehirens

Taxonomic Authority: Bogutskaya, 1997

Synonyms:

Region: 1

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is restricted to one stream leading to Lake Beysehir in Central Anatolia, Turkey. The fish doesn't enter the lake itself because the route is blocked by a waterfall. The stream is small: extent of occurrence and area of occupancy are both less than 10 km².

Habitat and Ecology Information:

Occurs in one stream. A detritus feeder, reaching 250 mm in length. It is migratory to an extent (feeds in one area of the stream and migrates upstream to spawn in a spring).

Conservation Measures:

Further survey work is required to confirm current population size. Lake Beysehir area is a national park.

Threats:

In Beysehir Lake, the water is not polluted.

Species population information:

The population is very small. In 1997 and 1998, F. Erk'akan visited the stream and the population was small. No data on actual population size, but there may have been fewer than 250 mature fish in 1998.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Turkey	<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

5.1	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
12	Unknown	<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"/>
3.1	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"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.4	Protected areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4.2	Establishment	<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%	It is not used at all
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:
						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: Endangered (EN)

Possibly Extinct

Red List Criteria: D

Rationale for the Red List Assessment:

The species is restricted to one small stream (<10 km²) leading to Lake Beysehir. It cannot go into the lake itself because of a waterfall just before it reaches the lake. The lake itself, and other tributaries to the lake, have introduced species there (Zander Stizostedion lucioperca), therefore introduction of the species into other tributaries or to the lake is not an option. Although there are no known threats at present (other than the species' restricted range), it is believed that there are fewer than 250 mature individuals (F. Erk'akan, pers. comm.). Currently assessed as Endangered (EN D). If further survey work confirms population size to be larger than currently believed, the species may move down to Vulnerable based on its highly restricted range (VU D2).

Current Population Trend: Unknown

Date of Assessment: 14/12/2004

Assessor(s): A.J. Crivelli

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Evaluator: F. Erk'akan, A. Karataş & N. Bogutskaya

Notes on Red listing:

Bibliography

Bogutskaya, N.G., 1997, *Chondrostoma beysehirense*, a new cyprinid fish from Beyşehir Lake, Central Turkey., *Ichthyol. Explor. Freshwaters*, , , 8, 151-158, ,