

Cobitis bilseli

Taxonomic Authority: Battalgil, 1942

Synonyms:

Cobitis elongata bilseli Battalgil, 1942

Order: Cypriniformes

Notes on taxonomy:

Region: 1

Common Names:

Family: Cobitidae

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 occur the lake itself anymore 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. An unusually large Cobitis species. Prefers mud and sand substrate.

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. There are introduced Zander in the lake and associated tributaries, but these do not enter the stream occupied by C. bilseli. The species is fished locally and this may be causing declines.

Species population information:

The population is very small. In 1997 and 1998, F. Erk'akan visited the stream and the population was small. There were estimated to be fewer than 50 mature fish in 1998 (F. Erk'akan, pers. comm.). Further surveys are needed to confirm current population size.

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

Conservation Measures

Code	Description of threat	Past	Present	Future	Code	Conservation measures	In place	Needed
1	Habitat Loss/Degradation (human induced)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	Habitat and site-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.1	Maintenance/Conservation	<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%
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%

Other purpose: Not used at all.
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: Critically Endangered (CR) Possibly Extinct

Red List Criteria: B1ab(v)+2ab(v); C2a(i,ii)

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 (Stizostedion lucioperca), therefore introduction of the species into other tributaries or to the lake is not an option. The fish is harvested locally for food. The most recent survey (1998) estimates there to be fewer than 50 mature individuals (F. Erk'akan, pers. comm.). Currently assessed as Critically Endangered based on low population size, restricted range and suspected population declines (CR B1ab(v)+2ab(v); C2a(i,ii)). If further survey work confirms population size to be larger than currently believed, or population to be stable the species may move down to Vulnerable based on its highly restricted range (VU D2).

Current Population Trend: Unknown

Date of Assessment: 15/12/2004

Assessor(s): A.J. Crivelli

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

Notes on Red listing:

Bibliography

Balık, S., 1995, Freshwater fish in Anatolia, Turkey, biological Conservation, , , 72, 213-223, ,

Erkakan, F., Atalay-Ekmekçi, F.G. & Nalbant, T.T., 1999, A review of the genus *Cobitis* in Turkey (Pisces: Ostariophysi: Cobitidae),
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