

Barbatula tschaiyssuensis

Region: 1

Taxonomic Authority: (Banarescu & Nalbant, 1964)

Synonyms:

Noemacheilus tschaiyssuensis Banarescu & Nalbant, 1964

Order: Cypriniformes

Common Names:

Family: Balitoridae

Notes on taxonomy: The taxonomy of Barbatula is in need of revision.

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is restricted to the Caysuyu stream, a tributary of Ceyhan river near Kayseri, Turkey.

Habitat and Ecology Information:

Riverine species.

Conservation Measures:

None known to be in place.

Threats:

Water pollution (Yilmazar & Yaman 1999), water extraction, drought and the construction of a fuel pipeline are the main threats to the species.

Species population information:

No data

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

Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1.1	International level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2.1	International level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Research actions	<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"/>
4	Habitat and site-based actions	<input 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%	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: B1ab(iii)

Rationale for the Red List Assessment: The species is restricted to the Ceyhan stream. Extent of occurrence is estimated at less than 5,000 km². It is known from no more than five locations and habitat quality is declining as a result of pollution, water extraction, drought and dam construction.

Current Population Trend: Decreasing

Date of Assessment: 14/12/2004

Assessor(s): A.J. Crivelli

Evaluator: A. Karatash, F. Erk'akan, N. Bogutskaya & M. Goren

Notes on Red listing:

Rihliogranhv

Bibliography

- Balik, S., 1995, Freshwater fish in Anatolia, Turkey., *Biological Conservation*, , 72, 213-223, ,
- Kottelat, M., 1997, European freshwater fishes, *Biologia*, Bratislava, , 52/ Supplement 5, 1-271, ,
- Yilmazer, D. and Yaman, S., 1999, Heavy metal pollution and chemical profile of Ceyhan River (Adana-TURKEY)., *Turkish Journal of Engineering and Environmental Science*, , 23, 59-62, ,