

Barbus longiceps

Region: 1

Taxonomic Authority: Valenciennes in Cuvier & Valenciennes, 1842

Synonyms:

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

It is restricted to streams and lakes of the Jordan watershed in Israel, Syria and Jordan. A species recorded in the Orontes river basin area (Turkey) may be *B. longiceps*, but this needs further investigation (N. Bogutskaya, pers. comm.).

Habitat and Ecology Information:

It is a large size barbel (< 700 mm). It feeds on invertebrates and molluscs. It migrates upstream in winter (January-March) to spawn in small streams.

Conservation Measures:

None known to be in place.

Threats:

Reclamation of rivers and rivulets which once flowed into Lake Kinneret and were previously used as spawning grounds. Drought and pollution are also threats.

Species population information:

Decreasing

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Israel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jordan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Syrian Arab Republic	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Policy-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1.1	International level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Food	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.1	International level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1.3	Regional/international trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.2	National level	<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"/>	3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Natural disasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.1	Drought	<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"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:		
1. Food - human	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	37-80 tons between 1982-1991 for <i>B. canis</i> and <i>B. longiceps</i>		
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:	Decreasing					
Trend in offtake/harvest produced through domestication/cultivation over last five years:	Decreasing					
CITES:	Not listed					

Red Listing

Red List Assessment: Vulnerable (VU) Possibly Extinct

Red List Criteria: A2abc

Rationale for the Red List Assessment: It is still a common species, however in the 1980s it declined sharply in Lake Kinneret. Information from fishermen in the lake area indicates a decline of more than 30% within the last three generations (12-15 years). Currently assessed as Vulnerable based on population decline in population and reclamation of rivers and rivulets once used as spawning grounds in the recent past.

Current Population Trend: Decreasing

Date of Assessment: 14/12/2004

Assessor(s): A.J. Crivelli

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

Notes on Red listing:

Bibliography

- Ben Tuvia, A., Davidoff, E.B., Shapiro, J. & Shefler, D., 1992, Biology and management of Lake Kinneret fisheries., The Israeli Journal of Aquaculture - Bamidgah, , , 44, 48-65, ,
- Krupp, F. & Schneider, W., 1989, The fishes of the Jordan river drainage basin and the Azraq Oasis., Fauna of Saudi Arabia, , , 10, 347-416, ,
- Spataru, P. & Gophen, M., 1987, The food and benthophagous feeding habits of *Barbus longiceps* (Cyprinidae) in Lake Kinneret (Israel)., Arch Hydrobiol., , , 110, 331-337, ,