

Astatotilapia flavijosephi

Taxonomic Authority: (Lortet, 1883)

Synonyms:

Region: 1

Common Names:

Order: Perciformes

Family: Cichlidae

Notes on taxonomy: According to van Oijen et al. 1991 in the Check-list of the freshwater fishes of Africa (CLOFFA) this species should be changed to Haplochromis flavijosephi.

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

Restricted to the Jordan river basin where it occurs in the vicinity of Lake Kinneret, the Baisan valley and Lake Muzairib in Israel and Syria.

Habitat and Ecology Information:

It lives in the shallow zone of lakes and in springs and streams where it may be found among stones or vegetation. It reproduces several times between April and July. The species is a maternal mouth-brooder.

Conservation Measures:

Research is going on at present. No other conservation measures in place at present.

Threats:

Lake Kinneret has no serious threats at present. The species occurs in the littoral zone in stony areas and extreme drought conditions may pose a problem because these stony areas would be uncovered. Water extraction, pollution and drought are the main threats to the riverine part of the population and these are thought to be causing population decline in this part of the species' range.

Species population information:

The riverine part of the population is declining. The lake population fluctuates, depending on water levels in the lake (dependent on climatic conditions).

	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"/>
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
5.9	Wetlands (inland) - Freshwater Springs and Oases	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"/>
6	Pollution (affecting habitat and/or species)	<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"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<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"/>
7.1	Drought	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					3.1	Taxonomy	<input checked="" type="checkbox"/>	<input 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"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:		
				Not used		
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:

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)c(i,ii)+2ab(iii)c(i,ii)

Rationale for the Red List Assessment: There are 4-5 separate subpopulations occurring in lake and riverine habitat. The lake part of the

population is not under serious threat at present, habitat undergoes extreme fluctuations depending on climate (extreme drought conditions cause declines in suitable habitat). The riverine part of the population is declining as a result of pollution, water extraction and drought. Extent of occurrence is less than 5,000 km², but area of occupancy is less than 100 km² (the species is restricted to littoral zones in stony habitat). Currently assessed as Endangered based on restricted range, declining habitat quality and fluctuation in range area.

Current Population Trend: Decreasing

Date of Assessment: 14/12/2004

Assessor(s): A.J. Crivelli

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

Notes on Red listing:

Bibliography

Krupp, F. & Schneider, W., 1989, The fishes of the Jordan river drainage basin and the Azraq Oasis., Fauna of Saudi Arabia, , , 10, 347-416, ,