

Acanthobrama centisquama

Taxonomic Authority: Heckel, 1843

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 the Orontes River basin in Syria and Turkey.

Habitat and Ecology Information:

A benthic, riverine species feeding and spawning in slow-moving rivers.

Conservation Measures:

None known to be in place. Monitoring and control of pollution levels is needed to help protect this species.

Threats:

The main threats to the species are changes in water level caused by natural drying out of rivers as a result of drought, and water extraction during dry seasons. Domestic and sewage pollution of waterways also threaten the species. Acanthobrama species are highly sensitive to ammonia concentrations therefore are highly sensitive to pollution (Elron et al, in press).

Species population information:

No published data are available on population trends or decline rates. The species is believed to be declining as a result of habitat loss and degradation (F. Erk'akan, pers. comm.).

Country Distribution	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Syrian Arab Republic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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

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"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<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"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.2	Domestic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.8	Sewage	<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"/>
7	Natural disasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4	Protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4.2	Establishment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4.3	Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" 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: B2ab(ii,iii)

Rationale for the Red List Assessment: A. centisquama is restricted to the Orontes River basin. The human population across the species' range is increasing and, as a result, water extraction from the river system for irrigation purposes has also increased. This is a serious threat to the species and the population is believed to be declining as a result. River area currently occupied by the species is estimated to be less than 500 km² (perhaps even less than 10 km²) (F. Erk'akan, pers comm.). Several dams have been constructed in the river basin resulting in fragmentation of the population. Given the restricted range and current threats to the species' riverine habitat, this fish is assessed as Endangered.

Current Population Trend: Decreasing

Date of Assessment: 13/12/2004

Assessor(s): A.J. Crivelli

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

Notes on Red listing:

Bibliography

Krupp, F., 1987, Freshwater Ichthyogeography of the Levant., Beihefte zum Tübinger Atlas des Vorderen Orients, , , Reihe A 28, 229-237, ,