

Chondrostoma kinzelbachi

Taxonomic Authority: Krupp, 1985

Synonyms:

Region: 1

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy: The taxonomy of this species is in doubt. Molecular data do not confirm the validity of this species (Durand et al. 2003).

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 riverine species. Feeds on algae from rock surfaces. The species need well oxygenated water for spawning (N. Bogutskaya, pers. comm.). Separate feeding and spawning areas (migratory, but not to a great extent).

Conservation Measures:

None known to be in place.

Threats:

Water extraction and pollution are the main threats. The species is sensitive to chemical (ammonia) pollution. Drought is also a problem, particularly in Amik Lake. The range is fragmented due to dam construction.

Species population information:

No data on population size, but a survey of the river found the species in only three locations.

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
5.2	Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.2	Domestic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.8	Sewage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
9.2	Poor recruitment/reproduction/regeneration	<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"/>				

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(iii)

Rationale for the Red List Assessment:

This species occurs in the Orontes River basin area. The population is fragmented through dam construction throughout the basin. It is known to occur in at least three locations, but may be in no more than five. Area of occupancy is estimated at less than 500 km². Habitat quality continues to decline as a result of pollution and water extraction. Assessed as Endangered (EN B2ab(iii)).

Current Population Trend: Unknown

Date of Assessment: 15/12/2004

Assessor(s): A.J. Crivelli

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

Notes on Red listing:

Bibliography

Krupp, F., 1985, A new species of *Chondrostoma* from the Orontes river drainage basin of Turkey and Syria., *Senckenbergiana biol.*, , 66, 27-33, ,

Durand, J.-D., Bianco, P.G., Laroche, J. & Gilles, A., 2003, Insight into the origin of endemic Mediterranean ichthyofauna: phylogeography of *Chondrostoma* geneus (Teleostei, Cyprinidae)., *Journal of Heredity*, , 94, 315-328, ,