

Knipowitschia croatica

Region: 1

Taxonomic Authority: Mrakovcic, Kerovec, Misetic & Schneider, 1994

Synonyms:

Common Names:

Order: Perciformes

Family: Gobiidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

It is restricted to the karstic River Matica, Neretva and Lake Bacina (Polje Jezero) in Croatia and Bosnia-Herzegovina.

Habitat and Ecology Information:

It lives in the freshwater karstic Matica river, its upper part dries out in summer. It can be found also in the brackish lake Bacina. Spawning season in February.

Conservation Measures:

None.

Threats:

Eutrophication, water pollution and extraction and alteration of the habitat.

Species population information:

No data.

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Bosnia and Herzegovina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Croatia	<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

5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	1
5.9 Wetlands (inland) - Freshwater Springs and Oases	1
5.18 Wetlands (inland) - Karst and Other Subterranean Hydrological Systems (inland)	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"/>	1.2.1.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.2	Domestic	<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	Natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.1	Limited dispersal	<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"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" 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"/>
					4	Habitat and site-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4	Protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.1	Identification of new protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.2	Establishment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.3	Management	<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 type="checkbox"/>	<input type="checkbox"/>			
Primary forms removed from the wild	100%	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:
1. Whole animal/plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other source of specimens:
						Not traded

Trend in wild offtake/harvest in relation to total wild population numbers over last five years: Unknown

Trend in offtake/harvest produced through domestication/cultivation over last five years: Unknown

CITES: NOT LISTED

Red Listing

Red List Assessment: Vulnerable (VU)

Possibly Extinct

Red List Criteria: B2ab(iii); D2

Rationale for the Red List Assessment: *K. croatica* is restricted to between 5 and 10 locations (in the River Matica, Neretva and Lake Bacina (Polje Jezero)), and has an estimated AOO of around 20 km². There is a continuing decline in quality of habitat due to pollution, eutrophication and water extraction.

Current Population Trend: Unknown

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: M. Mrakovcic & J. Freyhof

Notes on Red listing:

Bibliography

Mrakovcic, M., Kerovec, M., Misetic, S. & Schneider, D., 1996, Description of *Knipowitschia punctatissima croatica*, (Pisces, Gobiidae), a new freshwater goby from Dalmatia, Croatia., , Conservation of Endangered Freshwater Fish in Europe, Kirchhofer, A. & Hefti, D., , , Birkhäuser Verlag, Basel, Switzerland