

Barbus plebejus

Taxonomic Authority: Bonaparte, 1839

Synonyms:

Order: Cypriniformes

Notes on taxonomy:

Region: 1

Common Names:

Barbo padano

Italian

Family: Cyprinidae

General Information

Biome

☐ Terrestrial

☒ Freshwater

☐ Marine

Geographic Range of species:

Restricted to the Po river basin (including the southern part of Switzerland), all river basins in northern Italy, the Soca-Isonzo river basin (Slovenia-Italy), Reba basin, the Dragonia River, and in Croatian rivers as far as Krka river. It also occurs in lakes. It has been introduced in many rivers of Central Italy for angling.

Conservation Measures:

It is listed in Annexes II and V of the Habitats Directive of EU and in Appendix III of the Bern Convention.

Species population information:

In the middle and lower main course of the Po basin the species disappeared due to introduced species *Barbus barbus* and *Silurus glanis* (Bianco pers. obsv.).

Habitat and Ecology Information:

It is large size barbel (<550 mm) preferring gravel or sandy substrate and rivers with moderately deep, well oxygenated flowing water on foothill regions. Reproduction takes place from late April to early July.

Threats:

Dams, organic pollution, drought, introduced species and habitat loss.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Croatia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Italy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slovenia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Switzerland	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Upper 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

Lower Level Habitat Preferences

Score

Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<input checked="" type="checkbox"/>	<input checked="" 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"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.3	Commercial/Industrial	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.8	Sewage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2.1	International level	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:
				Not used at all. In the past (50 years ago) there was a fishery in the Po river basin
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%
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: Least Concern (LC)

☐ Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: An abundant and widespread species with no overall decline although there is local decline in some places.

Current Population Trend: Stable

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Povz, M. & Mrakovcic, M.

Notes on Red listing:

Bibliography

Bianco, P. G., 2003, *Barbus plebejus* Bonaparte, 1839, , The Freshwater Fishes of Europe, Banarescu, P.M. & N.G. Bogutskaya, 5/II, 339-364, Aula-Verlag, Wiesbaden, Germany

Vitali, R. & Braghieri, L., 1984, Population dynamics of *Barbus barbus plebejus* (Valenciennes) and *Leuciscus cephalus cabeda* (Risso) in the middle River Po (Italy)., *Hydrobiologia*, , , 109, 105-124, ,