

# Chondrostoma genei

Taxonomic Authority: (Bonaparte, 1839)

Synonyms:

Order: Cypriniformes

Notes on taxonomy:

Region: 1

Common Names:

Lasca Italian

Family: Cyprinidae

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

Restricted to northeastern Italy including the river basins: Vomano, Tronto, Esino, Cesano, Metauro, Foglia, Po, Adige, Brenta, Piave, Livenza, Tagliamento and Isonzo. It has been introduced in central Italy (Tuscany and Latium).

Apparently extinct in the river Sava, the Slovenian stretch of River Isonzo. In this river the species is still reported in few populations as result of interaction with the introduced C. nasus and others riverine species.

It is no longer extinct in the Adriatic basin of Slovenia in the river Vipava, a tributary of the Soca (Povz, M. pers comm.).

### Conservation Measures:

Listed in the Appendix II of the Habitats Directive of EU and in the Appendix III of the Bern Convention.

### Habitat and Ecology Information:

Prefers running waters in the foothill zone of mountainous regions, with gravelly or sandy substrates. It is also found in lakes. Warm water adapted.

### Threats:

Habitat destruction, water pollution and extraction. The introduction of Chondrostoma nasus is a major current threat having been responsible of the near extirpation of this species from Slovenia 20 years ago.

### Species population information:

A common species but it is known to be declining in some localities. Has nearly disappeared in the middle and lower course of Po basin due to interaction with introduced species as Silurus glanis, Leuciscus idus, Aspius aspius, and Chondrostoma nasus. In others rivers the species should be considered as stable

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
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"/>

## 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

## 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input checked="" type="checkbox"/>	<input 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"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input 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"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.1	Competitors	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	Habitat and site-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<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%
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:

## Red List Criteria:

**Rationale for the Red List Assessment:** This species is widespread and common in many localities. It is, however, declining or disappearing from a number of places due to the introduction of several alien species. Currently it is assessed as least concern. In Central Italy it has been introduced and has itself become a pest and is now the main threat to *Rutilus rubilio* and *Leuciscus lucimonis*.  
[EOO > 20000, AOO > 2000].

**Current Population Trend:** Decreasing

**Date of Assessment:** 31/10/2004

**Assessor(s):** A.J. Crivelli

**Evaluator:** Bianco, G. & Kottelat, M.

## Notes on Red listing:

---

### Bibliography

- Povz, M., 2002, Status of the freshwater fishes and lampreys in Slovenia., , Conservation of Freshwater Fishes: Options for the Future, Collares-Pereira, M.J., Cowx, I.G. & Coelho, M.M., , 45-54, Fishing News Books, Oxford, U.K.
- Elvira, B., 1997, Taxonomy of the genus *Chondrostoma* (Osteichthyes, Cyprinidae): an updated review., *Folia Zoologica*, , 46 (Suppl. I), 1-14, ,
- Bianco, P.G., 1995, Mediterranean endemic freshwater fishes of Italy, *Biological Conservation*, , 72, 159-170, ,
- Bianco, P.G., 1994, L'Ittiofauna continentale dell'Appennino umbro-marchigiano, barriera semipermeabile allo scambio di componenti primarie tra gli oppositi versanti dell'Italia centrale., *Biogeographia*, , 17, 427-483, ,
- Bianco, P.G., 2002, Pesci, , Rete Ecologica Nazionale. Un approccio alla conservazione dei vertebrati italiani., Boitani L., Corsi F., Falcucci A., Maiorano L., Marzetti I., Masi M., Montemaggiori A., Ottaviani D., Reggiani G., Rondinini C., , , Università di Roma "La Sapienza", Dipartimento di Biologia Animale e dell'Uomo; Ministero dell'Ambiente, Direzione per la Conservazione della Natura; Istituto di Ecologia Applicata.  
<http://www.gisbau.uniroma1.it/REN>,
- Bianco P.G. & Ketmaier, V., 2001, Anthropogenic changes in the freshwater fish fauna in Italy with reference to the central region and *Barbus graellsii*, a newly established alien species of Iberian origin., *J. Fish Biol.*, , 59, 190-208, ,
- Battistella, S., Arbuta, D., Pizzul, E. & Amirante, G.A., 1999, Morphologic and genetic studies of genus *Chondrostoma*. (in Italian with English summary)., *Quaderni ETP*, , 28, 145-150, ,