

# Chondrostoma oretanum

Taxonomic Authority: Doadrio & Carmona, 2003

Synonyms:

Region: 1

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

Restricted to the Robledillo and Fresnada rivers (both are small tributaries of the Jandula river in the Guadalquivir basin).

### Habitat and Ecology Information:

Inhabits clear waters with sandy to rocky bottoms and prefers slow flowing stretches with abundant macrophyte and riparian cover.

### Conservation Measures:

None.

### Threats:

A dam has been built having serious impacts on the Robledillo river. Two small reservoirs contain introduced fish which have effected the rivers. Industrial pollution.

### Species population information:

Small and declining. Drastically reduced.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Spain	<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

## Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.2	Predators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.3	Commercial/Industrial	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Taxonomy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input 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"/>
3.6	Uses and harvest levels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.7	Cultural relevance	<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"/>
3.10	Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:	
				Not used at all	
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%	Other forms removed from the wild:
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%	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:	Not listed				

## Red Listing

Red List Assessment: Critically Endangered (CR)  Possibly Extinct

Red List Criteria: A2ace; B2ab(ii,iii)

Rationale for the Red List Assessment: C. oretanum has undergone a population decline of >80% in the past 10 years with only 8 individuals being collected in a survey in 2004. Even though it occurs in two tributaries it is considered one location as the introduced species is effecting the species across its remaining range. The AOO<10km2 and there is a continuing decline in the quality of habitat and AOO due to pollution, dam construction and introduced species.

Current Population Trend: Decreasing

Date of Assessment: 15/12/2004

Assessor(s): Carmona, J. & Elvira, B.

Evaluator: A. Crivelli

Notes on Red listing:

## Bibliography

Doadrio, I. & Carmona, J.A., 2003, A new species of the genus Chondrostoma Agassiz, 1832 (Actinopterygii, Cyprinidae) from the Iberian

peninsula, Graellsia, , , 59(1), 29-36, ,

Doadrio, I. & Carmona, J.A., 2004, Phylogenetic relationships and biogeography of the genus *Chondrostoma* inferred from mitochondrial DNA sequences, *Molecular Phylogenetics and Evolution*, , , , ,