

# **Cobitis vettonica**

**Taxonomic Authority:** Doadrio & Perdices, 1997

**Synonyms:**

**Region:** 1

**Common Names:**

**Order:** Cypriniformes

**Family:** Cobitidae

**Notes on taxonomy:**

## **General Information**

**Biome**  Terrestrial  Freshwater  Marine

### **Geographic Range of species:**

It is restricted to the Arrago river basin within the Tagus river basin in western Spain.

### **Habitat and Ecology Information:**

No data.

### **Conservation Measures:**

None.

### **Threats:**

Water extraction and pollution, drought. Introduction of exotic fish species.

### **Species population information:**

Decreasing.

## **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**

- |     |   |   |
|-----|---|---|
| 5.1 | Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls) | 1 |
| 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 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"/>
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"/>
7	Natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" 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"/>

## **Conservation Measures**

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2.2	National level	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input 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"/>
4.4	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:	
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:** B1ab(ii,iii,v)+2ab(ii,iii,v)

**Rationale for the Red List Assessment:** It is estimated that *C. vettonica* has an AOO<5,000km<sup>2</sup> and an EOO of <500km<sup>2</sup>. It is only found at one location (Arrago River a tributary to the Tagus River) where it is threatened by agricultural water pollution, drought and introduced predators.

**Current Population Trend:** Decreasing

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

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

**Evaluator:** J. Carmona

**Notes on Red listing:**

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### **Bibliography**

Perdices, A. & Doadrio, I., 2001, The molecular systematics and biogeography of the European Cobitids based on mitochondrial DNA sequences., *Molecular Phylogenetics and Evolution*, , , 19, 468-478, ,

Doadrio, I. & Perdices, A., 1997, Taxonomic study of the Iberian Cobitis (Osteichthyes, Cobitidae), with description of a new species., *Zool. J. Linn. Soc.*, , , 119, 51-67, ,

Doadrio, I., 2001, , , Atlas y libro rojo de los peces continentales de España, , , 374, MMA, CSIC, Madrid