

# Cobitis maroccana

Taxonomic Authority: Pellegrin, 1929

Synonyms:

Order: Cypriniformes

Notes on taxonomy:

Region: 1

Common Names:

Family: Cobitidae

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

It is restricted to the small tributaries of 2 rivers, the Loukkos and Sebou, of the Atlantic coast of northern Morocco.

### Habitat and Ecology Information:

No data.

### Conservation Measures:

None.

### Threats:

Introduced competitor Lepomis spp and the Loukkos river there is the threat of pollution from agriculture but only in main channel and not in the tributaries.

### Species population information:

Abundant (Azeroual, A. pers comm).

## Country Distribution

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

## Conservation Measures

Code	Description of threat	Past	Present	Future	Code	Conservation measures	In place	Needed
2	Invasive alien species (directly affecting the species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	Policy-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.1	Competitors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<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"/>
9.9	Restricted range	<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"/>
					1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					1.2.2.1	International level	<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 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"/>

## 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%

Other purpose: Not used at all.  
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: Vulnerable (VU)  Possibly Extinct

Red List Criteria: B2ab(iii); D2

Rationale for the Red List Assessment: The introduced competitor Lepomis spp is present in both of the C. maroccana river catchments (Loukkos and Sebou) and can impact upon the entire population and is causing a continuous decline habitat quality. The AOO is estimated to be <2,000km2.

Current Population Trend: Unknown

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: A. Azeroual

**Notes on Red listing:**

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**Bibliography**

Azeroual, A., Crivelli, A.J., Yahyaoui, A. & Dakki, M., 2000, L'ichtyofaune des eaux continentales du Maroc., *Cybiu*, , , 24 (Suppl), 17-22, ,  
Azeroual, A., 2003, , , Monographie des poissons des eaux continentales du Maroc: systématique, distribution et ecologie., , , PhD , University Mohammed V, Rabat, Morocco