Committee   Comm	Cobitis maroccana Taxonomic Authority: Pellegrin, 1929			Region: 1				
The content of the co								
Seeneral Information	Synonyms:			Comm	on Names:			
Seeneral Information	Order: Cypriniformes			Family	<i>r</i> : Cobitidae			
Terrestrial	Notes on taxonomy:							
Terrestrial	General Information							
The restricted to the small inbularies of 2 rivers, the Loukkos and abobtou. of the Allandic coast of notherm Morocco.  Conservation Measures:  None.    Interval   I	Biome	Terrestria	al	✓ Freshwat	er $\square$	Marine		
Species population Information: Abundant (Azeroual, A. pers comm).    Presence Confirmed   Pr	Geographic Range of species:	_		Habita	t and Ecology Info	rmation:		
Introduced competitor. Lepomis spp and the Louktos river there is the threat of pollution from agriculture but only in main channel and not in the tributaries.    Secondart (Azeroual, A. pers comm).		,	ıkkos and	No dat	a.			
threat of pollution from agriculture but only in main channel and not in the tributaries.    Presence   Presen	Conservation Measures:							
Nativation   Nativation   Nativation   Nativation   Nativation   Nativation   Presence	None.			threat of pollution from agriculture but only in main channel and not in				
Nativariance   Nativariance   Nativariance   Presence	Species population information.			the trib	utaries.			
Native   Presence   Native   Presence   Extinct   Reintroduced   Introduced   Vagrant								
Presence	,	Native -	Native -					
Very	Country Distribution	Presence	Presence	Extinct Rei	ntroduced Introduc	ced Vagrant		
Stationaling   Sta	Morocco							
Stationaling   Sta	Unner Level Hebitet Breferen	200	9/	ore Low	or Lovel Habita	ot Droforonoo	Score	
Second					er Level Habita	it Preferences	30016	
Major threats	,	rosittant/Irraquila		4				
Name		milleni/irreguia	<b>1</b> 1	1				
Name	Major threats			Con	servation Meas	sures		
species) 2.1 Competitors   1.2 Legislation   1.2.1 Development   1.2.2 Development   1		P	ast Present F				In place Needed	
2.1 Competitors		affecting the		<b>v</b> 1	Policy-based action	ons		
9 Intrinsic factors	• •	I			•			
9.9 Restricted range    V   V   1.2.1.2 National leve    V   V   1.2.2.2 National leve    V   V   1.2.2.2 National leve    V   V   1.2.2.2 National leve    V   V   1.2.2.1 International leve    V   V   1.2.2.2 National leve    V   V   V   1.2.2.2 National leve    V   V   V   1.2.2.2 National leve    V   V   V   V   V   1.2.2.2 National leve    V   V   V   V   V   V   V   V   V					•			
9.9 Restricted range    I   I   I   I   I   I   I   I   I								
1.2.2.1 International level	<b>'</b>							
1.2.2.2 National level	<b>3</b>	'		1.2.2	•			
3   Research actions								
3.1   Taxonomy   3.2   Population numbers and range   3.3   Biology and Ecology   3.4   Habitat stus   3.5   Threats   3.8   Conservation measures   3.9   Trends/Monitoring								
Subsistence   Subsistence   National   International   Other purpose: Not used at all.					_			
Subsistence   Subsistence   National   International   Other purpose: Not used at all.				3.2	Population number	ers and range		
Utilisation of Species Purpose/Type of Use Subsistence Validinary 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 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:  Red Listing Red List Assessment: Vulnerable (VU) 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.				3.3	Biology and Ecolo	ogy		
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:  Red Listing Red List Assessment: Vulnerable (VU) 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.				3.4	Habitat status			
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:  Red Listing Red List Assessment: Vulnerable (VU) 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.								
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:  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.								
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:  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.				3.9	i rends/Monitoring	)		
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:  Red Listing Red List Assessment: Vulnerable (VU)  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.			Subsistanca	Nations	al International	Other nurnese:		
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:  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.	r dipose/Type of ose	·	oubsisterice	Nation	international			
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.	Primary forms removed from the wild	100%	% <b>&gt;75</b> %	51-75%	26-50% <25%	Other forms removed	I from the wild:	
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.	Source of specimens in commercial to	trade 100%	% <b>&gt;75</b> %	51-75%	26-50% <25%	Other source of spec	imens:	
Red Listing  Red List Assessment: Vulnerable (VU)  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.	Trend in wild offtake/harvest in relation	on to total wil	d population	numbers o	ver last five years:			
Red List Assessment: Vulnerable (VU)  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.	•	rough domest	ication/culti	vation over I	ast five years:			
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.	Red Listing							
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.	Red List Assessment: Vulnerable (	VU)			Possibly Extinct			
(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.	Red List Criteria: B2ab(iii); D2							
	Rationale for the Red List Assessmen	(Loukkos	and Sebou)	and can imp	act upon the entire p	population and is causing		
	Current Population Trend: Unknow		avitat quality					

Assessor(s): A.J. Crivelli

A. Azeroual

Evaluator:

## Notes on Red listing:

## **Bibliography**

Azeroual, A., Crivelli, A.J., Yahyaoui, A. & Dakki, M., 2000, L'ichtyofaune des eaux continentales du Maroc., Cybium, , , 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