Cottus petiti Taxonomic Authority: Bacescu & Bacescu-Mester, 1964 Synonyms:				J	Region: 1 Common Names:					
Order:	Scorpaeniformes			Fami	lv: Cot	tidae				
	on taxonomy:				. y . 000	uddo				
Gener	ral Information									
Biome		Terrestrial		✓ Freshwa	iter		Marine			
Geographic Range of species: It is restricted to a 3 km stretch of the Lez River from the spring to the Lirou tributary in southern France north of the town of Montpellier. Conservation Measures: It is listed in the Annex II of the Habitat Directive of EU.					Habitat and Ecology Information: The Lez River is fed by a large resurgence draining a karstic plateau. Substrate is gravel and stony beds, temperature rarely exceed 20°C. Discherge is very regular. Threats: Water pollution, drying out of River Lez, and introduction of Cottus gobio is a major threat. Water extraction for drinking water for the					
				-	is a major t pellier town.	hreat. Wa	ter extraction for drinki	ng water for the	е	
Species No data	s population information:									
Count France	try Distribution C	Presence Pr	ative - esence ossible	Extinct R	eintroduced	Introduc	ed Vagrant			
5.1 W	er Level Habitat Preferences Vetlands (inland) - Permanent Rivers includes waterfalls) Vetlands (inland) - Freshwater Spring	s/Streams/Cree		ore <u>Lov</u> 1 1	ver Level	l Habita	t Preferences		Score	
Majo	r threats			Coi	nservatio	n Meas	<u>ures</u>			
Code	Description of threat	Past	Present Fu	uture Cod	e Conserv	ation me	asures	In place	Needed	
1 1.3	Habitat Loss/Degradation (human Extraction	induced) 🗸	✓	✓ 1 ✓ 1.2	Policy-ba	ased actio on	ns	✓		
1.3.6 2	Groundwater extraction Invasive alien species (directly affe species)	ecting the			.1 Internation	onal level		✓		
6	Pollution (affecting habitat and/or s	species)			2 Impleme 2.1 Internation			✓		
6.3	Water pollution				3 Research actions				✓	
7 7 1	Natural disasters				3 Research actions 3.1 Taxonomy □				✓	
7.1 9	Drought Intrinsic factors	■	✓	✓ 3.2 ✓ 3.3				■	~	
9.1	Limited dispersal				3.3 Biology and Ecology3.4 Habitat status					
9.9	Restricted range	~	<u></u>		O.1 Habitat otatao			✓		
			3.8	3.8 Conservation measures				<u></u>		
				3.9	I rends/N	/lonitoring			✓	
	tion of Species se/Type of Use	Sul	bsistence	Natio	nal Intern	ational	Other purpose:			
Primar	ry forms removed from the wild	100%	>75%	51-75%	26-50%	<25%	Other forms remove	ed from the wi	ild:	
Source of specimens in commercial trade 10		de 100%	>75%	51-75%	26-50%	<25%	Other source of spe	urce of specimens:		
	in wild offtake/harvest in relation in offtake/harvest produced throu					-				
Red Li	Listing ist Assessment: Vulnerable (VU) ist Criteria: D2)			Possibly E	xtinct				
Ration	Rationale for the Red List Assessment: C. petiti occurs in one small restricted location (3 km stretch of the Lez River) with an AOO<20km2. Future introduction of C. gobio could cause the extinction of the species. Recent genetic work (Eppe et al., 1999) showed that this species is not different than any Cottus gobio populations. Consequently, its taxonomy might be wrong and further investigations on a large geographical scale is needed.									
	nt Population Trend: Stable sor(s): A.J. Crivelli			Date	of Assess	ment:	31/10/2004			

Evaluator:

J. Freyhof

Notes on Red listing:

Bibliography

Persat, H., Beaudou, D. & Freyhof, J., 1996, The sculpin of the Lez spring (South France), Cottus petiti (Bacescu and Bacescu-Mester, 1964), one of the most threatened fish species in Europe., , Cobservation of Endangered Freshwater Fish in Europe, Kirchhofer, A. & Hefti, D., , 321-328, Birkhäuser Verlag, Basel, Switzerland

Eppe, R., Persat, H., Beaudou, D. & Berrebi, P., 1999, Genetic variability in sculpin (Genus Cottus) from southern France, with reference to the taxonomic status of an endemic species, C. petiti., Heredity, , , 83, 533-540, ,