<u>Mirogrex hulensis</u>		Region: 1	
Taxonomic Authority: (Goren, Fishelson Synonyms:	& Trewavas, 1973)	Common Names:	
	Fishelson & Trewavas, 19		
Order: Cypriniformes		Family: Cyprinidae	
Notes on taxonomy: Initially recorded as	Acanthobrama hulensis. Sh	ould be Mirogrex hulensis	s (M. Goren & N. Bogutskaya, pers. comm.)
General Information			
Biome	Terrestrial V Fr	eshwater	Marine
Geographic Range of species: This species was restricted to the Hula basin	in northern Israel.	Habitat and Ecology Inf A. hulensis lived in Lake mm total length, spawned	Hula and its adjacent marshes. It reached 230
Conservation Measures: Threats:			
Drainage of Lake Hula and change of water quality in Hula reserv resulted in the extinction of the species.			
Species population information: Now extinct. The fish was last recorded in 19	75.	resulted in the extinction	or the species.
Pr	ative - Native - esence Presence Extin nfirmed Possible	ct Reintroduced Introdu	uced Vagrant
Israel			
<ul> <li>5.5 Wetlands (inland) - Permanent Freshw</li> <li>Major threats</li> <li>Code Description of threat</li> <li>1 Habitat Loss/Degradation (human in</li> <li>1.3 Extraction</li> <li>1.3.6 Groundwater extraction</li> </ul>	Past Present Future	Conservation Mea	
Utilisation of Species			
Purpose/Type of Use	Subsistence	National International	<i>Other purpose:</i> Not used
Primary forms removed from the wild	100% >75% 51	-75% 26-50% <25%	6 Other forms removed from the wild:
Source of specimens in commercial trade	e 100% >75% 5 <sup>,</sup>	1-75% 26-50% <25%	6 Other source of specimens:
Trend in wild offtake/harvest in relation to	total wild population num	bers over last five years	:
Trend in offtake/harvest produced throug CITES:		-	
Red Listing Red List Assessment: Extinct (EX) Red List Criteria:	Possibly Extinct		
Rationale for the Red List Assessment:	The Hula lake and adjacent marshes were drained in the 1970s. Drainage of the lake resulted in the species being restricted to marsh and pond areas in Hula nature reserve. The reserve management switched from using spring water to fish pond water in the species' habitat, resulting in decline and the extinction of the fish within six years of doing so. The species was last recorded in 1975.		
Current Population Trend:		Date of Assessment:	31/10/2004
Assessor(s): A.J. Crivelli			
<b>Evaluator:</b> M. Goren, N. Bogutskaya, F	. Erk'akan & A. Karatash		
Notes on Red listing: Previous Red List assessment: EX (WCMC 1996)			

## **Bibliography**

Krupp, F. & Schneider, W., 1989, The fishes of the Jordan river drainage basin and the Azraq Oasis., Fauna of Saudi Arabia, , , 10, 347-416, , Goren, M. & Ortal, R., 1999, Biogeography, diversity and conservation of the inland water fish communities in Israel., Biological Conservation, , , 89, 1-9, ,