Aphanius richardsoni		Region: 1
Taxonomic Authority: (Boulenger 1907)		
Synonyms:		Common Names:
Order: Cyprinodontiformes		Family: Cyprinodontidae
Notes on taxonomy:		•
General Information		
Biome	Terrestrial 🗸 F	reshwater
Geographic Range of species:		Habitat and Ecology Information:
Occurs in the Dead Sea region. The species springs west and south of the lake, from Eno the north to Ne'ot Ha'Kikar in the south. Also the Jordanian side.	t Zuqim (En Fashkha) in	Streams and pools on a variety of foundations.
Conservation Measures:		Threats:
In order for this species to survive, it is neces of the natural landscapes in this area and reg monitor them. The impact of groundwater pul Zuqim, Enot Samar and Enot Qaneh should	gularly manage and mping on the flow of Enot	Exploitation of spring waters. In the Ne'ot Ha'Kikar region where natural habitats were destroyed, the species only survives in the drainage channels of cultivated areas and in the Dead Sea Works collecting channel. Increased water exploitation may lead to complete extinction of this fish in the Ne'ot Ha'Kikar region. The situation in the area of Enot Zuqim is unclear. Intensified water pumping from the aquifer could be detrimental to the springs and the fish inhabiting them. Introduction of invasive species such as Gambusia, Cichlids and other exotic species also pose a threat to the species.
Species population information:		
In the Ne'ot Ha'Kikar region, the population is given to extreme fluctuations due to human a population is also in the thousands. In other sepopulation size has decreased drastically in There is no connection between populations springs close to those in the northern Dead Seno continuous link between the Enot Zuqim per Qaneh and Enot Samar, but there is a possification of the populations of the populations via the populations via	activity. At Enot Zuqim, sites, dozens are present. Israel in the past 50 years. of the Ne'ot Ha'Kikar sea area springs. There is sopulation and that of Enot bility that at times of strong med in the Dead Sea that	
	ative - Native -	
		nct Reintroduced Introduced Vagrant
Country Distribution	onfirmed Possible	
Israel Jordan		
Upper Level Habitat Preferences Score Lower Level Habitat Preferences Score		
5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks 1		
(includes waterfalls) 5.7 Wetlands (inland) - Permanent Freshw (under 8ha)	vater Marshes/Pools 1	
Major threats		Conservation Measures
Code Description of threat	Past PresentFuture	Code Conservation measures In place Neede
1 Habitat Loss/Degradation (human in		4 Habitat and site-based actions
1.3 Extraction		4.1 Maintenance/Conservation
1.3.6 Groundwater extraction		4.2 Restoration
2 Invasive alien species (directly affect species)	eting the 🗸 🗸	
Utilisation of Species		
Purpose/Type of Use	Subsistence	National International Other purpose:
Primary forms removed from the wild	100% >75% 5	1-75% 26-50% <25% Other forms removed from the wild:
Source of specimens in commercial trade	e 100% >75% 5	1-75% 26-50% <25% Other source of specimens:
Trend in wild offtake/harvest in relation to		nbers over last five years:
Trend in offtake/harvest produced throug	• •	-
Red Listing Red List Assessment: Critically Endang Red List Criteria: B2ab(i,ii,iii,iv)c(i)	ered (CR)	Possibly Extinct
Rationale for the Red List Assessment:	population is naturally frag occupancy and population	re main areas. Area of occupancy is estimated as less than 10 km². The mented broken into 3 locations. There is continuing decline in area of size. The range of the species and number of mature individuals are ion as a result of human activities affecting the habitat.

Date of Assessment: 14/12/2004

Current Population Trend:

Decreasing

Darrotte Darration Florida Doctoring

Assessor(s): M. Goren

Evaluator: N. Bogutskaya, A. Karatash & F. Erk'akan

Notes on Red listing:

Bibliography

, 2002, , , The Red Data Book of Threatened Vertebrates in Israel, Dolev, A. and Perevolotsky, A., , , Israel Nature and National Parks Protection Authority and Society for the Protection of Nature in Israel, Jerusalem