

# Tristramella sacra

Taxonomic Authority: (Günther, 1864)

Synonyms:

Region: 1

Common Names:

Order: Perciformes

Family: Cichlidae

Notes on taxonomy:

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is restricted to the Kinneret (Tiberias) Lake in Israel. The genus is endemic to the Levant.

### Habitat and Ecology Information:

A lacustrine species. Reproduction occurs in spring (April-July): it is a paternal mouth-breeder. The species feeds on zooplankton and small fish.

### Conservation Measures:

None known to be in place.

### Threats:

Destruction of breeding habitat (marsh area in north part of the lake) may be the reason for its apparent disappearance. The marsh area was dry in 1991, then again in mid 1990s, as a result of droughts.

### Species population information:

This species may be extinct. It was last seen in 1989/90. Since then, it has not been found (either in the lake or in local markets) in spite of attempts to find it.

## Country Distribution

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

5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha) 1

## Major threats

Code	Description of threat	Past	Present	Future
7	Natural disasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.1	Drought	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1.1	International 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"/>
3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.4	Habitat status	<input checked="" type="checkbox"/>	<input 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:		
1. Food - human	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	50 tons of both species of Tristramella in the eighties		
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:	Unknown					
Trend in offtake/harvest produced through domestication/cultivation over last five years:	Unknown					
CITES:	Not listed					

## Red Listing

Red List Assessment: Critically Endangered (CR)  Possibly Extinct

Red List Criteria: A2abc

Rationale for the Red List Assessment: Endemic to one lake in Israel. The species has not been recorded since 1990, in spite of searches for the species both in the lake and in local markets. Destruction of breeding habitat (marsh area in north part of the lake) may be the reason for its apparent disappearance. Drought resulted in the spawning area drying out in 1991 then again in mid 1990s. The species may already be extinct, but further searches are necessary to confirm this.

Current Population Trend: Unknown

Date of Assessment: 16/12/2004

Assessor(s): M. Goren

Evaluator: N. Bogutskaya

**Bibliography**

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- Spataru, P. & Gophen, M., 1986, Food composition of *Tristramella sacra* (Günther, 1864) (Cichlidae) in Lake Kinneret 5Israel), Israel Journal of Zoology, , , 34, 183-189, ,
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