

Telestes beoticus

Taxonomic Authority: (Stephanidis, 1939)

Synonyms:

Region: 1

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

It is restricted to the catchment rivers for Lakes Yliki and Paralimni [now totally drained] and the rivers Assopos and Kifissos in Greece.

Habitat and Ecology Information:

Lives in running water with aquatic plants.

Conservation Measures:

None

Threats:

Water extraction and pollution, and drought.

Species population information:

Local declines are reported but the sub-population is stable within Livadia city (a large system of springs).

Country Distribution

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

- | | | |
|-----|---|---|
| 5.1 | Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls) | 1 |
| 5.2 | Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks | 1 |
| 5.5 | Wetlands (inland) - Permanent Freshwater Lakes (over 8ha) | 9 |

Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.3	Commercial/Industrial	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>
1.2.1.2	National 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"/>
1.2.2.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Taxonomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input checked="" type="checkbox"/>	<input 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:		
				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: Endangered (EN) Possibly Extinct

Red List Criteria: B1ab(i,ii,iii,iv,v)

Rationale for the Red List Assessment: This species has a relatively restricted range (estimated EOO<5000 km2) and is only found in 2 to 5 separate locations. It has been reported as declining since the 1970s and this decline continues. The AOO has declined with the loss of the species from the Assopos river, and habitat quality and extent continues to decline due largely to water extraction for the tobacco plantations.

Current Population Trend: Decreasing

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Barbieri, R. & Kottelat, M.

Notes on Red listing:

Bibliography

Economidis, P.S., 1995, Endangered freshwater fishes of Greece, *Biological Conservation*, , , 72, 201-211, ,

Economidis, P.S., 1991, , , Check list of freshwater fishes of Greece., , , 10-11, Hellenic Society for the Protection of Nature, Athens

Ketmaier, V. Cobolli, H., Mattheais, E.D. & Bianco, P.G., 1998, Allozymic variability and biogeographic relationships in two *Leuciscus* species complexes (Cyprinidae) from southerneurope, with the rehabilitation of the genus *Telestes* Bonaparte., *Italian Journal of Zoology*, , , 65 (suppl.), 41-48, ,

Ketmaier, V., Bianco, P.G., Cobolli, M., Krivokapic, M., Caniglia, R. & De Mattheais, E., 2004, Molecular phylogeny of two lineages of Leuciscinae Cyprinids (*Telestes* and *Scardinius*) from the Peri-Mediterranean are based on cytochrome b data., *Molecular Phylogenetics and Evolution*, , , 32, 1061-1071, ,