

# Leuciscus anatolicus

Taxonomic Authority: Bogutskaya, 1997

## Synonyms:

Leuciscus lepidus anatolicus

Order: Cypriniformes

## Notes on taxonomy:

Region: 1

## Common Names:

Family: Cyprinidae

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is restricted to Lake Beysehir basin in Central Anatolia. It may also occur in Aksehir lake, but this is to be confirmed (the record may be referring to a different species) (Erk'akan and Tatlidil 2003).

### Conservation Measures:

The Lake Beysehir area is a national park.

### Habitat and Ecology Information:

It is lacustrine species and also riverine. Active predator, feeding on fish. Spawns in rivers.

### Threats:

In Beysehir Lake, the water is not polluted however, there are introduced zander Sander lucioperca in the lake and associated tributaries. There is likely to be competition between these two predatory species.

### Species population information:

Found in one location for certain (possibly two, but this has to be confirmed). The population in Lake Beysehir is reported as abundant.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Turkey	<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
2	Invasive alien species (directly affecting the species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.1	Competitors	<input checked="" 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
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Taxonomy	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" 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

1. Food - human

### Subsistence

### National

### International

### Other purpose:

### 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: Endangered (EN)

Possibly Extinct

Red List Criteria: B2ab(v)

### Rationale for the Red List Assessment:

The species is known from Lake Beysehir. It may also occur in Aksehir Lake, but there is some doubt about this (may be a different species). Total range is less than 500 km<sup>2</sup>. The species is fished locally for food. There is also competition from introduced species. As a result, the population is declining. Assessed as Endangered.

Current Population Trend: Decreasing

Date of Assessment: 15/12/2004

Assessor(s): A.J. Crivelli

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

## Notes on Red listing:

## Bibliography

Bogutskaya, N.G., 1997, Contribution to the knowledge of leuciscine fishes of Asia Minor. Part. 2. An annotated check-list of leuciscine fishes (Leuciscinae, Cyprinidae) of Turkey, with descriptions of a new species and two new subspecies., Mitt. Hamb. Zool. Mus. Inst., , 94, 161-186, , Erk'akan, F. and Tatlidil, H., 2003, Comparison of Leuciscus cephalus (Linnaeus, 1758) and Leuciscus lepidus (Heckel, 1843) (Pisces: Cyprinidae) populations from three different lakes of Turkey, Travauxdu Museum National d'Histoire Naturelle, , XLV, 295-305, ,