

Pseudophoxinus egridiri

Taxonomic Authority: (Karaman, 1972)

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 tributaries Lake Egirdir in Central Anatolia, Turkey.

Habitat and Ecology Information:

A small species. Occurs in brooks and springs. Prefers slow-moving water (not lacustrine).

Conservation Measures:

None known to be in place.

Threats:

Introduction of exotic fish predator. In 1955 was introduced the zander, *Stizostedion lucioperca*. Three species of *Phoxinellus*, perfect prey for the zander, totally disappeared 30 years later. *P. egridiri* was thought to have disappeared, but it was rediscovered in 1993 (F. Erk'akan, pers. comm.).

Species population information:

In 1993, the species was caught from a spring connected with Egirdir Lake. However, it is no longer known from other tributaries of the lake.

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"/>
2.2	Predators	<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
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Habitat and site-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2	Restoration	<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:

Decreasing

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: B1ab(i,ii,iv,v)+2ab(i,ii,iv,v)

Rationale for the Red List Assessment:

This species was restricted to tributaries around Lake Egirdir. It was thought to have disappeared after the introduction of *Stizostedion lucioperca*. However, in 1993 the species was found in one spring connected to the lake. *S. lucioperca* was also found there, but *P. egridiri* may be able to find protection in vegetation in the spring. Very restricted range (EOO <100 km², AOO <10 km²), one

location and decline in range and population size as a result of introduced predators.

Current Population Trend: Decreasing

Date of Assessment: 16/12/2004

Assessor(s): A.J. Crivelli & F. Erk'akan

Evaluator: A. Karataş & F. Erk'akan

Notes on Red listing: Previous Red List assessment: CR A1e (WCMC 1996)

Bibliography

Balik, S., 1995, Freshwater fish in Anatolia, Turkey., Biological Conservation, , , 72, 213-223, ,

Crivelli, A.J., 1995, Are fish introductions a threat to endemic freshwater fishes in the northern Mediterranean region?, Biological Conservation, , , 72, 311-319, ,