

Aphanius sureyanus

Taxonomic Authority: Neu, 1937

Synonyms:

Region: 1

Common Names:

Order: Cyprinodontiformes

Family: Cyprinodontidae

Notes on taxonomy: Initially recorded as *Aphanius burduricus* Aksiray, 1948. Valid as *Aphanius sureyanus* Neu 1937 (N. Bogutskaya (pers. comm.)).
Recent genetic investigations on *Aphanius* of Central Anatolia (Hrbek et al, 2002) showed that this species does not exist, or at least is not restricted to Lake Burdur, but would have a larger distribution.

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

It was believed that this species was restricted to Lake Burdur in Central Anatolia. However, recent research indicates that it has a wider distribution (Hrbek et al. 2002, Wildekamp et al 1999). It has been recorded from Lake Egirdir to Lake Kovada and Lake Beysehir outlet into the Konya plains).

Habitat and Ecology Information:

It lives in the littoral zone.

Conservation Measures:

None known to be in place.

Threats:

Water pollution is the main threat to the species. Not known to be utilised at present, but collection for the aquarium trade is a potential future threat.

Species population information:

No data are currently available.

	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"/>

Country Distribution

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
3	Harvesting (hunting/gathering)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Cultural/scientific/leisure activities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.5.3	Regional/international trade	<input 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"/>
6.3.2	Domestic	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input 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"/>
3.6	Uses and harvest levels	<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:
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25% <i>Other forms removed from the wild:</i>
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25% <i>Other source of specimens:</i>

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: Data Deficient (DD) Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: The taxonomy of this species is uncertain after a recent genetic study, and may be wrong. In addition data on abundance and trend are not convincing. Although pollution does occur throughout the known range, the species' full range area is not known.

Current Population Trend: Unknown

Date of Assessment: 14/12/2004

Assessor(s): A.J. Crivelli

Evaluator: A. Karataş, F. Erk'akan, N. Bogutskaya & M. Goren

Notes on Red listing: Previous Red List assessment: EN A2e (WCMC, 1996). Status change due to taxonomic uncertainty and uncertainty in

Bibliography

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

Hrbek, T., Küçük, F., Frickey, T., Stölting, K.N., Wildekamp, R.H. & Meyer, A., 2002, Molecular phylogeny and historical biogeography of the *Aphanius* (Pisces, Cyprinodontiformes) species complex of central Anatolia, Turkey., Molecular Phylogenetics and Evolution, , , 25, 125-137, ,