

Silurus aristotelis

Taxonomic Authority: Garman, 1890

Synonyms:

Region: 1

Common Names:

Order: Siluriformes

Family: Siluridae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

Restricted to Lakes Trichonis, Lyssimachia and Amvrakia in western Greece. It has been introduced in the 1980s to Lake Volvi, northern Greece and to Lake Pahvotis in western Greece (date of introduction unknown).

Habitat and Ecology Information:

It lives in lakes exclusively.

Conservation Measures:

It is listed in Annex II of the EU Habitats Directive and in Appendix III of the Bern Convention.

Threats:

Water pollution. Overfishing.

Species population information:

No data.

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 checked="" 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
1	Habitat Loss/Degradation (human induced)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.2	Domestic	<input 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"/>
9.7	Slow growth rates	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.2	Legislation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2.1	International level	<input checked="" type="checkbox"/>	<input 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"/>
3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Species-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.3	Sustainable use	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.3.1	Harvest management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Utilisation of Species

Purpose/Type of Use

1. Food - human

Subsistence

National

International

Other purpose:

The gonads are consumed

Primary forms removed from the wild

100%

>75%

51-75%

26-50%

<25%

Other forms removed from the wild:

1. Whole animal/plant

Source of specimens in commercial trade

100%

>75%

51-75%

26-50%

<25%

Other source of specimens:

Wild

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: Data Deficient (DD)

Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: There is insufficient information on population status to make an assessment at present.

Current Population Trend: Unknown

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Barbieri, R. & Kottelat, M.

Bibliography

Triabtafyllidis, A., Abatzopoulos, T.J. & Economidis, P.S., 1999, Genetic differentiation and phylogenetic relationships among Greek *Silurus glanis* and *Silurus arctostei* (Pisces, Siluridae) populations, assessed by PCR-RFLP analysis of mitochondrial DNA segments., *Heredity*, , , 82, 503-509, ,

Triantafyllidis, A., Abatzopoulos, T.J., Leonardos, J. & Guyomard, R., 2002, Microsatellite analysis of the genetic population structure of native and translocated Aristotle's catfish (*Silurus arctostei*)., *Aquatic Living Resources*, , , 15, 351-359, ,

Economou, A.N., Daoulas, C., Psarras, T. & Barbieri-Tseliki, R., 1994, Freshwater larval fish from Lake Trichonis (Greece)., *Journal of Fish Biology*, , , 45, 17-35, ,