

Valencia letourneuxi

Region: 1

Taxonomic Authority: (Sauvage, 1880)

Synonyms:

Common Names:

Order: Cyprinodontiformes

Family: Valenciidae

Notes on taxonomy: It is possible that the sub-population from Peloponnese is a separate species (Bainco & Miller 1989)

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

Restricted to the southern part of Albania (Butrint lake) and to western Greece (it is thought probably extinct on the islands of Corfu and Lefkas) in the Thyamis (=Kalamas), Louros, Arachthos, Agios Dimitros, Achelooos rivers, and the Vlychos and Chiliadou springs. It is also found in Peloponnese (Pinios and Alfios rivers). The species is know from a few locations along the coast (each of a few square meters). It is not know from inland.

Habitat and Ecology Information:

Lives in freshwaters rich in submerged vegetation which provides food, spawning substrate, and protection against predators.

Conservation Measures:

It is listed in Appendix II of the Bern Convention [incorrectly listed as Valaennia hispanica - possibly since corrected].

Threats:

Habitat destruction, water abstraction, and aggressive interaction with Gambusia.

Species population information:

Dramatically decreasing.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Albania	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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
5.7 Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1
5.9 Wetlands (inland) - Freshwater Springs and Oases	1
10.6 Coastline - Coastal Brackish/Saline Lagoons	2

Major threats

Conservation Measures

Code	Description of threat	Past	Present	Future	Code	Conservation measures	In place	Needed
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.3.6	Groundwater extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.4.6	Dams	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.5	Low densities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>
					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"/>
					4.4	Protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.1	Identification of new protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4.2	Establishment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5	Species-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.1	Re-introductions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.4	Recovery management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:
				Not utilised.
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%

Other forms removed from the wild:

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: Not listed

Red Listing

Red List Assessment: Critically Endangered (CR)

Possibly Extinct

Red List Criteria: A3ce; B2ab(i,ii,iii,iv,v)

Rationale for the Red List Assessment: This species has undergone a suspected > 50% population decline in the last 10 years as based on a decline in EOO and AOO and the impact of introduced species, and pollutants. The projected decline is even more severe with a projected decline of more than 80% in the next 10 years due to continued decline in AOO and EOO and the impacts of introduced alien species. In addition, the species has a restricted distribution (estimated EOO < 5,000 km², estimated AOO < 10 km²) which is severely fragmented and continues to decline. The number of locations and the number of mature individuals also continues to decline. The species therefore qualifies as Critically Endangered under Criterion A3. Recent investigations have shown that this species has disappeared from at least two locations (Corfu and Lefkada islands), however, new locations have been found. Re-introduction and/or translocations, combined with effective conservation measures, would help to stop the decline of this species

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

- Bianco, P.G & Miller, R.R., 1989, First record of Valencia letourneuxi (Sauvage, 1880) in Peloponnese (Greece) and remarks on the Mediterranean family of Valenciidae (Cyprinodontiformes), *Cybium*, , , 13, 385-387, ,
- Barbieri, R., Daoulas, Ch., Psarras, Th., Stoumboudi, M. & Economou, A., 2000, The biology and ecology of Valencia letourneuxi Sauvage 1880 (Valenciidae) - Prospects for conservation., *Mediterranean Marine Science*, , , 1, 75-90, ,
- Barbieri, R., Economou, A.N., Stoumboudi, M. Th. & Economidis, P.S., 2002, Freshwater fishes of Peloponnese (Greece): distribution, ecology and threats., , *Conservation of Freshwater Fishes: Options for the Future.*, Collares-Pereira, M.J., Cowx, I.G. & Coelho, M.M., , 55-64, Fishing News Book, Oxford, U.K.
- Bianco, P.G., Ahnelt, A. & Economidis, P., 1996, The freshwater fish from eastern and large Mediterranean islands with comments on their safety status., *Acta Universitatis Carolinae*, , , 40, 45-60, ,
- Barbieri, R., Stoumboudi, M. Th. & Economou, A. N., 2002, Threatened fishes of the world: Valencia letourneuxi Sauvage, 1880 (Valenciidae),). *Env. Biol. Fish.*, , , 65, 46, ,