

# Alburnus albidus

Taxonomic Authority: (Costa, 1838)

Synonyms:

Region: 1

Common Names:

Vulturino	Italian
White bleak	English
Alborella meridionale	Italian

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

Endemic to southern Italy. On the Tyrrhenian side it's natural range includes the area from the Voltumo to Alento rivers. Introduced sub-populations are found in the Mingardo, Bussento, Lao, and Savuto rivers. On the Adriatic side it's natural range is from the Trigno to Basento rivers. It has not been introduced to this area.

### Habitat and Ecology Information:

Ubiquitous throughout rivers, streams, and dams.

### Conservation Measures:

Listed in the Annex II of the Habitats Directive of EU and in Annex III of the Bern Convention.

### Threats:

Habitat destruction, introduced species (*Rutilus rubilio*, in particular), and hybridization with *Leuciscus cephalus*.

### Species population information:

Abundant and widespread within its range but has declined by 50% in the past 10 years due to introduction of *Rutilus rubilio* (Picariello et al. 2004).

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Italy	<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

5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)

1

## Major threats

## Conservation Measures

Code	Description of threat	Past	Present	Future	Code	Conservation measures	In place	Needed
2	Invasive alien species (directly affecting the species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.3	Hybridizers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<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"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.3.1	Agriculture	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.2	Domestic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	Species-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input type="checkbox"/>	<input checked="" 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 used at all		
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:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES:

## Red Listing

Red List Assessment: Vulnerable (VU)  Possibly Extinct

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

Rationale for the Red List Assessment: Assessed as Vulnerable on the basis that it has an estimated AOO of less than 2,000km<sup>2</sup>, where it is restricted to 10 separate river basins (treated as separate locations on the basis of known threats from introduced species), and is suffering from an ongoing range reduction (due to the impact of the invasive species *Rutilus rubilio*), a decline in habitat quality, mainly due to channelisation and piping of water courses, and a decline in EOO and AOO. A decline in the number of mature individuals is assumed due to the reduction in AOO.

Current Population Trend: Decreasing

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Bianca C. Kottelat, M. & Ersehoff, I.

**Evaluator:** BIANCO, G., KOTTELAT, M. & FREYHOFF, J.

**Notes on Red listing:**

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**Bibliography**

Picariello, O., Bianco, P.G. & Belfiore, C., 2004, , Carta ittica della provincia di Avellino, , , pp. 232, ,

Finamore, F., Bianco, P.G. & Milone, M., 2004, Genetic diversity among Italian bleak, *Alburnus albidus* populations from Southern Italy: preliminary analysis of cytochrome b sequence variation., , Ecologia. Atti del XIII Congresso Nazionale della Societa Italiana di Ecologia, Cassagrandi, R. & Meli, P., , , Arcane, Rome