

Vimba melanops

Region: 1

Taxonomic Authority: (Heckel, 1837)

Synonyms:

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

Restricted to Thessaly, Macedonia and Thrace in Greece and the Evros river bordering Greece and Turkey. Also reported to extend into Bulgaria and FYROM.

Habitat and Ecology Information:

A predominantly riverine species also present in reservoirs.

Conservation Measures:

None.

Threats:

Habitat destruction. Water pollution and extraction. Dam construction may cause problems but it is not yet clear if this species makes spawning migrations.

Species population information:

No published data.

Country Distribution

| | Native - Presence Confirmed | Native - Presence Possible | Extinct | Reintroduced | Introduced | Vagrant |
|---------------------------------------|-------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Bulgaria | <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"/> |
| Macedonia, the former Yugoslav Republ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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

- 5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls) 1
- 5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha) 1

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"/> | 3 | Research actions | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3 | Extraction | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.1 | Taxonomy | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.6 | Groundwater extraction | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.2 | Population numbers and range | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4 | Infrastructure development | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.3 | Biology and Ecology | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.6 | Dams | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.4 | Habitat status | <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"/> | 3.5 | Threats | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.3 | Water pollution | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.8 | Conservation measures | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7 | Natural disasters | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.9 | Trends/Monitoring | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7.1 | Drought | <input 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"/> | | | | |

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:

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:

The taxonomy of this species remains uncertain. One author argues that this species is the same as Vimba vimba. There is also little published information on its abundance, population trends, or threats.

Current Population Trend: Unknown

Date of Assessment: 31/10/2004

Assessor(s): A.J. Crivelli

Evaluator: Kottelat, M. & Barbieri, R.

Notes on Red listing:

Bibliography

Economidis, P.S., 1995, Endangered freshwater fishes of Greece., *Biological Conservation*, , 72, 201-211, ,

Bogutskaya, N.G., 1997, Contribution to the knowledge of leuciscine fishes of Asia Minor. Part. 2. An annotated check-list of leuciscine fishes (Leuciscinae, Cyprinidae) of Turkey, with descriptions of a new species and two new subspecies., *Mitt. Hamb. Zool. Mus. Inst.*, , 94, 161-186, ,

Durand, J.-D., Tsigenopoulos, C.S., Ünlü, E. & Berrebi, P., 2002, Phylogeny and biogeography of the family Cyprinidae in the Middle East inferred from cytochrome b DNA - Evolutionary significance of this region., *Molecular Phylogenetics and Evolution*, , 22, 91-100, ,