

Barbus canis

Region: 1

Taxonomic Authority: Valenciennes in Cuvier & Valenciennes, 1842

Synonyms:

Tor canis (Cuvier & Valenciennes, 1842)

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy: May be valid as Carassobarbus canis (Cuvier & Valenciennes 1842) (N. Bogutskaya, pers. comm.).

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is restricted to streams and lakes of the Jordan watershed in Israel, Syria and Jordan. Introduced in the Azraq Oasis.

Habitat and Ecology Information:

It is a large size barbel (<660 mm total length). Spawns in summer on gravel. Feeds on invertebrates and fish. In Lake Kinneret it is a commercial species.

Conservation Measures:

None known to be in place.

Threats:

No serious threats in the lake, but the riverine part of the population is threatened by pollution, water extraction, drought and fragmentation (through dam construction).

Species population information:

Very common in Lake Kinneret, less common in associated rivers.

Country Distribution

| | Native - Presence Confirmed | Native - Presence Possible | Extinct | Reintroduced | Introduced | Vagrant |
|----------------------|-------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Israel | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Jordan | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Syrian Arab Republic | <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

| Code | Description of threat | Past | Present | Future |
|-------|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 | Habitat Loss/Degradation (human induced) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3 | Extraction | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.6 | Groundwater extraction | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4 | Infrastructure development | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.6 | Dams | <input checked="" 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"/> |

Conservation Measures

| Code | Conservation measures | In place | Needed |
|---------|--------------------------------|-------------------------------------|-------------------------------------|
| 1 | Policy-based actions | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2 | Legislation | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.1 | Development | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.1.2 | National level | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.2 | Implementation | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.2.2 | National level | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | Research actions | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.1 | Taxonomy | <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 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"/> |

Utilisation of Species

Purpose/Type of Use

1. Food - human

Subsistence

National

International

Other purpose:

37–80 tons between 1982-1991 for B. canis and B. longiceps.

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:

Stable

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

Stable

CITES: Not listed

Red Listing

Red List Assessment: Least Concern (LC)

Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment:

This is a common species in Lake Kinneret. The bulk of the population occurs in the lake, but the smaller, riverine part of the population is declining as a result of pollution, water extraction and drought. The riverine part of the population is also fragmented because of dam construction in the area. Currently slowly declining, but considered Least Concern at present.

Current Population Trend: Decreasing

Date of Assessment: 14/12/2004

Assessor(s): A.J. Crivelli

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

Notes on Red listing:

Bibliography

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