

# Pseudophoxinus kervillei

Region: 1

Taxonomic Authority: (Pellegrin, 1911)

## Synonyms:

Phoxinellus kervillei Pellegrin, 1911

## Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy: Also note the comment under Pseudophoxinus syriacus.

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is restricted to the Orontes river basin (Syria and Turkey), to the Litani river (Lebanon) and in the central and northern part of the Jordan river basin (Israel, Jordan).

### Habitat and Ecology Information:

It lives in slow-flowing water among stone and vegetation. Also found in littoral zone of Lake Kinneret (although rare). It spawns from February to April. Small species (no more than 8 cm).

### Conservation Measures:

None known to be in place.

### Threats:

Water extraction, drought and pollution are the main threats throughout the range.

### Species population information:

Not abundant, but not rare. The population has been stable over the last 10 years in Israel. No population size information is available from Turkey, Syria, or Lebanon. It may be absent from Turkey, but this needs to be confirmed (F. Erk'akan, pers. comm.).

	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"/>
Lebanon	<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
5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<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 checked="" 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 checked="" 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"/>				

## Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:	
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%	Not used at all.
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:

## Red Listing

Red List Assessment: Endangered (EN)  Possibly Extinct

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

Rationale for the Red List Assessment: The species has a relatively wide range, but it is impacted upon by pollution, water extraction and drought throughout its entire range. Area of occupancy is estimated at less than 500 km<sup>2</sup>. Current information indicates at least three locations. None have been found in Turkey in recent years, but further surveys are required to confirm its continued existence here. Assessed as Endangered.

Current Population Trend: Unknown

Date of Assessment: 16/12/2004

Assessor(s): A.J. Crivelli

Evaluator: M. Goren & N. Bogutskaya

**Notes on Red listing:**

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**Bibliography**

- Krupp, F., 1987, Freshwater Ichthyogeography of the Levant., Beihefte zum Tübinger Atlas des Vorderen Orients, , Reihe A 28, 229-237, ,
- Goren, M. & Ortal, R., 1999, Biogeography, diversity and conservation of the inland water fish communities in Israel., Biological Conservation, , , 89, 1-9, ,
- Krupp, F. & Schneider, W., 1989, The fishes of the Jordan river drainage basin and the Azraq Oasis., Fauna of Saudi Arabia, , , 10, 347-416, ,