

Salmo platycephalus

Region: 1

Taxonomic Authority: Behnke, 1968

Synonyms:

Platysalmo platycephalus Behnke, 1968

Common Names:

Order: Salmoniformes

Family: Salmonidae

Notes on taxonomy: The taxonomy of this species should be confirmed using genetic investigations.

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is restricted to tributaries (Sogoksu and Karagöz, near the town Pinarbasi) of River Zamanti, a tributary of the River Seyhan in south-eastern Turkey.

Habitat and Ecology Information:

Lives in mountain streams. Not a migratory species.

Conservation Measures:

None known to be in place.

Threats:

Illegal fishing using nets and the introduction of other trout species (Rainbow trout, Oncorhynchus mykiss - predatory threat on larvae and competitor) are the main threats. Pollution is not a threat in this case (mountainous area).

Species population information:

The population is large, but restricted.

Country Distribution

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

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 type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.6	Groundwater extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.6	Dams	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Invasive alien species (directly affecting the species)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.3	Hybridizers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.6	Uses and harvest levels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1	Food	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1.2	Sub-national/national trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
4	Accidental mortality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4.1	Bycatch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4.1.1	Fisheries-related	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4.1.1.4	Dynamite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4.1.1.5	Poisoning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7	Natural disasters	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
7.1	Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
8	Changes in native species dynamics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
8.4	Hybridizers	<input type="checkbox"/>	<input 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	Subsistence	National	International	Other purpose:
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25% None
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: Critically Endangered (CR) Possibly Extinct

Red List Criteria: B1ab(v)+2ab(v)

Rationale for the Red List Assessment: This species is known from only one population in two streams. The population is currently abundant. However, the presence of the introduced Rainbow Trout *Oncorhynchus mykiss* is a serious threat. Range is very small (less than 10 km²) and is projected to decline in near future as a result of larval predation from *Oncorhynchus mykiss*.

Current Population Trend: Unknown

Date of Assessment: 16/12/2004

Assessor(s): A.J. Crivelli

Evaluator: F. Erk'akan & A. Karataş

Notes on Red listing: Previous red List Assessment: CR B1+2abc (Kottelat 1996)

Bibliography

Schöffmann, J., 1992, Erste Lebendbeobachtung von *Salmo* (*Platysalmo*) *platycephalus*., Österreichs Fisherei, , 45, 11-18, ,

Behnke, R.J., 1968, A New Subgenus and species of trout, *Salmo* (*Platysalmo*) *platycephalus*, from Southcentral Turkey, with comments on the classification of the subfamily Salmoninae., Mitt. Hamburg Zool. Mus. Inst., , 66, 1-15, ,