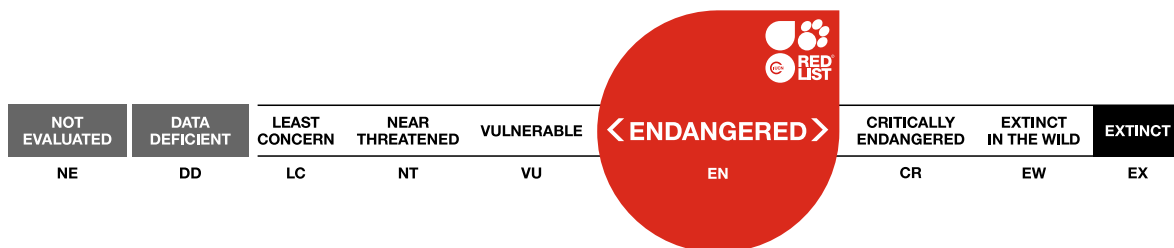


Oligosarcus itau, Dientudo

Assessment by: Alonso, F.



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Actinopterygii	Characiformes	Characidae

Scientific Name: *Oligosarcus itau* Mirande, Aguilera & Azpelicueta, 2011

Common Name(s):

- Spanish; Castilian: Dientudo, Bocacha, Mojarra

Taxonomic Source(s):

Fricke, R., Eschmeyer, W.N. and Van der Laan, R. (eds). 2020. Eschmeyer's Catalog of Fishes: genera, species, references. Updated 04 May 2020. Available at: <http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp>.

Assessment Information

Red List Category & Criteria: Endangered B1ab(iii)+2ab(iii) [ver 3.1](#)

Year Published: 2022

Date Assessed: December 14, 2020

Justification:

This species is considered as Endangered (EN) according to criteria B1ab(iii)+2ab(iii). It has a restricted distribution, given it is known from a single stream, with an area of occupancy (AOO) and extent of occurrence (EOO) both of 260 km². Continuing decline in habitat is inferred based on oil exploration and extraction in this area and the construction of roads. There is a single location based on these threats.

Geographic Range

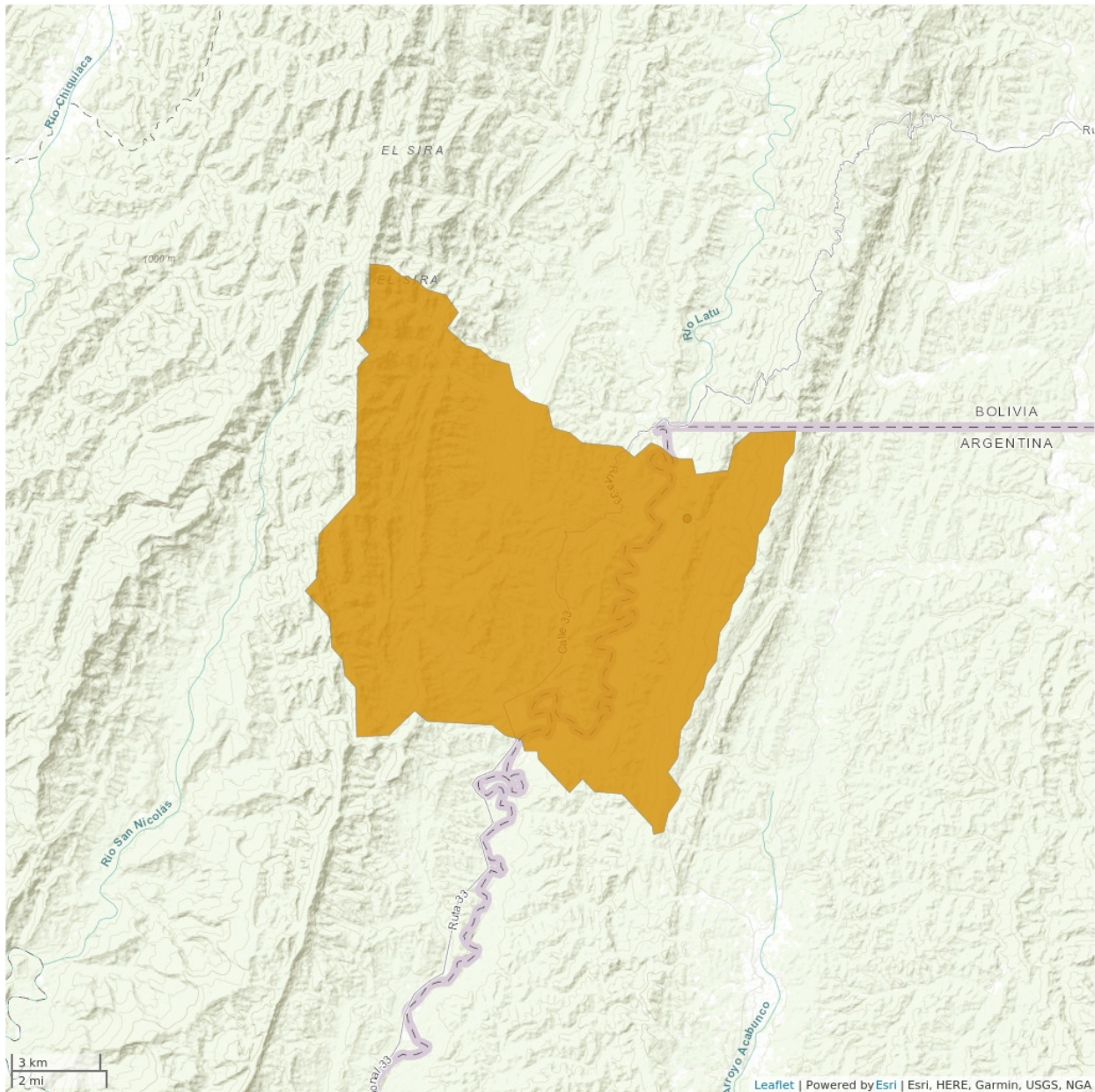
Range Description:

This species is only known from its type locality, an unnamed stream in the road to Campo Largo, General San Martín, Salta, Argentina. This stream is an affluent of the Río Itau, Río Bermejo basin (Mirande *et al.* 2011).

Country Occurrence:

Native, Extant (resident): Argentina (Salta)

Distribution Map

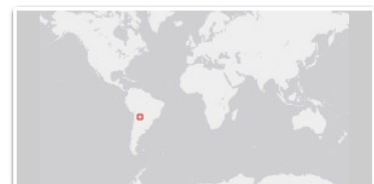


Legend

EXTANT (RESIDENT)

Compiled by:

IUCN (International Union for Conservation of Nature) 2020



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

Population

A reduction in the population of this species is suspected due to anthropic effects of habitat modifications related to roads and the use of the area for oil exploitation. This species was only collected with three specimens and further intensive sampling in the area only collected one additional specimen. Therefore, this species seems to have a very low abundance in this area (Mirande *et al.* 2011, F. Alonso pers. obs.).

Current Population Trend: Decreasing

Habitat and Ecology (see Appendix for additional information)

This species has been recorded in a rainforest stream with riffles and pools of one or two meters depth with a bottom ranging from gravel to large rocks. This stream flows through the piedmont rainforest of north-western Argentina; these environments are highly threatened and are disappearing due to human activities. Despite the relatively high collection efforts in the basin, this species was found only in one stream, and probably it constitutes a microendemism. The stomach of one specimen contained mainly allochthonous insects (Mirande *et al.* 2011).

Systems: Freshwater (=Inland waters)

Use and Trade (see Appendix for additional information)

No trade or use of this species is known.

Threats (see Appendix for additional information)

The area where this species inhabits is under an oil company exploitation and it is subjected to permanent modifications of their water courses and risks of spills and chemical contamination.

Conservation Actions (see Appendix for additional information)

There are no conservation actions towards this species and its habitat.

Credits

Assessor(s): Alonso, F.

Reviewer(s): Aguilera, G.

Bibliography

IUCN. 2022. The IUCN Red List of Threatened Species. Version 2022-2. Available at: www.iucnredlist.org. (Accessed: 08 December 2022).

Mirande, J.M., Aguilera, G. and Azpelicueta, M.D.L.M. 2011. A threatened new species of *Oligosarcus* and its phylogenetic relationships, with comments on *Astyanacinus* (Teleostei: Characidae). *Zootaxa* 2994(1): 1-20.

Citation

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External Resources

For [Supplementary Material](#), and for [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
5. Wetlands (inland) -> 5.1. Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	-	Suitable	-

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
3. Energy production & mining -> 3.1. Oil & gas drilling	Ongoing	-	-	Low impact: 3
4. Transportation & service corridors -> 4.1. Roads & railroads	Ongoing	-	-	Low impact: 3
7. Natural system modifications -> 7.2. Dams & water management/use -> 7.2.8. Abstraction of ground water (unknown use)	Ongoing	-	-	Low impact: 3
9. Pollution -> 9.2. Industrial & military effluents -> 9.2.1. Oil spills	Ongoing	-	-	Low impact: 3

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Action in Place
In-place research and monitoring
Action Recovery Plan: No
Systematic monitoring scheme: No
In-place land/water protection
Conservation sites identified: No
Percentage of population protected by PAs: 0
Area based regional management plan: No
Occurs in at least one protected area: No
Invasive species control or prevention: Not Applicable
In-place species management

Conservation Action in Place
Harvest management plan: No
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No
In-place education
Subject to recent education and awareness programmes: No
Included in international legislation: No
Subject to any international management / trade controls: No

Conservation Actions Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Action Needed
1. Land/water protection -> 1.1. Site/area protection
1. Land/water protection -> 1.2. Resource & habitat protection
2. Land/water management -> 2.1. Site/area management
4. Education & awareness -> 4.1. Formal education
4. Education & awareness -> 4.3. Awareness & communications
5. Law & policy -> 5.3. Private sector standards & codes

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.1. Taxonomy
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.3. Life history & ecology
1. Research -> 1.5. Threats
1. Research -> 1.6. Actions
2. Conservation Planning -> 2.2. Area-based Management Plan
3. Monitoring -> 3.1. Population trends
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 260
Estimated extent of occurrence (EOO) (km ²): 260
Number of Locations: 1
Lower elevation limit (m): 690
Upper elevation limit (m): 690
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes
Movement patterns: Not a Migrant

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