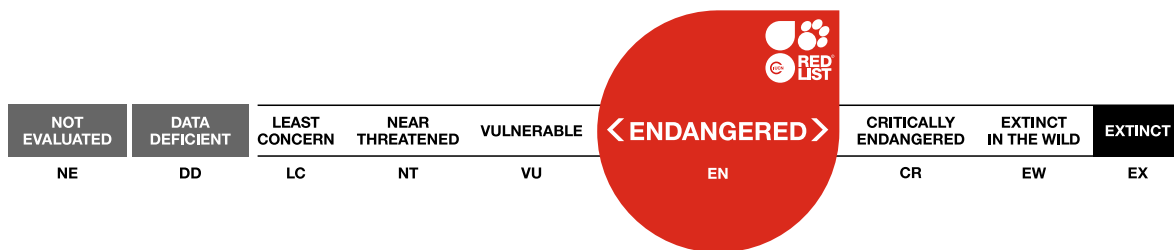


## *Andromakhe latens*, Mojarra

Assessment by: Alonso, F.



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Actinopterygii	Characiformes	Characidae

**Scientific Name:** *Andromakhe latens* (Mirande, Aguilera & Azpelicueta, 2004)

### Synonym(s):

- *Astyanax latens* Mirande, Aguilera & Azpelicueta, 2004

### Common Name(s):

- Spanish; Castilian: 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) [ver 3.1](#)

**Year Published:** 2022

**Date Assessed:** December 14, 2020

### Justification:

This species is considered as Endangered according to the B1ab(iii) criteria: the extent of occurrence (EOO) is estimated to be less than 5,000 km<sup>2</sup> (576 km<sup>2</sup>), it is known to exist at no more than five locations (one), and there is a continuing decline in the area, extent and quality of habitat due to deforestation and crops implantation in the area.

## Geographic Range

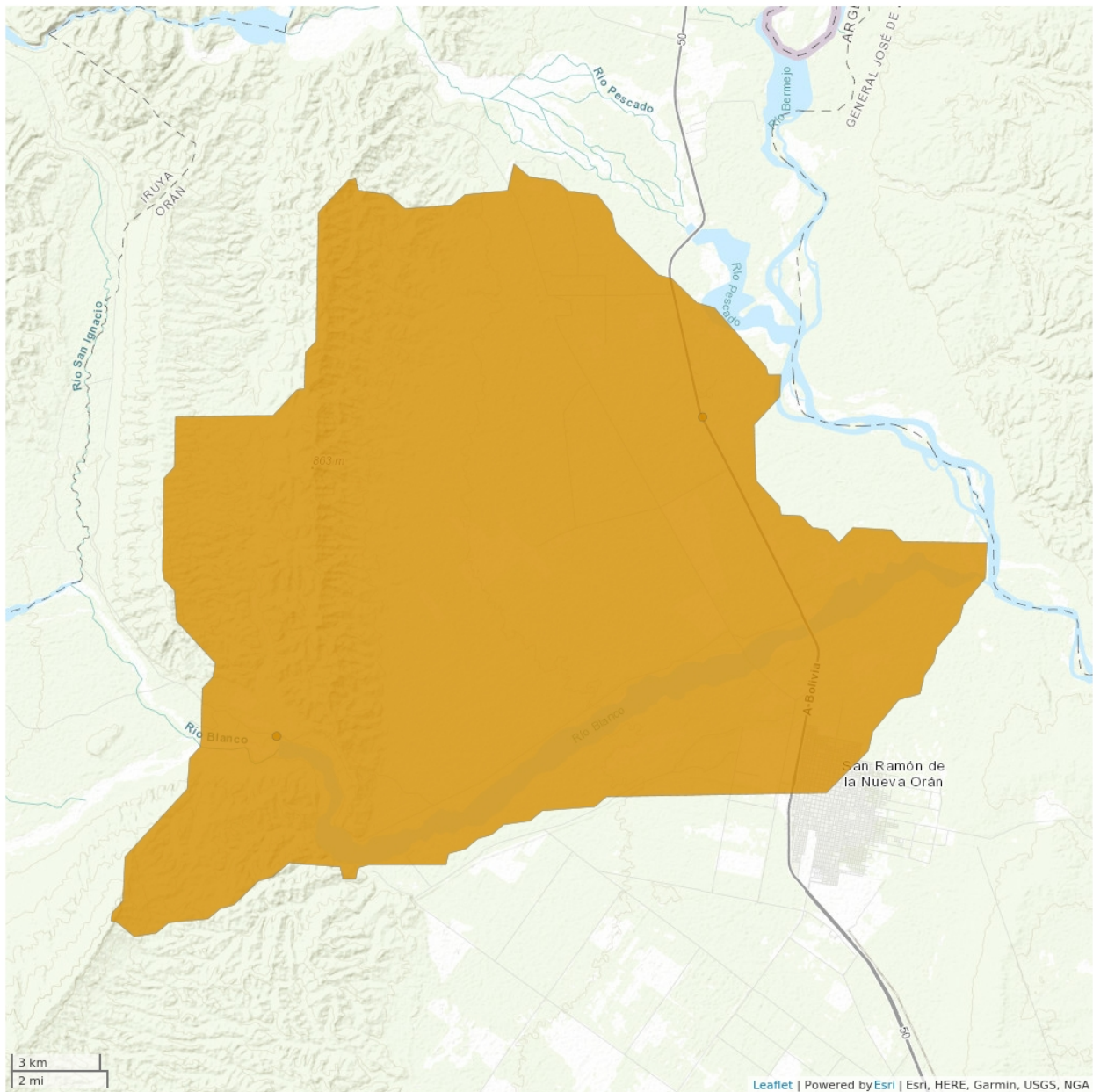
### Range Description:

This species is known from a small creek, Arroyo El Oculito, tributary of the Blanco River (Mirande *et al.* 2004) and another small creek affluent to the Bermejo River, both part of the Bermejo River basin (F. Alonso *et al.* pers. obs. 2020).

### Country Occurrence:

**Native, Extant (resident):** Argentina (Salta)

# Distribution Map

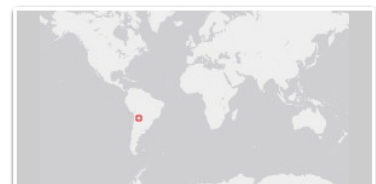


## Legend

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

There are no data available on the population trend of this species.

**Current Population Trend:** Unknown

## Habitat and Ecology (see Appendix for additional information)

This species inhabits small creeks with clear water and slow flow with marginal vegetation being rare or not present in other aquatic environments of the area that, in contrast, present regular flooding and murky waters in summer (Mirande *et al.* 2004, F. Alonso *et al.* pers. obs. 2020).

**Systems:** Freshwater (=Inland waters)

## Use and Trade (see Appendix for additional information)

There are no known uses of this species but other similar small species in the area are occasionally used as bait and so it is likely that this species might be used as bait occasionally too.

## Threats (see Appendix for additional information)

The distribution area of this species has been intensively affected by deforestation and crops implantation that could affect the quality and extent of the habitat of this species, increasing sediments and changing the flow regime. Also the use of agro-chemicals in the crops may be affecting the species.

## Conservation Actions (see Appendix for additional information)

Part of the population of this species is in a private reserve.

## 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](http://www.iucnredlist.org). (Accessed: 08 December 2022).

Mirande, J.M., Aguilera, G. and Azpelicueta, M.D.L.M. 2004. A new species of *Astyanax* (Characiformes, Characidae) from the upper río Bermejo basin, Salta, Argentina. *Revue suisse de Zoologie* 111(1): 213-223.

## 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)	Resident	Suitable	-

### Threats

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

Threat	Timing	Scope	Severity	Impact Score
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.3. Agro-industry farming	Ongoing	-	-	Low impact: 3
2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.2. Small-holder grazing, ranching or farming	Ongoing	-	-	Low impact: 3
9. Pollution -> 9.3. Agricultural & forestry effluents -> 9.3.1. Nutrient loads	Ongoing	-	-	Low impact: 3
9. Pollution -> 9.3. Agricultural & forestry effluents -> 9.3.2. Soil erosion, sedimentation	Ongoing	-	-	Low impact: 3
9. Pollution -> 9.3. Agricultural & forestry effluents -> 9.3.3. Herbicides and pesticides	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: Yes, over part of range
Percentage of population protected by PAs: 21-30
Occurs in at least one protected area: Yes
Invasive species control or prevention: Not Applicable

<b>Conservation Action in Place</b>
In-place species management
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>)

<b>Conservation Action Needed</b>
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

## Research Needed

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

<b>Research Needed</b>
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 -> 3.2. Harvest level trends
3. Monitoring -> 3.3. Trade trends
3. Monitoring -> 3.4. Habitat trends

## Additional Data Fields

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 576
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 576
Number of Locations: 1
Lower elevation limit (m): 343
Upper elevation limit (m): 506
<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: Yes
Movement patterns: Not a Migrant



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