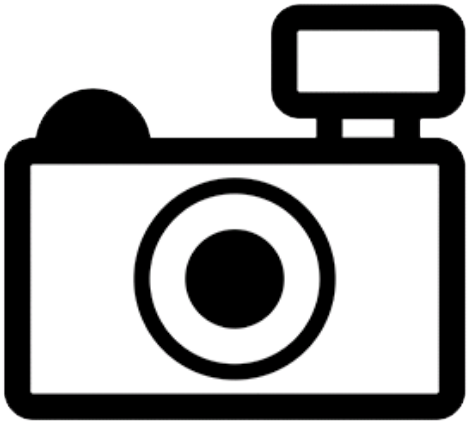
Ancistrus nudiceps (a catfish, no common name)

Ecological Risk Screening Summary

U.S. Fish & Wildlife Service, March 2012
Revised, November 2018
Web Version, 1/30/2019



No Photo Available

1 Native Range and Status in the United States

Native Range

From Froese and Pauly (2018):

"South America: Takutu River basin in upper Branco River drainage, Guyana."

Status in the United States

No records of *Ancistrus nudiceps* in the wild or in trade in the United States were found.

Means of Introductions in the United States

No records of *Ancistrus nudiceps* in the wild in the United States were found.

Remarks

Information searches were conducted using the valid name *Ancistrus nudiceps*.

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

According to Fricke et al. (2018), *Ancistrus nudiceps* (Müller and Troschel 1849) is the current valid name of this species. *Ancistrus nudiceps* was originally described as *Hypostomus nudiceps* (Müller and Troschel 1849).

From ITIS (2018):

"Kingdom Animalia
Subkingdom Bilateria
Infrakingdom Deuterostomia
Phylum Chordata
Subphylum Vertebrata
Infraphylum Gnathostomata
Superclass Actinopterygii
Class Teleostei
Superorder Ostariophysi
Order Siluriformes
Family Loricariida
Subfamily Hypostominae
Genus *Ancistrus* Kner, 1854
Species *Ancistrus nudiceps* (Müller and Troschel, 1849)"

Size, Weight, and Age Range

From Froese and Pauly (2018):

"Max length : 7.9 cm SL male/unsexed; [Fisch-Muller 2003]"

Environment

From Froese and Pauly (2018):

"Freshwater; demersal."

Climate/Range

From Froese and Pauly (2018):

"Tropical"

Distribution Outside the United States

Native

From Froese and Pauly (2018):

"South America: Takutu River basin in upper Branco River drainage, Guyana."

Introduced

No records of introductions of *Ancistrus nudiceps* were found.

Means of Introduction Outside the United States

No records of introductions of *Ancistrus nudiceps* were found.

Short Description

No description of *Ancistrus nudiceps* was found.

Biology

No information on biology of *Ancistrus nudiceps* was found.

Human Uses

No information on human uses of *Ancistrus nudiceps* was found.

Diseases

No information on diseases of *Ancistrus nudiceps* was found. **No records of OIE-reportable diseases were found for *A. nudiceps.***

Threat to Humans

From Froese and Pauly (2018):

"Harmless"

3 Impacts of Introductions

No records of introductions of *Ancistrus nudiceps* were found.

4 Global Distribution

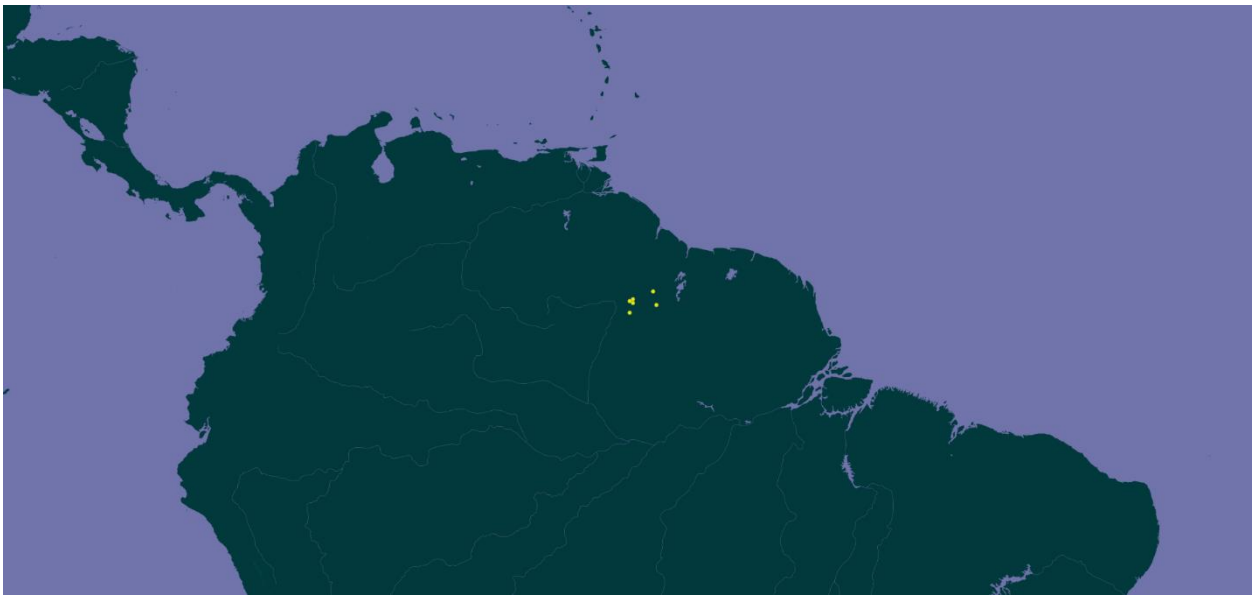


Figure 1. Known global distribution of *Ancistrus nudiceps.* Locations are in Guyana. Map from GBIF Secretariat (2018).

5 Distribution Within the United States

No records of *Ancistrus nudiceps* in the wild in the United States were found.

6 Climate Matching

Summary of Climate Matching Analysis

The climate match for *Ancistrus nudiceps* was low for the entire contiguous United States. There were no areas of high or medium match. The Climate 6 score (Sanders et al. 2014; 16 climate variables; Euclidean distance) for the contiguous United States was 0.000, low, with all States having low individual climate scores. The range for a low climate score is from 0.0 to 0.005, inclusive.

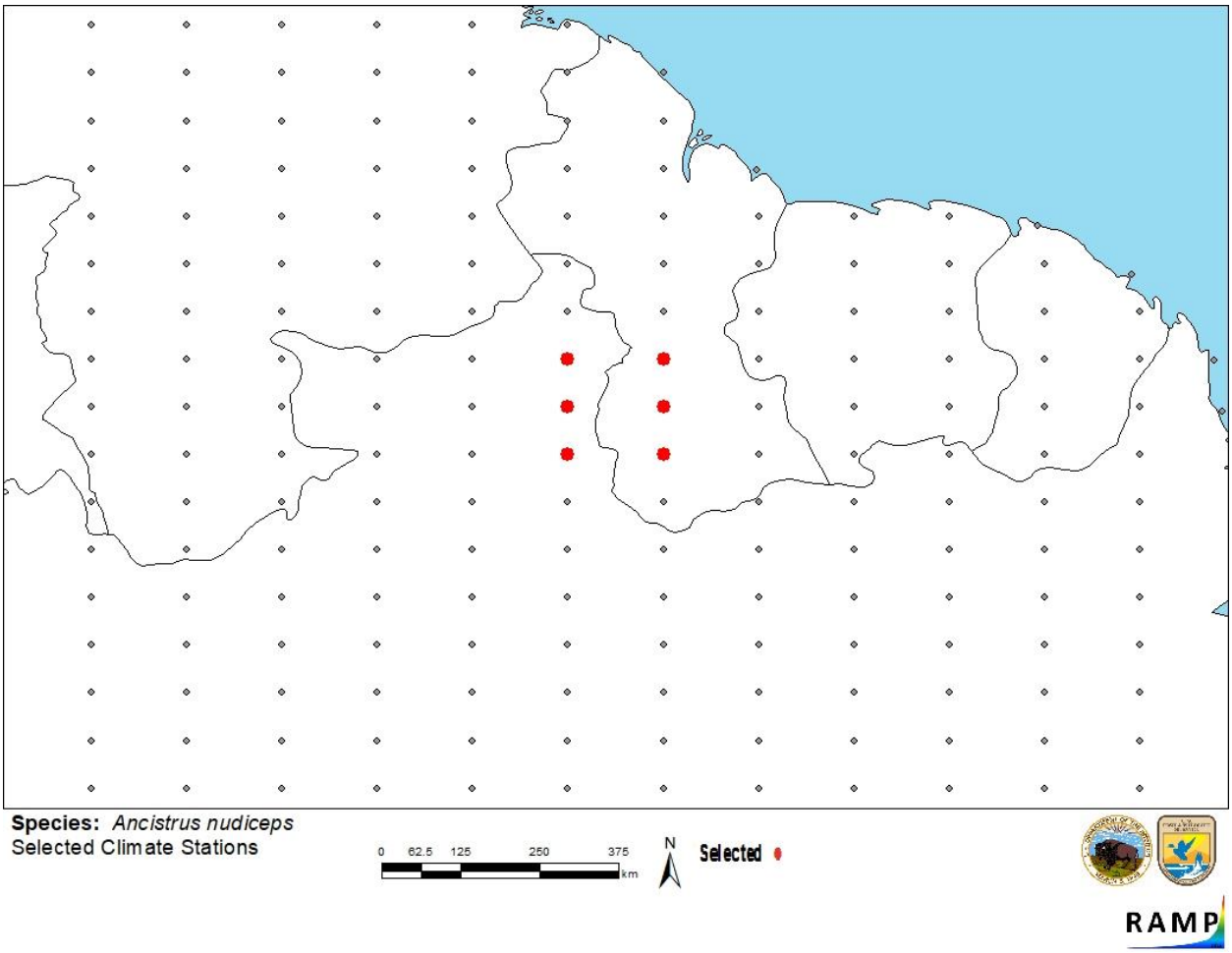


Figure 2. RAMP (Sanders et al. 2018) source map showing weather stations in South America selected as source locations (red; Guyana, Brazil) and non-source locations (gray) for *Ancistrus nudiceps* climate matching. Source locations from GBIF Secretariat (2018). Selected source locations are within 100 km of one or more species occurrences, and do not necessarily represent the locations of occurrences themselves.

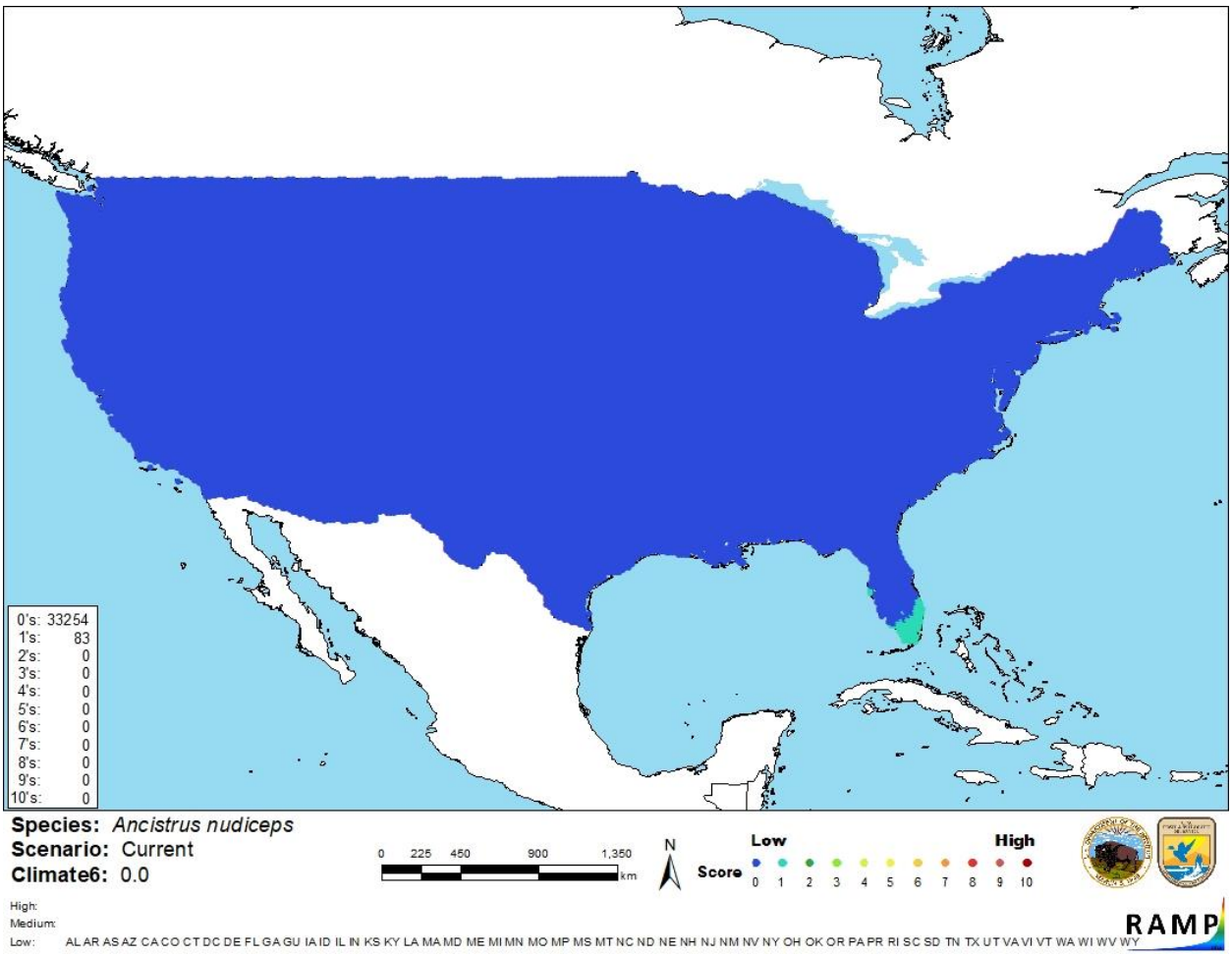


Figure 3. Map of RAMP (Sanders et al. 2018) climate matches for *Ancistrus nudiceps* in the contiguous United States based on source locations reported from GBIF Secretariat (2018). 0 = Lowest match, 10 = Highest match.

The High, Medium, and Low Climate match Categories are based on the following table:

Climate 6: Proportion of (Sum of Climate Scores 6-10) / (Sum of total Climate Scores)	Climate Match Category
0.000≤X≤0.005	Low
0.005<X<0.103	Medium
≥0.103	High

7 Certainty of Assessment

The certainty of assessment for *Ancistrus nudiceps* is low. There is minimal information available for this species. No reports of introductions of *Ancistrus nudiceps* were found.

8 Risk Assessment

Summary of Risk to the Contiguous United States

Ancistrus nudiceps is an antenna armored catfish native to Guyana. The history of invasiveness is uncertain. It has not been reported as introduced or established anywhere in the world. The climate match for the contiguous United States was low with all states having a low individual climate score. The certainty of assessment is low. The overall risk assessment category is uncertain.

Assessment Elements

- **History of Invasiveness (Sec. 3): Uncertain**
- **Climate Match (Sec. 6): Low**
- **Certainty of Assessment (Sec. 7): Low**
- **Remarks/Important additional information:** No additional information.
- **Overall Risk Assessment Category: Uncertain**

9 References

Note: The following references were accessed for this ERSS. References cited within quoted text but not accessed are included below in Section 10.

Fricke, R., W. N. Eschmeyer, and R. van der Laan, editors. 2018. Catalog of fishes: genera, species, references. Available: http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp. (November 2018).

Froese, R., and D. Pauly, editors. 2018. *Ancistrus nudiceps* (Müller and Troschel, 1849). FishBase. Available: http://www.fishbase.se/summary/Ancistrus-nudiceps.html. (November 2018).

GBIF Secretariat. 2018. GBIF backbone taxonomy: *Ancistrus nudiceps* (Müller and Troschel, 1849). Global Biodiversity Information Facility, Copenhagen. Available: https://www.gbif.org/species/5961380. (November 2018).

ITIS (Integrated Taxonomic Information System). 2018. *Ancistrus nudiceps* (Müller and Troschel, 1849). Integrated Taxonomic Information System, Reston, Virginia. Available: https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=680025#null. (November 2018).

Sanders, S., C. Castiglione, and M. Hoff. 2018. Risk assessment mapping program: RAMP, version 3.1. U.S. Fish and Wildlife Service.

10 References Quoted But Not Accessed

Note: The following references are cited within quoted text within this ERSS, but were not accessed for its preparation. They are included here to provide the reader with more information.

Fisch-Muller, S. 2003. Loricariidae-Ancistrinae (armored catfishes). Pages 373–400 *in* R. E. Reis, S. O. Kullander, and C. J. Ferraris, Jr., editors. Checklist of the freshwater fishes of South and Central America. EDIPUCRS, Porto Alegre, Brazil.

Müller, J., and F. H. Troschel. 1849. Fische. Pages 618–644 *in* Reisen in Britisch-Guiana in den Jahren 1840-44. Im Auftrag Sr. Mäjestat des Königs von Preussen ausgeführt von Richard Schomburgk, Berlin.