

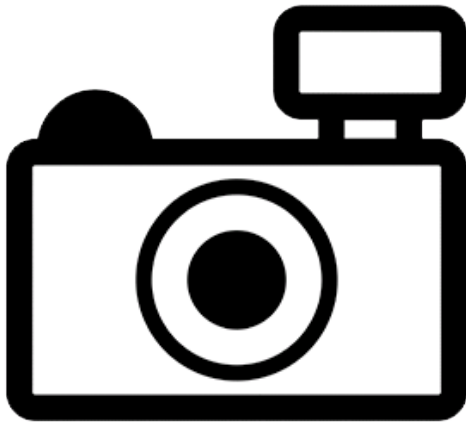
***Poropuntius rhomboides* (a fish, no common name)**

Ecological Risk Screening Summary

U.S. Fish & Wildlife Service, April 2015

Revised, November 2017

Web Version, 1/2/2020



No Photo Available

1 Native Range and Status in the United States

Native Range

From Froese and Pauly (2015):

“Known from Yunnan [China]. Also found in the upper reaches of the Red River [Yunnan, China] [Institute of Hydrobiology, Academia Sinica, Shanghai Natural Museum and Ministry of Agriculture of China 1993].”

Status in the United States

No records of *Poropuntius rhomboides* in the wild or in trade in United States were found.

Means of Introductions in the United States

No records of *Poropuntius rhomboides* in the United States were found.

Remarks

The valid name *Poropuntius rhomboides* and the synonym *Barbodes rhomboides* were used to search for information for this screening summary.

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

From Eschmeyer et al. (2017):

“**Current status:** Valid as *Poropuntius rhomboides* (Wu & Lin 1977).”

From Roskov et al. (2015):

“Accepted scientific name: *Poropuntius rhomboides* (Wu & Lin, 1977) (accepted name)

Synonyms: *Barbodes huangchuchieni rhomboides* Wu & Lin, 1977 (synonym)

Barbodes rhomboides Wu & Lin, 1977 (synonym)”

“Kingdom Animalia

Phylum Chordata

Class Actinopterygii

Order Cypriniformes

Family Cyprinidae

Genus *Poropuntius*”

Size, Weight, and Age Range

From Froese and Pauly (2015):

“Max length : 23.0 cm SL male/unsexed; [Shan et al. 2000]”

Environment

From Froese and Pauly (2015):

“Freshwater; benthopelagic.”

Climate/Range

From Froese and Pauly (2015):

“Subtropical”

Distribution Outside the United States

Native

From Froese and Pauly (2015):

“Known from Yunnan [China]. Also found in the upper reaches of the Red River [Yunnan, China] [Institute of Hydrobiology, Academia Sinica, Shanghai Natural Museum and Ministry of Agriculture of China 1993].”

Introduced

No records of *Poropuntius rhomboides* introductions were found.

Means of Introduction Outside the United States

No records of *Poropuntius rhomboides* introductions were found.

Short Description

A description of *Poropuntius rhomboides* was not found.

Biology

Information on the biology of *Poropuntius rhomboides* was not found.

Human Uses

Information on human uses of *Poropuntius rhomboides* was not found.

Diseases

Information on pathogens of *Poropuntius rhomboides* was not found. **No records of OIE-reportable diseases (OIE 2020) were found for *P. rhomboides*.**

Threat to Humans

From Froese and Pauly (2015):

“Harmless”

3 Impacts of Introductions

No records of *Poropuntius rhomboides* introductions were found; therefore, there is no information on impacts of introductions.

4 Global Distribution



Figure 1. Yunnan Province, China, highlighted in red; the native range of *Poropuntius rhomboides* (Froese and Pauly 2015). Map in Public Domain. Available: https://commons.wikimedia.org/wiki/File:China_Yunnan.svg.

No georeferenced observations were available for *Poropuntius rhomboides*; the described native range was used to select source locations for the climate match.

5 Distribution Within the United States

No records of *Poropuntius rhomboides* in the United States were found.

6 Climate Matching

Summary of Climate Matching Analysis

The climate match for *Poropuntius rhomboides* was medium for southern Florida and small patches in the Midwest, and areas of Texas and New Mexico. The climate match was low everywhere else. The Climate 6 score (Sanders et al. 2014; 16 climate variables; Euclidean distance) for the contiguous United States was 0.001, low. (Scores between 0.000 and 0.005, inclusive, are classified as low.) Florida and Texas had a medium individual Climate 6 score, while all other States had low individual climate scores. No georeferenced observations were available for *P. rhomboides* so source locations were chosen to represent the described native range of the species, Yunnan Province, China (Froese and Pauly 2015).

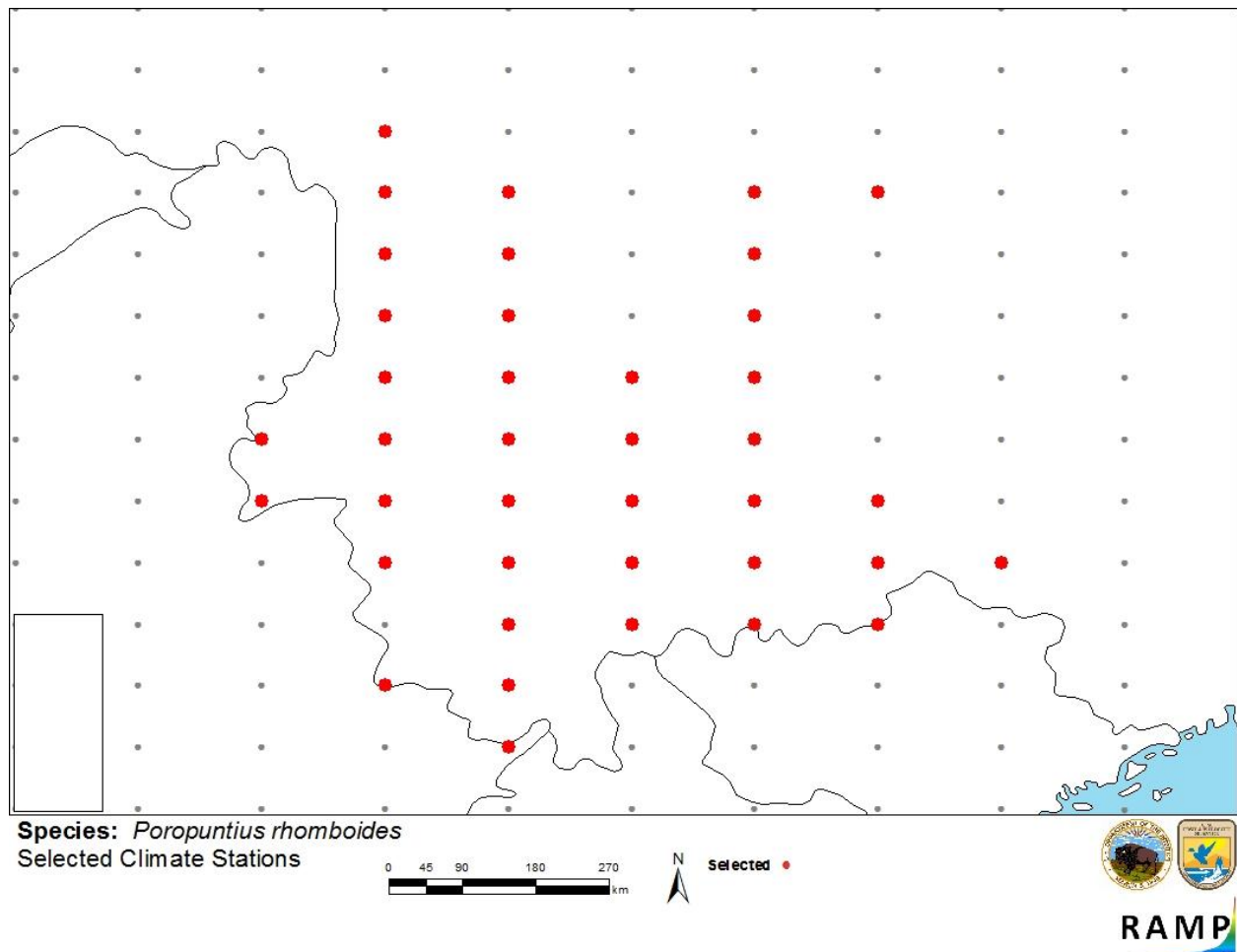


Figure 2. RAMP (Sanders et al. 2014) source map showing weather stations selected as source locations (red; Yunnan Province, China) and non-source locations (gray) for *Poropuntius rhomboides* climate matching. Source locations from Froese and Pauly (2015).

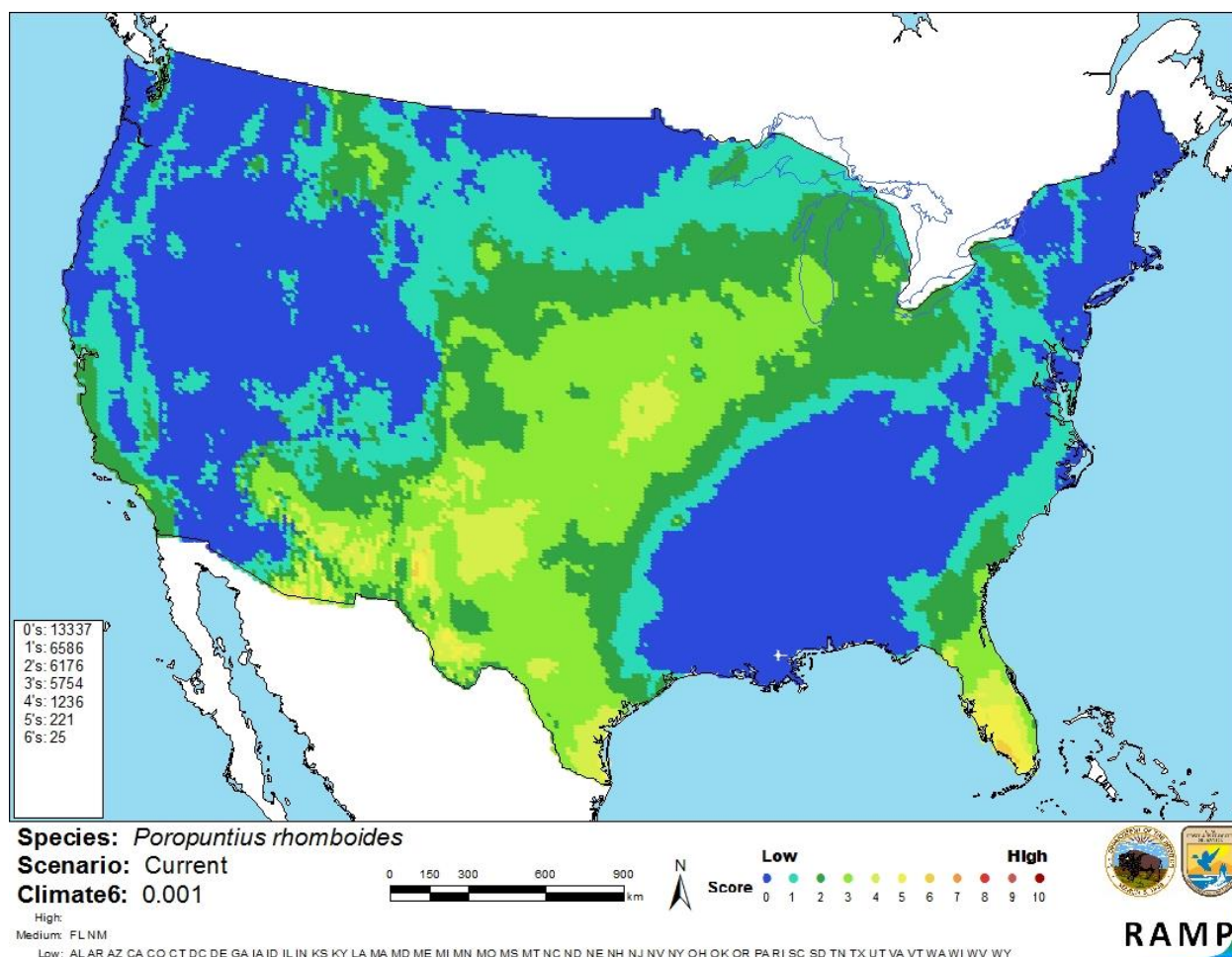


Figure 3. Map of RAMP (Sanders et al. 2014) climate matches for *Poropuntius rhomboides* in the contiguous United States based on source locations reported by Froese and Pauly (2015). 0 = Lowest match, 10 = Highest match.

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
$0.000 \leq X \leq 0.005$	Low
$0.005 < X < 0.103$	Medium
≥ 0.103	High

7 Certainty of Assessment

The certainty of this assessment is low. Little information was available for *Poropuntius rhomboides*. No records of introductions were found. No georeferenced observation records were found. The climate match had to be performed using only a generalized text description of the range of the species.

8 Risk Assessment

Summary of Risk to the Contiguous United States

Poropuntius rhomboides is a fish native to Yunnan Province in southern China, including the upper reaches of the Red River. Little information is available about this species. The history of invasiveness for *Poropuntius rhomboides* is uncertain. No records of introductions were found. The climate match for the contiguous United States was low. The climate match was developed using source points representing the Yunnan Province in China, where *P. rhomboides* is native, because no georeferenced locations were available. The certainty of assessment is low due to a lack of information. 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 remarks.
- **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.

- Eschmeyer, W. N., R. Fricke, and R. van der Laan, editors. 2017. Catalog of fishes: genera, species, references. Available: <http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp>. (November 2017).
- Froese, R., and D. Pauly, editors. 2015. *Poropuntius rhomboides* (Wu & Lin, 1977). FishBase. Available: <http://www.fishbase.org/summary/Poropuntius-rhomboides.html>. (April 2015).
- OIE (World Organisation for Animal Health). 2020. OIE-listed diseases, infections and infestations in force in 2020. Available: <http://www.oie.int/animal-health-in-the-world/oie-listed-diseases-2020/>. (January 2020).
- Roskov, Y., T. Kunze, T. Orrell, L. Abucay, L. Paglinawan, A. Culham, N. Bailly, P. Kirk, T. Bourgoin, G. Baillargeon, W. Decock, A. De Wever, and V. Didžiulis, editors. 2015. Species 2000 and ITIS Catalogue of Life, 2015 Annual Checklist. Species 2000: Naturalis, Leiden, the Netherlands. Available: <http://www.catalogueoflife.org/col/details/species/id/21179965>. (April 2015).
- Sanders, S., C. Castiglione, and M. Hoff. 2014. Risk assessment mapping program: RAMP, version 2.81. 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.

Institute of Hydrobiology, Academia Sinica, Shanghai Natural Museum and Ministry of Agriculture of China. 1993. The freshwater fishes of China in coloured illustrations, volume 3. Institute of Hydrobiology, Academia Sinica and Shanghai Natural Museum and Ministry of Agriculture of China.

Shan, X., R. Lin, P. Yue, and X. Chu. 2000. Cyprinidae: Barbinae. Pages 3–170 *in* P. Yue, et al., editors [full list of editors not given by the source materials]. Fauna Sinica. Osteichthyes. Cypriniformes III. Science Press, Beijing.