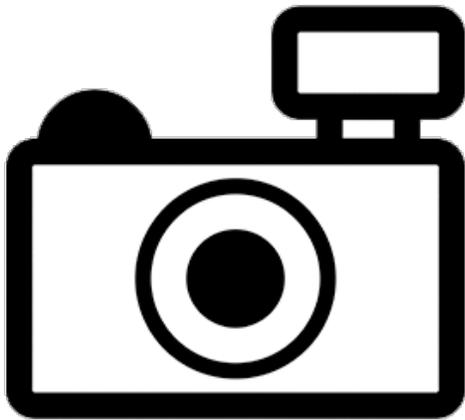


***Poropuntius schanicus* (a fish, no common name)**

Ecological Risk Screening Summary

U.S. Fish & Wildlife Service, February 2013
Revised, February 2019
Web Version, 10/21/2020

Organism Type: Fish
Overall Risk Assessment Category: Uncertain



No Photo Available

1 Native Range and Status in the United States

Native Range

From Froese and Pauly (2019):

“Asia: Salween basin [Myanmar].”

From Vidthayanon (2012):

“The species is known from the lower Salween basin in Shan State Myanmar, and may possibly occur within Salween tributaries in Thailand.”

Status in the United States

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

Means of Introductions in the United States

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

Remarks

Literature searches were conducted under *Poropuntius schanicus* and the synonym *Puntius schanicus*.

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

According to Fricke et al. (2019), *Poropuntius schanicus* (Boulenger 1893) is the current valid name of this species.

From GBIF Secretariat (2019):

Kingdom Animalia

Phylum Chordata

Class Actinopterygii

Order Cypriniformes

Family Cyprinidae

Genus *Poropuntius*

Species *Poropuntius schanicus* (Boulenger, 1893)

Size, Weight, and Age Range

No records of size, weight, or age range were found for *Poropuntius schanicus*.

Environment

From Vidthayanon (2012):

“Found in rivers and tributaries, including streams.”

Climate

No information on climate/range of *Poropuntius schanicus* were found.

Distribution Outside the United States

Native

From Froese and Pauly (2019):

“Asia: Salween basin [Myanmar].”

From Vidthayanon (2012):

“The species is known from the lower Salween basin in Shan State Myanmar, and may possibly occur within Salween tributaries in Thailand.”

Introduced

No records of introductions of *Poropuntius schanicus* were found.

Means of Introduction Outside the United States

No records of introductions of *Poropuntius schanicus* were found.

Short Description

A short description of *Poropuntius schanicus* was not found.

Biology

From Vidthayanon (2012):

“Found in rivers and tributaries, including streams.”

Human Uses

No information on human uses of *Poropuntius schanicus* was found.

Diseases

No information on diseases of *Poropuntius schanicus* was found. **No records of OIE-reportable diseases (OIE 2020) were found for *P. schanicus*.**

Threat to Humans

From Froese and Pauly (2018):

“Harmless”

3 Impacts of Introductions

No records of introductions of *Poropuntius schanicus* were found.

4 History of Invasiveness

No records of introductions of *Poropuntius schanicus* were found. History of invasiveness is classified as No Known Nonnative Population.

5 Global Distribution

No georeferenced observations were available for *Poropuntius schanicus* to use as source locations for the climate match. Source points for the climate match were chosen to represent the reported range, Salween basin in Myanmar (Vidthayanon 2012; Froese and Pauly 2019).

6 Distribution Within the United States

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

7 Climate Matching

Summary of Climate Matching Analysis

The climate match for *Poropuntius schanicus* was low for the majority of the contiguous United States; only southern portions of Florida and Texas had a medium match. The Climate 6 score (Sanders et al. 2018; 16 climate variables; Euclidean distance) for the contiguous United States was 0.000, low (scores between 0.000 and 0.005, inclusive, are classified as low). All states had an individually low climate score.

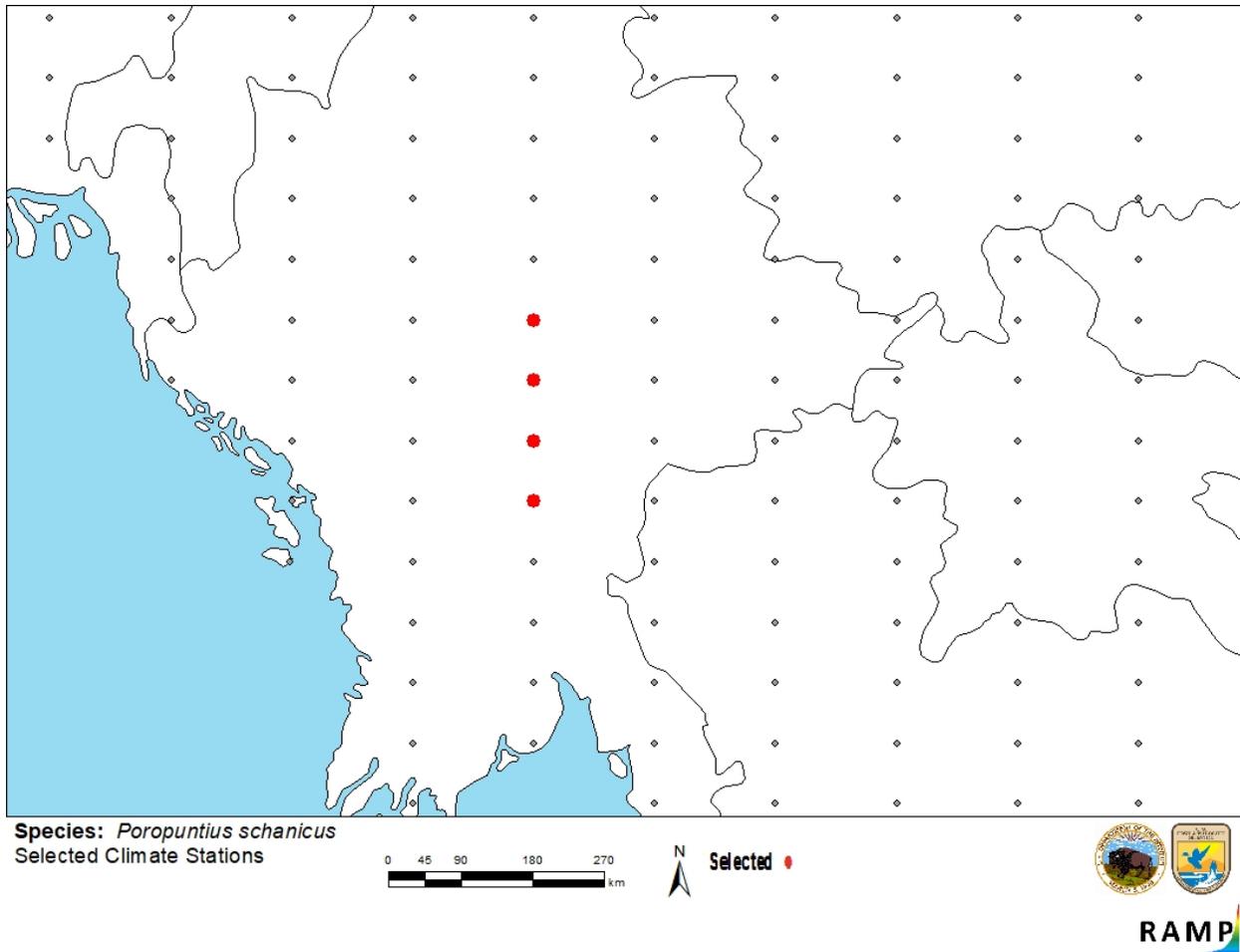


Figure 1. RAMP (Sanders et al. 2018) source map showing weather stations in Southern Asia

selected as source locations (red; Myanmar) and non-source locations (gray) for *Poropuntius schanicus* climate matching. Source locations from Vidthayanon (2012). Selected source locations are within 100 km of one or more species occurrences, and do not necessarily represent the locations of occurrences themselves.

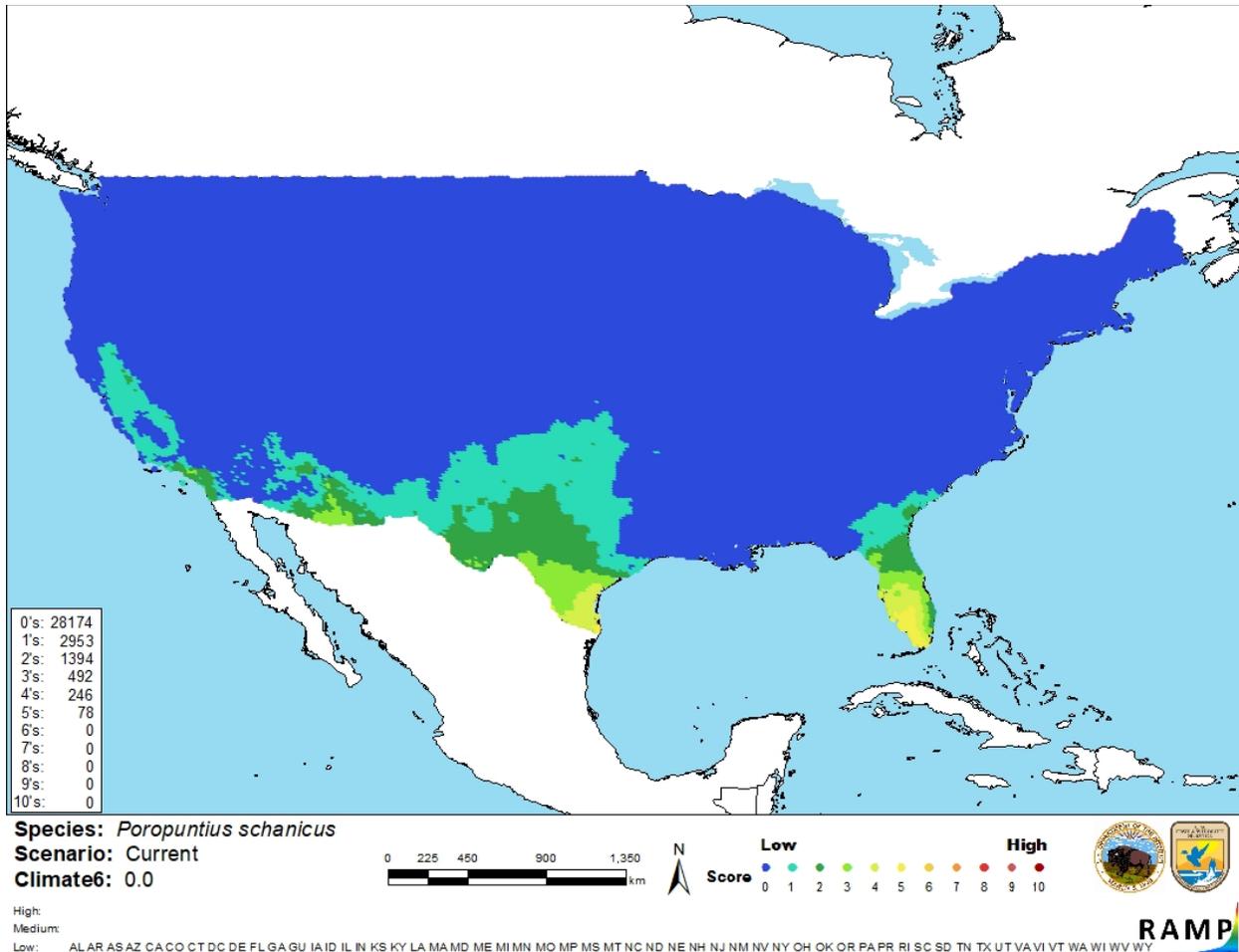


Figure 3. Map of RAMP (Sanders et al. 2018) climate matches for *Poropuntius schanicus* in the contiguous United States based on source locations reported from Vidthayanon (2012). Counts of climate match scores are tabulated on the left. 0/Blue = Lowest match, 10/Red = Highest match.

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

Climate 6: (Count of target points with climate scores 6-10)/ (Count of all target points)	Overall Climate Match Category
$0.000 \leq X < 0.005$	Low
$0.005 < X < 0.103$	Medium
≥ 0.103	High

8 Certainty of Assessment

The certainty of assessment for *Poropuntius schanicus* is low. There is minimal information available for this species. No information on introductions of *Poropuntius schanicus* was found. No georeferenced observations were available for *Poropuntius schanicus* to use as source locations for the climate match. Source points for the climate match were chosen to represent the area the species is described from, the Salween basin. The geographic area represented is small enough that the use of actual observations to select source points for the climate match is not anticipated to significantly change the climate match results.

9 Risk Assessment

Summary of Risk to the Contiguous United States

Poropuntius schanicus is a spotted barb native to the Salween basin in Myanmar, but the range may reach into tributaries in Thailand. Little information is available about this species. The history of invasiveness is classified as No Known Nonnative Population. It has not been reported as introduced or established anywhere in the world outside of the native range. No georeferenced observations were available for *Poropuntius schanicus* to use as source locations for the climate match. Source points for the climate match were chosen to represent Salween basin. The climate match for the contiguous United States was low. The only areas of medium match were found in southern Texas and Florida. The certainty of assessment is low due to lack of information. The overall risk assessment category for *Poropuntius schanicus* is Uncertain.

Assessment Elements

- **History of Invasiveness (Sec. 4): No Known Nonnative Population**
- **Overall Climate Match Category (Sec. 7): Low**
- **Certainty of Assessment (Sec. 8): Low**
- **Remarks/Important additional information:** No additional information.
- **Overall Risk Assessment Category: Uncertain**

10 Literature Cited

Note: The following references were accessed for this ERSS. References cited within quoted text but not accessed are included below in Section 11.

Fricke R, Eschmeyer WN, van der Laan R, editors. 2019. Eschmeyer's catalog of fishes: genera, species, references. California Academy of Science. Available: <http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp> (February 2019).

Froese R, Pauly D, editors. 2019. *Poropuntius schanicus* Boulenger, 1893. FishBase. Available: <https://www.fishbase.de/summary/Poropuntius-schanicus.html> (February 2019).

GBIF Secretariat. 2019. GBIF backbone taxonomy: *Puntius schanicus* (Boulenger, 1893). Copenhagen: Global Biodiversity Information Facility. Available: <https://www.gbif.org/species/2363997> (February 2019).

[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/> (October 2020).

Sanders S, Castiglione C, Hoff M. 2018. Risk Assessment Mapping Program: RAMP. Version 3.1. U.S. Fish and Wildlife Service.

Vidthayanon C. 2012. *Puntius schanicus*. The IUCN Red List of Threatened Species 2012: e.T181169A1705928. Available: <https://www.iucnredlist.org/species/181169/1705928> (February 2019).

11 Literature Cited in Quoted Material

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.

Boulenger GA. 1893. List of the fishes collected by Mr. E. W. Oates in the southern Shan States, and presented by him to the British Museum. *Annals and Magazine of Natural History* (Series 6) 12:198–203.