

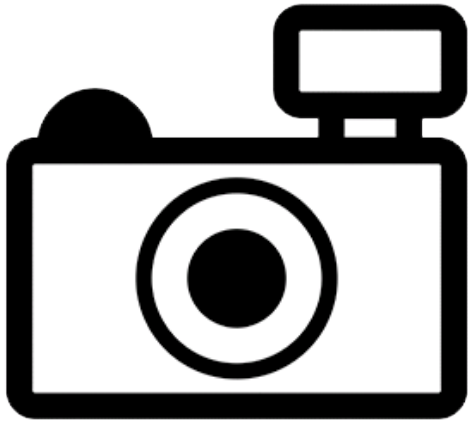
***Cyprinus quidatensis* (a carp, no common name)**

Ecological Risk Screening Summary

U.S. Fish and Wildlife Service, September 2011

Revised, September 2018

Web Version, 12/18/2018



No Photo Available

1 Native Range and Status in the United States

Native Range

From Huckstorf (2012):

“The species is known from the Red River basin in northern Viet Nam (Nguyen and Ngo 2001).”

Status in the United States

This species has not been reported as introduced or established in the United States. There is no indication that this species is in trade in the United States.

Means of Introductions in the United States

This species has not been reported as introduced or established in the United States.

Remarks

From Huckstorf (2012):

“Described by Nguyen et al. (1999). Further work is required to confirm the taxonomic status of this species.”

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

From GBIF Secretariat (2018):

“Kingdom Animalia
Phylum Chordata
Class Actinopterygii
Order Cypriniformes
Family Cyprinidae
Genus *Cyprinus* Linnaeus, 1758
Species *Cyprinus quidatensis* Nguyen, Le, Le & Nguyen, 1999”

From Fricke et al. (2018):

“Current status: Valid as *Cyprinus quidatensis* Nguyen, Le, Le & Nguyen 1999. Cyprinidae: Cyprininae.”

Size, Weight, and Age Range

No information available.

Environment

From Froese and Pauly (2018):

“Freshwater; benthopelagic.”

Climate/Range

From Froese and Pauly (2018):

“Tropical”

Distribution Outside the United States

Native

From Huckstorf (2012):

“The species is known from the Red River basin in northern Viet Nam (Nguyen and Ngo 2001).”

Introduced

This species has not been reported as introduced or established outside of its native range.

Means of Introduction Outside the United States

This species has not been reported as introduced or established outside of its native range.

Short Description

No information available.

Biology

No information available.

Human Uses

No information available.

Diseases

No information available. No OIE-reportable diseases have been documented for this species.

Threat to Humans

From Froese and Pauly (2018):

“Harmless”

3 Impacts of Introductions

This species has not been reported as introduced or established outside of its native range.

4 Global Distribution

No georeferenced occurrences are available for this species from GBIF Secretariat (2018).

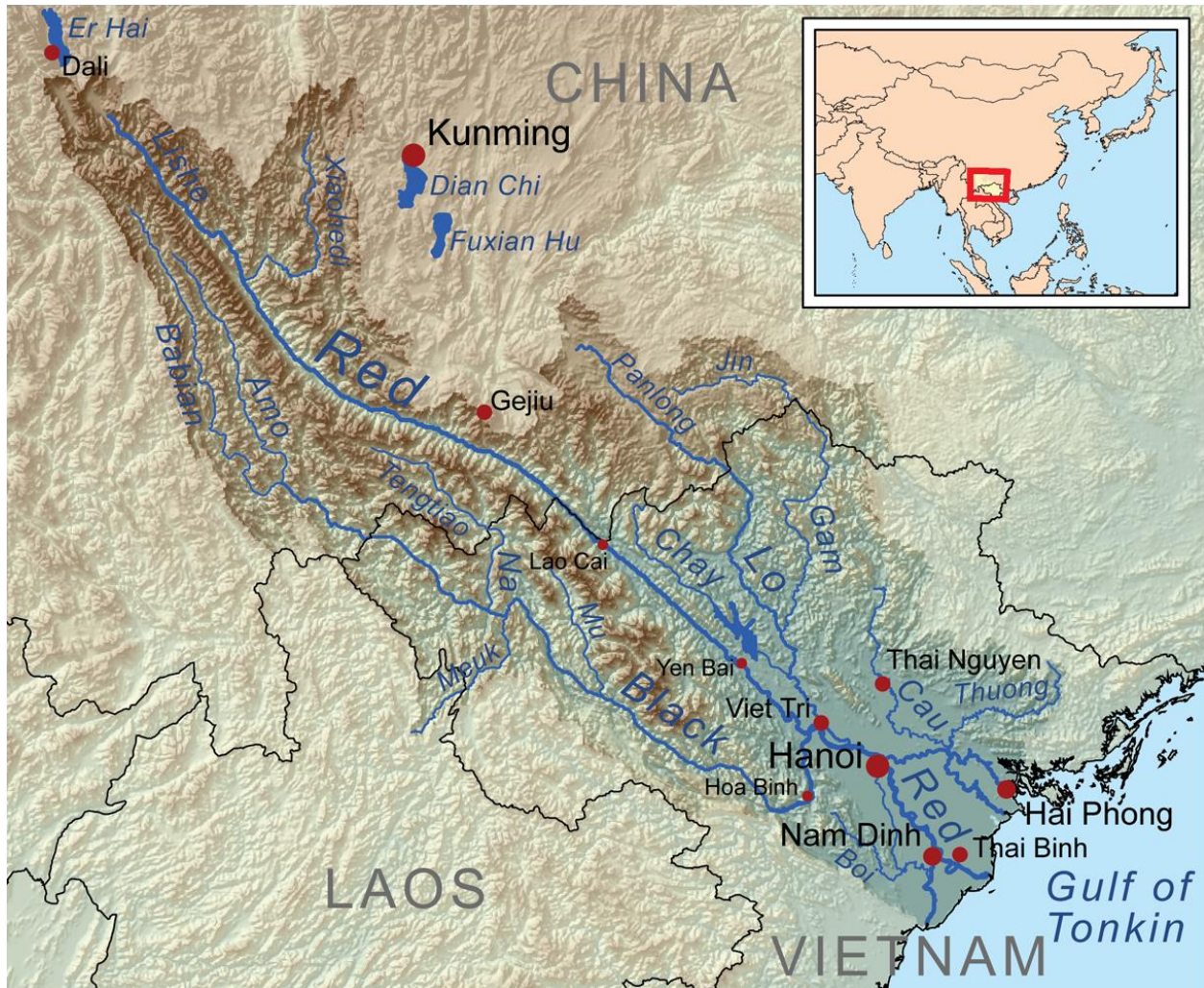


Figure 1. Map showing the Red River basin in Asia. The Vietnam portion of the Red River basin is the known global distribution of *Cyprinus quidatensis* according to Huckstorf (2012). Map from Kmusser (Wikimedia Commons). Licensed under CC BY-SA 3.0. Available: <https://commons.wikimedia.org/wiki/File:Redriverasiamap.png>. (September 2018).

5 Distribution Within the United States

This species has not been reported as introduced or established in the United States.

6 Climate Matching

Summary of Climate Matching Analysis

The Climate 6 score (Sanders et al. 2014; 16 climate variables; Euclidean distance) for the contiguous United States was 0.001, which is a low climate match. A Climate 6 score of 0.005 or below indicates a low climate match. There was a low climate match throughout the contiguous United States, except in southwestern peninsula Florida, where there was a medium match. The climate score was low in every state in the contiguous United States, except for Florida, where the climate score was medium.

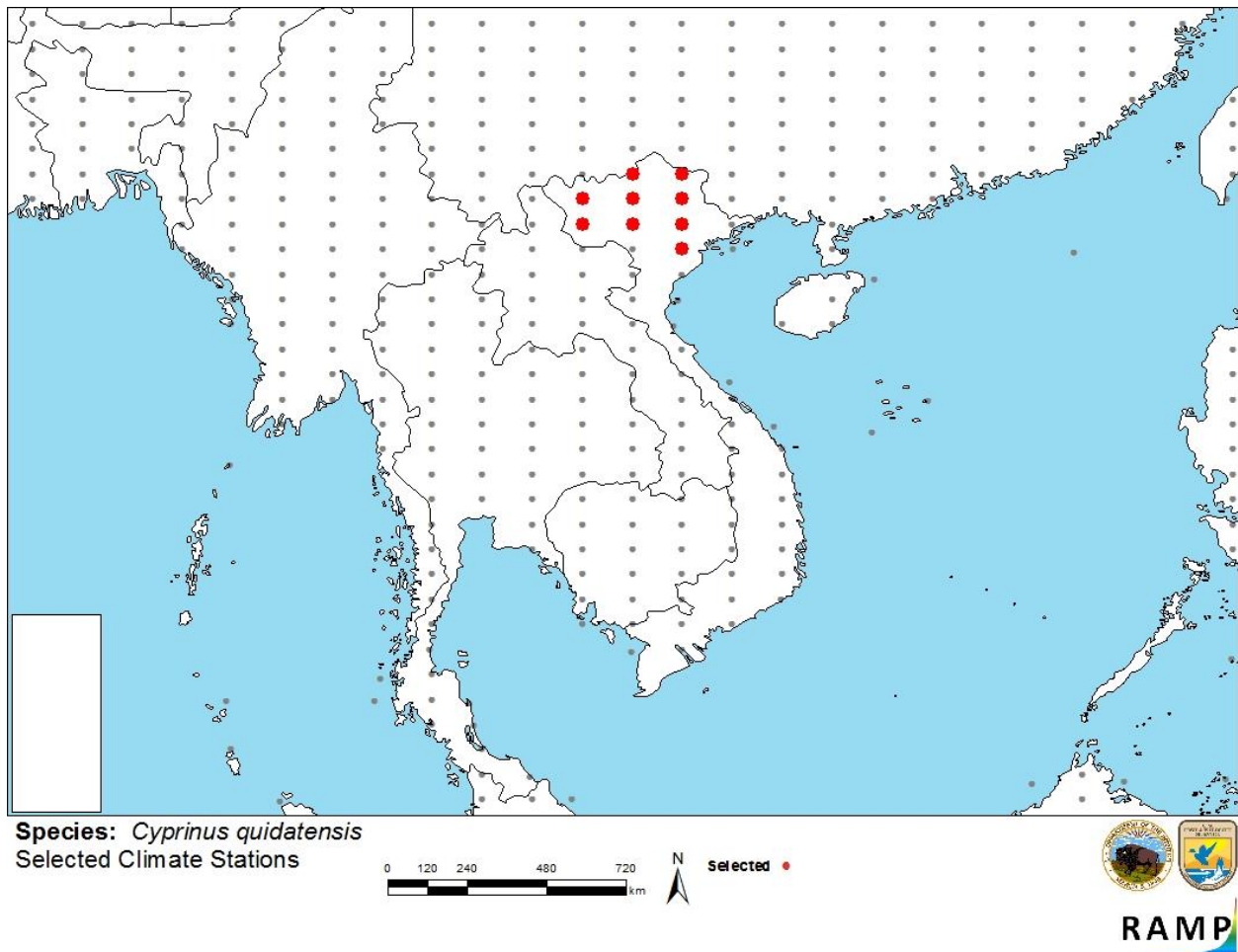


Figure 2. RAMP (Sanders et al. 2014) source map showing weather stations selected as source locations (red; Vietnam) and non-source locations (gray) for *Cyprinus quidatensis* climate matching. Source locations from Huckstorf (2012).

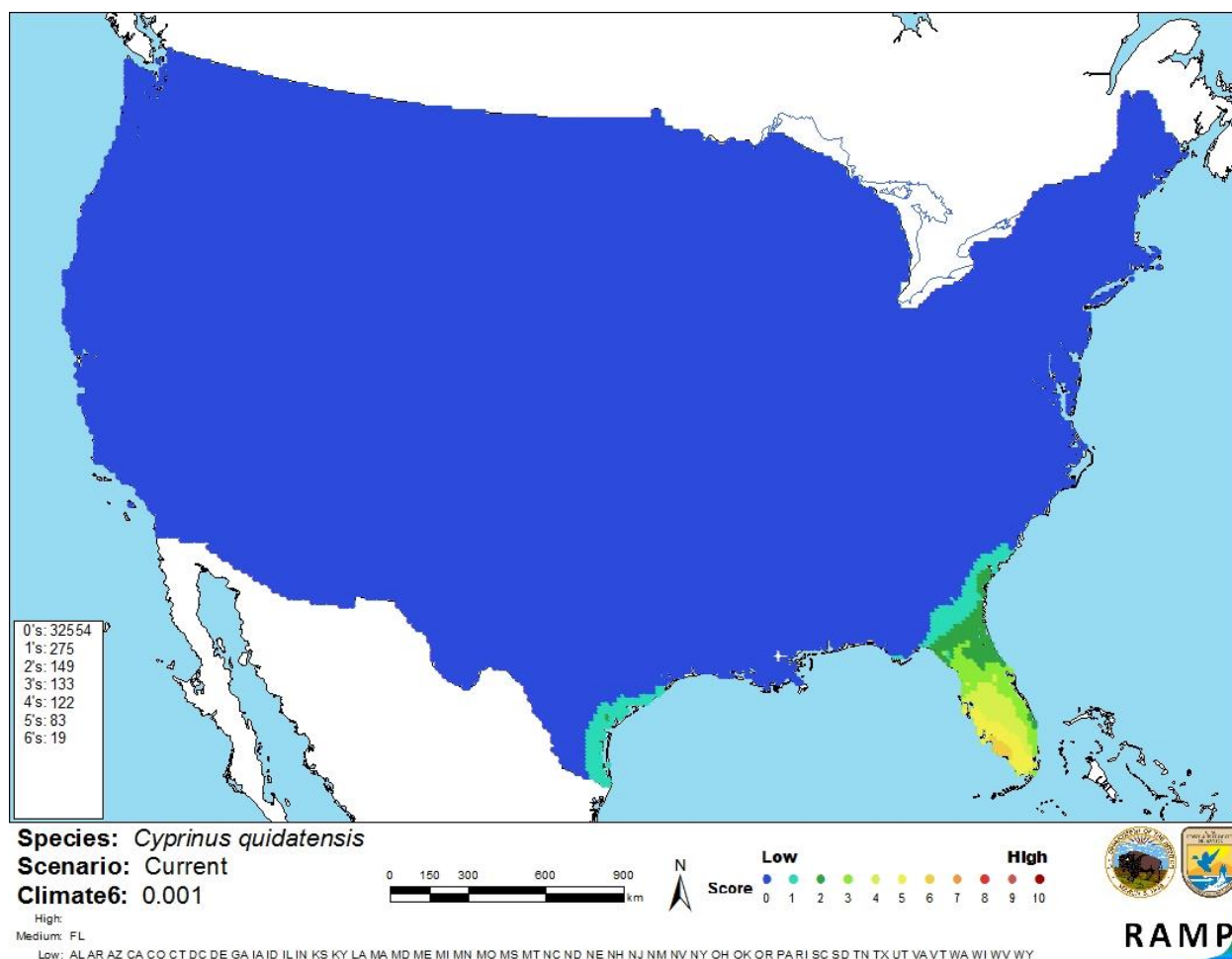


Figure 3. Map of RAMP (Sanders et al. 2014) climate matches for *Cyprinus quidatensis* in the contiguous United States based on source locations reported by Huckstorf (2012). 0= Lowest match, 10=Highest match.

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

There is almost no information available about *Cyprinus quidatensis*. There are no documented introductions of this species outside of its native range, so no information is available from which to base an assessment of the invasive potential of this species. One source mentioned uncertainty about the correct taxonomic position of this species, but no further information available. Certainty of this assessment is low.

8 Risk Assessment

Summary of Risk to the Contiguous United States

Cyprinus quidatensis is a carp species native to the Red River basin in northern Vietnam. Little information is available about this species. It has a low climate match with the contiguous United States, except southwestern peninsular Florida, where there is a medium climate match. Certainty of this assessment is low due to lack of information pertaining to this species, and no evidence this species has been introduced outside its native range. History of invasiveness is uncertain. The overall risk assessment category for *Cyprinus quidatensis* is uncertain.

Assessment Elements

- **History of Invasiveness (Sec. 3): Uncertain**
- **Climate Match (Sec. 6): Low**
- **Certainty of Assessment (Sec. 7): Low**
- **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>. (September 2018).
- Froese, R., and D. Pauly, editors. 2018. *Cyprinus quidatensis* (Nguyen, Le, Le & Nguyen, 1999). FishBase. Available: <https://www.fishbase.de/summary/Cyprinus-quidatensis.html>. (September 2018).
- GBIF Secretariat. 2018. GBIF backbone taxonomy: *Cyprinus quidatensis*, Nguyen, Le, Le & Nguyen, 1999. Global Biodiversity Information Facility, Copenhagen. Available: <https://www.gbif.org/species/2367207>. (September 2018).
- Huckstorf, V. 2012. *Cyprinus quidatensis*. The IUCN Red List of Threatened Species 2012: e.T181235A1712135. Available: <http://www.iucnredlist.org/details/biblio/181235/0>. (September 2018).
- Sanders, S., C. Castiglione, and M. H. Hoff. 2014. Risk Assessment Mapping Program: RAMP. 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.

Nguyen, T. T., V. T. Le, T. B. Le, and X. K. Nguyen. 1999. Giong ca Chep *Cyprinus* Linnaeus, 1758 va mot loai ca moi *Cyprinus quidatensis* sp. nov. duoc hinh thanh bang con duong cach ly dia ly. Tuyen tap cong trinh nghien cuu cua hoi thao khoa hoc da dang sinh hoc Bac Truong Son (lan thu hai). Nha xuat ban Dai hoc quoc gia Ha Noi:8-15.