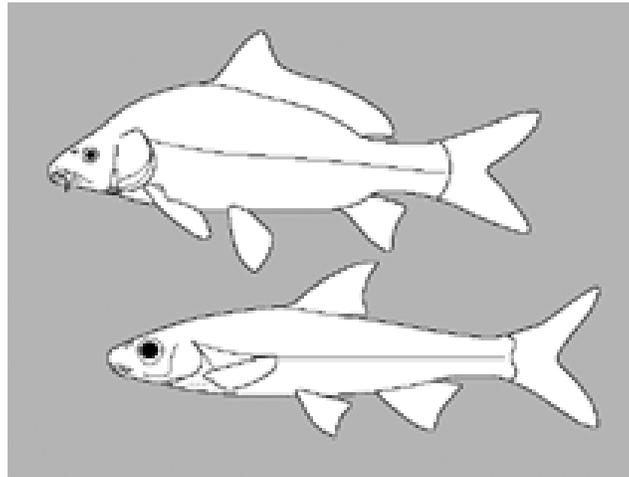


Cyprinus hyperdorsalis

Ecological Risk Screening Summary

Web Version – 10/01/2012



No image available for this species; drawing shows typical fish in this Family (Froese and Pauly 2011).

1 Native Range, and Status in the United States

Native Range

From Nguyen et al. (2011): “Known from the Black River (Sông Đà) drainage in northern Viet Nam (Son La and Hoa Binh Provinces) only (Nguyen and Ngo 2001).”

Status in the United States

No known nonindigenous occurrences.

Means of Introductions to the United States

No known means of introduction.

Remarks

From Nguyen et al. (2011): “The known habitat is heavily impacted by dam construction; following construction of the Hoa Binh hydropower dam, this species has not been recorded.”

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

From ITIS (2011):

Kingdom Animalia
Phylum Chordata
Subphylum Vertebrata
Superclass Osteichthyes
Class Actinopterygii
Subclass Neopterygii
Infraclass Teleostei
Superorder Ostariophysi
Order Cypriniformes
Superfamily Cyprinoidea
Family Cyprinidae
Genus *Cyprinus*
Species *Cyprinus hyperdorsalis*

Taxonomic Standing: valid

Environment

From Froese and Pauly (2011): “Freshwater; benthopelagic”

Climate/Range

From Froese and Pauly (2011): “Tropical”

Distribution

From Froese and Pauly (2011): “Asia: Viet Nam.”

Human uses

None reported.

Diseases

None reported.

Threat to humans

From Froese and Pauly (2011): “Harmless.”

3 Impacts of Introductions

No known impacts of introductions

4 Global Distribution



Figure 1 (above). *C. hyperdorsalis* is known only from the Son La and Hoa Binh Provinces in northern Viet Nam (Nguyen et al. 2011). Map from Google Earth (2011).

5 Distribution within the United States

No distribution within the United States

6 CLIMATCH

Summary of Climate Matching Analysis

The climate match (Australian Bureau of Rural Sciences 2011; 16 climate variables; Euclidean Distance) was high in parts of Florida and low elsewhere. It should be noted that this is a very rough estimate due to no described range beyond the country of Vietnam for *C. hyperdorsalis*. Climate 6 match indicated that the Continental U.S. has a medium climate match. The range for a low climate match is 0 to 0.005: the climate match of *C. hyperdorsalis* is 0.003.

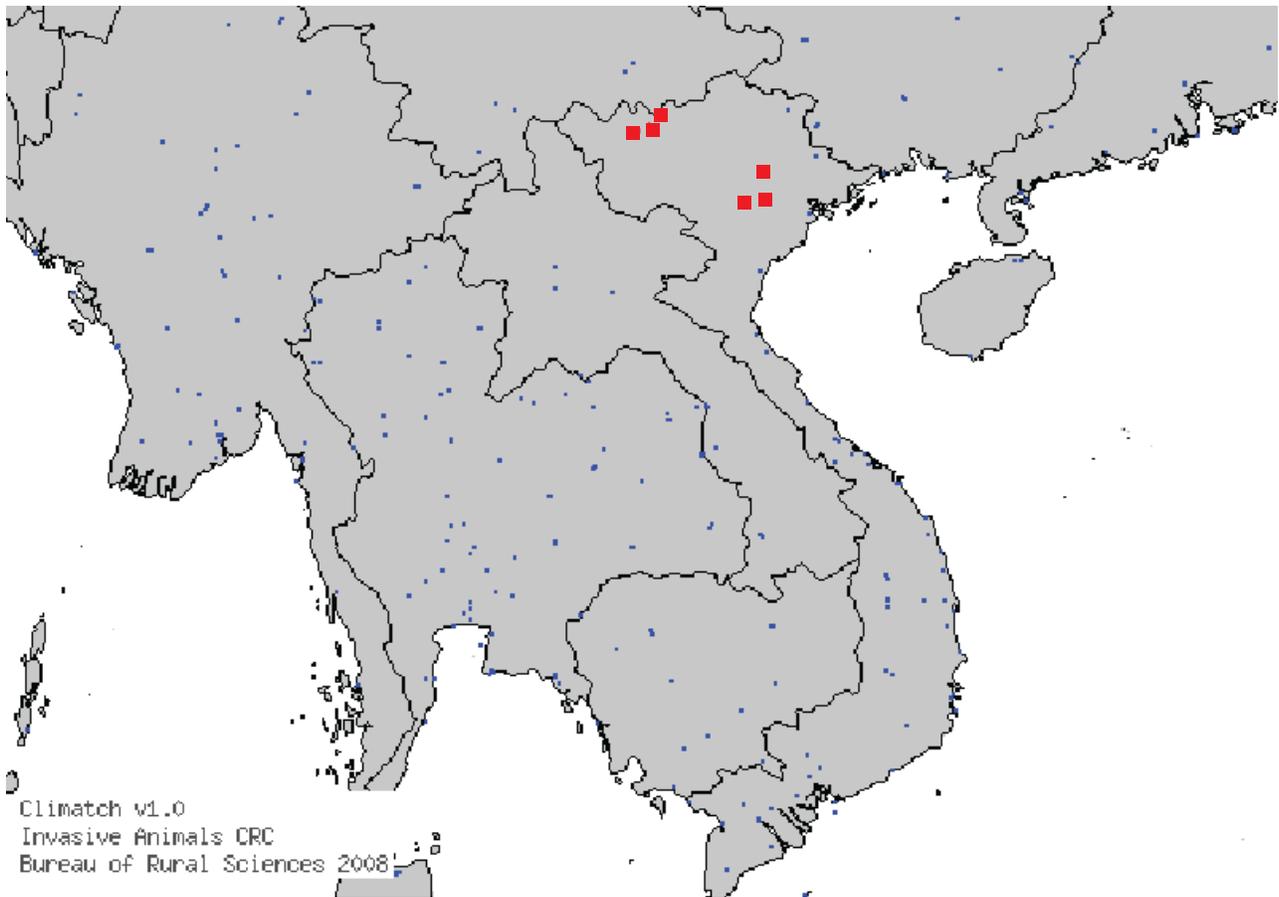


Figure 2 (above). CLIMATCH (Australian Bureau of Rural Sciences 2011) source map showing weather stations selected as source locations (red) and non-source locations (blue) for *C. hyperdorsalis* climate matching. Source locations from Nguyen et al. (2011).

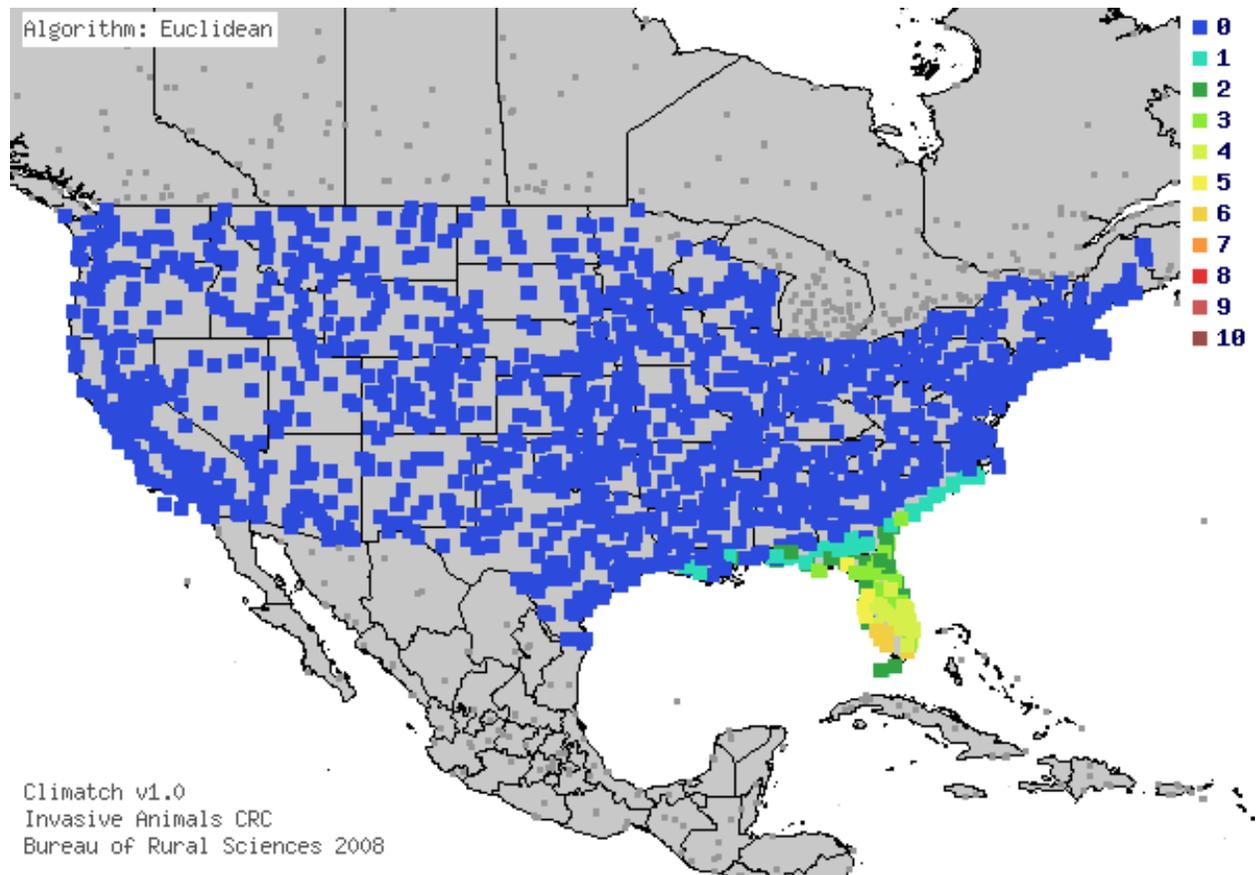


Figure 3 (above). Map of CLIMATCH (Australian Bureau of Rural Sciences 2011) climate matches for *C. hyperdorsalis* in the continental United States based on source locations reported by Nguyen et al. (2011). 0= Lowest match, 10=Highest match.

Table 1 (below). CLIMATCH (Australian Bureau of Rural Sciences 2011) climate match scores.

CLIMATCH Score	0	1	2	3	4	5	6	7	8	9	10
Count	1725	40	35	25	31	11	6	0	0	0	0
Climate 6 Proportion = 0.003 (Low)											

7 Certainty of Assessment

Peer-reviewed literature on the biology, ecology, and distribution associated with *Cyprinus hyperdorsalis* as well as information on its potential invasiveness is limited. More information and research on this species will be needed to strengthen the certainty of this assessment. The risk level is therefore uncertain, and the certainty of this risk is low.

8 Risk Assessment

Summary of Risk to the Continental United States

The overall risk assessment category for *Cyprinus hyperdorsalis* is uncertain. This is due to lack of specific occurrence data within Vietnam where it is distributed. There is no information indicating a history of invasiveness or of this species being introduced outside its native range.

Assessment Elements

- **History of Invasiveness (Sec. 3):** Low
- **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.

Australian Bureau of Rural Sciences. 2011. CLIMATCH. Available:
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Froese, R. and D. Pauly (Eds). 2011. *Cyprinus hyperdorsalis*. FishBase. Available:
<http://www.fishbase.org/summary/Cyprinus-hyperdorsalis.html> (Accessed September 2011).

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http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=688956 (Accessed September 2011).

Nguyen, T.H.T., Thinh, D.V. & Van, N.S. 2011. *Cyprinus hyperdorsalis*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.1. Available:
<http://www.iucnredlist.org/details/full/166872/0> (Accessed September 28, 2012).

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, V.H. and Ngo, S.V. 2001. Freshwater fish of Viet Nam. Agriculture Publisher, Ha Noi.