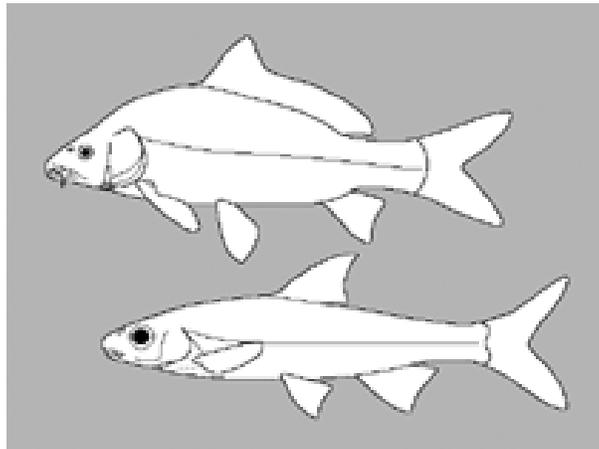


Deccan White Carp (*Cirrhinus fulungee*)

Ecological Risk Screening Summary

Web Version – 10/31/2012



No image available for this species; drawing shows typical fish in this Family

1 Native Range, and Status in the United States

Native Range

From Froese and Pauly (2011):

“Asia: Maharashtra and Karnataka in India; probably in other parts of Indian peninsula.”

Status in the United States

There are no recorded nonindigenous occurrences

Means of Introductions in the United States

There are no currently known means of introduction

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 *Cirrhinus*
 Species *Cirrhinus fulungee*

Current Taxonomic Standing: valid

Size, Weight, Age

From Froese and Pauly (2011): “Max length: 30.0 cm SL male/unsexed. (Roberts 1997)”

Environment

From Froese and Pauly (2011): “Benthopelagic; freshwater”

Climate/Range

From Froese and Pauly (2011): “Tropical”

Distribution

From Froese and Pauly (2011):

“Asia: Maharashtra and Karnataka in India; probably in other parts of Indian peninsula.”

Short description

From Froese and Pauly (2011):

“Dorsal spines (total): 0; Dorsal soft rays (total): 8; Vertebrae: 36 – 37”

Biology

From Froese and Pauly (2011): “Found in rivers and tanks (Menon 1999)”

Human uses

From Froese and Pauly (2011): “Fisheries: minor commercial”

Diseases

None reported.

Threat to humans

From Froese and Pauly (2011): “Harmless”

3 Impacts of Introductions

There are currently no recorded introductions or impacts of introductions.

4 Global Distribution

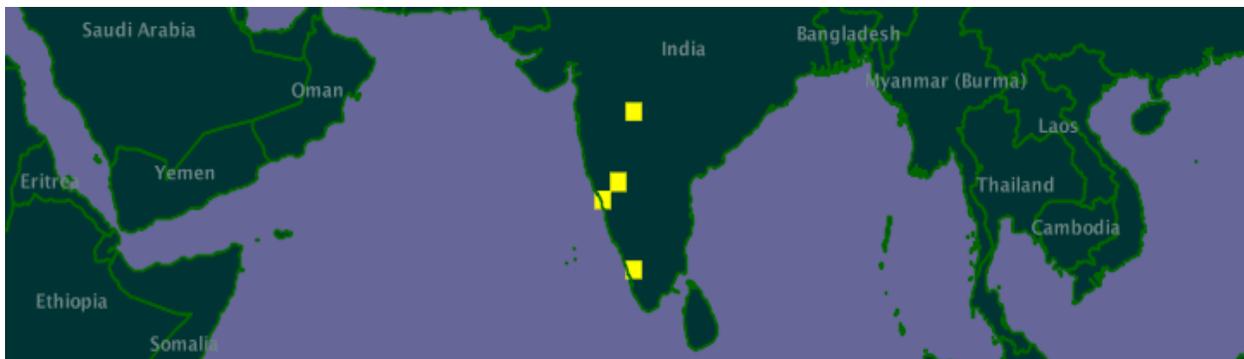


Figure 1 (above). Map of Asia showing the known distribution of *C. fulungee*. Map from GBIF(2011).

5 Distribution within the United States

There is currently no known distribution within the United States

6 CLIMATCH

Summary of Climate Matching Analysis

The climate match (Australian Bureau of Rural Sciences 2010; 16 climate variables; Euclidean Distance) was Medium in Southern Florida and Southern Texas and Low throughout the rest of the U.S. Climate 6 match indicated that the Continental U.S. has a low climate match. The range for a low climate match is 0.0 – 0.005 and the climate match of *C. Fulungee* is 0.003.

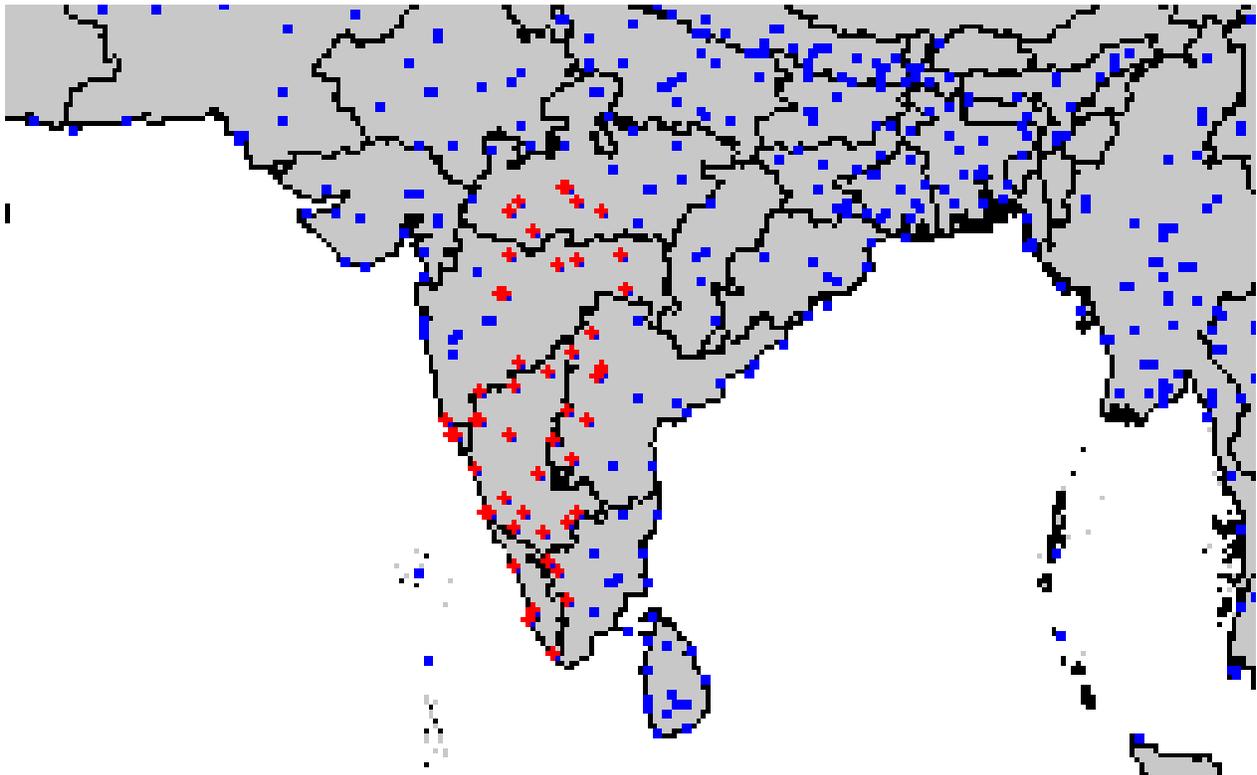


Figure 2 (above). CLIMATCH (Australian Bureau of Rural Sciences 2010) source map showing weather stations selected as source locations (red) and non-source locations (blue) for *C. fulungee* climate matching. Source locations from GBIF (2011).

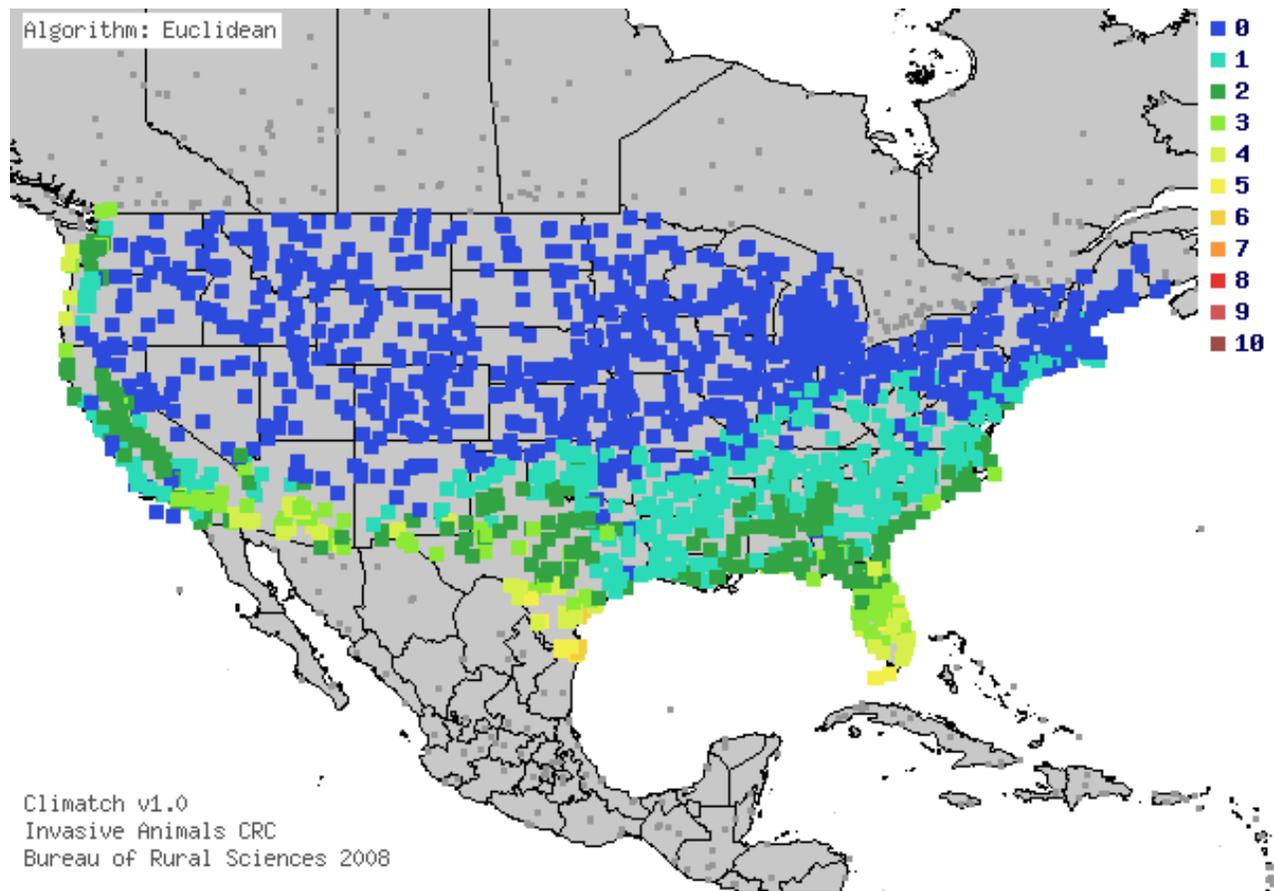


Figure 3 (above). Map of CLIMATCH (Australian Bureau of Rural Sciences 2010) climate matches for *C. fulungee* in the continental United States based on source locations reported by GBIF (2011). 0= Lowest match, 10=Highest match.

Table 1 (below). CLIMATCH (Australian Bureau of Rural Sciences 2010) climate match scores

CLIMATCH Score	0	1	2	3	4	5	6	7	8	9	10
Count	1019	419	294	121	83	16	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 *Cirrhinus fulungee* as well as information on its potential invasiveness is extremely 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

There is no history of invasiveness for this species and *C. fulungee* has not been introduced outside of its native range. Commercial value for this species is minor and the climate match is low. The overall risk assessment category for *C. fulungee* is uncertain due to the very small amount of information we have on this species.

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:
<http://adl.brs.gov.au:8080/Climatch/> (Accessed August 2011).

Froese, R. and D. Pauly (Eds.). 2011. *Cirrhinus fulungee*. FishBase. Available:
<http://www.fishbase.org/summary/Cirrhinus-fulungee.html> (Accessed August 2011).

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<http://data.gbif.org/species/5206464/> (Accessed August 2011).

ITIS. 2011. *Cirrhinus fulungee*. Integrated Taxonomic Information System. Available:
http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=688893 (Accessed August 2011).

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.

Menon, A.G.K. 1999. Check list - fresh water fishes of India. Rec. Zool. Surv. India, Misc. Publ., Occas. Pap. No. 175, 366 p.

Roberts, T.R. 1997. Systematic revision of the tropical Asian labeon cyprinid fish genus *Cirrhinus*, with descriptions of new species and biological observations on *C. lobatus*. Nat. Hist. Bull. Siam Soc. 45:171-203.