

Tilapia jallae

Ecological Risk Screening Summary

U.S. Fish and Wildlife Service, June 2015

Photo not available.

1 Native Range, and Status in the United States

Native Range

From Froese and Pauly (2015):

“Africa: upper Zambezi [Boulenger 1896; Daget et al. 1991].”

Status in the United States

This species has not been reported in the U.S.

Means of Introductions in the United States

This species has not been reported in the U.S.

2 Biology and Ecology

Taxonomic Hierarchy and Taxonomic Standing

From ITIS (2015):

“Kingdom Animalia
Subkingdom Bilateria
Infrakingdom Deuterostomia
Phylum Chordata
Subphylum Vertebrata
Infraphylum Gnathostomata
Superclass Osteichthyes
Class Actinopterygii
Subclass Neopterygii
Infraclass Teleostei
Superorder Acanthopterygii
Order Perciformes
Suborder Labroidei
Family Cichlidae
Genus *Tilapia*
Species *Tilapia jallae* (Boulenger, 1896)”

“Taxonomic Status: valid”

Size, Weight, and Age Range

From Froese and Pauly (2015):

“Max length : 7.5 cm TL male/unsexed; [Daget et al. 1991]”

Environment

From Froese and Pauly

(2015): “Freshwater;

benthopelagic.”

Climate/Range

From Froese and Pauly

(2015): “Tropical”

Distribution Outside the United States

Native

From Froese and Pauly (2015):

“Africa: upper Zambezi [Boulenger 1896; Daget et al. 1991].”

Introduced

No introductions of this species have been reported.

Means of Introduction Outside the United States

No introductions of this species have been reported.

Short description

No information available.

Biology

From Froese and Pauly

(2015): “Mouthbrooding

by females.”

Human uses

From Froese and Pauly (2015): “Fisheries: of no interest”

Diseases

No OIE-notifiable diseases have been reported for this species.

Threat to humans

From Froese and

Pauly (2015):

“Harmless”

3 Impacts of Introductions

No introductions of this species have been reported.

4 Global Distribution

No map available. From Froese and Pauly (2015):

“Africa: upper Zambezi [Boulenger 1896; Daget et al. 1991].”

5 Distribution within the United States

This species has not been reported in the U.S.

6 Climate Matching

Insufficient data available for climate matching. RAMP (Sanders et al. 2014) was unable to perform climate matching because no georeferenced locations were available for this species in GBIF (2015). Added locational data would allow climate matching to be completed in the future.

7 Certainty of Assessment

Little information is available on the biology of *T. jallae* and it has not become established outside its native range. The certainty of this assessment is high because the lack of information about this species precludes any assessment other than “uncertain” risk.

8 Risk Assessment

Summary of Risk to the Continental United States

Tilapia jallae is a benthopelagic cichlid native to the Upper Zambezi River basin in central Africa. The species has not been reported as introduced outside of its native range. Because *T. jallae* has no history of invasiveness, it is currently impossible to know what impacts *T. jallae* might have if introduced to the U.S. Climate match to the contiguous U.S. is also unknown, due to a lack of locational data. Overall risk of this species is uncertain.

Assessment Elements

- History of Invasiveness (Sec. 3):** Uncertain
- Climate Match (Sec.6):** Uncertain
- Certainty of Assessment (Sec. 7):** High

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.

Froese, R., and D. Pauly, editors. 2015. *Tilapia jallae* (Boulenger, 1896). FishBase. Available: <http://www.fishbase.us/summary/Tilapia-jallae.html>. (June 2015).

Global Biodiversity Information Facility (GBIF). 2015. GBIF backbone taxonomy: *Tilapia jallae* (Boulenger, 1896). Global Biodiversity Information Facility, Copenhagen. Available: <http://www.gbif.org/species/2370582>. (June 2015).

Integrated Taxonomic Information System (ITIS). 2015. *Tilapia jallae* (Boulenger, 1896). Integrated Taxonomic Information System, Reston, Virginia. Available: http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=648184. (June 2015).

Sanders, S., C. Castiglione, and M. Hoff. 2014. Risk Assessment Mapping Program: RAMP. US 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.

Boulenger, G. A. 1896. Liste des poissons recueillis par le R. P. Louis Jalla à Kazungula, haut Zambèse. Bollettino dei Musei di Zoologia ed Anatomia Comparata della Reale Università di Torino 11(260):1-2.

Daget, J., J.-P. Gosse, G. G. Teugels, and D. F. E. Thys van den Audenaerde. 1991. Check-list of the freshwater fishes of Africa, CLOFFA, volume 4. Institut Royal des Sciences Naturelles de Belgique, Brussels.