

# *Tilapia konkourensis*

## Ecological Risk Screening Summary

U.S. Fish and Wildlife Service, June 2015

Photo not available.

### 1 Native Range, and Status in the United States

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#### Native Range

From Froese and Pauly (2015):

“Africa: middle Konkouré River and its tributary, the Kakrima in Guinea [Dunz and Schliewen 2012].”

#### 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

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#### Taxonomic Hierarchy and Taxonomic Standing

From GBIF (2015):

“KINGDOM Animalia  
PHYLUM Chordata  
CLASS Actinopterygii  
ORDER Perciformes  
FAMILY Cichlidae  
GENUS *Tilapia*  
SPECIES *Tilapia konkourensis*”

“TAXONOMIC STATUS Accepted species”

#### Size, Weight, and Age Range

From Froese and Pauly (2015):

“Max length : 8.5 cm SL male/unsexed; [Dunz and Schliewen 2012]”

## **Environment**

From Froese and Pauly (2015):

“Freshwater; demersal.”

## **Climate/Range**

From Froese and Pauly (2015):

“Tropical”

## **Distribution Outside the United States**

Native

From Froese and Pauly (2015):

“Africa: middle Konkouré River and its tributary, the Kakrima in Guinea [Dunz and Schliewen 2012].”

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**

From Froese and Pauly (2015):

“Dorsal spines (total): 16; Dorsal soft rays (total): 11; Anal spines: 0; Anal soft rays: 8. Distinguished from all other *Tilapia* sensu lato except *Tilapia fusiforme* Dunz & Schliewen, 2010 in having a shallower body 30.0-31.5% vs. 32.9-52.5% SL and from *Tilapia fusiforme* in having eight instead of nine to twelve lower lateral-line scales [Dunz and Schliewen 2012].”

## **Biology**

From Froese and Pauly (2015):

Occurs in rapids [Dunz and Schliewen 2012].

## **Human uses**

No information available.

## **Diseases**

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

## Threat to humans

From Froese and Pauly (2015):

“Harmless”

## 3 Impacts of Introductions

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No introductions of this species have been reported.

## 4 Global Distribution

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**Figure 1.** Global distribution of *T. konkourensis*. Map from GBIF (2015).

## 5 Distribution within the United States

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

## 6 Climate Matching

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Insufficient data available for climate matching. RAMP (Sanders et al. 2014) was unable to perform climate matching because only one georeferenced location was available for this species in GBIF (2015). Added locational data would allow climate matching to be completed in the future.

## 7 Certainty of Assessment

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Little information is available on the biology of *T. konkourensis* 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

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### Summary of Risk to the Continental United States

*Tilapia konkourensis* is a demersal cichlid native to Guinea. The species has not been reported as introduced outside of its native range. Because *T. konkourensis* has no history of invasiveness, it is currently impossible to know what impacts *T. konkourensis* 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

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**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 konkourensis* Dunz & Schliewen, 2012. FishBase. Available: <http://www.fishbase.org/summary/66557>. (June 2015).

Global Biodiversity Information Facility (GBIF). 2015. *Tilapia konkourensis* Dunz & Schliewen, 2012. Global Biodiversity Information Facility, Copenhagen. Available: <http://www.gbif.org/species/7193186>. (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

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**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.**

Dunz, A. R., and U. K. Schliewen, 2012. Description of a rheophilic *Tilapia* species Smith, 1840 (Teleostei: Cichlidae) from Guinea with comments on *Tilapia rheophila* Daget, 1962. *Zootaxa* 3314:17-30.