Synclidopus hogani

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Actinopterygii	Pleuronectiformes	Soleidae

Taxon Name: *Synclidopus hogani* Johnson & Randall, 2008

Taxonomic Source(s):

Eschmeyer, W.N., Fricke, R., and Ven der Laan, R. (eds.). 2017. Catalog of Fishes: genera, species, references. Updated 01 November 2017. Available at: <http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp>.

Assessment Information

Red List Category & Criteria: Data Deficient [ver 3.1](#)

Year Published: 2019

Date Assessed: February 14, 2019

Justification:

Listed as Data Deficient because it is currently known from only one location but could occur more widely but surveys have not been possible due to lack of access to upstream areas. It is still known only from the first collections in 2002 and 2006. There is no information on ecology, population status or trends or whether there are any major threats.

Geographic Range

Range Description:

This species is known from the lower freshwater reaches including the upper tidal zone of the Daintree River, upstream from Daintree, Queensland, Australia (Johnson and Randall 2008).

Country Occurrence:

Native: Australia (Queensland)

Distribution Map

Synclidopus hogani

Range
■ Extant (resident)

Compiled by:
Lintermans, M. and colleagues 2019 IUCN Red List assessment for Australian freshwater fish.

Population

It is a rare species and has been collected only twice in 2002 and 2006 and is known from only six specimens. It is a difficult species to sample and detect due to accessibility and biology.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

This species' ecology is largely unknown. It inhabits a broad shallow sand bank on the southern side of the Daintree River on a coarse sand and gravel bottom with fallen leaves and open shells of freshwater bivalve molluscs. This region has flowing clear water and is around 5-6 km upstream from brackish water zone. Tidal influences raise and fall the water level around 75 cm.

Systems: Freshwater

Use and Trade

There is no use or trade of this species.

Threats

At present there are no major threats to this species that occurs in a protected, difficult to access area. The majority of the Daintree River catchment is in excellent condition.

Conservation Actions (see Appendix for additional information)

Its only known location is within the Wet Tropics World Heritage Area.

Credits

Assessor(s): Ebner, B. & Kennard, M.

Reviewer(s): Unmack, P., Brooks, S. & Hammer, M.

**Facilitators(s) and
Compiler(s):** Chanson, J.S.

Bibliography

Bray, D.J. 2017. *Synclidopus hogani* in Fishes of Australia. Available at: <http://fishesofaustralia.net.au/home/species/5260>. (Accessed: 27/07/18).

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Johnson, J.W. & Randall, J.E. 2008. *Synclidopus hogani*, a new species of soleid fish from northeastern Queensland, Australia. . *Memoirs of the Queensland Museum* 52(2): 245-254.

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
5. Wetlands (inland) -> 5.1. Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	Resident	Suitable	Yes

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: No

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.3. Life history & ecology
1. Research -> 1.5. Threats
3. Monitoring -> 3.1. Population trends
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 12-20
Estimated extent of occurrence (EOO) (km ²): 12-20
Number of Locations: 1
Habitats and Ecology
Movement patterns: Unknown

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