

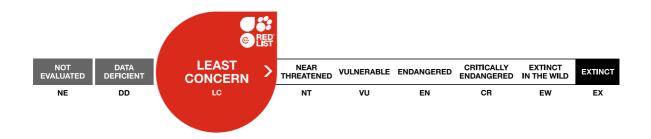
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# Cottoperca trigloides, Frogmouth

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## **Taxonomy**

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Actinopterygii	Perciformes	Bovichtidae

**Scientific Name:** *Cottoperca trigloides* (Forster, 1801)

#### Synonym(s):

Batrachus trigloides Forster, 1801Cottoperca gobio (Günther, 1861)

#### Common Name(s):

• English: Frogmouth, Channel Bull Blenny

• Spanish; Castilian: Dormilón

#### **Taxonomic Notes:**

Cottoperca gobio is almost certainly a synonym of C. trigloides (J.M. Díaz de Astarloa pers. comm. 2019).

## **Assessment Information**

Red List Category & Criteria: Least Concern ver 3.1

Year Published: 2020

**Date Assessed:** December 4, 2019

#### Justification:

This widely distributed, demersal species is associated with rocky bottoms and kelp forests. It is discarded as bycatch in trawl fisheries, but this is not expected to be driving population declines approaching a Near Threatened or threatened level at this time; therefore, it is listed as Least Concern.

# **Geographic Range**

#### **Range Description:**

This species is endemic to the Patagonia Sea region. It occurs from Puerto Montt in central Chile (41°S) to the Beagle Channel (55°S) to Tierra del Fuego north to 41°S in Argentina, including the Malvinas Islands. Records from Uruguay require verification. The depth range is 5-310 metres, but it is more common between 5-25 m (Reyes and Hüne 2012).

#### **Country Occurrence:**

Native, Extant (resident): Argentina; Chile; Falkland Islands (Malvinas)

#### **FAO Marine Fishing Areas:**

Native: Pacific - southeast

Native: Atlantic - southwest

# **Distribution Map**





# Compiled by: IUCN Marine Biodiversity Unit/GMSA 2020







The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

## **Population**

This species is not abundant and is relatively uncommon throughout its range. In Chile, it is most common south of the Corcovado Gulf (43°39'S) (Reyes and Hüne 2012).

**Current Population Trend:** Unknown

## Habitat and Ecology (see Appendix for additional information)

This demersal species inhabits rocky bottoms and kelp forests (Reyes and Hüne 2012, Friedlander *et al.* 2020). Egg masses are attached to the substrate (Arkhipkin *et al.* 2015). The maximum total length is 80 cm (Laptikhovsky and Arkhipkin 2003, Eastman 2019). Longevity is at least 8 years (Lattuca *et al.* 2020), but may live a few more years longer than that (C. Buratti pers. comm. 2019).

**Systems:** Marine

## Use and Trade (see Appendix for additional information)

This species is not utilized, but is commonly discarded as bycatch in high-sea trawlers targeting hake (*Merluccius hubbsi*) and Patagonian shrimp (*Pleoticus muelleri*) in San Jorge Gulf, Chubut, Argentina (Bovcon *et al.* 2013, Arkhipkin *et al.* 2015) and trawl fisheries in Chile (Reyes and Hüne 2012).

## **Threats**

Bycatch from fishing activity is not expected to be driving global-level declines approaching Near Threatened or threatened at this time.

## **Conservation Actions**

There are no species-specific conservation measures.

### **Credits**

Assessor(s): Buratti, C., Díaz de Astarloa, J., Hüne, M., Irigoyen, A., Landaeta, M., Riestra,

C. & Vieira, J.P.

**Reviewer(s):** Linardich, C.

**Contributor(s):** Campagna, C.

Facilitator(s) and

Compiler(s):

Linardich, C., Falabella, V. & Wildlife Conservation Society

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# **Bibliography**

Arkhipkin, A., Boucher, E. and Howes, P.N. 2015. Spawning and early ontogenesis in channel bull blenny *Cottoperca gobio* (Notothenioidei, Perciformes) caught off the Malvinas/Falkland Islands and maintained in captivity. *Polar Biology* 38(2): 251-259.

Bovcon, N.D., Góngora, M.E., Marinao, C. and González-Zevallos, D. 2013. Composición de las capturas y descartes generados en la pesca de merluza común *Merluccius hubbsi* y langostino patagónico *Pleoticus muelleri*: un caso de estudio en la flota fresquera de altura del Golfo San Jorge, Chubut, Argentina. *Revista de biología marina y oceanografía* 48(2): 303-319.

Eastman, J.T. 2019. An analysis of maximum body size and designation of size categories for notothenioid fishes. *Polar Biology* 42(6): 1131-1145.

Friedlander, A.M., Ballesteros, E., Bell, T.W., Caselle, J.E., Campagna, C., Goodell, W., Hüne, M., Muñoz, A., Salinas-de-León, P., Sala, E. and Dayton, P.K. 2020. Kelp forests at the end of the earth: 45 years later. *Plos one* 15(3): e0229259.

IUCN. 2020. The IUCN Red List of Threatened Species. Version 2020-3. Available at: <a href="www.iucnredlist.org">www.iucnredlist.org</a>. (Accessed: 10 December 2020).

Laptikhovsky, V.V. and Arkhipkin, A.I. 2003. An impact of seasonal squid migrations and fishing on the feeding spectra of subantartic notothenioids *Patagonotothen ramsayi* and *Cottoperca gobio* around the Falkland islands. *Journal of Applied Ichthyology* 19: 35-39.

Lattuca, M.E., Llompart, F., Avigliano, E., Renzi, M., De Leva, I., Boy, C.C., Vanella, F.A., Barrantes, M.E., Fernández, D.A. and de Albuquerque, C.Q. 2020. First insights into the growth and population structure of *Cottoperca trigloides* (Perciformes, Bovichtidae) from the southwestern Atlantic Ocean. *Frontiers in Marine Science* 7(421): 1-14.

Reyes, P.L, and Hüne, M. 2012. Peces del Sur de Chile. Ocho Libros, Santiago.

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## **External Resources**

For <u>Supplementary Material</u>, and for <u>Images and External Links to Additional Information</u>, please see the Red List website.

# **Appendix**

# **Habitats**

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

Habitat	Season	Suitability	Major Importance?
9. Marine Neritic -> 9.2. Marine Neritic - Subtidal Rock and Rocky Reefs	Resident	Suitable	Yes
9. Marine Neritic -> 9.7. Marine Neritic - Macroalgal/Kelp	Resident	Suitable	Yes

# **Additional Data Fields**

Distribution		
Lower depth limit (m): 310		
Upper depth limit (m): 5		

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