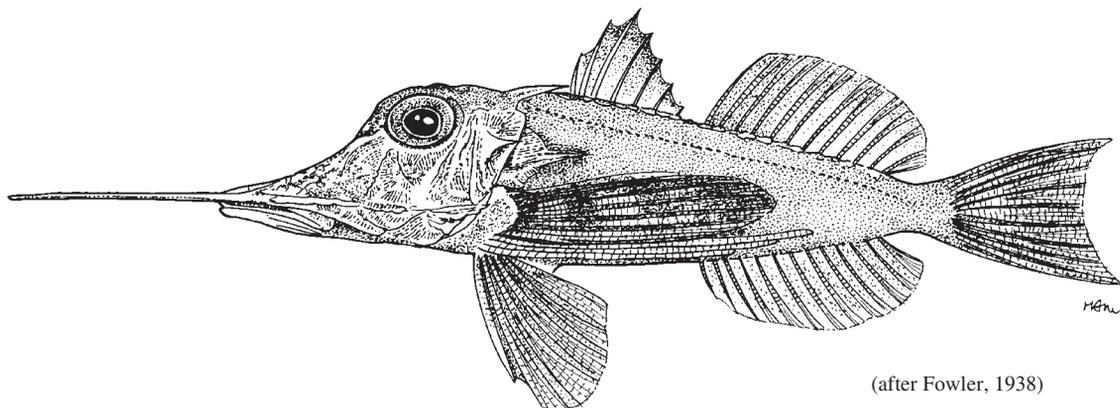


*Pterygotrigla macrorhynchus* Kamohara, 1936

**Frequent synonyms / misidentifications:** *Parapterygotrygla macrorhynchus* (Kamohara, 1936); *Dixiphistes macrorhynchus* Fowler, 1938; *Dixiphichthys ferculum* Whitley, 1952 / None.

**FAO names:** En - Longnose gurnard.



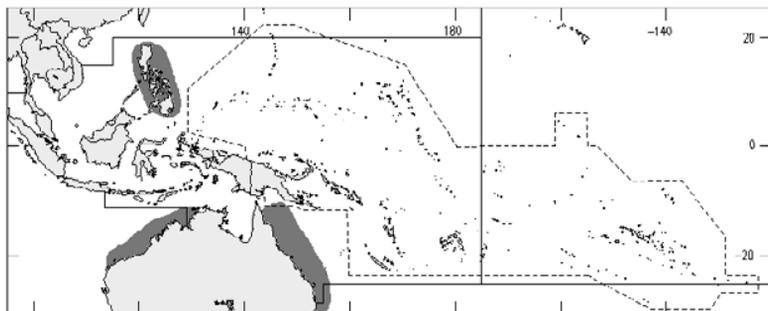
(after Fowler, 1938)

**Diagnostic characters:** Head large, triangular. **Snout long, 17 to 22% of standard length. Nasal spine present**, opercular spine short, nuchal spine long, rostral spines very long, antrorse rostral spine absent, and cleithral spine long. Base of first dorsal fin with 10 flat plates, first plate extends in advance of first dorsal-fin spine. Lateral-line scales small, more than 70 rows; breast and nape scaleless. **Colour:** preserved specimens with 3 dark bands on pectoral fins; no spots on dorsum.

**Size:** Maximum standard length 16 cm.

**Habitat, biology, and fisheries:** A rare deep-water species. Incidentally caught by deep trawling or hook-and-line.

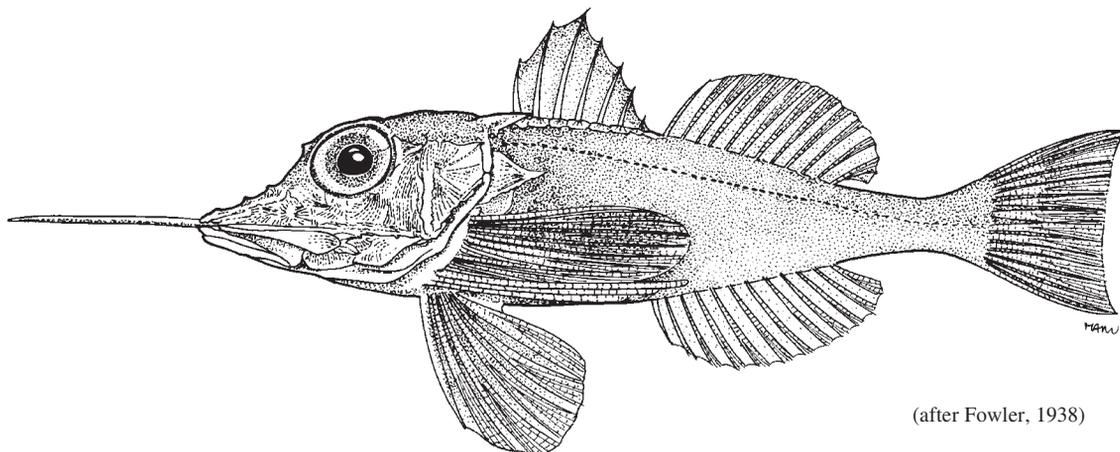
**Distribution:** Japan southward to the Philippines; also in western and eastern Australia and western Indian Ocean around Madagascar, Mozambique Channel, and Andaman Sea.



***Pterygotrigla megalops*** (Fowler, 1938)

**Frequent synonyms / misidentifications:** *Parapterygotytrigla megalops* (Fowler, 1938); *Dixiphistops megalops* Fowler, 1938 / None.

**FAO names:** En - Bigeye gurnard.



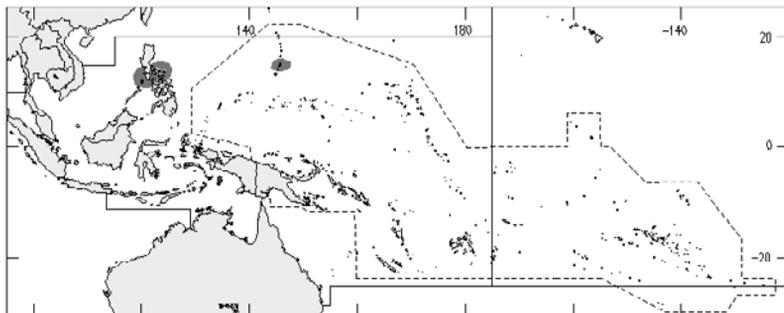
(after Fowler, 1938)

**Diagnostic characters:** Head large, triangular. **Nasal spine present**, opercular spine short, nuchal spine long, rostral spines very long, antrorse rostral spine absent, cleithral spine long. Base of first dorsal fin with 10 flat plates, first plate extends in advance of first dorsal-fin spine. **Pectoral fins short, 30 to 35% of standard length. Nape, breast, and belly scaly.** Lateral-line scales small, more than 70 rows. **Colour:** preserved specimens uniformly tan; no spots on dorsum.

**Size:** Maximum standard length 12 cm.

**Habitat, biology, and fisheries:** A rare deep-water species. Incidentally caught by deep trawling or hook-and-line.

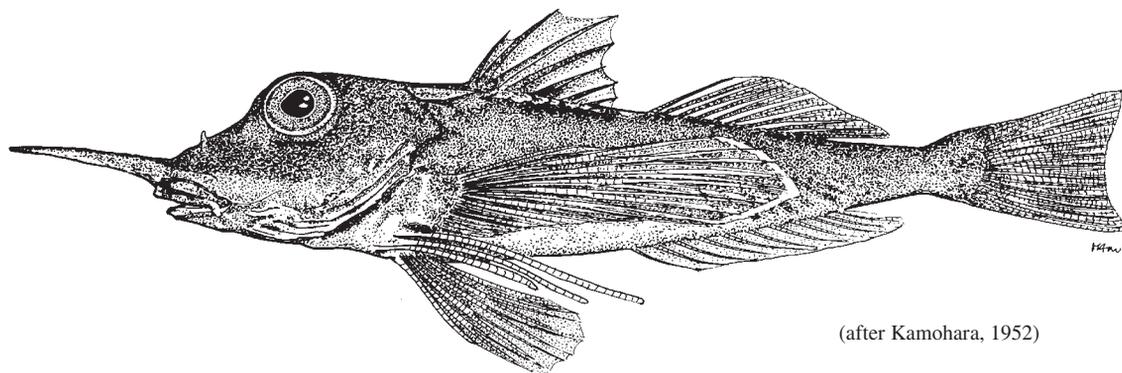
**Distribution:** Philippines and Saipan.



*Pterygotrigla multiocellata* (Matsubara, 1937)

**Frequent synonyms / misidentifications:** *Parapterygotrigla multiocellata* Matsubara, 1937 / None.

**FAO names:** En - Antrorse spined gurnard.



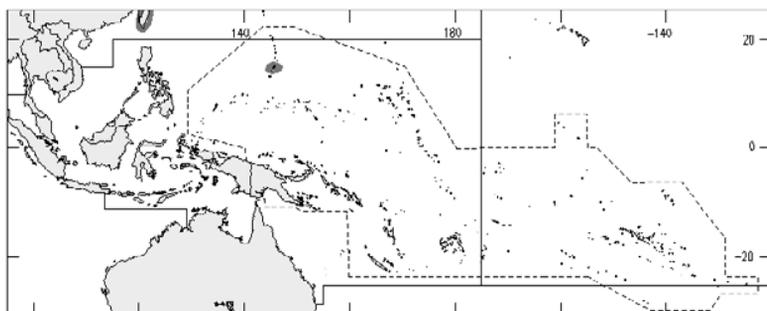
(after Kamohara, 1952)

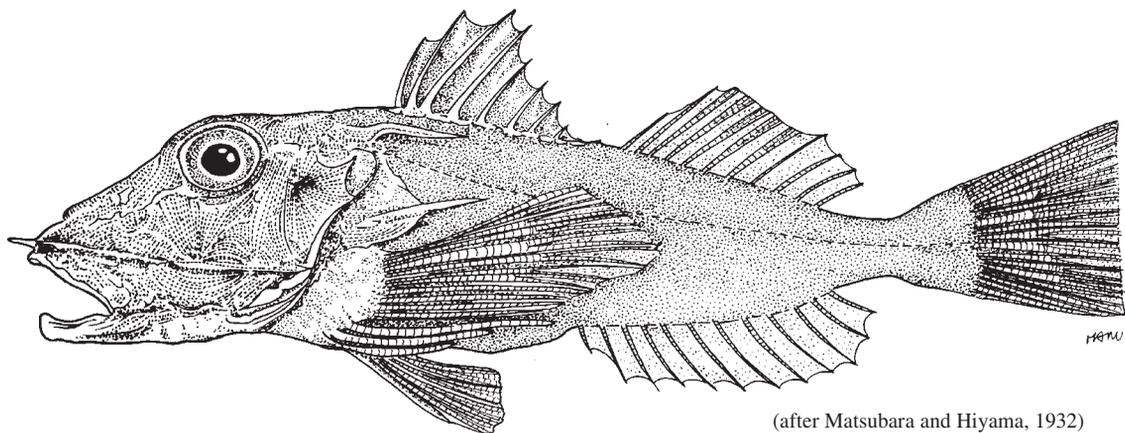
**Diagnostic characters:** Head large, triangular. No spines around orbit; nasal spine present, opercular spine short, nuchal spine long, rostral spines strong but short, **antrorse rostral spine present**, and cleithral spine long. Base of first dorsal fin with 10 flat plates, first plate extends in advance of first dorsal-fin spine. Lateral-line scales small, more than 70 rows. **Colour:** mostly red without black spots.

**Size:** Maximum standard length 24 cm.

**Habitat, biology, and fisheries:** A rare deep-water species. Incidentally caught by deep trawling or hook-and-line.

**Distribution:** Japan southward to Taiwan Province of China, eastward to Saipan.



***Pterygotrigla ryukyuensis*** Matsubara and Hiyama, 1932)**Frequent synonyms / misidentifications:** None / None.**FAO names:** En - Ryukyu gurnard.

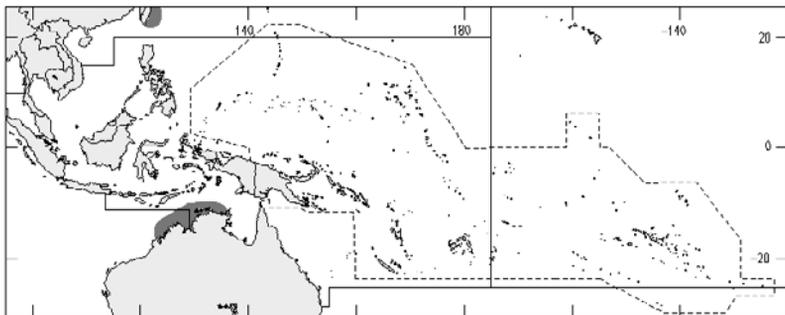
(after Matsubara and Hiyama, 1932)

**Diagnostic characters:** Head large, triangular. **Nasal spine absent**, opercular spine short, nuchal spine long, rostral spines very long, antrorse rostral spine absent, and cleithral spine long. Base of first dorsal fin with about 10 flat plates, **first plate extends in advance of first dorsal-fin spine**. Nape scaleless, breast, and belly scaly. Lateral-line scales small, more than 70 rows. **Colour:** preserved specimens uniformly tan; no spots on dorsum.

**Size:** Maximum standard length 25 cm.

**Habitat, biology, and fisheries:** A rare deep-water species. Incidentally caught by deep trawling or hook-and-line. Some specimens exhibit extreme hyperostosis of the head and dorsal-fin spines.

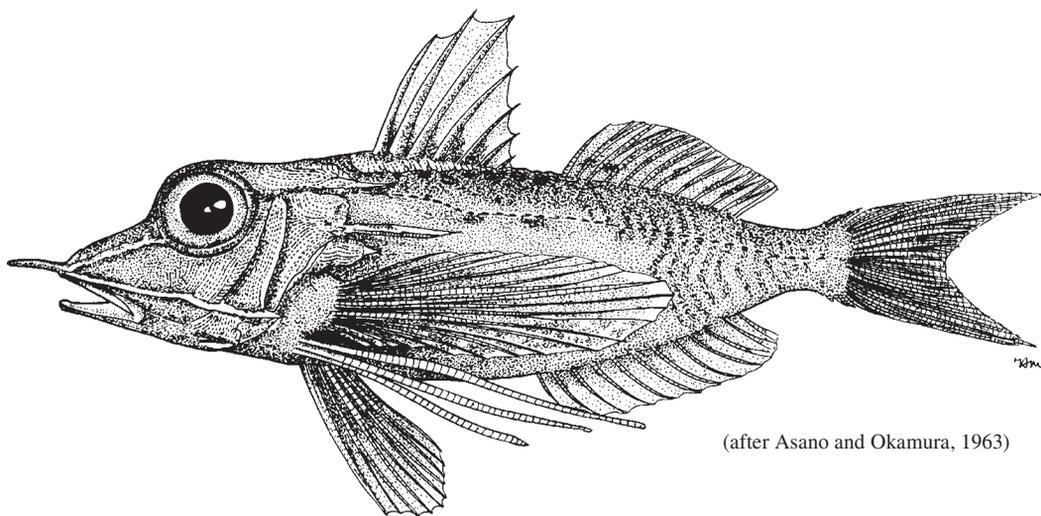
**Distribution:** Japan southward to Taiwan Province of China, and northwestern Australia.



***Pterygotrigla tagala*** (Herre and Kaufman, 1952)

**Frequent synonyms / misidentifications:** *Pterygotrigla spinosa* Asano and Okamura, 1963 / *Pterygotrigla hemisticta* (Temminck and Schlegel, 1843).

**FAO names:** En - Tagala gurnard.



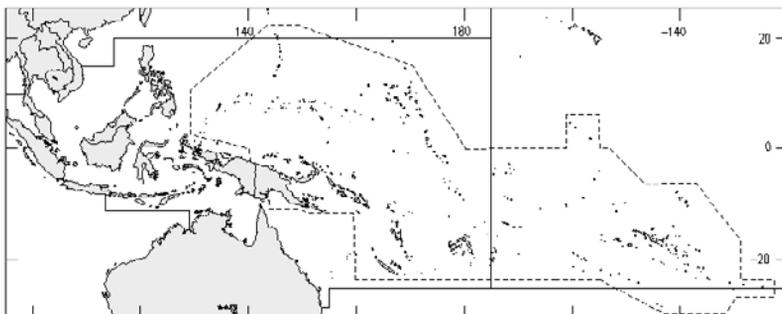
(after Asano and Okamura, 1963)

**Diagnostic characters:** Head large, triangular, with many ridges and spines. **Opercular spine long and slender, extending behind cleithrum**, nasal spine absent, antrorse rostral spine absent, cleithral spine very reduced or absent, with base barely visible. Rostral spines strong but short. Base of first dorsal fin with 10 flat plates, first plate extends in advance of first dorsal-fin spine. Lateral-line scales small, more than 70 rows. Pectoral fins with 13 connected rays. **Colour:** probably reddish in life as are congeners; preserved specimens brownish; **dorsum with a few dark spots; pectoral fins with black area bordered with white or light spots**, remainder dark.

**Size:** Maximum standard length 10 cm.

**Habitat, biology, and fisheries:** Taken in depths of 99 to 119 m. No present fishery, but taken incidentally throughout its range.

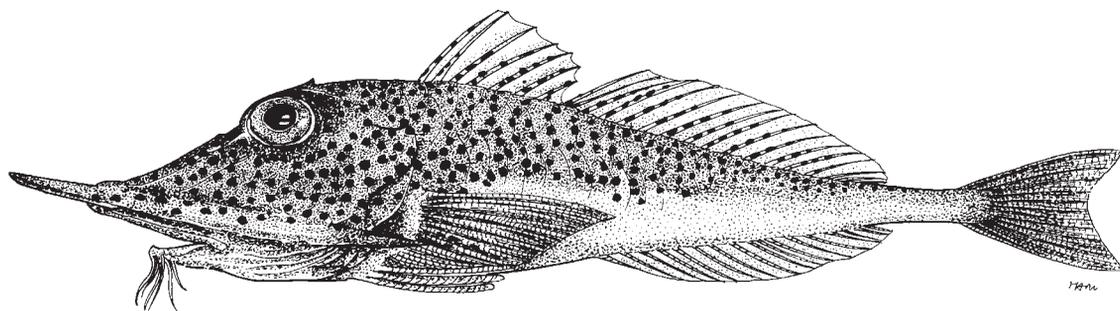
**Distribution:** Known only from Manila Bay (Philippines).



***Satyrichthys riefflei*** (Kaup, 1859)

**Frequent synonyms / misidentifications:** None / Other species of the subfamily Peristediinae.

**FAO names:** En - Spotted armoured gurnard.



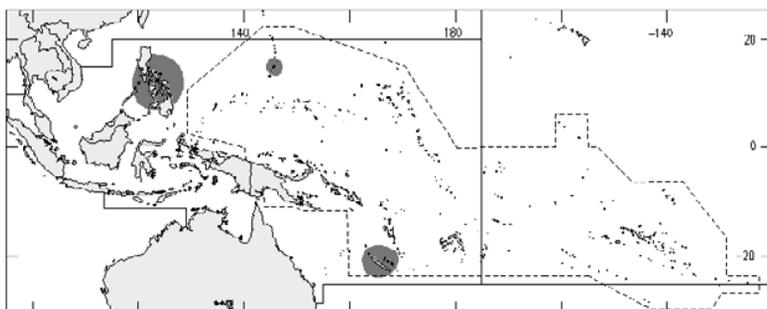
(after Okamura, 1985)

**Diagnostic characters:** Head large, with long preopercular spine and long flattened rostral process. Filamentous barbel moderately long, 15% of standard length. Dorsal-fin spines VII; second dorsal-fin rays 17. Anal-fin rays 17. **Colour:** mostly reddish with **dark spots on head and dorsum**.

**Size:** Maximum standard length 30 cm.

**Habitat, biology, and fisheries:** A deep-water species. No present fishery, but taken incidentally throughout its range. Bony scutes reduce commercial value.

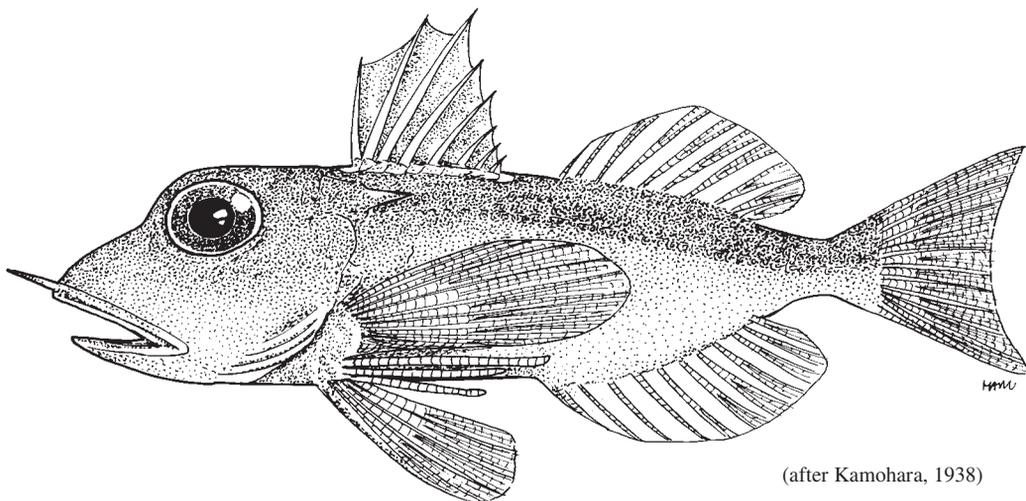
**Distribution:** Western Pacific and Indian oceans.



***Uradia macrolepidota*** (Kamohara, 1938)

**Frequent synonyms / misidentifications:** *Pterygotrigla macrolepidota* (Kamohara, 1938) / None.

**FAO names:** En - Largescaled gurnard.



(after Kamohara, 1938)

**Diagnostic characters:** Head large, triangular, with large orbit. Rostral spines strong but short. Opercular spine short, nasal spine absent, antrorse rostral spine absent, and cleithral spine moderate. **Base of first dorsal fin with 10 flat plates, first plate extends in advance of first dorsal-fin spine.** Pectoral fins with 12 connected rays. **Large lateral-line scales, about 60 rows.** **Colour:** mostly reddish head and dorsum; flanks and belly white.

**Size:** Maximum standard length 15 cm.

**Habitat, biology, and fisheries:** A deep-water species. No present fishery, but taken incidentally throughout its range as bycatch.

**Distribution:** Tosa Bay, Japan and recent records from New Caledonia (Del Cerro and Lloris, ms; specimens not seen).

