



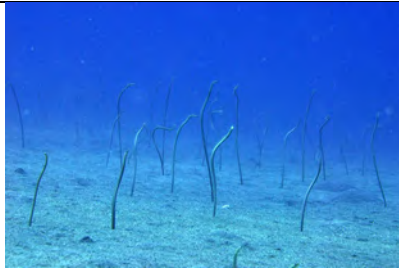
Questions? Feel free to contact me at
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Fishes of Hawaii: Life in the Sand

Fishinar 11/14/16

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Director of Science- REEF



Hawaiian Garden Eel (*Gorgasia hawaiiensis*) – Conger Eel

Light grayish green, covered in small brownish spots. Found in colonies, feeding on plankton. Only garden eel in Hawaii. Up to 24"

ENDEMIC

Photo by: John Hoover



Two-Spot Sandgoby (*Fusigobius duospilus*) – Goby

Small translucent fish with many orangish-brown markings on body. Black dash markings on first dorsal (looks like vertical dark line). Small blotch at base of tail (smaller than pupil). Pointed nose. The only sandgoby in Hawaii.

Photo by: John Hoover



Eyebar Goby (*Gnatholepis anjerensis*) - Goby

Thin lines through eye that do not meet at the top of the head. Row of smudgy spots down side of body. Small white spots along base of dorsal fin. Can have faint orange shoulder spot. Typically shallow, above 40 ft. Up to 3"

Photo by: Christa Rohrbach



Shoulder-spot Goby (*Gnatholepis cauerensis*) - Goby aka Shoulderbar Goby in CIP and SOP

Line through eye is typically thicker, and it goes all the way across its head. Body has numerous thin lines made up of small spots. Small orange shoulder spot usually visible and is vertically elongated. Typically deeper, below 40 ft. Up to 3"

Photo by: Florent Charpin



Hawaiian Shrimpgoby (*Psilogobius mainlandi*) - Goby

Found in silty sand, lives commensally with a blind shrimp. Pale body color with several vertical pale thin lines, can have brownish orange spots. Eyes can be very dark. Darts in hole if disturbed. Only shrimpgoby in Hawaii. Up to 2"

ENDEMIC

Photo by: Jim Spears



**Spottail Dartfish (*Ptereleotris heteroptera*) - Dartfish
aka Indigo Dartfish**

Bright blue with iridescent blue markings on head. Tail has an elongate spot in center. Can be solitary or in small groups. Will dive into rubble/sand if disturbed. Up to 4"

Photo by: Jim Spears



Flagtail Tilefish (*Malacanthus brevirostris*) - Tilefish

Tilefish are called "Blanquillo" in most of tropical Pacific.

Elongate pearly white bluish body (sometimes with faint body bars), two black stripes on tail (looks like a flag!). Hover above sand in undulating motion, often in pairs. Will dive into rubble burrow when disturbed. Up to 12"

Photo by: Barry Fackler



Rockmover Wrasse (*Novaculichthys taeniourus*) – Wrasse

Dark body with pale spots. Adult turns over rocks in search of food, often nuclear hunting with other species. Juveniles mimics drifting seaweed with several dorsal spines displayed erect (like antlers), body is greenish with brown bars, sometimes called "Dragon Wrasse". Up to 12" (juveniles up to 3").

Photo by: Andrew J Green (Reef Life Survey)



Peacock Razorfish (*Iniistius pavo*) – Wrasse

Very steep forehead. Large white patch on belly with one or two black spots above patch. Can have dusky bars. First two dorsal spines separate from dorsal fin. Juveniles mimic floating leaves, with long first dorsal spines held out front. Will dive in sand if disturbed. Up to 12"

Photo by: Andrey Ryanskiy



Hawaiian Knifefish (*Cymolutes lecluse*) - Wrasse

Light greenish to white body. Can occasionally have faint body bars. Males have small spot on side, females have small spot at tail base. Found in sand and seagrass beds, will dive in sand if disturbed. Up to 8"

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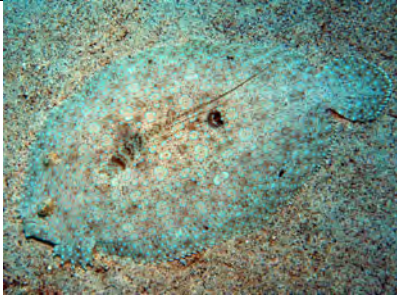
Photo by: Rick Long



Redspotted Sandperch (*Parapercis schauinslandii*) – Sandperch

Red dark blotch on front of dorsal fin. Body has 8-9 dark red to black spots along top of body. Two dark spots at base of tail. Can vary from brilliant red to pale. Often perches up on a rock in sand. Up to 5"

Photo by: Jim Spears



**Flowerly Flounder (*Bothus mancus*) – Lefteye Flounder
aka Peacock Flounder (not the same species as in TWA)**

Eyes set far apart and lower eye is in front of upper eye. Head profile is concave. Blue spots and circles on body. Male has long pectoral fin. Up to 19”
Photo by: Florent Charpin



Panther Flounder (*Bothus pantherinus*) – Lefteye Flounder

Eyes are close together and lower eye nearly aligned with upper eye. Head profile is round. Dark-edged pale spots and florets on body. Male has long pectoral fin. Up to 15”
Photo by: Florent Charpin



BONUS: Goatfishes

There are 9 species of goatfish that you are likely to see while diving and snorkeling around Hawaii. Manybar, Island (pka Doublebar), Yellowfin, Yellowstripe, Blue (or Goldsaddle), Sidespot, Whitesaddle, Bandtail, and Pfleuger’s.
Photo by: Florent Charpin