

17 New Monitored Species

Invertebrates and Algae of the Pacific Northwest

Fishinar 1/19/2016, Janna Nichols — Instructor Questions? Feel free to contact me at janna@REEF.org



Arthropoda

Graceful Crab Cancer gracilis

Most common crab in Puget Sound. Sandy, silty bottoms. Purple color, blanket stitch edging outlined in white. Photo by Ed Gullekson



Arthropoda

Puget Sound King Crab Lopholithodes mandtii

Very camouflaged, have 4 large bumps on carapace. Colorful and quite large.

Photo by Janna Nichols



Arthropoda

Squat Lobster Munida quadraspina

Small, often just head and claws poking out of hiding holes. Sandy, silty bottoms.

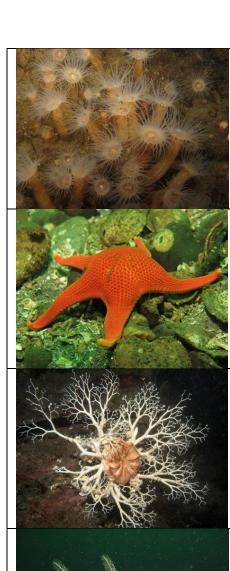
Photo by Ed Gullekson



Bryozoa

Fluted Bryozoan Hippodiplosia insculpta

Like lunchmeat all folded up, on hard rocky substrate. Photo by Janna Nichols



Cnidaria

Orange Zoanthid Epizoanthus scotinus

Sides of large boulders or rock reefs, often undercuts of ledges Photo by Greg Jensen

Echinodermata

Vermilion Star Mediaster aequalis

Reddish orange, 5 arms, geometric pattern on body. Photo by Ed Gullekson



Echinodermata

Basket Star Gorgonocephalus eucnemis

High current areas, hard rocky structure. Can be curled up or arms extended.

Photo by Tom Nicodemus



Echinodermata

Feather Star Florometra serratissima

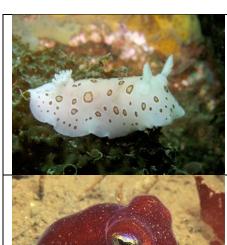
Attach to rocks and hard surfaces, usually found deeper. Often on shipwrecks. Found in BC and north.

Photo by Janna Nichols

Mollusca

Clown Dorid Triopha catalinae

Bright orange tips on rhinophores, like a *clown's nose* Photo by Tom Nicodemus



Mollusca

Leopard Dorid Diaulula sandiegensis

Flattened, dome shaped body. White with *leopard spots*. Photo by Janna Nichols



Mollusca

Stubby Squid Rossia pacifica

Sandy, silty habitats, most often seen at night. Small, size of your fist or less. Eggs like pearled onions. Photo by Greg Jensen



Porifera

Yellow Boring Sponge - Cliona californiana

Rocky cracks, Giant Barnacle shells, and shells of Rock Scallops Photo by Tom Nicodemus



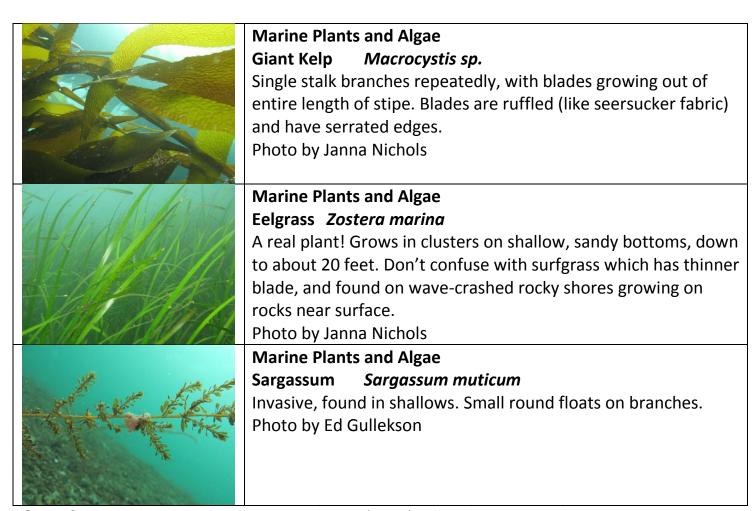
Urochordata

Bumpy, white, solitary tunicate. Common in San Juan Islands. Like old-fashioned opaque white glass. Photo by Janna Nichols



Marine Plants and Algae Bull Kelp *Nereocystis luetkeana*

Single stalk (stipe) has bulb on top with two sets of blades growing from there. Blade is smooth, with straight edge. Photo by Janna Nichols



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