

Willow Point Reef CV Naturalist Trip
July 5th, 2024 1.6 ft tide from 10:00 – 1:00

	SCIENTIFIC NAME	COMMON NAME(S)
	Phylum Chlorophyta: Green Algae	
√	<i>Ulva</i> spp.	Sea Lettuce
√	<i>Ulva intestinalis</i>	Sea Lettuce (high intertidal)
	<i>Codium fragile</i>	Sea Staghorn
	Phylum Ochrophyta: Brown Algae	
√	<i>Leathesia marina</i>	Sea Cauliflower
√	<i>Alaria marginata</i>	Winged or Ribbon Kelp (single rib)
√	<i>Fucus distichus</i>	Pacific Rockweed, Bladder Wrack
√	<i>Sargassum muticum</i>	Wireweed, Sargassum
√	<i>Nereocystis lutkeana</i>	Bull Kelp
√	<i>Hedophyllum sessile</i>	Elephant Ears, Sea cabbage
√	<i>Saccharina latissima</i>	Sugar Kelp – large frond, no rib
√	<i>Desmarestia viridis</i>	Stringy Acid Hair
	<i>Scytosiphon lomentaria</i>	Soda Straws, Beanweed
	Phylum Rhodophyta: Red Algae	
√	<i>Porphyra</i> spp.	Nori or Purple Laver
√	<i>Lithothamnion</i> spp.	Pink Encrusting Coralline Algae
√	<i>Hildenbrandia</i> sp.	Red Encrusting Algae
√	<i>Bossiella</i> spp.	Coral-leaf Algae – like a little fan
√	<i>Corallina officinalis</i>	Coralline Algae – like an elongated coral
√	<i>Sarcodiotheca gaudichaudi</i>	Succulent Seaweed
√	<i>Mastocarpus papillatus</i>	Turkish Washcloth
√	<i>Chondrocanthus exasperatus</i>	Turkish Towel
√	<i>Mazzaella splendens</i>	Iridescent Seaweed, Rainbow Leaf
√	<i>Prionitis sternbergii</i>	Bleach Weed, Broad Iodine Seaweed
√	<i>Neorhodomela larix</i>	Black Sea Pine
	<i>Plocamium pacificum</i>	Sea comb
	Phylum Porifera: Sponges	
√	<i>Clathria pennata</i>	Red Velvet Sponge
	<i>Halichondria panicea</i>	Bread-crumb Sponge

	Phylum Cnidaria: Sea Anemones, Hydroids, Cup Corals and Jellies	
	Class Anthozoa	Sea Anemones and Cup Corals
√	<i>Anthopleura elegantissima</i>	Aggregating Anemone
√	<i>Anthopleura xanthogrammica</i>	Giant Green Anemone
√	<i>Balanophyllia elegans</i>	Orange Cup Coral, Strawberry Coral
	Phyla Platyhelminthes, Nemertea, Annelida, Sipuncula, Echiura: Marine Worms	
√	<i>Serpula columbiana</i>	Red-trumpet Tube Worm, Calcareous Tube Worm
√	<i>Alitta williami</i>	Large gray polychaete, same subfamily as <i>Nereis</i>
√	<i>Alitta succinea</i>	Large orange/pink polychaete. Could be <i>williami</i>
√	<i>Nereis vexillosa</i>	Large polychaete. Pile worm
	<i>Tubulanus ruber</i>	Blood Worm, Red Ribbon Worm
	Phylum Mollusca: Molluscs	
	Class Bivalvia	Bivalves
√	<i>Saxidomus gigantea</i>	Butter Clam
√	<i>Leukoma staminea</i>	Pacific Littleneck Clam (native)
√	<i>Ruditapes philippinarum</i>	Japanese Littleneck Clam – introduced species
√	<i>Mytilus edulis complex</i>	Mussels – includes Blue and California Mussel
√	<i>Nuttallia obscurata</i>	Varnish Clam – introduced species
√	<i>Tresus capax</i>	Fat Gaper – off-center umbo
√	<i>Panopea generosa</i>	Pacific Geoduck - central umbo
√	<i>Clinocardium nuttallii</i>	Nuttall's Cockle
√	<i>Magallana gigas</i>	Giant Pacific Oyster – introduced species
	Class Gastropoda	Gastropods (Abalone, Limpets and Snails)
√	<i>Littorina littorea</i>	Common Periwinkle – less than 1 cm, shorter
√	<i>Littorina scutulata</i>	Checkered Periwinkle – less than 1 cm, elongated
√	<i>Nucella lamellosa</i>	Frilled Dogwinkle
√	<i>Neverita lewisii</i>	Lewis's Moonsnail (egg casings)
√	<i>Ceratostoma foliatum</i>	Leafy Hornmouth
√	<i>Calliostoma ligatum</i>	Blue Top Snail
√	<i>Amphissa columbiana</i>	Wrinkled Dove Snail
√	<i>Lottia persona</i>	Mask Limpet
√	<i>Lottia pelta</i>	Shield Limpet
√	<i>Lottia scutum</i>	Plate Limpet
√	<i>Lottia scabra</i>	Rough Limpet
√	<i>Acmaea mitra</i>	Whitecap Limpet, Dunce-cap Limpet
√	<i>Diodora aspera</i>	Keyhole Limpet

	Class Polyplacophora	Chitons
√	<i>Cryptochiton stelleri</i>	Gumboot Chiton; Giant Pacific Chiton
√	<i>Tonicella lineata</i>	Lined Chiton
√	<i>Mopalia ciliata</i>	Hairy Chiton
	<i>Mopalia mucosa</i>	Mossy Chiton
	Subclass Ophistobranchia	Nudibranchs or Sea Slugs
	<i>Rostanga pulchra</i>	Red Sponge Nudibranch
	<i>Cadlina marginata</i>	Yellow-edged Cadlina –yellow projections and rim
	<i>Cadlina modesta</i>	Modest Nudibranch – yellow projections only
	<i>Acanthodoris nanaimoensis</i>	Modest Nanaimo Dorid – like Modest + orange
	<i>Doris montereyensis</i>	Monterey Sea Lemon – yellow gills + brown on tubercles
	<i>Peltodoris nobilis</i>	Sea Lemon Nudibranch – white gills + brown btwn tubercles
	<i>Hermisenda crassicornis</i>	Opalescent Nudibranch
	<i>Diaulula odonoghuei</i>	Northern Sea Leopard
	<i>Diaulula sandiegensis</i>	Sea Leopard Nudibranch – smaller number of brown spots
	<i>Dirona albolineata</i>	White-lined or Frosted Nudibranch
	<i>Dendronotus iris</i>	Giant Nudibranch
	<i>Triopha modesta or cadlinae</i>	Modest Clown Dorid or Clown Dorid
	Phylum Arthropoda: Arthropods	
	Order Decapoda	Shrimps and Crabs
√	<i>Cancer productus</i>	Red Rock Crab
√	<i>Oregonia gracilis</i>	Decorator Crab
√	<i>Hemigrapsus oregonensis</i>	Green Shore Crab, Hairy Shore Crab
√	<i>Hemigrapsus nudus</i>	Purple Shore Crab
√	<i>Pugettia producta</i>	Northern Kelp Crab
√	<i>Telmessus cheiragonus</i>	Helmet Crab
√	<i>Pagarus beringanus</i>	Bering Hermit Crab – red dots and bands on legs
√	<i>Pagarus granosimanus</i>	Grainy Hermit Crab – blue dots on legs
√	<i>Pagarus hirsutisculus</i>	Pacific Hairy Hermit Crab – hairy legs
√	<i>Heptacarpus stylus</i>	Stiletto Coastal Shrimp
	Class Cirripedia	Barnacles
√	<i>Chthamalus dalli</i>	Little Brown Barnacle
√	<i>Balanus glandula</i>	Acorn Barnacle
√	<i>Semibalanus cariosus</i>	Thatched Barnacle
	Order Isopoda	Isopods
√	<i>Pentidotea wosnesenskii</i>	Rockweed isopod

	Phylum Bryozoa: Moss Animals	
√	<i>Integripelta bilabiate</i>	Red Encrusting Bryozoan
√	<i>Schizoporella japonica</i>	Orange Encrusting Bryozoan (may be the red bryozoan)
	Phylum Echinodermata: Echinoderms or Spiny-Skinned Animals	
	Class Asteroidea	Sea Stars
√	<i>Pisaster ochraceus</i>	Purple or Ochre Sea Star
√	<i>Dermasterias imbricata</i>	Leather Sea Star; Leather Star
	<i>Henricia leviuscula</i>	Blood Star
	<i>Pycnopodia helianthoides</i>	Sunflower Sea Star
	<i>Pisaster brevispinus</i>	Giant Pink Sea Star
√	<i>Evasterias troschelii</i>	Mottled Star
	Class Ophiuroidea	Brittle Stars
	<i>Ophiopholus aculeata</i>	Daisy Brittle Star
	Class Echinoidea	Urchins and Sand Dollars
√	<i>Strongylocentrotus droebachiensis</i>	Green Sea Urchin
	<i>Strongylocentrotus purpuratus</i>	Purple Sea Urchin
√	<i>Mesocentrotus franciscanus</i>	Giant Red Sea Urchin; Red Sea Urchin
	<i>Dendraster excentricus</i>	Eccentric Sand Dollar (test only)
	Class Holothuroidea	Sea Cucumbers
	<i>Eupentacta quinquesemita</i>	White Sea Cucumber
√	<i>Cucumaria miniata</i>	Orange or Red Sea Cucumber
√	<i>Apostichopus californicus</i>	Giant California Sea Cucumber
	Phylum Chordata	
	Subphylum Tunicata	Tunicates
√	<i>Aplidium californicum</i>	Pacific Sea Pork, yellow tunicate
	<i>Cnemidocarpa finmarkiensis</i>	Red Velvet Sea Squirt, Shiny Red Sea Squirt
	<i>Botryllus schlosserii</i>	Star Tunicate
	Subphylum Vertebrata	
√	<i>Oligocottus maculosus</i>	Tidepool Sculpin
	<i>Xiphister atropurpureus</i>	Black Prickleback
	<i>Gobiesox maeandricus</i>	Clingfish – bigger head
	<i>Liparis flavae</i>	Tidepool Snail Fish – uniform colour
	<i>Pholis laeta</i>	Crescent Gunnel
	<i>Pholis ornata</i>	Saddleback Gunnel

