

BIODIVERSITY OF ROCKY INTERTIDAL OF NORTHERN MONTEREY BAY: A 24-YEAR COMPARISON

Dr. John Pearse¹ & Dr. Eric Danner²

¹Professor Emeritus, Ecology and Evolutionary Biology
University of California, Santa Cruz

²Fisheries Ecology Division
Southwest Fisheries Science Center
110 Shaffer Road
Santa Cruz, CA

Project Background

Species richness of 10 sites between Pigeon Point and Soquel Point were surveyed by students of the University of California, Santa Cruz in 1971-1973 and again in 1996-1997. The sites were Pigeon Point (north and south), Ano Nuevo Point, Ano Nuevo Cove, Scott Creek, Davenport Landing, Natural Bridges, Almar Street, Point Santa Cruz, and Soquel Point. Teams of 20-30 students visited each of the 10 sites each quarter and enumerated the species found (algae and invertebrates; fishes in 1996-1997 only); specimens that could not be identified were brought back to the lab for microscopic examination, and some were sent to experts for verification. Vouchers of the invertebrates found in 1971-73 were deposited with the California Academy of Sciences.

The total number of species found at each site was remarkably similar between the two survey periods. More invertebrates were found at all sites in 1996-97 than in the 1970s, probably because of increased experience by the principal investigator. Significantly more species were found at Soquel Point and Point Santa Cruz in the 1990s than the 1970s, probably because of improved water quality (an intertidal domestic sewage outfall at Soquel Point was discontinued in 1976). In contrast, there was significantly fewer species at the Ano Nuevo sites (the richest in terms of invertebrates) in the 1990s than the 1970s, probably because of the marked increase of pinnipeds there over that time period.

The visually dominant species at each site remained the same between the two study periods with no obvious change. Quantitative studies were done at 5 sites (Pigeon Point south, Davenport Landing, Natural Bridges, Almar Street, and Soquel Point) by counting abundances of selected species in randomly placed quarter-meter quadrats within large plots on relatively flat, uniform areas. These were done irregularly over the time between the early 1970s and 1996-97; some are being continued by the MBNMS's LiMPETS program (see: http://repositories.cdlib.org/csgc/rcr/Educ_03-01, and <http://limpetsmonitoring.org/>). Little change has been detected at each site: red algae dominate the Pigeon Point South site and mussels the Davenport Landing, Natural Bridges, and Almar sites. A plot on a bed of aggregated sea anemones also remained unchanged at the Davenport Landing site. After the sewage discharge was terminated at the Soquel Point site, surfgrass slowly returned to once again dominate that site.

Despite the overall lack of change at most sites in dominant species present and species richness,

species composition differed both among the sites and between the two study periods at all the sites. There was considerable flux in species composition, both spatially and temporally, probably because most of the species recorded are relatively rare and inconspicuous so that the chance of finding individual species at any one site or time period is low. There was no evidence of an increase in southern species, or decrease in northern species, that might reflect global warming.

The main conclusion from these surveys is that there was remarkably little difference between the 24 years separating the two study periods, and no evidence was found of degradation or deterioration despite the increasingly heavy use at most sites by people (Ano Nuevo being the exception because people are now not permitted free access to the area). This project was supported by California Sea Grant, the Association of Monterey Bay Area Governments (1970s), and the Monterey Bay National Marine Sanctuary (1990s). The results are summarized in the Report of Completed Projects, 1994-97, California Sea Grant College System.

Species List

Below is a list of the species encountered by Pearse et al. during this project. Taxa are organized by phylum (alphabetically), then group (a project designation), and finally alphabetically by genus. UNID = unidentified, sp. = species singular, spp. = species plural, and numbers or letters following the “sp.” denote unknown but recognizable taxa.

Since terms used in taxonomic classification are in flux, some phyla, genera and/or species may be outdated. Taxonomic names are those that were current in the mid-1990s; some synonyms remain. The below list of all phyla/taxa used in this document are arranged alphabetically: Annelida, Arthropoda, Brachiopoda, Bryozoa, Chlorophyta, Chordata, Cnidaria, Cyanobacteria, Echinodermata, Hemichordata, Kamptozoa, Mollusca, Nemertea, Phaeophyta, Platyhelminthes, Porifera, Rhodophyta, Sipuncula, Tracheophyta, and Uchiura. The “group” designation corresponds to the taxa each of the different student groups became experts in and searched for in the field. For more details about when and where individual taxa were found, contact John Pearse <pearse@biology.ucsc.edu>.

<u>Species</u>	<u>Phylum</u>	<u>Group</u>
Amaena occidentalis	Annelida	Polychaetes
Amphitrite cirrata	Annelida	Polychaetes
Anaitides mucosa	Annelida	Polychaetes
Arabella iricolor	Annelida	Polychaetes
Arabella semimaculata	Annelida	Polychaetes
Arctonoe fragilis	Annelida	Polychaetes
Arctonoe pulchra	Annelida	Polychaetes
Arctonoe sp.	Annelida	Polychaetes
Arctonoe vittata	Annelida	Polychaetes
Armandia bioculata	Annelida	Polychaetes
Armandia brevis	Annelida	Polychaetes
Armandia spp.	Annelida	Polychaetes
Autolytus sp.	Annelida	Polychaetes
Axiothella rubrocincta	Annelida	Polychaetes
Boccardia columbiana	Annelida	Polychaetes
Boccardia proboscidea	Annelida	Polychaetes
Boccardia sp.	Annelida	Polychaetes

Buedopotamilla ocellata	Annelida	Polychaetes
Capitella capitata	Annelida	Polychaetes
Capitellidae spp.	Annelida	Polychaetes
Cheilonereis cyclurus	Annelida	Polychaetes
Chone ecaudata	Annelida	Polychaetes
Chone minuta	Annelida	Polychaetes
Chrysopetalum occidentale	Annelida	Polychaetes
Cirratulus cirratus	Annelida	Polychaetes
Cirriformia luxuriosa	Annelida	Polychaetes
Cirriformia spirabrancha	Annelida	Polychaetes
Cirriformia spp.	Annelida	Polychaetes
Diopatra ornata	Annelida	Polychaetes
Dodecaceria fewkesi	Annelida	Polychaetes
Dorvillea moniloceras	Annelida	Polychaetes
Dorvillea spp.	Annelida	Polychaetes
Drilonereis falcata	Annelida	Polychaetes
Eteone californica	Annelida	Polychaetes
Eteone pacifica	Annelida	Polychaetes
Eudistylia polymorpha	Annelida	Polychaetes
Eudistylia spp.	Annelida	Polychaetes
Eulalia aviculiseta	Annelida	Polychaetes
Eulalia bilineata	Annelida	Polychaetes
Eulalia sp.	Annelida	Polychaetes
Eumida bifoliata	Annelida	Polychaetes
Eumida sanguinea	Annelida	Polychaetes
Eunereis longipes	Annelida	Polychaetes
Eunice antennata	Annelida	Polychaetes
Eunoe senta	Annelida	Polychaetes
Eupomatus gracilis	Annelida	Polychaetes
Flabelliderma commensalis	Annelida	Polychaetes
Genetyllis castanea	Annelida	Polychaetes
Genetyllis groenlandica	Annelida	Polychaetes
Glycera capitata	Annelida	Polychaetes
Glyceridae spp.	Annelida	Polychaetes
Halosydna brevisetosa	Annelida	Polychaetes
Halosydna spp.	Annelida	Polychaetes
Harmothoe imbricata	Annelida	Polychaetes
Harmothoe sp. 2	Annelida	Polychaetes
Hemipodus borealis	Annelida	Polychaetes
Hesperone adventor	Annelida	Polychaetes
Hydroides gracilis	Annelida	Polychaetes
Idanthyrus ornamentatus	Annelida	Polychaetes
Lepidasthenia interrupta	Annelida	Polychaetes
Lepidonatus squamatus	Annelida	Polychaetes
Lumbrineris erecta	Annelida	Polychaetes
Lumbrineris japonica	Annelida	Polychaetes
Lumbrineris sp.	Annelida	Polychaetes
Lumbrineris tetraura	Annelida	Polychaetes
Lumbrineris zonata	Annelida	Polychaetes
Maldanidae spp.	Annelida	Polychaetes
Marphysa stylobranchiata	Annelida	Polychaetes
Myxicola infundibulum	Annelida	Polychaetes
Naineris dendritica	Annelida	Polychaetes
Neanthes brandti	Annelida	Polychaetes
Nereidae Unid	Annelida	Polychaetes
Nereididae Unid	Annelida	Polychaetes
Nereiphylla castanea	Annelida	Polychaetes
Nereis eakini	Annelida	Polychaetes

<i>Nereis grubei</i>	Annelida	Polychaetes
<i>Nereis latescens</i>	Annelida	Polychaetes
<i>Nereis pelagica neonigripes</i>	Annelida	Polychaetes
<i>Nereis</i> sp.	Annelida	Polychaetes
<i>Nereis vexillosa</i>	Annelida	Polychaetes
<i>Nothria elegans</i>	Annelida	Polychaetes
<i>Odontosyllis</i> sp.	Annelida	Polychaetes
<i>Ophelia assimilis</i>	Annelida	Polychaetes
<i>Ophelia limacina</i>	Annelida	Polychaetes
<i>Ophiodromus pugettensis</i>	Annelida	Polychaetes
<i>Orbinia johnsoni</i>	Annelida	Polychaetes
<i>Oriopsis gracilis</i>	Annelida	Polychaetes
<i>Owenia collaris</i>	Annelida	Polychaetes
<i>Owenia</i> sp.	Annelida	Polychaetes
<i>Pareurythoe californica</i>	Annelida	Polychaetes
<i>Phragmatopoma californica</i>	Annelida	Polychaetes
<i>Phyllochaetopterus prolifica</i>	Annelida	Polychaetes
<i>Phyllodoce mucosa</i>	Annelida	Polychaetes
<i>Pista elongata</i>	Annelida	Polychaetes
<i>Pista</i> spp.	Annelida	Polychaetes
<i>Platynereis agassizi</i>	Annelida	Polychaetes
<i>Platynereis bicanaliculata</i>	Annelida	Polychaetes
<i>Platynereis</i> spp.	Annelida	Polychaetes
<i>Polycirrus</i> sp.	Annelida	Polychaetes
<i>Polyophthalmus pictus</i>	Annelida	Polychaetes
<i>Protolaeospira eximia</i>	Annelida	Polychaetes
<i>Pseudopotamilla</i> sp.	Annelida	Polychaetes
<i>Ramex californiensis</i>	Annelida	Polychaetes
<i>Sabella crassicornis</i>	Annelida	Polychaetes
<i>Sabellaria cementarium</i>	Annelida	Polychaetes
Sabellidae UNID	Annelida	Polychaetes
<i>Salmacina tribranchiata</i>	Annelida	Polychaetes
<i>Schistocomus hiltoni</i>	Annelida	Polychaetes
<i>Schistocomus</i> sp.	Annelida	Polychaetes
<i>Schizobranhia insignis</i>	Annelida	Polychaetes
<i>Scoloplos</i> sp.	Annelida	Polychaetes
<i>Serpula vermicularis</i>	Annelida	Polychaetes
<i>Serpulid</i> sp.	Annelida	Polychaetes
<i>Spinospaera oculata</i>	Annelida	Polychaetes
<i>Spirobranchus spinosus</i>	Annelida	Polychaetes
<i>Spirorbis eximius</i>	Annelida	Polychaetes
<i>Spirorbis</i> spp.	Annelida	Polychaetes
<i>Sthenelais fusca</i>	Annelida	Polychaetes
Syllidae UNID	Annelida	Polychaetes
<i>Syllis elongata</i>	Annelida	Polychaetes
<i>Syllis gracilis</i>	Annelida	Polychaetes
<i>Terebella californica</i>	Annelida	Polychaetes
Terebellidae UNID	Annelida	Polychaetes
<i>Tharyx</i> spp.	Annelida	Polychaetes
<i>Thelepus crispus</i>	Annelida	Polychaetes
<i>Thelepus</i> spp.	Annelida	Polychaetes
<i>Trypanosyllis gemmipara</i>	Annelida	Polychaetes
<i>Trypanosyllis ingens</i>	Annelida	Polychaetes
<i>Typosyllis aciculata</i>	Annelida	Polychaetes
<i>Typosyllis adamanteus</i>	Annelida	Polychaetes
<i>Typosyllis armillaris</i>	Annelida	Polychaetes
<i>Typosyllis fasciata</i>	Annelida	Polychaetes
<i>Typosyllis hyalina</i>	Annelida	Polychaetes

Heptacarpus taylori	Arthropoda	Decapod crustaceans
Hippolyte californiensis	Arthropoda	Decapod crustaceans
Holopagurus pilosus	Arthropoda	Decapod crustaceans
Isocheles pilosus	Arthropoda	Decapod crustaceans
Lophopanopeus bellus	Arthropoda	Decapod crustaceans
Lophopanopeus diengensis	Arthropoda	Decapod crustaceans
Lophopanopeus l. heathii	Arthropoda	Decapod crustaceans
Lophopanopeus spp.	Arthropoda	Decapod crustaceans
Loxorhynchus crispatus	Arthropoda	Decapod crustaceans
Loxorhynchus grandis	Arthropoda	Decapod crustaceans
Loxorhynchus spp.	Arthropoda	Decapod crustaceans
Mimulus foliatus	Arthropoda	Decapod crustaceans
Opisthopus transversus	Arthropoda	Decapod crustaceans
Pachycheles holocerius	Arthropoda	Decapod crustaceans
Pachycheles pubescens	Arthropoda	Decapod crustaceans
Pachycheles rudis	Arthropoda	Decapod crustaceans
Pachycheles spp.	Arthropoda	Decapod crustaceans
Pachygrapsus crassipes	Arthropoda	Decapod crustaceans
Pagurus granosimanus	Arthropoda	Decapod crustaceans
Pagurus hemphillii	Arthropoda	Decapod crustaceans
Pagurus hirsutiusculus	Arthropoda	Decapod crustaceans
Pagurus samuelis	Arthropoda	Decapod crustaceans
Pagurus spp.	Arthropoda	Decapod crustaceans
Petrolisthes cinctipes	Arthropoda	Decapod crustaceans
Petrolisthes eriomerus	Arthropoda	Decapod crustaceans
Petrolisthes eriomerus/manimaculus	Arthropoda	Decapod crustaceans
Petrolisthes spp.	Arthropoda	Decapod crustaceans
Pinnixia franciscana	Arthropoda	Decapod crustaceans
Pinnixia weymouthi	Arthropoda	Decapod crustaceans
Pugettia gracilis	Arthropoda	Decapod crustaceans
Pugettia producta	Arthropoda	Decapod crustaceans
Pugettia richii	Arthropoda	Decapod crustaceans
Pugettia spp.	Arthropoda	Decapod crustaceans
Scleroplax granulata	Arthropoda	Decapod crustaceans
Scyra acutifrons	Arthropoda	Decapod Crustaceans
Spirontocaris brevirostris	Arthropoda	Decapod crustaceans
Spirontocaris carinata	Arthropoda	Decapod crustaceans
Spirontocaris palpator	Arthropoda	Decapod crustaceans
Spirontocaris paludicola	Arthropoda	Decapod crustaceans
Spirontocaris picta	Arthropoda	Decapod crustaceans
Spirontocaris prionota	Arthropoda	Decapod crustaceans
Spirontocaris spp.	Arthropoda	Decapod crustaceans
Spirontocaris taylori	Arthropoda	Decapod crustaceans
UNID caprellid	Arthropoda	Decapod crustaceans
UNID crab	Arthropoda	Decapod crustaceans
UNID crab 2	Arthropoda	Decapod crustaceans
UNID gammarid	Arthropoda	Decapod crustaceans
UNID shrimp 1	Arthropoda	Decapod crustaceans
UNID shrimp 2	Arthropoda	Decapod crustaceans
UNID shrimp 3	Arthropoda	Decapod crustaceans
"Dynamenella" sheari	Arthropoda	Isopods and Pycnogonids
Achelia chelata	Arthropoda	Isopods and Pycnogonids
Ammothea hilgendorfi	Arthropoda	Isopods and Pycnogonids
Ammothella menziesi	Arthropoda	Isopods and Pycnogonids
Anoplodactylus erectus	Arthropoda	Isopods and Pycnogonids
Anoplodactylus viriditesticale	Arthropoda	Isopods and Pycnogonids
Armadilloniscus holmesi	Arthropoda	Isopods and Pycnogonids
Armadillidium vulgare	Arthropoda	Isopods and Pycnogonids

<i>Cirolana harfordi</i>	Arthropoda	Isopods and Pycnogonids
<i>Cyathura munda</i>	Arthropoda	Isopods and Pycnogonids
<i>Decachela discata</i>	Arthropoda	Isopods and Pycnogonids
<i>Dynamenella dilatata</i>	Arthropoda	Isopods and Pycnogonids
<i>Dynamenella glabra</i>	Arthropoda	Isopods and Pycnogonids
<i>Exosphaeroma amplicauda</i>	Arthropoda	Isopods and Pycnogonids
<i>Exosphaeroma inornata</i>	Arthropoda	Isopods and Pycnogonids
<i>Gnorimosphaeroma lutea</i>	Arthropoda	Isopods and Pycnogonids
<i>Gnorimosphaeroma lutum</i>	Arthropoda	Isopods and Pycnogonids
<i>Gnorimosphaeroma oregonense</i>	Arthropoda	Isopods and Pycnogonids
<i>Halosoma viriditestinale</i>	Arthropoda	Isopods and Pycnogonids
<i>Ianiropsis minuta</i>	Arthropoda	Isopods and Pycnogonids
<i>Ianiropsis minuta</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea aculeata</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea fewkesi</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea montereyensis</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea resecata</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea schmitti</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea spp.</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea stenops</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea urotoma</i>	Arthropoda	Isopods and Pycnogonids
<i>Idotea wosnesenski</i>	Arthropoda	Isopods and Pycnogonids
<i>Janiralata sp.</i>	Arthropoda	Isopods and Pycnogonids
<i>Lecythorhynchus hilgendorfi</i>	Arthropoda	Isopods and Pycnogonids
<i>Lecythorhynchus marginatus</i>	Arthropoda	Isopods and Pycnogonids
<i>Ligia occidentalis</i>	Arthropoda	Isopods and Pycnogonids
<i>Ligia pallasii</i>	Arthropoda	Isopods and Pycnogonids
<i>Limnoria sp.</i>	Arthropoda	Isopods and Pycnogonids
<i>Lironeca californica</i>	Arthropoda	Isopods and Pycnogonids
<i>Pagurapseudes sp.</i>	Arthropoda	Isopods and Pycnogonids
<i>Paranthura elegans</i>	Arthropoda	Isopods and Pycnogonids
<i>Phoxichilidium femoratum</i>	Arthropoda	Isopods and Pycnogonids
<i>Porcellio dilatatus</i>	Arthropoda	Isopods and Pycnogonids
<i>Porcellio laevis</i>	Arthropoda	Isopods and Pycnogonids
<i>Porcellio scaber</i>	Arthropoda	Isopods and Pycnogonids
<i>Porcellio scaber americanus</i>	Arthropoda	Isopods and Pycnogonids
<i>Pycnogonum stearnsi</i>	Arthropoda	Isopods and Pycnogonids
<i>Synidotea harfordi</i>	Arthropoda	Isopods and Pycnogonids
<i>Synidotea pettibonae</i>	Arthropoda	Isopods and Pycnogonids
<i>Tanystylum californicum</i>	Arthropoda	Isopods and Pycnogonids
<i>Tanystylum duospinum</i>	Arthropoda	Isopods and Pycnogonids
<i>Tanystylum intermedian</i>	Arthropoda	Isopods and Pycnogonids
<i>Tanystylum occidentalis</i>	Arthropoda	Isopods and Pycnogonids
<i>Tecticeps convexus</i>	Arthropoda	Isopods and Pycnogonids
UNID amphipod	Arthropoda	Isopods and Pycnogonids
UNID isopod	Arthropoda	Isopods and Pycnogonids
UNID pycnogonid	Arthropoda	Isopods and Pycnogonids
<i>Thalassotrechus sp.</i>	Arthropoda	
UNID tanaid	Arthropoda	
<i>Terebretalia transversa</i>	Brachiopoda	Bryozoans and Kamptozoans
<i>Alcyonidium parasiticum</i>	Bryozoa	Bryozoans and Kamptozoans
<i>Alcyonidium spp.</i>	Bryozoa	Bryozoans and Kamptozoans
<i>Bowerbankia sp.</i>	Bryozoa	Bryozoans and Kamptozoans
<i>Bugula californica</i>	Bryozoa	Bryozoans and Kamptozoans
<i>Bugula flabellata</i>	Bryozoa	Bryozoans and Kamptozoans
<i>Bugula neritina</i>	Bryozoa	Bryozoans and Kamptozoans

Bugula pacifica	Bryozoa	Bryozoans and Kamptozoans
Bugula spp.	Bryozoa	Bryozoans and Kamptozoans
Callopora horrida	Bryozoa	Bryozoans and Kamptozoans
Callopora sp.	Bryozoa	Bryozoans and Kamptozoans
Caulibugula ciliata	Bryozoa	Bryozoans and Kamptozoans
Cauloramphus sp.	Bryozoa	Bryozoans and Kamptozoans
Cauloramphus spiniferum	Bryozoa	Bryozoans and Kamptozoans
Celleporella cornuta	Bryozoa	Bryozoans and Kamptozoans
Celleporella santacruzana	Bryozoa	Bryozoans and Kamptozoans
Celleporella spp.	Bryozoa	Bryozoans and Kamptozoans
Conopeum reticulum	Bryozoa	Bryozoans and Kamptozoans
Conopeum spp.	Bryozoa	Bryozoans and Kamptozoans
Crisia maxima	Bryozoa	Bryozoans and Kamptozoans
Crisia occidentalis	Bryozoa	Bryozoans and Kamptozoans
Crisia serrulata	Bryozoa	Bryozoans and Kamptozoans
Crisia spp.	Bryozoa	Bryozoans and Kamptozoans
Cryptosula pallasiana	Bryozoa	Bryozoans and Kamptozoans
Dendrobeatia laxa	Bryozoa	Bryozoans and Kamptozoans
Dendrobeatia lichenoides	Bryozoa	Bryozoans and Kamptozoans
Dendrobeatia longispinosa	Bryozoa	Bryozoans and Kamptozoans
Electra crustulenta	Bryozoa	Bryozoans and Kamptozoans
Eurystomella bilabiata	Bryozoa	Bryozoans and Kamptozoans
Eurystomella sp.	Bryozoa	Bryozoans and Kamptozoans
Fenestrulina malusi	Bryozoa	Bryozoans and Kamptozoans
Figularia hilli	Bryozoa	Bryozoans and Kamptozoans
Filicrisia franciscana	Bryozoa	Bryozoans and Kamptozoans
Filicrisia geniculata	Bryozoa	Bryozoans and Kamptozoans
Filicrisia spp.	Bryozoa	Bryozoans and Kamptozoans
Flustrellidra corniculata	Bryozoa	Bryozoans and Kamptozoans
Hippodiplosia insculpta	Bryozoa	Bryozoans and Kamptozoans
Hipporina americana	Bryozoa	Bryozoans and Kamptozoans
Hipporina sp.	Bryozoa	Bryozoans and Kamptozoans
Hippochoa hyalina	Bryozoa	Bryozoans and Kamptozoans
Hippochoa spp.	Bryozoa	Bryozoans and Kamptozoans
Lichenopora sp.	Bryozoa	Bryozoans and Kamptozoans
Lyrula hippocrepsis	Bryozoa	Bryozoans and Kamptozoans
Membranipora membranacea	Bryozoa	Bryozoans and Kamptozoans
Membranipora serrilamella	Bryozoa	Bryozoans and Kamptozoans
Membranipora spp.	Bryozoa	Bryozoans and Kamptozoans
Membranipora tuberculata	Bryozoa	Bryozoans and Kamptozoans
Microporella californica	Bryozoa	Bryozoans and Kamptozoans
Microporella ciliata	Bryozoa	Bryozoans and Kamptozoans
Microporella cribrosa	Bryozoa	Bryozoans and Kamptozoans
Microporella sp.	Bryozoa	Bryozoans and Kamptozoans
Parasmittina colifera	Bryozoa	Bryozoans and Kamptozoans
Parasmittina sp.	Bryozoa	Bryozoans and Kamptozoans
Parasmittina trispinosa	Bryozoa	Bryozoans and Kamptozoans
Retevirgula areolata	Bryozoa	Bryozoans and Kamptozoans
Rhynchozoon bispinosum	Bryozoa	Bryozoans and Kamptozoans
Rhynchozoon rostratum	Bryozoa	Bryozoans and Kamptozoans
Rhynchozoon sp.	Bryozoa	Bryozoans and Kamptozoans
Schizoporella cornuta	Bryozoa	Bryozoans and Kamptozoans
Schizoporella spp.	Bryozoa	Bryozoans and Kamptozoans
Schizoporella unicornis	Bryozoa	Bryozoans and Kamptozoans
Scrupocellaria californica	Bryozoa	Bryozoans and Kamptozoans
Scrupocellaria talonis	Bryozoa	Bryozoans and Kamptozoans
Smittoidea prolifica	Bryozoa	Bryozoans and Kamptozoans
Tricellaria erecta	Bryozoa	Bryozoans and Kamptozoans

Tricellaria occidentalis	Bryozoa	Bryozoans and Kamptozoans
Tricellaria praescuta	Bryozoa	Bryozoans and Kamptozoans
Tricellaria spp.	Bryozoa	Bryozoans and Kamptozoans
Tricellaria ternata	Bryozoa	Bryozoans and Kamptozoans
Triticella elongata	Bryozoa	Bryozoans and Kamptozoans
UNID bryozoan 1	Bryozoa	Bryozoans and Kamptozoans
UNID bryozoan 2	Bryozoa	Bryozoans and Kamptozoans
UNID bryozoan 3	Bryozoa	Bryozoans and Kamptozoans
UNID bryozoan 4	Bryozoa	Bryozoans and Kamptozoans
UNID Cheilostomata	Bryozoa	Bryozoans and Kamptozoans
Urospora sp.	Chlorophyta	Green Algae
Acrosiphonia coalita	Chlorophyta	Green and Brown Algae
Acrosiphonia mertensii	Chlorophyta	Green and Brown Algae
Acrosiphonia saxatilis	Chlorophyta	Green and Brown Algae
Acrosiphonia spp.	Chlorophyta	Green and Brown Algae
Acrosiphonia/Spongomorpha - complex	Chlorophyta	Green and Brown Algae
Bryopsis corticulans	Chlorophyta	Green and Brown Algae
Bryopsis pennaluta	Chlorophyta	Green and Brown Algae
Bryopsis spp.	Chlorophyta	Green and Brown Algae
Chaetomorpha aerea	Chlorophyta	Green and Brown Algae
Chaetomorpha californica	Chlorophyta	Green and Brown Algae
Chaetomorpha linum	Chlorophyta	Green and Brown Algae
Chaetomorpha spiralis	Chlorophyta	Green and Brown Algae
Chaetomorpha spp.	Chlorophyta	Green and Brown Algae
Cladophora albida	Chlorophyta	Green and Brown Algae
Cladophora columbiana	Chlorophyta	Green and Brown Algae
Cladophora densa	Chlorophyta	Green and Brown Algae
Cladophora elmorei	Chlorophyta	Green and Brown Algae
Cladophora flexuosa	Chlorophyta	Green and Brown Algae
Cladophora graminea	Chlorophyta	Green and Brown Algae
Cladophora microcladioides	Chlorophyta	Green and Brown Algae
Cladophora sakaii	Chlorophyta	Green and Brown Algae
Cladophora sericea	Chlorophyta	Green and Brown Algae
Cladophora sp.	Chlorophyta	Green and Brown Algae
Cladophora stimpsonii	Chlorophyta	Green and Brown Algae
Codium fragile	Chlorophyta	Green and Brown Algae
Codium setchellii	Chlorophyta	Green and Brown Algae
Codium spp.	Chlorophyta	Green and Brown Algae
Collinsiella tuberculata	Chlorophyta	Green and Brown Algae
Enteromorpha clathrata	Chlorophyta	Green and Brown Algae
Enteromorpha compressa	Chlorophyta	Green and Brown Algae
Enteromorpha flexuosa	Chlorophyta	Green and Brown Algae
Enteromorpha intestinales	Chlorophyta	Green and Brown Algae
Enteromorpha linza	Chlorophyta	Green and Brown Algae
Enteromorpha prolifera	Chlorophyta	Green and Brown Algae
Enteromorpha sp.	Chlorophyta	Green and Brown Algae
Enteromorpha tubulosa	Chlorophyta	Green and Brown Algae
Halicystis ovalis	Chlorophyta	Green and Brown Algae
Kormmannia leptoderma	Chlorophyta	Green and Brown Algae
Lola lubrica	Chlorophyta	Green and Brown Algae
Monostroma grevillei	Chlorophyta	Green and Brown Algae
Monostroma zostericola	Chlorophyta	Green and Brown Algae
Rhizoclonium implexum	Chlorophyta	Green and Brown Algae
Rhizoclonium riparium	Chlorophyta	Green and Brown Algae
Rhizoclonium sp.	Chlorophyta	Green and Brown Algae
Spongomorpha coalita	Chlorophyta	Green and Brown Algae
Spongomorpha mertensii	Chlorophyta	Green and Brown Algae

Spongomorpha saxatilis	Chlorophyta	Green and Brown Algae
Spongomorpha spp.	Chlorophyta	Green and Brown Algae
Ulothrix implexa	Chlorophyta	Green and Brown Algae
Ulothrix pseudoflacca	Chlorophyta	Green and Brown Algae
Ulva angusta	Chlorophyta	Green and Brown Algae
Ulva californica	Chlorophyta	Green and Brown Algae
Ulva costata	Chlorophyta	Green and Brown Algae
Ulva dactylifera	Chlorophyta	Green and Brown Algae
Ulva expansa	Chlorophyta	Green and Brown Algae
Ulva lactuca	Chlorophyta	Green and Brown Algae
Ulva lobata	Chlorophyta	Green and Brown Algae
Ulva rigida	Chlorophyta	Green and Brown Algae
Ulva spp.	Chlorophyta	Green and Brown Algae
Ulva stenophylla	Chlorophyta	Green and Brown Algae
Ulva taeniata	Chlorophyta	Green and Brown Algae
Ulva/Enteromorpha spp.	Chlorophyta	Green and Brown Algae
Urospora penicilliformis	Chlorophyta	Green and Brown Algae

Aplidium arenatum	Chordata	Ascidians
Aplidium californicum	Chordata	Ascidians
Aplidium propinquum	Chordata	Ascidians
Aplidium solidum	Chordata	Ascidians
Aplidium spp.	Chordata	Ascidians
Archidistoma diaphanes	Chordata	Ascidians
Archidistoma molle	Chordata	Ascidians
Archidistoma psammion	Chordata	Ascidians
Archidistoma ritteri	Chordata	Ascidians
Archidistoma sp.	Chordata	Ascidians
Ascidia ceratodes	Chordata	Ascidians
Boltenia villosa	Chordata	Ascidians
Botryllus sp.	Chordata	Ascidians
Botryllus tuberosus	Chordata	Ascidians
Chelyosoma productum	Chordata	Ascidians
Clavelina huntsmanii	Chordata	Ascidians
Cnemidocarpa finmarkiensis	Chordata	Ascidians
Cystodytes lobatus	Chordata	Ascidians
Cystodytes spp.	Chordata	Ascidians
Dendrodoa abbotti	Chordata	Ascidians
Didemnum carnulentum	Chordata	Ascidians
Diplosoma macdonaldi	Chordata	Ascidians
Distaplia occidentalis	Chordata	Ascidians
Distaplia smithi	Chordata	Ascidians
Eudistoma diaphanes	Chordata	Ascidians
Eudistoma psammion	Chordata	Ascidians
Eudistoma ritteri	Chordata	Ascidians
Euherdmania claviformis	Chordata	Ascidians
Metandrocarpa dura	Chordata	Ascidians
Metandrocarpa taylori	Chordata	Ascidians
Molgula sp.	Chordata	Ascidians
Perophora annectens	Chordata	Ascidians
Polyclinum planum	Chordata	Ascidians
Pycnoclavella stanleyi	Chordata	Ascidians
Pyura haustor	Chordata	Ascidians
Ritterella aequalisiphonis	Chordata	Ascidians
Ritterella australis	Chordata	Ascidians
Ritterella pulchra	Chordata	Ascidians
Ritterella rubra	Chordata	Ascidians
Ritterella spp.	Chordata	Ascidians

<i>Styela clava</i>	Chordata	Ascidians
<i>Styela montereyensis</i>	Chordata	Ascidians
<i>Styela truncata</i>	Chordata	Ascidians
<i>Synoicum parfustis</i>	Chordata	Ascidians
<i>Trididemnum</i> sp.	Chordata	Ascidians
UNID tunicate	Chordata	Ascidians
<i>Anoplarcus purpureus</i>	Chordata	Fishes
<i>Apodichthys flavidus</i>	Chordata	Fishes
<i>Artedius corallinus</i>	Chordata	Fishes
<i>Artedius lateralis</i>	Chordata	Fishes
<i>Cebidichthys violaceus</i>	Chordata	Fishes
<i>Citharichthys sordidus</i>	Chordata	Fishes
<i>Clinocottus acuticeps</i>	Chordata	Fishes
<i>Clinocottus analis</i>	Chordata	Fishes
<i>Clinocottus embryum</i>	Chordata	Fishes
<i>Clinocottus globiceps</i>	Chordata	Fishes
<i>Clinocottus recalvus</i>	Chordata	Fishes
Cottidae (juvenile)	Chordata	Fishes
<i>Gibbonsia elegans</i>	Chordata	Fishes
<i>Gibbonsia metzi</i>	Chordata	Fishes
<i>Gibbonsia montereyensis</i>	Chordata	Fishes
<i>Girella nigricans</i>	Chordata	Fishes
<i>Gobiesox maeandricus</i>	Chordata	Fishes
<i>Hemilepidotus hemilepidotus</i>	Chordata	Fishes
<i>Heterostichus rostratus</i>	Chordata	Fishes
<i>Hexagrammos decagrammus</i>	Chordata	Fishes
<i>Hexagrammos superciliosus</i>	Chordata	Fishes
<i>Hyperprosopon argenteum</i>	Chordata	Fishes
Juvenile cottid	Chordata	Fishes
Juvenile rockfish	Chordata	Fishes
Juvenile snailfish	Chordata	Fishes
<i>Leptocottus armatus</i>	Chordata	Fishes
Liparididae (juvenile)	Chordata	Fishes
<i>Liparis florum</i>	Chordata	Fishes
<i>Micrometrus aurora</i>	Chordata	Fishes
<i>Micrometrus minimus</i>	Chordata	Fishes
<i>Oligocottus maculosus</i>	Chordata	Fishes
<i>Oligocottus rimensis</i>	Chordata	Fishes
<i>Oligocottus rubellio</i>	Chordata	Fishes
<i>Oligocottus snyderi</i>	Chordata	Fishes
<i>Orthonopius triacis</i>	Chordata	Fishes
<i>Oxylebius pictus</i>	Chordata	Fishes
<i>Paralichthys californicus</i>	Chordata	Fishes
<i>Phanerodon furcatus</i>	Chordata	Fishes
<i>Phytichthys chirus</i>	Chordata	Fishes
<i>Platyrrhinoides triseriata</i>	Chordata	Fishes
<i>Pleuronichthys coenosus</i>	Chordata	Fishes
<i>Porichthys myriaster</i>	Chordata	Fishes
<i>Porichthys notatus</i>	Chordata	Fishes
<i>Rimicola muscarum</i>	Chordata	Fishes
<i>Rimicola</i> spp.	Chordata	Fishes
<i>Scorpaenichthys marmoratus</i>	Chordata	Fishes
<i>Sebastes flavidus</i> YOY	Chordata	Fishes
<i>Sebastes</i> sp. (YOY)	Chordata	Fishes
UNID fish	Chordata	Fishes
<i>Xerperes</i> (juvenile)	Chordata	Fishes
<i>Xerperes fucorum</i>	Chordata	Fishes
<i>Xiphister atropurpureus</i>	Chordata	Fishes

	Chordata	Fishes
Xiphister mucosus		
Abietinaria spp.	Cnidaria	Cnidarians
Aglaophenia latirostris	Cnidaria	Cnidarians
Aglaophenia sp.	Cnidaria	Cnidarians
Anthopleura "sola"	Cnidaria	Cnidarians
Anthopleura artemisia	Cnidaria	Cnidarians
Anthopleura elegantissima	Cnidaria	Cnidarians
Anthopleura xanthogrammica	Cnidaria	Cnidarians
Balanophyllia elegans	Cnidaria	Cnidarians
Bimeria sp.	Cnidaria	Cnidarians
Bougainvillia spp.	Cnidaria	Cnidarians
Campanularia sp.	Cnidaria	Cnidarians
Clava spp.	Cnidaria	Cnidarians
Clavularia sp.	Cnidaria	Cnidarians
Corynactis californica	Cnidaria	Cnidarians
Coryne spp.	Cnidaria	Cnidarians
Coryne/Syncoryne spp.	Cnidaria	Cnidarians
Corynidae	Cnidaria	Cnidarians
Diadumene lighti	Cnidaria	Cnidarians
Epiactis prolifera	Cnidaria	Cnidarians
Epiactis ritteri	Cnidaria	Cnidarians
Eudendrium californicum	Cnidaria	Cnidarians
Eudendrium sp.	Cnidaria	Cnidarians
Garveia annulata	Cnidaria	Cnidarians
Garveia sp.	Cnidaria	Cnidarians
Halecium spp.	Cnidaria	Cnidarians
Haliclystus spp.	Cnidaria	Cnidarians
Hydractinia milleri	Cnidaria	Cnidarians
Hydractinia spp.	Cnidaria	Cnidarians
Hydrallmania spp.	Cnidaria	Cnidarians
Leuckartiara octona	Cnidaria	Cnidarians
Manania sp.	Cnidaria	Cnidarians
Obelia sp.	Cnidaria	Cnidarians
Perigonimus sp.	Cnidaria	Cnidarians
Phialidium / Campanularia sp.	Cnidaria	Cnidarians
Plumularia sp.	Cnidaria	Cnidarians
Sarsia sp.	Cnidaria	Cnidarians
Sertularella sp.	Cnidaria	Cnidarians
Sertularella turgida	Cnidaria	Cnidarians
Sertularia fucata	Cnidaria	Cnidarians
Sertularia sp.	Cnidaria	Cnidarians
Stauridiosarsia japonica	Cnidaria	Cnidarians
Stauridiosarsia spp.	Cnidaria	Cnidarians
Stauromedusae	Cnidaria	Cnidarians
Stylanthea porphyra	Cnidaria	Cnidarians
Syncoryne spp.	Cnidaria	Cnidarians
Thuiaria sp.	Cnidaria	Cnidarians
Tubularia marina	Cnidaria	Cnidarians
Tubularia spp.	Cnidaria	Cnidarians
UNID hydroid 1	Cnidaria	Cnidarians
UNID hydroid 2	Cnidaria	Cnidarians
UNID hydroid 3	Cnidaria	Cnidarians
Urticina coriacea	Cnidaria	Cnidarians
Urticina lofotensis	Cnidaria	Cnidarians
Veleva velella	Cnidaria	Cnidarians
Rivulariaceae	Cyanobacterium	Blue-Green Algae

Oscillatoria sp.	Cyanobacterium	Green and Brown Algae
UNID cyanobacteria	Cyanobacterium	Green and Brown Algae
Amphiodia occidentalis	Echinodermata	Echinoderms
Amphiodia occidentalis (v2)	Echinodermata	Echinoderms
Amphiodia sp. sutton	Echinodermata	Echinoderms
Amphipholis pugetana	Echinodermata	Echinoderms
Amphipholis squamata	Echinodermata	Echinoderms
Cucumaria curata/pseudocurata	Echinodermata	Echinoderms
Cucumaria miniata	Echinodermata	Echinoderms
Cucumaria piperata	Echinodermata	Echinoderms
Cucumaria pseudocurata	Echinodermata	Echinoderms
Cucumaria sp.	Echinodermata	Echinoderms
Dermasterias imbricata	Echinodermata	Echinoderms
Eupentacta quinquesemita	Echinodermata	Echinoderms
Evasterias troschelii	Echinodermata	Echinoderms
Henricia leviscula	Echinodermata	Echinoderms
Henricia sp.	Echinodermata	Echinoderms
Leptasterias hexactis	Echinodermata	Echinoderms
Leptasterias pusilla	Echinodermata	Echinoderms
Leptasterias sp.	Echinodermata	Echinoderms
Leptosynapta albicans	Echinodermata	Echinoderms
Leptosynapta sp.	Echinodermata	Echinoderms
Lissothuria nutriens	Echinodermata	Echinoderms
Ophiopholis aculeata	Echinodermata	Echinoderms
Ophiopholis bakeri	Echinodermata	Echinoderms
Ophiopholis sp.	Echinodermata	Echinoderms
Ophioplocus esmarki	Echinodermata	Echinoderms
Ophiopteris papillosa	Echinodermata	Echinoderms
Ophiothrix spiculata	Echinodermata	Echinoderms
Pachythyone rubra	Echinodermata	Echinoderms
Patiria miniata	Echinodermata	Echinoderms
Pisaster brevispinus	Echinodermata	Echinoderms
Pisaster giganteus	Echinodermata	Echinoderms
Pisaster ochraceus	Echinodermata	Echinoderms
Pisaster sp.	Echinodermata	Echinoderms
Pycnopodia helianthoides	Echinodermata	Echinoderms
Strongylocentrotus franciscanus	Echinodermata	Echinoderms
Strongylocentrotus purpuratus	Echinodermata	Echinoderms
Thyonepsolus nutriens	Echinodermata	Echinoderms
UNID Ophiuroid	Echinodermata	Echinoderms
UNID sea urchin	Echinodermata	Echinoderms
Urechis caupo	Echiura	Non-polychaete worms
Enteropneusta sp.	Hemichordata	Non-polychaete worms
Barentsia gracilis	Kamptozoa	Bryozoans and Kamptozoans
Barentsia parva	Kamptozoa	Bryozoans and Kamptozoans
Barentsia ramosa	Kamptozoa	Bryozoans and Kamptozoans
Myosoma spinosa	Kamptozoa	Bryozoans and Kamptozoans
Adula californiensis	Mollusca	Bivalves and Barnacles
Adula falcata	Mollusca	Bivalves and Barnacles
Adula sp.	Mollusca	Bivalves and Barnacles
boring clam (siphons)	Mollusca	Bivalves and Barnacles
Cardita carpenteri	Mollusca	Bivalves and Barnacles
Chama arcana	Mollusca	Bivalves and Barnacles

<i>Chama pellucida</i>	Mollusca	Bivalves and Barnacles
<i>Chlamys hericius</i>	Mollusca	Bivalves and Barnacles
<i>Crassadoma giganteus</i>	Mollusca	Bivalves and Barnacles
<i>Entodesma saxicola</i>	Mollusca	Bivalves and Barnacles
<i>Glans carpenteri</i>	Mollusca	Bivalves and Barnacles
<i>Glans subquadrata</i>	Mollusca	Bivalves and Barnacles
<i>Hiatella arctica</i>	Mollusca	Bivalves and Barnacles
<i>Hiatella</i> spp.	Mollusca	Bivalves and Barnacles
<i>Hinnites giganteus</i>	Mollusca	Bivalves and Barnacles
<i>Hinnites multirugosa</i>	Mollusca	Bivalves and Barnacles
<i>Kellia laperousii</i>	Mollusca	Bivalves and Barnacles
<i>Lasaea subviridis</i>	Mollusca	Bivalves and Barnacles
<i>Lyonsia californica</i>	Mollusca	Bivalves and Barnacles
<i>Mactra californica</i>	Mollusca	Bivalves and Barnacles
<i>Modiolus rectus</i> (juv)	Mollusca	Bivalves and Barnacles
<i>Mytilimeria nuttalli</i>	Mollusca	Bivalves and Barnacles
<i>Mytilus californianus</i>	Mollusca	Bivalves and Barnacles
<i>Mytilus galloprovincialis/trosollus</i>	Mollusca	Bivalves and Barnacles
<i>Parapholas californica</i>	Mollusca	Bivalves and Barnacles
<i>Penitella conradi</i>	Mollusca	Bivalves and Barnacles
<i>Penitella pennita</i>	Mollusca	Bivalves and Barnacles
<i>Petricola cartoides</i>	Mollusca	Bivalves and Barnacles
<i>Petricola</i> spp.	Mollusca	Bivalves and Barnacles
<i>Platyodon cancellatus</i>	Mollusca	Bivalves and Barnacles
<i>Pododesmus cepio</i>	Mollusca	Bivalves and Barnacles
<i>Protothaca staminea</i>	Mollusca	Bivalves and Barnacles
<i>Pseudochama exogyra</i>	Mollusca	Bivalves and Barnacles
<i>Septifer bifurcatus</i>	Mollusca	Bivalves and Barnacles
<i>Tressus nuttallii</i>	Mollusca	Bivalves and Barnacles
UNID bivalve	Mollusca	Bivalves and barnacles
UNID clam	Mollusca	Bivalves and Barnacles
UNID Semelidae	Mollusca	Bivalves and Barnacles
<i>Basilochiton heathii</i>	Mollusca	Chitons
<i>Callistochiton crassicosatus</i>	Mollusca	Chitons
<i>Chaetopleura gemma</i>	Mollusca	Chitons
<i>Cryptochiton stelleri</i>	Mollusca	Chitons
<i>Ischnochiton interstinctus</i>	Mollusca	Chitons
<i>Ischnochiton radians</i>	Mollusca	Chitons
<i>Ischnochiton regularis</i>	Mollusca	Chitons
<i>Ischnochiton regularis</i>	Mollusca	Chitons
<i>Katharina tunicata</i>	Mollusca	Chitons
<i>Lepidochitona berryana</i>	Mollusca	Chitons
<i>Lepidochitona caverna</i>	Mollusca	Chitons
<i>Lepidochitona dentiens</i>	Mollusca	Chitons
<i>Lepidochitona hartwegii</i>	Mollusca	Chitons
<i>Lepidochitona</i> spp.	Mollusca	Chitons
<i>Lepidochitona thomasi</i>	Mollusca	Chitons
<i>Lepidozona cooperi</i>	Mollusca	Chitons
<i>Lepidozona mertenzii</i>	Mollusca	Chitons
<i>Lepidozona sinudentata</i>	Mollusca	Chitons
<i>Leptochiton rugatus</i>	Mollusca	Chitons
<i>Mopalia ciliata</i>	Mollusca	Chitons
<i>Mopalia hindsii</i>	Mollusca	Chitons
<i>Mopalia lignosa</i>	Mollusca	Chitons
<i>Mopalia lowei</i>	Mollusca	Chitons
<i>Mopalia muscosa</i>	Mollusca	Chitons
<i>Mopalia porifera</i>	Mollusca	Chitons
<i>Mopalia spectabilis</i>	Mollusca	Chitons

Mopalia spp.	Mollusca	Chitons
Nuttallina californica	Mollusca	Chitons
Placiphorella velata	Mollusca	Chitons
Stenoplax fallax	Mollusca	Chitons
Stenoplax heathiana	Mollusca	Chitons
Tonicella lineata	Mollusca	Chitons
UNID chiton	Mollusca	Chitons
Acmea mitra	Mollusca	Limpet-like Gastropods
Crepidula adunca	Mollusca	Limpet-like Gastropods
Crepidula nummeria	Mollusca	Limpet-like Gastropods
Crepidula perforans	Mollusca	Limpet-like Gastropods
Crepidula plana	Mollusca	Limpet-like Gastropods
Crepidula spp.	Mollusca	Limpet-like Gastropods
Diodora aspera	Mollusca	Limpet-like Gastropods
Discurria inessa	Mollusca	Limpet-like Gastropods
Fissurella volcano	Mollusca	Limpet-like Gastropods
Haliotis cracherodii	Mollusca	Limpet-like Gastropods
Haliotis rufescens	Mollusca	Limpet-like Gastropods
Haliotis sp.	Mollusca	Limpet-like Gastropods
Hipponix antiquatus	Mollusca	Limpet-like Gastropods
Hipponix cranioides	Mollusca	Limpet-like Gastropods
Limpets on rocks	Mollusca	Limpet-like Gastropods
Lottia asmi	Mollusca	Limpet-like Gastropods
Lottia digitalis/austrodigitalis	Mollusca	Limpet-like Gastropods
Lottia gigantea	Mollusca	Limpet-like Gastropods
Lottia instabilis	Mollusca	Limpet-like Gastropods
Lottia limatula	Mollusca	Limpet-like Gastropods
Lottia ochracea	Mollusca	Limpet-like Gastropods
Lottia paradigitalis	Mollusca	Limpet-like Gastropods
Lottia pelta	Mollusca	Limpet-like Gastropods
Lottia strigatella	Mollusca	Limpet-like Gastropods
Lottia triangularis	Mollusca	Limpet-like Gastropods
Macclintockia scabra	Mollusca	Limpet-like Gastropods
Megatebennus bimaculatus	Mollusca	Limpet-like Gastropods
Megatebennus sp.	Mollusca	Limpet-like Gastropods
Megathura crenatula	Mollusca	Limpet-like Gastropods
Tectura fenestrata	Mollusca	Limpet-like Gastropods
Tectura paleacea	Mollusca	Limpet-like Gastropods
Tectura persona	Mollusca	Limpet-like Gastropods
Tectura scutum	Mollusca	Limpet-like Gastropods
Trimusculus reticulans	Mollusca	Limpet-like Gastropods
UNID limpet 1	Mollusca	Limpet-like Gastropods
UNID limpet 2	Mollusca	Limpet-like Gastropods
UNID Limpet sp. A	Mollusca	Limpet-like Gastropods
Williamia peltoides	Mollusca	Limpet-like Gastropods
Acanthodoris brunnea	Mollusca	Slugs and Octopuses
Acanthodoris hudsoni	Mollusca	Slugs and Octopuses
Acanthodoris lutea	Mollusca	Slugs and Octopuses
Acanthodoris nanaimoensis	Mollusca	Slugs and Octopuses
Acanthodoris pilosa	Mollusca	Slugs and Octopuses
Acanthodoris rhodoceros	Mollusca	Slugs and Octopuses
Aeolidia papillosa	Mollusca	Slugs and Octopuses
Aldisa sanguinea	Mollusca	Slugs and Octopuses
Ancula pacifica	Mollusca	Slugs and Octopuses
Anisodoris nobilis	Mollusca	Slugs and Octopuses
Antiopella barbarensis	Mollusca	Slugs and Octopuses
Aplysioopsis enteromorphae	Mollusca	Slugs and Octopuses
Aplysioopsis smithi	Mollusca	Slugs and Octopuses

<i>Aplysiopsis</i> sp.	Mollusca	Slugs and Octopuses
<i>Archidoris montereyensis</i>	Mollusca	Slugs and Octopuses
<i>Berthella californica</i>	Mollusca	Slugs and Octopuses
<i>Berthella strongi</i>	Mollusca	Slugs and Octopuses
<i>Cadlina flavomaculata</i>	Mollusca	Slugs and Octopuses
<i>Cadlina luteomarginata</i>	Mollusca	Slugs and Octopuses
<i>Cadlina modesta</i>	Mollusca	Slugs and Octopuses
<i>Catriona columbiana</i>	Mollusca	Slugs and Octopuses
<i>Coryphella</i> spp.	Mollusca	Slugs and Octopuses
<i>Coryphella trilineata</i>	Mollusca	Slugs and Octopuses
<i>Cuthona albocrosta</i>	Mollusca	Slugs and Octopuses
<i>Cuthona cocoachroma</i>	Mollusca	Slugs and Octopuses
<i>Cuthona concinna</i>	Mollusca	Slugs and Octopuses
<i>Cuthona divae</i>	Mollusca	Slugs and Octopuses
<i>Cuthona lagune</i>	Mollusca	Slugs and Octopuses
<i>Dendrodoris</i> sp.	Mollusca	Slugs and Octopuses
<i>Dendronotus albus</i>	Mollusca	Slugs and Octopuses
<i>Dendronotus dalli</i>	Mollusca	Slugs and Octopuses
<i>Dendronotus frondosus</i>	Mollusca	Slugs and Octopuses
<i>Dendronotus frondosus</i>	Mollusca	Slugs and Octopuses
<i>Dendronotus</i> sp.1	Mollusca	Slugs and Octopuses
<i>Dendronotus subramosus</i>	Mollusca	Slugs and Octopuses
<i>Diaulula sandiegensis</i>	Mollusca	Slugs and Octopuses
<i>Dirona albolineata</i>	Mollusca	Slugs and Octopuses
<i>Dirona picta</i>	Mollusca	Slugs and Octopuses
<i>Discodoris heathi</i>	Mollusca	Slugs and Octopuses
<i>Discodoris</i> sp.1	Mollusca	Slugs and Octopuses
<i>Doriopsilla albopunctata</i>	Mollusca	Slugs and Octopuses
<i>Doto amyra</i>	Mollusca	Slugs and Octopuses
<i>Doto kya</i>	Mollusca	Slugs and Octopuses
<i>Elysia hedgpethi</i>	Mollusca	Slugs and Octopuses
<i>Eubranchus</i> sp.	Mollusca	Slugs and Octopuses
<i>Flabellina iodinea</i>	Mollusca	Slugs and Octopuses
<i>Flabellina pricei</i>	Mollusca	Slugs and Octopuses
<i>Flabellina trilineata</i>	Mollusca	Slugs and Octopuses
<i>Flabellinopsis iodinea</i>	Mollusca	Slugs and Octopuses
<i>Geitodoris heathi</i>	Mollusca	Slugs and Octopuses
<i>Hermaensia smithi</i>	Mollusca	Slugs and Octopuses
<i>Hermisenda crassicornis</i>	Mollusca	Slugs and Octopuses
<i>Hopkinsea rosacea</i>	Mollusca	Slugs and Octopuses
<i>Janolus fuscus</i>	Mollusca	Slugs and Octopuses
<i>Laila cockerelli</i>	Mollusca	Slugs and Octopuses
<i>Octopus rubesense</i>	Mollusca	Slugs and Octopuses
<i>Onchidella borealis</i>	Mollusca	Slugs and Octopuses
<i>Onchidella</i> sp.	Mollusca	Slugs and Octopuses
<i>Phidiana crassicornis</i>	Mollusca	Slugs and Octopuses
<i>Phidiana hiltoni</i>	Mollusca	Slugs and Octopuses
<i>Phidiana pugnax</i>	Mollusca	Slugs and Octopuses
<i>Placida dendritica</i>	Mollusca	Slugs and Octopuses
<i>Pleurobranchaea strongi</i>	Mollusca	Slugs and Octopuses
<i>Pleurobranchus californicus denticulatus</i>	Mollusca	Slugs and Octopuses
<i>Polycera atra</i>	Mollusca	Slugs and Octopuses
<i>Precuthona divae</i>	Mollusca	Slugs and Octopuses
<i>Rostanga pulchra</i>	Mollusca	Slugs and Octopuses
<i>Stilger fuscovittatus</i>	Mollusca	Slugs and Octopuses
<i>Triopha carpenteri</i>	Mollusca	Slugs and Octopuses
<i>Triopha catalinae</i>	Mollusca	Slugs and Octopuses
<i>Triopha maculata</i>	Mollusca	Slugs and Octopuses

<i>Tritonia festiva</i>	Mollusca	Slugs and Octopuses
UNID nudibranch	Mollusca	Slugs and Octopuses
"Urosalpinx" cinerea	Mollusca	Snails
"Urosalpinx" subangulata	Mollusca	Snails
<i>Acanthina punctulata</i>	Mollusca	Snails
<i>Acanthina spirata</i>	Mollusca	Snails
<i>Acanthina</i> spp.	Mollusca	Snails
<i>Alia aurantiaca</i>	Mollusca	Snails
<i>Alia carinata</i>	Mollusca	Snails
<i>Alia</i> spp.	Mollusca	Snails
<i>Alia tuberosa</i>	Mollusca	Snails
<i>Alvinia</i> sp.	Mollusca	Snails
<i>Amphissa columbiana</i>	Mollusca	Snails
<i>Amphissa</i> spp.	Mollusca	Snails
<i>Amphissa versicolor</i>	Mollusca	Snails
<i>Amphithalamus tenuis</i>	Mollusca	Snails
<i>Astrea gibberosa</i>	Mollusca	Snails
<i>Astyris aurantiaca</i>	Mollusca	Snails
<i>Barleeia acuta</i>	Mollusca	Snails
<i>Barleeia haliotiphila</i>	Mollusca	Snails
<i>Barleeia oldroydi</i>	Mollusca	Snails
<i>Barleeia</i> spp.	Mollusca	Snails
<i>Barleeia subtenuis</i>	Mollusca	Snails
<i>Bittium eschrichtii</i>	Mollusca	Snails
<i>Bittium</i> spp.	Mollusca	Snails
<i>Calliostoma annulatum</i>	Mollusca	Snails
<i>Calliostoma canaliculatum</i>	Mollusca	Snails
<i>Calliostoma gloriosum</i>	Mollusca	Snails
<i>Calliostoma ligatum</i>	Mollusca	Snails
<i>Calliostoma</i> spp.	Mollusca	Snails
<i>Calliostoma supragranosum</i>	Mollusca	Snails
<i>Ceratostoma foliatum</i>	Mollusca	Snails
<i>Cerithiopsis carpenteri</i>	Mollusca	Snails
<i>Cerithiopsis cosmia</i>	Mollusca	Snails
<i>Cerithiopsis</i> sp.	Mollusca	Snails
<i>Clathromangelia interfossa</i>	Mollusca	Snails
<i>Clathurella canfieldi</i>	Mollusca	Snails
<i>Collisella</i> on Tegula	Mollusca	Snails
<i>Conus californicus</i>	Mollusca	Snails
<i>Crepidula</i> on Tegula	Mollusca	Snails
<i>Dendropoma lituella</i>	Mollusca	Snails
<i>Erato vitellina</i>	Mollusca	Snails
<i>Fartulum occidentalis</i>	Mollusca	Snails
<i>Fusinus luteopictus</i>	Mollusca	Snails
<i>Granulina margaritula</i>	Mollusca	Snails
<i>Homalopoma luridum</i>	Mollusca	Snails
<i>Homalopoma</i> spp.	Mollusca	Snails
<i>Iselica fenesteata</i>	Mollusca	Snails
<i>Iselica ovoidea</i>	Mollusca	Snails
<i>Lacuna marmorata</i>	Mollusca	Snails
<i>Lacuna porrecta</i>	Mollusca	Snails
<i>Lacuna</i> spp.	Mollusca	Snails
<i>Lacuna unifasciata</i>	Mollusca	Snails
<i>Lirularia parcipicta</i>	Mollusca	Snails
<i>Lirularia succincta</i>	Mollusca	Snails
<i>Lithopoma gibberosa</i>	Mollusca	Snails
<i>Littorina keenae</i>	Mollusca	Snails
<i>Littorina planaxis</i>	Mollusca	Snails

Littorina scutulata/plena	Mollusca	Snails
Littorina spp.	Mollusca	Snails
Margarites pupillus	Mollusca	Snails
Margarites salmoneus	Mollusca	Snails
Margarites succintus	Mollusca	Snails
Mitromorpha sp.	Mollusca	Snails
Nassarius mendicus	Mollusca	Snails
Nitidiscala tinctoria	Mollusca	Snails
Nucella canaliculata	Mollusca	Snails
Nucella emarginata	Mollusca	Snails
Nucella lamellosa	Mollusca	Snails
Nucella sp.	Mollusca	Snails
Ocenebra atropurpurea	Mollusca	Snails
Ocenebra circumtexta	Mollusca	Snails
Ocenebra interfossa	Mollusca	Snails
Ocenebra lurida/gracillima	Mollusca	Snails
Ocenebra spp	Mollusca	Snails
Odostomia sp.	Mollusca	Snails
Olivella biplicata	Mollusca	Snails
Olivella pycna	Mollusca	Snails
Olivella spp.	Mollusca	Snails
Omalogyra sp.	Mollusca	Snails
Opalia chacei	Mollusca	Snails
Opalia montereyensis	Mollusca	Snails
Opalia sp.	Mollusca	Snails
Petalonchus montereyensis	Mollusca	Snails
Pseudomelatomia torosa	Mollusca	Snails
Searlesia dira	Mollusca	Snails
Serpulorbis squamigerus	Mollusca	Snails
Tegula brunnea	Mollusca	Snails
Tegula funebris	Mollusca	Snails
Tegula montereyi	Mollusca	Snails
Tegula pulligo	Mollusca	Snails
Tegula sp.	Mollusca	Snails
Tricolia pulloides	Mollusca	Snails
Tricolia spp.	Mollusca	Snails
Trivia californiana	Mollusca	Snails
Turbonilla spp.	Mollusca	Snails
UNID snail 1	Mollusca	Snails
UNID snail 2	Mollusca	Snails
UNID whelk	Mollusca	Snails
Velutina velutina	Mollusca	Snails
Amphiporus bimaculatus	Nemertea	Non-polychaete worms
Amphiporus formidabilis	Nemertea	Non-polychaete worms
Amphiporus imparispinosus	Nemertea	Non-polychaete worms
Amphiporus sp.	Nemertea	Non-polychaete worms
Cerebratulid californiensis	Nemertea	Non-polychaete worms
Emplectonema gracile	Nemertea	Non-polychaete worms
Lineus vegetus	Nemertea	Non-polychaete worms
Micrura paradalis	Nemertea	Non-polychaete worms
Micrura verrilli	Nemertea	Non-polychaete worms
Nemertean sp.	Nemertea	Non-polychaete worms
Nemertopsis gracilis	Nemertea	Non-polychaete worms
Paranemertes peregrina	Nemertea	Non-polychaete worms
Tubulanid pellucidus	Nemertea	Non-polychaete worms
Tubulanid polymorphus	Nemertea	Non-polychaete worms
Tubulanus sexlineatus	Nemertea	Non-polychaete worms

UNID Hoplonemertea	Nemertea	Non-polychaete worms
UNID Nemertean A	Nemertea	Non-polychaete worms
UNID Nemertean B	Nemertea	Non-polychaete worms
<i>Alaria marginata</i>	Phaeophyta	Green and Brown Algae
<i>Analipus japonicus</i>	Phaeophyta	Green and Brown Algae
<i>Colpomenia bullosa</i>	Phaeophyta	Green and Brown Algae
<i>Colpomenia peregrina</i>	Phaeophyta	Green and Brown Algae
<i>Colpomenia sinuosa</i>	Phaeophyta	Green and Brown Algae
<i>Colpomenia</i> spp.	Phaeophyta	Green and Brown Algae
<i>Costaria costata</i>	Phaeophyta	Green and Brown Algae
<i>Cylindrocarpus rugosus</i>	Phaeophyta	Green and Brown Algae
<i>Cylindrocarpus</i> spp.	Phaeophyta	Green and Brown Algae
<i>Cystoseira osmundacea</i>	Phaeophyta	Green and Brown Algae
<i>Cystoseira</i> spp.	Phaeophyta	Green and Brown Algae
<i>Desmarestia herbacea</i>	Phaeophyta	Green and Brown Algae
<i>Desmarestia latifrons</i>	Phaeophyta	Green and Brown Algae
<i>Desmarestia ligulata</i>	Phaeophyta	Green and Brown Algae
<i>Desmarestia munda</i>	Phaeophyta	Green and Brown Algae
<i>Desmarestia</i> spp.	Phaeophyta	Green and Brown Algae
<i>Dictyoneurum californicum</i>	Phaeophyta	Green and Brown Algae
<i>Ectocarpus confervoides</i>	Phaeophyta	Green and Brown Algae
<i>Ectocarpus parvus</i>	Phaeophyta	Green and Brown Algae
<i>Ectocarpus</i> sp.	Phaeophyta	Green and Brown Algae
<i>Egregia laevigata</i>	Phaeophyta	Green and Brown Algae
<i>Egregia menziesii laevigata</i>	Phaeophyta	Green and Brown Algae
<i>Egregia menziesii menziesii</i>	Phaeophyta	Green and Brown Algae
<i>Egregia</i> spp.	Phaeophyta	Green and Brown Algae
<i>Feldmannia cylindrica</i>	Phaeophyta	Green and Brown Algae
<i>Feldmannia simplex</i>	Phaeophyta	Green and Brown Algae
<i>Fucus distichus</i>	Phaeophyta	Green and Brown Algae
<i>Fucus gardneri</i>	Phaeophyta	Green and Brown Algae
<i>Giffordia granulosa</i>	Phaeophyta	Green and Brown Algae
<i>Halorhipis winstonii</i>	Phaeophyta	Green and Brown Algae
<i>Haplogloia andersonii</i>	Phaeophyta	Green and Brown Algae
<i>Hesperophycus californicus</i>	Phaeophyta	Green and Brown Algae
<i>Hesperophycus harveyanus</i>	Phaeophyta	Green and Brown Algae
<i>Laminaria dentigera</i>	Phaeophyta	Green and Brown Algae
<i>Laminaria groenlandica</i>	Phaeophyta	Green and Brown Algae
<i>Laminaria setchellii</i>	Phaeophyta	Green and Brown Algae
<i>Laminaria sinclairii</i>	Phaeophyta	Green and Brown Algae
<i>Laminaria</i> spp.	Phaeophyta	Green and Brown Algae
<i>Leathesia difformis</i> (A)	Phaeophyta	Green and Brown Algae
<i>Leathesia difformis</i> (B)	Phaeophyta	Green and Brown Algae
<i>Leathesia nana</i>	Phaeophyta	Green and Brown Algae
<i>Leathesia</i> spp.	Phaeophyta	Green and Brown Algae
<i>Macrocystis integrifolia</i>	Phaeophyta	Green and Brown Algae
<i>Macrocystis pyrifer</i>	Phaeophyta	Green and Brown Algae
<i>Macrocystis</i> spp.	Phaeophyta	Green and Brown Algae
<i>Nereocystis luetkeana</i>	Phaeophyta	Green and Brown Algae
<i>Pelvetia compressa</i>	Phaeophyta	Green and Brown Algae
<i>Pelvetia fastigiata</i>	Phaeophyta	Green and Brown Algae
<i>Pelvetiopsis arborescens</i>	Phaeophyta	Green and Brown Algae
<i>Pelvetiopsis limitata</i>	Phaeophyta	Green and Brown Algae
<i>Petalonia fascia</i>	Phaeophyta	Green and Brown Algae
<i>Petrospongium rugosum</i>	Phaeophyta	Green and Brown Algae
<i>Phaeostrophion irregulare</i>	Phaeophyta	Green and Brown Algae
<i>Postelsia palmaeformis</i>	Phaeophyta	Green and Brown Algae

<i>Pterygophora californica</i>	Phaeophyta	Green and Brown Algae
<i>Pterygophora</i> spp.	Phaeophyta	Green and Brown Algae
<i>Punctaria hesperia</i>	Phaeophyta	Green and Brown Algae
<i>Ralfsia pacifica</i>	Phaeophyta	Green and Brown Algae
<i>Ralfsia</i> sp.	Phaeophyta	Green and Brown Algae
<i>Scytosiphon dotyi</i>	Phaeophyta	Green and Brown Algae
<i>Scytosiphon lomentaria</i>	Phaeophyta	Green and Brown Algae
<i>Scytosiphon</i> sp.	Phaeophyta	Green and Brown Algae
<i>Alloioplana californica</i>	Platyhelminthes	Non-polychaete worms
<i>Eurylepa aurantiaca</i>	Platyhelminthes	Non-polychaete worms
<i>Holoplana californica</i>	Platyhelminthes	Non-polychaete worms
<i>Notoplana acticola</i>	Platyhelminthes	Non-polychaete worms
<i>Notoplana inquieta</i>	Platyhelminthes	Non-polychaete worms
<i>Notoplana rupicola</i>	Platyhelminthes	Non-polychaete worms
<i>Notoplana sexicola</i>	Platyhelminthes	Non-polychaete worms
<i>Notoplana</i> sp.	Platyhelminthes	Non-polychaete worms
<i>Polychoerus carmelensis</i>	Platyhelminthes	Non-polychaete worms
UNID Platyhelminthes	Platyhelminthes	Non-polychaete worms
UNID Polyclade	Platyhelminthes	Non-polychaete worms
UNID Turbellaria	Platyhelminthes	Non-polychaete worms
<i>Acarnus erithacus</i>	Porifera	Sponges
<i>Acarnus</i> sp.	Porifera	Sponges
<i>Adocia gellindra</i>	Porifera	Sponges
<i>Adocia</i> sp.	Porifera	Sponges
<i>Ananta spongigartina</i>	Porifera	Sponges
<i>Antho lithophoenix</i>	Porifera	Sponges
<i>Aplysilla glacialis</i>	Porifera	Sponges
<i>Aplysilla polyraphis</i>	Porifera	Sponges
<i>Axinellida</i> sp.	Porifera	Sponges
<i>Axocielita originalis</i>	Porifera	Sponges
<i>Carmia macginitiei</i>	Porifera	Sponges
<i>Clathria</i> sp.	Porifera	Sponges
<i>Cliona celata</i> var. <i>californiana</i>	Porifera	Sponges
<i>Cliona lobata</i>	Porifera	Sponges
<i>Esperiopsis orginalis</i>	Porifera	Sponges
<i>Forcepia</i> sp.	Porifera	Sponges
<i>Geodia mesotriaena</i>	Porifera	Sponges
<i>Halichondria bowerbankia</i>	Porifera	Sponges
<i>Halichondria panicea</i>	Porifera	Sponges
<i>Halichondria</i> spp.	Porifera	Sponges
<i>Haliclona</i> sp.	Porifera	Sponges
<i>Haliclona</i> sp. 1	Porifera	Sponges
<i>Haliclona</i> sp. 2	Porifera	Sponges
<i>Haliclona</i> sp. 3	Porifera	Sponges
<i>Haliclona</i> sp. 5	Porifera	Sponges
<i>Haliclona</i> sp. 6	Porifera	Sponges
<i>Haliclona</i> sp. A	Porifera	Sponges
<i>Halisarca</i> sp.	Porifera	Sponges
<i>Higginsia</i> sp.	Porifera	Sponges
<i>Hymedesmia</i> sp.	Porifera	Sponges
<i>Hymedesmia</i> sp. A	Porifera	Sponges
<i>Hymedesmia</i> sp. B	Porifera	Sponges
<i>Hymenamphiastra cyanocrypta</i>	Porifera	Sponges
<i>Hymendectyon lyoni</i>	Porifera	Sponges
<i>Hymeniacidon</i> spp.	Porifera	Sponges
<i>Hymeniacidon ungodon</i>	Porifera	Sponges

Isociona lithophoenix	Porifera	Sponges
Leucandra heathi	Porifera	Sponges
Leucilla nuttingi	Porifera	Sponges
Leucosolenia eleanor	Porifera	Sponges
Leucosolenia sp.	Porifera	Sponges
Lissodendoryx firma	Porifera	Sponges
Lissodendoryx noxiosa	Porifera	Sponges
Lissodendoryx topsenti	Porifera	Sponges
Microciona microjoanna	Porifera	Sponges
Microciona parthena	Porifera	Sponges
Mycale hispida	Porifera	Sponges
Mycale macginitiei	Porifera	Sponges
Mycale psila	Porifera	Sponges
Myxilla agennes	Porifera	Sponges
Myxilla parasitica	Porifera	Sponges
Ophlitospongia pennata	Porifera	Sponges
Pachychalina lunismilis	Porifera	Sponges
Parasperella psila	Porifera	Sponges
Plocamia karykina	Porifera	Sponges
Plocamissa igzo	Porifera	Sponges
Polymastia pachymastia	Porifera	Sponges
Reniera sp A	Porifera	Sponges
Scypha sp.	Porifera	Sponges
Sigmatocia sp.	Porifera	Sponges
Stelletta clarella	Porifera	Sponges
Suberites sp.	Porifera	Sponges
Tedanione sp. (near obscurata)	Porifera	Sponges
Tethya aurantia	Porifera	Sponges
Timea authea	Porifera	Sponges
Toxadocia sp.	Porifera	Sponges
UNID sponge 1	Porifera	Sponges
UNID sponge 2	Porifera	Sponges
UNID sponge 3	Porifera	Sponges
UNID sponge 4	Porifera	Sponges
UNID sponge A	Porifera	Sponges
UNID sponge B	Porifera	Sponges
UNID sponge C	Porifera	Sponges
UNID sponge D	Porifera	Sponges
UNID sponge E	Porifera	Sponges
UNID sponge F	Porifera	Sponges
UNID sponge G	Porifera	Sponges
UNID sponge H	Porifera	Sponges
UNID sponge I	Porifera	Sponges
UNID sponge J	Porifera	Sponges
UNID sponge K	Porifera	Sponges
UNID sponge L	Porifera	Sponges
UNID sponge M	Porifera	Sponges
UNID sponge N	Porifera	Sponges
UNID sponge P	Porifera	Sponges
UNID sponge Q	Porifera	Sponges
Xestospongia diprosopia	Porifera	Sponges
Xestospongia vanilla	Porifera	Sponges
Zygherpe hyaloderma	Porifera	Sponges
Achrochaetium porphyrae	Rhodophyta	Red Algae
Achrochaetium subimmersum	Rhodophyta	Red Algae
Agardhiella spp.	Rhodophyta	Red Algae
Agardhiella tenera	Rhodophyta	Red Algae

<i>Ahnfeltia fastigiata</i>	Rhodophyta	Red Algae
<i>Ahnfeltia gigartinoides</i>	Rhodophyta	Red Algae
<i>Ahnfeltia plicata</i>	Rhodophyta	Red Algae
<i>Ahnfeltia</i> spp.	Rhodophyta	Red Algae
<i>Ahnfeltiopsis gigartinoides</i>	Rhodophyta	Red Algae
<i>Ahnfeltiopsis leptophyllus</i>	Rhodophyta	Red Algae
<i>Ahnfeltiopsis linearis</i>	Rhodophyta	Red Algae
<i>Ahnfeltiopsis</i> sp.	Rhodophyta	Red Algae
<i>Amplisiphonia pacifica</i>	Rhodophyta	Red Algae
<i>Anisocladella pacifica</i>	Rhodophyta	Red Algae
<i>Antithamnion balesiae</i>	Rhodophyta	Red Algae
<i>Antithamnion</i> sp.	Rhodophyta	Red Algae
<i>Bangia atropurpurea</i>	Rhodophyta	Red Algae
<i>Bangia vermicularis</i>	Rhodophyta	Red Algae
<i>Bornetia californica</i>	Rhodophyta	Red Algae
<i>Bossiella californica</i>	Rhodophyta	Red Algae
<i>Bossiella chiloensis</i>	Rhodophyta	Red Algae
<i>Bossiella dichotoma</i>	Rhodophyta	Red Algae
<i>Bossiella orbigniana</i>	Rhodophyta	Red Algae
<i>Bossiella plumosa</i>	Rhodophyta	Red Algae
<i>Bossiella</i> sp.	Rhodophyta	Red Algae
<i>Botryocladia pseudodichotoma</i>	Rhodophyta	Red Algae
<i>Botryoglossum</i> spp.	Rhodophyta	Red Algae
<i>Calliarthron cheilosporioides</i>	Rhodophyta	Red Algae
<i>Calliarthron</i> sp.	Rhodophyta	Red Algae
<i>Calliarthron tuberculosum</i>	Rhodophyta	Red Algae
<i>Callithamnion acutum</i>	Rhodophyta	Red Algae
<i>Callithamnion pikeanum</i>	Rhodophyta	Red Algae
<i>Callithamnion rupicola</i>	Rhodophyta	Red Algae
<i>Callithamnion rupiculum</i>	Rhodophyta	Red Algae
<i>Callithamnion</i> sp.	Rhodophyta	Red Algae
<i>Callophyllis crenulata</i>	Rhodophyta	Red Algae
<i>Callophyllis firma</i>	Rhodophyta	Red Algae
<i>Callophyllis flabellulata</i>	Rhodophyta	Red Algae
<i>Callophyllis pinnata</i>	Rhodophyta	Red Algae
<i>Callophyllis</i> sp.	Rhodophyta	Red Algae
<i>Callophyllis thompsonii</i>	Rhodophyta	Red Algae
<i>Callophyllis violacea</i>	Rhodophyta	Red Algae
<i>Centroceras clavulatum</i>	Rhodophyta	Red Algae
<i>Ceramium eatonianum</i>	Rhodophyta	Red Algae
<i>Ceramium gardneri</i>	Rhodophyta	Red Algae
<i>Ceramium</i> sp.	Rhodophyta	Red Algae
<i>Chondracanthus canaliculatus</i>	Rhodophyta	Red Algae
<i>Chondracanthus corymbiferus</i>	Rhodophyta	Red Algae
<i>Chondracanthus harveyanus</i>	Rhodophyta	Red Algae
<i>Chondracanthus spinosus</i>	Rhodophyta	Red Algae
<i>Chondria decipiens</i>	Rhodophyta	Red Algae
<i>Chondria nidifica</i>	Rhodophyta	Red Algae
<i>Chondria</i> sp.	Rhodophyta	Red Algae
<i>Clathromorphum parcum</i>	Rhodophyta	Red Algae
<i>Constantinea simplex</i>	Rhodophyta	Red Algae
<i>Corallina chilensis</i>	Rhodophyta	Red Algae
<i>Corallina officinalis</i>	Rhodophyta	Red Algae
<i>Corallina</i> sp.	Rhodophyta	Red Algae
<i>Corallina vancouveriensis</i>	Rhodophyta	Red Algae
<i>Corallines</i> (articulated)	Rhodophyta	Red Algae
<i>Corallines</i> (crustose)	Rhodophyta	Red Algae
<i>Cryptonemia borealis</i>	Rhodophyta	Red Algae

<i>Cryptonemia obovata</i>	Rhodophyta	Red Algae
<i>Cryptopleura brevis</i>	Rhodophyta	Red Algae
<i>Cryptopleura corallinaria</i>	Rhodophyta	Red Algae
<i>Cryptopleura corallinaria/lobulifera</i>	Rhodophyta	Red Algae
<i>Cryptopleura crispa</i>	Rhodophyta	Red Algae
<i>Cryptopleura farlowianum</i>	Rhodophyta	Red Algae
<i>Cryptopleura lobulifera</i>	Rhodophyta	Red Algae
<i>Cryptopleura ruprechtiana</i> (A)	Rhodophyta	Red Algae
<i>Cryptopleura</i> sp.	Rhodophyta	Red Algae
<i>Cryptopleura violacea</i>	Rhodophyta	Red Algae
<i>Cryptosiphonia</i> sp.	Rhodophyta	Red Algae
<i>Cryptosiphonia woodii</i>	Rhodophyta	Red Algae
<i>Cumagloia andersonii</i>	Rhodophyta	Red Algae
<i>Delesseria decipiens</i>	Rhodophyta	Red Algae
<i>Dermatolithon</i> sp.	Rhodophyta	Red Algae
<i>Dilsea californica</i>	Rhodophyta	Red Algae
<i>Endocladia muricata</i>	Rhodophyta	Red Algae
<i>Erythrocytis saccata</i>	Rhodophyta	Red Algae
<i>Erythrophyllum delesserioides</i>	Rhodophyta	Red Algae
<i>Erythrophyllum splendens</i>	Rhodophyta	Red Algae
<i>Farlowia compressa</i>	Rhodophyta	Red Algae
<i>Farlowia conferta</i>	Rhodophyta	Red Algae
<i>Farlowia mollis</i>	Rhodophyta	Red Algae
Filamentous reds	Rhodophyta	Red Algae
<i>Gastroclonium coulteri</i>	Rhodophyta	Red Algae
<i>Gastroclonium</i> sp.	Rhodophyta	Red Algae
<i>Gastroclonium subarticulatum</i>	Rhodophyta	Red Algae
<i>Gelidium arborescens</i>	Rhodophyta	Red Algae
<i>Gelidium coulteri</i>	Rhodophyta	Red Algae
<i>Gelidium purpurascens</i>	Rhodophyta	Red Algae
<i>Gelidium pusillum</i>	Rhodophyta	Red Algae
<i>Gelidium robustum</i>	Rhodophyta	Red Algae
<i>Gelidium</i> spp.	Rhodophyta	Red Algae
<i>Gigartina agardhii</i>	Rhodophyta	Red Algae
<i>Gigartina boryi</i>	Rhodophyta	Red Algae
<i>Gigartina californica</i>	Rhodophyta	Red Algae
<i>Gigartina canaliculata</i>	Rhodophyta	Red Algae
<i>Gigartina corymbifera</i>	Rhodophyta	Red Algae
<i>Gigartina exasperata</i>	Rhodophyta	Red Algae
<i>Gigartina harveyana</i>	Rhodophyta	Red Algae
<i>Gigartina leptorhynchus</i>	Rhodophyta	Red Algae
<i>Gigartina papillata</i>	Rhodophyta	Red Algae
<i>Gigartina spinosa</i>	Rhodophyta	Red Algae
<i>Gigartina</i> spp.	Rhodophyta	Red Algae
<i>Gigartina volans</i>	Rhodophyta	Red Algae
<i>Gloiosiphonia californica</i>	Rhodophyta	Red Algae
<i>Gloiosiphonia capillaris</i>	Rhodophyta	Red Algae
<i>Gloiosiphonia verticillaris</i>	Rhodophyta	Red Algae
<i>Gonimophyllum skottsbergii</i>	Rhodophyta	Red Algae
<i>Gracilaria andersonii</i>	Rhodophyta	Red Algae
<i>Gracilaria robusta</i>	Rhodophyta	Red Algae
<i>Gracilaria sjoestedtii</i> , <i>Gracilariopsis sjoestedtii</i>	Rhodophyta	Red Algae
<i>Gracilaria</i> spp.	Rhodophyta	Red Algae
<i>Gracilaria veleroae</i>	Rhodophyta	Red Algae
<i>Gracilaria verrucosa</i>	Rhodophyta	Red Algae
<i>Gracilariophila oryzoides</i>	Rhodophyta	Red Algae
<i>Gracilariopsis lemneiformis</i>	Rhodophyta	Red Algae
<i>Gracilariopsis sjoestedtii</i>	Rhodophyta	Red Algae

Gracilariopsis sp	Rhodophyta	Red Algae
Grateloupia setchelli	Rhodophyta	Red Algae
Grateloupia spp.	Rhodophyta	Red Algae
Griffithsia pacifica	Rhodophyta	Red Algae
Gymnogongrus chiton	Rhodophyta	Red Algae
Gymnogongrus leptophyllus	Rhodophyta	Red Algae
Gymnogongrus linearis	Rhodophyta	Red Algae
Gymnogongrus platyphyllus	Rhodophyta	Red Algae
Gymnogongrus spp.	Rhodophyta	Red Algae
Halosaccion americanum	Rhodophyta	Red Algae
Halosaccion glandiforme	Rhodophyta	Red Algae
Halymenia coccinea	Rhodophyta	Red Algae
Halymenia schizymerioides	Rhodophyta	Red Algae
Herposiphonia verticillata	Rhodophyta	Red Algae
Hildenbrandia occidentalis	Rhodophyta	Red Algae
Hollenbergia subulata	Rhodophyta	Red Algae
Hymenena flabelligera	Rhodophyta	Red Algae
Hymenena multiloba	Rhodophyta	Red Algae
Hymenena sp.	Rhodophyta	Red Algae
Hypnea spp.	Rhodophyta	Red Algae
Iridaea cordata	Rhodophyta	Red Algae
Iridaea cordata splendens	Rhodophyta	Red Algae
Iridaea flaccida	Rhodophyta	Red Algae
Iridaea flaccida	Rhodophyta	Red Algae
Iridaea heterocarpa	Rhodophyta	Red Algae
Iridaea lilacina	Rhodophyta	Red Algae
Iridaea lineare	Rhodophyta	Red Algae
Iridaea linearis	Rhodophyta	Red Algae
Iridaea sanguinea	Rhodophyta	Red Algae
Iridaea sanguineum	Rhodophyta	Red Algae
Iridaea spp.	Rhodophyta	Red Algae
Isabottia ovalifera	Rhodophyta	Red Algae
Janczewskia gardneri	Rhodophyta	Red Algae
Laurencia pacifica	Rhodophyta	Red Algae
Laurencia spectabilis	Rhodophyta	Red Algae
Laurencia splendens	Rhodophyta	Red Algae
Laurencia spp	Rhodophyta	Red Algae
Lithothamnion sp.	Rhodophyta	Red Algae
Lomentaria hakodatensis	Rhodophyta	Red Algae
Lophosiphonia villum	Rhodophyta	Red Algae
Mastocarpus jardinii	Rhodophyta	Red Algae
Mastocarpus papillatus	Rhodophyta	Red Algae
Mastocarpus papillatus (crust)	Rhodophyta	Red Algae
Mastocarpus spp.	Rhodophyta	Red Algae
Mastocarpus/Chondracanthus spp.	Rhodophyta	Red Algae
Mazzaella affinis	Rhodophyta	Red Algae
Mazzaella californica	Rhodophyta	Red Algae
Mazzaella heterocarpa	Rhodophyta	Red Algae
Mazzaella leptorhyncha	Rhodophyta	Red Algae
Mazzaella lilacina	Rhodophyta	Red Algae
Mazzaella lilacina	Rhodophyta	Red Algae
Mazzaella linearis	Rhodophyta	Red Algae
Mazzaella rosea	Rhodophyta	Red Algae
Mazzaella spp.	Rhodophyta	Red Algae
Mazzaella volans	Rhodophyta	Red Algae
Melobesia marginata	Rhodophyta	Red Algae
Melobesia mediocris	Rhodophyta	Red Algae
Melobesia spp.	Rhodophyta	Red Algae

Membranoptera multiramosa	Rhodophyta	Red Algae
Membranoptera platyphylla	Rhodophyta	Red Algae
Membranoptera tenuis	Rhodophyta	Red Algae
Membranoptera weeksiae	Rhodophyta	Red Algae
Microcladia borealis	Rhodophyta	Red Algae
Microcladia californica	Rhodophyta	Red Algae
Microcladia coulteri	Rhodophyta	Red Algae
Microcladia spp.	Rhodophyta	Red Algae
Nemalion helminthoides	Rhodophyta	Red Algae
Neoagardhiella baileyi	Rhodophyta	Red Algae
Neodilsea americana	Rhodophyta	Red Algae
Neoptilota californica	Rhodophyta	Red Algae
Neoptilota densa	Rhodophyta	Red Algae
Neoptilota hypnoides	Rhodophyta	Red Algae
Neoptilota/Ptilota spp.	Rhodophyta	Red Algae
Neorhodomela larix	Rhodophyta	Red Algae
Nienburgia andersoniana	Rhodophyta	Red Algae
Norrissia setchelli	Rhodophyta	Red Algae
Odonthalia floccosa	Rhodophyta	Red Algae
Odonthalia sp.	Rhodophyta	Red Algae
Opuntia californica	Rhodophyta	Red Algae
Osmundea spectabilis	Rhodophyta	Red Algae
Osmundea spp.	Rhodophyta	Red Algae
Ozophora clevelandii	Rhodophyta	Red Algae
Petrocelis	Rhodophyta	Red Algae
Petrocelis franciscana	Rhodophyta	Red Algae
Petrocelis hoematis (crust)	Rhodophyta	Red Algae
Petroglossum parvum	Rhodophyta	Red Algae
Petroglossum sp.	Rhodophyta	Red Algae
Peyssonellia pacifica	Rhodophyta	Red Algae
Peyssonellia spp.	Rhodophyta	Red Algae
Phycodrys setchellii	Rhodophyta	Red Algae
Phycodrys sp.	Rhodophyta	Red Algae
Pikea californica	Rhodophyta	Red Algae
Pikea robusta	Rhodophyta	Red Algae
Pikea spp.	Rhodophyta	Red Algae
Platythamnion villosum	Rhodophyta	Red Algae
Pleonosporium squarulosum	Rhodophyta	Red Algae
Plocamium cartilagineum	Rhodophyta	Red Algae
Plocamium coccineum	Rhodophyta	Red Algae
Plocamium spp.	Rhodophyta	Red Algae
Plocamium violaceum	Rhodophyta	Red Algae
Pogonophorella californica	Rhodophyta	Red Algae
Polyneura latissima	Rhodophyta	Red Algae
Polyporolithon conchatum	Rhodophyta	Red Algae
Polysiphonia brodiaei	Rhodophyta	Red Algae
Polysiphonia confusa	Rhodophyta	Red Algae
Polysiphonia hendryi	Rhodophyta	Red Algae
Polysiphonia indigena	Rhodophyta	Red Algae
Polysiphonia nathanielii	Rhodophyta	Red Algae
Polysiphonia pacifica	Rhodophyta	Red Algae
Polysiphonia paniculata	Rhodophyta	Red Algae
Polysiphonia scopulorum	Rhodophyta	Red Algae
Polysiphonia scopulorum var. villum	Rhodophyta	Red Algae
Polysiphonia sp.	Rhodophyta	Red Algae
Porphyra gardneri	Rhodophyta	Red Algae
Porphyra lanceolata	Rhodophyta	Red Algae
Porphyra miniata	Rhodophyta	Red Algae

Porphyra occidentalis	Rhodophyta	Red Algae
Porphyra perforata	Rhodophyta	Red Algae
Porphyra pulchra	Rhodophyta	Red Algae
Porphyra rosulata	Rhodophyta	Red Algae
Porphyra smithii	Rhodophyta	Red Algae
Porphyra spp.	Rhodophyta	Red Algae
Porphyrella gardneri	Rhodophyta	Red Algae
Prionitis angusta	Rhodophyta	Red Algae
Prionitis australis	Rhodophyta	Red Algae
Prionitis californica	Rhodophyta	Red Algae
Prionitis cornea	Rhodophyta	Red Algae
Prionitis cornea/filiformis/linearis	Rhodophyta	Red Algae
Prionitis filiformis	Rhodophyta	Red Algae
Prionitis lanceolata	Rhodophyta	Red Algae
Prionitis linearis	Rhodophyta	Red Algae
Prionitis lyallii	Rhodophyta	Red Algae
Prionitis spp.	Rhodophyta	Red Algae
Pseudolithophyllum neofarlowii	Rhodophyta	Red Algae
Pterochondria woodii	Rhodophyta	Red Algae
Pterocladia sp.	Rhodophyta	Red Algae
Pterosiphonia baileyi	Rhodophyta	Red Algae
Pterosiphonia bipinnata	Rhodophyta	Red Algae
Pterosiphonia dendroidea	Rhodophyta	Red Algae
Pterosiphonia pennata	Rhodophyta	Red Algae
Pterosiphonia sp.	Rhodophyta	Red Algae
Ptilota californica	Rhodophyta	Red Algae
Ptilota densa	Rhodophyta	Red Algae
Ptilota filicina	Rhodophyta	Red Algae
Ptilota hypnoides	Rhodophyta	Red Algae
Ptilota spp.	Rhodophyta	Red Algae
Ptilothamniopsis lejolisea	Rhodophyta	Red Algae
Red algal crust	Rhodophyta	Red Algae
Rhodochorton purpureum	Rhodophyta	Red Algae
Rhodoglossum affine	Rhodophyta	Red Algae
Rhodoglossum americanum	Rhodophyta	Red Algae
Rhodoglossum californicum	Rhodophyta	Red Algae
Rhodoglossum roseum	Rhodophyta	Red Algae
Rhodoglossum spp.	Rhodophyta	Red Algae
Rhodomela larix	Rhodophyta	Red Algae
Rhodoptilum plumosum	Rhodophyta	Red Algae
Rhodymenia californica	Rhodophyta	Red Algae
Rhodymenia pacifica	Rhodophyta	Red Algae
Rhodymenia spp.	Rhodophyta	Red Algae
Sarcodiotheca gaudichaudii	Rhodophyta	Red Algae
Schimmelmannia plumosa	Rhodophyta	Red Algae
Schizymenia pacifica	Rhodophyta	Red Algae
Serraticardia macmillani	Rhodophyta	Red Algae
Smithora naiadum	Rhodophyta	Red Algae
Stenogramma interrupta	Rhodophyta	Red Algae
Tenaraea sp.	Rhodophyta	Red Algae
Tenarea dispar	Rhodophyta	Red Algae
Tiffaniella snyderae	Rhodophyta	Red Algae
Titanoderma sp.	Rhodophyta	Red Algae
UNID red alga 1	Rhodophyta	Red Algae
UNID red alga 2	Rhodophyta	Red Algae
Dendrostomum dyscritum	Sipuncula	Non-polychaete worms
Dendrostomum perimeces	Sipuncula	Non-polychaete worms

Dendrostomum pyroides
Phascolosoma agassizii
Themiste dyscritum
Themiste perimeces
Themiste pyroides
Themiste spp.

Phyllospadix scouleri
Phyllospadix sp.
Phyllospadix torreyi

Sipuncula
Sipuncula
Sipuncula
Sipuncula
Sipuncula
Sipuncula

Tracheophyta
Tracheophyta
Tracheophyta

Non-polychaete worms
Non-polychaete worms
Non-polychaete worms
Non-polychaete worms
Non-polychaete worms
Non-polychaete worms

Green and Brown Algae
Green and Brown Algae
Green and Brown Algae