

**PISCO Coastal Biodiversity Survey**  
**University of California Santa Cruz**  
<http://cbsurveys.ucsc.edu>

Please note:

The information listed below is provided for your convenience. We ask that you please contact the SWAT Team ([swat@biology.ucsc.edu](mailto:swat@biology.ucsc.edu)) prior to using this information for any purpose. We make this request to:

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2. We would like to be informed of and involved in projects developed using this information. We have been careful to voucher any organisms that were difficult to identify in the field so that more detailed evaluation could be done in the lab. We are therefore confident that the identification of organisms listed below is reliable with the caveat that some sponges and tunicates are very difficult to identify to species without detailed histological evaluation, which we have not done. The number of cases where this could have been a problem is very small. For more information please visit our website above or link directly to our protocols at: <http://cbsurveys.ucsc.edu/sampling/images/dataprotocols.pdf>

**Fogarty Creek, Lincoln County, Oregon**

**June 21, 2001**

Species list:

<i>Abietinaria</i> spp	Gunnel
<i>Ahnfeltiopsis</i> spp	<i>Halosaccion glandiforme</i>
<i>Alaria marginata</i>	<i>Halymenia/Schizymenia</i> spp
<i>Amphissa columbiana</i>	<i>Hedophyllum sessile</i>
<i>Anthopleura elegantissima</i>	<i>Hemigrapsus nudus</i>
<i>Anthopleura sola</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Anthopleura xanthogrammica</i>	<i>Idotea</i> spp
<i>Balanus glandula</i>	<i>Katharina tunicata</i>
Blue green algae	<i>Lacuna</i> spp
<i>Bossiella</i> spp	<i>Laminaria setchellii</i>
<i>Calliarthron</i> spp	<i>Laminaria sinclairii</i>
<i>Calliostoma ligatum</i>	<i>Lepidochitona dentiensi</i>
<i>Cancer oregonensis</i>	<i>Leptasterias</i> spp
<i>Cancer productus</i>	<i>Littorina plena/scutulata</i>
<i>Cancer</i> spp	<i>Littorina</i> spp
<i>Centroceras/Ceramium/Polysiphonia</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Ceratostoma foliatum</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Chaetomorpha</i> spp	<i>Lottia pelta</i>
<i>Chthamalus</i> spp	<i>Lottia scabra/conus</i>
<i>Cladophora columbiana</i>	<i>Lottia scutum</i>
<i>Codium setchellii</i>	<i>Mastocarpus papillatus</i>
<i>Colpomenia/Leathesia</i> spp	<i>Mazzaella parksii</i>
<i>Constantinea simplex</i>	<i>Mazzaella</i> spp
<i>Corallina</i> spp	<i>Microcladia borealis</i>
<i>Costaria costata</i>	<i>Microcladia coulteri</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Mopalia</i> spp
<i>Cryptosiphonia woodii</i>	<i>Mytilus californianus</i>
<i>Dilsea californica</i>	<i>Navicula</i> spp
<i>Dodecaceria fewkesi</i>	<i>Neoptilota/Ptilota</i> spp
<i>Egregia menziesii</i>	<i>Neorhodomela larix</i>
Encrusting coralline	<i>Neorhodomela oregona</i>
<i>Endocladia muricata</i>	<i>Nucella canaliculata</i>
<i>Erythrophyllum delesserioides</i>	<i>Nucella emarginata/ostrina</i>
<i>Fucus</i> spp	<i>Nuttallina</i> spp
<i>Gelidium</i> spp	<i>Odonthalia floccosa</i>

Ophiuroid

*Osmundea spectabilis*  
*Pachycheles* spp  
*Pachygrapsus crassipes*  
*Pagurus granosimanus*  
*Pagurus hirsutiussculus*  
*Pagurus samuelis*  
*Pelvetiopsis* spp  
*Petrocelis* spp  
*Petrolisthes* spp  
*Phaeostrophion irregulare*  
*Phyllospadix scouleri*  
*Phyllospadix torreyi*  
*Pisaster ochraceus*

*Plocamium cartilagineum*  
*Plocamium violaceum*  
*Pollicipes polymerus*  
*Prionitis lanceolata*  
*Prionitis lyallii*  
*Pterosiphonia dendroidea/pennata*  
*Pterosiphonia* spp  
*Pugettia producta*  
Ralfsiaceae  
*Semibalanus cariosus*  
*Strongylocentrotus purpuratus*  
*Tegula funebris*  
*Tonicella lineata*  
*Ulva* spp

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**Fogarty Creek, Lincoln County, Oregon**

**July 13, 2003**

Species List:

<i>Abietinaria</i> spp	<i>Gelidium coulteri</i>
<i>Aglaophenia latirostris</i>	<i>Halichondria</i> spp
<i>Ahnfeltia fastigiata</i>	<i>Haliclona</i> spp
<i>Ahnfeltiopsis linearis</i>	<i>Halosaccion glandiforme</i>
<i>Alia</i> spp	<i>Halymenia/Schizymenia</i> spp
<i>Amphissa columbiana</i>	<i>Hedophyllum sessile</i>
<i>Anthopleura artemisia</i>	<i>Henricia</i> spp
<i>Anthopleura elegantissima</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Anthopleura sola</i>	<i>Idotea</i> spp
<i>Anthopleura xanthogrammica</i>	<i>Lacuna</i> spp
<i>Balanus glandula</i>	<i>Laminaria setchellii</i>
<i>Balanus nubilus</i>	<i>Lepidochitona dentiens</i>
<i>Bossiella</i> spp	<i>Lepidozona</i> spp
<i>Bryopsis</i> spp	<i>Leptasterias</i> spp
<i>Calliarthron</i> spp	<i>Littorina keenae</i>
<i>Calliostoma ligatum</i>	<i>Littorina plena/scutulata</i>
<i>Cancer oregonensis</i>	<i>Littorina sitkana/subrotundata</i>
<i>Cancer productus</i>	<i>Lottia austrodigitalis/digitalis</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Cerithiopsis</i> spp	<i>Lottia pelta</i>
<i>Chaetomorpha spiralis</i>	<i>Lottia scabra/conus</i>
<i>Chthamalus</i> spp	<i>Lottia scutum</i>
<i>Cirolana</i> spp	<i>Mastocarpus papillatus</i>
<i>Cladophora columbiana</i>	<i>Mazzaella parksii</i>
<i>Codium setchellii</i>	<i>Mazzaella</i> spp
<i>Colpomenia/leathesia</i> spp	<i>Microcladia borealis</i>
<i>Constantinea simplex</i>	<i>Mytilus californianus</i>
<i>Corallina</i> spp	<i>Mytilus galloprovincialis/trossulus</i>
<i>Cryptochiton stelleri</i>	<i>Neoptilota/Ptilota</i> spp
<i>Cryptopleura/Hymenena</i> spp	<i>Neorhodomela larix</i>
<i>Cryptosiphonia woodii</i>	<i>Neorhodomela oregona</i>
<i>Cucumaria pseudocurata</i>	<i>Nucella canaliculata</i>
Diatoms	<i>Nucella emarginata/ostrina</i>
<i>Dilsea californica</i>	<i>Nucella lamellosa</i>
<i>Egregia menziesii</i>	<i>Nuttalina</i> spp
Encrusting coralline	<i>Ocenebra lurida</i>
<i>Endocladia muricata</i>	<i>Odonthalia floccosa</i>
<i>Erythrophyllum delesserioides</i>	<i>Oedignathus inermis</i>
<i>Farlowia/Pikea</i> spp	<i>Osmundea spectabilis</i>
<i>Fissurella volcano</i>	<i>Pachycheles</i> spp
<i>Fucus</i> spp	<i>Pachygrapsus crassipes</i>

*Pagurus granosimanus*  
*Pagurus hirsutiussculus*  
*Pagurus* spp  
*Pelvetiopsis* spp  
*Petrocelis* spp  
*Petrolisthes* spp  
*Phragmatopoma californica*  
*Phyllospadix scouleri*  
*Phyllospadix torreyi*  
*Pisaster ochraceus*  
*Pista* spp  
*Plocamium cartilagineum*  
*Plocamium oregonum*  
*Plocamium violaceum*  
*Pollicipes polymerus*  
*Polyneura latissima*  
*Polysiphonia* spp  
*Porphyra* spp  
*Prionitis lanceolata*  
*Prionitis lyallii*  
*Pterosiphonia bipinnata*  
*Pterosiphonia dendroidea/pennata*  
*Pugettia gracilis/richii*  
*Pugettia producta*  
Pycnogonida  
*Pycnopodia helianthoides*  
Ralfsiaceae  
*Semibalanus cariosus*  
*Sertularella turgida*  
*Strongylocentrotus purpuratus*  
*Styela montereyensis*  
*Tegula funebris*  
*Tonicella lineata*  
*Ulva* spp  
*Velutina* spp

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**Fogarty Creek, Lincoln County, Oregon**

**June 4, 2004**

Species List:

<i>Abietinaria</i> spp	<i>Halichondria</i> spp
<i>Aglaophenia latirostris</i>	<i>Haliclona</i> spp
<i>Alia</i> spp	<i>Halosaccion glandiforme</i>
<i>Amphissa columbiana</i>	<i>Halymenia/Schizymenia</i> spp
<i>Analipus japonicus</i>	<i>Hedophyllum sessile</i>
<i>Anthopleura elegantissima</i>	<i>Hemigrapsus oregonensis</i>
<i>Anthopleura sola</i>	<i>Henricia</i> spp
<i>Anthopleura xanthogrammica</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Balanus glandula</i>	<i>Idotea</i> spp
Blue green algae	<i>Katharina tunicata</i>
<i>Bossiella</i> spp	<i>Lacuna</i> spp
<i>Bugula</i> spp	<i>Laminaria setchellii</i>
<i>Calliarthron</i> spp	<i>Lepidochitona dentiens</i>
<i>Cancer oregonensis</i>	<i>Lepidozona</i> spp
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Leptasterias</i> spp
<i>Chaetomorpha spiralis</i>	<i>Lessoniopsis littoralis</i>
<i>Chondracanthus canaliculatus</i>	<i>Lirularia/margarites</i> spp
<i>Chthamalus</i> spp	<i>Littorina plena/scutulata</i>
<i>Cladophora columbiana</i>	<i>Lottia austrodigitalis/digitalis</i>
<i>Colpomenia/leathesia</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Constantinea simplex</i>	<i>Lottia pelta</i>
<i>Corallina</i> spp	<i>Lottia scabra/conus</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Lottia scutum</i>
<i>Cryptosiphonia woodii</i>	<i>Mastocarpus papillatus</i>
Diatoms	<i>Mazzaella parksii</i>
<i>Diaulula sandiegensis</i>	<i>Mazzaella</i> spp
<i>Dilsea californica</i>	<i>Microcladia borealis</i>
<i>Dodecaceria fewkesi</i>	<i>Mopalia</i> spp
<i>Egregia menziesii</i>	<i>Mytilus californianus</i>
Encrusting coralline	<i>Mytilus galloprovincialis/trossulus</i>
<i>Endocladia muricata</i>	<i>Neoptilota/ptilota</i> spp
<i>Erythrophyllum delesserioides</i>	<i>Neorhodomela larix</i>
<i>Farlowia/Pikea</i> spp	<i>Neorhodomela oregona</i>
<i>Flustrellidra corniculata</i>	<i>Nucella canaliculata</i>
<i>Fucus</i> spp	<i>Nucella emarginata/ostrina</i>
Gunnel	<i>Nucella lamellosa</i>

*Odonthalia floccosa*  
*Oedignathus inermis*  
*Osmundea spectabilis*  
*Pachycheles* spp  
*Pachygrapsus crassipes*  
*Pagurus granosimanus*  
*Pagurus hirsutiussculus*  
*Pagurus samuelis*  
*Pagurus* spp  
*Pelvetiopsis* spp  
*Petalonia fascia*  
*Petrocelis* spp  
*Phaeostrophion irregulare*  
*Phyllospadix scouleri*  
*Phyllospadix torreyi*  
*Pisaster ochraceus*  
*Pista* spp  
*Plocamium cartilagineum*  
*Plocamium oregonum*

*Plocamium violaceum*  
*Pollicipes polymerus*  
*Polysiphonia* spp  
*Porphyra* spp  
*Prionitis lanceolata*  
*Pterosiphonia bipinnata*  
*Pugettia gracilis/richii*  
*Pugettia producta*  
Ralfsiaceae  
*Ritterella* spp  
Sculpin  
*Semibalanus cariosus*  
*Sertularella turgida*  
*Strongylocentrotus purpuratus*  
*Tegula funebris*  
*Tetraclita rubescens*  
*Tonicella lineata*  
*Ulva* spp