

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) prior to using this information for any purpose. We make this request to:

1. Reduce redundancy; we may be currently working on projects that involve this information.
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>

Fraser, Santa Cruz Island, California
January 11, 2002
Species List:

<i>Acanthinucella</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Amphissa versicolor</i>	<i>Lottia pelta</i>
<i>Anthopleura elegantissima</i>	<i>Lottia scabra/conus</i>
<i>Anthopleura sola</i>	<i>Mastocarpus jardinii</i>
<i>Anthopleura xanthogrammica</i>	<i>Mastocarpus papillatus</i>
<i>Aplidium californicum/solidum</i>	<i>Mazzaella affinis</i>
<i>Balanus glandula</i>	<i>Mazzaella leptorhynchus</i>
<i>Bossiella</i> spp	<i>Mazzaella</i> spp
<i>Brachidontes/Septifer</i> spp	<i>Mopalia</i> spp
<i>Calliarthron</i> spp	<i>Mytilus californianus</i>
<i>Callithamnion pikeanum</i>	<i>Nucella emarginata/ostrina</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Nuttallina</i> spp
<i>Chaetomorpha spiralis</i>	<i>Osmundea spectabilis</i>
<i>Chondracanthus canaliculatus</i>	<i>Pachygrapsus crassipes</i>
<i>Chondracanthus spinosus</i>	<i>Pagurus hirsutiusculus</i>
<i>Chthamalus</i> spp	<i>Pagurus samuelis</i>
<i>Cladophora columbiana</i>	<i>Petrocelis</i> spp
<i>Corallina</i> spp	<i>Petrospongium rugosum</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Phragmatopoma californica</i>
<i>Dodecaceria fewkesi</i>	<i>Phyllospadix scouleri</i>
<i>Egregia menziesii</i>	<i>Phyllospadix torreyi</i>
Encrusting coralline	<i>Pisaster ochraceus</i>
<i>Endocladia muricata</i>	<i>Plocamium cartilagineum</i>
<i>Epitonium tinctum</i>	<i>Plocamium violaceum</i>
<i>Fissurella volcano</i>	<i>Pollicipes polymerus</i>
<i>Gastroclonium subarticulatum</i>	<i>Polysiphonia</i> spp
<i>Gelidium coulteri</i>	<i>Porphyra</i> spp
<i>Gelidium coulteri/pusillum</i>	<i>Prionitis lanceolata</i>
<i>Gracilaria robusta</i>	<i>Pterosiphonia baileyi</i>
<i>Gracilariopsis andersonii/papenfussii</i>	<i>Pterosiphonia dendroidea/pennata</i>
<i>Grateloupia doryphora</i>	Ralfsiaceae
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Spirorbis</i> spp
<i>Littorina keenae</i>	<i>Strongylocentrotus purpuratus</i>
<i>Littorina plena/scutulata</i>	<i>Tegula funebris</i>
<i>Lottia austrodigitalis/digitalis</i>	<i>Tetraclita rubescens</i>
<i>Lottia limatula</i>	<i>Ulva</i> spp

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Fraser, Santa Cruz Island, California
January 31, 2003
Species List:

<i>Acanthinucella</i> spp	<i>Halichondria</i> spp
<i>Aglaophenia latirostris</i>	<i>Hermisenda crassicornis</i>
<i>Ahnfeltiopsis leptophylla</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Amphissa versicolor</i>	<i>Idotea</i> spp
<i>Anthopleura elegantissima</i>	<i>Lacuna</i> spp
<i>Anthopleura sola</i>	<i>Lepidochitona hartwegii</i>
<i>Balanus glandula</i>	<i>Littorina keenae</i>
Blue green algae	<i>Littorina plena/scutulata</i>
<i>Bossiella</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Brachidontes/Septifer</i> spp	<i>Lottia limatula</i>
<i>Bryopsis</i> spp	<i>Lottia ochracea</i>
<i>Callithamnion pikeanum</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Callithamnion rupicola</i>	<i>Lottia pelta</i>
<i>Callophyllis violacea</i>	<i>Lottia scabra/conus</i>
<i>Cancer antennarius</i>	<i>Mastocarpus papillatus</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Mazzaella affinis</i>
<i>Chaetomorpha spiralis</i>	<i>Mazzaella leptorhynchos</i>
<i>Chondracanthus canaliculatus</i>	<i>Mazzaella linearis</i>
<i>Chondracanthus spinosus</i>	<i>Mazzaella</i> spp
<i>Chthamalus</i> spp	<i>Megabalanus californicus</i>
<i>Cladophora columbiana</i>	<i>Mopalia</i> spp
<i>Colpomenia/Leathesia</i> spp	<i>Mytilus californianus</i>
<i>Corallina</i> spp	<i>Navicula</i> spp
<i>Cryptopleura/Hymenena</i> spp	<i>Nienburgia andersoniana</i>
<i>Dilsea californica</i>	<i>Nucella emarginata/ostrina</i>
<i>Dodecaceria fewkesi</i>	<i>Nuttallina</i> spp
<i>Egregia menziesii</i>	<i>Ocenebra circumtexta</i>
Encrusting coralline	<i>Osmundea sinicola</i>
<i>Endocladia muricata</i>	<i>Osmundea spectabilis</i>
<i>Fissurella volcano</i>	<i>Pachygrapsus crassipes</i>
<i>Gastroclonium subarticulatum</i>	<i>Pagurus hirsutiusculus</i>
<i>Gelidium coulteri</i>	<i>Pagurus samuelis</i>
<i>Gelidium pusillum</i>	<i>Petrocelis</i> spp
<i>Gelidium robustum</i>	<i>Petrospongium rugosum</i>
<i>Gracilariopsis andersonii/papenfussii</i>	<i>Phragmatopoma californica</i>
<i>Grateloupia doryphora</i>	<i>Phyllospadix scouleri</i>

Phyllospadix torreyi
Pisaster ochraceus
Plocamium cartilagineum
Pogonophorella californica
Pollicipes polymerus
Polysiphonia spp
Porphyra spp
Prionitis cornea
Prionitis lanceolata
Pterosiphonia baileyi
Pterosiphonia dendroidea/pennata

Pugettia producta
Ralfsiaceae
Ritterella spp
Sculpin
Strongylocentrotus purpuratus
Tegula funebris
Tetraclita rubescens
Tiffaniella snyderiae
Triopha catalinae
Tubularia marina
Ulva spp

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Fraser, Santa Cruz Island, California
January 17, 2004
Species List:

<i>Acanthinucella</i> spp	<i>Gracilariopsis andersonii/papenfussii</i>
<i>Alia</i> spp	<i>Grateloupia doryphora</i>
<i>Amphissa versicolor</i>	<i>Halichondria</i> spp
<i>Anthopleura elegantissima</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Anthopleura sola</i>	<i>Homalopoma baculum/luridum</i>
<i>Anthopleura xanthogrammica</i>	<i>Jania crassa</i>
<i>Archidistoma psammion</i>	<i>Lacuna</i> spp
<i>Aalanus glandula</i>	<i>Lepidochitona hartwegii</i>
Blue green algae	<i>Ligia</i> spp
<i>Bossiella</i> spp	<i>Littorina keenae</i>
<i>Brachidontes/Septifer</i> spp	<i>Littorina plena/scutulata</i>
<i>Callithamnion pikeanum</i>	<i>Lottia austrodigitalis/digitalis</i>
<i>Cancer antennarius</i>	<i>Lottia limatula</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Lottia ochracea</i>
<i>Chaetomorpha spiralis</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Chondracanthus canaliculatus</i>	<i>Lottia pelta</i>
<i>Chondracanthus spinosus</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 affinis</i>
<i>Corallina</i> spp	<i>Mazzaella leptorhynchos</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Mopalia</i> spp
<i>Diaulula sandigensis</i>	<i>Mytilus californianus</i>
<i>Dilsea californica</i>	<i>Nucella emarginata/ostrina</i>
<i>Dodecaceria fewkesi</i>	<i>Nuttallina</i> spp
<i>Egregia menziesii</i>	<i>Ocenebra circumtexta</i>
Encrusting coralline	<i>Ophlitaspongia pennata</i>
<i>Endocladia muricata</i>	<i>Osmundea spectabilis</i>
<i>Epiactis prolifera</i>	<i>Pachygrapsus crassipes</i>
<i>Epitonium tinctum</i>	<i>Pagurus hirsutiusculus</i>
<i>Fissurella volcano</i>	<i>Pagurus samuelis</i>
<i>Gastroclonium subarticulatum</i>	<i>Petrocelis</i> spp
<i>Gelidium coulteri</i>	<i>Phragmatopoma californica</i>
<i>Gelidium coulteri/pusillum</i>	<i>Phyllospadix scouleri</i>
<i>Gelidium pusillum</i>	<i>Phyllospadix torreyi</i>
<i>Gelidium robustum</i>	<i>Pisaster ochraceus</i>

Plocamium cartilagineum
Pollicipes polymerus
Polysiphonia spp
Porphyra spp
Prionitis lanceolata
Pseudolithoderma nigra
Pterosiphonia dendroidea/pennata
Pugettia gracilis/richii

Pugettia producta
Pycnogonida
Ritterella spp
Strongylocentrotus purpuratus
Tegula funebris
Tetraclita rubescens
Tiffaniella snyderiae
Ulva spp