

**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:

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>

**Trailer, Santa Cruz Island, California**  
**January 10, 2002**  
Species list:

<i>Acanthinucella</i> spp	<i>Littorina plena/scutulata</i>
<i>Alia</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Amphissa versicolor</i>	<i>Lottia limatula</i>
<i>Anthopleura sola</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Archidistoma psammion</i>	<i>Lottia pelta</i>
<i>Asterina miniata</i>	<i>Lottia scabra/conus</i>
<i>Balanus glandula</i>	<i>Lottia scutum</i>
<i>Blue green algae</i>	<i>Macrocystis</i> spp
<i>Bossiella</i> spp	<i>Mastocarpus jardinii</i>
<i>Brachidontes/Septifer</i> spp	<i>Mazzaella affinis</i>
<i>Calliarthron</i> spp	<i>Mazzaella leptorhynchus</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Mazzaella</i> spp
<i>Chondracanthus canaliculatus</i>	<i>Modiolus</i> spp
<i>Chondracanthus spinosus</i>	<i>Mopalia</i> spp
<i>Chthamalus</i> spp	<i>Mytilus californianus</i>
<i>Cladophora columbiana</i>	<i>Nemalion helminthoides</i>
<i>Codium fragile</i>	<i>Nucella emarginata/ostrina</i>
<i>Corallina</i> spp	<i>Nuttallina</i> spp
<i>Cyrtopleura/Hymenena</i> spp	<i>Ocenebra circumtexta</i>
Diatoms	<i>Pachygrapsus crassipes</i>
<i>Distaplia occidentalis</i>	<i>Pagurus hirsutiusculus</i>
<i>Egregia menziesii</i>	<i>Pagurus samuelis</i>
<i>Eisenia arborea</i>	<i>Petrospongium rugosum</i>
<i>Encrusting coralline</i>	<i>Phragmatopoma californica</i>
<i>Endarachne binghamiae</i>	<i>Phyllospadix scouleri</i>
<i>Endocladia muricata</i>	<i>Phyllospadix torreyi</i>
<i>Erythroglossum californicum</i>	<i>Pisaster giganteus</i>
<i>Fissurella volcano</i>	<i>Pisaster ochraceus</i>
<i>Gastroclonium subarticulatum</i>	<i>Plocamium cartilagineum</i>
<i>Gelidium coulteri</i>	<i>Pollicipes polymerus</i>
<i>Gelidium coulteri/pusillum</i>	<i>Polysiphonia</i> spp
<i>Hesperophycus harveyanus</i>	<i>Porphyra</i> spp
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Prionitis lanceolata</i>
<i>Lepidochitona hartwegii</i>	<i>Pseudolithoderma nigra</i>
<i>Leptasterias</i> spp	<i>Pterocliadiella capillacea</i>
<i>Littorina keenae</i>	<i>Pterosiphonia baileyi</i>

*Pterosiphonia dendroidea/pennata*  
*Pugettia producta*  
Ralfsiaceae  
*Ritterella* spp  
*Sargassum muticum*  
Sculpin  
*Scytosiphon* spp

*Silvetia compressa*  
*Spirorbis* spp  
*Strongylocentrotus purpuratus*  
*Tegula funebris*  
*Tegula gallina*  
*Tetraclita rubescens*  
*Ulva* spp

**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:

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>

**Trailer Santa Cruz Island**  
**January 27, 2006**  
Species List:

<i>Acanthinucella</i> spp	<i>Epitonium tinctum</i>
<i>Aglaophenia latirostris</i>	<i>Erythrophyllum delesserioides</i>
<i>Alia</i> spp	<i>Eurystomella bilabiata</i>
<i>Amphissa versicolor</i>	<i>Fissurella volcano</i>
<i>Anthopleura elegantissima</i>	<i>Gastroclonium subarticulatum</i>
<i>Anthopleura sola</i>	<i>Gelidium coulteri</i>
<i>Anthopleura xanthogrammica</i>	<i>Gelidium pusillum</i>
<i>Aplidium californicum/solidum</i>	<i>Gelidium robustum</i>
<i>Archidistoma psammion</i>	<i>Grateloupia doryphora</i>
<i>Asterina miniata</i>	<i>Halidrys dioica</i>
<i>Balanus glandula</i>	<i>Hesperophycus harveyanus</i>
Blue green algae	<i>Hildenbrandia/peyssonnelia</i> spp
<i>Bossiella</i> spp	<i>Homalopoma baculum/luridum</i>
<i>Brachidontes/Septifer</i> spp	<i>Lacuna</i> spp
<i>Bryopsis</i> spp	<i>Laurencia pacifica/masonii</i>
<i>Bugula</i> spp	<i>Lepidochitona dentiens</i>
<i>Calliarthron</i> spp	<i>Lepidochitona hartwegii</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Leptasterias</i> spp
<i>Ceratostoma nuttalli</i>	<i>Lirularia/Margarites</i> spp
<i>Cerithiopsis</i> spp	<i>Lithothrix aspergillum</i>
<i>Chondracanthus canaliculatus</i>	<i>Littorina keenae</i>
<i>Chondracanthus spinosus</i>	<i>Littorina plena/scutulata</i>
<i>Chthamalus</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Cirolana</i> spp	<i>Lottia limatula</i>
<i>Cladophora columbiana</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Codium fragile</i>	<i>Lottia pelta</i>
<i>Corallina</i> spp	<i>Lottia scabra/conus</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Lottia scutum</i>
<i>Dasya binghamiae</i>	<i>Mastocarpus papillatus</i>
Diatoms	<i>Mazzaella affinis</i>
<i>Distaplia occidentalis</i>	<i>Mazzaella leptorhynchos</i>
<i>Egregia menziesii</i>	<i>Mazzaella</i> spp
<i>Eisenia arborea</i>	<i>Membranipora</i> spp
Encrusting coralline	<i>Mytilus californianus</i>
<i>Endarachne binghamiae</i>	<i>Mytilus galloprovincialis/trossulus</i>
<i>Endocladia muricata</i>	<i>Nemalion helminthoides</i>

*Norrisia norrisi*  
*Nucella emarginata/ostrina*  
*Nuttallina spp*  
*Ocenebra circumtexta*  
*Ocenebra lurida*  
*Ophlitaspongia pennata*  
*Osmundea sinicola*  
*Osmundea spectabilis*  
*Pachycheles spp*  
*Pachygrapsus crassipes*  
*Pagurus hirsutiusculus*  
*Pagurus samuelis*  
*Petrocelis spp*  
*Petrospongium rugosum*  
*Phragmatopoma californica*  
*Phyllospadix scouleri*  
*Phyllospadix torreyi*  
*Pisaster ochraceus*  
*Pista spp*  
*Pollicipes polymerus*  
*Polysiphonia spp*  
*Porphyra spp*  
*Prionitis lanceolata*  
*Pseudolithoderma nigra*  
*Pterosiphonia baileyi*  
*Pterosiphonia dendroidea/pennata*  
*Ralfsiaceae*  
*Sargassum muticum*  
*Sculpin*  
*Seila montereyensis*  
*Serpulorbis squamigerus*  
*Silvetia compressa*  
*Spirobranchus spinosus*  
*Spirorbis spp*  
*Strongylocentrotus purpuratus*  
*Tegula funebris*  
*Tetraclita rubescens*  
*Tiffaniella snyderiae*  
*Ulva spp*