

**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>

**Crystal Cove, Orange County, California**  
**May 19, 2003**  
Species list:

<i>Acanthinucella</i> spp	<i>Gastroclonium subarticulatum</i>
<i>Acrosorium ciliolatum</i>	<i>Gelidium coulteri</i>
<i>Ahnfeltiopsis leptophylla</i>	<i>Gelidium coulteri/pusillum</i>
<i>Amphissa versicolor</i>	<i>Gelidium robustum</i>
<i>Anthopleura elegantissima</i>	<i>Halimnion gracile</i>
<i>Anthopleura sola</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Aplysia californica</i>	<i>Hypnea</i> spp
<i>Balanus glandula</i>	<i>Hypnea valentiae</i>
Blue green algae	<i>Jania crassa</i>
<i>Bossiella</i> spp	<i>Jania tenella</i>
<i>Brachidontes/Septifer</i> spp	<i>Laurencia pacifica/masonii</i>
<i>Caulacanthus ustulatus</i>	<i>Lepidochitona dentiens</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Lepidochitona hartwegii</i>
<i>Chaetomorpha spiralis</i>	<i>Leucetta losangelensis</i>
<i>Chondracanthus canaliculatus</i>	<i>Lithothrix aspergillum</i>
<i>Chondria decipiens</i>	<i>Littorina keenae</i>
<i>Chondria nidifica</i>	<i>Littorina plena/scutulata</i>
<i>Chthamalus</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Colpomenia/Leathesia</i> spp	<i>Lottia limatula</i>
<i>Conus californicus</i>	<i>Lottia ochracea</i>
<i>Corallina</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Lottia pelta</i>
<i>Cumagloia andersonii</i>	<i>Lottia scabra/conus</i>
<i>Cystoseira osmundacea</i>	<i>Macron lividus</i>
Diatoms	<i>Mazzaella affinis</i>
<i>Dictyopteris undulata</i>	<i>Mazzaella</i> spp
<i>Dictyota binghamiae/flabellata</i>	<i>Mytilus californianus</i>
<i>Egregia menziesii</i>	<i>Mytilus galloprovincialis/trossulus</i>
<i>Eisenia arborea</i>	<i>Nemalion helminthoides</i>
Encrusting coralline	<i>Nienburgia andersoniana</i>
<i>Endarachne binghamiae</i>	<i>Norrisia norrisi</i>
<i>Epitonium tinctum</i>	<i>Nucella emarginata/ostrina</i>
<i>Erythroglossum californicum</i>	<i>Nuttallina</i> spp
<i>Fissurella volcano</i>	<i>Ocenebra circumtexta</i>
<i>Gastroclonium parvum</i>	<i>Odonthalia floccosa</i>

*Opalia funiculata*  
*Ophlitaspongia pennata*  
*Osmundea sinicola*  
*Osmundea spectabilis*  
*Pachydictyon coriaceum*  
*Pachygrapsus crassipes*  
*Pagurus hirsutiussculus*  
*Pagurus samuelis*  
*Petrocelis* spp  
*Petrolisthes* spp  
*Petrospongium rugosum*  
*Phragmatopoma californica*  
*Phyllospadix torreyi*  
*Pisaster ochraceus*  
*Plocamium cartilagineum*  
*Pollicipes polymerus*  
*Polysiphonia* spp  
*Porphyra* spp  
*Pseudochama exogyra*  
*Pseudolithoderma nigra*  
*Pterocladia media*  
*Pterocладиella capillacea*

*Pterosiphonia baileyi*  
*Pterosiphonia dendroidea/pennata*  
Ralfsiaceae  
*Rhodymenia californica*  
*Rhodymenia pacifica*  
*Roperia poulsoni*  
*Sarcodiotheca gaudichaudii*  
*Sargassum muticum*  
*Scytosiphon* spp  
*Serpulorbis squamigerus*  
*Silvetia compressa*  
*Spirorbis* spp  
*Strongylocentrotus purpuratus*  
*Tegula aureotincta*  
*Tegula eiseni*  
*Tegula funebris*  
*Tegula gallina*  
*Tetraclita rubescens*  
*Tiffaniella snyderiae*  
*Ulva* spp  
*Zonaria farlowii*