

**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>

**Cabrillo Zone I, San Diego County, California**  
**December 14, 16, 2009**

Species List:

<i>Acanthina lugubris</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Acanthinucella</i> spp	<i>Lottia scabra/conus</i>
<i>Anthopleura elegantissima</i>	<i>Mazzaella leptorhynchos</i>
Blue green algae	<i>Megastraea undosa</i>
<i>Bossiella</i> spp	<i>Mytilus californianus</i>
<i>Caulacanthus ustulatus</i>	<i>Nienburgia andersoniana</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Nucella emarginata/ostrina</i>
<i>Ceratostoma nuttalli</i>	<i>Nuttallina</i> spp
<i>Chondracanthus canaliculatus</i>	<i>Ocenebra atropurpurea</i>
<i>Chondria</i> spp	<i>Ocenebra interfossa</i>
<i>Chthamalus</i> spp	<i>Opalia montereyensis</i>
<i>Conus californicus</i>	<i>Osmundea sinicola</i>
<i>Corallina</i> spp	<i>Osmundea spectabilis</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Pachydictyon coriaceum</i>
<i>Cyanoplax hartwegii</i>	<i>Pachygrapsus crassipes</i>
Diatoms	<i>Pagurus samuelis</i>
<i>Egregia menziesii</i>	<i>Petrospongium rugosum</i>
Encrusting coralline	<i>Phyllospadix torreyi</i>
<i>Endarachne binghamiae</i>	<i>Plocamium pacificum</i>
<i>Epiactis prolifera</i>	<i>Plocamium violaceum</i>
<i>Epitonium tinctum</i>	<i>Pollicipes polymerus</i>
<i>Fissurella volcano</i>	<i>Pseudolithoderma nigra</i>
<i>Gastroclonium parvum</i>	<i>Pseudomelatoma penicillata</i>
<i>Gastroclonium subarticulatum</i>	<i>Pterocladiaella capillacea</i>
<i>Gelidium coulteri</i>	<i>Pugettia producta</i>
<i>Gelidium pusillum</i>	Ralfsiaceae
<i>Gelidium robustum</i>	<i>Rhodymenia californica</i>
<i>Gracilariopsis andersonii/papenfussii</i>	Sabellariidae
<i>Halidrys dioica</i>	<i>Sargassum muticum</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Scytosiphon</i> spp
<i>Laurencia pacifica/masonii</i>	<i>Serpulorbis squamigerus</i>
<i>Leptasterias</i> spp	<i>Silvetia compressa</i>
<i>Lithothrix aspergillum</i>	<i>Tegula aureotincta</i>
<i>Littorina keenae</i>	<i>Tegula eiseni</i>
<i>Littorina plena/scutulata</i>	<i>Tetraclita rubescens</i>
<i>Lottia austrodigitalis/digitalis</i>	<i>Ulva</i> spp
<i>Lottia limatula</i>	