

**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>

**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