

**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>

**Scripps, San Diego County**  
**March 24, 2002**  
Species List:

<i>Acanthina lugubris</i>	<i>Gelidium pusillum</i>
<i>Acanthinucella</i> spp	<i>Gelidium robustum</i>
<i>Acrosorium ciliolatum</i>	<i>Gelidium</i> spp
<i>Ahnfeltiopsis leptophylla</i>	<i>Gracilariopsis andersonii/papenfussii</i>
<i>Anthopleura elegantissima</i>	<i>Herposiphonia littoralis</i>
<i>Anthopleura sola</i>	<i>Hildenbrandia/Peyssonnelia</i> spp
<i>Asterina miniata</i>	<i>Hypnea valentiae</i>
<i>Balanus glandula</i>	<i>Jania crassa</i>
<i>Brachidontes/Septifer</i> spp	<i>Laurencia pacifica/masonii</i>
<i>Bryopsis</i> spp	<i>Laurencia snyderae</i>
<i>Bugula</i> spp	<i>Lepidochitona hartwegii</i>
<i>Bulla gouldiana</i>	<i>Lithothrix aspergillum</i>
<i>Callophyllis violacea</i>	<i>Littorina keenae</i>
<i>Caulacanthus ustulatus</i>	<i>Littorina plena/scutulata</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Chaetomorpha spiralis</i>	<i>Lottia limatula</i>
<i>Chondracanthus canaliculatus</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Chondria californica</i>	<i>Lottia pelta</i>
<i>Chondria decipiens</i>	<i>Lottia scabra/conus</i>
<i>Chthamalus</i> spp	<i>Macron lividus</i>
<i>Colpomenia/Leathesia</i> spp	<i>Mazzaella leptorhynchus</i>
<i>Conus californicus</i>	<i>Megabalanus californicus</i>
<i>Corallina</i> spp	<i>Mytilus californianus</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Navanax inermis</i>
<i>Cycloxanthops novemdentatus</i>	<i>Nuttallina</i> spp
Diatoms	<i>Ocenebra circumtexta</i>
<i>Dictyota binghamiae/flabellata</i>	<i>Opalia funiculata</i>
<i>Eisenia arborea</i>	<i>Osmundea sinicola</i>
Encrusting coralline	<i>Osmundea spectabilis</i>
<i>Endarachne binghamiae</i>	<i>Pachydictyon coriaceum</i>
<i>Epitonium tinctum</i>	<i>Pachygrapsus crassipes</i>
<i>Erythroglossum californicum</i>	<i>Pagurus hirsutiusculus</i>
<i>Fissurella volcano</i>	<i>Pagurus samuelis</i>
<i>Gastroclonium subarticulatum</i>	<i>Petrospongium rugosum</i>
<i>Gelidium coulteri</i>	<i>Phragmatopoma californica</i>
<i>Gelidium coulteri/pusillum</i>	<i>Phyllospadix scouleri</i>

*Phyllospadix torreyi*  
*Pilumnus spinohirsutus*  
*Pisaster ochraceus*  
*Plocamium cartilagineum*  
*Pollicipes polymerus*  
*Polysiphonia* spp  
*Pseudochama exogyra*  
*Pterocladia media*  
*Pteroclatiella capillacea*  
*Pteropurpura trialata*  
*Pterosiphonia bipinnata*  
*Pterosiphonia dendroidea/pennata*  
Ralfsiaceae  
*Rhodymenia californica*  
*Roperia poulsoni*

*Sargassum agardhianum*  
*Sargassum muticum*  
*Serpula vermicularis*  
*Serpulorbis squamigerus*  
*Silvetia compressa*  
*Spirorbis* spp  
*Taonia lennebackeriae*  
*Tegula aureotincta*  
*Tegula eiseni*  
*Tegula funebris*  
*Tetraclita rubescens*  
*Tiffaniella snyderiae*  
*Ulva* spp  
*Zonaria farlowii*

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**Scripps, San Diego County**  
**February 23-24, 2006**

Species List:

<i>Acanthina lugubris</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Acanthinucella</i> spp	<i>Lottia pelta</i>
<i>Alia</i> spp	<i>Lottia scabra/conus</i>
<i>Anthopleura elegantissima</i>	<i>Lottia scutum</i>
<i>Anthopleura sola</i>	<i>Macron lividus</i>
<i>Balanus glandula</i>	<i>Maxwellia gemma</i>
Blue green algae	<i>Mazzaella leptorhynchos</i>
<i>Bugula neritina</i>	<i>Membranipora</i> spp
<i>Caulacanthus ustulatus</i>	<i>Mytilus californianus</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Nuttallina</i> spp
<i>Chondracanthus canaliculatus</i>	Ophiuroid
<i>Chondria acrorhizophora</i>	<i>Osmundea sinicola</i>
<i>Chthamalus</i> spp	<i>Osmundea spectabilis</i>
<i>Conus californicus</i>	<i>Pachygrapsus crassipes</i>
<i>Corallina</i> spp	<i>Pagurus hirsutiusculus</i>
Diatoms	<i>Pagurus samuelis</i>
<i>Eisenia arborea</i>	<i>Petrocelis</i> spp
Encrusting coralline	<i>Petrolisthes</i> spp
<i>Endarachne binghamiae</i>	<i>Petrospongium rugosum</i>
<i>Epitonium tinctum</i>	<i>Phragmatopoma californica</i>
<i>Fissurella volcano</i>	<i>Phyllospadix scouleri</i>
<i>Gastroclonium parvum</i>	<i>Phyllospadix torreyi</i>
<i>Gelidium coulteri</i>	<i>Pisaster ochraceus</i>
<i>Gelidium purpurascens</i>	<i>Pollicipes polymerus</i>
<i>Gelidium pusillum</i>	<i>Polysiphonia</i> spp
<i>Gelidium robustum</i>	<i>Prionitis lanceolata</i>
<i>Haminoea virescens</i>	<i>Pseudochama exogyra</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Pseudolithoderma nigra</i>
<i>Hypnea valentiae</i>	<i>Pterocладиella capillacea</i>
<i>Jania crassa</i>	<i>Pugettia gracilis/richii</i>
<i>Lacuna</i> spp	Pycnogonida
<i>Laurencia pacifica/masonii</i>	<i>Roperia poulsoni</i>
<i>Lepidochitona hartwegii</i>	<i>Sarcodiotheca gaudichaudii</i>
<i>Lithothrix aspergillum</i>	<i>Sargassum muticum</i>
<i>Littorina keenae</i>	<i>Silvetia compressa</i>
<i>Lottia limatula</i>	<i>Tegula eiseni</i>
	<i>Tegula funebris</i>

*Thalamoporella* spp

*Ulva* spp

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**Scripps, San Diego County, California**  
**February 25, 2010**

Species List:

<i>Acanthina lugubris</i>	<i>Hypnea valentiae</i>
<i>Acanthinucella</i> spp	<i>Jania crassa</i>
<i>Alia</i> spp	<i>Laurencia pacifica/masonii</i>
<i>Anthopleura elegantissima</i>	<i>Laurencia snyderae</i>
<i>Anthopleura sola</i>	<i>Lithothrix aspergillum</i>
<i>Asterina miniata</i>	<i>Littorina keenae</i>
<i>Balanus glandula</i>	<i>Littorina plena/scutulata</i>
Blue green algae	<i>Lottia austrodigitalis/digitalis</i>
<i>Bossiella</i> spp	<i>Lottia limatula</i>
<i>Brachidontes/Septifer</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Bugula neritina</i>	<i>Lottia persona</i>
<i>Caulacanthus ustulatus</i>	<i>Lottia scabra/conus</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Macron lividus</i>
<i>Chaetomorpha spiralis</i>	<i>Mazzaella leptorhynchos</i>
<i>Chondracanthus canaliculatus</i>	<i>Megastrea undosa</i>
<i>Chthamalus</i> spp	<i>Mytilus californianus</i>
<i>Colpomenia/Leathesia</i> spp	<i>Nuttallina</i> spp
<i>Conus californicus</i>	<i>Osmundea sinicola</i>
<i>Corallina</i> spp	<i>Pachydictyon coriaceum</i>
<i>Cyanoplax hartwegii</i>	<i>Pachygrapsus crassipes</i>
Diatoms	<i>Pagurus hirsutiusculus</i>
<i>Dictyota</i> spp	<i>Pagurus samuelis</i>
<i>Dirona picta</i>	<i>Petrolisthes</i> spp
<i>Egregia menziesii</i>	<i>Petrospongium rugosum</i>
<i>Eisenia arborea</i>	<i>Phyllospadix scouleri</i>
Encrusting coralline	<i>Phyllospadix torreyi</i>
<i>Endarachne binghamiae</i>	<i>Pisaster ochraceus</i>
<i>Epitonium tinctum</i>	<i>Plocamium pacificum</i>
<i>Fissurella volcano</i>	<i>Pollicipes polymerus</i>
<i>Gastroclonium parvum</i>	<i>Polysiphonia</i> spp
<i>Gastroclonium subarticulatum</i>	<i>Pseudochama exogyra</i>
<i>Gelidium coulteri</i>	<i>Pseudolithoderma nigra</i>
<i>Gelidium pusillum</i>	<i>Pterocliadiella capillacea</i>
<i>Gelidium robustum</i>	<i>Pterosiphonia bipinnata</i>
<i>Gelidium</i> spp	<i>Pugettia producta</i>
<i>Herposiphonia</i> spp	Ralfsiaceae

Sabellariidae

*Sargassum muticum*

*Serpulorbis squamigerus*

*Silvetia compressa*

*Tegula eiseni*

*Tetraclita rubescens*

*Ulva* spp