

**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>

**Dana Point, Orange County, California**  
**May 10, 2001**

Species list:

<i>Acanthinucella</i> spp	<i>Lepidochitona hartwegii</i>
<i>Acrosorium ciliolatum</i>	<i>Lithothrix aspergillum</i>
<i>Alia</i> spp	<i>Littorina keenae</i>
<i>Anthopleura elegantissima</i>	<i>Littorina plena/scutulata</i>
<i>Anthopleura sola</i>	<i>Lottia austrodigitalis/digitalis</i>
<i>Aplysia californica</i>	<i>Lottia limatula</i>
<i>Balanus glandula</i>	<i>Lottia paradigitalis/strigatella</i>
<i>Bossiella</i> spp	<i>Lottia pelta</i>
<i>Calliarthron</i> spp	<i>Lottia scabra/conus</i>
<i>Caulacanthus ustulatus</i>	<i>Lottia scutum</i>
<i>Centroceras/Ceramium/Polysiphonia</i> spp	<i>Macron lividus</i>
<i>Chondracanthus canaliculatus</i>	<i>Maxwellia gemma</i>
<i>Chondria decipiens</i>	<i>Mazzaella leptorhynchus</i>
<i>Chthamalus</i> spp	<i>Mazzaella</i> spp
<i>Colpomenia/Leathesia</i> spp	<i>Mytilus californianus</i>
<i>Conus californicus</i>	<i>Nemalion helminthoides</i>
<i>Corallina</i> spp	<i>Nucella emarginata/ostrina</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Nuttallina</i> spp
Diatoms	Ophiuroid
<i>Dictyota binghamiae/flabellata</i>	<i>Pachygrapsus crassipes</i>
<i>Egregia menziesii</i>	<i>Pagurus hirsutiusculus</i>
Encrusting coralline	<i>Pagurus samuelis</i>
<i>Endarachne binghamiae</i>	<i>Petrolisthes</i> spp
<i>Epitonium tinctum</i>	<i>Phragmatopoma californica</i>
<i>Fissurella volcano</i>	<i>Phyllospadix scouleri</i>
<i>Gastroclonium subarticulatum</i>	<i>Phyllospadix torreyi</i>
<i>Gelidium pusillum</i>	<i>Pisaster giganteus</i>
<i>Gelidium</i> spp	<i>Pisaster ochraceus</i>
<i>Halidrys dioica</i>	<i>Plocamium cartilagineum</i>
<i>Haliptylon gracile</i>	<i>Porphyra</i> spp
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Prionitis lanceolata</i>
<i>Jania crassa</i>	<i>Pseudochama exogyra</i>
<i>Jania tenella</i>	<i>Pterocladia media</i>
<i>Laurencia pacifica/masonii</i>	<i>Pterocладиella capillacea</i>
<i>Lepidochitona dentiens</i>	<i>Pugettia producta</i>

Ralfsiaceae

*Rhodomenia pacifica*

*Roperia poulsoni*

*Sargassum muticum*

*Serpulorbis squamigerus*

*Silvetia compressa*

*Strongylocentrotus purpuratus*

*Tegula aureotincta*

*Tegula eiseni*

*Tegula funebris*

*Tegula gallina*

*Tetraclita rubescens*

*Tiffaniella snyderiae*

*Ulva* spp

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**Dana Point, Orange County, California**  
**February 25-26, 2006**  
Species list:

<i>Acanthinucella</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Ahnfeltiopsis leptophylla</i>	<i>Lottia limatula</i>
<i>Alia</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Anthopleura elegantissima</i>	<i>Lottia pelta</i>
<i>Anthopleura sola</i>	<i>Lottia scabra/conus</i>
<i>Anthopleura xanthogrammica</i>	<i>Lottia scutum</i>
<i>Balanus glandula</i>	<i>Macron lividus</i>
<i>Bossiella</i> spp	<i>Maxwellia gemma</i>
<i>Caulacanthus ustulatus</i>	<i>Mazzaella leptorhynchos</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Mazzaella</i> spp
<i>Chondracanthus canaliculatus</i>	<i>Mytilus californianus</i>
<i>Chthamalus</i> spp	<i>Nuttallina</i> spp
<i>Colpomenia/Leathesia</i> spp	<i>Pachygrapsus crassipes</i>
<i>Conus californicus</i>	<i>Pagurus samuelis</i>
<i>Corallina</i> spp	<i>Petrocelis</i> spp
<i>Egregia menziesii</i>	<i>Phragmatopoma californica</i>
<i>Eisenia arborea</i>	<i>Phyllospadix scouleri</i>
Encrusting coralline	<i>Phyllospadix torreyi</i>
<i>Endarachne binghamiae</i>	<i>Pisaster ochraceus</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>Pugettia producta</i>
<i>Halidrys dioica</i>	<i>Sargassum muticum</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Scytosiphon</i> spp
<i>Hypnea valentiae</i>	<i>Serpulorbis squamigerus</i>
<i>Idotea</i> spp	<i>Silvetia compressa</i>
<i>Jania crassa</i>	<i>Spirorbis</i> spp
<i>Lacuna</i> spp	<i>Strongylocentrotus purpuratus</i>
<i>Laurencia pacifica/masonii</i>	<i>Tegula aureotincta</i>
<i>Lepidochitona hartwegii</i>	<i>Tegula eiseni</i>
<i>Lithothrix aspergillum</i>	<i>Tegula funebris</i>
<i>Littorina keenae</i>	<i>Tetraclita rubescens</i>
<i>Littorina plena/scutulata</i>	<i>Ulva</i> spp

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**Dana Point, Orange County, California**  
**February 26, 2010**  
Species List:

<i>Acanthinucella</i> spp	<i>Lottia limatula</i>
<i>Alia</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Anthopleura elegantissima</i>	<i>Lottia pelta</i>
<i>Anthopleura sola</i>	<i>Lottia scabra/conus</i>
<i>Asterina miniata</i>	<i>Macron lividus</i>
<i>Balanus glandula</i>	<i>Mazzaella leptorhynchus</i>
<i>Bossiella</i> spp	<i>Mopalia</i> spp
<i>Brachidontes/Septifer</i> spp	<i>Mytilus californianus</i>
<i>Caulacanthus ustulatus</i>	<i>Nuttallina</i> spp
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Ocenebra circumtexta</i>
<i>Chondracanthus canaliculatus</i>	<i>Osmundea sinicola</i>
<i>Chthamalus</i> spp	<i>Pachygrapsus crassipes</i>
<i>Colpomenia/Leathesia</i> spp	<i>Pagurus hirsutiusculus</i>
<i>Conus californicus</i>	<i>Pagurus samuelis</i>
<i>Corallina</i> spp	<i>Petrolisthes</i> spp
<i>Cyanoplax hartwegii</i>	<i>Petrospongium rugosum</i>
<i>Egregia menziesii</i>	<i>Phyllospadix scouleri</i>
<i>Eisenia arborea</i>	<i>Phyllospadix torreyi</i>
Encrusting coralline	<i>Pisaster ochraceus</i>
<i>Endarachne binghamiae</i>	<i>Prionitis linearis</i>
<i>Fissurella volcano</i>	<i>Pseudochama exogyra</i>
<i>Gastroclonium parvum</i>	<i>Pseudolithoderma nigra</i>
<i>Gastroclonium subarticulatum</i>	<i>Pterocliadiella capillacea</i>
Gelidiaceae	<i>Pugettia producta</i>
<i>Gelidium coulteri</i>	Ralfsiaceae
<i>Gelidium pusillum</i>	<i>Roperia poulsoni</i>
<i>Halidrys dioica</i>	Sabellariidae
<i>Haliptylon gracile</i>	<i>Sargassum agardhianum</i>
<i>Haminoea virescens</i>	<i>Serpula vermicularis</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Silvetia compressa</i>
<i>Jania crassa</i>	<i>Tegula aureotincta</i>
<i>Laurencia pacifica/masonii</i>	<i>Tegula eiseni</i>
<i>Lithothrix aspergillum</i>	<i>Tegula funebris</i>
<i>Littorina keenae</i>	<i>Tetraclita rubescens</i>
<i>Littorina plena/scutulata</i>	<i>Ulva</i> spp
<i>Lottia austrodigitalis/digitalis</i>	