

**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>

**Thousand Springs, San Nicolas Island, California**  
**February 26, 2003**

Species list:

<i>Acanthinucella</i> spp	<i>Lacuna marmorata</i>
<i>Acrosorium ciliolatum</i>	<i>Lacuna</i> spp
<i>Alia</i> spp	<i>Laurencia pacifica/masonii</i>
<i>Amphissa versicolor</i>	<i>Lepidochitona dentiens</i>
<i>Anthopleura elegantissima</i>	<i>Lepidochitona hartwegii</i>
<i>Anthopleura sola</i>	<i>Lirularia/Margarites</i> spp
<i>Asterina miniata</i>	<i>Lithothrix aspergillum</i>
<i>Balanus glandula</i>	<i>Littorina keenae</i>
<i>Bittium eschrichtii</i>	<i>Littorina plena/scutulata</i>
Blue green algae	<i>Littorina</i> spp
<i>Bossiella</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Brachidontes/Septifer</i> spp	<i>Lottia conus/scabra</i>
<i>Calliarthron</i> spp	<i>Lottia limatula</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Chaetomorpha spiralis</i>	<i>Lottia pelta</i>
<i>Chondracanthus canaliculatus</i>	<i>Lottia scutum</i>
<i>Chondracanthus spinosus</i>	<i>Mazzaella affinis</i>
<i>Chthamalus</i> spp	<i>Mazzaella leptorhynchos</i>
<i>Cladophora columbiana</i>	<i>Mazzaella</i> spp
<i>Corallina</i> spp	<i>Mopalia</i> spp
<i>Cryptopleura/Hymenena</i> spp	<i>Mytilus californianus</i>
<i>Dasya binghamiae</i>	<i>Norrisia norrisi</i>
Diatoms	<i>Nuttallina</i> spp
<i>Dictyota binghamiae/flabellata</i>	<i>Ocenebra circumtexta</i>
<i>Egregia menziesii</i>	<i>Osmundea sinicola</i>
Encrusting coralline	<i>Pachygrapsus crassipes</i>
<i>Endocladia muricata</i>	<i>Pagurus hirsutiusculus</i>
<i>Erythroglossum californicum</i>	<i>Pagurus samuelis</i>
<i>Farlowia/Pikea</i> spp	<i>Petrocelis</i> spp
<i>Fissurella volcano</i>	<i>Petrospongium rugosum</i>
<i>Gastroclonium subarticulatum</i>	<i>Phragmatopoma californica</i>
<i>Gelidium coulteri</i>	<i>Phyllospadix scouleri</i>
<i>Herposiphonia littoralis</i>	<i>Phyllospadix torreyi</i>
<i>Herposiphonia verticillata</i>	<i>Plocamium cartilagineum</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Pogonophorella californica</i>
<i>Homalopoma baculum/luridum</i>	<i>Pollicipes polymerus</i>

*Polysiphonia spp*  
*Porphyra spp*  
*Prionitis lanceolata*  
*Pseudolithoderma nigra*  
*Pterocladia capillacea*  
*Pterosiphonia dendroidea/pennata*  
*Pterothamnion spp*  
*Pugettia producta*  
*Ralfsiaceae*  
*Rhodymenia pacifica*  
*Sargassum muticum*  
*Sculpin*

*Scytosiphon spp*  
*Silvetia compressa*  
*Sorella delicatula*  
*Spirorbis spp*  
*Strongylocentrotus franciscanus*  
*Strongylocentrotus purpuratus*  
*Tegula eiseni*  
*Tegula funebris*  
*Tetraclita rubescens*  
*Tiffaniella snyderiae*  
*Ulva spp*

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**Thousand Springs, San Nicolas Island, California**  
**February 15, 2007**

Species list

<i>Acrosorium ciliolatum</i>	<i>Lacuna</i> spp
<i>Alia</i> spp	<i>Laurencia pacifica/masonii</i>
<i>Amphissa versicolor</i>	<i>Lepidochitona dentiens</i>
<i>Anthopleura elegantissima</i>	<i>Lepidochitona hartwegii</i>
<i>Anthopleura sola</i>	<i>Leucilla nuttingi</i>
<i>Balanus glandula</i>	<i>Lirularia/Margarites</i> spp
blue green algae	<i>Littorina keenae</i>
<i>Bossiella</i> spp	<i>Littorina plena/scutulata</i>
<i>Brachidontes/septifer</i> spp	<i>Lottia austrodigitalis/digitalis</i>
<i>Bryopsis</i> spp	<i>Lottia limatula</i>
<i>Calliarthron</i> spp	<i>Lottia paradigitalis/strigatella</i>
<i>Cancer antennarius</i>	<i>Lottia pelta</i>
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Lottia scabra/conus</i>
<i>Chondracanthus canaliculatus</i>	<i>Mastocarpus papillatus</i>
<i>Chondracanthus spinosus</i>	<i>Mazzaella affinis</i>
<i>Chthamalus</i> spp	<i>Mazzaella leptorhynchos</i>
<i>Cladophora columbiana</i>	<i>Mopalia</i> spp
<i>Cladophora graminea</i>	<i>Mytilus californianus</i>
<i>Colpomenia/Leathesia</i> spp	<i>Norrisia norrisi</i>
<i>Corallina</i> spp	<i>Nucella emarginata/ostrina</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Nuttallina</i> spp
<i>Dasya binghamiae</i>	<i>Ocenebra circumtexta</i>
diatoms	<i>Ophiuroid</i>
<i>Diaulula sandiegensis</i>	<i>Osmundea sinicola</i>
<i>Didemnum</i> spp	<i>Pachygrapsus crassipes</i>
encrusting coralline	<i>Pagurus granosimanus</i>
<i>Endocladia muricata</i>	<i>Pagurus hirsutiusculus</i>
<i>Erythrophyllum delesserioides</i>	<i>Pagurus samuelis</i>
<i>Farlowia/pikea</i> spp	<i>Pelvetiopsis</i> spp
<i>Fissurella volcano</i>	<i>Petrocelis</i> spp
<i>Gastroclonium subarticulatum</i>	<i>Petrospongium rugosum</i>
<i>Gelidium coulteri</i>	<i>Phragmatopoma californica</i>
<i>Gelidium pusillum</i>	<i>Phyllospadix scouleri</i>
<i>Haliptylon gracile</i>	<i>Phyllospadix torreyi</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Pista</i> spp

*Pollicipes polymerus*  
*Polysiphonia* spp  
*Prionitis lanceolata*  
*Pseudolithoderma nigra*  
*Pterosiphonia dendroidea/pennata*  
*Pugettia producta*  
*Ralfsiaceae*  
*Rhodymenia pacifica*  
*Scytosiphon* spp  
*Silvetia compressa*  
SNI limpet  
*Sorella delicatula*  
*Spirobranchus spinosus*  
*Spirorbis* spp  
*Strongylocentrotus purpuratus*  
*Tegula funebris*  
*Tetraclita rubescens*  
*Ulva* spp