

**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>

**Shell Beach, San Luis Obispo Co**  
**March 23, 2001**  
Species list:

<i>Acanthinucella</i> spp	<i>Lottia scabra/conus</i>
<i>Alia</i> spp	<i>Lottia scutum</i>
<i>Anthopleura sola</i>	<i>Mastocarpus jardinii</i>
<i>Balanus glandula</i>	<i>Mastocarpus papillatus</i>
Blue green algae	<i>Mazzaella affinis</i>
<i>Bossiella</i> spp	<i>Mazzaella leptorhynchus</i>
<i>Brachidontes/Septifer</i> spp	<i>Mazzaella</i> spp
<i>Calliarthron</i> spp	<i>Microcladia coulteri</i>
<i>Callithamnion pikeanum</i>	<i>Mytilus californianus</i>
<i>Centroceras/Ceramium/Polysiphonia</i> spp	<i>Neorhodomela larix</i>
<i>Chondracanthus canaliculatus</i>	<i>Neorhodomela oregona</i>
<i>Chthamalus</i> spp	<i>Nuttallina</i> spp
<i>Cladophora columbiana</i>	<i>Ocenebra circumtexta</i>
<i>Corallina</i> spp	<i>Ophlitaspongia pennata</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Osmundea spectabilis</i>
<i>Cryptosiphonia woodii</i>	<i>Pachygrapsus crassipes</i>
<i>Dasya binghamiae</i>	<i>Pagurus granosimanus</i>
<i>Dasya</i> spp	<i>Pagurus hirsutiusculus</i>
<i>Egregia menziesii</i>	<i>Pagurus samuelis</i>
Encrusting coralline	<i>Petrocelis</i> spp
<i>Endocladia muricata</i>	<i>Petrospongium rugosum</i>
<i>Erythroglossum californicum</i>	<i>Phragmatopoma californica</i>
<i>Farlowia mollis</i>	<i>Phyllospadix scouleri</i>
<i>Gastroclonium subarticulatum</i>	<i>Phyllospadix torreyi</i>
<i>Gelidium</i> spp	<i>Pisaster ochraceus</i>
<i>Gracilariopsis andersonii/papenfussii</i>	<i>Pollicipes polymerus</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Porphyra</i> spp
<i>Lacuna</i> spp	<i>Prionitis lanceolata</i>
<i>Laminaria sinclairii</i>	<i>Prionitis lyallii</i>
<i>Lepidochitona hartwegii</i>	<i>Pterosiphonia dendroidea/pennata</i>
<i>Littorina keenae</i>	<i>Pugettia gracilis/richii</i>
<i>Littorina plena/scutulata</i>	Ralfsiaceae
<i>Lottia austrodigitalis/digitalis</i>	<i>Serpula vermicularis</i>
<i>Lottia limatula</i>	<i>Silvetia compressa</i>
<i>Lottia paradigitalis/strigatella</i>	<i>Strongylocentrotus purpuratus</i>
<i>Lottia pelta</i>	<i>Tegula brunnea</i>

*Tegula funebris*  
*Tetraclita rubescens*  
*Ulva* spp

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**Shell Beach, San Luis Obispo Co**  
**March 23, 2006**  
Species list:

<i>Acanthinucella</i> spp	<i>Lottia scabra/conus</i>
<i>Alia</i> spp	<i>Mastocarpus jardinii</i>
<i>Anthopleura sola</i>	<i>Mastocarpus papillatus</i>
<i>Balanus glandula</i>	<i>Mazzaella affinis</i>
Blue green algae	<i>Mazzaella leptorhynchos</i>
<i>Bossiella</i> spp	<i>Mazzaella</i> spp
<i>Brachidontes/Septifer</i> spp	<i>Mopalia</i> spp
<i>Calliarthron</i> spp	<i>Mytilus californianus</i>
<i>Callithamnion pikeanum</i>	<i>Neorhodomela larix</i>
<i>Cancer antennarius</i>	<i>Nuttallina</i> spp
<i>Centroceras/Ceramium/Corallophila</i> spp	<i>Ocenebra circumtexta</i>
<i>Chondracanthus canaliculatus</i>	<i>Ophlitaspongia pennata</i>
<i>Chthamalus</i> spp	<i>Pachygrapsus crassipes</i>
<i>Cirolana</i> spp	<i>Pagurus granosimanus</i>
<i>Corallina</i> spp	<i>Pagurus hirsutiusculus</i>
<i>Cryptopleura/Hymenena</i> spp	<i>Pagurus samuelis</i>
Diatoms	<i>Petrocelis</i> spp
Encrusting coralline	<i>Petrospongium rugosum</i>
<i>Endocladia muricata</i>	<i>Phaeostrophion irregulare</i>
<i>Erythrophyllum delesserioides</i>	<i>Phragmatopoma californica</i>
<i>Fissurella volcano</i>	<i>Phyllospadix scouleri</i>
<i>Gastroclonium subarticulatum</i>	<i>Phyllospadix torreyi</i>
<i>Gelidium coulteri</i>	<i>Pisaster ochraceus</i>
<i>Gelidium pusillum</i>	<i>Plocamium cartilagineum</i>
<i>Hildenbrandia/Peyssonnelia</i> spp	<i>Pollicipes polymerus</i>
<i>Lacuna</i> spp	<i>Polysiphonia</i> spp
<i>Lepidochitona hartwegii</i>	<i>Prionitis lanceolata</i>
<i>Leptasterias</i> spp	<i>Pseudolithoderma nigra</i>
<i>Littorina keenae</i>	<i>Pugettia producta</i>
<i>Littorina plena/scutulata</i>	Ralfsiaceae
<i>Lottia austrodigitalis/digitalis</i>	Shrimp
<i>Lottia limatula</i>	<i>Silvetia compressa</i>
<i>Lottia paradigmatis/strigatella</i>	<i>Strongylocentrotus purpuratus</i>
<i>Lottia pelta</i>	<i>Tegula funebris</i>