**ROCKY INTERTIDAL FIELD TRIP – Corona del Mar**

**INVERTEBRATE LIST:**

**ANEMONES**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Aggregating Anemone  377865508_e648176884 | *Anthopleura elegantissma* | Mid/Low | Many small anemones clustered together; pale green tentacles with pink or purple tips |
| Giant Green Anemone  giantgreenanemone | *Anthopleura xanthogrammica* | Low | Solitary and large; emerald green |

**WORMS**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Sand-Castle Worm  Sandcastlea | *Phragmatopoma californica* | Low | Tubes made of sand; tubes form honeycomb shape; lavender tentacles |
| Sandy Worm Shell  WormSnail1 | *Serpulorbis squamigerus* | Low | Tube circular, with many longitudinal, finely roughened or scaly ridges |

**SNAILS:**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Checkered periwinkle  Periwinkle1 | *Littorina scutulata* | High/Mid | Shell: small, smooth, conical, brownish to nearly black, more elongate than *L. keenae* |
| Eroded periwinkle  1418 | *Littorina kennae* | High | Shell: small, smooth, conical, brownish to nearly black, stubbier than *L. scutulata* |
| Black Turban Snail  black_turban_snail | *Tegula funebralis* | Mid/Low | Shell: mostly black w/ etched band on middle whorl |
| Speckled Turban Snail  Tgallina1 | *Tegula gallina* | Mid/Low | Shell: dark w/ checkered pattern |
| Guilded Turban Snail  teau | *Tegula aureontincta* | Mid/Low | Shell: larger w/ orange umbilicus (hole) |
| Beaded Turban Snail  teei | *Tegula eiseni* | Mid/Low | Shell: smaller w/ white umbilicus (hole) |
| Wavy Turban Snail  Astraea3 | *Lithopoma undosa* | Low | Shell: large, wavy pattern, brown & white |
| Norris’ Top Snail  norissnail | *Norrisia norrisi* | Low | Shell: smooth, orange w/ green umbilicus (hole); bright red foot |
| California Sea Hare  SeaHare1 | *Aplysia californica* | Low | No shell, purple color, in tide pools or within red algae |
| Hopkin’s Rose  hopkins_rose_nudibranch | *Hopkinsia rosacea* | Low | No shell, deep rosy pink w/ finger-like projections covering body |

**LIMPETS**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Rough Limpet  Rough2 | *Lottia scabra* | High/Mid | Shell: low apex (point), heavily ribbed with scalloped margin; dark dots on side of foot |
| Shield Limpet  Lottia pelta | *Lottia pelta* | Mid/Low | Shell: tall apex, smooth; white foot |
| Owl Limpet  OwlLimpet1 | *Lottia gigantea* | Mid | Shell: largest of the limpets, low apex near front; light orange foot |
| File Limpet  KelpLimp2 | *Lottia limatula* | Mid/Low | Shell: low apex, fine, radial ribs; fine parallel dark lines on side of foot |
| Fingered Limpet  http://www.martinbeebee.com/photos/marine_invertebrates/im1028s.jpg | *Lottia digitalis* | High | Shell: apex at front, strong, radiating ribs, chevron patterns |
| Volcano Limpet  fissurella_volcano | *Fissurella volcano* | Mid/Low | Shell: small in size, hole in apex, red stripes |
| Giant Keyhole Limpet  **California+Feb+2006+043** | *Megathura crenulata* | Low | Shell: large in size, hole in apex, large, black foot |

**MUSSELS**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| California Mussel  Mytilus1a | *Mytilus californianus* | Mid | Blue/black streaked with brown; ridges |
| Mediterranean Mussel  mytilus | *Mytilus galloprovincialis* | Mid | Dark blue; triangular shell; smaller and smoother than California Mussel |

**OCTOPUS:**

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| Two-spotted Octopus  [http://jaffeweb.ucsd.edu/pages/projects/Jillian%20Lai/two%20spotted%20octopus%20page.htm](http://www.google.com/imgres?imgurl=http://jaffeweb.ucsd.edu/pages/projects/Jillian%20Lai/two%20spotted%20octopus%20page_files/image005.jpg&imgrefurl=http://jaffeweb.ucsd.edu/pages/projects/Jillian%20Lai/two%20spotted%20octopus%20page.htm&h=220&w=310&sz=17&tbnid=W9i7pDABlmcJ::&tbnh=83&tbnw=117&prev=/images?q%3Dtwo%2Bspotted%2Boctopus&hl=en&usg=__f9PP77Pq7oH3C4EjL2We2MqA5sA=&sa=X&oi=image_result&resnum=1&ct=image&cd=1) | *Octopus bimaculoides* | Low | Two blue, eyelike spots on the web just below the eyes give this octopus its name. |

**CHITONS**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Spiny Chiton  Chiton1 | *Nuttallina sp.* | Mid | Black/dark brown w/ white stripes; girdle has bristles |
| Hartweg’s Chiton  [Image](http://biology.fullerton.edu/biol317/ftm/ft_s06_RanchoMarino_2_06.html#row33) | *Lepidochitona hartwegii* | Mid (under algae) | Olive green with brown stripes; girdle is banded and smooth |

**CRABS**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Blueband Hermit Crab  DSCF0041b | *Pagurus samuelis* | Mid (in tidepools) | Bright blue bands circle walking legs. Red antennae |
| Hairy Hermit Crab  DSCF0039 | *Pagurus hirsutiuculus* | Mid (in tidepools) | White bands on walking legs; brown antennae with bands |
| Striped Shore Crab:  DSCF0037a | *Pachygrapsus crassipes* | High/Mid | Reddish purple with green and black stripes across front |

**BARNACLES:**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Little Brown Barnacle  (small acorn barnacles)  Chthamhabitat | *Chthamalus dalli*  *Chthamalus fissus* | High | Smooth round margin. Smooth brownish plates  Irregular margin. White plates. Rough |
| Large Acorn Barnacle  DSCF0015a | *Balanus glandula* | High/Mid | Larger in size than *Chthamalus* |
| Red Thatched Barnacle  Tetraclita | *Tetraclita rubescens* | Mid/Low | Brick red and volcano shaped; ridged or thatched in appearance |
| Gooseneck Barnacle  Goose | *Pollicipes polymerus* | Mid/Low | Stalked with white plates |

**SEASTARS & SEA URCHINS**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Ochre Seastar  DSCF0032b | *Pisaster ochraceus* | Low | Can be purple, orange, or brownish red; 5 arms |
| Banded Brittle star  Brittle1 | *Ophionereis annulata* | Low/  under rocks | Gray to light brown with dark rings circling each arm |
| Purple Sea Urchin  PurpleUrchin5 | *Strongylocentrotus* *purpuratus* | Low | Purple with short spines |
| Red Sea Urchin  DSCF0022b | *Strongylocentrotus franciscanus* | Low | Red with longer spines |

**Vertebrate List**

**Fish**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** | **DESCRIPTION** |
| Tidepool Sculpin  Tidepool%20Sculpin | *Oligocottus masculosus* | Low | Brown to green or reddish on dorsal side |
| Opaleye  Opaleye | Girella nigricans | Low | Brownish green with two white dots on their back |

**ALGAE LIST:**

**GREEN ALGAE**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** |
| Sea Lettuce  photo of sea lettuce | *Ulva. sp.* | Mid |
| Sea Staghorn (Dead Man’s Fingers)  http://www.beachwatchers.wsu.edu/ezidweb/seaweeds/images/codiumfragile.jpg | *Codium fragile* | Low |

**BROWN ALGAE**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** |
| Sea Cauliflower  photo of the seaweed known as sea cauliflower | *Leathesia difformis* | Mid |
| Banded Tidepool Fan  [ladiving > Zonaria farlowii; photo by Debbie Karimoto](http://ladiving.smugmug.com/gallery/5747704_dk57e/1/355240575_uEjnA/Large) | *Zonaria farlowii* | Low |
| Feather Boa Kelp  image of a Feather Boa Kelp | *Egregia menziesii* | Low |
| Double Pompom Kelp (Southern Sea Palm)  ladiving > Southern sea palm; Eisenia arborea; photo by Debbie Karimoto | *Eisenia arborea* | Low |
| Spindle-Shaped Rockweed  deliquescens | *Pelvetia fastigiata* (old name); *Silvetia compressa* (current name) | Mid |
| Sargassum  133_3348 | *Sargassum muticum* | Low |

**RED ALGAE**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** |
| Encrusting Coralline Algae  Phycal | *Lithothamnion sp.* | Mid/Low |
| Stone Hair | *Lithothrix aspergillum* | MidLow |
| Tidepool Coralline Algae  o_coroff | *Corallina chilensis* | Mid/Low |
| Nail Brush Seaweed  [Endocladia muricata](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0208+1864) | *Endocladia muricata* | High |

**FLOWERING PLANTS LIST:**

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| **COMMON NAME** | **SCIENTIFIC NAME** | **ZONE** |
| Surf-Grass  2534307554_44955a11d6 | *Phyllospadix sp.* | Low |