

1974
late/season 7

A PARTIAL SPECIES LIST FOR ALCATRAZ ISLAND

COMPILED BY

JOHN INASE, SARA CONKLIN AND LYNN PRESTON

	Organism	Ecology
Phylum Porifera - (Sponges)	unidentified yellow sponge	under rocks - zone 4
	unidentified pink sponge	under rocks - zone 4
Phylum Coelenterata		
Class Hydrozoa - (Hydroids)	<u>Abietinaria sp.</u>	attached to rocks zone 4
Class Anthozoa	Burrowing Anemone	in mud and on rocks
	<u>Anthopleura artemisia</u> (Pickering in Dana)	zone 2
	Giant Green Anemone	zone 3 and 4 - several
	<u>Anthopleura xanthogrammica</u> (Brandt)	specimens found on rocks and in tidepools
	Aggregating Anemone	on rocks and in tide-
	<u>Anthopleura elegantissima</u> (Brandt)	pools - zone 2 & 3
	Proliferating Anemone	on rocks- zone 4
	<u>Epiactis prolifera</u> (Verrill)	
	<u>Metridium senile</u> (Linnaeus)	these anemone were seen on the pier pilings at minus tides - zone 4
Phylum Platyhelminthes - (Flatworms)	<u>Notoplana sp.</u>	under rocks - zone 3
Phylum Annelida		
Class Polychaeta -	<u>Halosynda brevisetosa</u> (Kinberg)	crawling under rocks zones 3 & 4
	Clam worm	under rocks in mud
	<u>Nereis vexillosa</u> (Grube)	zones 3 & 4
Phylum Mollusca		
Class Amphineura - (Chitons)	<u>Cyanoplax dentiens</u> (Gould)	under rocks, crawling zones 3 & 4
	<u>Mopalia lignosa</u> (Gould)	"
	<u>Mopalia hindsii</u> (Reeve)	"

	Organism	Ecology
Phylum Mollusca		
Class Amphineura -- (con't)	<u>Cyanoplax hartwegii</u> (Carpenter)	under rocks, crawling zone 3 & 4
Class Pelecypoda (Bivalves)		
	Bay Mussel <u>Mytilus edulis</u> (Linnaeus)	on & under rocks, most specimens under 1 inch zones 2 & 3
	California Sea Mussel <u>Mytilus californianus</u> (Conrad)	shell found on reef living specimen found on NNW side of island
	Flat Tipped Piddock <u>Penitella penita</u> (Conrad)	boring in sandstone rocks - zone 4
	Rock Entodesma <u>Entodesma saxicola</u> (Baird)	in sandstone rocks zone 3
	Thin Shelled Littleneck <u>Callithaca (Protothaca)</u> <u>tenerrima</u>	among algae and rocks zone 4
Class Gastropoda -		
	Angular Unicorn <u>Acanthina spirata</u> (Blainville)	on rocks - preying on barnacles - zones 2,3 & 4
	Friiled Dogwinkle <u>Thais lamellosa</u> (Gmelin)	on rocks, eggs also seen on rocks - zones 2,3 & 4
	Black Turban Snail <u>Tegula funebris</u> (Adams)	one specimen found among rocks - zone 2
	Checkered Periwinkle <u>Littorina scutulata</u> (Gould)	rocks and algae zones 1,2 & 3
	Dove Shell <u>Mitrella carinata</u> (Hinds)	on and under rocks zones 2, 3 & 4
	<u>Notoacmea (Acmaea) persona</u> (Ratke)	on rocks - zone 2, 3 & 4
	<u>Notoacmea (Acmaea) scutum</u> (Ratke)	on rocks - zone 2 & 3
	Rough Limpet <u>Collisella (Acmaea) scabra</u> (Gould)	on rocks - zones 1 & 2

Phylum Mollusca

Class Gastropoda -
(cont)

Finger Limpet
Collisella (Acmaea)
digitalis (Rathke)

on rocks - zones 1 & 2

Shield Limpet
Collisella (Acmaea) scutum
(Rathke)

on rocks zones 2 &
3

Nudibranchs
(Sea Slugs)

Laila cockerelli
(MacFarland)

in zone 2 tidepool

Hermisenda crassicornis
(Eschscholtz)

on algae- zone 3

Dendronotus sp.

on specimen found in
zone 3 tidepool

Phylum Arthropoda

Superclass Crustacea

Class Cirripedia - White Buckshot Barnacle
Balanus glandula (Darwin)

on rocks- zones 1,
2 & 3

Goose Barnacle
Pollicipes polymerus
(Sowerby)

on rocks- zone 2

Class Malacostraca

Subclass Pericarida

Order Amphipoda - Many Unidentified Amphipods
Collected

on algae and rocks
zones 2, 3 & 4

Order Isopoda -

Rock Louse
Ligia occidentalis (Dana)

among rocks of
zone 1

Flat Tailed Isopod
Idothea urotoma (Stimpson)

under rocks and
among algae- zone 2,
3 & 4

Ianiropsis kincaidi
kincaidi (Richardson)

among bushy bryozoan
colonies and among algae
zones 2 and 3

Gnorimosphaeroma
oregonensis (Dana)

under rocks and on algae
zones 2, 3 & 4

	Organism	Ecology
Phylum Arthropoda		
Superclass Crustacea		
Class Malacostraca		
Subclass Eucarida		
Order Decapoda		
Tribe Brachyura -	Spotted Commercial Crab <u>Cancer antennarius</u> (Stimpson)	among rocks zones 3 & 4
	Large Red Crab <u>Cancer productus</u> (Randall)	"
	Purple Shore Crab <u>Hemigrapsus nudus</u> (Dana)	very common all over reef, under rocks - most crabs found in zone 2 & 3
	Mud Flat Crab <u>Hemigrapsus oregonensis</u> (Dana)	under rocks, not as common as <u>H.</u> <u>nudus</u> - zones 2 & 3
	<u>Lophopanopeus leucomanus</u> <u>heathii</u> (Rathburn)	one specimen found among rocks of zone 4
	Lined Shore Crab <u>Pachygrapsus crassipes</u> (Randall)	Among rocks - zones 1 & 2
	Kelp Crab <u>Pugettia producta</u> (Randall)	among <u>Egagia</u> and rocks of zone 4
Tribe Anomura	Blue Banded Hermit Crab <u>Pagurus samuelis</u> (Stimpson)	zones 2, 3 and 4 among and under rocks
	Big Clawed Porcelain Crab <u>Pachycheles rudis</u> (Stimpson)	under and on rocks zone 4
Phylum Ectoprocta (Bryozoans)		
Class Gynolaemata		
Order Cheilostomata	<u>Scrupocellaria californica</u> Trask	under rocks zone 4
	<u>Bugula pugeti</u> (Robertson)	under and on rocks zone 4

	Organism	Ecology
Phylum Ectoprocta		
Class Gymnolaemata		
Order Cheilostomata - (con't)	<u>Bugula californica</u> (Robertson)	under and on rocks zone 4
	<u>Cellepora</u> (Hippothoa) <u>hyalina</u> (Linnaeus)	on rocks and algae zones 3 & 4
Phylum Echinodermata		
Class Ophiuroidea -	Brittle Starfish <u>Ophionereis eurybrachyplax</u> (Clark)	under rocks - two specimens collected from zone 4
Class Asteroidea	Small Spined Starfish <u>Piaster brevispinus</u> (Stimpson)	on rocks - zones 3 & 4
	Ocher Starfish <u>Piaster ochraceus</u> (Brandt)	very common on the reef - zones 2,3 & 4
Phylum Chordata		
Subphylum Urochordata (Tunicates or Sea Squirts)	Long Stalked Sea Squirt on rocks - zone 4 <u>Styela montereyensis</u> (Dall)	
Subphylum Vertebrata		
Class Pisces - (Fishes)	Fluffy Sculpin <u>Oligocottus synderi</u>	in tidepools- zones 2 & 3
	Northern Clingfish <u>Gobiesox maeandricus</u>	clinging to rock zone 4
	California tonguefish <u>Symphurus atricauda</u>	on kelp, stranded on reef - zone 4
	High Cockscomb <u>Anoplarchus purpureus</u>	under rock - zone 4
Algae found on the reef includes <u>Fucus</u> , <u>Egregia</u> , <u>Ulva</u> , <u>Iridea</u> , <u>Coralli</u> <u>Polyneura</u> , <u>Entereomorpha</u> , <u>Gigartina</u> and <u>Porphyra</u> .		

Zones 1, 2, 3 and 4 refer to intertidal zonation of the area. T zones used are defined by Ricketts, Calvin and Hedgepeth in Between Pa
ific Tides (1968).

It should be stress that the above list is incomplete. More co

lection and identification will expand the length of the list.

Identification was hampered by a lack of a dissecting scope. Use of a hand magnifier and a dissecting scope at the J. D. Randall Museum helped identify some small organisms. Identification was difficult because we lack up to date keys for some groups of organisms. (Amphipods and Polychaetes)

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