

## Zone 29

Shore		south
Total Surveys		43
Start Point		Seldovia Point (Seldovia Bay)
End Point	Start Lat/Long	west base of Point Naskowhak spit
Dates Walked	End Lat/Long	1987-89, 91, 96, 2000-01
Spring Surveys		35
Fall Surveys		7
First Walked		1987
Last Walked		2010
Total Person-Hours		447
Total Trash Bags Collected		25
Total Estimated Weight of Trash Collected		0

### General Info

	26-Apr-87	25-Apr-87	#####	18-Sep-01
Date	26-Apr-87	25-Apr-87	#####	18-Sep-01
Subzone	9, 10	11, 12	25	25
Start Time			845	845
End Time			1115	1115
Lowest Tide				
Temperature (F)	<b>at time</b>			40
Sky	snowing		cloudy	cloudy
Vertical Zones Walked:				
High	x	x		x
Middle	x	x		x
Low	x	x	x	x
# of Observers	1	3	2	34
Hours Spent	2	3	2.5	2.5
Person-Hours	2	9	5	85
Shoreline Walked (miles)	3	3	1	
Total Trip Mileage				
Did Observers . . .				
Hike?	x	x		x
Kayak?				
Other (specify)?			car	car
Trash Bags Collected				
Estimated Weight of Collected Trash				

### Wildlife Birds

Loons	2			1
Sea Ducks		78		20
Other Ducks and Geese	40	51		
Bald Eagles				
Adults	2	2	1	3
Immatures		1		1
Nests	1			1

Shorebirds				
Seabirds	15	92		5
Crows and Ravens		25		1
Others (see separate Bird list)		4		1

**Domestic Mammals**

Cattle				
Horses				
Dogs	1	1	2	2
Other	2	1		

**Land Mammals**

Moose				
			Adults	
			Calves	
Black Bears				
Brown Bears				
Land/River Otters				
Red Squirrels		5		
Tracks Identified	river otter	coyote		dog
Other		3		

**Marine Mammals**

Sea Otters	1	3		5
Harbor Seals		1		1
Steller's Sea Lions				
Harbor Porpoises				
Whales				
			Beluga	
			Orca	
			Minke	
			Humpback	
			Gray	
			Unknown	
Other/Unidentified				

**Please note any unusual wildlife sightings**

River otter trails, moose sign pre:

**Invertebrates**

(from the Intertidal Biodiversity Checklist)

**Please note any interesting observations or changes in abundance here**

Sea lice.

**Sponges**

Breadcrumb Sponge				x
Purple Sponge				x

**Cnidarians**

<b>Anemones</b>		x		
Burrowing Green Anemone				x
Orange Colonial Anemone				x
Frilled (Plumose) Anemone				x
Christmas Anemone				x

<b>Sea Jellies</b>		x	
Moon Jelly			x
Many-ribbed Hydromedusa			
Compass Jelly			
Lion's Mane Jelly			
	<b>Worms</b>		
Giant Flatworm			x
<b>Nemerteans</b>			
Amphiporus (Two-spotted) Ribbon Worm			x
Red Ribbon Worm			x
<b>Echiurans</b>			
Fat Innkeeper (Alaskan Spoonworm)			
<b>Sipunculids</b>			
Peanut Worm			x
<b>Annelids</b>			
Mussel Worm (Clam Worm)			x
Northern Feather Duster Worm (Carpet Worm)			
Cone Worm			x
Calcareous Tube Worm			x
Spiral Tube Worm			x
Scaleworm			
	<b>Brachiopods</b>		
Transverse Lampshell			
	<b>Mollusks</b>		
<b>Chitons</b>			
Gumboot Chiton			x
Black Katy Chiton			x
Brick Chiton			x
Mossy Chiton			x
Tiger Chiton			x
Lined Chiton			x
<b>Limpets</b>		x	
Dunce Cap Limpet			x
Plate Limpet			x
<b>Snails</b>	x	x	
Hairy Triton			x
Sitka Periwinkle			x
Helicina Margarite			x
Puppet Margarite			x
Aleutian Moonsnail			x
Ridged Neptune			x
Channeled Dogwinkle			x
Emarginate Dogwinkle			x
Frilled Dogwinkle			x
File Dogwinkle			x
Big-mouth Whelk			x
<b>Nudibranchs</b>			
Maned Nudibranch			
False Sea Lemon (False Lemon Peel)			x
Orange-tipped Nudibranch			
Opalescent Nudibranch			
Bushy-backed Nudibranch			x

<b>Clams</b>			x	
Nuttall's Cockle			x	x
Northwest Ugly Clam				
Arctic Rock Borer				
Baltic Macoma				
Stained Macoma				
Pacific Surf Clam				x
Truncated Mya				
Steamer Clam (Pacific Littleneck Clam)				x
Butter Clam				x
Razor Clam				x
<b>Mussels</b>	x		x	
Horse Mussel				x
Pacific Blue Mussel				x
<b>Scallops</b>				
Pink Scallop				
<b>Jingles</b>				
Rock Jingle				
<b>Cephalopods</b>				
Giant Pacific Octopus				
Stubby Squid				
	<b>Arthropods</b>			
<b>Barnacles</b>			x	
Acorn Barnacle				x
Pelagic Gooseneck Barnacle				x
Thatched Acorn Barnacle				x
<b>Crabs</b>				
Dungeness Crab				x
Black-clawed Cancer Crab				x
Red Hermit Crab				x
Striped Hermit Crab				x
Decorator Crab				x
Carapace Crab				
Red King Crab				x
Northern Kelp Crab				x
Helmet Crab				x
<b>Shrimp</b>				
Broken-back Shrimp				x
Coonstripe Shrimp				x
Sand Shrimp				x
<b>Isopods</b>				
Pillbug Isopod				x
Rockweek Isopod				x
<b>Amphipods</b>				
Skeleton Shrimp				x
Small Beach Hopper				x
	<b>Echinoderms</b>			
<b>Sea Stars</b>			x	
Little Six-rayed Star				x
Red-banded Star (Rainbow Star)				x
Ochre Star				x
Sunflower Star				x

Morning Sun Star	x
Stimpson's Sun Star	x
Rose Star	x
Leather Star	x
True Star (False Ochre Star, Mottled Star)	x
Blood Star	x

***Brittle Stars***

Serpent Star	x
Daisy Brittle Star	x

***Sea Urchins***

Green Sea Urchin	x
Red Sea Urchin	x

***Sea Cucumbers***

Silky Burrowing Cucumber	x
Orange Cucumber (Red Cucumber)	x
Tar-spot Cucumber (Black Cucumber)	x

***Sand Dollars***

Green-spined Sand Dollar (Northern Sand Dollar)	x
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***Chordates***

***Tunicates***

Colonial Tunicate (Sea Pork)	x
Sea Peach	x

**Seaweeds**

Green Seaweed	Band	x
	Attached	
	Washed Up	x
Red Seaweed	Band	x
	Attached	
	Washed Up	x
Rockweed	Band	x
	Attached	x
	Washed Up	
Kelps	Band	x
	Attached	x
	Washed Up	x
Eelgrass	Band	x
	Attached	
	Washed Up	

**Beach Substrate**

Type	rocky, pebb rocky, pebbles, sand	all
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**Bluff and Cliff Erosion**

Comments	minor; rock minor; 4 rock slide areas
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**Human Activities**

Walking	Signs of Actual observation	1 1
Camping	Signs of Actual observation	3
Partying	Signs of Actual observation	1
Fire Pits	Signs of Actual observation	2
Trash Accumulations	Signs of Actual observation	
Clamming	Signs of Actual observation	
Fishing	Signs of Actual observation	
Coaling	Signs of Actual observation	
Picnicking	Signs of Actual observation	
Horseback Riding	Signs of Actual observation	
Harvesting (specify)	Signs of Actual observation	
Other (specify)	2 summer people Food gathering.	3 (bidarki)

**Vehicle Use**

Cars/Trucks	Sets of tracks Actual observation	3 3
ATVs/Motorcycles	Sets of tracks Actual observation	
Bicycles	Sets of tracks Actual observation	
Aircraft	Sets of tracks Actual observation	9 5
Other (specify)		

**Structures on the Beach**

Buildings	21	5	2
Docks			
Driftwood Structures			10
Riprapped Areas			1
Erosion Control Structures			
Abandoned Vehicles			
Abandoned Boats		1	
	Boat Parts		

**Archaeological Sites**

Shell Middens  
Other (specify)

**Outfalls or Pipes**

Number		2 outhouses	1
Comments			

**Toxic Pollution**

Fuel (oil, gas, etc.)			
Lubricating Oil			x
Paint			
Batteries			

**Trash & Debris**

(from International Coastal Cleanup Data Card)

***Shoreline and Recreational Activities***

Bags (Paper & Plastic)			
Balloons			
Beverage Bottles, plastic, 2-liter or less			
Beverage Bottles, glass			
Beverage Cans			
Caps, Lids			
Clothing, Cloth		2	
Cups, Plates, Forks, Knives, Spoons			
Food Wrappers/Containers			
6-pack Holders			
Pull Tabs			
Shotgun Shells/Wadding			
Straws, Stirrers			
Toys			

***Ocean/Waterway Activities***

Bait Containers/Packaging			
Bleach/Cleaner Bottles			
Buoys/Floats	2		
Crab/Lobster/Fish Traps			
Crates			
Fishing Line	1		
Fishing Lures			

Fishing Nets 1  
Light Bulbs/Tubes  
Oil/Lube Bottles  
Pallets  
Plastic Sheeting/Tarps  
Rope/cable  
Strapping Bands

***Smoking-Related Activities***

Cigarettes/Cigarette Filters  
Cigarette Lighters  
Cigar Tips  
Tobacco Packaging/Wrappers

***Dumping Activities***

Appliances (refrigerators, washers, etc.)  
Batteries  
Building Materials  
Cars/Car Parts  
55-gallon Drums  
Tires 1

***Medical/Personal Hygiene***

Condoms  
Diapers  
Syringes  
Tampons/Tampon Applicators

***Debris Items of Local Concern***

Styrofoam Pieces  
Plastic Pieces  
Paper products  
Metal Pieces  
Other

***Entangled Animals***

Type of Animal  
Form of Entangling Debris  
Comments

***Most Peculiar Item Collected?***

***Comments***

Metal cans Aluminurr Aluminum,

**Additional Observations and Comments**

See map. I would like to be con The beach



7.24 10.9.10

TOTAL

11	20									
2	2									
22	40	0	0	0	0	0	0	0	0	0
2	3									
2	3									

5	5
59	50

0  
23  
308

0  
99  
33

15  
3279  
1401  
70

0  
0  
0  
24

0  
0  
0  
0  
0  
2  
21  
0

0  
91  
4  
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0

sent from time to time, rabbit tracks.



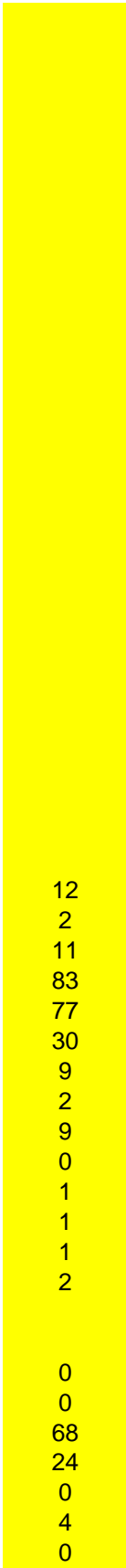






2  
1  
1  
2  
2  
3  
2  
1  
2  
  
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10  
1  
2  
72  
21  
27  
4  
1  
7  
  
1  
1  
  
2



12  
2  
11  
83  
77  
30  
9  
2  
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0  
68  
24  
0  
4  
0

			7
			0
			0
			0
1			3
2			11
			0
3	34		37
			0
			0
	2		2
			0
1			1
3	65		72
1			28
			0
			1
	1		1
	2		2
			0
			0
	15		15
3	29		32
	14		14
3	12		15
	9		9

glass, plastics, styrofoam, vehicle/boat parts all present.

is very clean and has nice tidepools. I saw little trash. (carried out by Janet Shephard's students.)



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