

## Zone 8

Shore	north
Total Surveys	12
Start Point	Central Charters
End Point	Land's End
Dates Walked	1987-88, 91-92, 96, 98, 2000-09
Spring Surveys	7
Fall Surveys	14
First Walked	1987
Last Walked	2009
Total Person-Hours	507.5
Total Trash Bags Collected	95
Total Estimated Weight of Trash Collected	1193

### General Info

	25-Apr-87	30-Apr-88	10.4.2011	9.26.12	09.10.14
Date					
Start Time			13:00		12:25
End Time			14:15		14:10
Lowest Tide					
	<b>at time</b>				
Temperature (F)					
Sky			rain		clouds
Vertical Zones Walked:					
High		x	x		x
Middle	x				x
Low	x	x			x
# of Observers	2	1	2	28	2
Hours Spent	2	1	2	2	2
Person-Hours	4	1	4	56	4
Shoreline Walked (miles)	0.75	0.5	1	2	2
Total Trip Mileage			12.5	2	2
Did Observers . . .					
Hike?	x	x	x	x	x
Kayak?					
Other (specify)?					
Trash Bags Collected			1	9	1
Estimated Weight of Collected Trash (lbs)			10	210	15

### Wildlife Birds

Loons	
Sea Ducks	11                      25
Other Ducks and Geese	
Bald Eagles	
Adults	9
Immatures	7
Nests	
Shorebirds	1

Seabirds	45	17	30
Crows and Ravens	12	2	
Others (see separate Bird list)			2

***Domestic Mammals***

Cattle			
Horses			
Dogs	2		
Other			

***Land Mammals***

Moose		Adults	
		Calves	
Black Bears			
Brown Bears			
Land/River Otters			
Red Squirrels			
Tracks Identified			
Other			

***Marine Mammals***

Sea Otters			
Harbor Seals	4		
Steller's Sea Lions			
Harbor Porpoises			
Whales			
		Beluga	
		Orca	
		Minke	
		Humpback	
		Gray	
		Unknown	
Other/Unidentified	2		

***Please note any unusual wildlife sightings***

fish and dogfish bones

**Invertebrates**

*(from the Intertidal Biodiversity Checklist)*

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

***Sponges***

- Breadcrumb Sponge
- Purple Sponge

***Cnidarians***

***Anemones***

- Burrowing Green Anemone
- Orange Colonial Anemone
- Frilled (Plumose) Anemone
- Christmas Anemone

***Sea Jellies***

Moon Jelly  
Many-ribbed Hydromedusa  
Compass Jelly  
Lion's Mane Jelly

### ***Worms***

Giant Flatworm

#### ***Nemertean***

Amphiporus (Two-spotted) Ribbon Worm

Red Ribbon Worm

#### ***Echiurans***

Fat Innkeeper (Alaskan Spoonworm)

#### ***Sipunculids***

Peanut Worm

#### ***Annelids***

Mussel Worm (Clam Worm)

Northern Feather Duster Worm (Carpet Worm)

Cone Worm

Calcareous Tube Worm

Spiral Tube Worm

Scaleworm

### ***Brachiopods***

Transverse Lampshell

### ***Mollusks***

#### ***Chitons***

Gumboot Chiton

Black Katy Chiton

Brick Chiton

Mossy Chiton

Tiger Chiton

Lined Chiton

#### ***Limpets***

Dunce Cap Limpet

Plate Limpet

#### ***Snails***

Hairy Triton

Sitka Periwinkle

Helicina Margarite

Puppet Margarite

Aleutian Moonsnail

Ridged Neptune

Channeled Dogwinkle

Emarginate Dogwinkle

Friiled Dogwinkle

File Dogwinkle

Big-mouth Whelk

#### ***Nudibranchs***

Maned Nudibranch

False Sea Lemon (False Lemon Peel)

Orange-tipped Nudibranch

Opalescent Nudibranch

Bushy-backed Nudibranch

#### ***Clams***

Nuttal's Cockle  
Northwest Ugly Clam  
Arctic Rock Borer  
Baltic Macoma  
Stained Macoma  
Pacific Surf Clam  
Truncated Mya  
Steamer Clam (Pacific Littleneck Clam)  
Butter Clam  
Razor Clam

**Mussels**

x

Horse Mussel  
Pacific Blue Mussel

**Scallops**

Pink Scallop

**Jingles**

Rock Jingle

**Cephalopods**

Giant Pacific Octopus  
Stubby Squid

**Arthropods**

**Barnacles**

x

Acorn Barnacle  
Pelagic Gooseneck Barnacle  
Thatched Acorn Barnacle

**Crabs**

Dungeness Crab  
Black-clawed Cancer Crab  
Red Hermit Crab  
Striped Hermit Crab  
Decorator Crab  
Carapace Crab  
Red King Crab  
Northern Kelp Crab  
Helmet Crab

**Shrimp**

Broken-back Shrimp  
Coonstripe Shrimp  
Sand Shrimp

**Isopods**

Pillbug Isopod  
Rockweek Isopod

**Amphipods**

Skeleton Shrimp  
Small Beach Hopper

**Echinoderms**

**Sea Stars**

x

Little Six-rayed Star  
Red-banded Star (Rainbow Star)  
Ochre Star  
Sunflower Star  
Morning Sun Star

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

**Brittle Stars**

Serpent Star  
 Daisy Brittle Star

**Sea Urchins**

Green Sea Urchin x  
 Red Sea Urchin

**Sea Cucumbers**

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

**Sand Dollars**

Green-spined Sand Dollar (Northern Sand Dollar)

**Chordates**

**Tunicates**

Colonial Tunicate (Sea Pork)  
 Sea Peach

**Seaweeds**

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

**Beach Substrate**

Type rocky, sandy cobble

**Bluff and Cliff Erosion**

Comments

**Human Activities**

Walking	Signs of Actual observation	20	1 16	1	6
Camping	Signs of Actual observation	7			
Partying	Signs of Actual observation				6-Jan
Fire Pits	Signs of Actual observation				
Trash Accumulations	Signs of Actual observation				
Clamming	Signs of Actual observation				
Fishing	Signs of Actual observation			1	1
Coaling	Signs of Actual observation	2	1		
Picnicking	Signs of Actual observation				
Horseback Riding	Signs of Actual observation				
Harvesting (specify)	Signs of Actual observation				
Other (specify)	Signs of Actual observation				

**Vehicle Use**

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

**Structures on the Beach**

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

**Archaeological Sites**

Shell Middens  
Other (specify)

**Outfalls or Pipes**

Number  
Comments

**Toxic Pollution**

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

**Trash & Debris**

(from International Coastal Cleanup Data Card)

***Shoreline and Recreational Activities***

Bags (Paper & Plastic)		7	18	5
Balloons				
Beverage Bottles, plastic, 2-liter or less		12	13	10
Beverage Bottles, glass		2	30	
Beverage Cans	5	8	25	17
Caps, Lids		10	19	14
Clothing, Cloth		1	4	5
Cups, Plates, Forks, Knives, Spoons		8	3	8
Food Wrappers/Containers		18	44	12
6-pack Holders			5	
Pull Tabs		1		
Shotgun Shells/Wadding		2	12	1
Straws, Stirrers		4	8	
Toys	1	3	3	

***Ocean/Waterway Activities***

Bait Containers/Packaging		1	1	
Bleach/Cleaner Bottles				
Buoys/Floats			2	1
Crab/Lobster/Fish Traps				
Crates				
Fishing Line		4	3	1
Fishing Lures/Light Sticks				
Fishing Nets			3	2

Light Bulbs/Tubes			2	
Oil/Lube Bottles			2	
Pallets			2	
Plastic Sheeting/Tarps			5	
Rope/Cable	7	2	11	6
Strapping Bands			6	4

***Smoking-Related Activities***

Cigarettes/Cigarette Filters			120	27
Cigarette Lighters			2	1
Cigar Tips				1
Tobacco Packaging/Wrappers			3	5

***Dumping Activities***

Appliances (refrigerators, washers, etc.)				
Batteries				
Building Materials		7		8
Cars/Car Parts				
55-gallon Drums				
Tires	1			2

***Medical/Personal Hygiene***

Condoms				
Diapers				1
Syringes				
Tampons/Tampon Applicators				

***Debris Items of Local Concern***

Styrofoam Pieces		31	280	207
Plastic Pieces			118	19
Paper products			20	
Metal Pieces			8	
<b>Clothing</b>				6
Other				

***Entangled Animals***

Type of Animal  
Form of Entangling Debris  
Comments

***Most Peculiar Item Collected?***

styrofoam                      shotgun sh

***Comments***

Glass, metal, plastics, styrofoam also present

**Additional Observations and Comments**

beach looked quite clean, major c



59°36'10"N

151°25'33" W

WHE Daigle  
09.20.15 10.11.17  
1:30 9:30  
4:30 0:00  
6.9 -0.4  
1:20 0:51  
50 48.00  
sun Clouds  
high  
1  
x  
x  
2 31  
3 1.5  
6 46.5  
2 0.5  
4 1  
1  
walk  
1 11  
15 135 lb 4 oz

3

8  
69  
0

25  
23  
2  
41

			858
			122
8	10 Scooters		120
			0
			0
5	1		37
			0
			0
			0
			0
			0
			0
			0
			11
1			17
			2
			0
			0
			0
5			5
			0
			0
			3





cobble

2

2

1

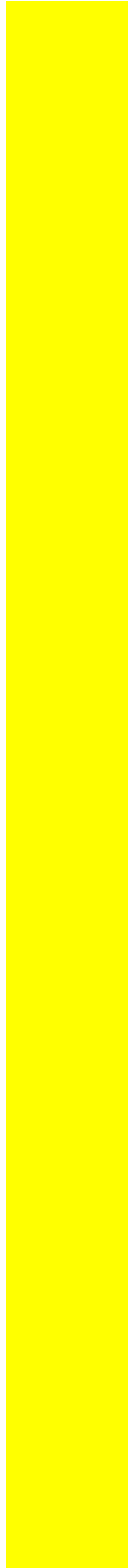
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1 design

1

1

1



old fencing

	47	183
		3
2	20	344
1	13	261
3	25	343
11	70	200
		58
	47	153
	95	509
		21
		4
1	4	31
	21	67
		21
		16
		8
	1	32
		4
		2
	1	26
	5	1
2		8

		6
		8
		7
		52
	6	109
	4	38
5	149	1641
		37
	1	34
		70
	2	1
	2	0
1		239
		7
		1
		4
		0
		3
		3
		2
	203	737
44	238	354
	3	101
	7	50
	20	6
4	<b>984</b>	52

ell

kid's umbrella

Jebris was near old campground site for RVs