

Zone 9

Shore north
Total Surveys 7
Start Point Land's End
Start Lat/Long
End Point Northern end of Fishing Hole
End Lat/Long
Dates Walked 1987, 89, 91-92, 96, 2001,03-07,09
Spring Surveys 4
Fall Surveys 9
First Walked 1987
Last Walked 2016
Total Person-Hours 340
Total Trash Bags Collected 83
Total Estimated Weight of Trash Collected 2330

General Info

Date	25-Apr-87 29-Apr to 6 30-Apr-91 3-May-92 21-Sep-96					
Start Time						
End Time						
Lowest Tide			-2.3			
	at time		1010			
Temperature (F)			50-52		42	
Sky			cloudy		partly cloud	
Vertical Zones Walked:						
	High	x				
	Middle	x				
	Low	x				
# of Observers		6	3	2	1	2
Hours Spent		2	2	6.25	2.5	7
Person-Hours		12	6	12.5	2.5	14
Shoreline Walked (miles)		2	1.5	1		1
Total Trip Mileage						
Did Observers . . .						
	Hike?	x	x	x	x	x
	Kayak?					
	Other (specify)?					
Trash Bags Collected			3	2		
Estimated Weight of Collected Trash				48		

Wildlife *Birds*

Loons			10		
Sea Ducks	8		43		
Other Ducks and Geese					
Bald Eagles					
	Adults	7	5	5	
	Immatures		5	2	
	Nests				
Shorebirds			1600		1

Seabirds	52	100	137	155
Crows and Ravens	50	1	5	
Others (see separate Bird list)				4

Domestic Mammals

Cattle				
Horses	1			
Dogs	1	3	2	3
Other				2 sheep

Land Mammals

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

Marine Mammals

Sea Otters				1
Harbor Seals	1			
Steller's Sea Lions				2
Harbor Porpoises			6	
Whales				
		Beluga		
		Orca		
		Minke		
		Humpback		
		Gray		
		Unknown		

Other/Unidentified

Please note any unusual wildlife sightings Part of dead bird 5 Dolly Varden trout, 1 sculpin, 6 h

Invertebrates

(from the Intertidal Biodiversity Checklist)

Please note any interesting observations or changes in abundance here numerous dark ground spiders, sn

Sponges

Breadcrumb Sponge				x
Purple Sponge				

Cnidarians

Anemones

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

Sea Jellies

x

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

Worms

Giant Flatworm

Nemerteans

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

x

Dunce Cap Limpet

Plate Limpet

Snails

x

Hairy Triton

x

Sitka Periwinkle

Helicina Margarite

Puppet Margarite

Aleutian Moonshell

Ridged Neptune

x

Channeled Dogwinkle

Emarginate Dogwinkle

Frilled Dogwinkle

File Dogwinkle

Big-mouth Whelk

x

Nudibranchs

x

Maned Nudibranch

False Sea Lemon (False Lemon Peel)

Orange-tipped Nudibranch

Opalescent Nudibranch

Bushy-backed Nudibranch

Clams

x

Nuttal's Cockle				
Northwest Ugly Clam				
Arctic Rock Borer				
Baltic Macoma		X		
Stained Macoma				
Pacific Surf Clam				
Truncated Mya				
Steamer Clam (Pacific Littleneck Clam)				
Butter Clam				
Razor Clam				
Mussels		X	X	X
Horse Mussel				
Pacific Blue Mussel				
Scallops				
Pink Scallop				
Jingles		X		
Rock Jingle				
Cephalopods				
Giant Pacific Octopus				X
Stubby Squid				
	Arthropods			
Barnacles	X	X		X
Acorn Barnacle				
Pelagic Gooseneck Barnacle				
Thatched Acorn Barnacle				
Crabs		X		
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
 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		x	x		x
	Band Attached Washed Up				
Red Seaweed		x	x	x	x
	Band Attached Washed Up				
Rockweed			x		
	Band Attached Washed Up				
Kelps					x
	Band Attached Washed Up				
Eelgrass					
	Band Attached Washed Up				

Beach Substrate

Type	rocky, pebt	pebble	pebbles
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Bluff and Cliff Erosion

Erosion present

Comments

Human Activities

Walking	Signs of Actual observation	1	5	1
Camping	Signs of Actual observation	1		1
Partying	Signs of Actual observation			
Fire Pits	Signs of Actual observation			
Trash Accumulations	Signs of Actual observation			
Clamming	Signs of Actual observation			1
Fishing	Signs of Actual observation	1	1 15	1
Coaling	Signs of Actual observation			
Picnicking	Signs of Actual observation	1	4	1
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	2	1	1
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			1 barge and

Structures on the Beach

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

Archaeological Sites

Shell Middens
Other (specify)

Outfalls or Pipes

Number		1	
Comments		Seward Fish	1

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)
Balloons
Beverage Bottles, plastic, 2-liter or less
Beverage Bottles, glass
Beverage Cans
Caps, Lids
Clothing, Cloth
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		3	
Crab/Lobster/Fish Traps			
Crates			
Fishing Line			
Fishing Lures			
Fishing Nets			
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

2

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, nets Metal cans Glass, aluminum cans Aluminum,

Additional Observations and Comments

Herring bei Homer harl (Detailed notes on weε Overall goo

F

Sea I

21-Sep-01	11.09.03	9.17.04	9.25.05	9.20.05	9.29.06	10.07.06	9.24.07	10.1.07
1145	1929	1000	1500	1014	1600	830	1000	1830
1545	1937	1200	1630	1200	1800	1100	1330	1930
0.9		-1	3.8	-2.8	2.9	-4.3		
1147		1200	1416	1059	12:51am	929am		
45-50	55	45	45	50	50	45		47
cloudy	sunny	clear	clear	clear	clear	cloudy/rain		clouds
x				x	x	x		x
x	x				x	x		
x		x	x	x	x	x		
1	5	3	2	2	9	10		16
4	0.1	2	1.5	1.5	2	2.5		1
4	0.5	6	3	3	18	25	0	16
2	10m	0.75	0.5	0.5	0.5	0.5		0.7
2.25	10m	1	1	1.5	1.25	1.5		1
x		x	x	x	x	x		x
disembarked from boat								
1		1	1	1	3	4		4
5		4		40	45	86	432	60
2								0
								0
								0
					2			1
								0
								0
				5				0

2

x

x

x

x

x
x

x

x

x

x

x

x

x

sh

x

flat bottom

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

all

pebbles

pebbles pebbles, mud

cobble

le, boulder, man-made

cobble

none

yes
e - a deep grove along

no

			3				H
	in front of Icic	2	4				
			1				
	harbor area			x			x
	front of old processing plant		7				

3	2
foam--soap seen at ed	none

2

			2				
7			5	5	3	71	6
						1	0
3	x		4	11		25	18
1				6	4	7	2
4			1	8	3	103	10
1			2	6	6	16	0
4				12		3	0
			4	13	1	44	0
				18	6	39	0
				4		2	2
					1	3	4
				2	6	3	5
1				3	4	18	6
1			3			4	2
1			1		3	3	2
				1		0	0
						2	0
			2			0	0
						0	0
1			1	2	30	6	30
1	x				40	2	4
				3		1	0
			2	1		0	0

2		2	3		1	0
		2	3		1	0
1		1		1	94	0
		7	3	8	148	1
			2		12	2
15			13	50	1395	100
			1		0	2
					34	0
1			3	2	15	0
1		1			0	0
		5			1	2
3			2	25	69	0
		10		1	2	0
					1	0
			3		3	0
					0	0
			1		0	0
				1	0	4
					20	
					25	
		5				

Transmission fluid bottle. Also saw 2 bags--sacks unidentified in wat the large amount of fis heavy metz

Lot more trash than I e Didn't walk manmade riprap from Most cigar Fishing hole was realitvly clean wi

Not bad. Not many people at all. Lots of activity: fishing, charters, leisure on water.

l Harbor Mouth

Farer's Memorial

9.12.09	9.29.09	7.20.10	8.18.10	9.15.10	8.19.10	10.13.10	8.11.2011	10.12.2011
1230							13:30	
1600							16:30	
7.4	3.9							
1433	627							
	55							
sun	clouds							
x	x							
	x							
1	25	2	1	15	5	2	2	1
3.5	2	1	2	2	2	1.5	3	1.5
3.5	50	2	2	30	10	3	6	1.5
0.25	1.5	2	2	2	2	1	0.5	0.5
20.25	3	2	2	2	4	2	25 (drive)	
x	x		x		x	x	x	x
1	30	1	1	10	6	1	1	1.5
10	350	15	25	150	85	10	10	20

40

3

4 dead kittiwakes, 1 dead gull, 1 bird wing

shells

shells

shells and parts

bull kelp

cobble

no

12

2 tents

2

x

1

; End and Condos

omer Harbor

x

3 pipes

20	82	26	15	40	12	14	7	11
1	6				1			
6	56	2	2	38	5	2	6	5
2	6	1	1	29	5	2		
21	42	8	4	30	22	4	14	10
11	25	9	13	21	11	2	12	11
6	11	5	4	5	15	1	2	
2	48	1	9	12	28	8	3	15
	65	14	13	42	25	27	7	39
33	1			2				
	2			4	10			
	4							1
5	17	3	2	8	12		4	4
	3			1				
7	17	1	3			2		6
	0		2					
7	28		1	1		66		28
	0							
	0			1				
7	10	1		12	6	5	6	2
	2	3			1		1	3
	0				12		1	1
	0			3				

	0			2				
	1			5				
4	27			1	1		1	
10	113	4	3	12	20	7		3
2	8	2	2	5	6	1		3
50	445	5		340	250	45	1	6
	1			2	1			
	5			16				
	9	1		1	20			
	0							
	0			4	1			
2	20	4	1	17	20	3		11
5	11		3	5				
	0							
	1			1				
	1							
	0							
2	0							
4	1							
49		17	34	406		46	24	122
39		18	22	142		9	13	9
15	32		12	87			4	16
				27				2
		2					8	20

al vehicle jack

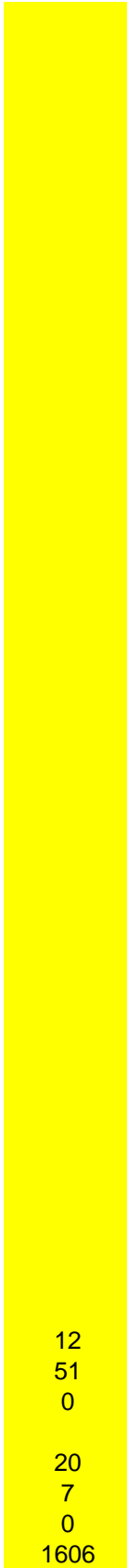
tennis ball, dental floss

2 large pieces of building material GPS: 59-36.170/151-24.873, 36.155/W24.828



59° 36' 27" N 151° 28' 59" 36' 27" N

59° 36' 27" N 151° 28' 151° 28' 12" W



		Mcneil	Rotary	WHE	Wurs	community
9.26.12	10.7.16	9/22/2017	9/27/2017	#####	9/17/2017	
	18:00		11:00		9:30	10:38
	19:20				11:00	1:00
	6.3				3	-0.4
	12:46				12:12	7:09
	52		50.00		48	59*
	sun		clouds high		1 sun/cloud high	
	x		1		1	1
					1	
22	1	19	10		30	2
2	1.5		1		1.5	2.5
44	1.5		10		45	5
2			0.5		0.5	one third
3			1		1	0.66
x		1	1		1	1
8	0.5					1
225		710				??

12
51
0

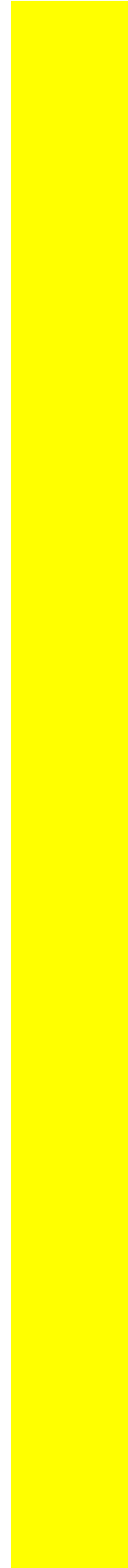
20
7
0
1606

boulder
yes
across from E

cobble

cobble

no



1

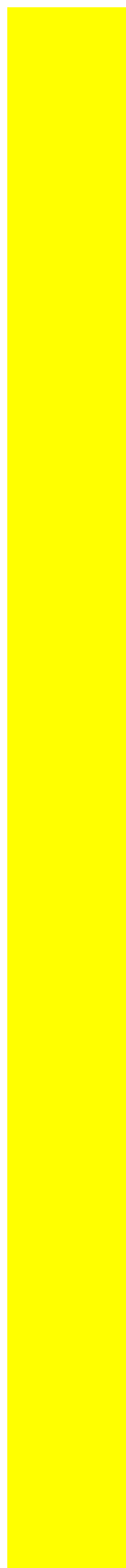
11

lots

1

4

6



harbor, small boat docks

17	24						365
	1	31	6	32	1	1	10
26	6	1		2	1		215
21		3	10	4	4	4	87
37	6	4	4	4	2		327
51	8	22	21	23	4	7	205
4		53		24	8		72
1	7	3	2	3		1	196
	27			20	1	1	322
		94	17	60	68	8	44
			1				24
							21
	6	1					93
		14	5	2	3	1	14
				1			
1	7						54
4	1						8
2							138
1			1				3
2							3
9							128
1		2	77	2	191		58
	2				2		20
		1	1	2		1	6

							10
							12
							131
1	7						347
	4	3	21	15	3	1	49
						3	
121	36						2872
3	3	119	89	62	264	11	13
55							110
18	1	7					71
					2		
							2
1							16
2	17						196
		28	4				37
							1
							8
	1						2
1		1					2
2		1					4
5	1						16
			1				
	10						728
12	11	74	62	204	30	4	300
2		115	75	96	30	172	173
	2	14	7	18	14		31
	4			15	8	1	34
		9	4	24	3	3	
		600	408	613	639	219	

small bird

dead

er, fishing tackle

knife, underwear

