

Zone 31

Shore south
Total Surveys 3
Start Point Point Pogibshi (Port Graham)
Start Lat/Long
End Point Russian Point
End Lat/Long
Dates Walked 1991, 96, 2001, 2003
Spring Surveys 1
Fall Surveys 3
First Walked 1991
Last Walked 2010
Total Person-Hours 187
Total Trash Bags Collected 11
Total Estimated Weight of Trash Collected 60

General Info

3 were done on beach in front of school

Date	16-May-91	27-Sep-96	19-Sep-01	26.09.03	11.1.10
Start Time	915	940	1000	800	
End Time	1315	1110	1130	1130	
Lowest Tide		-3.4	-2.7		
		at time	2131	1024	
Temperature (F)		42	low 50s	50	
Sky		cloudy	cloudy	cloudy	
Vertical Zones Walked:					
		High			
		Middle			
		Low	x	x	x
# of Observers	8	45	12	13	24
Hours Spent	4	1.5	1.5	3.5	1
Person-Hours	32	67.5	18	45.5	24
Shoreline Walked (miles)	3	0.5	0.25	1.5	1.5
Total Trip Mileage				3	3
Did Observers . . .					
		Hike?	x	x	x
		Kayak?			
		Other (specify)?			
Trash Bags Collected	1		4	1	5
Estimated Weight of Collected Trash				?	60

Wildlife

Birds

Loons				0
Sea Ducks				5
Other Ducks and Geese				0
Bald Eagles				
	Adults	2	2	3
	Immatures	2	2	0
	Nests	1		0
Shorebirds		6		0

Seabirds	1	35	15	43
Crows and Ravens		7		50
Others (see separate Bird list)		1		1

Domestic Mammals

Cattle				0
Horses				0
Dogs	1			0
Other				0

Land Mammals

Moose				
		Adults		0
		Calves		0
Black Bears				0
Brown Bears				0
Land/River Otters				0
Red Squirrels				0
Tracks Identified				0
Other				0

Marine Mammals

Sea Otters			1	10
Harbor Seals				0
Steller's Sea Lions				0
Harbor Porpoises				0
Whales				
		Beluga		0
		Orca		0
		Minke		0
		Humpback		0
		Gray		0
		Unknown		0

Other/Unidentified

Please note any unusual wildlife sightings

2 dead dog Clingfish, gunnel, prickleback present

Invertebrates

(from the Intertidal Biodiversity Checklist)

Please note any interesting observations or changes in abundance here

Chopped sea Hairy hermit crab present. Barnacles

Sponges

Breadcrumb Sponge				x
Purple Sponge				x

Cnidarians

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

Sea Jellies

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

Worms

Giant Flatworm				
Nemerteans				
Amphiporus (Two-spotted) Ribbon Worm				
Red Ribbon Worm			X	X

Echiurans
Fat Innkeeper (Alaskan Spoonworm)

Sipunculids
Peanut Worm

Annelids				
Mussel Worm (Clam Worm)			X	
Northern Feather Duster Worm (Carpet Worm)				
Cone Worm				
Calcareous Tube Worm				
Spiral Tube Worm				X
Scaleworm				

Brachiopods

Transverse Lampshell

Mollusks

Chitons	X	X		
Gumboot Chiton				
Black Katy Chiton			X	X
Brick Chiton			X	
Mossy Chiton			X	X
Tiger Chiton			X	
Lined Chiton				

Limpets	X	X		
Dunce Cap Limpet				
Plate Limpet			X	

Snails	X	X		
Hairy Triton				
Sitka Periwinkle			X	X
Helicina Margarite				
Puppet Margarite				
Aleutian Moonshell				
Ridged Neptune				
Channeled Dogwinkle				
Emarginate Dogwinkle				
Friiled Dogwinkle			X	
File Dogwinkle			X	
Big-mouth Whelk			X	

Nudibranchs				
Maned Nudibranch				
False Sea Lemon (False Lemon Peel)			X	X
Orange-tipped Nudibranch				
Opalescent Nudibranch				
Bushy-backed Nudibranch				

Clams	X	X		
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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	x		
Horse Mussel			x	
Pacific Blue Mussel			x	x
Scallops				
Pink Scallop				nearly dead on beach
Jingles				
Rock Jingle				
Cephalopods				
Giant Pacific Octopus		x	x	x
Stubby Squid				
Arthropods				
Barnacles	x	x		
Acorn Barnacle			x	
Pelagic Gooseneck Barnacle				
Thatched Acorn Barnacle			x	
Crabs	x	x		rhino crab
Dungeness Crab				
Black-clawed Cancer Crab			x	x
Red Hermit Crab				
Striped Hermit Crab				
Decorator Crab			x	x
Carapace Crab				
Red King Crab				
Northern Kelp Crab				
Helmet Crab				x
Shrimp		x		
Broken-back Shrimp				x
Coonstripe Shrimp			x	
Sand Shrimp			x	
Isopods				
Pillbug Isopod				
Rockweek Isopod			x	
Amphipods				
Skeleton Shrimp				
Small Beach Hopper			x	
Echinoderms				
Sea Stars	x	x		
Little Six-rayed Star			x	x
Red-banded Star (Rainbow Star)				
Ochre Star				
Sunflower Star				x
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)

x
 x
 x
 x
 x
 x
 x
 x

Chordates

Tunicates

Colonial Tunicate (Sea Pork)
 Sea Peach

gunnels, sculpin, rhino crab

Seaweeds

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

x x
 x x
 x x
 x x
 x x
 x x
 x x
 x x

Beach Substrate

Type rocky rocky rocky, sand rocky

Bluff and Cliff Erosion

Comments moderate slight 2 places berap was added several

Human Activities

Walking	Signs of	1	1	1
	Actual observation	1		
Camping	Signs of	1		
	Actual observation			
Partying	Signs of			
	Actual observation			
Fire Pits	Signs of			
	Actual observation			
Trash Accumulations	Signs of			
	Actual observation	1		
Clamming	Signs of			1
	Actual observation			
Fishing	Signs of	1	1	3
	Actual observation			
Coaling	Signs of			
	Actual observation			
Picnicking	Signs of			
	Actual observation	1		
Horseback Riding	Signs of			
	Actual observation			
Harvesting (specify)	Signs of			
	Actual observation			yes--octopus, chitons, snails, crabs
Other (specify)				

Vehicle Use

Cars/Trucks	Sets of tracks		1	1
	Actual observation			
ATVs/Motorcycles	Sets of tracks	1	1	1
	Actual observation			
Bicycles	Sets of tracks		1	
	Actual observation			
Aircraft	Sets of tracks			
	Actual observation			
Other (specify)				

Structures on the Beach

Buildings	4	6	4
Docks	1	1	2
Driftwood Structures		5	
Riprapped Areas			
Erosion Control Structures			
Abandoned Vehicles			
Abandoned Boats			

Boat Parts

Archaeological Sites

- Shell Middens
- Other (specify)

Outfalls or Pipes

Number	1	4	3
Comments	ed, were part of hatchery when the coho building was used		

Toxic Pollution

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

Trash & Debris

(from International Coastal Cleanup Data Card) did not fill out card

Shoreline and Recreational Activities

Bags (Paper & Plastic)	30
Balloons	1
Beverage Bottles, plastic, 2-liter or less	17
Beverage Bottles, glass	17
Beverage Cans	16
Caps, Lids	2
Clothing, Cloth	5
Cups, Plates, Forks, Knives, Spoons	10
Food Wrappers/Containers	6
6-pack Holders	5
Pull Tabs	
Shotgun Shells/Wadding	
Straws, Stirrers	
Toys	

Ocean/Waterway Activities

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

Light Bulbs/Tubes	1
Oil/Lube Bottles	
Pallets	
Plastic Sheeting/Tarps	2
Rope/cable	9
Strapping Bands	1

Smoking-Related Activities

Cigarettes/Cigarette Filters	23
Cigarette Lighters	
Cigar Tips	
Tobacco Packaging/Wrappers	2

Dumping Activities

Appliances (refrigerators, washers, etc.)	
Batteries	
Building Materials	6
Cars/Car Parts	
55-gallon Drums	
Tires	1

Medical/Personal Hygiene

Condoms	2
Diapers	
Syringes	
Tampons/Tampon Applicators	

Debris Items of Local Concern

	City dump.	
Styrofoam Pieces		6
Plastic Pieces		33
Paper products		
Metal Pieces		7
Other		

Entangled Animals

Type of Animal	commorant
Form of Entangling Debris	fishing line
Comments	

Most Peculiar Item Collected?

Comments

Fishing gear, vehicle/bc Aluminum, buoys, glass, metal, pla

Additional Observations and Comments

Subsistence activity.

TOTAL

0

0

0

0

0

0

0

0

0

0

5

0

7

4

1

6

94
57
2

0
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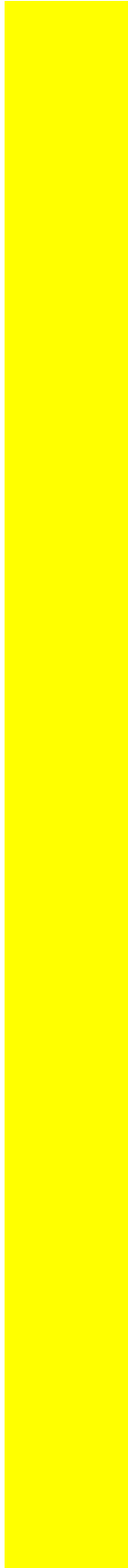
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ent.

e eating a nudibranch.

years ago.



as the main hatchery building.

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9
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23
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2

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6
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0
1

2
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6
33
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7
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stics, styrofoam, fishing line all present.

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0

0

0