

Zone 26

Shore south
Total Surveys 14
Start Point Little Tutka Bay
Start Lat/Long
End Point Jakalof Bay
End Lat/Long
Dates Walked 1988-91, 99-2003, 05, 08-09
Spring Surveys 11
Fall Surveys 8
First Walked 1988
Last Walked 2016
Total Person-Hours 265
Total Trash Bags Collected 26
Total Estimated Weight of Trash Collected 452.5

General Info

Date 30-Apr-88 30-Apr-88 29-Apr to 6 29-Apr to 6 4-May-89
Start Time 945
End Time 1115
Lowest Tide

at time

Temperature (F)

Sky

cloudy

Vertical Zones Walked:

High x
 Middle x
 Low x

# of Observers	2	5	2	1	1
Hours Spent	4	3	3	3	1.5
Person-Hours	8	15	6	3	1.5
Shoreline Walked (miles)		3.5	1.5	1.75	0.5
Total Trip Mileage					
Did Observers . . .					

Hike?			x	x	x
Kayak?					
Other (specify)?				boat	

Trash Bags Collected

Estimated Weight of Collected Trash

Wildlife Birds

Loons	2			
Sea Ducks	24		2	4
Other Ducks and Geese				
Bald Eagles				
	Adults	10	1	2
	Immatures	4		1
	Nests		2	
Shorebirds		4		

Seabirds	29	7	29	15
Crows and Ravens	10			10
Others (see separate Bird list)	36	215		1

Domestic Mammals

Cattle				
Horses				
Dogs	2			
Other	1			

Land Mammals

Moose				
	Adults	1		
	Calves			
Black Bears			1	
Brown Bears				
Land/River Otters				
Red Squirrels	10			
Tracks Identified	hare			
Other	1	2		

Marine Mammals

Sea Otters	23			
Harbor Seals			2	
Steller's Sea Lions	1			
Harbor Porpoises				
Whales				
	Beluga			
	Orca			
	Minke			
	Humpback			
	Gray			
	Unknown			

Other/Unidentified

Please note any unusual wildlife sightings

No beaver in area. Moose very rare, not man

Invertebrates

(from the Intertidal Biodiversity Checklist)

Please note any interesting observations or changes in abundance here

Urchins used to be common before otters. Unusual wi

Sponges

Breadcrumb Sponge
Purple Sponge

Cnidarians

Anemones

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

Sea Jellies

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 x x x
 Gumboot Chiton
 Black Katy Chiton
 Brick Chiton
 Mossy Chiton
 Tiger Chiton
 Lined Chiton
Limpets x x x
 Dunce Cap Limpet
 Plate Limpet
Snails x
 Hairy Triton
 Sitka Periwinkle x
 Helicina Margarite
 Puppet Margarite
 Aleutian Moonshell
 Ridged Neptune
 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 x x

Nuttal's Cockle	x				
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	x	x	x
Horse Mussel					
Pacific Blue Mussel					
Scallops					
Pink Scallop					
Jingles					
Rock Jingle	x				
Cephalopods					
Giant Pacific Octopus	x				
Stubby Squid					
Arthropods					
Barnacles	x		x	x	x
Acorn Barnacle					
Pelagic Gooseneck Barnacle					
Thatched Acorn Barnacle					
Crabs	x	x	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	x	x		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

x x x

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

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 rocky

Bluff and Cliff Erosion

Comments not much slight slight

Human Activities

Walking	Signs of	1		
	Actual observation	1		
Camping	Signs of		1	1
	Actual observation			1
Partying	Signs of			
	Actual observation			
Fire Pits	Signs of			
	Actual observation			
Trash Accumulations	Signs of			
	Actual observation			
Clamming	Signs of	1	1	1
	Actual observation	1		1
Fishing	Signs of		1	
	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)		Subsistence use.		Subsistence use.

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)	

Structures on the Beach

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

Boat Parts

Archaeological Sites

Shell Middens
Other (specify)

Outfalls or Pipes

Number	5	3	1
Comments	5 houses direct into bay--I'm the only one who has a sept		

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
Crab/Lobster/Fish Traps
Crates
Fishing Line
Fishing Lures
Fishing Nets

Light Bulbs/Tubes	
Oil/Lube Bottles	
Pallets	
Plastic Sheeting/Tarps	2
Rope/cable	7
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

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

Vehicle/box: Found 5 pi Styrofoam and rope pr Plastic con
 Clam beds in excellent shape. Found lots of I

Additional Observations and Comments

I should mention that I Covered J: Covered C Covered h

5-May-89	6-May-90	27-May-90	28-Apr-91	29-Apr-91	16-May-91	20-Sep-99	26-Sep-00	30-Sep-01
830	1900	800	1130	1110		1100	1130	1130
1200	2100	1130	1600	1510		1230	1630	1430
			-2.5	-2.6				
			901	936				
						~50 partly sunn	50-55 cloudy	mid40s partly sunn
							x	
						x		x
1	1	5	4	5	1	2	1	1
3.5	2	3.5	4.5	4	2.5	1.5	5	3
3.5	2	17.5	18	20	2.5	3	5	3
1	1	3		0.75	1	2	12	8
x	x	x	x	x	x			
						x	x	x
1				6			truck for garbage	tru
								1
	1	2		1		4	1	1
25	3	3		9	10	11	10	22
	46						24	55
1	3	5	1	1	3	2	4	7
1	5	2		2	2	2		
		1	1		3	1		1
		18						1

6	2	5	31	21	14	100	135	27
12	15	2	2		6		1	
		11			8	7	11	6

	1		1		1	1	2	
	1	1						

		4						1
	5	5		1	6	5		
	shrew		dog	human	bear			
	1	2					7	
6	3	5		2	3		5	5
2		1			1		1	
	7							
		4						

2

1 dead sea otter.

Gunnels present.

Saw a hum Bear scat. Numerous s

Unusual winterkill of b:IN the intertidal zone th Tubeworms, eggs?

Lots of jelliε PSP outbre Horse barn:

x	x	x	x	x	x	x	x	
---	---	---	---	---	---	---	---	--

		x
		x
x	x	

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								X
								X
X	X	X	X	X	X	X	X	X
								X

								X
								X

X	X	X	X	X	X	X	X	
	X	X	X	X	X	X	X	X
								X

								X
						X		X
								X

rocky	rocky	rocky, sand	pebbles	rocky	rocky	rocky, pebb	rocky, pebb	rocky, pebb
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moderate	slight	slight	moderate t	moderate	slight	slight	slight	not applical
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	5 1	1	1	1	1	1		
2		1	1	2	1	1	3 1	3
								2
1	2			1				
	2	1		2	1	1	yes yes	
			1	2		1	1	1
	2	1		2		1	1	

Subsistence activity.

150' WWII :

3	1	1 1	
	1	1 1	1
		1	4
	1	1	

1 dozer

	12	7 3	2	5 2	7 3	21	3	1 4
								1
	1 1	1	yes	1	1	2		
	3				1			1
						A few known.		
ic system.	1	1	1		3			
								1
			1					
			2					
4						1 2		
							2	2
	2		1					
1								
	1							

	2			
7	1	1	2	
1		1	2	3
			1	

Styrofoam Metal and Glass, metal All trash Aluminum All trash Cleanup is Over 200 fil One old cla
 ures in lagoon from pink fishing. Trashed camp, before Boat carcass A few moto 5 oyster far

Covered Sand and Ist Covered Lit There was Suggestion Covered Lit Beetle kill is The mill are Other than l

06.10.02	09.27.03	10.4.05	9.29.08	9.19.09	5.14.10	9.13.11	9.23.12	28.16, 10.5.
		1100	1140	1530				
		1430	1340	1830				
-3.5		1	-1.8	-3.1				-2.7
854		937	925	1744				930
40	50	40	43	55				40
partly cloudy	rain	overcast	sun, clouds	sun				rain
	x		x	x				
x								
x	x	x						x
4	4	2	1	2	33	9	14	1
3	4	3	2	3	2	2	2	3
12	16	6	2	6	66	18	28	3
	4	15	7	6	2	3	2	
7	9	31	7	6	4		2	
x	x	x	x		x		x	
	x			x				x
Jck used on clean-up and campsites								
1	4	1		1	7	1	3	
10	150	5		2	110.5	25	150	
0	0		2					2
25	14	31	16	9				20
0	0							
5	7	3	3	2				
0	0	1						
0	0	1						
11	0							

0	12	112	245	21	
0	0	11			
0	0		7	10	16

fewer ducks than usual

0	0				
0	0				
2	2	2			
0	0				

0	0				
0	0				
0	0				
0	0				
0	0				
0	0	3		2	
0	0				
0	0				1

0	1	10	2	2	4
1	0	1			1
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				1
0	0				
0	0				

unusual the fewer ducks than usual

acle present.

		x	x	x	
		x		x	
x	*				
x					
x	*				x
x	*				x
			x		

X	*				X
X					X
X	*				X
X	*	X	X	X	X
X	*	X			
X	*	X			
X				X	
		X			
X	*			X	
X					
X	*				
X	*				
X	*				
			X		
			X		
X	*			X	X
X					
X					
X	*		X	x shield	
	sheild limpet		X		
	*		X		
X	*		X	X	X
			X		
X	*	X		X	
X	*				
X	*				
X					X

bent nosed cl: x

shells

X
X

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bryozoans

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X

rocky pebble rocky, mud rocky oulder, bedr oulder, bedrock, mud

cobble, muc

ied up on borms have eion at highes, near docs and cliffs wearing

no

			x	
x			x	
	4			
			x	
		x	x	x
		1		
			x	
			x	
2			x	x

			x	
lots	lots		x	x
			x	
			x	
akolof creek				

1

x

clams		clam and oyster farm		
		2	x	x
lots			x	

oyster farms: farms, only oyster farms

			x	
1			x	
1	1			
			x	
	many		x	x

	2			
			x	
	airport		x	
	1	x		
motorcycle				

1

1	9	1	abandoned building		1
1	3	x	2 on oyster	x	1
0	0				
0	1				2
0	11	6	x		1
0	one on beach		2 boats		
0					
0					

0	1
0	

0	1
---	---

0	
0	
0	
0	1

0	2			66	4	1
0	0			2		
1	0	1	1	21		5
0	15			50		6
1	6		2	50	3	20
0	0			10	3	4
0	2			10	1	4
0	0			7	5	
0	0			81	7	5
0	0					
0	0			4		
0	0		4	4	2	6
0	0			1		
0	0			7		

0	3					
0	0			5		
2	6	1		1		
0	0	1		1		
0	11			4		1
0	4			1	2	
0	2					3
0	1					

0	0		1		
1	0		32		
0	0				
2	0	1	16		
4	1	1	39	10	6
0	0		9	1	2
0	0		1	7	3
0	0				
0	0		1		6
0	0			1	1
0	0				
0	1		1		
0	2		30	1	
0	0		13		
1	0				1
0	2		4	1	
0	0				
0	0				
0	0				
0	0				

264	12	63
36	20	23
	5	2
		10
		3

1 dead mew gull
fishing line

part of wrecked aircraft

very little p
very little trash on beach
Pictures of coastwalk included

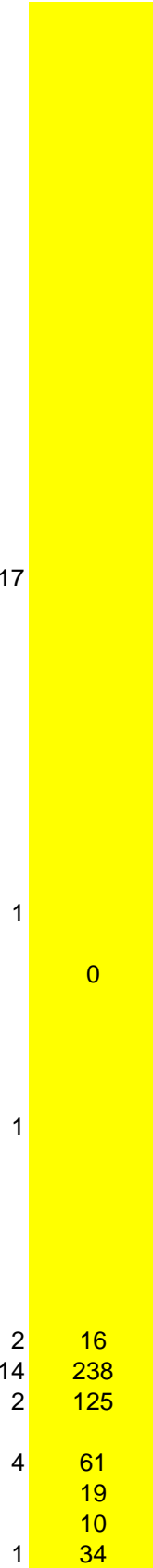
Beach looked very good at high tide. Walked a short way

logging at end of bay, it looks good.

Only surveyed Jakolof Bay

16

9/1/2017



1

0

0

0

1

2

16

14

238

2

125

4

61

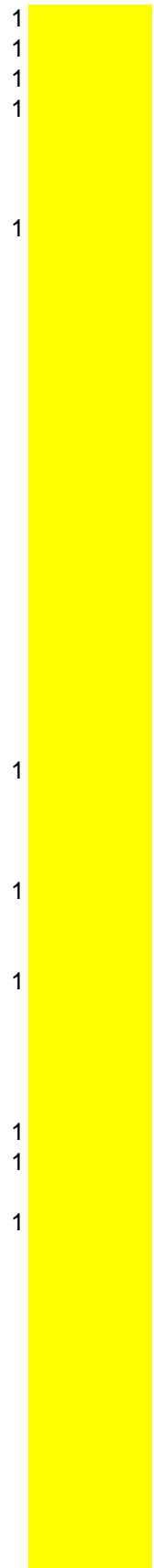
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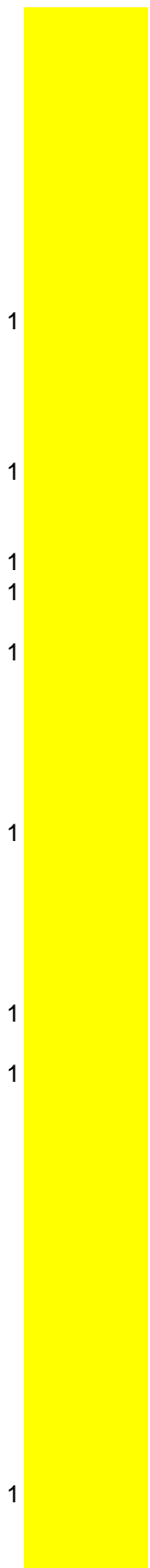
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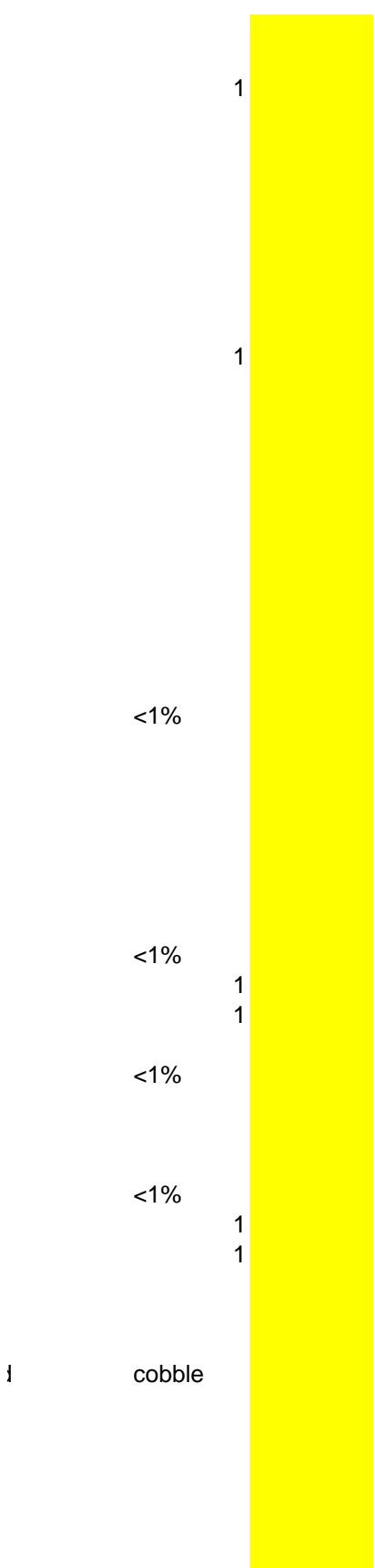
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34

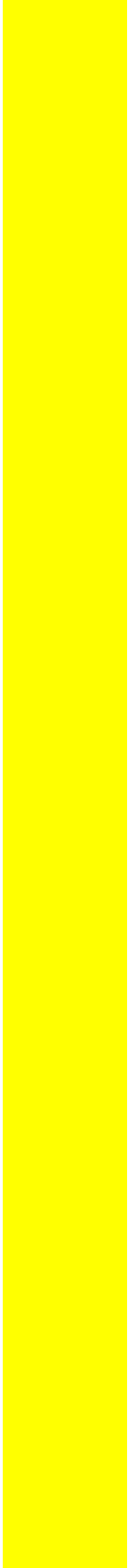
1	811
30	69
greatblue h	328
king fisher 2	
	0
	0
1	14
	3
	1
	0
	1
	0
heard	5
	37
	0
	14
8	71
2	10
	8
2	4
	0
	0
	0
1	1
	0
	2
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1
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1

75
2
29
72
88
17
17
12
93
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16
1
7

3
5
14
5
16
8
5
2

1
33
0
21
68
12

11
0
7
2

2
3
43
19
3
8

0
0
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0

339
79
7
10
3

at low tide no trash seen (from kayak)