



Date	30-Apr-88	29-Apr-90	30-Apr-91	5-May-91	??-Sep-96	22-Sep-98	??-Sep-99	15-Sep-01	16-Sep-01
Other (specify)?	boat			Marsha's boat					
<b>Trash Bags Collected</b>				1					
<b>Estimated Weight of Collected Trash</b>									
<b><u>Wildlife</u></b>									
<b><i>Birds</i></b>									
Loons			1						1
Sea Ducks			71			35	6	16	
Other Ducks and Geese	20								
Bald Eagles									
	Adults	6	1	1			1		3
	Immatures	1		1					1
	Nests			1					2
Shorebirds				1					
Seabirds	3		18			1	20	22	
Crows and Ravens								43	
Others (see separate Bird list)	3		9	1		9	4	3	
<b><i>Domestic Mammals</i></b>									
Cattle									
Horses									
Dogs								1	
Other									
<b><i>Land Mammals</i></b>									
Moose									
	Adults								
	Calves								
Black Bears								1	scat
Brown Bears									
Land/River Otters									
Red Squirrels			2					2	
Tracks Identified		river otter,	moose, river	river otter		river otter	otter, coyot	river otter	lynx or can
Other		dog or fox shit					otter latrine	river otter latrine	which ha
<b><i>Marine Mammals</i></b>									
Sea Otters	2		2	17			2	1	1
Harbor Seals							1		





<b>Date</b>	30-Apr-88	29-Apr-90	30-Apr-91	5-May-91	??-Sep-96	22-Sep-98	??-Sep-99	15-Sep-01	16-Sep-01
Frilled Dogwinkle									x
File Dogwinkle								x	
Big-mouth Whelk						x			
<b>Nudibranchs</b>									
Maned Nudibranch									
False Sea Lemon (False Lemon Peel)									
Orange-tipped Nudibranch									
Opalescent Nudibranch									
Bushy-backed Nudibranch									
<b>Clams</b>		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)									x
Butter Clam									
Razor Clam									
<b>Mussels</b>	x	x	x			x			
Horse Mussel									
Pacific Blue Mussel								x	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	x	x		x	x		
Acorn Barnacle								x	x
Pelagic Gooseneck Barnacle									
Thatched Acorn Barnacle								x	x
<b>Crabs</b>		x							







Date	30-Apr-88	29-Apr-90	30-Apr-91	5-May-91	??-Sep-96	22-Sep-98	??-Sep-99	15-Sep-01	16-Sep-01
Actual observation									
Harvesting (specify)									
Signs of		subsistence fishing							
Actual observation									
Other (specify)									
<b><u>Vehicle Use</u></b>									
Cars/Trucks									
Sets of tracks									
Actual observation	1								
ATVs/Motorcycles									
Sets of tracks	1							1	
Actual observation									
Bicycles									
Sets of tracks									1
Actual observation									
Aircraft									
Sets of tracks									1
Actual observation									
Other (specify)							sawmill tracks at neighbor's cabin		
<b><u>Structures on the Beach</u></b>									
Buildings		1				3	3	3	10
Docks									1
Driftwood Structures									
Riprapped Areas									
Erosion Control Structures									
Abandoned Vehicles									
Abandoned Boats		1							
Boat Parts									
<b><u>Archaeological Sites</u></b>									
Shell Middens		1					1	1	large, d
Other (specify)						Erosion sev	Large, eroc	Major midden--have ob	





<b>Date</b>	30-Apr-88	29-Apr-90	30-Apr-91	5-May-91	??-Sep-96	22-Sep-98	??-Sep-99	15-Sep-01	16-Sep-01
Comments									
<b><i>Most Peculiar Item Collected?</i></b>									
<b><i>Comments</i></b>	Lots of sty	Glass, met	Aluminum	This beach was a mes	Almost not	Plastics co	Aluminum,	Vehicle/boa	
<b><u>Additional Observations and Comments</u></b>	Many fresh	(Attached sheets are a	This info re	Anne Wiels	Great echir	Erosion at	I had planned to cruise		



Date	22.09.02	09.09.03	09.29.04	9.19.05					
Other (specify)?	skiff survey west side of 23								
Trash Bags Collected	1	0	0	0					
Estimated Weight of Collected Trash	none collected								
<b><u>Wildlife</u></b>									
<b><i>Birds</i></b>									
Loons	0		2						
Sea Ducks	5	25	7	16					
Other Ducks and Geese	5								
Bald Eagles									
Adults	1	9	2	1					
Immatures		3	1	1					
Nests	1	3	1	1					
Shorebirds	1	7	0						
Seabirds	61	14	43	18					
Crows and Ravens		18	15	4					
Others (see separate Bird list)		1 peregrine falcon		4					
<b><i>Domestic Mammals</i></b>									
Cattle		0	0						
Horses		0	0						
Dogs		2 with coastwal		0	2				
Other			0						
<b><i>Land Mammals</i></b>									
Moose			0						
Adults		0	0						
Calves		0	0						
Black Bears		0	0						
Brown Bears		0	0						
Land/River Otters		0	0						
Red Squirrels	1	0	0	2					
Tracks Identified	river otter	0	0	land otter					
Other	has been in existence since at least 1975								
<b><i>Marine Mammals</i></b>									
Sea Otters		7	2	2					
Harbor Seals		2	0						







<b>Date</b>	22.09.02	09.09.03	09.29.04	9.19.05					
Dungeness Crab									
Black-clawed Cancer Crab									
Red Hermit Crab			x						
Striped Hermit Crab			x						
Decorator Crab									
Carapace Crab									
Red King Crab									
Northern Kelp Crab									
Helmet Crab			x						
<b>Shrimp</b>									
Broken-back Shrimp									
Coonstripe Shrimp									
Sand Shrimp									
<b>Isopods</b>									
Pillbug Isopod									
Rockweek Isopod			x						
<b>Amphipods</b>									
Skeleton Shrimp									
Small Beach Hopper		c	x						
<b>Echinoderms</b>									
<b>Sea Stars</b>									
Little Six-rayed Star	x	x	x						
Red-banded Star (Rainbow Star)									
Ochre Star		x	x						
Sunflower Star			x						
Morning Sun Star			x						
Stimpson's Sun Star	x	x	x						
Rose Star			x						
Leather Star			x						
True Star (False Ochre Star, Mottled Star)	x	x	x	x					
Blood Star			x						
<b>Brittle Stars</b>									
Serpent Star									
Daisy Brittle Star									
<b>Sea Urchins</b>									
Green Sea Urchin		x	x						

Date	22.09.02	09.09.03	09.29.04	9.19.05					
Red Sea Urchin									
<b>Sea Cucumbers</b>									
Silky Burrowing Cucumber			x						
Orange Cucumber (Red Cucumber)	x		x	x					
Tar-spot Cucumber (Black Cucumber)									
<b>Sand Dollars</b>									
Green-spined Sand Dollar (Northern Sand Dollar)			dead						
<b>Chordates</b>									
<b>Tunicates</b>									
Colonial Tunicate (Sea Pork)			x						
Sea Peach									
	alaria, ulva, halosaccion, porphyra, tar spot, desmarencia, sea fir								
<b>Seaweeds</b>									
Green Seaweed									
Band									
Attached		x	x						
Washed Up									
Red Seaweed									
Band									
Attached	x		x	x					
Washed Up		x		x					
Rockweed									
Band		x							
Attached	x	x	x	x					
Washed Up			x	x					
Kelps									
Band									
Attached	x	x	x	x					
Washed Up	x	x	x	x					
Eelgrass									
Band									
Attached									
Washed Up									
<b>Beach Substrate</b>	bles, sand rocky, pebbles, sand								
Type	y, pebbles, sand		rocky, sand & gravel						





Date	22.09.02	09.09.03	09.29.04	9.19.05					
<b><u>Outfalls or Pipes</u></b>									
Number			1						
Comments									
<b><u>Toxic Pollution</u></b>									
Fuel (oil, gas, etc.)									
Lubricating Oil									
Paint									
Batteries									
<b><u>Trash &amp; Debris</u></b>									
(from International Coastal Cleanup Data Card)									
<b><i>Shoreline and Recreational Activities</i></b>									
Bags/Food Wrappers						0			
Balloons						0			
Beverage Bottles, plastic, 2-liter or less						0			
Beverage Bottles, glass						0			
Beverage Cans						3			
Caps, Lids						0			
Clothing, Cloth						0			
Cups, Plates, Forks, Knives, Spoons						0			
Diapers						0			
Fast-food Containers						0			
6-pack Holders						0			
Pull Tabs						0			
Shotgun Shells/Wadding						0			
Straws, Stirrers						0			
Toys						0			
						0			
<b><i>Ocean/Waterway Activities</i></b>									
Bait Containers/Packaging						0			
Bleach/Cleaner Bottles						0			
Buoys/Floats						0			
Crab/Lobster/Fish Traps						0			
Crates						0			



<b>Date</b>	22.09.02	09.09.03	09.29.04	9.19.05					
Comments									
<b><i>Most Peculiar Item Collected?</i></b>									
<b><i>Comments</i></b>	over july 4th a loud raucous party camped on the beach, near the latrind for several days and disturbe								
<b><u>Additional Observations and Comments</u></b>	the beach by boat all the way to Sadie but deteriorating conditions prevented it.								

<b><u>Zone 23</u></b>								
<b>Shore</b>								
<b>Total Surveys</b>								
<b>Start Point</b>								
<b>Start Lat/Long</b>								
<b>End Point</b>								
<b>End Lat/Long</b>								
<b>Dates Walked</b>								
<b>Spring Surveys</b>								
<b>Fall Surveys</b>								
<b>First Walked</b>								
<b>Last Walked</b>								
<b>Total Person-Hours</b>								
<b>Total Trash Bags Collected</b>								
<b>Total Estimated Weight of Trash Collected</b>								
<b><u>General Info</u></b>								
<b>Date</b>								
<b>Start Time</b>								
<b>End Time</b>								
<b>Lowest Tide</b>								
<b>at time</b>								
<b>Temperature (F)</b>								
<b>Sky</b>								
<b>Vertical Zones Walked:</b>								
High								
Middle								
Low								
<b># of Observers</b>								
<b>Hours Spent</b>								
<b>Person-Hours</b>								
	0	0	0	0	0	0	0	0
<b>Shoreline Walked (miles)</b>								
<b>Total Trip Mileage</b>								
<b>Did Observers . . .</b>								
Hike?								
Kayak?								







<b>Date</b>								
Frilled Dogwinkle								
File Dogwinkle								
Big-mouth Whelk								
<b>Nudibranchs</b>								
Maned Nudibranch								
False Sea Lemon (False Lemon Peel)								
Orange-tipped Nudibranch								
Opalescent Nudibranch								
Bushy-backed Nudibranch								
<b>Clams</b>								
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								
<b>Mussels</b>								
Horse Mussel								
Pacific Blue Mussel								
<b>Scallops</b>								
Pink Scallop								
<b>Jingles</b>								
Rock Jingle								
<b>Cephalopods</b>								
Giant Pacific Octopus								
Stubby Squid								
<b>Arthropods</b>								
<b>Barnacles</b>								
Acorn Barnacle								
Pelagic Gooseneck Barnacle								
Thatched Acorn Barnacle								
<b>Crabs</b>								

<b>Date</b>								
Dungeness Crab								
Black-clawed Cancer Crab								
Red Hermit Crab								
Striped Hermit Crab								
Decorator Crab								
Carapace Crab								
Red King Crab								
Northern Kelp Crab								
Helmet Crab								
<b>Shrimp</b>								
Broken-back Shrimp								
Coonstripe Shrimp								
Sand Shrimp								
<b>Isopods</b>								
Pillbug Isopod								
Rockweek Isopod								
<b>Amphipods</b>								
Skeleton Shrimp								
Small Beach Hopper								
<b>Echinoderms</b>								
<b>Sea Stars</b>								
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								
<b>Brittle Stars</b>								
Serpent Star								
Daisy Brittle Star								
<b>Sea Urchins</b>								
Green Sea Urchin								

<b>Date</b>								
Red Sea Urchin								
<b>Sea Cucumbers</b>								
Silky Burrowing Cucumber								
Orange Cucumber (Red Cucumber)								
Tar-spot Cucumber (Black Cucumber)								
<b>Sand Dollars</b>								
Green-spined Sand Dollar (Northern Sand Dollar)								
<b><u>Chordates</u></b>								
<b><i>Tunicates</i></b>								
Colonial Tunicate (Sea Pork)								
Sea Peach								
<b><u>Seaweeds</u></b>								
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								
<b><u>Beach Substrate</u></b>								
Type								

<b>Date</b>									
	<b><u>Bluff and Cliff Erosion</u></b>								
Comments									
	<b><u>Human Activities</u></b>								
Walking									
		Signs of							
		Actual observation							
Camping									
		Signs of							
		Actual observation							
Partying									
		Signs of							
		Actual observation							
Fire Pits									
		Signs of							
		Actual observation							
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							



<b>Date</b>								
<b><u>Outfalls or Pipes</u></b>								
Number								
Comments								
<b><u>Toxic Pollution</u></b>								
Fuel (oil, gas, etc.)								
Lubricating Oil								
Paint								
Batteries								
<b><u>Trash &amp; Debris</u></b>								
(from International Coastal Cleanup Data Card)								
<b><i>Shoreline and Recreational Activities</i></b>								
Bags/Food Wrappers								
Balloons								
Beverage Bottles, plastic, 2-liter or less								
Beverage Bottles, glass								
Beverage Cans								
Caps, Lids								
Clothing, Cloth								
Cups, Plates, Forks, Knives, Spoons								
Diapers								
Fast-food Containers								
6-pack Holders								
Pull Tabs								
Shotgun Shells/Wadding								
Straws, Stirrers								
Toys								
<b><i>Ocean/Waterway Activities</i></b>								
Bait Containers/Packaging								
Bleach/Cleaner Bottles								
Buoys/Floats								
Crab/Lobster/Fish Traps								
Crates								

<b>Date</b>								
Fishing Line								
Fishing Lures								
Fishing Nets								
Light Bulbs/Tubes								
Oil/Lube Bottles								
Pallets								
Plastic Sheeting/Tarps								
Rope								
Strapping Bands								
<b><i>Smoking-Related Activities</i></b>								
Cigarettes/Cigarette Filters								
Cigarette Lighters								
Cigar Tips								
Tobacco Packaging/Wrappers								
<b><i>Dumping Activities</i></b>								
Appliances (refrigerators, washers, etc.)								
Batteries								
Cars/Car Parts								
Construction Materials								
55-gallon Drums								
Tires								
<b><i>Medical/Personal Hygiene</i></b>								
Syringes								
Condoms								
Tampons/Tampon Applicators								
<b><i>Debris Items of Local Concern</i></b>								
<b><i>Entangled Animals</i></b>								
Type of Animal								
Form of Entangling Debris								

<b>Date</b>								
Comments								
<b><i>Most Peculiar Item Collected?</i></b>								
<b><i>Comments</i></b>	d otters who have not used this latrine as extensively since.							
<b><u>Additional Observations and Comments</u></b>								