

Zone 25

Shore	south
Total Surveys	8
Start Point	Tutka Bay
End Point	Tutka Bay
Dates Walked	1989, 91, 99-2004
Spring Surveys	4
Fall Surveys	7
First Walked	1989
Last Walked	2014
Total Person-Hours	69
Total Trash Bags Collected	8.95
Total Estimated Weight of Trash Collected	27

General Info

Date	29-Apr to 6-May-89	29-Apr to 6 2-May-91	2-May-91	5-May-91
Start Time		2030	1000	1330
End Time		2200	1130	1430
Lowest Tide				

at time

Temperature (F)

Sky

Vertical Zones Walked:

High
Middle
Low

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

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

Trash Bags Collected			1	3
Estimated Weight of Collected Trash				

Wildlife *Birds*

Loons				
Sea Ducks	15	41		7
Other Ducks and Geese			10	
Bald Eagles				
	Adults	10	3	2
	Immatures		1	1
	Nests		2	
Shorebirds	20			2

Seabirds	90	50	12	
Crows and Ravens	10	20		
Others (see separate Bird list)	3			1

Domestic Mammals

Cattle
Horses
Dogs
Other

Land Mammals

Moose

Adults
Calves

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

dog

Marine Mammals

Sea Otters
Harbor Seals
Steller's Sea Lions
Harbor Porpoises
Whales

Sea Otters	4	21		
Harbor Seals		2		
Steller's Sea Lions			5	
Harbor Porpoises	1			1

Beluga
Orca
Minke
Humpback
Gray
Unknown

Other/Unidentified

Please note any unusual wildlife sightings 3 domestic geese.

Invertebrates

(from the Intertidal Biodiversity Checklist)

Please note any interesting observations or changes in abundance here

Snail egg collars comn

Sponges

Breadcrumb Sponge
Purple Sponge

Cnidarians

Anemones

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

x

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

x

Gumboot Chiton

Black Katy Chiton

Brick Chiton

Mossy Chiton

Tiger Chiton

Lined Chiton

Limpets

x

Dunce Cap Limpet

Plate Limpet

Snails

x

Hairy Triton

Sitka Periwinkle

Helicina Margarite

Puppet Margarite

Aleutian Moonsnail

Ridged Neptune

Channeled Dogwinkle

Emarginate Dogwinkle

Friiled Dogwinkle

File Dogwinkle

Big-mouth Whelk

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
Stained Macoma
Pacific Surf Clam
Truncated Mya
Steamer Clam (Pacific Littleneck Clam)
Butter Clam
Razor Clam

Mussels

x

x

Horse Mussel
Pacific Blue Mussel

Scallops

Pink Scallop

Jingles

Rock Jingle

Cephalopods

Giant Pacific Octopus
Stubby Squid

Arthropods

Barnacles

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

Human Activities

Walking	Signs of	1		
	Actual observation	1	3	
Camping	Signs of			1
	Actual observation			
Partying	Signs of			
	Actual observation			
Fire Pits	Signs of			
	Actual observation			
Trash Accumulations	Signs of			
	Actual observation			
Clamming	Signs of		1	
	Actual observation		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 activity.	Subsistence activity.	Road, quar

Vehicle Use

Cars/Trucks	Sets of tracks	1	
	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	3	1	4
Docks			1
Driftwood Structures			
Riprapped Areas			
Erosion Control Structures			
Abandoned Vehicles			
Abandoned Boats			
	Boat Parts		

Archaeological Sites

Shell Middens			2
Other (specify)			

Outfalls or Pipes

Number		1?	
Comments		Questionable--mucousy white stran	

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
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

1

Medical/Personal Hygiene

Condoms
Diapers
Syringes
Tampons/Tampon Applicators

Debris Items of Local Concern

Styrofoam Pieces
Plastic Pieces
Paper products
Metal Pieces
Other

2 rows of booms in front of Tutka lagoon.

Entangled Animals

Type of Animal
Form of Entangling Debris
Comments

Most Peculiar Item Collected?

Comments

Glass rare, 2 vehicle/ Glass rare. Glass, spo Aluminum

Additional Observations and Comments

Kayaked around Hesketh Island.

Bea

24-Sep-99	??-Sep-00	17-Oct-01	13-Oct-02	10.09.03	06.09.03	09.16.04	10.1.11	9/8-9/11/14
1300		1000	1000	900	1630	900		
1345		1130	1200	1100	1900	1115		
		-4.1	2.25	-1.8	5.5	-0.9		
		2146	225	909	1800	1035		
	50	42	45	55	52	36		
	cloudy	mostly clou	cloudy	cloudy	sunny	P. Cloudy		
	x		x	x	x	x		
		x	x		x			
1	x	x		x		x		
1	1	2	2	1	2	1	14	1
0.75	1	1.5	2	2	2.5	2.25	2.5	
0.75	1	3	4	2	5	2.25	35	0
0.25	1	0.75	1.5	0.5m	1.5	1.5	1.25	
		0.75	1.75	1	2	1.75		
x	x	x	x	x	x	x	x	
								x
			1	1	1	1	boat	
				1	5	4	0.95	<1
							17	<1lb
	1	1	1	1	0	1		1
8	7	20	34	24	8	15		
		9			0	0		
1		2		1	1	6		1
1					0	1		
1	1	1	2	1	0	1		
					0	0		

						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	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 rocky rocky rocky rocky & pebbles

moderate moderate constant along shore side of last beach thud out all along the coastline

3

3

1
1

2

2

1

1

3

2

3

1

2

5 kayakers

1

1

1

	0	0			
	0	0		1	
	0	0			
1	0	0			
	0	3	2	5	
	0	0		1	
	0	0		1	1
	1	0			
	0	0			
	0	0			1
	0	0			
	0	0		1	
	0	0			
	0	0		1	
	0	0			
	0	0			
	0	0			
	0	0			
	0	0			
2				152	1
		9		43	
				9	
				9	
1		7	2	3	

broken TV, shell of the korean water bottle
 Ktichen towel

Trash rare. Also 2 piec Only 2 pieces of glass, plastic clott very clean beach. Glass was 'beach' glass. Most

Vast numbers of blue r The beach is in good condition. I don't have a reference to years past. 55 gallon d

ich is surprisingly clean after a summer of boaters, fishers, kayakers, etc. Lots of evidence of sea star pred:

0

0

0

0

0

0

0

0

0

6
179
19
28
3
9
22

536
32
83

0
0
1
0

0
0
0
0
0
1
1
0

30
3
5
4

0
0
0
0
0
0
0

f sea sar wasting disease on some beaches but not al, on beaches where it was present about 25-50% i

3
0
0
4
7
10
3
1
18
0
1
6
0
0

0
0
1
0
0
0
1
0

0
1
0
1
10
1

2
1
0
1

0
0
1
0
2
0

0
0
0
0

155
52
9
9
13

garbage was from boat parts. A television shell was the only startling human garbage.

rum floating in middle of bay at high tide

ation - clam shells, urchin remains, holes in gravel

0

0

0

of true stars were affected.