

## 2011 Summary

# of Observers	862
Hours Spent	94.65
Person-Hours	1289
Shoreline Walked (miles)	74.12
Total Trip Mileage	84.49
Did Observers . . .	0
	Hike? x
	Kayak?
	Other (specify)?
Trash Bags Collected	249.15
Estimated Weight of Collected Trash	7031.5

### Wildlife

#### ***Birds***

Loons	6
Sea Ducks	217
Other Ducks and Geese	300
Bald Eagles	3
	Adults 11
	Immatures 3
	Nests 7
Shorebirds	0
Seabirds	698
Crows and Ravens	4
Others	0
	0

#### ***Domestic Mammals***

Cattle	0
Horses	0
Dogs	9
Other	0

#### ***Land Mammals***

Moose	0
	Adults 0
	Calves 0
Black Bears	0
Brown Bears	0
Land/River Otters	0
Red Squirrels	4
Tracks Identified	0
Other	0

#### ***Marine Mammals***

Sea Otters	14
Harbor Seals	15
Steller's Sea Lions	0

Harbor Porpoises	0
Whales	0
Beluga	0
Orca	0
Minke	0
Humpback	0
Gray	0
Unknown	0
Other/Unidentified	0

***Please note any unusual wildlife sightings***

**Invertebrates**

*(from the Intertidal Biodiversity Checklist)*

***Please note any interesting observations or changes in abundance here***

***Sponges***

Breadcrumb Sponge  
Purple Sponge

***Cnidarians***

***Anemones***

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

***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***

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

***Limpets***

Dunce Cap Limpet  
Plate Limpet

***Snails***

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

***Nudibranchs***

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

***Clams***

Nuttall'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***

Horse Mussel  
Pacific Blue Mussel

**Scallops**

Pink Scallop

**Jingles**

Rock Jingle

**Cephalopods**

Giant Pacific Octopus

Stubby Squid

**Arthropods****Barnacles**

Acorn Barnacle

Pelagic Gooseneck Barnacle

Thatched Acorn Barnacle

**Crabs**

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**

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

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

**Beach Substrate**

Type

**Bluff and Cliff Erosion**

Comments

**Human Activities**

Walking

Signs of

	Actual observation	9
Camping	Signs of	3
	Actual observation	1
Partying	Signs of	3
	Actual observation	0
Fire Pits	Signs of	8
	Actual observation	2
Trash Accumulations	Signs of	0
	Actual observation	0
Clamming	Signs of	0
	Actual observation	1
Fishing	Signs of	0
	Actual observation	0
Coaling	Signs of	0
	Actual observation	0
Picnicking	Signs of	1
	Actual observation	0
Horseback Riding	Signs of	0
	Actual observation	0
Harvesting (specify)	Signs of	0
	Actual observation	0
Other (specify)		0

### **Vehicle Use**

Cars/Trucks	Sets of tracks	4
	Actual observation	1
ATVs/Motorcycles	Sets of tracks	1
	Actual observation	1
Bicycles	Sets of tracks	0
	Actual observation	0
Aircraft	Sets of tracks	0
	Actual observation	0
Other (specify)		0

0

**Structures on the Beach**

Buildings	10
Docks	0
Driftwood Structures	3
Riprapped Areas	0
Erosion Control Structures	6
Abandoned Vehicles	3
Abandoned Boats	0
Boat Parts	0

**Archaeological Sites**

Shell Middens	0
Other (specify)	0

**Outfalls or Pipes**

Number	10
Comments	11

**Toxic Pollution**

Fuel (oil, gas, etc.)	0
Lubricating Oil	0
Paint	0
Batteries	0

**Trash & Debris**

(from International Coastal Cleanup Data Card)

***Shoreline and Recreational Activities***

Bags (Paper & Plastic)	938
Balloons	60
Beverage Bottles, plastic, 2-liter or less	569
Beverage Bottles, glass	770
Beverage Cans	941
Caps, Lids	893
Clothing, Cloth	268
Cups, Plates, Forks, Knives, Spoons	281
Food Wrappers/Containers	1531
6-pack Holders	34
Pull Tabs	53
Shotgun Shells/Wadding	257
Straws, Stirrers	375
Toys	58

***Ocean/Waterway Activities***

Bait Containers/Packaging	40
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Bleach/Cleaner Bottles	40
Buoys/Floats	91
Crab/Lobster/Fish Traps	9
Crates	8
Fishing Line	145
Fishing Lures	28
Fishing Nets	25
Light Bulbs/Tubes	10
Oil/Lube Bottles	21
Pallets	8
Plastic Sheeting/Tarps	138
Rope/cable	351
Strapping Bands	44

***Smoking-Related Activities***

Cigarettes/Cigarette Filters	2007
Cigarette Lighters	29
Cigar Tips	56
Tobacco Packaging/Wrappers	114

***Dumping Activities***

Appliances (refrigerators, washers, etc.)	14
Batteries	24
Building Materials	446
Cars/Car Parts	68
55-gallon Drums	2
Tires	171

***Medical/Personal Hygiene***

Condoms	7
Diapers	29
Syringes	1
Tampons/Tampon Applicators	7

***Debris Items of Local Concern***

Styrofoam pieces	9645
Plastic Pieces	2424
Paper products	611
Metal Pieces	1172
Other	238
	25051

**Total Pieces of Debris Collected**

***Entangled Animals***

Type of Animal  
Form of Entangling Debris  
Comments



***Most Peculiar Item Collected?***

***Comments***

**Additional Observations and Comments**