

Zone 20

Shore	south
Total Surveys	12
Start Point	Peterson Point (Peterson Bay)
End Point	Moosehead Point
Start Lat/Long	N 59°34.733' W 151°18.322'
End Lat/Long	
Dates Walked	1987-88, 90-91, 96, 1999-2002,04-05,07-09
Spring Surveys	7
Fall Surveys	10
First Walked	1987
Last Walked	2015
Total Person-Hours	474.25
Total Trash Bags Collected	55
Total Estimated Weight of Trash Collected	935

General Info

Date	25-Apr-87	25-Apr-87	30-Apr-88	28-Apr-90	6-May-90
Start Time				1230	1000
End Time				1530	1330
Lowest Tide					
	at time				
Temperature (F)					
Sky					
Vertical Zones Walked:					
High	x		x		
Middle	x		x		
Low	x				
# of Observers	16	6	3	5	9
Hours Spent	1	1	1	3	3.5
Person-Hours	16	6	3	15	31.5
Shoreline Walked (miles)			1	1.25	
Total Trip Mileage					
Did Observers . . .					
Hike?	x		x	x	x
Kayak?					
Other (specify)?					charter from
Trash Bags Collected					4
Estimated Weight of Collected Trash					

Wildlife Birds

Loons	2				1
Sea Ducks					7
Other Ducks and Geese					2
Bald Eagles					
Adults	1				4
Immatures					1
Nests	1				
Shorebirds					

Seabirds	7	42	3	6
Crows and Ravens	1			2
Others (see separate Bird list)				1

Domestic Mammals

Cattle				
Horses				
Dogs			1	2
Other				

Land Mammals

Moose				
		Adults		
		Calves		
Black Bears				
Brown Bears				
Land/River Otters				
Red Squirrels			1	3
Tracks Identified				
Other				

Marine Mammals

Sea Otters				2
Harbor Seals			1	2
Steller's Sea Lions				
Harbor Porpoises				10
Whales				
		Beluga		
		Orca		
		Minke		
		Humpback		
		Gray		
		Unknown		

Other/Unidentified

Please note any unusual wildlife sightings 1 dead duck, bird tracks, lg mammal tracks, [Candlefish,

Invertebrates

(from the Intertidal Biodiversity Checklist)

Please note any interesting observations or changes in abundance here

Due to stee

Sponges

Breadcrumb Sponge
Purple Sponge

Cnidarians

Anemones			x	x
Burrowing Green Anemone				
Orange Colonial Anemone				
Frilled (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			x		x
Gumboot Chiton					
Black Katy Chiton					
Brick Chiton					
Mossy Chiton					
Tiger Chiton					
Lined Chiton					
Limpets			x		x
Dunce Cap Limpet					
Plate Limpet					
Snails			x		x
Hairy Triton					
Sitka Periwinkle					
Helicina Margarite					
Puppet Margarite					
Aleutian Moonshell					
Ridged Neptune					
Channeled Dogwinkle					
Emarginate Dogwinkle					
Friiled Dogwinkle					
File Dogwinkle					
Big-mouth Whelk					
Nudibranchs					
Maned Nudibranch					
False Sea Lemon (False Lemon Peel)					
Orange-tipped Nudibranch					
Opalescent Nudibranch					
Bushy-backed Nudibranch					
Clams	x		x	x	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	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	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				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

Chordates

Tunicates
 Colonial Tunicate (Sea Pork)
 Sea Peach

Seaweeds

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

Beach Substrate

Type all rocky, pebt pebbles

Bluff and Cliff Erosion

Comments minor slight slight

Human Activities

Walking	Signs of Actual observation	4		1	
			2		11
Camping	Signs of Actual observation		2	1	
				1	9
Partying	Signs of Actual observation				
Fire Pits	Signs of Actual observation	5			
Trash Accumulations	Signs of Actual observation				
Clamming	Signs of Actual observation			1	
				1	
Fishing	Signs of Actual observation				
Coaling	Signs of Actual observation				6
Picnicking	Signs of Actual observation				
Horseback Riding	Signs of Actual observation		3		9
Harvesting (specify)	Signs of Actual observation				
Other (specify)	Signs of Actual observation				

Vehicle Use

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

Structures on the Beach

Buildings			4
Docks	1		1
Driftwood Structures			
Riprapped Areas			
Erosion Control Structures			
Abandoned Vehicles			
Abandoned Boats			
	Boat Parts	1	

Archaeological Sites

Shell Middens			
Other (specify)			1 reputed p

Outfalls or Pipes

Number
Comments

Toxic Pollution

Fuel (oil, gas, etc.)			
Lubricating Oil			
Paint			
Batteries			1

Trash & Debris

(from International Coastal Cleanup Data Card)

Shoreline and Recreational Activities

Bags (Paper & Plastic)			
Balloons			
Beverage Bottles, plastic, 2-liter or less	2		
Beverage Bottles, glass		1	
Beverage Cans	5	41	175
Caps, Lids			
Clothing, Cloth	1		
Cups, Plates, Forks, Knives, Spoons	3		
Food Wrappers/Containers			
Pull Tabs			
6-pack Holders			
Shotgun Shells/Wadding	4		
Straws, Stirrers			
Toys			

Ocean/Waterway Activities

Bait Containers/Packaging			
Bleach/Cleaner Bottles			
Buoys/Floats	5		
Crab/Lobster/Fish Traps	1	1	1 1
Crates			
Fishing Line			2
Fishing Lures			
Fishing Nets	1		1

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

Smoking-Related Activities

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

Dumping Activities

Appliances (refrigerators, washers, etc.)		1	
Batteries		1	
Building Materials		4	1
Cars/Car Parts	1	2	
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
 Other Plastic/foam packaging

Entangled Animals

Type of Animal
 Form of Entangling Debris
 Comments

Most Peculiar Item Collected?

Comments

Glass rare, metal, plas Glass rare.

Additional Observations and Comments

Suggestions: for sun t Lots of drift wood! We did for

28-Apr-91	4-May-91	21-Sep-96	23-Sep-99	16-Sep-00	16-Sep-01	26.09.02	9.28.04	9.25.05
820	1200		1100	1300	840	900	830	1215
920	1600		1200	1400	955	1100	1130	1400
-2.5	1.6				-3			3.8
901	1238				820			216
			45 sunny	mid 60s sunny	50s overcast	50 overcast	47 overcast	58 clear
				x	x	x	x	x
					x		x	
11	5	1	2	1	1	3	2	4
1	4	5	1	1	1.75	2	2.5	2
11	20	5	2	1	1.75	6	5	8
0.25				1.5	1.5	3	1.5	1
					1.5	4	1.75	2
x	x	x	x	x	x	x	x	x
n Homer, camped at P		boat	water taxi					boat
	1				1	1	3	3
						5	10	50
		1	5			3	2	
			12	3	9	23		
			3					
1	4	1	5		1	11	1	1
	1		1	1		1	2	
	1							

1	74	55	45	11		66
	107	76				200
	3	3		2		
						0
						0
						0
						0
						0
						0
						0
	1			3		0
			dog, some kind of hare			0
		1				1
	1	1		1	2	0
	1	3				2
	3					0
	3					7
						0
						0
						0
	3					0
						0
						0

Dolly Varden. 1 baby humpback and 1 I have beer Sand lance in gravel. 2 dead juv black-legged

rip beach, this is possib 1 dead sunstar. Invertebrate Kelp bryozoans, coralline algae, nudibranch eq

						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	
					shells	x
					shells	x
x	x					
					x	x
			x	x		
					shells	x
x	x					
					x	x
					x	x
					x	x
					x	x
					carapaces	
						x
						x
						x
						x
					carapaces/mc	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
sculpin, many washed up sea nettles, 22 flat bottomed stars from wrack line

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 see map rocky, pebbcky pebbles not uniform rocky

slight moderate wave action has created gravel terraces and wind here there is saltgrass we

	2		1	1	x	3
	1		3	1	0	1
				1	0 1	2
3	4			1		3
	2		1			

3 oyster farms

1	1	1
	1	

1 9 28 25 4 8 1 metal 1 x
1

weird boat/float thing from Wilderness l
1

prehistoric site

			1		0	1	3
					0		
					1		6
					0	1	
	1				0	3	1
					0	3	3
				1	0	2	
					0		2
					0	15	
					0		
					0		
					1	6	
					0		
					0		
					0		
					0		8
					0		
			1	4	0	37	
					0		1
					0		
					0		
					0		
					0		
					0	1	1

9.19.07	9.7.08	10.5.09	6.15.10	9.25.10	Mears MS 9.17.11	10.14.12	11.12.15	watershed 8.22.17
1015	1400	1100						
1115	1600	1300						
		-1.2						-4
		2128						9:35 AM
50	50	50						
clouds	clouds, rain	clouds						
x	x	x						
	x							
3	15	35	5	20	29	35	8	32
2	2	2	1	2	2	2	2	1.5
6	30	70	5	40	58	70	16	48
1	2	3	1	1	2	4		0.5
1.5	2	3	2	1		4		1.5
x	x	x	x	x	x	x		1
3	1	8	1	8	5	12	1	3
5	20	200	20	55	200	300	20	50
0	0	0						
1	0	0						
0	6	0						
3	0	1						
0	0	0						
0	0	0						
0	0	0						

15	1	0
		0
1	1	0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		2
0		0
0	domestic dog	
0		0
0		1
1		1
0		0
0		0
		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0

1 kittiwakes. Many sculpin.

ggs, possible topsnail and possible slippersnail. 12-armed 'blood' star, lg central disk.

		x
	orange encrusting sponge	
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

x
x

x
x

x
x

to barnacle zone

x
x

x

x
x

x

x
x

x

x

d, cobble, rubble, bedrock

yes with a shelf in between. The trend is a build-up of gravel over several years-very dynamic

7 1

4 1

0

6 1 2
1

0

0

0

1

0

0

0

1

0

0

1 CACS Stai CACS Stairs
2
3
0
0
0
0

0
0

0

5 lbs of drying tar

6		42	1		2	69		1
0					1			
3	1	1	2	1	2	22	3	1
3		13	1		1	11	2	1
1	7					21	2	1
13		12	3		4	38	10	2
3	3	3	1			15		
4	2	6			3	8		2
17		38	6		8	68	3	22
0						2		
0								
3	1	2	2	5	2	10	4	
0		1				3		
0		1	1	2		7		
		1	1			1		
3								
2	2	2	7					
			1					
			1					
		5	3	1	3	1		
			1		1			
2		1		1				
		1					1	

								1	
		1							
		25				3		2	
6	1	5	6	4	1		14	5	1
6		6						4	1
3		9	3	3	6		16	2	2
	1								
		4						2	2
								1	
18	6	179	24	49	28		51	3	18
								1	
	1								
								1	
57		642	44	257	1207	119		111	51
5			6	11	15	92		20	5
			2				21		
	1		1			2 11			
			3		1	9			
								1	110

USGS geological marker

construction pallet

laminated sign, pacifier, a lemon, pen, 1 wad of duct tape

1 substrate, The beach is in good condition

charter

TOTAL

0

0

0

14
57
9
38
7
2
0

326
386
11

0
0
3
0

0
0
0
0
2
8
0
2

9
11
3
20

0
0
0
3
0
0
0

125

1

44

33

257

86

29

28

155

2

0

40

4

11

11

3

60

7

1

16

2

8

1
3
2
33
54
16

45
2
6
1

2
4
520
5
0
1

0
1
2
0

2492
150
23
16
13
1