Chapman Point MCA Reports

Size

Name	Area (Acres)
Chapman Point MCA	42.6
Total	*42.6*

Adjacent County

Clatsop county is adjacent to this zone.

Islands and Rocks

This zone includes **3** acres of offshore islands.

There are **5** islands included within this zone.

Substrate Types

Subtidal Substrates

Name	Area (Acres)	Area (% of zone)
Sand	29.0	68.2
Rock	9.2	21.7
Total	*38.3*	*89.9*

Intertidal Substrates

Name	Area (Acres)	Area (% of zone)
Unclassified	24.0	56.4
Fine Unconsolidated Substrate	15.1	35.6
Rock Substrate	3.4	8.0
Coarse Unconsolidated Substrate	0.0	0.0
Total	*42.6*	*100.0*

Sea Level Rise Risk

Nearby sites have the following estimated risk from sea level rise (slr) of 0.5, 1.0, and 1.5 meters:

Name	SLR 0.5m	SLR 1.0m	SLR 1.5m
Ecola Point	Low	Low	None

Ranges for Estimated SLR Risk Levels:
- Increase or Less than 10% Loss (Minor)
- 11-29% Loss (Low)
- 30-49% Loss (Moderate)
- More than 50% Loss (High)

Key Species Present

Name
Total
No key species found

Important Bird Colonies

Importance	Number of Colonies
High	34

Three Nearest Cities

Name
Gearhart
Seaside
Cannon Beach

Shoreline

The selected designated area touches **0.8 miles** of shoreline.

Intertidal Area

This zone includes **10** acres of intertidal area in the 0m Sea Level Rise scenario.

Average Depth

Name	Average Depth (m)	Maximum Depth (m)	Minimum Depth (m)
Chapman Point MCA	2.7	-6	16

Positive values for minimum depth represents elevation above mean lower low water. Unusually high values indicate cliff edges that fall within 100m of Mean High Water.

Sea Level Rise

Sea level rise is predicted to cause the following changes in the intertidal habitat within this designated area:

Sea Level Rise Scenario	Remaining Intertidal Habitat (in Acres)[*]
0.5 Meters	6.1
1 Meter	5.1
1.5 Meter	3.5

[*]due to the fact that future intertidal areas may be above present-day MHW, this analysis is based on intertidal area contained in the unclipped site polygon.

Marine Mammal Species

Name	Species	Haulout Count
Steller sea lions	Eumetopias jubatus	0
Northern elephant seals	Mirounga angustirostris	0
California sea lions	Zalophus californianus	0
Pacific harbor seals	Phoca vitulina	0
Total	*--*	*0*

Long Term Research Species Found

Name
Total

Bird Species Present

Name

Importance	Number of Colonies
Medium	177
Total	*211*

- **High-importance** bird colonies are offshore colonies/complexes with ≥ 5,000 breeding birds, OR offshore or mainland colonies with Tufted Puffins, OR offshore colonies with Leach's Storm Petrels or Fork-tailed Storm Petrels.
- **Medium-importance** colonies include all rocks, reefs, and islands of Oregon Islands and Three Arch Rocks NWRs with breeding seabirds that were not included in Importance level 1, OR mainland seabird breeding sites with ≥ 1,000 breeding birds.
- **Low-importance** colonies are all other colonies.

Name
Unidentified cormorant
Double-crested cormorant
Brandt's cormorant
Pigeon guillemot
Black oystercatcher
Tufted puffin
Rhinocerous auklet
Common murre
West /glaucous-winged gull

Kelp

X The selected designated area **does not** overlap with any observed kelp areas.

Critical Habitats

Common Name	Species
Total	--

Ports

The three nearest ports are:

Name	Distance (Miles)
Port Of Nehalem	13.4
Port Of Astoria	19.9
Port Of Garibaldi	24.5

Overlap with Gray Whale Migration Pathways

X The selected designated area **does not** overlap with any Gray Whale migration pathways.

State Parks

The three nearest state parks are:

Name	Distance (Miles)
John Yeon	0
Ecola	0
Elmer Feldenheimer	0.9

NPDES Outfalls

There are **3** NPDES outfalls within 1 mile of this designated area.

Overlap with Long Term Research Areas

☐ The selected designated area overlaps with long term research areas.

Attendance at Nearby Parks

Parking lot visitor counts for nearby OPRD parking lots for the years 2016-2018:

Name	Bin	Trend	2016	2017	2018
John Yeon State Natural Site	None	None	None	None	None

Recreational Activities

Recreational activities in or near this designated area:

Activity Name	Count
Photography	1
Scenic enjoyment	1
Tide pooling	5
Total	8
Using a personal water craft (PWC)	1

These data are the panel point results from the following studies:

- **Boating Recreational Ocean Users Study**. This group aggregated the following activities: sailing, power boating, personal water crafts, windsurfing, kite boarding, charter trips, and tow-in surfing
- **The Human-powered group in the Recreational Ocean Users Study.** This group aggregated the following activities: Kayaking, Surfing, Swimming, Scuba diving, Snorkeling and Skimboarding.
- **The Shore group of the Recreational Ocean Users Study.** This group aggregated the following activities: beach going, hang-gliding, scenic enjoyment, storm watching, biking/hiking, off-road vehicles, and photography.
- Additional **Shore group of the Recreational Ocean Users Study**. This group aggregated the following activities: bird watching, tide-pooling and whale watching.

The data were collected to create a baseline of use patterns for Oregon's recreational non-consumptive ocean users. These data include only the last trip data collected over the summer of 2010. These data were collected as part of Oregon's Territorial Sea Plan revision.