

Oregon Ocean Planning

Otter Rock North Conservation Area Reports

Size

Name	Area (Acres)
Otter Rock North Conservation Area	717.3
<i>Total</i>	<i>717.3</i>

Adjacent County

Lincoln county is adjacent to this zone.

Islands and Rocks

This zone includes 1 acres of offshore islands.

There are 33 islands included within this zone.

Substrate Types

Subtidal Substrates

Name	Area (Acres)	Area (% of zone)
Rock	373.4	52.0
Sand	332.1	46.3
<i>Total</i>	<i>705.5</i>	<i>98.4</i>

Intertidal Substrates

Name	Area (Acres)	Area (% of zone)
Unclassified	159.8	22.3
Rock Substrate	10.3	1.4
Fine Unconsolidated Substrate	0.0	0.0
Coarse Unconsolidated Substrate	0.1	0.0
Boulder	0.1	0.0
<i>Total</i>	<i>170.3</i>	<i>23.7</i>

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
Otter Crest	Low	High	High
Rocky Creek State Wayside	Low	Moderate	Moderate
Otter / Gull Rock	None	None	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)

Long Term Research Species Found

Name
<i>Total</i>

Important Bird Colonies

Importance	Number of Colonies
High	9

Three Nearest Cities

Name
Siletz
Depoe Bay
Newport

Shoreline

The selected designated area touches **2.6 miles** of shoreline.

Intertidal Area

This zone includes 3 acres of intertidal area in the 0m Sea Level Rise scenario.

Average Depth

Name	Average Depth (m)	Maximum Depth (m)	Minimum Depth (m)
Otter Rock North Conservation Area	-4.8	-22	120

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	2.3
1 Meter	1.3
1.5 Meter	0.6

*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
<i>Total</i>	--	<i>0</i>

Key Species Present

Name
<i>Total</i>
<i>No key species found</i>

Bird Species Present

Name

Importance	Number of Colonies
Medium	106
Low	111
Total	226

- **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.

Overlap with Gray Whale Migration Pathways

The selected designated area overlaps with Gray Whale migration pathways.

Ports

The three nearest ports are:

Name	Distance (Miles)
Port Of Alsea	22
Port Of Tillamook Bay	46.4
Port Of Garibaldi	53.9

NPDES Outfalls

There are 1 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.

Name
Pelagic cormorant
Pigeon guillemot
Black oystercatcher
Tufted puffin
West./glaucous-winged gull

Critical Habitats

Common Name	Species
Total	--

Kelp

The selected designated area overlaps with 79.07 acres of observed kelp, which represents 1.06% of the total observed kelp in Oregon territorial waters.

State Parks

The three nearest state parks are:

Name	Distance (Miles)
Rocky Creek	0
Otter Crest	0
Devil'S Punch Bowl	0.3

Attendance at Nearby Parks

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

Name	Bin	Trend	2016	2017	2018
Rocky Creek State Scenic Viewpoint	101580	97916	95056	10,000-200,00	Increasing
Otter Crest State Scenic Viewpoint	None	None	None	None	None

Recreational Activities

Recreational activities in or near this designated area:

Activity Name	Count
Photography	1
Tide pooling	2
Total	3

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.