

## Oregon Ocean Planning

## Seal Rock Conservation Area Reports

## Size

Name	Area (Acres)
Seal Rock Conservation Area	1,057.2
<i>Total</i>	<i>1,057.2</i>

## Adjacent County

Lincoln county is adjacent to this zone.

## Islands and Rocks

This zone includes **5** acres of offshore islands.

There are **128** islands included within this zone.

## Substrate Types

## Subtidal Substrates

Name	Area (Acres)	Area (% of zone)
Sand	678.0	64.1
Rock	359.4	34.0
Muddy sand	4.8	0.5
<i>Total</i>	<i>1042.1</i>	<i>98.6</i>

## Intertidal Substrates

Name	Area (Acres)	Area (% of zone)
Unclassified	287.0	27.1
Fine Unconsolidated Substrate	132.4	12.5
Rock Substrate	22.5	2.1
Coarse Unconsolidated Substrate	0.0	0.0
Boulder	0.2	0.0
<i>Total</i>	<i>442.1</i>	<i>41.8</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
Seal Rock	Low	Low	Moderate

## 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>Acrosiphonia spp</i>
<i>Anthopleura xanthogrammica</i>
<i>Balanus glandula</i>
<i>Blue green algae</i>
<i>Callithamnion pikeanum</i>
<i>Callithrix</i>

## Three Nearest Cities

Name
Newport
Waldport
Toledo

## Shoreline

The selected designated area touches **6 miles** of shoreline.

## Intertidal Area

This zone includes **30** acres of intertidal area in the 0m Sea Level Rise scenario.

## Average Depth

Name	Average Depth (m)	Maximum Depth (m)	Minimum Depth (m)
Seal Rock Conservation Area	-5.4	-13	9

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) <sup>*</sup>
0.5 Meters	20.4
1 Meter	12.3
1.5 Meter	7.1

<sup>\*</sup>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	<i>Eumetopias jubatus</i>	2
Northern elephant seals	<i>Mirounga angustirostris</i>	2
California sea lions	<i>Zalophus californianus</i>	2
Pacific harbor seals	<i>Phoca vitulina</i>	2
<i>Total</i>	--	8

## Key Species Present

Name
<i>Fucus spp</i>
<i>Kornmannia spp</i>
<i>Monostroma spp</i>
<i>Mytilus californianus</i>
<i>Nucella canaliculata</i>
<i>Nucella emarginata</i>
<i>Nucella ostrina</i>

Name
<i>Centroceras spp</i>
<i>Ceramium spp</i>
<i>Chthamalus dalli</i>
<i>Chthamalus fissus</i>
<i>Cladophora columbiana</i>
<i>Corallina spp</i>
<i>Corallophila spp</i>
<i>Crustose corallines</i>
<i>Cryptopleura spp</i>
<i>Cryptosiphonia woodii</i>
<i>Cyanoplax spp</i>
<i>Diatoms</i>
<i>Edulis</i>
<i>Endocladia muricata</i>
<i>Fucus spp</i>
<i>Galloprovincialis</i>
<i>Hildenbrandia spp</i>
<i>Hymenena spp</i>
<i>Idotea spp</i>
<i>Katharina tunicata</i>
<i>Kormannia spp</i>
<i>Leptasterias spp</i>
<i>Littorina plena</i>
<i>Littorina scutulata</i>
<i>Lottia austrodigitalis</i>
<i>Lottia digitalis</i>
<i>Lottia paradigitalis</i>
<i>Lottia pelta</i>
<i>Lottia strigatella</i>
<i>Mastocarpus spp</i>
<i>Mazzaella parksii</i>
<i>Microcladia borealis</i>
<i>Monostroma spp</i>
<i>Mytilus californianus</i>
<i>Mytilus spp</i>
<i>Mytilus trossulus</i>
<i>Neorhodomela oregona</i>
<i>Nucella canaliculata</i>
<i>Nucella emarginata</i>
<i>Nucella ostrina</i>
<i>Odonthalia floccosa</i>
<i>Pachygrapsus crassipes</i>
<i>Pelvetiopsis spp</i>
<i>Petrocelis</i>
<i>Peyssonnelia spp</i>
<i>Phyllospadix torreyi</i>
<i>Pollicipes polymerus</i>
<i>Polysiphonia spp</i>
<i>Pterosiphonia bipinnata</i>
<i>Pyropia spp</i>
<i>Ralfsiaceae</i>
<i>Semibalanus cariosus</i>
<i>Smallimpet</i>
<i>Ulva spp</i>

**NPDES Outfalls**

There are **0** NPDES outfalls within 1 mile of this designated area.

**Attendance at Nearby Parks**

Name
<i>Pelvetiopsis spp</i>
<i>Pollicipes polymerus</i>
<i>Ulva spp</i>
<i>Total</i>

**Important Bird Colonies**

Importance	Number of Colonies
High	1
Medium	35
Low	19
<i>Total</i>	<i>55</i>

- **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.

**Bird Species Present**

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

**Critical Habitats**

Common Name	Species
<i>Total</i>	<i>--</i>

**Kelp**

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

**Overlap with Gray Whale Migration Pathways**

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

**Ports**

**The three nearest ports are:**

Name	Distance (Miles)
Port Of Alsea	3
Port Of Siuslaw	35
Port Of Umpqua	53.2

**State Parks**

**The three nearest state parks are:**

Name	Distance (Miles)
Seal Rock	0
Collins Creek	0
Brian Booth	0.2

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

Name	Bin	Trend	2016	2017	2018
Seal Rock State Recreation Site	75864	75496	80680	10,000-200,00	Increasing
Collins Creek State Recreation Site	None	None	None	None	None

**Overlap with Long Term Research Areas**

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

**Recreational Activities**

**Recreational activities in or near this designated area:**

Activity Name	Count
Photography	1
Storm Watching	1
Tide pooling	5
Total	9
Watching birds and/or other marine life from shore	2

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.