

Oregon Ocean Planning

Fogarty Creek 1 Reports

Size

Name	Area (Acres)
Fogarty Creek 1	86.4
<i>Total</i>	<i>86.4</i>

Adjacent County

Lincoln county is adjacent to this zone.

Islands and Rocks

This zone includes 1 acres of offshore islands.

There are 14 islands included within this zone.

Substrate Types

Subtidal Substrates

Name	Area (Acres)	Area (% of zone)
Sand	56.2	65.1
Rock	11.7	13.5
<i>Total</i>	<i>67.9</i>	<i>78.6</i>

Intertidal Substrates

Name	Area (Acres)	Area (% of zone)
Unclassified	77.4	89.6
Rock Substrate	5.2	6.0
Fine Unconsolidated Substrate	3.6	4.2
Coarse Unconsolidated Substrate	0.1	0.1
Boulder	0.1	0.1
Anthropogenic Rock Rubble	0.0	0.0
<i>Total</i>	<i>86.4</i>	<i>100.0</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
Fogarty Creek	Low	Moderate	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>Abietinaria spp</i>
<i>Acrosiphonia spp</i>
<i>Aglaophenia spp</i>
<i>Ahnfeltia fastigiata</i>
<i>Ahnfeltiopsis leptophylla</i>
<i>Ahnfeltiopsis linearis</i>

Three Nearest Cities

Name
Depoe Bay
Newport
Lincoln City

Shoreline

The selected designated area touches **1 miles** of shoreline.

Intertidal Area

This zone includes 14 acres of intertidal area in the 0m Sea Level Rise scenario.

Average Depth

Name	Average Depth (m)	Maximum Depth (m)	Minimum Depth (m)
Fogarty Creek 1	-0.3	-8	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) [*]
0.5 Meters	7.1
1 Meter	4.5
1.5 Meter	2.7

^{*}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>Bossiella spp</i>
<i>Egregia menziesii</i>
<i>Fucus spp</i>
<i>Kornmannia spp</i>
<i>Lessoniopsis littoralis</i>
<i>Mazzaella cordata</i>
<i>Mazzaella splendens</i>

Name
<i>Alaria marginata</i>
<i>Alia</i> spp
<i>Amphissa columbiana</i>
<i>Analipus japonicus</i>
<i>Anthopleura artemisia</i>
<i>Anthopleura elegantissima</i>
<i>Anthopleura sola</i>
<i>Anthopleura xanthogrammica</i>
<i>Balanus crenatus</i>
<i>Balanus glandula</i>
<i>Balanus nubilus</i>
Blue green algae
<i>Bossiella</i> spp
<i>Bryopsis</i> spp
<i>Bugula</i> spp
<i>Calliarthron</i> spp
<i>Calliostoma ligatum</i>
<i>Callothrix</i>
<i>Cancer magister</i>
<i>Cancer oregonensis</i>
<i>Cancer productus</i>
<i>Centroceras</i> spp
<i>Ceramium</i> spp
<i>Ceratostoma foliatum</i>
<i>Chaetomorpha spiralis</i>
<i>Chaetomorpha</i> spp
<i>Chondracanthus canaliculatus</i>
<i>Chthamalus dalli</i>
<i>Chthamalus fissus</i>
<i>Cladophora columbiana</i>
<i>Codium setchellii</i>
Colonial diatom
Colonial tunicate
<i>Colpomenia</i> spp
<i>Constantinea simplex</i>
<i>Corallina</i> spp
<i>Corallophila</i> spp
<i>Costaria costata</i>
Crustose corallines
<i>Cryptopleura</i> spp
<i>Cryptosiphonia woodii</i>
<i>Cucumaria</i> spp
<i>Cyanoplax</i> spp
<i>Derbesia marina</i>
Diatoms
<i>Dilsea californica</i>
<i>Dodecaceria</i> spp
<i>Edulis</i>
<i>Egregia menziesii</i>
<i>Endarachne</i> spp
<i>Endocladia muricata</i>
<i>Erythrophyllum delesserioides</i>
<i>Farlowsia</i> spp
<i>Flustrellidra corniculata</i>
<i>Fucus</i> spp
<i>Galloprovincialis</i>
<i>Gelidium coulteri</i>
<i>Gelidium</i> spp
<i>Gunnel</i>
<i>Halichondria</i> spp
<i>Haliclona</i> spp

Name
<i>Mazzaella</i> spp
<i>Monostroma</i> spp
<i>Mytilus californianus</i>
<i>Neorhodomela larix</i>
<i>Nucella canaliculata</i>
<i>Nucella emarginata</i>
<i>Nucella ostrina</i>
<i>Pelvetiopsis</i> spp
<i>Phyllospadix scouleri</i>
<i>Pisaster ochraceus</i>
<i>Pollicipes polymerus</i>
<i>Saccharina sessilis</i>
<i>Strongylocentrotus purpuratus</i>
<i>Tegula funebris</i>
<i>Tetraclita rubescens</i>
<i>Ulva</i> spp
Total
No key species found

Important Bird Colonies

Importance	Number of Colonies
Low	6
Total	6

- **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
Pigeon guillemot
Black oystercatcher

Critical Habitats

Common Name	Species
Total	--

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	27.8
Port Of Tillamook Bay	41.8
Port Of Garibaldi	49.4

Name
<i>Halosaccion glandiforme</i>
<i>Halymenia spp</i>
<i>Henricia spp</i>
<i>Hildenbrandia spp</i>
<i>Hymenena spp</i>
<i>Idotea spp</i>
<i>Katharina tunicata</i>
<i>Kormannia spp</i>
<i>Lacuna spp</i>
<i>Laminaria setchellii</i>
<i>Laminaria sinclairii</i>
<i>Leathesia spp</i>
<i>Lepidozona spp</i>
<i>Leptasterias spp</i>
<i>Lessoniopsis littoralis</i>
<i>Lirularia spp</i>
<i>Littorina keenae</i>
<i>Littorina plena</i>
<i>Littorina scutulata</i>
<i>Littorina sitkana</i>
<i>Littorina spp</i>
<i>Littorina subrotundata</i>
<i>Lottia austrodigitalis</i>
<i>Lottia conus</i>
<i>Lottia digitalis</i>
<i>Lottia paradigitalis</i>
<i>Lottia pelta</i>
<i>Lottia scabra</i>
<i>Lottia scutum</i>
<i>Lottia strigatella</i>
<i>Margarites spp</i>
<i>Mastocarpus spp</i>
<i>Mazzaella cordata</i>
<i>Mazzaella parksii</i>
<i>Mazzaella splendens</i>
<i>Mazzaella spp</i>
<i>Microcladia borealis</i>
<i>Microcladia coulteri</i>
<i>Monostroma spp</i>
<i>Mopalia spp</i>
<i>Mytilus californianus</i>
<i>Mytilus spp</i>
<i>Mytilus trossulus</i>
<i>Neoptilota spp</i>
<i>Neorhodomela larix</i>
<i>Neorhodomela oregona</i>
<i>Nucella canaliculata</i>
<i>Nucella emarginata</i>
<i>Nucella lamellosa</i>
<i>Nucella ostrina</i>
<i>Ocinebrina lurida</i>
<i>Odonthalia floccosa</i>
<i>Osmundea sinicola</i>
<i>Osmundea spectabilis</i>
<i>Pachygrapsus crassipes</i>
<i>Pagurus granosimanus</i>
<i>Pagurus hirsutiussculus</i>
<i>Pagurus samuelis</i>
<i>Pelvetiopsis spp</i>
<i>Petalonia spp</i>
<i>Petrocelis</i>

State Parks

The three nearest state parks are:

Name	Distance (Miles)
Fishing Rock	0
Fogarty Creek	0.2

NPDES Outfalls

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

Attendance at Nearby Parks

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

Name	Bin	Trend	2016	2017	2018
Fogarty Creek State Recreation Area	337960	379448	319704	200,000-500,000	Increasing
Fishing Rock State Recreation Site	None	None	None	None	None

Overlap with Long Term Research Areas

X The selected designated area **does not** overlap with any long term research areas.

Recreational Activities

Recreational activities in or near this designated area:

Activity Name	Count
Beach going (dog walking, kite flying, jogging, etc.)	4
Photography	6
Scenic enjoyment	3
Storm Watching	3
Tide pooling	9
Total	27
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.

Name
<i>Petrolisthes spp</i>
<i>Peyssonnelia spp</i>
<i>Phaeostrophion spp</i>
<i>Phragmatopoma spp</i>
<i>Phyllospadix scouleri</i>
<i>Phyllospadix torreyi</i>
<i>Pikea spp</i>
<i>Pisaster ochraceus</i>
<i>Pista spp</i>
<i>Plocamium oregonum</i>
<i>Plocamium pacificum</i>
<i>Plocamium violaceum</i>
<i>Pollicipes polymerus</i>
<i>Polyneura latissima</i>
<i>Polysiphonia spp</i>
<i>Prionitis lanceolata</i>
<i>Prionitis sternbergii</i>
<i>Pseudocnus spp</i>
<i>Pterosiphonia bipinnata</i>
<i>Pterosiphonia dendroidea</i>
<i>Pterosiphonia pennata</i>
<i>Pterosiphonia spp</i>
<i>Ptilota spp</i>
<i>Pugettia producta</i>
<i>Pyropia spp</i>
Ralfsiaceae
<i>Ritterella spp</i>
<i>Sabellaria spp</i>
<i>Saccharina sessilis</i>
<i>Schizymenia spp</i>
<i>Sculpins</i>
<i>Semibalanus cariosus</i>
<i>Semibalanus spp</i>
<i>Small balanus spp</i>
<i>Smallimpet</i>
<i>Strongylocentrotus purpuratus</i>
<i>Styela montereyensis</i>
<i>Symplectoscyphus turgidus</i>
<i>Tegula funebris</i>
<i>Tetraclita rubescens</i>
<i>Tonicella lineata</i>
<i>Tonicella lokii</i>
<i>Ulva spp</i>
<i>Urticina coriacea</i>
<i>Velutina spp</i>
<i>Total</i>

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