

OPAC Cascade Head MR Area for Further Consideration Comprehensive Analysis Report



Report Summary

Type: Comprehensive
 Nearshore Habitat: OPAC Cascade Head MR Area for Further Consideration
 ID #: 17

Geographic Setting			
Adjacent County	Nearest Ports	Nearest Incorporated Cities	Nearest Rocky Shore Areas
TILLAMOOK	Pacific City (7.0 mi)	Lincoln City (0.2 mi)	Road's End Headland (0.0 mi)
LINCOLN	Siletz Bay (7.4 mi)	Depoe Bay (12.6 mi)	Harts Cove (0.0 mi)
	Depoe Bay (13.7 mi)	Siletz (19.8 mi)	South Cascade Head (0.0 mi)

General Site Characteristics				
Area	Perimeter	Intertidal	Islands	Percent of Territorial Sea
23.73 (sq_mi)	24.42 (mi)	Yes	Yes	1.89 %

Intertidal Physical Characteristics				
Length of Intertidal Shoreline	Percent of Oregon Coast Shoreline	Shoreline Types & Proportions	Number of Islands	Total Island Area

Intertidal Physical Characteristics

Length of Intertidal Shoreline	Percent of Oregon Coast Shoreline	Shoreline Types & Proportions		Number of Islands	Total Island Area
10.36 (mi)	2.19 %	66%	Exposed Rocky Shores (4.43 mi)	73 islands	0.015 (sq_mi)
		16%	Gravel Beaches / Exposed Riprap (1.09 mi)		
		14%	Fine-grained Sandy Beaches (0.94 mi)		
		1%	Exposed Rocky Platforms (0.09 mi)		
		1%	Mixed Sand and Gravel Beaches (0.08 mi)		
		1%	Coarse-grained Sandy Beaches (0.07 mi)		
		0%	Undefined (0.00 mi)		

Subtidal Physical Characteristics

Subtidal Area	Percent Shallow Percent Deep	Seafloor Lithology	Average Depth	Proximity to Shore
23.7 (sq_mi)	31.2 % shallow 68.8 % deep	97.5% Sand (23.10 mi)	-36.53 (meters)	0.0 (mi)
		1.4% Rock (0.33 mi)		
		0.5% Gravel (0.12 mi)		
		0.2% Shell (0.05 mi)		
		0.2% Mud (0.04 mi)		
		0.1% Sand/Gravel (0.03 mi)		
		0.1% Sand/Shell (0.02 mi)		

Intertidal Biological Characteristics

Pinniped Haulouts	Stellar Sea Lion Rookeries	Bird Colonies
Yes (2 haulouts)	No (0 rookeries)	Yes (88 colonies)
Pinniped Haulout Details		Bird Colony Details
CASCADE HEAD , (SEA LION COVE_2)		"Cascade Head South" , (Colony #219-074)
Stellar Sea Lions		Black Oystercatcher
California Sea Lions		Pelagic Cormorant
		Pigeon Guillemot
CASCADE HEAD , (SEA LION COVE_3)		West./Glaucous-winged Gull
Stellar Sea Lions		
California Sea Lions		"Center Point" , (Colony #219-068)
		Brandt's Cormorant
		Common Murre
		Pelagic Cormorant
		Pigeon Guillemot
		West./Glaucous-winged Gull
		"Harts Cove South" , (Colony #219-067.1)
		Pelagic Cormorant
		Pigeon Guillemot
		"Two Arches Rock" , (Colony #219-072)
		Black Oystercatcher
		Brandt's Cormorant
		Common Murre
		Pelagic Cormorant
		Pigeon Guillemot
		West./Glaucous-winged Gull
		"Unnamed Colony" , (Colony #219-064.1)
		Pigeon Guillemot
		"Unnamed Colony" , (Colony #219-064.2)
		Black Oystercatcher
		Pelagic Cormorant

Intertidal Biological Characteristics

Pinniped Haulouts

Stellar Sea Lion Rookeries

Bird Colonies

Pigeon Guillemot

Rhinoceros Auklet

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-064.3)

Pelagic Cormorant

Pigeon Guillemot

Rhinoceros Auklet

"Unnamed Colony" , (Colony #219-065)

Black Oystercatcher

Pigeon Guillemot

Rhinoceros Auklet

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-065.1)

Black Oystercatcher

Pelagic Cormorant

Pigeon Guillemot

"Unnamed Colony" , (Colony #219-066)

Pelagic Cormorant

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-066.1)

Brandt's Cormorant

Common Murre

"Unnamed Colony" , (Colony #219-067.2)

Black Oystercatcher

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-067.3)

Pelagic Cormorant

"Unnamed Colony" , (Colony #219-069)

Brandt's Cormorant

Common Murre

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-070)

Brandt's Cormorant

Common Murre

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-071)

Black Oystercatcher

Brandt's Cormorant

Common Murre

Pigeon Guillemot

Tufted Puffin

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-073)

Brandt's Cormorant

Common Murre

Pelagic Cormorant

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-079)

Intertidal Biological Characteristics

Pinniped Haulouts

Stellar Sea Lion Rookeries

Bird Colonies

Black Oystercatcher

Pelagic Cormorant

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-079.1)

Black Oystercatcher

Pelagic Cormorant

"Unnamed Colony" , (Colony #219-080)

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-081)

Black Oystercatcher

Pelagic Cormorant

Pigeon Guillemot

West./Glaucous-winged Gull

"Unnamed Colony" , (Colony #219-081.1)

Black Oystercatcher

Pelagic Cormorant

Pigeon Guillemot

Three Rocks (Middle) , (Colony #219-076)

West./Glaucous-winged Gull

Three Rocks (North) , (Colony #219-075)

Black Oystercatcher

Brandt's Cormorant

Common Murre

Pelagic Cormorant

Pigeon Guillemot

West./Glaucous-winged Gull

Three Rocks (South) , (Colony #219-077)

Black Oystercatcher

Brandt's Cormorant

Common Murre

Pigeon Guillemot

West./Glaucous-winged Gull

Subtidal Biological Characteristics

Habitat Types & Proportions

97.71 % Sedimentary Shelf (23.00 sq_mi)

2.29 % Rocky Shelf (0.54 sq_mi)

Predicted Fish Species

(Provided by [NOAA's Northwest Fisheries Science Center](#))

Arrowtooth Flounder (*Atheresthes stomias*)

Big Skate (*Raja binoculata*)

Bocaccio (*Sebastes paucispinis*)

Brown smoothhound (*Mustelus henlei*)

Buffalo sculpin (*Enophrys bison*)

Butter Sole (*Isopsetta isolepis*)

Calico surfperch (*Amphistichus koelzi*)

California Skate (*Raja inornata*)

California halibut (*Paralichthys californicus*)

California sea cucumber (*Parastichopus californicus*)

Chilipepper (*Sebastes goodei*)

Coonstripe or Dock shrimp (*Pandalus danae*)

Curlfin Sole (*Pleuronichthys decurrens*)

Darkblotched Rockfish (*Sebastes crameri*)

Dungeness crab (*Cancer magister*)

Subtidal Biological Characteristics

Habitat Types & Proportions

Predicted Fish Species

(Provided by [NOAA's Northwest Fisheries Science Center](http://www.noaa.gov))

English Sole (*Parophrys vetulus*)
 Flathead Sole (*Hippoglossoides elassodon*)
 Giant wrymouth (*Delolepis gigantea*)
 Green sturgeon (*Acipenser medirostris*)
 Greenspotted Rockfish (*Sebastes chlorostictus*)
 Greenstriped Rockfish (*Sebastes elongatus*)
 Grunt sculpin (*Rhamphocottus richardsonii*)
 Halfbanded Rockfish (*Sebastes semicinctus*)
 Lingcod (*Ophiodon elongatus*)
 Longnose Skate (*Raja rhina*)
 Lumptail searobin (*Prionotus stephanophrys*)
 Market squid (*Loligo opalescens*)
 Oregon triton (*Fusitriton oregonensis*)
 Pacific Cod (*Gadus macrocephalus*)
 Pacific Sanddab (*Citharichthys sordidus*)
 Pacific angel shark (*Squatina californica*)
 Pacific electric ray (*Torpedo californica*)
 Pacific sand lance (*Ammodytes hexapterus*)
 Pacific sandfish (*Trichodon trichodon*)
 Pacific staghorn sculpin (*Leptocottus armatus*)
 Petrale Sole (*Eopsetta jordani*)
 Pile Perch (*Rhacochilus vacca*)
 Pricklebreast poacher (*Stellerina xyosterna*)
 Pygmy poacher (*Odontopyxis trispinosa*)
 Razor clam (*Siliqua patula*)
 Red rock crab (*Cancer productus*)
 Redbanded Rockfish (*Sebastes babcocki*)
 Rex Sole (*Glyptocephalus zachirus*)
 Rock Sole (*Lepidopsetta bilineata*)
 Rock greenling (*Hexagrammos lagocephalus*)
 Rosethorn Rockfish (*Sebastes helvomaculatus*)
 Roughback sculpin (*Chitonotus pugetensis*)
 Roughey Rockfish (*Sebastes aleutianus*)
 Sablefish (*Anoplopoma fimbria*)
 Saddleback gunnel (*Pholis ornata*)
 Sand Sole (*Psettichthys melanostictus*)
 Sand dollar (*Dendraster excentricus*)
 Sharpchin Rockfish (*Sebastes zacentrus*)
 Sharpnose sculpin (*Clinocottus acuticeps*)
 Shiner perch (*Cymatogaster aggregata*)
 Shortbelly Rockfish (*Sebastes jordani*)
 Snake prickleback (*Lumpenus sagitta*)
 Speckled sanddab (*Citharichthys stigmaeus*)
 Splitnose Rockfish (*Sebastes diploproa*)
 Starry Flounder (*Platichthys stellatus*)
 Striped Surfperch (*Embiotoca lateralis*)
 Stripetail Rockfish (*Sebastes saxicola*)
 Sturgeon poacher (*Podothecus accipenserinus*)
 Topsmelt (*Atherinops affinis*)
 Tubesnout (*Aulorhynchus flavidus*)
 Vermilion Rockfish (*Sebastes miniatus*)
 Walleye surfperch (*Hyperprosopon argenteum*)
 White sturgeon (*Acipenser transmontanus*)
 White surfperch (*Phanerodon furcatus*)
 Widow Rockfish (*Sebastes entomelas*)
 Wolf-eel (*Anarrhichthys ocellatus*)
 Yellowtail Rockfish (*Sebastes flavidus*)

Kelp Survey Year
 None Recorded

Kelp Proportions

Community & Recreational Considerations**Nearest State Parks**

Roads End State Park (0.00 mi)
 Neskowin Beach State Park (0.37 mi)
 Devil's Lake State Park (2.49 mi)

Nearest Public Access

150' N. of 72nd/Roads End , Unincorporated Lincoln County (0.0 mi)
 50' N. of 68th/Roads End , Unincorporated Lincoln County (0.1 mi)
 N. of 66th St./Roads End , Unincorporated Lincoln County (0.1 mi)

Existing or Proposed Transportation & Infrastructure Considerations

Dredge Materials Disposal	NPDES Outfall	Undersea Cables	Towlanes	Wave Energy
No	No	No	Yes	No
Closest DMD Sites	Closest Outfall	Closest Cable		Closest Wave Energy
Expanded North Site (25.61 mi)	NESKOWIN REGIONAL SANITARY AUTHORITY STP (0.58 mi)	North Pacific Cable (7.24 mi)		Reedsport OPT Wave park (83.96 mi)

Fishery Considerations

Proximity to Ports	Proximity to Existing State MMAs	Proximity to ODFW Closures	Proximity to EFH Conservation Areas
Pacific City (7.0 mi)	Cape Kiwanda Marine Gardens (8.3 mi)	Orford Reef Seasonal Closure Urchin Fishery (153.3 mi)	Newport Rockpile/Stonewall Bank (30.0 mi)
Siletz Bay (7.4 mi)	Boiler Bay Research Reserve (11.6 mi)	Rogue Reef - Pyramid Rock Closure (177.8 mi)	Daisy Bank/Nelson Island (38.1 mi)
Depoe Bay (13.7 mi)	Pirate Cove Research Reserve (13.0 mi)	Rogue River Commercial Fishery Closure (178.7 mi)	Siletz Deepwater (47.6 mi)