Seafloor and Shoreline Reference Chart Series — North Coast Section of Oregon — Chart 1

124°50'W 124°45'W 124°40'W 124°35'W 124°30'W 124°25'W 124°20'W 124°15'W 124°10'W 124°5'W 124°0'W 123°55'W 123°50'W 123°45'W

49°0'N 48°55'N 48°50'N 48°45'N 48°40'N 48°35'N 48°30'N 48°25'N

Nehalem Bank

Columbia River
Washington
Oregon
A01
Warrenton
Astoria
A02
Gearhart
Seaside
A03
Tillamook Head
Indian Beach
Ecola Point
Necanicum River
Cannon Beach
Neahkahnie Haystack Rock
A04
Arcadia Beach
Arch Cape
Clatsop County
Cape Falcon
Smuggler's Cove
Tillamook County
A05
Manzanita
Nehalem
Nehalem Bay
Nehalem River
Wheeler
A06
A07
Rockaway Beach
Garibaldi
Miami River
Bay City
Tillamook Bay
Pillar and Pyramid Rocks
Cape Meares
Maxwell Point
Three Arch Rocks
Wilson River
Tillamook
Trask River
Netarts Bay
A08
A09
South Cliff Face
South Intertidal
Lewis and Clark River
Youngs River

Chart Locator Map
Astoria and Seaside
Chart 1
Tillamook
Lincoln City
Chart 2
Newport
Florence
Chart 3
Reedsport
Chart 4
Bandon
Port Orford
Chart 5
Crescent City
Oregon

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NOT FOR NAVIGATIONAL USE.

124°40'W 124°35'W 124°30'W 124°25'W 124°20'W 124°15'W 124°10'W 124°5'W 124°0'W 123°55'W 123°50'W 123°45'W 123°40'W

Shoreline Geomorphology and Exposure (NOAA ESI)

- Undefined
- Marshes
- Exposed Rocky Shores and vertical seawalls
- Wave-cut platforms and exposed pier structures
- Fine-grained sand beaches
- Medium-to coarse-grained sand beaches
- Mixed sand and gravel beaches
- Gravel beaches and exposed riprap
- Sheltered rocky shores and coastal structures
- Sheltered tidal flats

Oregon Seafloor Sediment (OSU, 2004)

Sediment Type (Dominant/Subdominant)

- ROCK
- BOULDER
- COBBLE
- GRAVEL
- MIX SAND/GRAVEL
- SAND
- SAND/MUD
- MUD

Territorial Sea Sediment Map (OSU, 2008)

Sediment Type

- Rock
- Rock/Shell
- Rock/Sand
- Boulder
- Cobble
- Gravel
- Shell/Gravel
- Shell
- Sand/Gravel
- Sand/Shell
- Sand
- Mud/Sand
- Mud

- Oregon Territorial Sea 3 nm
- Evaluation Proposal Map Index
- Rocky Reef, Groundfish Essential Fish Habitat
- Depth Contours, 25m (OSU, 2008)

Note: The white pixels to west of the shoreline represent areas where no elevation data exist.

A Product of the
Oregon Marine Mapping Group

Electronic copies and data available at:
www.OregonMarineReserves.net/Charts/
www.PaCOOS.COAS.Oregonstate.edu

Map Scale: 1:100,000
Map Projection: Albers Equal Area
Datum: NAD 1983

0 1 2 3 Nautical Miles

0 1 2 4 6 8 Kilometers

THIS MAP IS FOR GENERAL REFERENCE ONLY.

Habitat map created at the Active Tectonics and Seafloor Mapping Lab, Oregon State University College of Oceanic and Atmospheric Sciences with assistance from the Oregon State Department of Land Conservation and Development.

References:
Goldfinger, C., Agapito, M., Haddad, T., Dana, R., Romsos, C., 2008, Preliminary Nearshore Habitat Map of the Oregon Territorial Sea, Digital Map 08-01, Oregon State University.

Agapito, M., 2008, Mapping and Lithologic Interpretation of the Oregon Territorial Sea, MS Thesis, Oregon State University, Corvallis, OR., 100 p.

The spatial information shown in this map was obtained from a variety of sources. Care was taken in the presentation of these data, and they are provided "as is". The cartographers accept no responsibility for errors, omission, or positional accuracy in the underlying digital data. There are no warranties, expressed or implied accompanying these maps. Notification of any errors would be appreciated.

The data layers presented in these maps are a compilation of various data collection efforts and may represent multiple surveys over time. For detailed information about any one layer, please see the associated documentation.

For the seafloor information represented in these charts, the underlying data were acquired at various spatial scales and resolutions with inconsistent spatial coverage. For areas where fine scale data exists the interpretation of habitat is much more detailed.

Cartography by Andy Lanier and Barb Seekins
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