



Oregon Coordinated Aquatic Bird Monitoring:
Description of Important Aquatic Bird Site

Necanicum River Estuary

BCS number: 47-20

****NOTE: We were unable to determine all necessary information for this site description. If you would like to contribute the needed information to this description, please contact the Klamath Bird Observatory at kbo@klamathbird.org*

Site description author(s)

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Primary contact for this site

N/A

Site location (UTM)

Datum: NAD83, Zone: 10, Easting: 428598, Northing: 5095727

General description

“Necanicum River Estuary is located on the northern Oregon coast where the Necanicum River enters the Pacific Ocean, at Seaside, Clatsop County. The Necanicum and Neawanna Rivers flow into this estuary. The estuary includes submerged lands and a large tidal flat surrounded by dunes, sitka spruce forest and residential areas.” (National Audubon Society 2010)

The Necanicum River Estuary is approximately 451 acres in area and has a watershed of approximately 87 square miles. The estuary is designated as a Conservation estuary under the Oregon Estuary Classification system. The geomorphology of the area is that of a Bar Built estuary. (Oregon Coastal Management Program n.d.)

Boundaries and ownership

Boundaries:

Ownership:

Water levels

Briefly outline historical water levels, since being managed. What causes water level fluctuations? How does water level fluctuate throughout the year?

Unknown

Focal species use and timing

Focal Group/Species	Wintering	Breeding	Migration
Secretive Marsh Bird Group	Unknown	Unknown	Unknown
Colonial Nesting Bird Group	Present	Present	Unknown
Migrating Shorebird Group	Unknown	Present	Present
Ground-based Waterbird Group	Unknown	Unknown	Unknown
American Bittern	Unknown	Unknown	Unknown
American White Pelican	Unknown	Unknown	Unknown
Barrow's Goldeneye	Unknown	Unknown	Unknown
Black Tern	Unknown	Unknown	Unknown
Black-crowned Night Heron	Unknown	Unknown	Unknown
Black-necked Stilt	Unknown	Unknown	Unknown
Bufflehead	Unknown	Unknown	Unknown
California Gull	Unknown	Unknown	Unknown
Caspian Tern	Unknown	Unknown	Unknown
Clark's Grebe	Unknown	Unknown	Unknown
Common Loon	Unknown	Unknown	Unknown
Dusky Canada Goose	Unknown	Unknown	Unknown
Eared Grebe	Unknown	Unknown	Unknown
Forster's Tern	Unknown	Unknown	Unknown
Franklin's Gull	Unknown	Unknown	Unknown
Great Blue Heron	Present	Present	Unknown
Greater Sandhill Crane	Unknown	Unknown	Unknown
Green Heron	Unknown	Unknown	Unknown
Least Bittern	Unknown	Unknown	Unknown
Lesser Sandhill Crane	Unknown	Unknown	Unknown
Long-billed Curlew	Unknown	Present	Present
Pied-billed Grebe	Unknown	Unknown	Unknown
Red-necked Grebe	Unknown	Unknown	Unknown
Snowy Egret	Unknown	Unknown	Unknown
Sora	Unknown	Unknown	Unknown
Upland Sandpiper	Unknown	Unknown	Unknown
Virginia Rail	Unknown	Unknown	Unknown
Western Grebe	Unknown	Unknown	Unknown
Western Snowy Plover	Unknown	Present	Unknown
White-faced Ibis	Unknown	Unknown	Unknown
Yellow Rail	Unknown	Unknown	Unknown

Location of Type 1 and 2 habitat within the site

Functional Group	Type 1 Habitat	Type 2 Habitat
Ground Based Aquatic Birds	Unknown	Unknown
Secretive Marsh Birds	Unknown	Unknown
Colonial Nesters	Emergent vegetation along riparian edges	Unknown
Migrating Shorebirds	Tidal Flats	Unknown

Access to Type 1 and Type 2 habitats

The Estuary Walking Trail is accessible from the 12th Avenue parking lot in Seaside, OR.

Audibility/visibility of focal species

Describe any issues that would diminish the detectability of birds. e.g Secretive marsh birds are difficult to detect due to hwy noise

Unknown

Conservation issues

Unknown

Conservation measures taken, in progress, or proposed

- Passive Restoration
- Vegetative shoreline stabilization
- Maintenance dredging of the river only, not in marshes, tide flats, or other productive subtidal areas.

Past and current surveys

Briefly describe past and or current surveys, and how completed. Refer to certain protocols/other documents or persons (list contact info) if survey specifics are unknown

Unknown

Potential survey methods

Description: (describe survey methods that are appropriate for your site and recommend the best means in which to complete them considering the limitations and history above. Include information on suggested standardized or specialized protocols)

Unknown

Selection bias: (Discuss the potential for selection bias when designing a survey in the future, especially when sub-sample of the site will be studied. Point out how bias could be introduced and recommend ways to prevent this)

Unknown

Measurement error and bias:

Unknown

Potential pilot studies

Unknown

Literature cited

- Google, Inc. 2010. Necanicum River Estuary. Google Earth (Version 5.1.3533.1731) [Software]. Available from <http://earth.google.com>. Accessed March 03, 2010.
- Google Map. 2010. Road view map of Necanicum River Estuary. <http://maps.google.com/>. Accessed March 03, 2010.
- National Audubon Society. 2010. Important Bird Areas in the U.S. Available at <http://www.audubon.org/bird/iba>. Accessed March 03, 2010.
- Oregon Coastal Management Program. n.d. Necanicum River Estuary webpage. http://www.coastalatlantlas.net/index.php?option=com_custompages&e=2&Itemid=68. Accessed March 03, 2010.
- U. S. Fish and Wildlife Service (USFWS). 2010. National Wetlands Inventory website. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. <http://www.fws.gov/wetlands/>. Accessed March 03, 2010.

Figure 1. Google Earth (2010) map of Necanicum River Estuary with the USFWS National Wetlands Inventory (2010) layer.



Figure 2. Google Map (2010) road view of Necanicum River Estuary.

