

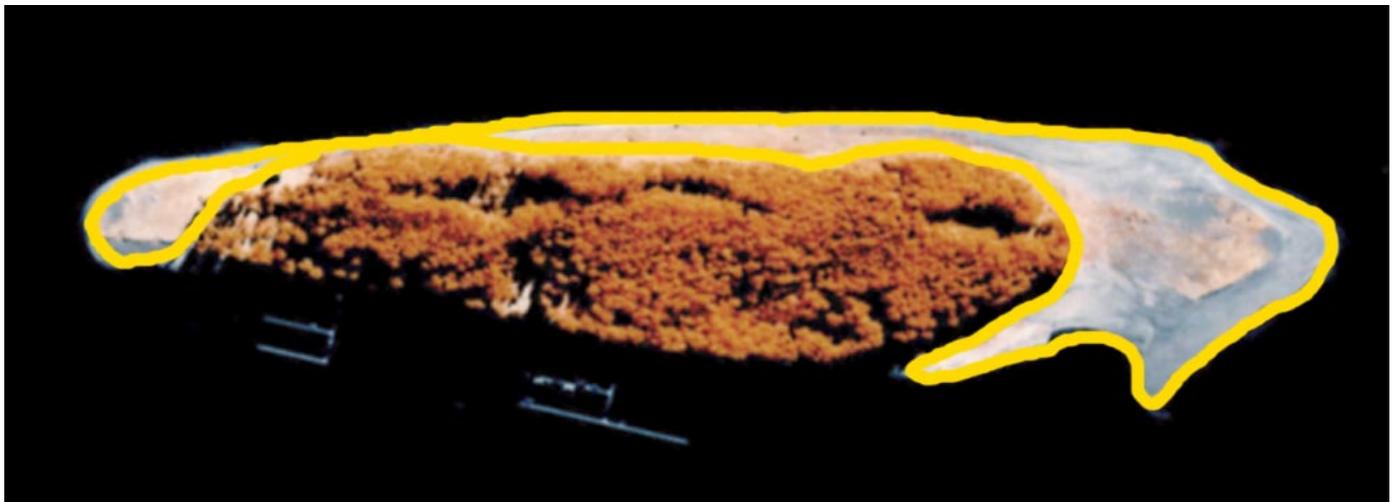
Sand Island, O-86.2

Size: 28 Acres

Elevation: 5 to 20 feet above Mean Sea Level

Owner: Port of St. Helens

Description: Sand Island is adjacent to the town of St. Helens, Oregon. The site is currently a disposal site for maintenance dredging. It occupies most of the entire island and is 4,600 feet long. There are no improvements on the island and no vegetative cover on the disposal area that fringes the island. The sand beach is operated seasonally as a recreational facility by the City of St. Helens. This will be a beach nourishment site.



— Approximate Site Boundary

Reichold, O-82.6

Size: Approximately 49 acres

Elevation: 10 to 20 feet above Mean Sea Level

Owner: Morse Brothers, Inc.

Description: The Coastal Plant (63149 Columbia River Highway) is located to the west, and across Columbia River Highway. It owns the pipeline that bisects the site. The site is bounded to the north by Deer Island Slough, to the east by the Columbia River, to the south by the outfall of McBride Creek, and to the west by single-family residences and a cemetery.



Although the topography is nearly level across the entire site, a distinct ridge separates the subject property from the developments to the west. The center is relatively level, but slopes along the northern, eastern, and southern edges toward Deer Island Slough, the Columbia River, and McBride Creek.

The Morse Brothers' mining operation at the northern end of the property has created an approximately 20 feet deep excavation encompassing about 2 acres. A UAN-32 solution pipeline runs from the Coastal Plant to the end of the docking pier. The majority of the site is open field surrounded by forest.

Standing water, most likely from precipitation runoff, has been observed on the property within the western portion of the mining excavation. This pit water was bermed to prevent flooding within active excavation area.

Morse Brothers officials stated that the Coastal Plant pumps water from the Columbia River to use for both fire suppression and cooling water at their facility. This waterline is located beneath the paved access road that parallels the UAN-32 pipeline.



Martin Bar, W-82.0

Size: Approximately 32 acres

Elevation: 10 to 25 feet above Mean Sea Level

Owner: Port of Woodland and Washington Department of Fish and Wildlife

Description: The property is divided into two separate rectangle-shaped parcels, separated by a low vegetation area and Lions Day Park, that have been covered in the past with material dredged from the Columbia River. As a result, the site is slightly elevated (10 to 15 feet) above surrounding properties, and has a slightly undulating topography.



The subject property consists primarily of open field used for raising cattle. Onsite improvements include a navigational aid (beacon) and groin (wood and steel structure located in the river and placed perpendicular to the shoreline), feedlot/pasture fencing, a shed, an outhouse, and several roads. The dredged material has a cover of grasses, scattered cottonwoods (mainly on the northern parcel of the subject property), and brush.



Undeveloped land is present on the adjacent property to the north, a farm and agricultural land are adjacent to the east, and a RV park is adjacent to the south of the property.



Approximate Site Boundary



Martin Island, W-80.0

Size: 34 acres

Elevation: 0 to 10 feet above Mean Sea Level

Owner: Robert and Richard Colf

Description: This is a project mitigation site that uses dredged material disposal. The 34-acre lagoon on Martin Island would be filled to just below water level to create a wetland/intertidal marsh. The site was historically excavated for road material during the construction of nearby I-5. The lagoon itself is ringed with vegetation. The rest of the island is primarily used for livestock grazing. One house exists on the island and is used by those tending the livestock. There is no road access to Martin Island.



Approximate Site Boundary

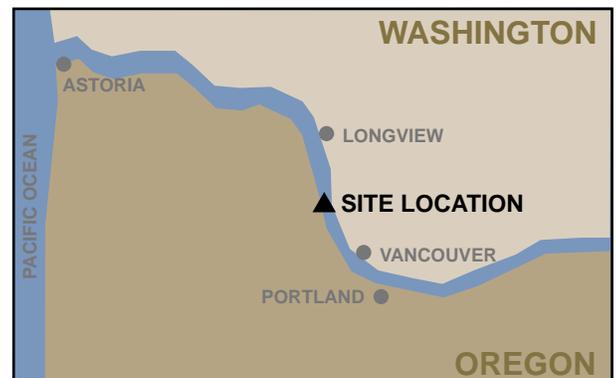
Lower Deer Island, O-77.0

Size: 29 acres

Elevation: 0 to 15 feet above Mean Sea Level

Owner: Arnold Leppin of Hillsboro, OR

Description: The majority of the Lower Deer Island site is a low plateau formed by past deposition of dredged material. The subject site is currently used as pastureland for cattle and as a borrow pit to maintain dikes in the Deer Island Diking District. A natural gas pipeline and fiber optic cable cross the parcel from roughly southeast to northwest. Grasses cover most of the open areas, while some landward portions of the subject property are covered with young cottonwood trees. No water service exists on the property.



Sandy Island, O-75.8

Size: Approximately 30-acre bar island

Elevation: 5 to 20 feet above Mean Sea Level

Owner: Foss Redevelopment Company

Description: In the past, most of the property was covered with material dredged from the Columbia River, making the topography of the island relatively flat with a slight slope to the south. Steep 10- to 15-foot banks were observed along the north-northeast portion of the site. The only site improvements are dikes to contain dredged material from maintenance dredging.



Northport, W-71.9

Size: Approximately 27 acres

Elevation: 0 to 10 feet above Mean Sea Level

Owner: Port of Kalama

Description: Most of the peninsula and the adjoining properties to the south have received fill from past dredging operations. Sparse grasses cover most of the dredge material. Along the eastern length of the property is a narrow wooded section. A tidal flat, which extends southward from Carrolls Channel, is located just east of the site. A lowland marsh surrounds this tidal flat and extends to the northeastern fringe (onsite) of the property. The wetland will be avoided. Trojan Nuclear Power Plant is situated across the Columbia River and less than one mile to the southwest. Ground surface generally slopes away from the center of the peninsula, towards the surrounding water bodies (the Columbia River, Carrolls Channel, and the tidal flat). The property is oblong-shaped and the majority of it is sparsely vegetated. Most of the property is heavily crossed with vehicle and heavy equipment tracks from filling/dredging operations.

The adjoining areas to the south of the property contain open, dredge spoil-covered land. There is a steel mill to the south (Messer MG Industries).

The site is used currently to mine sand and gravel that is for sale.

