

EDITS Since 2016 to early 2019

Coastal Shoreline 4/26/2017 (Oregon)

Updated the existing coastline data for the State of Oregon using high quality geometry from the important National Oceanic and Atmospheric Administration (NOAA) Continually Updated Shoreline Product (CUSP) data. Watershed Boundaries were adjusted to reflect the updated lidar topography and the new boundary lines created by the NOAA CUSP.

Source: The best available Mean High Water line data as of July 2014. CUSP is primarily built from LiDAR NGS National Shoreline data for the outer Pacific Ocean coast and Oregon LiDAR Consortium data for the inner estuarine coast.

Subwatersheds: 171002010200, 171002031000, 171002041000, 171002050800, 171002070200, 171003040500, 171003060500, 171003120600. The neighboring subwatershed that shared a line with these had that shared line updated, but not the whole subwatershed.

Editor:

Lowell Anthony

Oregon Department of Geology and Mineral Industries (DOGAMI)

Nisqually River Outlet (Washington)

May 2018

The marine shoreline surrounding the Nisqually River Delta has changed dramatically since the removal of the Brown Farm dike in 2009. After over 100 years of closing off tidal flow to the interior delta, the dike was removed, inundating 762 acres of the Nisqually Wildlife Refuge with estuarine waters.

The Department of Ecology updated the National Hydrography Dataset (NHD) to reflect current conditions using a combination of topobathymetric LiDAR, aerial imagery, and mobile GIS using Esri's Collector for ArcGIS. Visit the documentation for more details here:

<https://fortress.wa.gov/ecy/publications/SummaryPages/1603020.html>.

The edit is based on a new partial NHD coastline derived from LiDAR data. The new NHD coastline was approved by the Washington State NHD Steward and incorporated into the current NHD database. This edit brought WBD and NHD into alignment in this area. The LiDAR was used along with the NHD data to make the edits. The gain or loss to 8, 10 and 12-digit acreage is relatively minor (about 690 acres) which did not exceed the WBD tolerances. No names or codes were modified.

The new boundary alignment affects the following hydrologic units in the WBD. Two 8-digit HUs: 17110019 and 17110015. Four 10-digit HUs: 1711001903, 1711001905, 1711001909, and 1711001503. Five 12-Digit HUs: 171100190304, 171100190501, 171100190900, 171100150307, and 171100150308.

Source work from Anita Stohr.

Editor:

Bryant Mecklem

Oregon Washington BLM state office

Updates to Coastal Subbasins (Oregon)

2/17/2019

Five coastal subbasins including the watershed and subwatershed lines and polys were updated to match LiDAR. 10ft contours were created from a smoothed 9 ft DEM. The contours were used as vector tiles with a bare earth hillshade underneath to inform WBD boundary locations. These five subbasins had their coastal subwatersheds updated during the coastal edit. This work was to continue to update the rest of the subbasin to the LiDAR. The subwatersheds from neighboring Subbasins that shared a line with these subbasins were updated only for the line that are shared between the two.

Subbasins updated: 17100201, 17100203, 17100204, 17100205, 17100207.

Source data work: Emmor Nile

Editor:

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Note:

There may have been smaller edits done by any of the partners or USGS, but no notification was given so no process steps were added to the metadata and no description given here. You can use the FeatureToMetadata and MetaProcessDetail tables added to these datasets to see possible updates.