

**From:** [Merluccio, Juliana](#)  
**To:** [Thomas, Sue](#)  
**Subject:** Fwd: Lidar data for DNWR?  
**Date:** Tuesday, February 12, 2019 3:55:46 PM  
**Importance:** High

---

FYI.

----- Forwarded message -----

From: **Hoy, David** <[david\\_hoy@fws.gov](mailto:david_hoy@fws.gov)>  
Date: Tue, Feb 12, 2019 at 2:48 PM  
Subject: Re: Lidar data for DNWR?  
To: Merluccio, Juliana <[juliana\\_merluccio@fws.gov](mailto:juliana_merluccio@fws.gov)>

Juliana, I'm traveling this week so it's going to be tough for me to devote much time to helping you resolve this, we might have to do it in fits and starts, my apologies. There is a way to ad netcdf files into arcgis, try one of theses and let me know if you find success..

<http://desktop.arcgis.com/en/arcmap/10.3/manage-data/netcdf/reading-netcdf-data-using-geoprocessing-tools.htm>

Dave

-----  
David Hoy  
Lead Cartographer, Division of Realty & Refuge Information  
U.S. Fish and Wildlife Service  
911 NE 11th Ave.  
Portland, OR 97232-4181

Work Phone: 503-231-2230  
Mobile Phone: 503-807-7574  
Fax: 503-231-6161

On Tue, Feb 12, 2019 at 11:56 AM Merluccio, Juliana <[juliana\\_merluccio@fws.gov](mailto:juliana_merluccio@fws.gov)> wrote:

Hi Dave,

I checked out that website and it doesn't seem to be what we need. What we were actually looking for is bathymetry of Dungeness Bay, we want to figure out where certain tide levels would be, namely +5, +3 and -2ft. I found [this](#) Bathymetry data from NOAA but not much data is available for the Bay. I downloaded what was available but the files are in .nc (NetCDF?) and I can't seem to convert them to a raster. I also have a DEM hillshade file but when I tried to make contours they seemed off. I haven't worked with elevation data much so I'm not very confident in the process, Jennifer and Sue need this info by Thursday so I don't have much time to dive into the web on this. Can you provide any assistance or guidance? I did look through the FWS geospatial homepage, the GIS X drive and our data for bathymetry layers but I can't find anything.

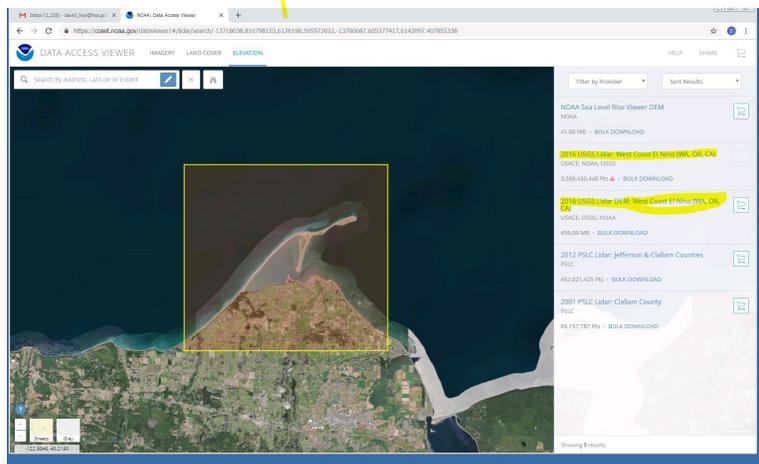
Thanks for your time and consideration.

Juliana

On Tue, Feb 5, 2019 at 2:23 PM Hoy, David <[david\\_hoy@fws.gov](mailto:david_hoy@fws.gov)> wrote:

Sue, the NOAA digital Coast site has 2016 LIDAR/DEM data sets ready for download. We don't have this one file yet, we do have the 2012 lidar for the Dawley tract tho.

<https://coast.noaa.gov/dataviewer/#/lidar/search/-13718038.810798153,6126198.505972022,-13700687.605377417,6142097.407855338>



Dave

---

David Hoy  
Lead Cartographer, Division of Realty & Refuge Information  
U.S. Fish and Wildlife Service  
911 NE 11th Ave.  
Portland, OR 97232-4181

Work Phone: 503-231-2230  
Mobile Phone: 503-807-7574  
Fax: 503-231-6161

On Tue, Feb 5, 2019 at 1:37 PM Thomas, Sue <[sue\\_thomas@fws.gov](mailto:sue_thomas@fws.gov)> wrote:

Hi there Dave,

We are working on a briefing for the RD on a proposed aquaculture project on Dungeness NWR and are looking for the most complete and up-to-date Lidar data, particularly for the south/harbor side of Dungeness Spit. I seem to remember speaking to you about a project to collect that data on the refuge a few years ago, but can't recall when that was or who collected it. Do you know?

If so, Juliana Merluccio, or star GIS specialist, is working on that portion of the presentation and currently searching for info online. Can you direct her to the best database?

Thanks,  
Sue

Sue Thomas  
Wildlife Biologist  
Washington Maritime NWRC  
715 Hologerson Rd  
Sequim, WA 98382  
360-457-8451

--

Juliana Merluccio  
Biological Technician  
Washington Maritime NWRC  
715 Hologerson Rd  
Sequim, WA 98382  
360-457-8451

--

Juliana Merluccio  
Biological Technician  
Washington Maritime NWRC  
715 Hologerson Rd

Sequim, WA 98382  
360-457-8451