

**From:** [Thomas, Sue](#)  
**To:** [BrownScott, Jennifer](#)  
**Subject:** Re: Eelgrass Map  
**Date:** Friday, February 8, 2019 2:36:45 PM

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No prob. Sorry its so messy.

Sue

Sue Thomas  
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On Fri, Feb 8, 2019 at 2:27 PM BrownScott, Jennifer <[jennifer\\_brownscott@fws.gov](mailto:jennifer_brownscott@fws.gov)> wrote:  
Let's get together on Monday and figure out the least complicated and most accurate way to describe the data. We know that it won't be perfect because the data is collected and/or rolled up differently depending on which survey we are looking at.

Thanks for sticking with it.

-jennifer

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*~~Dungeness NWR~Protection Island NWR~San Juan Islands NWR~~  
~~Copalis NWR~Flattery Rocks NWR~Quillayute Needles NWR~~*

On Fri, Feb 8, 2019 at 2:12 PM Thomas, Sue <[sue\\_thomas@fws.gov](mailto:sue_thomas@fws.gov)> wrote:  
19K was a high year count, 2014 (actually 18,300).

Could you just say up to 19k for the refuge and then list either 75/37% of Geese/Ducks counted in the basin? Or 48/21 Brant/Ducks on the Refuge of Basin-wide total? I like the first grouping as it covers a longer time span, and would account for some of that movement each year. But it doesn't single out Brant.

Data Shark - playin fast and loose with the data!

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On Fri, Feb 8, 2019 at 1:45 PM BrownScott, Jennifer <[jennifer\\_brownscoth@fws.gov](mailto:jennifer_brownscoth@fws.gov)> wrote:

Okay....I have totally confused myself. I took the numbers for the high use refuge area from our original letter, which I thought said 19000 waterfowl. But, it looks like the Basin numbers are showing about that number for all of the Tier 1 sites combined....help?

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On Fri, Feb 8, 2019 at 12:33 PM Thomas, Sue <[sue\\_thomas@fws.gov](mailto:sue_thomas@fws.gov)> wrote:

Here are the waterfowl percentages. I don't have much for the basin as a whole other than 2016, but was able to find average #s from a priorities memo. As you can see the % varies and the memo did not differentiate Brant from Geese. But I think Brant are the most abundant geese in these parts. I'd say up to 75% of the geese and 40% of ducks unless you want to be sure of the Brant proportion, then go with 42% Brant, 40% ducks.

More on shorebirds next...  
Sue

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On Fri, Feb 8, 2019 at 11:13 AM BrownScott, Jennifer

<[jennifer\\_brownscott@fws.gov](mailto:jennifer_brownscott@fws.gov)> wrote:

Did Julie make a pdf of the eelgrass map? I am only seeing copies of the shorebird/waterfowl map. I think that map is so cool (fall-down cool) - I wanted to share it with Charlie.

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