

**From:** [BrownScott, Jennifer](#)  
**To:** [Elizabeth Tobin](#)  
**Cc:** [Sollmann, Lorenz](#)  
**Subject:** Re: [EXTERNAL] Question Regarding DNWR Christmas Bird Count Data  
**Date:** Thursday, October 25, 2018 8:43:22 AM

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Olympic Peninsula Audubon Society (OPAS) manages the CBC using volunteer observers. We simply provide a Special Use Permit for access to the Refuge and they provide data at the end of the survey. If you want to know more about their data collection methods/protocols, consistency of observers, or other data quality information, you would need to contact OPAS. Bob Boekelheide their lead for that project.

Hope this is helpful.

-jennifer

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

On Tue, Oct 9, 2018 at 12:04 PM Elizabeth Tobin <[etobin@jamestowntribe.org](mailto:etobin@jamestowntribe.org)> wrote:

Hi Jennifer and Lorenz,

I hope the fall season has been off to a good start and things have been settling down for you a bit from all the summer activities.

I have been working with the DNWR bird survey datasets that Jennifer provide me with this summer and had a question specific to the CBC data. As part of the spreadsheet 'DNWR\_PS\_LegacyData\_3\_12-18\_v3' there is a tab for CBC 1975-2010. Is this data specific to bird counts completed within the Refuge area, or does it contain bird count data from the larger 15 mi Sequim-Dungeness observation area?

The data provided by the Refuge has been immensely helpful in better understanding bird use within the Refuge area. Given that the CBC data provides the longest time series on bird counts, I just want to make sure that I have a better understanding of how this data was acquired ☺

Thanks so much!

Liz

Elizabeth Tobin

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