

**From:** [McMillan, Anita K \(DFW\)](#)  
**To:** [Thomas, Sue](#)  
**Subject:** RE: [EXTERNAL] RE: Dungeness Basin-wide counts?  
**Date:** Wednesday, March 13, 2019 2:01:20 PM  
**Attachments:** [West of Port Angeles \(Page 1\).zip](#)  
**Importance:** High

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This should be Jan 2011

**From:** Thomas, Sue <[sue\\_thomas@fws.gov](mailto:sue_thomas@fws.gov)>  
**Sent:** Wednesday, March 13, 2019 9:25 AM  
**To:** McMillan, Anita K (DFW) <[Anita.McMillan@dfw.wa.gov](mailto:Anita.McMillan@dfw.wa.gov)>  
**Subject:** Re: [EXTERNAL] RE: Dungeness Basin-wide counts?

Fantastic! Thank you Anita. I'll squirrel this away. These types of requests come up every so once and a while, so its nice to have a few years. Now I have 2010 & 2016 :) Also attached is the late midwinter survey I did for 2019, for what its worth...

Hope you are doing well,  
Sue

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

On Tue, Mar 12, 2019 at 2:29 PM McMillan, Anita K (DFW) <[Anita.McMillan@dfw.wa.gov](mailto:Anita.McMillan@dfw.wa.gov)> wrote:

Here are the data forms for Jan 2010

**From:** Thomas, Sue <[sue\\_thomas@fws.gov](mailto:sue_thomas@fws.gov)>  
**Sent:** Monday, February 11, 2019 2:47 PM  
**To:** McMillan, Anita K (DFW) <[Anita.McMillan@dfw.wa.gov](mailto:Anita.McMillan@dfw.wa.gov)>; Spragens, Kyle A (DFW) <[Kyle.Spragens@dfw.wa.gov](mailto:Kyle.Spragens@dfw.wa.gov)>  
**Cc:** BrownScott, Jennifer <[jennifer\\_brownscoott@fws.gov](mailto:jennifer_brownscoott@fws.gov)>  
**Subject:** Dungeness Basin-wide counts?

Hi there,

The Jamestown S'klallam Tribe's aquaculture permit to farm on Dungeness NWR is now under the Army Corp purview and we are assembling comments on the affects to Refuge wildlife.

One of the key pieces of info I am missing is how refuge counts for waterfowl compare to

basin-wide counts. I've got averages provided in the annual instructions/priorities memo, but average counts really understate use in the basin due to movement year-to-year from weather, disturbance, predation, etc. Anita, you had kindly shared 2016 raw data and I was able to pull out Dungeness Basin sites, but one year doesn't provide the range of movement we see. So, I'm back, hat in hand to see if you can share more raw data. I've been compiling refuge data from 2010-2018 for Total Dabbling Ducks, Brant & Total Waterfowl. Any chance you could send totals for those categories for 2010-2018? I'd be happy to sort through raw data to compile for Dungeness Basin if you have it that way still. If you don't have time, can you share whatever you have for 2014? That would at least give me two points of comparison (2014 - high refuge count vs 2016 high basin-wide count as far as I can see). Even if you can provide county or state wide totals for that time frame, that would give me something use. Any help would be most appreciated!

Thanks and hope you are both enjoying the snow!

Sue

Sue Thomas  
Wildlife Biologist  
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715 Holgerson Rd  
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Survey Unit/Area:	Blynn	Pitship Point	Bell Cr. Bottom	Carrie Blake	WA Harbor	Port Williams	Port Williams Rd.
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam
Observers:	S. Ament	S. Ament	S. Ament	S. Ament & L. S	S. Ament	S. Ament	S. Ament
Date:	Jan. 4, 2011	Jan. 4, 2011	Jan. 4, 2011	Jan. 6, 2011	Jan. 4, 2011	Jan. 4, 2011	Jan. 4, 2011
Mallard	53	313		83	31		
Blk/Mot'ld/Mex.				1			
Gadwall							
Wigeon	600	63		672	364		
G-w Teal					18		
B-w/Cinn Teal							
Shoveler							
Pintail	21				6		
Wood Duck							
Whistling Duck							
<b>Subtotal Dabblers</b>	674	376		756	419	0	0
Redhead							
Canvasback							
Scaup	23						
Ring-necked Duck							
Goldeneye	5	6				3	
Bufflehead	8	12		6		18	
Ruddy Duck							
<b>Subtotal Divers</b>	36	18		6		21	
Eiders							
Scoters	39					7	
Long-tailed Duck							
Harlequin							
<b>Subtotal Seaducks</b>	39					7	
Mergansers							
Unidentified							
Miscellaneous						5	
<b>TOTAL DUCKS</b>	749	394	0	762	419	33	0
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
<b>Subtotal "White" G.</b>							
White-fronted Goose							
Western Canada Goose		4	257				
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified			1				
<b>Subtotal Canada</b>							
Brant					55		
<b>TOTAL GEESE</b>		4	258		55		
Tundra Swan							
Trumpeter Swan							20
Mute Swan							
Unidentified Swan							
<b>TOTAL SWANS</b>							20
<b>GRAND TOTAL</b>	749	398	258	762	474	33	20
Coots							
Sandhill Crane							

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Survey Unit/Area:	Willits	Golden Sands	Hussey	Marshall Pond	Jones Pond	Meadowbrook	Friendly Lane
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam
Observers:	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament
Date:	Jan. 5, 2011	Jan. 5, 2011	Jan. 5, 2011	Jan. 5, 2011	Jan. 5, 2011	Jan. 5, 2011	Jan. 5, 2011
Mallard		96		29	2	50	
Blk/Mot'ld/Mex.							
Gadwall							
Wigeon		928		3	63	69	
G-w Teal							
B-w/Cinn Teal							
Shoveler					1		
Pintail							
Wood Duck							
Whistling Duck							
<b>Subtotal Dabblers</b>	0	1,024		32	66	119	0
Redhead							
Canvasback							
Scaup							
Ring-necked Duck							
Goldeneye							
Bufflehead					1		
Ruddy Duck							
<b>Subtotal Divers</b>					1		
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
<b>Subtotal Seaducks</b>							
Mergansers							
Unidentified							
Miscellaneous							
<b>TOTAL DUCKS</b>		1,024	0	32	67	119	0
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
<b>Subtotal "White" G.</b>							
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
<b>Subtotal Canada</b>							
Brant							
<b>TOTAL GEESE</b>							
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
<b>TOTAL SWANS</b>							
<b>GRAND TOTAL</b>	0	1,024	0	32	67	119	0
	Frozen	Frozen	Frozen	Partial Frozen			
Coots				9			
Sandhill Crane							

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Survey Unit/Area:	Wilson Field	Simdars - 101	Sequim 101 Pond	Coon Pond	Louella West	S. Bell Hill Pond	Vista Del Mar
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam
Observers:	S. Ament	S. Ament & L. S	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament
Date:	Jan. 6, 2011	Jan. 6, 2011	Jan. 6, 2011	Jan. 6, 2011	Jan. 6, 2011	Jan. 6, 2011	Jan. 6, 2011
Mallard	8	5				57	
Blk/Mot'ld/Mex.							
Gadwall		2					
Wigeon	13	23				11	
G-w Teal		3					
B-w/Cinn Teal							
Shoveler							
Pintail							
Wood Duck							
Whistling Duck							
<b>Subtotal Dabblers</b>	21	33			0	68	0
Redhead							
Canvasback							
Scaup							
Ring-necked Duck		35					
Goldeneye							
Bufflehead		6					
Ruddy Duck							
<b>Subtotal Divers</b>		41					
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
<b>Subtotal Seaducks</b>							
Mergansers							
Unidentified							
Miscellaneous							
<b>TOTAL DUCKS</b>		74	0	0	0	68	0
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
<b>Subtotal "White" G.</b>							
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
<b>Subtotal Canada</b>							
Brant							
<b>TOTAL GEESE</b>							
Tundra Swan							
Trumpeter Swan	16						
Mute Swan							
Unidentified Swan							
<b>TOTAL SWANS</b>	16						
<b>GRAND TOTAL</b>	37	74	0	0	0	68	0
			Frozen	Frozen	Frozen		Frozen
Coots							
Sandhill Crane							

Survey Unit/Area:	West Bell Hill	Delta Farm	Fairbanks			
County:	Clallam	Clallam	Clallam			
Observers:	S. Ament	S. Ament	S. Ament			
Date:	Jan. 6, 2011	Jan. 5, 2011	Jan. 4, 2011			
Mallard		102				
Blk/Mot'ld/Mex.						
Gadwall						
Wigeon		43	51			
G-w Teal						
B-w/Cinn Teal						
Shoveler						
Pintail						
Wood Duck						
Whistling Duck						
<b>Subtotal Dabblers</b>	0	145	51			
Redhead						
Canvasback						
Scaup						
Ring-necked Duck						
Goldeneye						
Bufflehead						
Ruddy Duck						
<b>Subtotal Divers</b>		145				
Eiders						
Scoters						
Long-tailed Duck						
Harlequin						
<b>Subtotal Seaducks</b>						
Mergansers						
Unidentified						
Miscellaneous						
<b>TOTAL DUCKS</b>			51			
Lesser Snow Goose			23			
Blue-phase Snow						
Ross'						
Snow/Ross' unidentified						
<b>Subtotal "White" G.</b>						
White-fronted Goose						
Western Canada Goose						
Lesser/Taverner						
Cackling						
Dusky						
Aleutian						
"Canada" - unidentified						
<b>Subtotal Canada</b>						
Brant						
<b>TOTAL GEESE</b>			23			
Tundra Swan						
Trumpeter Swan			50			
Mute Swan						
Unidentified Swan						
<b>TOTAL SWANS</b>			50			
<b>GRAND TOTAL</b>	0	145	124			
	Frozen		New Site			
Coots						
Sandhill Crane						

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Survey Unit/Area:	Harvel Pasture	Harvel Ponds	Fairview	Donahue	Sutter Road	O'Brien	Cornerstone
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam
Observers:	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament
Date:	Jan. 7, 2011	Jan. 7, 2011	Jan. 7, 2011	Jan. 7, 2011	Jan. 7, 2011	Jan. 7, 2011	Jan. 7, 2011
Mallard	1			1		28	
Blk/Mot'ld/Mex.							
Gadwall		2					
Wigeon	74	50		1		147	
G-w Teal						54	
B-w/Cinn Teal							
Shoveler		3					
Pintail							
Wood Duck							
Whistling Duck							
<b>Subtotal Dabblers</b>	75	55		2		229	
Redhead							
Canvasback							
Scaup				1			
Ring-necked Duck		11					
Goldeneye							
Bufflehead		18		1		2	
Ruddy Duck							
<b>Subtotal Divers</b>	0	29		2		2	
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
<b>Subtotal Seaducks</b>							
Mergansers		13					
Unidentified							
Miscellaneous							
<b>TOTAL DUCKS</b>	75	97		4		231	
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
<b>Subtotal "White" G.</b>							
White-fronted Goose							
Western Canada Goose	25					27	
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
<b>Subtotal Canada</b>	25					27	
Brant							
<b>TOTAL GEESE</b>	25					27	
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
<b>TOTAL SWANS</b>							
<b>GRAND TOTAL</b>	100	97	0	4	0	258	0
			Frozen	Frozen	Frozen	Partial Frozen	No Water
Coots		5				1	
Sandhill Crane							

Survey Unit/Area:	C.Roberts Rd - 101					
County:	Clallam					
Observers:	S. Ament					
Date:	Jan. 7, 2011					
Mallard	1					
Blk/Mot'ld/Mex.						
Gadwall	3					
Wigeon	56					
G-w Teal						
B-w/Cinn Teal						
Shoveler						
Pintail						
Wood Duck						
Whistling Duck						
<b>Subtotal Dabblers</b>	<b>60</b>					
Redhead						
Canvasback						
Scaup						
Ring-necked Duck						
Goldeneye						
Bufflehead						
Ruddy Duck						
<b>Subtotal Divers</b>	<b>0</b>					
Eiders						
Scoters						
Long-tailed Duck						
Harlequin						
<b>Subtotal Seaducks</b>						
Mergansers						
Unidentified						
Miscellaneous						
<b>TOTAL DUCKS</b>	<b>60</b>					
Lesser Snow Goose						
Blue-phase Snow						
Ross'						
Snow/Ross' unidentified						
<b>Subtotal "White" G.</b>						
White-fronted Goose						
Western Canada Goose						
Lesser/Taverner						
Cackling						
Dusky						
Aleutian						
"Canada" - unidentified						
<b>Subtotal Canada</b>						
Brant						
<b>TOTAL GEESE</b>						
Tundra Swan						
Trumpeter Swan						
Mute Swan						
Unidentified Swan						
<b>TOTAL SWANS</b>						
<b>GRAND TOTAL</b>	<b>60</b>					
	New Site					
Coots						
Sandhill Crane						

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Survey Unit/Area:	Morse Cr. Mouth	Cameron	Elwha Estuary	Freshwater Bay Rd.	Freshwater Bay Por	Waatch Estuary	
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	
Observers:	F. Sharpe	S. Ament	S. Ament	S. Ament	S. Ament	Rob McCoy	
Date:	Jan. 7, 2011	Jan. 7, 2011	Jan. 8, 2011	Jan. 7, 2011	Jan. 7, 2011	Jan. 7, 2011	
Mallard	3		2	4	28	242	
Blk/Mot'ld/Mex.							
Gadwall			2		2		
Wigeon	214	26	15	28		99	
G-w Teal						107	
B-w/Cinn Teal							
Shoveler							
Pintail						12	
Wood Duck		63					
Whistling Duck							
<b>Subtotal Dabblers</b>	217	89	19	32	30	460	
Redhead							
Canvasback							
Scaup							
Ring-necked Duck		1			8		
Goldeneye	4		1				
Bufflehead	12	15	9		5	35	
Ruddy Duck							
<b>Subtotal Divers</b>	16	16	10	0	13	35	
Eiders							
Scoters	8						
Long-tailed Duck							
Harlequin	3						
<b>Subtotal Seaducks</b>	11						
Mergansers	6		11			4	
Unidentified							
Miscellaneous	61					10	
<b>TOTAL DUCKS</b>	311	105	40	32	43	509	
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
<b>Subtotal "White" G.</b>							
White-fronted Goose							
Western Canada Goose					44	6	
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified					2		
<b>Subtotal Canada</b>							
Brant							
<b>TOTAL GEESE</b>					46	6	
Tundra Swan							
Trumpeter Swan						7	
Mute Swan			1				
Unidentified Swan							
<b>TOTAL SWANS</b>			1			7	
<b>GRAND TOTAL</b>	311	105	41	32	89	522	
	Mostly Frozen			Partial Frozen			
Coots							
Sandhill Crane							