

From: [McMillan, Anita K \(DFW\)](#)
To: [Thomas, Sue](#)
Subject: [EXTERNAL] RE: Dungeness Basin-wide counts?
Date: Tuesday, March 12, 2019 2:06:52 PM
Attachments: [Dungeness\(Freshwater4thFinalPg\)FormC.zip](#)
Importance: High

Here are the data forms for Jan 2010

From: Thomas, Sue <sue_thomas@fws.gov>
Sent: Monday, February 11, 2019 2:47 PM
To: McMillan, Anita K (DFW) <Anita.McMillan@dfw.wa.gov>; Spragens, Kyle A (DFW) <Kyle.Spragens@dfw.wa.gov>
Cc: BrownScott, Jennifer <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
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Dungeness Freshwater Habitats Page 1						
Survey Unit/Area:	Delta Farm	Wilson Field	Lotzgesell	Gamefarm		
County:	Clallam	Clallam	Clallam	Clallam		
Observers:	S. Ament	S. Ament	Anita McMillan	Anita McMillan		
Date:	Jan. 7, 2010	Jan. 7, 2010	Jan. 7, 2010 16:00-16:30	Jan. 7, 2010 16:00-16:30		
Mallard	7		4			
Blk/Mot'ld/Mex.						
Gadwall	4					
Wigeon	67					
G-w Teal						
B-w/Cinn Teal						
Shoveler			2			
Pintail			8			
Wood Duck						
Whistling Duck						
Subtotal Dabblers	78		14			
Redhead						
Canvasback						
Scaup						
Ring-necked Duck						
Goldeneye						
Bufflehead	1					
Ruddy Duck						
Subtotal Divers	1					
Eiders						
Scoters						
Long-tailed Duck						
Harlequin						
Subtotal Seaducks						
Mergansers						
Unidentified						
Miscellaneous						
TOTAL DUCKS	79					
Lesser Snow Goose						
Blue-phase Snow						
Ross'						
Snow/Ross' unidentified						
Subtotal "White" G.						
White-fronted Goose						
Western Canada Goose						
Lesser/Taverner						
Cackling						
Dusky						
Aleutian						
"Canada" - unidentified						
Subtotal Canada						
Brant						
TOTAL GEESE						
Tundra Swan						
Trumpeter Swan		34				
Mute Swan						
Unidentified Swan						
TOTAL SWANS		34				
GRAND TOTAL	79	34	14	0		
Coots						
Sandhill Crane						
Unidentified ducks			16			
Large Domestic Geese				5		

Dungeness Freshwater Habitats Page 2 - Three Crabs Road Inland habitats along shoreline up to 1/3 mile inland							
Survey Unit/Area:	Golden Sands	Meadowbrook	Marshall Pond	Les Jones Pond=Jones Pond	Hussey/Willets = Hussey = Gary Hussey's Prope	Willets	Friendly Lane Willets
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam
Observers:	S. Ament	S. Ament	S. Ament	S. Ament	S. Ament	Willets/Ament	S. Ament
Date:	Jan. 7, 2010	Jan. 7, 2010	Jan. 7, 2010	Jan. 7, 2010	Jan. 7, 2010	Jan. 7, 2010	Jan. 7, 2010
Mallard	188	54		70	38	429	
Blk/Mot'ld/Mex.							
Gadwall				6			
Wigeon	354	45		72	3	61	
G-w Teal		2		2	13		
B-w/Cinn Teal							
Shoveler				10	5		
Pintail					2	20	
Wood Duck							
Whistling Duck							
Subtotal Dabblers	542	101	0	160	61	510	0
Redhead							
Canvasback							
Scaup							
Ring-necked Duck							
Goldeneye							
Bufflehead							
Ruddy Duck							
Subtotal Divers							
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
Subtotal Seaducks							
Mergansers							
Unidentified							
Miscellaneous							
TOTAL DUCKS	542	101	0	160	61	510	0
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
Subtotal "White" G.							
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
Subtotal Canada							
Brant							
TOTAL GEESE							
Tundra Swan							
Trumpeter Swan							74
Mute Swan							
Unidentified Swan							
TOTAL SWANS							74
GRAND TOTAL	542	101	0	160	61	510	74
Unidentified Ducks	2						
Coots							
Sandhill Crane							

Dungeness Freshwater Habitats Page 3							
Survey Unit/Area:	Jamestown - Freshwater	Coon Pond					
County:	Clallam	Clallam					
Observers:	Anita McMillan	Anita McMillan					
Date:	Jan. 7, 2010 10:22-11:45	Jan. 7, 2010 11:50-12:47					
Mallard	172	63					
Blk/Mot'ld/Mex.							
Gadwall							
Wigeon	266	890					
G-w Teal	13						
B-w/Cinn Teal							
Shoveler	1						
Pintail	4	37					
Wood Duck							
Whistling Duck							
Subtotal Dabblers	456	990					
Redhead							
Canvasback							
Scaup							
Ring-necked Duck							
Goldeneye							
Bufflehead	2						
Ruddy Duck							
Subtotal Divers	2						
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
Subtotal Seaducks							
Mergansers							
Unidentified							
Miscellaneous							
TOTAL DUCKS	458	990					
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
Subtotal "White" G.							
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
Subtotal Canada							
Brant							
TOTAL GEESE							
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
TOTAL SWANS							
GRAND TOTAL	458	990					
Unidentified Ducks							
Coots	3						
Sandhill Crane							

Dungeness Freshwater Habitats Page 4

Survey Unit/Area:	Graysmarsh Freshwater	Pt Williams Rd = Sheetwater near Pt Williams	WA Harbor	Smith Farm Field	Bell Creek Ponds	Bell Bottom = Bell Cr Bottom	Carrie Blake Park
County:	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam	Clallam
Observers:	Anita McMillan	Ron Kaufman/M R	Ron Kaufman/M R		Ron Kaufman/M R	Ron Kaufman/M R	Ron Kaufman/M R
Date:	Jan. 7, 2010 13:12-15:00	Jan 6, 2010	Jan 6, 2010		Jan 6, 2010	Jan 6, 2010	Jan 6, 2010
Mallard	1,613		9		30	1	85
Blk/Mot'ld/Mex.							1
Gadwall	8		6				3
Wigeon	112	150	206		10		6
G-w Teal	31		136		8		
B-w/Cinn Teal							
Shoveler	7		4				
Pintail	489		43				
Wood Duck							
Whistling Duck							
Subtotal Dabblers	2,260	150	404		48	1	95
Redhead							
Canvasback							
Scaup							1
Ring-necked Duck	6						
Goldeneye			4				
Bufflehead	9		60				12
Ruddy Duck							
Subtotal Divers	15	0	64		0	0	13
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
Subtotal Seaducks		0	0		0	0	0
Mergansers							
Unidentified							2
Miscellaneous							
TOTAL DUCKS		150	468		48	1	110
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
Subtotal "White" G.		0	0		0	0	0
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
Subtotal Canada		0	0		0	0	0
Brant							
TOTAL GEESE		0	0		0	0	0
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
TOTAL SWANS		0	0		0	0	0
GRAND TOTAL	2,275	150	468		48	1	110
Coots	2						1
Sandhill Crane							

Dungeness Freshwater Habitats Page 5							
Survey Unit/Area:	Simdars -101			VistaDelMar	Louella West Farm Pond	South Bell Hill Ponds	West Bell Hill
County:	Clallam			Clallam	Clallam	Clallam	Clallam
Observers:	S. Ament			Anita McMillan	Anita McMillan	Anita McMillan	Anita McMillan
Date:	Jan. 8, 2010			Jan. 8, 2010 11:52-13:00	Jan. 8, 2010 13:00-13:15	Jan. 8, 2010 14:19-15:40	Jan. 8, 2010 15:41-15:54
Mallard				19		82	15
Blk/Mot'ld/Mex.							
Gadwall							2
Wigeon				82	680	56	16
G-w Teal						7	
B-w/Cinn Teal							
Shoveler						2	10
Pintail							
Wood Duck							
Whistling Duck							
Subtotal Dabblers				101	680	147	43
Redhead							
Canvasback							
Scaup							
Ring-necked Duck						31	
Goldeneye							
Bufflehead						12	1
Ruddy Duck							
Subtotal Divers				0		43	1
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
Subtotal Seaducks							
Mergansers						1	
Unidentified							
Miscellaneous							
TOTAL DUCKS				101	680	191	44
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
Subtotal "White" G.							
White-fronted Goose							
Western Canada Goose	67			33			
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified	6						
Subtotal Canada	73			33			
Brant							
TOTAL GEESE	73			33			
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
TOTAL SWANS							
GRAND TOTAL	73			134	680	191	44
Coots						1	
Sandhill Crane							

Dungeness Freshwater Habitats Page 6							
Survey Unit/Area:	Sequim 101 Pond - Keeler Park				SchmithValley (Freeze breaking)	JimmyJct-Palo.&SheetWater	Louella East
County:	Clallam				Clallam	Clallam	Clallam
Observers:					Anita McMillan	Anita McMillan	Anita McMillan
Date:					Jan. 8, 2010 13:20	Jan. 8, 2010 13:28	Jan. 8, 2010 13:53-14:00
Mallard							
Blk/Mot'ld/Mex.							
Gadwall							
Wigeon							
G-w Teal							
B-w/Cinn Teal							
Shoveler							
Pintail							
Wood Duck							
Whistling Duck							
Subtotal Dabblers					0	0	0
Redhead							
Canvasback							
Scaup							
Ring-necked Duck							
Goldeneye							
Bufflehead							
Ruddy Duck							
Subtotal Divers					0	0	0
Eiders							
Scoters							
Long-tailed Duck							
Harlequin							
Subtotal Seaducks							
Mergansers							
Unidentified							
Miscellaneous							
TOTAL DUCKS					0	0	0
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
Subtotal "White" G.							
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
Subtotal Canada							0
Brant							
TOTAL GEESE							0
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
TOTAL SWANS							
GRAND TOTAL					0	0	0
Coots							

Sandhill Crane							
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Dungeness Saltwater Habitats Page 1							
Survey Unit/Area:	Jamestown Saltwater-West Spaghetti Lots	Jamestown = Jamestown Saltwater-Mid to West	Jamestown Saltwater-East	Graysmarsh Shoreline	Port Williams Saltwater	Pitship Pt	Blynn/Jimm ycomelately Crk Mouth
County:	Clallam	Clallam	Clallam	Clallam	Port Williams	Clallam	Clallam
Observers:	Anita McMillan	Anita McMillan	Anita McMillan	Anita McMillan & Robin Berry	Ron Kaufman/M R	Ron Kaufman/M R	Ron Kaufmann/MR
Date:	Jan 7, 2010 11:10-11:30	Jan 7, 2010 15:30-16:00	Jan 7, 2010 15:00-15:30	Jan 7, 2010 13:30	Jan 6, 2010	Jan 6, 2010	Jan 6, 2010
Mallard	26	318	40	2			27
Blk/Mot'ld/Mex.							
Gadwall							
Wigeon	175	637	172			118	158
G-w Teal		3	2				
B-w/Cinn Teal							
Shoveler							
Pintail		15		20			12
Wood Duck							
Whistling Duck							
Subtotal Dabblers	201	973	214	22	0	118	197
Redhead							
Canvasback							
Scaup						1	
Ring-necked Duck				4			
Goldeneye		1			2	11	7
Bufflehead		3	3	14	11	25	17
Ruddy Duck							
Subtotal Divers		4	3	18	13	37	24
Eiders							
Scoters			2		17		
Long-tailed Duck							
Harlequin					1		
Subtotal Seaducks			2		18	0	0
Mergansers						5	1
Unidentified							
Miscellaneous							
TOTAL DUCKS	201	977	219	40	31	160	222
Lesser Snow Goose							
Blue-phase Snow							
Ross'							
Snow/Ross' unidentified							
Subtotal "White" G.					0	0	0
White-fronted Goose							
Western Canada Goose							
Lesser/Taverner							
Cackling							
Dusky							
Aleutian							
"Canada" - unidentified							
Subtotal Canada					0	0	0
Brant				77			
TOTAL GEESE				77	0	0	0
Tundra Swan							
Trumpeter Swan							
Mute Swan							
Unidentified Swan							
TOTAL SWANS					0	0	0
GRAND TOTAL	201	977	219	117	31	160	222
Coots							
Sandhill Crane							
Unidentified ducks		600					
Miscellaneous PHS			peregrine	gyrfalcon			

Dungeness Freshwater Habitats Page 4b				
Survey Unit/Area:	Graysmarsh Freshwater			
County:	Clallam			
Observers:	Anita McMillan			
Date:	Jan. 7, 2010 13:12-15:00			
Mallard	1,613			
Blk/Mot'ld/Mex.				
Gadwall	8			
Wigeon	112			
G-w Teal	31			
B-w/Cinn Teal				
Shoveler	7			
Pintail	489			
Wood Duck				
Whistling Duck				
Subtotal Dabblers	2,260			
Redhead				
Canvasback				
Scaup				
Ring-necked Duck	6			
Goldeneye				
Bufflehead	9			
Ruddy Duck				
Subtotal Divers	15			
Eiders				
Scoters				
Long-tailed Duck				
Harlequin				
Subtotal Seaducks				
Mergansers				
Unidentified				
Miscellaneous				
TOTAL DUCKS				
Lesser Snow Goose				
Blue-phase Snow Ross'				
Snow/Ross' unidentified				
Subtotal "White" G.				
White-fronted Goose				
Western Canada Goose				
Lesser/Taverner				
Cackling				
Dusky				
Aleutian				
"Canada" - unidentified				
Subtotal Canada				
Brant				
TOTAL GEESE				
Tundra Swan				
Trumpeter Swan				
Mute Swan				
Unidentified Swan				
TOTAL SWANS				
GRAND TOTAL	2,275			
Coots	2			
Sandhill Crane				