

Table 8A. Counts of birds detected during simultaneous surveys by Industry and U of A observers for process-affected ponds in 2013.

Species	Alberta Risk Status	CNRL				Imperial			
		CNRL landed	U of A landed	CNRL flyover	U of A flyover	Imperial landed	U of A landed	Imperial flyover	U of A flyover
Greater White-fronted Goose	Secure	0	0	0	0	0	0	0	0
Snow Goose	Secure	0	1	0	0	0	0	0	0
Canada Goose	Secure	12	8	6	137	4	18	93	50
Tundra Swan	Secure	0	0	0	0	0	0	0	0
American Wigeon	Secure	1	7	0	0	0	1	0	2
Mallard	Secure	24	15	39	10	9	15	0	0
Blue-winged Teal	Secure	0	0	0	0	0	0	0	0
Northern Shoveler	Secure	1	1	4	1	0	0	0	0
Northern Pintail	Sensitive	6	4	0	0	0	0	0	0
Green-winged Teal	Sensitive	0	4	3	0	0	1	0	0
UNK Dabbling		0	2	12	12	4	3	0	0
UNK Goose		0	0	0	0	0	0	0	0
UNK Swan		0	0	0	0	0	0	0	0
Canvasback	Secure	14	21	0	0	0	0	0	0
Redhead	Secure	4	7	0	0	0	12	0	0
Ring-necked Duck	Secure	10	6	0	0	0	0	0	0
Greater Scaup	Secure	0	79	0	0	0	0	0	0
Lesser Scaup	Sensitive	10	67	0	0	4	17	0	0
Surf Scoter	Secure	8	5	0	0	0	0	0	0
White-winged Scoter	Special Concern	0	0	0	1	0	0	0	0
Long-tailed Duck	Secure	3	7	0	0	0	0	0	0
Bufflehead	Secure	0	0	0	0	1	1	0	0
Common Goldeneye	Secure	6	11	0	3	4	12	0	0
Common Merganser	Secure	1	2	0	0	0	0	0	0
Red-breasted Merganser	Secure	0	0	0	0	0	0	0	0
Ruddy Duck	Secure	3	14	0	0	0	0	0	0
Common Loon	Secure	2	2	0	0	0	8	2	0
Double-crested Cormorant	Secure	0	0	0	0	0	0	0	0
Black Tern	Sensitive	0	0	0	0	0	0	0	0
Common Tern	Secure	0	0	0	0	0	5	1	0
Belted Kingfisher	Secure	0	0	0	0	0	0	0	0
Eared Grebe	Secure	8	0	0	0	0	0	0	0
Horned Grebe	Sensitive	0	23	0	0	0	0	0	0
Red-necked Grebe	Secure	4	2	0	0	0	0	0	0
UNK Diver		0	0	0	0	0	0	0	0
UNK Diver Duck		2	0	2	0	212	5	0	0
UNK Duck		1	0	10	26	0	0	0	0
UNK Grebe		0	0	0	0	0	0	0	0
UNK Scaup		119	76	11	0	0	88	0	0
UNK Tern		0	0	0	0	0	0	2	0
Great Blue Heron	Sensitive	0	0	1	1	0	0	0	0
American Coot	Secure	2	3	0	0	0	0	0	0
Sandhill Crane	Sensitive	2	1	0	0	1	1	0	0
Black-bellied Plover	Secure	1	0	0	0	0	0	0	0
American Golden-Plover	Secure	1	1	0	1	0	0	0	0
Semipalmated Plover	Secure	13	13	0	0	0	0	0	0
Killdeer	Secure	13	5	0	0	17	9	0	2
Spotted Sandpiper	Secure	1	0	0	0	2	4	0	0
Solitary Sandpiper	Secure	0	0	0	0	0	1	0	0
Greater Yellowlegs	Secure	8	7	0	8	2	3	0	0
Lesser Yellowlegs	Secure	4	16	0	0	4	1	0	0
Upland Sandpiper	Sensitive	0	0	0	0	1	0	0	0
Ruddy Turnstone	Secure	0	0	0	0	0	0	0	0
Sanderling	Secure	0	0	0	0	0	1	0	0
Semipalmated Sandpiper	Secure	0	7	0	0	3	5	7	10
Least Sandpiper	Secure	2	0	0	0	0	0	0	0
White-rumped Sandpiper	Secure	0	0	0	4	0	0	0	0

Species	Alberta Risk Status	CNRL				Imperial			
		CNRL landed	U of A landed	CNRL flyover	U of A flyover	Imperial landed	U of A landed	Imperial flyover	U of A flyover
Baird's Sandpiper	Secure	0	1	5	0	4	10	0	0
Pectoral Sandpiper	Secure	4	3	0	0	0	0	0	0
Dunlin	Secure	0	1	0	0	0	0	0	0
Red-necked Phalarope	Secure	1	1	0	0	0	0	0	0
UNK Calidris		13	0	23	0	0	0	0	0
UNK Dowitcher		3	0	0	0	0	0	0	0
UNK Sandpiper		0	5	50	10	8	4	4	0
UNK Shorebird		29	10	95	31	5	9	0	1
UNK Yellowlegs		4	1	1	0	0	1	0	4
Northern Harrier	Sensitive	2	2	2	2	0	0	0	0
Sharp-shinned Hawk	Secure	0	0	1	0	0	0	0	0
Rough-legged Hawk	Secure	0	0	0	0	0	0	0	0
American Kestrel	Sensitive	0	1	0	1	0	0	0	0
Merlin	Secure	0	0	0	0	0	0	0	0
Peregrine Falcon	Threatened	0	0	0	0	0	0	0	0
UNK Depredates		0	0	0	1	0	0	0	0
Tree Swallow	Secure	0	0	18	22	0	0	10	11
Northern Rough-winged Swallow	Secure	0	0	0	1	0	0	0	0
Bank Swallow	Secure	0	0	0	0	0	0	0	1
Cliff Swallow	Secure	0	0	1	0	0	2	2	3
Barn Swallow	Sensitive	1	1	48	38	4	1	32	25
UNK Swallow		0	0	6	15	0	0	4	20
White-throated Sparrow	Secure	0	1	0	0	0	1	0	0
UNK Gleans		0	0	0	0	0	0	0	0
Ruffed Grouse	Secure	0	0	0	0	0	0	0	0
Sharp-tailed Grouse	Sensitive	0	0	0	0	0	0	0	0
Horned Lark	Secure	0	0	0	0	7	6	3	0
American Robin	Secure	0	0	0	0	0	1	1	0
European Starling	Exotic	0	0	0	0	0	0	0	0
American Pipit	Secure	0	0	112	1	0	27	12	30
Chipping Sparrow	Secure	0	0	0	0	0	0	0	0
Savannah Sparrow	Secure	0	5	0	3	0	6	0	0
Song Sparrow	Secure	0	1	0	1	0	1	0	0
Lapland Longspur	Secure	0	0	0	0	64	44	24	3
Snow Bunting	Secure	32	87	70	75	0	0	0	0
Red-winged Blackbird	Secure	0	1	0	0	0	0	0	0
Rusty Blackbird	Sensitive	0	51	0	2	0	5	0	0
Brewer's Blackbird	Secure	0	0	8	0	1	0	0	0
Common Grackle	Secure	0	0	0	0	0	0	0	0
Le Conte's Sparrow	Secure	0	2	0	0	0	0	0	0
UNK Blackbird		0	0	0	0	2	0	0	0
UNK Passerine		11	104	75	57	3	2	0	17
UNK Pecks		0	0	0	0	5	0	0	25
UNK Sparrow		3	0	2	0	0	0	0	0
Ring-billed Gull	Secure	0	0	0	0	0	0	0	0
California Gull	Secure	0	0	0	0	20	42	8	11
Herring Gull	Secure	0	0	0	0	0	0	0	0
Franklin's Gull	Secure	2	0	0	0	0	1	0	3
Black-billed Magpie	Secure	0	0	0	0	0	0	0	0
American Crow	Secure	0	3	0	13	0	0	0	0
Common Raven	Secure	25	25	77	90	5	13	10	15
Bonaparte's Gull	Secure	0	5	0	0	16	42	11	8
UNK BH Gull		0	0	0	0	0	3	0	5
UNK Corvid		0	0	0	0	0	0	0	0
UNK Gull		2	2	21	21	0	52	2	18
Grand Total		418	730	703	588	412	484	228	264

Species	Alberta Risk Status	Shell				Suncor			
		Shell landed	U of A landed	Shell flyover	U of A flyover	Suncor landed	U of A landed	Suncor flyover	U of A flyover
Greater White-fronted Goose	Secure	0	0	155	0	0	0	0	53
Snow Goose	Secure	1	1	120	113	0	0	61	130
Canada Goose	Secure	0	0	21	43	0	0	0	218
Tundra Swan	Secure	0	0	0	0	0	0	41	69
American Wigeon	Secure	1	1	0	0	5	9	0	0
Mallard	Secure	2	0	1	0	4	19	7	10
Blue-winged Teal	Secure	0	0	0	0	21	15	0	0
Northern Shoveler	Secure	1	2	0	0	0	5	0	0
Northern Pintail	Sensitive	0	0	4	3	0	0	0	0
Green-winged Teal	Sensitive	0	0	0	0	22	21	0	0
UNK Dabbling		0	2	0	0	1	1	0	8
UNK Goose		0	0	1	28	0	0	109	14
UNK Swan		0	0	0	0	0	0	21	0
Canvasback	Secure	0	0	0	0	4	14	0	0
Redhead	Secure	0	0	0	0	0	0	0	0
Ring-necked Duck	Secure	0	0	0	0	15	30	0	0
Greater Scaup	Secure	0	0	0	0	2	0	0	0
Lesser Scaup	Sensitive	0	0	0	0	7	0	0	0
Surf Scoter	Secure	6	0	0	0	0	2	0	0
White-winged Scoter	Special Concern	0	6	0	0	0	0	0	0
Long-tailed Duck	Secure	0	0	0	0	7	4	0	0
Bufflehead	Secure	0	0	0	0	16	22	0	0
Common Goldeneye	Secure	0	0	0	0	1	5	0	0
Common Merganser	Secure	2	0	0	0	0	0	0	0
Red-breasted Merganser	Secure	0	0	0	0	3	3	0	0
Ruddy Duck	Secure	0	0	0	0	3	3	0	0
Common Loon	Secure	0	2	0	0	0	0	0	1
Double-crested Cormorant	Secure	0	0	0	0	0	0	0	0
Black Tern	Sensitive	0	0	0	0	0	0	1	0
Common Tern	Secure	0	0	0	0	6	0	0	0
Belted Kingfisher	Secure	0	0	0	0	1	1	0	0
Eared Grebe	Secure	0	0	0	0	0	2	0	0
Horned Grebe	Sensitive	0	0	0	0	0	0	0	0
Red-necked Grebe	Secure	0	0	0	0	1	11	0	0
UNK Diver		0	0	0	0	14	0	0	0
UNK Diver Duck		0	0	0	1	0	12	0	0
UNK Duck		0	2	0	1	0	0	54	10
UNK Grebe		0	0	0	0	0	2	0	0
UNK Scaup		0	2	0	0	0	17	0	0
UNK Tern		0	0	0	0	0	0	0	0
Great Blue Heron	Sensitive	0	0	0	0	0	0	0	0
American Coot	Secure	0	0	0	0	0	0	0	0
Sandhill Crane	Sensitive	0	0	0	0	0	0	0	0
Black-bellied Plover	Secure	0	0	0	0	0	0	0	0
American Golden-Plover	Secure	0	0	0	0	0	0	0	0
Semipalmated Plover	Secure	0	0	0	0	0	1	0	0
Killdeer	Secure	0	0	0	0	3	3	0	0
Spotted Sandpiper	Secure	0	0	0	0	0	4	0	0
Solitary Sandpiper	Secure	0	0	0	0	0	0	0	0
Greater Yellowlegs	Secure	0	0	1	0	1	3	0	0
Lesser Yellowlegs	Secure	0	0	0	0	1	2	0	0
Upland Sandpiper	Sensitive	0	0	0	0	0	0	0	0
Ruddy Turnstone	Secure	0	0	0	0	0	0	0	0
Sanderling	Secure	0	0	0	0	0	0	0	0
Semipalmated Sandpiper	Secure	0	0	0	0	1	1	0	0
Least Sandpiper	Secure	0	0	0	0	0	0	0	0
White-rumped Sandpiper	Secure	0	0	0	0	0	0	0	0

Species	Alberta Risk Status	Shell				Suncor			
		Shell landed	U of A landed	Shell flyover	U of A flyover	Suncor landed	U of A landed	Suncor flyover	U of A flyover
Baird's Sandpiper	Secure	0	0	0	0	0	0	0	0
Pectoral Sandpiper	Secure	0	6	0	0	0	0	0	0
Dunlin	Secure	0	0	0	0	0	0	0	0
Red-necked Phalarope	Secure	0	0	0	0	0	0	0	0
UNK Calidris		0	0	0	0	0	0	0	0
UNK Dowitcher		0	0	0	0	0	0	0	0
UNK Sandpiper		0	22	0	0	0	0	0	0
UNK Shorebird		0	3	6	25	0	0	3	19
UNK Yellowlegs		0	0	0	0	0	0	0	0
Northern Harrier	Sensitive	0	0	0	1	0	0	0	0
Sharp-shinned Hawk	Secure	0	0	0	0	0	0	0	0
Rough-legged Hawk	Secure	0	0	1	0	0	0	0	0
American Kestrel	Sensitive	0	0	0	0	0	0	0	0
Merlin	Secure	0	0	0	0	0	0	1	1
Peregrine Falcon	Threatened	0	0	0	0	0	0	0	1
UNK Depredates		0	0	0	1	0	0	0	0
Tree Swallow	Secure	0	0	3	1	1	0	0	23
Northern Rough-winged Swallow	Secure	0	0	0	1	0	0	0	1
Bank Swallow	Secure	0	0	0	0	0	0	0	0
Cliff Swallow	Secure	0	0	0	0	0	0	0	0
Barn Swallow	Sensitive	0	0	6	6	0	12	32	21
UNK Swallow		0	0	1	1	0	4	7	15
White-throated Sparrow	Secure	0	0	0	0	0	0	0	0
UNK Gleans		0	0	0	0	0	0	5	0
Ruffed Grouse	Secure	0	0	0	0	0	0	0	0
Sharp-tailed Grouse	Sensitive	0	0	0	0	0	0	0	8
Horned Lark	Secure	0	0	0	0	0	0	0	0
American Robin	Secure	0	0	1	0	0	0	0	0
European Starling	Exotic	0	0	0	0	0	0	0	0
American Pipit	Secure	3	6	4	32	10	20	5	19
Chipping Sparrow	Secure	1	0	0	0	0	1	0	0
Savannah Sparrow	Secure	0	0	0	0	0	0	0	0
Song Sparrow	Secure	0	0	0	0	0	0	0	0
Lapland Longspur	Secure	0	0	0	0	0	0	0	0
Snow Bunting	Secure	26	55	8	0	0	90	0	3
Red-winged Blackbird	Secure	0	0	0	0	2	2	3	0
Rusty Blackbird	Sensitive	0	0	0	0	0	2	0	3
Brewer's Blackbird	Secure	0	0	0	0	0	0	0	0
Common Grackle	Secure	0	0	0	0	2	1	5	0
Le Conte's Sparrow	Secure	0	0	0	0	0	0	0	0
UNK Blackbird		0	0	0	0	0	1	1	3
UNK Passerine		2	4	5	17	0	4	4	94
UNK Pecks		0	0	1	0	1	8	131	140
UNK Sparrow		0	0	0	0	2	0	33	0
Ring-billed Gull	Secure	0	0	0	0	0	0	3	0
California Gull	Secure	0	0	1	1	0	0	1	18
Herring Gull	Secure	0	0	0	0	0	0	0	0
Franklin's Gull	Secure	0	0	35	50	0	0	0	0
Black-billed Magpie	Secure	0	0	0	0	0	2	4	4
American Crow	Secure	0	0	0	3	0	0	6	7
Common Raven	Secure	4	13	19	28	9	13	61	62
Bonaparte's Gull	Secure	0	0	0	0	0	0	0	0
UNK BH Gull		0	0	0	0	0	0	0	0
UNK Corvid		0	0	0	0	0	0	6	0
UNK Gull		0	0	0	8	0	0	102	103
Grand Total		49	127	394	364	166	373	707	1058

Species	Alberta Risk Status	Syncrude				Total	
		Syncrude landed	U of A landed	Syncrude flyover	U of A flyover	Total landed	Total flyover
Greater White-fronted Goose	Secure	0	0	0	0	0	208
Snow Goose	Secure	0	0	0	0	3	424
Canada Goose	Secure	2	2	227	211	46	1006
Tundra Swan	Secure	0	0	0	0	0	110
American Wigeon	Secure	2	2	0	0	29	2
Mallard	Secure	0	1	3	0	89	70
Blue-winged Teal	Secure	0	0	0	0	36	0
Northern Shoveler	Secure	0	0	1	0	10	6
Northern Pintail	Sensitive	3	0	0	0	13	7
Green-winged Teal	Sensitive	0	0	0	0	48	3
UNK Dabbling		2	1	13	59	16	104
UNK Goose		0	0	0	0	0	152
UNK Swan		0	0	0	0	0	21
Canvasback	Secure	0	0	2	2	53	4
Redhead	Secure	0	0	0	0	23	0
Ring-necked Duck	Secure	0	0	0	0	61	0
Greater Scaup	Secure	0	0	0	0	81	0
Lesser Scaup	Sensitive	0	0	0	0	105	0
Surf Scoter	Secure	0	5	0	0	26	0
White-winged Scoter	Special Concern	0	0	0	3	6	4
Long-tailed Duck	Secure	1	22	0	0	44	0
Bufflehead	Secure	0	0	0	0	40	0
Common Goldeneye	Secure	2	0	0	3	41	6
Common Merganser	Secure	0	2	0	0	7	0
Red-breasted Merganser	Secure	0	0	0	0	6	0
Ruddy Duck	Secure	1	1	0	0	25	0
Common Loon	Secure	0	0	0	0	14	3
Double-crested Cormorant	Secure	1	0	0	0	1	0
Black Tern	Sensitive	0	0	0	0	0	1
Common Tern	Secure	0	0	0	0	11	1
Belted Kingfisher	Secure	0	0	0	0	2	0
Eared Grebe	Secure	0	3	0	0	13	0
Horned Grebe	Sensitive	0	0	0	0	23	0
Red-necked Grebe	Secure	0	2	0	0	20	0
UNK Diver		0	0	0	0	14	0
UNK Diver Duck		0	4	0	1	235	4
UNK Duck		0	0	2	0	3	103
UNK Grebe		0	9	0	0	11	0
UNK Scaup		0	4	0	0	306	11
UNK Tern		0	0	0	0	0	2
Great Blue Heron	Sensitive	0	0	5	5	0	12
American Coot	Secure	0	0	0	4	5	4
Sandhill Crane	Sensitive	0	0	1	1	5	2
Black-bellied Plover	Secure	0	0	0	0	1	0
American Golden-Plover	Secure	0	0	0	0	2	1
Semipalmated Plover	Secure	0	0	0	0	27	0
Killdeer	Secure	0	0	0	0	50	2
Spotted Sandpiper	Secure	0	0	0	0	11	0
Solitary Sandpiper	Secure	0	0	0	0	1	0
Greater Yellowlegs	Secure	6	10	0	0	40	9
Lesser Yellowlegs	Secure	0	0	0	0	28	0
Upland Sandpiper	Sensitive	0	0	0	0	1	0
Ruddy Turnstone	Secure	2	2	0	0	4	0
Sanderling	Secure	0	0	0	0	1	0
Semipalmated Sandpiper	Secure	0	0	0	0	17	17
Least Sandpiper	Secure	0	0	0	0	2	0
White-rumped Sandpiper	Secure	0	0	0	0	0	4

Species	Alberta Risk Status	Syncrude				Total	
		Syncrude landed	U of A landed	Syncrude flyover	U of A flyover	Total landed	Total flyover
Baird's Sandpiper	Secure	0	0	0	0	15	5
Pectoral Sandpiper	Secure	0	2	0	0	15	0
Dunlin	Secure	0	15	0	0	16	0
Red-necked Phalarope	Secure	0	0	0	0	2	0
UNK Calidris		0	0	0	0	13	23
UNK Dowitcher		0	0	0	0	3	0
UNK Sandpiper		2	30	0	0	71	64
UNK Shorebird		51	6	20	29	113	229
UNK Yellowlegs		3	0	0	0	9	5
Northern Harrier	Sensitive	0	0	4	2	4	11
Sharp-shinned Hawk	Secure	0	0	0	0	0	1
Rough-legged Hawk	Secure	0	0	0	0	0	1
American Kestrel	Sensitive	0	0	4	1	1	6
Merlin	Secure	0	0	0	1	0	3
Peregrine Falcon	Threatened	0	0	0	0	0	1
UNK Depredates		0	0	1	0	0	3
Tree Swallow	Secure	1	1	7	5	3	100
Northern Rough-winged Swallow	Secure	0	0	0	0	0	3
Bank Swallow	Secure	3	14	58	4	17	63
Cliff Swallow	Secure	0	0	5	0	2	11
Barn Swallow	Sensitive	1	14	6	29	34	243
UNK Swallow		0	0	13	11	4	93
White-throated Sparrow	Secure	0	1	0	0	3	0
UNK Gleans		0	1	0	0	1	5
Ruffed Grouse	Secure	0	2	0	0	2	0
Sharp-tailed Grouse	Sensitive	0	0	0	0	0	8
Horned Lark	Secure	0	0	0	0	13	3
American Robin	Secure	0	0	0	0	1	2
European Starling	Exotic	4	2	0	0	6	0
American Pipit	Secure	0	3	0	26	69	241
Chipping Sparrow	Secure	0	0	0	0	2	0
Savannah Sparrow	Secure	0	2	0	0	13	3
Song Sparrow	Secure	0	0	0	0	2	1
Lapland Longspur	Secure	0	0	0	0	108	27
Snow Bunting	Secure	2	0	2	0	292	158
Red-winged Blackbird	Secure	0	0	1	1	5	5
Rusty Blackbird	Sensitive	0	0	0	0	58	5
Brewer's Blackbird	Secure	0	0	0	0	1	8
Common Grackle	Secure	0	0	0	0	3	5
Le Conte's Sparrow	Secure	0	0	0	0	2	0
UNK Blackbird		1	0	0	0	4	4
UNK Passerine		0	5	2	33	135	304
UNK Pecks		0	2	19	0	16	316
UNK Sparrow		0	0	1	2	5	38
Ring-billed Gull	Secure	0	2	0	0	2	3
California Gull	Secure	0	151	0	1	213	41
Herring Gull	Secure	16	6	3	0	22	3
Franklin's Gull	Secure	0	1	0	0	4	88
Black-billed Magpie	Secure	0	0	2	2	2	12
American Crow	Secure	0	3	0	7	6	36
Common Raven	Secure	12	15	41	47	134	450
Bonaparte's Gull	Secure	4	3	0	0	70	19
UNK BH Gull		0	0	0	0	3	5
UNK Corvid		0	0	0	0	0	6
UNK Gull		0	207	12	25	263	312
Grand Total		122	558	455	515	3439	5276