Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stand and vehicle
FY08

	Unit	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Buffleheaed	Ruddy duck	Hooded Merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose
11/13/2007	Ponds	2653	200	298	0	1479	231	280	287	154	222	0	0	0	0	0	298	0	200	0
	Borrow pits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	South Levee	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Warwick Trac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2655	200	298	0	1481	231	280	287	154	222	0	0	0	0	0	298	0	200	0
11/29/2007	Ponds	5090	3653	137	87	2203	896	141	297	1	1355	0	0	40	0	10	137	0	3616	37
	Borrow pits	128	0	0	0	126	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	South Levee	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Warwick Trac	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	5162	3653	137	87	2333	898	141	297	1	1355	0	0	40	0	10	137	0	3616	37
12/17/2007	Ponds	7726	1609	147	2929	1352	322	268	244	13	2585	0	0	9	0	4	147	5	1599	5
	Borrow pits	212	0	0	0	211	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	South Levee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Warwick Trac	11	0	0	0	9	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	Total	7949	1609	147	2929	1572	322	268	244	13	2585	0	1	9	0	6	147	5	1599	5
1/7/2008	Ponds	10383	331	85	595	2421	1090	312	274	10	5654	0	10	17	0	0	85	0	320	11
	Borrow pits	250	0	0	0	245	2	0	0	0	3	0	0	0	0	0	0	0	0	0
	South Levee	24	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Warwick	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	10657	331	85	595	2690	1092	312	274	10	5657	0	10	17	0	0	85	0	320	11
1/25/2008	Ponds	11223	721	477	1250	3298	1119	273	688	75	3998	0	515	5	0	2	477	0	696	25
	Borrow pits	765	0	0	0	713	16	8	6	2	18	2	0	0	0	0	0	0	0	0
	South Levee	20	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Warwick	56	0	0	0	42	0	3	7	0	0	0	0	0	0	4	0	0	0	0
	New Property	25	0	0	0	19	0	0	6	0	0	0	0	0	0	0	0	0	0	0
	Total	12089	721	477	1250	4092	1135	284	707	77	4016	2	515	5	0	6	477	0	696	25
2/6/2008	Ponds	1069	9	700	0	164	169	4	364	0	162	0	140	26	40	0	700	8	0	1
	Borrow pits	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	South Levee	236	0	0	0	187	0	37	0	0	12	0	0	0	0	0	0	0	0	0
	Warwick	24	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	New Property	497	0	0	200	31	25	10	6	0	225	0	0	0	0	0	0	0	0	0
	Total	1828	9	700	200	408	194	51	370	0	399	0	140	26	40	0	700	8	0	1
2/27/2008	Ponds	4297	375	1899	0	647	1010	60	1275	21	969	0	174	62	79	0	1899	3	371	1
	Borrow pits	10	0	5	0	8	2	0	0	0	0	0	0	0	0	0	5	0	0	0
	South Levee	Not Surveyed																		
	Warwick	153	0	0	0	65	0	0	23	0	63	0	0	0	0	2	0	0	0	0
	New Property	Not Surveyed																		
	Total	4460	375	1904	0	720	1012	60	1298	21	1032	0	174	62	79	2	1904	3	371	1

Coldwater River National Wildlife Refuge
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FY08

Unit	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose
Ponds	2653	200	298	0	1479	231	280	287	154	222	0	0	0	0	0	298	0	200	0
Borrow pits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Levee	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warwick Tract	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2655	200	298	0	1481	231	280	287	154	222	0	0	0	0	0	298	0	200	0
Ponds	5030	3653	137	87	2203	896	141	297	1	1355	0	0	40	0	10	137	0	3616	37
Borrow pits	128	0	0	0	126	2	0	0	0	0	0	0	0	0	0	0	0	0	0
South Levee	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warwick Tract	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5162	3653	137	87	2333	898	141	297	1	1355	0	0	40	0	10	137	0	3616	37
Ponds	7726	1609	147	2929	1352	322	268	244	13	2585	0	0	9	0	4	147	5	1599	5
Borrow pits	212	0	0	0	211	0	0	0	0	0	0	1	0	0	0	0	0	0	0
South Levee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warwick Tract	11	0	0	0	9	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Total	7949	1609	147	2929	1572	322	268	244	13	2585	0	1	9	0	6	147	5	1599	5
Ponds	10383	331	85	595	2421	1090	312	274	10	5654	0	10	17	0	0	85	0	320	11
Borrow pits	250	0	0	0	245	2	0	0	0	3	0	0	0	0	0	0	0	0	0
South Levee	24	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warwick	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10657	331	85	595	2690	1092	312	274	10	5657	0	10	17	0	0	85	0	320	11
Ponds	11223	721	477	1250	3298	1119	273	688	75	3998	0	515	5	0	2	477	0	696	25
Borrow pits	765	0	0	0	713	16	8	6	2	18	2	0	0	0	0	0	0	0	0
South Levee	20	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warwick	56	0	0	0	42	0	3	7	0	0	0	0	0	0	4	0	0	0	0
New Property	25	0	0	0	19	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Total	12089	721	477	1250	4092	1135	284	707	77	4016	2	515	5	0	6	477	0	696	25
Ponds	1069	9	700	0	164	169	4	364	0	162	0	140	26	40	0	700	8	0	1
Borrow pits	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Levee	236	0	0	0	187	0	37	0	0	12	0	0	0	0	0	0	0	0	0
Warwick	24	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Property	497	0	0	200	31	25	10	6	0	225	0	0	0	0	0	0	0	0	0
Total	1828	9	700	200	408	194	51	370	0	399	0	140	26	40	0	700	8	0	1
Ponds	4297	375	1899	0	647	1010	60	1275	21	969	0	174	62	79	0	1899	3	371	1
Borrow pits	10	0	5	0	8	2	0	0	0	0	0	0	0	0	0	5	0	0	0
South Levee	Not Surveyed																		
Warwick	153	0	0	0	65	0	0	23	0	63	0	0	0	0	2	0	0	0	0
New Property	Not Surveyed																		
Total	4460	375	1904	0	720	1012	60	1298	21	1032	0	174	62	79	2	1904	3	371	1

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stand and vehicle
11/13/2007

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	American coot	Greater white-fronted goose	Lesser snow goose
A	11:40	11:40	Good	0	0	0											
B	11:41	11:41	Good	0	0	0											
C	11:42	11:50	Excellent	1100	200	120		400	100	250	150	50	150		120	200	
D	11:50	11:50	Poor	0	0	0											
E	11:51	11:51	Poor	0	0	0											
F	11:51	11:51	Poor	0	0	0											
G	12:52	12:56	Excellent	37	0	5		10	8		19				5		
H	12:48	12:49	Excellent	0	0	90									90		
I	11:54	12:00	Good	115	0	38		50	30		15		20		38		
J	11:16	11:26	Good	242	0	0		62	20		70	40	50				
K	12:02	12:04	Excellent	6	0	45		6							45		
L	no visibility - coffeeweed			0	0	0											
M	12:04	12:05	Poor	0	0	0											
N	10:52	11:13	Fair	212	0	0		87	46		25	52	2				
PP	12:19	12:19	Poor	0	0	0											
P	10:47	10:51	Poor	31	0	0		24	7								
Q	12:20	12:30	Excellent	910	0	0		840	20	30	8	12					
R	10:45	10:47	Fair	0	0	0											
S	poor visibility			0	0	0											
T	10:44	10:45	Poor	0	0	0											
U	12:35	12:35	Poor	0	0	0											
V	10:42	10:44	Poor	0	0	0											
W	12:35	12:35	Poor	0	0	0											
X	10:41	10:42	Fair	0	0	0											
Borrow pits	10:37	10:39	Good	0	0	0											
South Levee	10:08	10:22	Poor	2	0	0		2									
Warwick Tract	9:43	9:53	Fair	0	0	0											
Totals				2655	200	298	0	1481	231	280	287	154	222	0	298	200	0
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	American coot	Greater white-fronted goose	Lesser snow goose

overcast, mid-60's. Bald eagle on property. Flushed birds from A, C, G?, and I. Great blue herons on ponds B, J, N, Warwick Tract (3), and the south levee. Pied-billed grebes on ponds G, H(2), I(2), N(2), and Q(2) Hooded merganser on pond H. Ducks flushed from unit K when arrived and didn't return during survey period. Overall, visibility poor due to vegetation (many trees haven't lost leaves yet).

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stand
11/29/2007

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose
A	11:56	11:59	Excellent	87	0	0	87													
B	11:59	12:00	Fair	0	0	0														
C	12:00	12:03	Excellent	1700	0	0		340	255	85	170		850							
D	12:03	12:04	Fair	0	0	0														
E	12:04	12:05	Fair	0	0	0														
F	12:05	12:05	Fair	0	0	0														
G	13:19	13:21	Excellent	140	0	5		65	35		20		20					5		
H	13:10	13:16	Excellent	76	0	68		12	14						40		10	68		
I	12:10	12:19	Good	380	2	20		140	180		20		40					20		2
J	11:25	11:41	Good	218	1309	0		97	75		46								1300	9
K	12:20	12:34	Excellent	436	400	44		300	80	6			50					44	400	
L	11:19	11:25	Fair	80	0	0		54	17		9									
M	12:34	12:35	Fair	0	0	0														
N	11:03	11:18	Fair	365	268	0		203	25		1	1	135						268	
PP	12:48	12:49	Poor	0	0	0														
P	10:56	11:02	Good	268	0	0		248	10				10							
Q	12:49	12:54	Excellent	1000	1526	0		550	200	50			200							
R	10:53	10:56	Fair	53	0	0		40	5		8								1500	26
S	12:58	13:00	Excellent	13	0	0		4			9									
T	10:51	10:53	Good	0	0	0														
U	13:00	13:01	Good	0	0	0														
V	10:32	10:43	Fair	84	148	0		70			14									
W	14:09	14:09	Good	130	0	0		80					50						148	
X	10:30	10:32	Fair	0	0	0														
Borrow pits	10:22	10:29	Good	128	0	0		126	2											
South Levee	10:02	10:10	Poor	2	0	0		2												
Warwick Tract	9:30	9:48	Fair	2	0	0		2												
Totals				5162	3653	137	87	2333	898	141	297	1	1355	0	40	0	10	137	3616	37
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose

Clear, approximately 50 F. Flushed birds from pond K when getting into stands, estimated geese, but duck numbers probably only represent 1/4 total on pond. Vegetation too thick to accurately survey units E, G, L, R, S, T, U, W, and X. Great blue herons observed on/in the Warwick Tract (2), north borrow pit, pond J, and pond S. Pied-billed grebe on pond K. Pond J had over 60 snipe. Nutria observed in ponds J (10+), and K. A flock of approximately 10,000 snow geese was feeding in the field just west of pond C.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stands and ACOE levee
~~01/04/2007~~
12/7/07

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose
A	12:30	12:32	Excellent	35	0	0	35														
B	12:32	12:35	Excellent	58	0	0	44			8		6									
C	12:38	12:44	Excellent	1300	0	0	1300														
D	12:44	12:48	Excellent	46	1	20		40		2	2	2						20			1
E	12:48	12:48	Excellent	0	0	0															
F	12:49	12:55	Excellent	85	0	65		3	50	2			30					65			
G	12:55	12:57	Excellent	1000	0	0	1000														
H	12:57	13:00	Excellent	550	0	0	550														
I	13:01	13:09	Good	211	7	30		75		4	4		125		3			30		7	
J	11:41	11:55	Good	182	2	0		40	60		70		10				2			2	
K	12:08	12:22	Excellent	412	3	20		100	100	2	50	2	150		6		2	20			3
L	11:35	11:40	Good	50	0	0		40		2	6	2									
M	13:09	13:15	Fair	110	850	0			50	40			20							850	
N	11:28	11:34	Good	402	30	0		182			20		200							30	
PP	13:31	13:33	Fair	0	500	0														500	
P	11:17	11:27	Good	607	1	0		318	10	8	30	1	240								1
Q	13:33	13:45	Excellent	2000	60	0		400	50	200	50		1300						5	60	
R	11:11	11:17	Good	60	0	0		54	2				4								
S	13:45	13:51	Excellent	558	0	12		48			6		504					12			
T	11:06	11:11	Excellent	2	0	0		2													
U	13:51	13:51	Excellent	0	0	0															
V	10:56	11:06	Fair	58	150	0		50			6		2							150	
W	13:51	13:51	Fair	0	0	0															
X	10:54	10:56	Fair	0	0	0															
Borrow pits	10:14	10:53	Good	212	0	0		211						1							
South Levee	10:14	10:30	Fair	0	0	0															
Warwick Trac	9:33	9:56	Fair	11	0	0		9													
																	2				
Totals	9:33	13:51		7949	1604	147	2929	1572	322	268	244	13	2585	1	9	0	6	147	5	1599	5
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot		Greater white-fronted goose	Lesser snow goose

Lows overnight in 20's, skim ice in shallows, clear, calm 40 F. Road graders working. Ponds A, C, G, and H. Could not get good tally of individual species on some units - too much glare. Hunting season in effect, did not drive pond interior roads. Pond J had 125+ snipe, 1 yellowlegs and 2 killdeer. Additional species observed include great blue herons on ponds N (1), P (2), and the Warwick tract (2). Vegetation hindered observations on ponds E, G, L, R, S, T, U, W, and X.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stands and ACOE levee
01/07/2008

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose
A	12:13	12:15	Excellent	20	0	5	20											5			
B	12:31	12:33	Excellent	75	0	0	75						154								
C	12:16	12:18	Excellent	154	0	0								10				6			
D	11:51	11:55	Excellent	147	0	6		63	28	1	45										
E	12:19	12:19	Excellent	0	0	0							10					48			
F	12:25	12:30	Excellent	100	0	48		30	40		20										
G	12:19	12:20	Excellent	500	0	0	500								10			5		1	
H	12:20	12:25	Excellent	695	1	5			685												
I	12:33	12:36	Excellent	455	0	0		150		50	5		250					3			
J	11:18	11:40	Good	1050	0	3		400	30	100	70		450								
K	12:02	12:08	Excellent	247	0	6		40	200						7			6			
L	11:10	11:18	Fair	224	0	0		95	25	2		2	100								
M	12:37	12:48	Good	575	210	0		200		75			300						200	10	
N	11:03	11:08	Fair	335	0	0		165	5		6	4	155								
PP	12:50	12:52	Good	195	100	0		100		20			75						100		
P	10:56	11:02	Excellent	774	0	0		300	20	4	50		400								
Q	13:03	13:06	Excellent	1980	0	0		200		50	30		1700								
R	10:53	10:56	Good	33	0	0		20	13												
S	13:06	13:09	Excellent	2010	0	0		5			5		2000								
T	10:46	10:52	Excellent	43	0	12		27	4		8	4						12			
U	13:09	13:10	Excellent	14	0	0		14											20		
V	13:39	13:46	Fair	580	20	0		530		10	30		10								
W	13:23	13:27	Good	177	0	0		82	40		5		50								
X	10:37	10:38	Fair	0	0	0															
Borrow pits	9:42	10:20	Good	250	0	0		245	2				3								
South Levee	9:46	9:55	Poor	24	0	0		24													
Warwick	9:15	9:31	Fair	0	0	0															
Totals	9:15	13:27		10657	331	85	595	2690	1092	312	274	10	5657	10	17	0	0	85	320	11	0
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose

Overcast and breezy, approximately 66 F. Other species observed include: blue-wing teal (6) - unit D; common snipe (75) - unit J; great blue heron - Units J (2), K (1), M (1), PP (1), and Warwick (4); and black duck (2) - Unit W.
Units with poor or limited visibility (largely due to dense vegetation) include: E, G, L, R, S, U, W, and X.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stands and ACOE levee
01/25/2008

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose
A	12:40	12:40	Excellent	250	0	0	250															
B	11:53	11:55	Excellent	261	0	0		125	100		36											
C	12:40	12:42	40% ice	600	10	0	600														10	
D	12:15	12:22	5% ice	329	0	20		75	100	4	150								20			
E	12:42	12:42	Not visible	0	0	0																
F	12:42	12:45	Excellent	650	0	200		350	200				100						200			
G	12:45	12:46	Excellent	400	0	0	400															
H	12:46	12:52	Excellent	450	2	100		100	300			50							100		2	
I	12:02	12:09	20% ice	350	0	0		35	17		121		173			4						
J	11:45	11:50	85% ice	402	0	0		20	8	1	132		240			1						
K	12:30	12:35	Excellent	710	0	100		300	200	8	75		125					2	100			
L	11:39	11:43	20% ice	500	0	0		350		25	25		100									
M	12:52	12:57	85% ice	500	201	0		300	25	75			100							200	1	
N	11:32	11:36	50% ice	256	0	0		175	13		13		50		5							
PP	13:02	13:04	50% ice	494	0	0		200		4	10		280									
P	11:26	11:31	40% ice	620	0	0		400	20	50	50		100									
Q	13:11	13:18	10% ice	1535	1	0		200		50	50	25	700		510						1	
R	11:21	11:25	75% ice	182	4	0		178	4											4		
S	13:18	13:22	50% ice	2040	0	0		20			20		2000									
T	11:08	11:20	Excellent	474	215	54		304	108	56	6								54	215		
U	13:23	13:23	Not visible	0	0	0																
V	11:06	11:12	100% ice	0	288	0														277	11	
W	13:28	13:30	70% ice	216	0	3		162	24				30						3			
X	11:04	11:06	85% ice	4	0	0		4														
Borrow pits	10:26	10:50	Excellent	765	0	0		713	16	8	6	2	18	2								
South Levee	13:59	14:06	Fair	20	0	0		20														
Warwick	9:53	10:15	Fair	56	0	0		42		3	7							4				
New Property	13:43	13:43	Fair	25	0	0		19			6											
Totals	9:53	14:06		12089	721	477	1250	4092	1135	284	707	77	4016	2	515	5	0	6	477	696	25	0
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose

Overcast, still, 32 F. Ice in wooded areas, some open water frozen. Other species observed include: Great blue heron - Warwick Tract (1), Pond J (1); pied-billed grebe - Warwick Tract (1); hybrid mallard - north borrow pit(1); and greater yellowlegs - Warwick Tract (4). Units with poor or limited visibility (largely due to dense vegetation) include: E, G, R, S, U, W, and X.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from levees
02/06/2008

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose
A	12:32	12:36	Excellent	6	0	30		2			2					2			30			
B	12:26	12:31	Excellent	53	0	42		4	39		2		2			6			42			
C	12:36	12:41	Excellent	187	0	0		2	2		35				108		40					
D	12:41	12:48	Excellent	24	0	64		2	20		2								64			
E	12:57	13:12	Excellent	58	0	98		20	2	2	34								98			
F	12:49	12:54	Excellent	72	0	153		4	60		2				2	4			153			
G	12:58	13:01	Excellent	6	0	47			6										47			
H	12:19	12:21	Excellent	8	0	80									8				80			
I	11:26	11:32	Good	116	0	13		2			75		36			3			13			
J	11:16	11:26	Good	207	0	13		11	2		168		20		4	2			13			
K	11:41	11:45	Excellent	4	0	10										4			10			
L	11:08	11:14	Excellent	53	0	112		7	27				19						112			
M	11:46	11:51	Good	18	0	6		10					8						6			
N	11:04	11:07	Good	19	0	0		6	11				2									
PP	11:51	11:55	Excellent	28	8	0		18					10									8
P	11:01	11:03	Excellent	6	0	0		6														
Q	11:55	11:58	Excellent	10	0	0		2							3	5						
R	10:58	11:00	Excellent	0	0	0																
S	11:59	12:02	Excellent	4	0	0							4									
T	10:48	10:56	Excellent	19	0	25				2	2				15				25			
U	12:05	12:07	Excellent	0	0	0																
V	10:35	10:46	Good	158	1	0		62			35		61								1	
W	12:08	12:12	Excellent	11	0	7		4			7								7			
X	10:33	10:35	Good	2	0	0		2														
Borrow pits	10:23	10:31	Good	2	0	0		2														
South Levee	13:48	13:59	Good	236	0	0		187		37			12									
Warwick	9:47	10:00	Fair	24	0	0		24														
New Property	13:16	13:37	Fair	497	0	0	200	31	25	10	6		225									
Totals	9:47	13:59		1828	9	700	200	408	194	51	370	0	399	0	140	26	40	0	700	0	1	8
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose

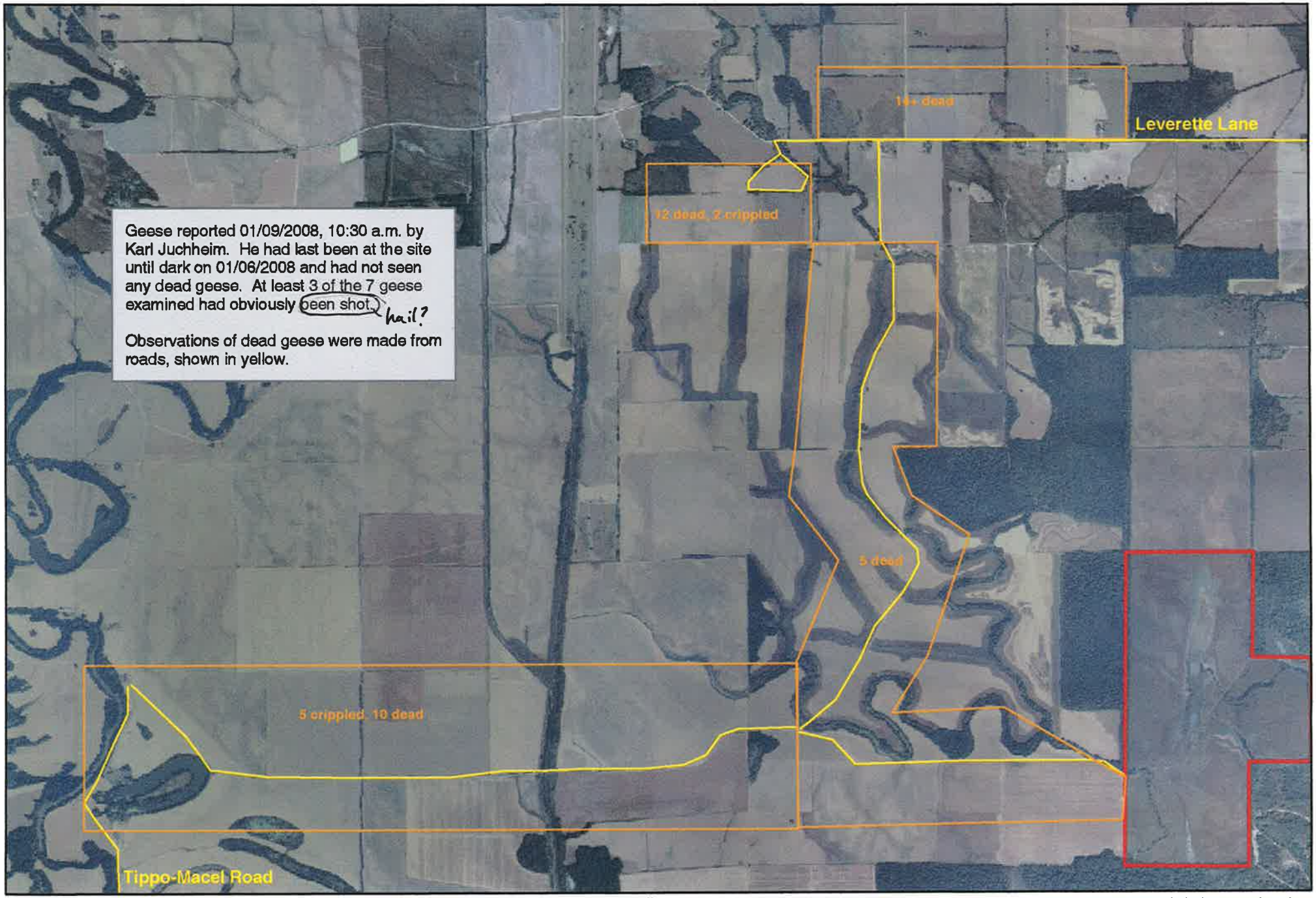
Overcast,windy, approx. 50 F, temperature dropped to 45 F during survey but warmed back to 50 F by end. Rained last night. Other species observed include: canvasback - pond N (1); great blue heron - Warwick (3), New Property (1); pied-billed grebe - Warwick (1), pond A (4), pond D (1). New property backfilling from ditch, some milo flooded. Survey conducted from vehicle - stands not used. Low numbers may be a reflection of increased water availability on other properties, coupled with the end of hunting season. Additionally, fresh tracks were seen going onto the I-K cross levee. May have disturbed the ducks prior to the survey.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from levees
02/27/2008

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose
A	14:02	14:06	Excellent	122	0	300		75	30		4	2				10	1		300			
B	13:54	14:02	Excellent	152	0	300		50	20		30	2	50						300			
C	14:07	14:16	Excellent	105	0	0			4		7	8	2		21		63					
D	13:46	13:50	Excellent	236	0	90		50	40	20	125					1			90			
E	14:18	14:21	Excellent	121	0	110		2	4		60		55						110			
F	13:39	13:46	Excellent	159	0	123		20	32		43		58		1	5			123			
G	14:21	14:24	Excellent	180	0	170		50	40		70				20				170			
H	13:18	13:35	Excellent	344	0	186		4	238		12				70	20			186			
I	12:02	12:16	Excellent	299	0	44		12	69	2	90		107		2	5	12		44			
J	11:19	11:50	Excellent	736	0	148		10	215	18	201		292						148			
K	12:19	12:25	Excellent	189	0	219		4	160		9		16						219			
L	11:07	11:17	Excellent	191	0	25		78	58	4	49		2						25			
M	12:28	12:36	Excellent	333	0	10		66	36	16	118		97						10			
N	10:51	11:05	Excellent	132	306	0		75			31	9	17							305	1	
PP	12:37	12:44	Excellent	98	0	45		68	4		24		2						45			
P	10:38	10:50	Excellent	90	18	19		22	29		30		8			1			19	15		3
Q	12:44	12:53	Excellent	691	0	55		36	12		350		220		50	20	3		55			
R	10:36	10:38	Excellent	0	0	0																
S	12:55	12:59	Excellent	19	0	18		10	4		5								18			
T	10:30	10:36	Excellent	20	0	12		4	4		2				10				12			
U	12:59	13:03	Excellent	8	0	0			2		6											
V	10:23	10:30	Excellent	54	50	3		2			9		43						3	50		
W	13:03	13:07	Excellent	16	1	21		7	9										21	1		
X	10:21	10:23	Excellent	2	0	1		2											1			
Borrow pits	10:12	10:19	Excellent	10	0	5		8	2										5			
South Levee	Not Surveyed			0	0	0																
Warwick	9:39	10:01	Good	153	0	0		65			23		63					2				
New Property	Not Surveyed			0	0	0																
Totals	9:39	14:24		4460	375	1904	0	720	1012	60	1298	21	1032	0	174	62	79	2	1904	371	1	3
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose	

Sunny with few clouds, calm at start of survey, windy by end, 48 F. Other species observed include: canvasback - pond C (1); redheads - pond C (5); blue wing teal - unit J (2); great blue heron - Warwick (1), unit B (1), unit PP (2); pied-billed grebe - Borrow Pits (1), unit Q (2), unit W (1); horned grebe - unit H (1); unknown terns - unit M (2). Poor visibility on units S, T, and U.

Snow Geese Mortality – probably result of hail
01/07/2008 - 01/09/2008



North Mississippi Refuges Complex
c:\arcview\projects\wildlife\snowgeesemort_010908.mxd
R.L. Rosamond 01/10/2008

Tallahatchie National Wildlife Refuge
Waterfowl Survey
Ground Count
01/09/2008

Unit	Start	Finish	Water Condition	Total ducks	Total geese	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green wing teal	Greater white-fronted goose	Lesser snow goose
North Side, east	9:36	10:46	Fair	210	127	199	5		2	4			127
Walker	12:40	13:03	Good	4080	0	1500	500		40	40	2000		
North County Road, sloughs	13:34	13:48	Fair	49	0	30	15			2	2		
ACOE structure	13:58	13:58	Good	8	0	8							
Field 46	13:36	13:48	Fair	268	250	195	20	24	23	4	2	245	5
Field 48	14:04	14:20	Fair	900	6250	90	27	45	36	27	675	250	6000
Grain bin units	14:38	14:44	Fair	0	0								
Longbranch	14:49	14:55	Excellent	0	0								
Unit 58	15:00	15:00	Good	0	0								
Totals				5515	6627	2022	567	69	101	77	2679	495	6132
				Total ducks	Total geese	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green wing teal	Greater white-fronted goose	Lesser snow goose

Poor visibility on north side, east, along north county road, and in grain bin units. Birds on Walker Tract highly susceptible to disturbance. Count is purely an estimate. Due to weather, survey was conducted on a hunting day, which may have caused lack of birds on the south side. Additional species observed included: pied-billed grebe - 3 on grain bin units (#30), 1 on north side, east and dowitchers - (~50) on unit 48. MDOT was working on the highway in front of unit 58 all day.

Sunny + breezy, 52°F.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stand and vehicle
11/13/2007

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	American coot	Greater white-fronted goose	Lesser snow goose
A	11:40	11:40	Good	0	0	0											
B	11:41	11:41	Good	0	0	0											
C	11:42	11:50	Excellent	1100	200	120		400	100	250	150	50	150		120	200	
D	11:50	11:50	Poor	0	0	0											
E	11:51	11:51	Poor	0	0	0											
F	11:51	11:51	Poor	0	0	0											
G	12:52	12:56	Excellent	37	0	5		10	8		19				5		
H	12:48	12:49	Excellent	0	0	90									90		
I	11:54	12:00	Good	115	0	38		50	30		15		20		38		
J	11:16	11:26	Good	242	0	0		62	20		70	40	50				
K	12:02	12:04	Excellent	6	0	45		6							45		
L	no visibility - coffeeweed			0	0	0											
M	12:04	12:05	Poor	0	0	0											
N	10:52	11:13	Fair	212	0	0		87	46		25	52	2				
PP	12:19	12:19	Poor	0	0	0											
P	10:47	10:51	Poor	31	0	0		24	7								
Q	12:20	12:30	Excellent	910	0	0		840	20	30	8	12					
R	10:45	10:47	Fair	0	0	0											
S	poor visibility			0	0	0											
T	10:44	10:45	Poor	0	0	0											
U	12:35	12:35	Poor	0	0	0											
V	10:42	10:44	Poor	0	0	0											
W	12:35	12:35	Poor	0	0	0											
X	10:41	10:42	Fair	0	0	0											
Borrow pits	10:37	10:39	Good	0	0	0											
South Levee	10:08	10:22	Poor	2	0	0		2									
Warwick Tract	9:43	9:53	Fair	0	0	0											
Totals				2655	200	298	0	1481	231	280	287	154	222	0	298	200	0
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	American coot	Greater white-fronted goose	Lesser snow goose

overcast, mid-60's. Bald eagle on property. Flushed birds from A, C, G?, and I. Great blue herons on ponds B, J, N, Warwick Tract (3), and the south levee. Pied-billed grebes on ponds G, H(2), I(2), N(2), and Q(2) Hooded merganser on pond H. Ducks flushed from unit K when arrived and didn't return during survey period. Overall, visibility poor due to vegetation (many trees haven't lost leaves yet).

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stand
11/29/2007

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose
A	11:56	11:59	Excellent	87	0	0	87													
B	11:59	12:00	Fair	0	0	0														
C	12:00	12:03	Excellent	1700	0	0		340	255	85	170		850							
D	12:03	12:04	Fair	0	0	0														
E	12:04	12:05	Fair	0	0	0														
F	12:05	12:05	Fair	0	0	0														
G	13:19	13:21	Excellent	140	0	5		65	35		20		20					5		
H	13:10	13:16	Excellent	76	0	68		12	14						40		10	68		
I	12:10	12:19	Good	380	2	20		140	180		20		40					20		2
J	11:25	11:41	Good	218	1309	0		97	75		46								1300	9
K	12:20	12:34	Excellent	436	400	44		300	80	6			50					44	400	
L	11:19	11:25	Fair	80	0	0		54	17		9									
M	12:34	12:35	Fair	0	0	0														
N	11:03	11:18	Fair	365	268	0		203	25		1	1	135						268	
PP	12:48	12:49	Poor	0	0	0														
P	10:56	11:02	Good	268	0	0		248	10				10							
Q	12:49	12:54	Excellent	1000	1526	0		550	200	50			200						1500	26
R	10:53	10:56	Fair	53	0	0		40	5		8									
S	12:58	13:00	Excellent	13	0	0		4			9									
T	10:51	10:53	Good	0	0	0														
U	13:00	13:01	Good	0	0	0														
V	10:32	10:43	Fair	84	148	0		70			14								148	
W	14:09	14:09	Good	130	0	0		80					50							
X	10:30	10:32	Fair	0	0	0														
Borrow pits	10:22	10:29	Good	128	0	0		126	2											
South Levee	10:02	10:10	Poor	2	0	0		2												
Warwick Tract	9:30	9:48	Fair	2	0	0		2												
Totals				5162	3653	137	87	2333	898	141	297	1	1355	0	40	0	10	137	3616	37
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose

Clear, approximately 50 F. Flushed birds from pond K when getting into stands, estimated geese, but duck numbers probably only represent 1/4 total on pond. Vegetation too thick to accurately survey units E, G, L, R, S, T, U, W, and X. Great blue herons observed on/in the Warwick Tract (2), north borrow pit, pond J, and pond S. Pied-billed grebe on pond K. Pond J had over 60 snipe. Nutria observed in ponds J (10+), and K. A flock of approximately 10,000 snow geese was feeding in the field just west of pond C.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from tripod stands and ACOE levee
01/25/2008

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose
A	12:40	12:40	Excellent	250	0	0	250															
B	11:53	11:55	Excellent	261	0	0		125	100		36											
C	12:40	12:42	40% ice	600	10	0	600														10	
D	12:15	12:22	5% ice	329	0	20		75	100	4	150								20			
E	12:42	12:42	Not visible	0	0	0																
F	12:42	12:45	Excellent	650	0	200		350	200				100						200			
G	12:45	12:46	Excellent	400	0	0	400															
H	12:46	12:52	Excellent	450	2	100		100	300			50							100		2	
I	12:02	12:09	20% ice	350	0	0		35	17		121		173			4						
J	11:45	11:50	85% ice	402	0	0		20	8	1	132		240			1						
K	12:30	12:35	Excellent	710	0	100		300	200	8	75		125					2	100			
L	11:39	11:43	20% ice	500	0	0		350		25	25		100									
M	12:52	12:57	85% ice	500	201	0		300	25	75			100							200	1	
N	11:32	11:36	50% ice	256	0	0		175	13		13		50		5							
PP	13:02	13:04	50% ice	494	0	0		200		4	10		280									
P	11:26	11:31	40% ice	620	0	0		400	20	50	50		100									
Q	13:11	13:18	10% ice	1535	1	0		200		50	50	25	700		510						1	
R	11:21	11:25	75% ice	182	4	0		178	4											4		
S	13:18	13:22	50% ice	2040	0	0		20			20		2000									
T	11:08	11:20	Excellent	474	215	54		304	108	56	6								54	215		
U	13:23	13:23	Not visible	0	0	0																
V	11:06	11:12	100% ice	0	288	0														277	11	
W	13:28	13:30	70% ice	216	0	3		162	24				30						3			
X	11:04	11:06	95% ice	4	0	0		4														
Borrow pits	10:26	10:50	Excellent	765	0	0		713	16	8	6	2	18	2								
South Levee	13:59	14:06	Fair	20	0	0		20														
Warwick	9:53	10:15	Fair	56	0	0		42		3	7							4				
New Property	13:43	13:43	Fair	25	0	0		19			6											
Totals	9:53	14:06		12089	721	477	1250	4092	1135	284	707	77	4016	2	515	5	0	6	477	696	25	0
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose

Overcast, still, 32 F. Ice in wooded areas, some open water frozen. Other species observed include: Great blue heron - Warwick Tract (1), Pond J (1); pied-billed grebe - Warwick Tract (1); hybrid mallard - north borrow pit(1); and greater yellowlegs - Warwick Tract (4). Units with poor or limited visibility (largely due to dense vegetation) include: E, G, R, S, U, W, and X.

Coldwater River National Wildlife Refuge
Waterfowl Survey
Ground Count - from levees
02/06/2008

Pond	Start	Finish	Water Condition	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose
A	12:32	12:36	Excellent	6	0	30		2			2					2			30			
B	12:26	12:31	Excellent	53	0	42		4	39		2		2			6			42			
C	12:36	12:41	Excellent	187	0	0		2	2		35				108		40					
D	12:41	12:48	Excellent	24	0	64		2	20		2								64			
E	12:57	13:12	Excellent	58	0	98		20	2	2	34								98			
F	12:49	12:54	Excellent	72	0	153		4	60		2				2	4			153			
G	12:58	13:01	Excellent	6	0	47			6										47			
H	12:19	12:21	Excellent	8	0	80									8				80			
I	11:26	11:32	Good	116	0	13		2			75		36			3			13			
J	11:16	11:26	Good	207	0	13		11	2		168		20		4	2			13			
K	11:41	11:45	Excellent	4	0	10										4			10			
L	11:08	11:14	Excellent	53	0	112		7	27				19						112			
M	11:46	11:51	Good	18	0	6		10					8						6			
N	11:04	11:07	Good	19	0	0		6	11				2									
PP	11:51	11:55	Excellent	28	8	0		18					10									8
P	11:01	11:03	Excellent	6	0	0		6														
Q	11:55	11:58	Excellent	10	0	0		2							3	5						
R	10:58	11:00	Excellent	0	0	0																
S	11:59	12:02	Excellent	4	0	0							4									
T	10:48	10:56	Excellent	19	0	25				2	2				15				25			
U	12:05	12:07	Excellent	0	0	0																
V	10:35	10:46	Good	158	1	0		62			35		61								1	
W	12:08	12:12	Excellent	11	0	7		4			7								7			
X	10:33	10:35	Good	2	0	0		2														
Borrow pits	10:23	10:31	Good	2	0	0		2														
South Levee	13:48	13:59	Good	236	0	0		187		37			12									
Warwick	9:47	10:00	Fair	24	0	0		24														
New Property	13:16	13:37	Fair	497	0	0	200	31	25	10	6		225									
Totals	9:47	13:59		1828	9	700	200	408	194	51	370	0	399	0	140	26	40	0	700	0	1	8
				Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveller	American wigeon	Am. green-wing teal	Wood duck	Scaup/ ringneck duck	Bufflehead	Ruddy duck	Hooded Merganser	American coot	Greater white-fronted goose	Lesser snow goose	Canada goose

Overcast,windy, approx. 50 F, temperature dropped to 45 F during survey but warmed back to 50 F by end. Rained last night. Other species observed include: canvasback - pond N (1); great blue heron - Warwick (3), New Property (1); pied-billed grebe - Warwick (1), pond A (4), pond D (1). New property backfilling from ditch, some milo flooded. Survey conducted from vehicle - stands not used. Low numbers may be a reflection of increased water availability on other properties, coupled with the end of hunting season. Additionally, fresh tracks were seen going onto the I-K cross levee. May have disturbed the ducks prior to the survey.