

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle
 10/22/2010

entered

Pond	Start	Finish	Water Condition	Vegetation (1-sparse, 2-medium, 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	American coot	Greater white-fronted goose	Lesser snow goose
A	10:45	10:51	excellent	1	8	0	0		6					2									
B	10:41	10:45	excellent	3	11	0	0		11														
C	10:52	11:04	excellent	2	308	70	6		45	50	1	2		210							6	70	
D	12:15	12:15	excellent	3	0	0	0																
E	11:04	11:04	excellent	3	0	0	0																
F	12:10	12:14	excellent	2	9	0	0				6	2			1								
G	11:06	11:12	excellent	3	15	0	0			8													
H	11:12	12:09	good	1	734	0	41		40	184	10	5	20	475			1				41		
I	8:56	8:56	dry	3	0	0	0																
J	10:17	10:20	dry	3	0	0	0																
K	9:13	9:20	dry	2	0	0	0																
L	10:15	10:17	dry	3	0	0	0																
M	9:21	9:21	dry	3	0	0	0																
N	9:22	9:24	dry	2	0	0	0																
PP	9:27	9:39	fair	1	4	0	0		4														
P	10:12	10:13	dry	2	0	0	0																
Q	9:39	9:39	dry	3	0	0	0																
R	10:08	10:12	poor	3	0	0	0																
S	9:43	9:46	excellent	3	4	0	0			4													
T	10:03	10:08	poor	3	0	0	0																
U	9:53	9:53	dry	3	0	0	0																
V	9:59	10:02	dry	2	0	0	0																
W	9:55	9:57	dry	3	0	0	0																
X	9:58	9:58	dry	3	0	0	0																
Borrow pits	8:42	8:47	fair	1	0	0	0																
South Levee	not surveyed				0	0	0																
Warwick Tract	8:23	8:35	fair	1	1	0	0			1													
Total on Ponds					1093	70	47																
Totals					1094	70	47	0	106	247	17	15	20	687	1	0	1	0	0	0	47	70	0
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	American coot	Greater white-fronted goose	Lesser snow goose

Coldwater River National Wildlife Refuge
Waterbird Survey
Ground Count - from vehicle
10/22/2010

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk
A	10:45	10:51	excellent	1	1		1							54	1	1
B	10:41	10:45	excellent	3												
C	10:52	11:04	excellent	2												
D	12:15	12:15	excellent	3												
E	11:04	11:04	excellent	3												
F	12:10	12:14	excellent	2			1									
G	11:06	11:12	excellent	3												
H	11:12	12:09	good	1				9	38	54			1	17		
I	8:56	8:56	dry	3											1	
J	10:17	10:20	dry	3												
K	9:13	9:20	dry	2				29								
L	10:15	10:17	dry	3												
M	9:21	9:21	dry	3												
N	9:22	9:24	dry	2				3								
PP	9:27	9:39	fair	1		3		14	1		7					
P	10:12	10:13	dry	2												
Q	9:39	9:39	dry	3												
R	10:08	10:12	poor	3			1									
S	9:43	9:46	excellent	3												
T	10:03	10:08	poor	3												
U	9:53	9:53	dry	3												
V	9:59	10:02	dry	2												
W	9:55	9:57	dry	3												
X	9:58	9:58	dry	3												
Borrow pits	8:42	8:47	fair	1			7									
South Levee	not surveyed															
Warwick Tract	8:23	8:35	fair	1	2											
Total on Ponds																
Totals					3	11	2	55	39	54	7	0	1	71	2	1
					Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle

1/20/11

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)
A	11:31	11:35	Excellent	1
B	11:27	11:31	Excellent	3
C	11:36	11:45	Excellent	1
D	11:22	11:27	Fair	3
E	11:49	11:50	Good	3
F	11:08	11:20	Excellent	1
G	11:50	11:53	Excellent	3
H	10:55	11:05	Excellent	1
I	9:54	10:03	Excellent	3
J	9:51	9:53	Fair	3
K	10:03	10:12	Excellent	1
L	9:39	9:45	Good	2
M	10:13	10:14	Dry	3
N	9:33	9:39	Fair	2
PP	10:14	10:20	Excellent	2
P	9:22	9:32	Good	2
Q	10:20	10:26	Excellent	1
R	9:19	9:22	Good	3
S	10:26	10:33	Excellent	2
T	9:12	9:18	Good	2
U	10:33	10:38	Excellent	3
V	8:58	9:11	Excellent	1
W	10:36	10:48	Excellent	2
X	8:59	8:57	Good	3
Borrow pits	8:47	8:54	Good	1
Farm fields	12:04	12:04	Poor	1
Warwick Tract	8:14	8:34	Poor	1
Total on Ponds				
Totals				

Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk	Red-shoulder hawk	American kestrel	Belted kingfisher	Bald eagle
1															
											2				
														1	
1										1					
										1		1			
										1					
										1					
										1					
1															
												2			
1												1			
4				1											
													3		
6	0	0	0	0	0	0	0	0	0	7	8	0	1	0	0
11	0	0	1	0	0	0	0	0	0	7	8	3	1	0	0

Cool, approx 40 F, overcast with light mist

entered

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle

1/20/11

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Am. Black duck	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	
A	11:31	11:35	Excellent	1	51	1	0		21				8	18			2				2					1	
B	11:27	11:31	Excellent	3	124	0	0		51				73													22	1
C	11:36	11:45	Excellent	1	755	23	6		75	29	12	44	2	569			25							6			
D	11:22	11:27	Fair	3	38	0	0		30				4														
E	11:49	11:50	Good	3	10	0	0		10																		
F	11:08	11:20	Excellent	1	524	0	9		24	14	4	1		460			1						9				
G	11:50	11:53	Excellent	3	53	0	0		14	2			37									2					
H	10:55	11:05	Excellent	1	524	0	0		61	6	15	22		419		1							2				
I	9:54	10:03	Excellent	3	64	0	2		51			9		4													
J	9:51	9:53	Fair	3	68	0	0		68																	41	
K	10:03	10:12	Excellent	1	240	41	9		60	29	19	41	2	78			3				3	5		9			
L	9:39	9:45	Good	2	93	0	0		41				23	29													
M	10:13	10:14	Dry	3	0	0	0							26													
N	9:33	9:39	Fair	2	158	0	0		127		6																
PP	10:14	10:20	Excellent	2	286	0	0		284	2														1			
P	9:22	9:32	Good	2	250	0	1		81	36		30		103													
Q	10:20	10:26	Excellent	1	308	0	0		140			45		123													
R	9:19	9:22	Good	3	46	0	0		46																	3	
S	10:26	10:33	Excellent	2	442	0	0		188	2				22												2	
T	9:12	9:18	Good	2	138	3	0		73				14	8	38												
U	10:33	10:36	Excellent	3	46	0	0		35				11														
V	8:56	9:11	Excellent	1	273	2	0		145	10	16	24	10	66								102					
W	10:36	10:48	Excellent	2	825	0	0		6				17	700													
X	8:56	8:57	Good	3	0	0	0																				
Borrow pits	8:47	8:54	Good	1	98	0	0		98	1		1															
Farm fields	12:04	12:04	Poor	1	0	0	0								2												
Warwick Tract	8:14	8:34	Poor	1	6	0	0		3										1				3				
Total on Ponds					5298		70	27	0	1710	130	74	426	22	2899	0	1	31	0	0	5	107	2	27	0	68	2
Totals					5402		70	27	0	1713	131	74	426	22	2891	0	1	31	1	0	5	107	5	27	0	68	2
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Am. Black duck	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	



Cool, approx. 40 F, overcast with light mist

entered

Coldwater River National Wildlife Refuge
Waterbird Survey
Ground Count - from vehicle

1/6/2011

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose
A	12-23	12-32	Excellent	1	226	1	12		47	41			57	77		2				2		12			1
B	12-19	12-23	Excellent	3	89	0	0		69				16	4											
C	12-35	12-42	Excellent	1	1451	0	0		110	20			16	4	1300	1									
D	12-18	12-19	Fair	3	50	0	0		50																
E	12-43	12-44	Excellent	3	0	0	0																		
F	10-46	11-09	Excellent	1	675	0	0		45	48	2		4	570		2				SC	4				
G	12-44	12-50	Excellent	3	74	0	3		17					37	20							3			
H	11-58	12-13	Excellent	1	1122	0	0		30	20	19	39	4	1010											
I	10-27	10-31	Excellent	3	85	0	3		32	2			33	18								3			
J	10-23	10-25	Fair	3	0	0	0																		
K	10-31	10-48	Excellent	1	357	6	3		52	100	54	31	111							1 SC	8	3		6	
L	10-15	10-19	Excellent	2	43	0	0		17				20	6											
M	11-13	11-14	Dry	3	0	0	0																		
N	10-02	10-11	Good	2	216	181	0		192	16			8												
PP	11-14	11-21	Excellent	2	523	128	0		467				4	52										160	1
P	9-50	10-02	Excellent	2	153	18	0		40	14	2	30		67										126	
Q	11-21	11-30	Excellent	1	343	8	1		190	6	6	24		117								1		16	
R	9-45	9-50	Good	3	55	0	0		43	8		4												8	
S	11-30	11-39	Excellent	2	899	194	0		379		20			500										192	2
T	9-40	9-45	Excellent	2	27	0	5		11	1		15										5			
U	11-39	11-43	Excellent	3	116	13	0		90		20	1		5										13	
V	9-29	9-38	Excellent	1	149	0	0		32	25	13	70		9											
W	11-43	11-50	Excellent	3	1544	0	0		16			6		1500						2N	22				
X	9-25	9-26	Good	3	0	0	0																		
Borrow pits	9-17	9-24	Good	1	20	0	0		12	7				1											
South Levee					0	0	0																		
Warwick Tract	8-44	9-07	Fair	1	127	0	0		8			5		114								4			
Total on Ponds					8197	545	27	0	1941	301	136	407	127	5256	0	5	0	0	1	36	0	27	0	541	4
Totals					8344	545	27	0	1949	308	136	412	127	5370	0	5	0	0	1	36	4	27		541	4
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose

Mid-winter count. 40 F, clear and sunny

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle
 12/28/2010

underlined

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	
A	11:38	11:50	90% ice	1	383	20	189		338	25	2	16		4								189		20		
B	11:33	11:38	85% ice	3	87	0	0		85			2														
C	11:50	12:08	50% ice	1	2051	1145	18	50	300		450	200		1050		1						18		1125	20	
D	10:21	10:23	90% ice	3	150	0	0		150																	
E	12:08	12:08	10% ice	3	2000	0	0		2000																	
F	10:13	10:20	90% ice	1	458	0	0		250	4	4	10		200												
G	12:08	12:10	10% ice	3	1510	0	0		1000					500			10									
H	11:14	11:23	70% ice	1	1380	11	0		300	120	114	150	4	700						2				10	1	
I	10:08	10:13	70% ice	3	385	0	0		300	35		20		10												
J	9:59	10:05	100% ice	3	0	0	0																			
K	9:49	9:56	95% ice	1	350	6	0		100	150	25	40		35												
L	9:34	9:49	50% ice	2	1174	1000	0		500	150	180	40	4	300											6	
M	10:28	10:29	100% ice	3	0	0	0																			1000
N	9:32	9:33	100% ice	2	0	0	0																			
PP	10:31	10:37	60% ice	2	848	44	0		830		2			14			2								44	
P	9:28	9:32	100% ice	2	0	0	0																			
Q	10:39	10:53	60% ice	1	2148	475	0	1000	900	10	62	56		120											470	5
R	9:26	9:28	100% ice	3	0	0	0																			
S	10:55	10:56	100% ice	2	0	0	0																			
T	9:08	9:26	50% ice	2	694	6	10		500		66	20	36	70			2						10		2	4
U	10:57	11:00	100% ice	3	0	0	0																			
V	9:06	9:08	100% ice	1	7	0	0		7																	
W	11:00	11:05	60% ice	3	1516	0	2		200		2	14		1300									2			
X	9:04	9:06	100% ice	3	0	0	0																			
Borrow pits	8:58	9:02	100% ice	1	0	0	0																			
South Levee					0	0	0																			
Warwick Tract	8:17	8:45	95% ice	1	735	0	0		22	19		258		420												
Total on Ponds					15141	2707	199	1050	7758	494	907	566	44	4303	0	1	14	0	2	0	0	199	0	1877	1030	
Totals					15876	2707	199	1050	7780	513	907	826	44	4723	0	1	14	0	2	16	0	199	0	1877	1030	
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	

Clear and cold, ice, 30 F. Heavy clouds moving in. Visibility poor on Warwick, but large number of birds present where water was open (primarily on smaller areas surrounded by dense forest). Probably undercounted.

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Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle and tripod stand
 12/14/2010

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted geese
A	11:45	11:49	95% ice	1	21	0	20		13	2			5		1							20		
B	11:41	11:44	95% ice	3	2	0	0						1					1						
C	11:32	11:34	90% ice	1	2	1	0									2								
D	11:19	11:26	75% ice	3	250	0	7		250													7		
E	12:20	12:21	100% ice	3	0	0	0																	
F	11:16	11:17	100% ice	1	0	0	0																	
G	12:19	12:22	40% ice	3	971	0	0		260						705			6						
H	10:58	11:16	80% ice	1	1272	2	0		518	75	98		25	4	553	1								
I	9:56	10:01	85% ice	3	512	0	30		250		9		100		153							30		
J	9:45	9:50	100% ice	3	0	0	0																	
K	10:01	10:20	95% ice	1	332	264	4		150	122	8	34	2	16								4		252
L	9:33	9:42	80% ice	2	1000	0	6		734		66				200								6	
M	10:24	10:25	100% ice	3	0	0	0																	
N	9:32	9:33	100% ice	2	0	0	0																	
PP	10:25	10:27	100% ice	2	0	0	0																	
P	9:30	9:31	100% ice	2	0	0	0																	
Q	10:28	10:30	100% ice	2	0	0	0																	
R	9:29	9:30	100% ice	3	0	0	0																	
S	10:30	10:32	100% ice	2	0	0	0																6	
T	8:17	9:28	75% ice	2	366	1	6		300	22	34		8	2										1
U	10:38	10:40	100% ice	3	0	0	0																	
V	10:14	10:16	100% ice	1	0	0	0																	
W	10:43	10:53	40% ice	3	4040	297	0		1500				40		2500									297
X	9:13	9:14	100% ice	2	0	0	0																	
Borrow pits	9:08	9:11	100% ice	1	0	0	0																	
South Levee					0	0	0																	
Warwick Tract	8:12	8:52	80% ice	2	593	0	0		299	70	49	79	14	86							16			
Total on Ponds					8768	565	73	0	3975	230	204	205	14	4130	0	3	7	0	0	0	0	73	0	550
Totals					9361	565	73	0	4274	300	253	284	28	4195	0	3	7	0	0	16	0	73	0	550
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted geese

Overcast, cold, ice, 34 F. Did not want to flush birds, so likely units G, L, and T are undercounted. Visibility poor on Warwick, but large number of birds present where water was open (primarily on smaller areas surrounded by dense forest). Probably undercounted.

Coldwater River National Wildlife Refuge
Waterbird Survey
Ground Count - from vehicle
11/29/2010

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk	American kestrel	Belted kingfisher	Bald eagle
A	11:14	11:20	Good	1															
B	11:10	11:14	Excellent	3												1			
C	11:20	11:33	Excellent	1															
D	11:09	11:10	Poor	3															
E	11:33	11:34	Excellent	3															
F	9:45	9:51	Good	2											1				
G	11:34	11:47	Excellent	3															
H	10:00	10:18	Excellent	1	1												1		
I	9:31	9:35	Excellent	3			1												
J	9:29	9:30	Poor	3											1				
K	9:35	9:43	Excellent	1															
L	9:11	9:23	Excellent	3															
M	10:20	10:21	Dry	3											2				
N	9:07	9:09	Poor	3															
PP	10:21	10:26	Good	2	1														
P	9:04	9:07	Poor	2											1	1			
Q	10:26	10:30	Excellent	2															
R	9:02	9:04	Fair	3															
S	10:35	10:38	Excellent						3										
T	8:56	9:02	Good	3															
U	10:39	10:41	Excellent	3															
V	8:44	8:56	Excellent	2															1
W	10:41	10:45	Excellent	3															
X	8:43	8:44	Good	3															1
Borrow pits	8:34	8:41	Good	1															
South Levee																		2	
Warwick Tract	8:08	8:22	Poor	2	3	1													
Total on Ponds																			
Totals					5	1	1	0	3	0	0	0	0	0	5	3	0	2	2
					Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk	American kestrel	Belted kingfisher	Bald eagle

Mild and breezy, scattered clouds, 56 F. Shower blew through at 10:30 a.m. More to come.

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle
 11/29/2010

Entered

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ ring-necked duck	Hooded merganser	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose
A	11.14	11.20	Good	1	167	0	37		26	2		137													
B	11.10	11.14	Excellent	3	0	0	0																37		
C	11.20	11.33	Excellent	1	1555	0	0		300	50	100	100	15	975							15				
D	11.09	11.10	Poor	3	0	0	0																		
E	11.33	11.34	Excellent	3	0	0	0																		
F	9.45	9.51	Good	2	194	0	2		56	35		94													
G	11.34	11.47	Excellent	3	187	0	1		183			4								7	2		2		
H	10.00	10.18	Excellent	1	1235	0	0		70	100	26	30		1000		9							1		
I	9.31	9.35	Excellent	3	139	0	1		122	7		10											1		
J	9.29	9.30	Poor	3	0	0	0																		
K	9.35	9.43	Excellent	1	161	0	6		12	139		10											6		
L	9.11	9.23	Excellent	3	524	0	0		150	50	20	54		250											
M	10.20	10.21	Dry	3	0	0	0																		
N	9.07	9.09	Poor	3	0	0	0																		
PP	10.21	10.26	Good	2	550	0	0		500					50											
P	9.04	9.07	Poor	2	0	0	0																		
Q	10.26	10.30	Excellent	2	800	200	0		700		100														
R	9.02	9.04	Fair	3	3	0	0		3															200	
S	10.35	10.38	Excellent	2	445	0	0		250	150		25		20											
T	8.56	9.02	Good	3	251	0	0		250																
U	10.39	10.41	Excellent	3	128	0	0		128																
V	8.44	8.58	Excellent	2	465	0	0		200	100	20	10	5	130											
W	10.41	10.45	Excellent	3	1300	0	0		500					800											
X	8.43	8.44	Good	3	0	0	0																		
Borrow pits	8.34	8.41	Good	1	74	0	0		56	17				1											
South Levee					0	0	0																3		
Warwick Tract	8.08	8.22	Poor	2	0	0	0																4		
Total on Ponds					8104	200	47																		
Totals					8178	200	47	0	3508	650	266	474	20	3227	0	9	0	0	0	7	17	7	47	200	0
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ ring-necked duck		American coot	Canada goose	Greater white-fronted goose	Lesser snow goose

B-SSHA 1

Mild and breezy, scattered clouds, 56 F. Shower blew through at 10:30 a.m. More to come.

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle
 11/20/2010

Point	Start	Finish	Water Condition	Vegetation (Low/med/high)	Red-tailed Hawk	American Osprey	Belted Kingfisher	Red-bellied Woodpecker	Downy Woodpecker	Eastern Phoebe	Red-winged Blackbird	Eastern Meadowlark	Carolina Wren	House Wren	Cardinal	Cooper's Crow	Eastern Bluebird	Carolina Chickadee	Swamp Sparrow	Song Sparrow	White-throated Sparrow	White-crowned Sparrow	Savannah Sparrow	Field Sparrow	Eastern Towhee	Ruby-crowned Kinglet	Northern Flicker	American Goldfinch	Yellow-rumped Warbler	Orange-crowned Warbler	Common Yellowthroat	Tufted Titmouse			
A	11:10	11:20	excellent	3							63																								
B	11:03	11:10	excellent	3																															
C	11:26	11:41	excellent	3																															
D	10:58	11:03	good	3																															
E	11:41	11:45	excellent	3																															
F	12:10	12:12	excellent	3																															
G	11:48	11:50	excellent	3						1								1								1							2		
H	11:55	12:10	excellent	3																															
I	9:23	9:30	excellent	3	1				1			1						3	2	2	1	1			2	2			3	1	1		2		
J	9:00	9:10	excellent	3						1																									
K	9:35	9:45	excellent	3		1	1																												
L	8:48	9:00	fair	2				1				1							2	1															
M	9:55	10:10	good	3						1																									
N	8:41	8:48	excellent	3																															
OP	10:01	10:05	good	2			1																												
P	9:39	9:41	good	3																															
Q	10:56	10:57	good	3																															
R	8:28	8:30	excellent	3													1	1	1																
S	10:07	10:12	good	3																															
T	8:18	8:28	good	3																															
U	10:13	10:20	excellent	3	1																														
V	8:05	8:18	excellent	2						1		20																							
W	10:20	10:40	excellent	3																															
X	8:00	8:00	fair	2				1	1																										
Y	7:50	8:00	good	1																															
South Lake Wetland Tract																																			
Total on Pond					2	1	2	2	4	5	68	8	1	1	2	6	1	1	10	7	8	2	2	1	3	3	3	1	7	2	2	1	4		
Totals					2	1	2	2	4	5	68	8	1	1	2	6	1	1	10	7	8	2	2	1	3	3	3	1	7	2	2	1	4		

Bunny and clear, approximately 65 F. Survey conducted for

Coldwater River National Wildlife Refuge
Waterbird Survey
Ground Count - from vehicle
11/10/2010

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk	American kestrel	Belted kingfisher
A	11:09	11:15	excellent	1													2	
B	11:06	11:09	excellent	3											1	1		
C	11:15	11:49	excellent	1														
D	11:03	11:05	poor	3														
E	11:51	11:52	excellent	3														
F	9:56	10:05	excellent	1			1											
G	11:52	11:54	excellent	3														
H	10:14	10:22	excellent	1	1		2											
I	9:42	9:49	excellent	3													1	
J	9:37	9:42	poor	3														
K	9:49	10:04	excellent	1	1		1											1
L	9:09	9:30	excellent	3											1			
M	10:22	10:24	dry	3														
N	9:07	9:09	fair	2	1			2							1			
PP	10:24	10:31	good	2	1	1									1			
P	9:04	9:07	fair	2														
Q	10:31	10:35	excellent	3											2			
R	9:02	9:04	fair	2	1													
S	10:35	10:39	excellent	3	1													
T	9:00	9:02	good	3														
U	10:39	10:41	excellent	3														
V	8:56	9:00	excellent	2														
W	10:41	10:52	excellent	3	1													
X	8:55	8:55	fair	2														
Borrow pits	8:42	8:52	good	1	2													
South Levee	not surveyed																	
Warwick Tract	8:01	8:22	poor	2	1			1										1
Total on Ponds																		
Totals					10	1	4	3	0	0	0	0	0	0	6	4	1	1
					Great blue heron	Great Egret	Pied-billed grebe	Killdeer	Snipe	Least sandpiper	Greater yellowlegs	Yellowlegs spp.	American avocet	Dowitcher (sp.)	Northern Harrier	Red-tailed Hawk	American kestrel	Belted kingfisher

Sunny and clear, approximately 45 F. Survey conducted from ACOE levee and pond levees. Most trees still with leaves so visibility from ACOE levee is limited.

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle
 11/10/2010

intended

Pond	Start	Finish	Water Condition	Vegetation (1-sparse; 2-medium; 3-dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	
A	11:09	11:15	excellent	1	1173	0	53		352	40		101		680							53				
B	11:06	11:09	excellent	3	0	0	0																		
C	11:15	11:49	excellent	1	999	1602	150		48	60	30			820			3	8		30	150		1500	102	
D	11:03	11:05	poor	3	0	0	0																		
E	11:51	11:52	excellent	3	0	0	0																		
F	9:56	10:05	excellent	1	8	0	13					8										13			
G	11:52	11:54	excellent	3	18	0	0		2			16													
H	10:14	10:22	excellent	1	135	0	0			44		21		56		14									
I	9:42	9:49	excellent	3	124	0	0		89	10							25								
J	9:37	9:42	poor	3	0	0	0																		
K	9:49	10:04	excellent	1	65	0	12		13			52										12			
L	9:09	9:30	excellent	3	163	28	0		53	14	12	2	4	67						11			28		
M	10:22	10:24	dry	3	0	0	0																		
N	9:07	9:09	fair	2	0	0	0																		
PP	10:24	10:31	good	2	178	0	0		178																
P	9:04	9:07	fair	2	0	0	0																		
Q	10:31	10:35	excellent	3	0	0	0																		
R	9:02	9:04	fair	2	0	0	0																		
S	10:35	10:39	excellent	3	16	0	18					16										18			
T	9:00	9:02	good	3	0	0	3															3			
U	10:39	10:41	excellent	3	0	0	0																		
V	8:56	9:00	excellent	2	8	0	0		5	1		2													
W	10:41	10:52	excellent	3	420	0	0		402					13			5								
X	8:55	8:55	fair	2	0	0	0																		
Borrow pits	8:42	8:52	good	1	203	0	0		26	175	1					1									
South Levee	not surveyed				0	0	0																		
Warwick Tract	8:01	8:22	poor	2	1	0	0		1																
Total on Ponds					3307	1630	249																		
Totals					3511	1630	249	0	1169	344	43	218	4	1636	1	14	33	8	0	41	249		1528	102	
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	

Sunny and clear, approximately 45 F. Survey conducted from ACOE levee and pond levees. Most trees still with leaves so visibility from ACOE levee is limited.

Coldwater River National Wildlife Refuge
 Waterbird Survey
 Ground Count - from vehicle and tripod stand
 11/01/2010

in field

Pond	Start	Finish	Water Condition	Vegetation (1- sparse; 2- medium; 3- dense)	Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	American coot	Canada goose	Greater white-fronted goose	Lesser snow goose	
A	11:30	11:36	excellent	1	41	88	20		10	20											20	88			
B	11:26	11:30	good	3	331	0	0		312	17	2														
C	11:38	12:00	excellent	1	1304	193	300		350	500	20	50	150	200				4			30	300		193	
D	9:42	9:43	fair	3	0	0	0																		
E	12:01	12:02	good	3	0	0	0																		
F	9:25	9:35	excellent	2	18	0	20		1			17										20			
G	12:02	12:04	good	3	6	0	0							6											
H	9:37	9:41	excellent	1	18	0	0		1			17													
I	9:13	9:15	dry	3	0	0	0																		
J	9:12	9:13	poor	3	0	0	0																		
K	9:16	9:25	excellent	1	97	0	0		32	48	6	10							1						
L	11:18	11:20	fair	3	0	0	0																		
M	9:56	9:58	dry	3	0	0	0																		
N	11:16	11:18	dry	2	0	0	0																		
PP	9:58	10:02	fair	2	0	0	0																		
P	11:14	11:16	dry	3	0	0	0																		
Q	10:02	10:05	good	3	3	0	0		3																
R	11:12	11:14	poor	3	0	0	0																		
S	10:20	10:34	excellent	3	1530	0	0		800	98	26	2	1	600	1		2								
T	11:11	11:12	fair	3	0	0	0																		
U	10:51	10:53	good	3	0	0	0																		
V	10:57	11:07	excellent	2	224	0	0		125	58		12	4	25											
W	10:52	10:54	dry	3	0	0	0																		
X	10:54	10:56	dry	3	0	0	0																		
Borrow pits	8:46	8:53	fair	1	82	0	0		1	81															
South Levee	not surveyed				0	0	0																		
Warwick Tract	8:14	8:34	poor	2	2	0	0		2																
Total on Ponds						3572	281	340																	
Totals						3656	281	340	0	1637	822	54	119	155	831	1	0	2	5	0	30	340		193	0
					Total ducks	Total geese	Total coots	Unknown ducks	Mallards	Gadwall	Northern pintail	Northern shoveler	American wigeon	Am. Green-winged Teal	Blue-winged Teal	Ruddy duck	Wood duck	Canvas-back	Bufflehead	Scaup/ring-necked duck	American coot		Greater white-fronted goose	Lesser snow goose	

*↑
ENDU*

Overcast, approximately 50 F. Survey conducted from tripod stand, ACOE levee and pond levees. Most trees still with leaves so visibility from ACOE levee is limited.