

**Upper Mississippi River National Wildlife & Fish Refuge - Waterfowl Aerial Surveys**

DATE(S)  
October 22, 2013

PILOT  
B. Lubinski (USFWS)

OBSERVERS  
S. Houdek (USGS), B. Stemper (USFWS)

WEATHER  
30-40 degrees, Partly Cloudy, NW winds @ 3-5 mph

NOTES  
Pools 4-7  
Pools 8-11  
Pools 12-14

**TABLE 1. SURVEY OF ALL AREAS**

SPECIES	POOL 4 RIECK'S LAKE CLOSED	Pool 4 Peterson Closed	POOL 4 Big Lake CLOSED	POOL 4 NELSON TREVING	POOL 4 OPEN	POOL 5 SPRING LAKE CLOSED	POOL 5 CLOSED	POOL 5 OPEN	POOL 5A CLOSED	POOL 5A OPEN	POOL 6 TREM. NWR	POOL 7 ONALASKA CLOSED	POOL 7 OPEN	POOL 8 WISC. ISLANDS CLOSED	POOL 8 OPEN	POOL 8 BLUE/TAR OPEN	POOL 8 GOOSE ISL. CLOSED	POOL 9 HARPERS CLOSED	POOL 9 POOL SLOUGH SANCTUARY	POOL 9 BIG LAKE	POOL 9 RUSH CR	POOL 9 SUGAR CR	
SWANS			55									5	105										
CANADA GEESE	65	75	670		15		750	20	15		420	1,715											
OTHER GEESE																							
MALLARD	95	60	3,010	10	5	25	1,310	125	680		720	3,015											
BLACK DUCK			30				30		5		5	35											
PINTAIL		5			5		125	25	35		10	625											
GADWALL	45	35	3,915		20		1,525	10	450		995	4,755											
WIGEON	10		510				360		230		180	2,085											
N. SHOVELER			25				15		10		45	125											
BLUE-WINGED TEAL																							
GREEN-WINGED TEAL	15		340	10			20	15	80		15	180											
WOOD DUCK			10	20	5		10	15			25	25											
REDHEAD																							
CANVASBACK			12,600				2,220				330	21,335											
RINGNECK			4,500		50		550	45	200		820	7,150											
SCAUP			100				50		10		20	100											
C. GOLDFEYER																							
BUFFLEHEAD												5											
MERGANSE (Hooded)																							
RUDDY DUCK			20								320												
<b>DUCKS, GEESE &amp; SWAN TOTALS</b>	<b>235</b>	<b>170</b>	<b>25,785</b>	<b>40</b>	<b>100</b>	<b>25</b>	<b>6,965</b>	<b>255</b>	<b>1,715</b>	<b>0</b>	<b>3,910</b>	<b>41,255</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PUDDLE DUCKS</b>	<b>170</b>	<b>95</b>	<b>7,840</b>	<b>40</b>	<b>35</b>	<b>25</b>	<b>3,395</b>	<b>190</b>	<b>1,490</b>	<b>0</b>	<b>1,995</b>	<b>10,845</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DIVING DUCKS</b>	<b>0</b>	<b>0</b>	<b>17,220</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>2,820</b>	<b>45</b>	<b>210</b>	<b>0</b>	<b>1,490</b>	<b>28,590</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>OTHER SPECIES</b>																							
GREAT BLUE HERON			1				1				1												
GREAT EGRET																							
BALD EAGLE		3			2		1				1	3											
COOT			3,285		820	300	1,795	3,635			1,470	9,600											
WHITE PELICAN		68	40		8		55	99			134	51											
CORMORANT		3			1						135												

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NOTES Pools 4-7 Pools 8-11 Pools 12-14

TABLE 1(continued). SURVEY OF ALL AREAS

SPECIES	POOL 10 OPEN	POOL 10 12 MILE ISL CLOSED	POOL 10 STURGEON	POOL 10 WISC RIVER PRE-NOV1	POOL 10 WISC RIVER POST-NOV1	POOL 11 BIG POND/12 MILE ISL CLOSED	POOL 11 HAY MEADOW CLOSED	POOL 11 BERT-MC CLOSED	POOL 11 SNYDER	POOL 11 POTOSI	POOL 11 JOHN DEERE CLOSED	POOL 11 O'LEARY	POOL 12 KEHOUGH CLOSED	POOL 12 DEADMAN	POOL 12 GALENA	POOL 12 WISE LAKE	POOL 13 LOST MOUND	POOL 13 PLEASANT CREEK	POOL 13 GREEN ISLAND	POOL 13 SPRING LK UPPER	POOL 13 SPRING LK LOWER	POOL 13 ELK RIVER	POOL 13 LOWER POOL	POOL 14 BEAVER ISLAND	TOTAL	
SWANS																									165	
CANADA GEESE																										3,745
OTHER GEESE																										0
MALLARD																										9,055
BLACKDUCK																										105
PINTAIL																										830
GADWALL																										11,750
WIGEON																										3,375
N. SHOVELER																										220
BLUE-WINGED TEAL																										0
GREEN-WINGED TEAL																										675
WOODDUCK																										110
REDHEAD																										0
CANVASBACK																										36,485
RINGNECK																										13,315
SCAUP																										280
C. GOLDENEYE																										0
BUFFLEHEAD																										5
MERGANSE (Hooded)																										0
RUDDY DUCK																										340
<b>DUCKS, GEESE &amp; SWAN TOTALS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,455</b>	
<b>PUDLE DUCKS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,120</b>	
<b>DIVING DUCKS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,425</b>	
<b>OTHER SPECIES</b>																										
GREAT BLUE HERON																										3
GREAT EGRET																										0
BALD EAGLE																										10
COOT																										20,905
W. PELICAN																										455
CORMORANT																										139

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 NOTES: Pools 4-7, Pools 8-11, Pools 12-14

TABLE 2. OPEN/CLOSED AREA SUMMARY.

	POOL 4 CLOSED	POOL 4 OPEN	POOL 5 CLOSED	POOL 5 OPEN	POOL 5A CLOSED	POOL 5A OPEN	POOL 6 TREMP	POOL 7 CLOSED	POOL 7 OPEN	POOL 8 CLOSED	POOL 8 OPEN	POOL 9 CLOSED	POOL 9 OPEN	POOL 10 CLOSED	POOL 10 OPEN	POOL 11 CLOSED	POOL 11 OPEN	POOL 12 CLOSED	POOL 12 OPEN	POOL 13 CLOSED	POOL 13 OPEN	POOL 14 CLOSED	TOTALS
SWANS	55	0	0	0	0	0	5	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	165
CANADA GEESE	810	15	750	20	15	0	420	1,715	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,745
OTHER GEESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALLARD	3,165	15	1,335	125	680	0	720	3,015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,055
BLACKDUCK	30	0	30	0	5	0	5	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105
PINTAIL	5	5	125	25	35	0	10	625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	830
GADWALL	3,995	20	1,525	10	450	0	995	4,755	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,750
WIGEON	520	0	360	0	230	0	180	2,085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,375
N. SHOVELER	25	0	15	0	10	0	45	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	220
BLUE-WINGED TEAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GREEN-WINGED TEAL	355	10	20	15	80	0	15	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	675
WOODDUCK	10	25	10	15	0	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
REDHEAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANVASBACK	12,600	0	2,220	0	0	0	330	21,335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36,485
RINGNECK	4,500	50	550	45	200	0	820	7,150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,315
SCAUP	100	0	50	0	10	0	20	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	280
C. GOLDFENY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUFFLEHEAD	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MERGANSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUDDY DUCK	20	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340
<b>DUCKS, GEESE &amp; SWAN TOTALS</b>	<b>26,190</b>	<b>140</b>	<b>6,990</b>	<b>255</b>	<b>1,715</b>	<b>0</b>	<b>3,910</b>	<b>41,255</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,455</b>
<b>PUDDLE DUCKS</b>	<b>8,105</b>	<b>75</b>	<b>3,420</b>	<b>190</b>	<b>1,490</b>	<b>0</b>	<b>1,995</b>	<b>10,845</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,120</b>
<b>DIVING DUCKS</b>	<b>17,220</b>	<b>50</b>	<b>2,820</b>	<b>45</b>	<b>210</b>	<b>0</b>	<b>1,490</b>	<b>28,590</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,425</b>

OTHER SPECIES

GREAT BLUE HERON	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
GREAT EGRET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BALD EAGLE	3	2	1	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
COOT	3,285	820	2,095	3,635	0	0	1,470	9,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,905
W. PELICAN	108	8	55	99	0	0	134	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	455
CORMORANT	3	1	0	0	0	0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	139