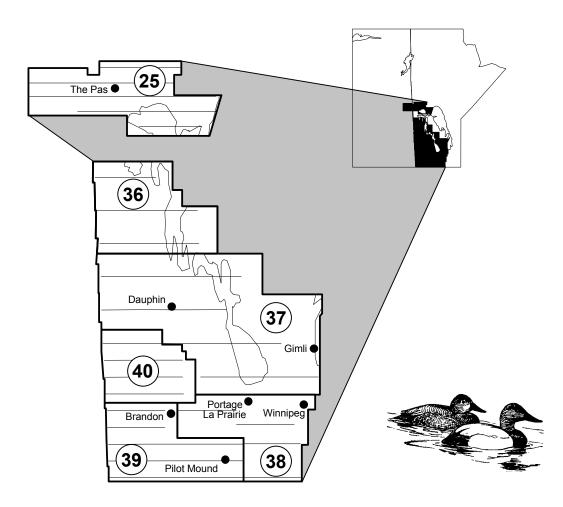
## **Waterfowl Breeding Population Survey**

## **MAY 2001**

## Southern Manitoba and Saskatchewan River Delta





UNITED STATES DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE

AND

ENVIRONMENT CANADA CANADIAN WILDLIFE SERVICE



<u>TITLE:</u>	Waterfowl Breeding Population Survey for Southern Manitoba and the Saskatchewan River Delta
STRATA SURVEYED:	25, and 36 through 40
DATES:	May 8 - 26, 2001
<u>DATA SUPPLIED BY:</u> <u>Aerial Crew:</u> Pilot/Observer Observer	United States Fish & Wildlife Service (USFWS) Canadian Wildlife Service (CWS) Manitoba Conservation (MC) Ducks Unlimited, Canada (DUC) Saskatchewan Wetland Conservation Corporation (SWCC) Rod King, Flyway Biologist, USFWS Herb Bell, Wildlife Biologist USFWS
<u>Ground Crew:</u> Crew Leaders:	Dale Caswell, Wildlife Biologist, CWS Pat Rakowski, Wildlife Biologist, CWS Marc Schuster, Wildlife Technician, CWS Darcy Pisiak, Wildlife Technician, CWS Martin Van Osch, Wildlife Technician, DUC Garth Ball, Habitat Biologist, MC (Strata 36-40 only)
Assistants:	James Galbraith, Student Technician, CWS Frank Baldwin, Jr., Student Technician, CWS Mark Blanchard, Student Technician, CWS Alain Dupuis, Student Technician, CWS Dr. George Hochbaum, Wildlife Biologist (Retired), CWS (Strata 36-40 only) Bob Carles, General Manager, SWCC (Strata 34-35 only)

<u>ABSTRACT</u>: The Manitoba Air Crew again collected and reported the data from the Saskatchewan River Delta in this report. The process simplified the reporting procedure. The Saskatchewan River Delta has been flown by the Manitoba Air Crew for several years and therefore seemed logical to eliminate the extra step of transferring the data to the northern Manitoba crew. All tables have been updated to include long term averages that reflect the inclusion of this data.

The 2001 survey was conducted from May 8 -26, and was consistent with the designed survey. Two segments on the eastern edge of Stratum 37 were not flown. These two segments are insignificant in waterfowl habitat and duck numbers. Delays from weather and the position of the two segments left after other lines were flown eliminated their significance to be included in the survey for 2001.

Winter began early for most parts of the survey area with significant amounts of snowfall and cold temperatures through January. After that time temps and precipitation waned until early spring. Above average temperatures and above average precipitation in the central part of the survey area set the stage for a banner year for waterfowl. The high amounts of precipitation during winter and spring, resulted in 68.7% more ponds than in 2000, 26.9% more than the 10-year mean, and 14.8% more than the Long-term mean. The 2.04 million estimated ducks is the highest number since 1982 and the 785.8 thousand ponds is the highest since the "wet" years of 1995-97 and then not until 1975 were there more ponds counted.

<u>METHODS</u>: Methods used in this survey are described in the Standard Operating Procedures for Aerial Waterfowl Breeding Ground Population and Habitat Surveys in North America, Section III, revised in 1987. Waterfowl and habitat data were collected using laptop computers and transcribed into a program developed by Jack Hodges MBM-AK.

This is the second year that the summary data from Stratum 25 has been included in these survey results. The MBM-PAS calculated all data from previous Stratum 25 summaries and has been included in Table 1, Appendix 1, and Figure 1. Pond data summaries from Table 2., remained unchanged because wetlands are not enumerated in Stratum 25. All transects, segments and historic air/ground comparisons were flown as outlined in the survey design except as noted above. The design includes 24 air/ground comparison segments (Stratum 36 - 40). These air/ground comparisons are "ground truthed" by the Manitoba crew identified on page 1.

This was the third year that King was Pilot/Observer and the seventh year that Bell has acted as observer in the Manitoba Stratum.

A Cessna 206 amphibious aircraft (N753) was used for the survey. A total of 25.3 hours were needed to survey strata 25, and 36-40. There were six days during the survey that the air crew was unable to fly: three days were lost due to the ground crew being unable to keep up with the air crew and three days delayed due to inclement weather. Survey data for strata 34-35 were forwarded to the Saskatchewan air crew.

<u>WEATHER AND HABITAT</u>: Data from Canada weather monitoring sources indicate that in spring 2001 all of the climate regions of Canada had temperatures above normal. The Prairie Region showed the greatest trend 3.0 degrees C increase over the 54-year period. The Prairie region was -21.5% below average precipitation which equaled the 13<sup>th</sup> driest spring in the 54 years. The exceptional dryness in Alberta and western Saskatchewan evidently overshadow the wetness in Manitoba and eastern Saskatchewan. Sections of southern Manitoba recorded total precipitation for the period November, 2000 through March, 2001 of 155-200% above average.

The lingering wetness in these areas from the previous two years had its toll on agriculture activities near wetland basins and resulted in many wetland basins being surrounded by residual vegetation. These conditions should improve nesting habitat for many dabbler species. Diver species should also, benefit as wetlands move into more permanent water levels and noticeably more emergent vegetation was present compared to the prior two springs.

BREEDING POPULATION ESTIMATES: The 2001, breeding waterfowl population data are listed by strata and species in Table 1. Total duck populations for southern Manitoba were +10.4% higher than 2000, +15.7% above the 10-year mean, but only +0.2% above the long-term mean. When viewing duck totals for each stratum individually (Table 1.) It is obvious where the excellent habitat/ponds were at as Stratum 38 (+109.6% higher than 2000) and Stratum 40 (+66.7% higher than 2000). These two stratum held more than one-third of the 2 million ducks in the survey area, but contain only 22% of the total habitat. Long term duck population estimates are found in Appendix 1. Dabbling duck populations were +14.4% higher than 2000, +22.7% higher than the 10-year mean and +1.7% higher than the long term mean. Dabbling ducks make up 72.7% of all ducks in the survey area. Of this total mallard made up 23% and blue-winged teal 25.5% of all ducks. Diving ducks were -0.2% lower than 2000, -0.3% lower than the 10-year mean and -5.9% lower than the long-term mean. Canvasback indicate the largest decrease of -21.5% of 2000 totals and ruddy duck indicated a +35.6% over 2000. Redhead populations remained virtually unchanged for 2000, but were +24.8% over the 10-year mean, and +44.1% higher than the long-term mean. Redhead make up 24% of the total diving duck population for 2001, canvasback 14.3%, and ruddy duck 12.7%. The significant increase in permanent wetlands is again evident in Stratum 40. Although this stratum contains only 9.8% of the total survey area habitat it boasted almost 30% of the redheads, more than 30% of the canvasbacks and 1/3 of all diving ducks.

Table 2. illustrates the comparison of pond estimates for May. Ponds are not counted in Stratum 25. May ponds were +68.7% above 2000, +26.9% more than the 10-year mean, and +14.8% higher than the long term mean.

Table 3. Summarizes the survey design of each strata with the expansion for each area. The 2001 survey sample included all but 2 segments in Stratum 37. These two segments were victims of weather delays and remoteness from the remaining segments after altering flight paths to complete the survey. Ironically these two segments are two of the areas with few and sometimes no ducks on the transect. One segment is entirely over the open water of Lake Manitoba and the other is in agriculture land with virtually no natural wetlands.

Trend graphs for all species found in Figure 1., include population estimates from 1955 through 2001, for all duck species and includes Canada geese, coot, and ponds.

<u>CONCLUSIONS AND OBSERVATIONS:</u> An early winter began in October, 2000 across most of the survey with 20-25 cm of snow and then submerged the area in colder than average temperatures until January. Higher than average precipitation and temperatures followed into spring. Although this provided an excellent scenario for enhanced habitat for many duck species it greatly delayed the fallowing and planting of crops across the southern portions of Manitoba. With increased water levels in natural and artificial wetlands and the delayed farm machinery activities it appears that this area would be excellent for all ducks. The residual carryover of vegetation from the previous two years and the increased water levels made this area the "place to be " if you were a duck. The only down side may have been from nest destruction to "fallow nesting ducks" after farm machinery finally got into the fields. The outcome remains to be documented in the upcoming duck production survey.

Southern Manitoba was the only survey area throughout Canada and the U. S. that documented a positive change in duck numbers over the year 2000 (USFWS Duck Trend Report, 2001). From the same report we see that of all the surveyed areas Mallard populations increased only in the southern Manitoba strata. Northern pintail populations also, showed the greatest increase in this area.

<u>ACKNOWLEDGMENTS</u>: We would like to thank the hospitality and friendship of the southern Manitoba/southeast Saskatchewan ground crew, and especially the very personal and professional care of our airplane at the hands of Dave and Jim Wall of Maple Leaf Aviation, Brandon, Manitoba.

Submitted by: Rodney J. King, Flyway Biologist, MBMO, Mare Island, CA Date: June 29,2001

% Change From Stratum Species/Ponds 25 36 37 38 39 40 2001 2000 10-Long-2000 10-Year Long-Term Total Total Year Term Mean Mean Mean Mean Ducks Dabblers Mallard 30.0 10.2 148.0 41.4 113.6 132.7 476.0 455.7 452.6 493.4 4.5% 5.2% -3.5% Am. black duck 0.0 0.0 0.0 0.0 0.0 0.0 3.0 0.6 0.4 -100.0% -100.0% -100.0% 0.0 Gadwall 7.9 0.5 28.9 3.8 38.8 34.4 114.1 90.9 95.7 71.4 25.5% 19.3% 59.9% 4.0 0.6 4.0 0.3 6.7 22.2 42.0 44.8 100.8 -47.2% -50.5% -78.0% Am. wigeon 6.6 2.1 Am. green-winged teal 2.3 1.9 6.1 13.4 8.0 33.7 63.5 65.9 64.7 -46.9% -48.8% -47.9% 36.5 3.7 113.2 167.3 154.0 520.6 401.0 342.8 470.1 29.8% 51.9% 10.7% Blue-winged teal 46.0 15.9 2.7 72.9 139.0 122.2 10.9% 54.8% N. shoveler 55.4 11.1 57.1 215.2 194.0 76.1% N. pintail 0.6 63.1 17.6 100.7 134.9 50.9% -25.3% 3.6 4.5 11.5 45.7 66.7 120.1% 1.7% Subtotal 100.1 20.1 360.0 116.1 475.8 410.4 1482.5 1295.9 1208.2 1457.9 14.4% 22.7% Divers 99.8 -0.9% 44.1% 7.3 55.9 1.2 22.9 36.1 124.5 125.6 86.4 24.8% Redhead 1.1 Canvasback 18.1 4.2 13.9 0.4 12.0 25.8 74.4 94.8 91.4 82.0 -21.5% -18.6% -9.3% Scaups 14.2 0.8 14.6 0.8 23.4 34.6 88.3 83.4 139.7 211.0 5.9% -36.8% -58.1% Ring-necked duck 28.5 4.0 12.0 0.0 8.9 13.0 66.5 70.7 54.6 44.7 -5.9% 21.9% 49.0% 23.2 10.3 33.3 40.0% Goldeneyes 5.4 0.0 6.7 6.9 52.5 50.7 37.5 3.5% 57.7% Bufflehead 9.6 5.2 13.1 0.0 46.5 46.0 49.9 31.3 1.2% -6.7% 48.4% 2.4 16.2 Ruddy Duck 7.5 0.0 10.5 2.1 17.9 28.1 66.2 48.8 47.9 62.7 35.6% 38.2% 5.6% Subtotal 108.5 25.7 125.4 4.5 94.2 160.7 519.0 519.9 520.7 551.4 -0.2% -0.3% -5.9% Miscellaneous 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.3 0.1 Oldsquaw -100.0% -100.0% ---Eiders 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 ---------Scoters 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.7 2.1 3.7 -100.0% -100.0% -100.0% Mergansers 22.6 9.5 4.6 0.0 1.0 0.9 38.7 31.8 31.6 23.1 21.5% 22.2% 67.3% 22.6 9.5 Subtotal 4.6 0.0 1.0 0.9 38.7 32.5 34.0 26.9 19.0% 13.6% 43.6% Total Ducks 231.2 55.3 490.1 120.5 571.1 572.0 2040.2 1848.3 1763.0 2036.2 10.4% 15.7% 0.2% 11.9 1.2 4.4 53.9 57.3 33.9 -5.9% -14.7% 58.8% Canada Goose 17.1 5.7 13.7 63.2 Am. coot 30.7 0.6 66.3 0.6 119.7 128.1 346.1 410.2 251.6 209.2 -15.6% 37.5% 65.4% 684.7 0.0 324.7 122.9 144.0 163.1 785.8 465.7 619.3 68.7% 26.9% 14.8% Ponds 31.1

Table 1. Status of waterfowl breeding population estimates (thousands, adjusted for visibility bias) by species and stratum with comparisons against the previous year, the previous 10-year mean, and the long-term mean for Southern Manitoba.

			Stratur	n			
Year	25	36	37	38	39	40	Tota
1961		33.1	289.8	36.3	117.7	109.6	586
1962		25.2	313.5	31.9	74.8	88.2	533
1963		47.8	247.7	53.2	162.5	168.8	679
1964		77.4	289.6	38.6	253.2	250.3	909
1965		141.8	443.8	72.6	246.0	218.4	1122
1966		115.8	433.2	62.8	242.0	212.4	1066
1967		129.0	503.3	70.1	182.7	234.9	1120
1968		39.8	153.9	27.4	46.3	67.9	335
1969		59.6	153.1	36.8	126.3	87.3	463
1970		79.4	368.2	63.1	262.2	262.2	1035
1971		69.9	239.9	60.5	200.7	183.5	754
972		103.8	431.5	48.1	180.4	250.0	1013
1973		82.6	137.6	33.6	97.7	82.4	433
974		141.7	559.5	67.2	324.6	356.2	1449
975		59.7	264.2	53.3	296.2	264.1	937
976		75.5	444.0	61.7	376.4	231.0	1188
977		35.6	208.2	39.2	67.0	90.0	439
978		129.9	312.5	31.7	114.9	191.3	780
979		67.6	268.5	42.1	202.5	211.7	792
980		32.4	103.2	31.6	58.5	60.9	286
981		30.4	107.8	23.1	47.5	54.0	262
982		27.0	131.1	25.3	88.2	87.4	359
.983		89.2	271.7	34.3	163.3	153.9	712
984		69.3	159.1	36.5	86.3	58.2	409
985		45.4	234.6	29.0	83.7	103.6	496
986		94.3	383.8	70.2	197.1	202.2	947
987		42.1	165.2	37.6	119.4	133.8	498
988		108.2	318.5	43.4	48.8	113.6	632
989		36.6	99.1	38.2	63.5	46.8	284
990		80.7	348.5	35.7	52.4	145.2	662
991		28.8	147.1	32.4	70.8	114.0	393
.992		61.9	261.9	54.0	150.3	136.6	664
993		48.3	216.8	55.7	63.4	99.2	483
994		45.8	157.9	37.0	89.4	65.6	395
995		79.7	332.1	65.2	239.5	172.9	889
996		76.9	371.2	54.5	177.2	150.1	829
997		99.9	467.5	84.5	157.4	159.2	968
998		43.0	194.9	44.3	124.1	85.7	492
.999		36.8	185.6	32.6	204.6	151.1	610
2000		45.6	185.0	27.5	91.3	117.3	465
001		31.1	324.7	122.9	144.0	163.1	785
0-year Mean		56.7	251.9	48.8	136.8	125.2	619
Long-term Mean		68.4	272.6	45.6	148.8	149.3	684
Percent Change:							
From 2000		-31.8%	76.4%	346.1%	57.7%	39.1%	68.7
From 10-year Mean		-45.2%	28.9%	151.9%	5.3%	30.3%	26.9
From Long-term Mean		-54.6%	19.1%	169.7%	-3.2%	9.3%	14.8

Table 2. Long-term trend in adjusted May pond estimates (thousands) by stratum with comparisons against the previous year, the previous 10-year mean, and the long-term mean for Southern Manitoba. Note that ponds are not counted in stratum 25.

				Stratum			
Survey Design*	25	36	37	38	39	40	Total
Sq. Mi. in the stratum	7,644	5,500	16,485	5,655	6,552	4,536	46,372
Sq. Mi. in sample	135	58.5	135.0	54.0	121.5	67.5	571.5
Linear Mi. in sample	540	234	540	216	486	270	2,286
No. of transects in sample	5	3	4	3	5	4	24
No. of segments in sample	30	13	30	12	27	15	127
Expansion factor	56.622	94.017	122.111	104.722	53.926	67.200	
-							

Table 3.Survey design for Southern Manitoba and the Saskatchewan River Delta,<br/>May, 2001.

\*Survey design and current year design flown were identical.

G : /D 1	1055	1056	1057	1059	1050	10/0	10/1	10(2	10(2	10(4
Species/Ponds	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
Ducks Dabblers										
Mallard	549.9	811.4	852.4	1116.6	702.5	647.2	442.6	292.5	428.6	534.7
Am. black duck	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.5	2.1	0.5
Gadwall	31.4	18.9	23.6	34.1	35.5	28.0	62.2	41.2	84.3	70.7
Am. wigeon	162.3	140.2	120.8	392.7	292.2	106.4	130.4	100.1	118.4	166.3
Am. green-winged teal	36.9	17.8	29.6	74.7	57.1	21.7	67.3	21.0	69.3	10.7
Blue-winged teal	514.8	313.3	399.1	1198.2	1302.2	729.2	543.5	439.2	538.4	490.9
N. shoveler	57.4	66.5	93.4	84.3	198.3	158.0	138.1	75.9	159.9	167.8
N. pintail	335.1	296.2	210.4	208.6	149.0	256.7	115.3	122.5	196.4	141.6
Subtotal	1687.9	1665.1	1729.1	3109.1	2736.7	1947.1	1499.4	1093.0	1597.3	1583.2
Divers										
Redhead	66.3	69.9	55.2	99.1	123.7	88.6	77.7	50.6	105.7	117.9
Canvasback	80.5	79.6	54.4	138.3	109.0	131.3	123.1	58.3	100.6	101.3
Scaups	225.3	235.3	281.6	598.0	416.6	289.1	271.1	184.3	269.5	218.6
Ring-necked duck	27.2	25.3	7.0	18.4	55.7	13.0	17.7	21.2	46.2	24.1
Goldeneyes	17.8	13.3	17.5	34.6	87.7	53.9	25.4	29.0	16.4	10.6
Bufflehead	16.3 28.9	7.5 28.6	2.9 24.9	10.9 24.6	14.7 81.3	9.6 62.5	23.1 95.3	7.8 55.0	20.6 106.2	14.3 74.9
Ruddy Duck Subtotal	28.9 462.3	28.6 459.7	24.9 443.4	24.6 923.9	81.3 888.8	62.5 648.0	95.3 633.4	55.0 406.2	106.2 665.3	74.9 561.7
Miscellaneous	402.3	439.1	443.4	923.9	000.0	046.0	033.4	400.2	003.5	301./
Oldsquaw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eiders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scoters	3.4	7.5	0.9	10.3	10.1	0.0	1.6	0.5	1.4	2.2
Mergansers	14.2	2.6	0.6	1.2	1.6	5.0	1.9	4.7	8.7	19.3
Subtotal	17.6	10.1	1.6	11.4	11.7	5.0	3.5	5.3	10.1	21.6
Total Ducks	2167.8	2134.9	2174.1	4044.4	3637.1	2600.2	2136.3	1504.5	2272.7	2166.4
Canada Goose	5.6	31.5	0.0	8.8	3.5	9.5	7.4	11.0	9.0	8.4
Am. coot	18.8	45.7	27.8	77.0	286.6	121.5	239.7	52.0	112.5	117.2
Ponds							586.6	533.6	679.9	909.1
Species/Ponds	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Ducks Dabblers										
Mallard										
wanaru	372.0	431.5	168 3	135 1	650 7	757 2	158 3	576.6	370.1	421.0
	372.0	431.5	468.3	435.1	659.7 0.2	757.2	458.3	576.6	370.1	421.0
Am. black duck	0.1	0.4	1.1	1.6	0.2	0.2	0.3	0.0	0.0	0.0
Am. black duck Gadwall	0.1 54.5	0.4 86.6	1.1 98.0	1.6 71.0	0.2 58.5	0.2 59.8	0.3 51.8	0.0 86.5	0.0 86.9	0.0 58.1
Am. black duck Gadwall Am. wigeon	0.1 54.5 177.0	0.4 86.6 130.4	1.1 98.0 96.3	1.6 71.0 144.5	0.2 58.5 173.5	0.2 59.8 155.3	0.3 51.8 112.6	0.0 86.5 150.9	0.0 86.9 163.6	0.0 58.1 108.3
Am. black duck Gadwall Am. wigeon Am. green-winged teal	0.1 54.5 177.0 39.4	0.4 86.6	1.1 98.0 96.3 83.2	1.6 71.0	0.2 58.5	0.2 59.8	0.3 51.8 112.6 135.1	0.0 86.5 150.9 125.7	0.0 86.9	0.0 58.1
Am. black duck Gadwall Am. wigeon	0.1 54.5 177.0	0.4 86.6 130.4 60.9	1.1 98.0 96.3	1.6 71.0 144.5 58.5	0.2 58.5 173.5 174.8	0.2 59.8 155.3 92.3	0.3 51.8 112.6	0.0 86.5 150.9	0.0 86.9 163.6 134.1	0.0 58.1 108.3 112.9
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal	0.1 54.5 177.0 39.4 360.5	0.4 86.6 130.4 60.9 285.1	1.1 98.0 96.3 83.2 679.3	1.6 71.0 144.5 58.5 496.9	0.2 58.5 173.5 174.8 575.5	0.2 59.8 155.3 92.3 819.4	0.3 51.8 112.6 135.1 450.0	0.0 86.5 150.9 125.7 533.6	0.0 86.9 163.6 134.1 478.7	0.0 58.1 108.3 112.9 703.6
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler	0.1 54.5 177.0 39.4 360.5 141.0	0.4 86.6 130.4 60.9 285.1 135.7	1.1 98.0 96.3 83.2 679.3 202.1	1.6 71.0 144.5 58.5 496.9 99.1	0.2 58.5 173.5 174.8 575.5 172.7	0.2 59.8 155.3 92.3 819.4 147.0	0.3 51.8 112.6 135.1 450.0 93.1	0.0 86.5 150.9 125.7 533.6 146.3	0.0 86.9 163.6 134.1 478.7 76.8	0.0 58.1 108.3 112.9 703.6 106.1
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail	0.1 54.5 177.0 39.4 360.5 141.0 145.5	0.4 86.6 130.4 60.9 285.1 135.7 110.0	1.1 98.0 96.3 83.2 679.3 202.1 180.5	1.6 71.0 144.5 58.5 496.9 99.1 82.5	0.2 58.5 173.5 174.8 575.5 172.7 311.3	0.2 59.8 155.3 92.3 819.4 147.0 276.2	0.3 51.8 112.6 135.1 450.0 93.1 169.0	0.0 86.5 150.9 125.7 533.6 146.3 227.8	0.0 86.9 163.6 134.1 478.7 76.8 95.6	0.0 58.1 108.3 112.9 703.6 106.1 310.5
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead	0.1 54.5 177.0 39.4 360.5 141.0 145.5 1290.0 175.4	0.4 86.6 130.4 60.9 285.1 135.7 110.0 1240.6 106.2	1.1 98.0 96.3 83.2 679.3 202.1 180.5 1808.8 113.2	1.6 71.0 144.5 58.5 496.9 99.1 82.5 1389.2 72.9	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9	0.2 59.8 155.3 92.3 819.4 147.0 276.2 2307.4 101.0	0.3 51.8 112.6 135.1 450.0 93.1 169.0 1470.1 82.7	0.0 86.5 150.9 125.7 533.6 146.3 227.8 1847.4 75.8	0.0 86.9 163.6 134.1 478.7 76.8 95.6 1405.8 76.7	0.0 58.1 108.3 112.9 703.6 106.1 310.5 1820.5 91.8
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback	0.1 54.5 177.0 39.4 360.5 141.0 145.5 1290.0 175.4 126.7	0.4 86.6 130.4 60.9 285.1 135.7 110.0 1240.6 106.2 93.3	1.1 98.0 96.3 83.2 679.3 202.1 180.5 1808.8 113.2 109.4	1.6 71.0 144.5 58.5 496.9 99.1 82.5 1389.2 72.9 80.2	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9 73.8	0.2 59.8 155.3 92.3 819.4 147.0 276.2 2307.4 101.0 71.2	0.3 51.8 112.6 135.1 450.0 93.1 169.0 1470.1 82.7 80.2	0.0 86.5 150.9 125.7 533.6 146.3 227.8 1847.4 75.8 42.8	0.0 86.9 163.6 134.1 478.7 76.8 95.6 1405.8 76.7 68.4	0.0 58.1 108.3 112.9 703.6 106.1 310.5 1820.5 91.8 40.7
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups	0.1 54.5 177.0 39.4 360.5 141.0 145.5 1290.0 175.4 126.7 205.4	0.4 86.6 130.4 60.9 285.1 135.7 110.0 1240.6 106.2 93.3 183.1	1.1 98.0 96.3 83.2 679.3 202.1 180.5 1808.8 113.2 109.4 246.9	1.6 71.0 144.5 58.5 496.9 99.1 82.5 1389.2 72.9 80.2 188.3	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9 73.8 158.9	0.2 59.8 155.3 92.3 819.4 147.0 276.2 2307.4 101.0 71.2 227.1	0.3 51.8 112.6 135.1 450.0 93.1 169.0 1470.1 82.7 80.2 188.2	0.0 86.5 150.9 125.7 533.6 146.3 227.8 1847.4 75.8 42.8 191.3	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ \end{array}$	0.0 58.1 108.3 112.9 703.6 106.1 310.5 1820.5 91.8 40.7 348.4
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck	0.1 54.5 177.0 39.4 360.5 141.0 145.5 1290.0 175.4 126.7 205.4 31.6	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ \end{array}$	$1.1 \\98.0 \\96.3 \\83.2 \\679.3 \\202.1 \\180.5 \\1808.8 \\113.2 \\109.4 \\246.9 \\53.9 \\$	1.6 71.0 144.5 58.5 496.9 99.1 82.5 1389.2 72.9 80.2 188.3 97.3	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9 73.8 158.9 35.5	0.2 59.8 155.3 92.3 819.4 147.0 276.2 2307.4 101.0 71.2 227.1 53.5	$\begin{array}{c} 0.3 \\ 51.8 \\ 112.6 \\ 135.1 \\ 450.0 \\ 93.1 \\ 169.0 \\ 1470.1 \\ \\ 82.7 \\ 80.2 \\ 188.2 \\ 72.3 \end{array}$	0.0 86.5 150.9 125.7 533.6 146.3 227.8 1847.4 75.8 42.8 191.3 47.4	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \\\hline 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ \end{array}$	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9 73.8 158.9 35.5 17.5	$\begin{array}{c} 0.2 \\ 59.8 \\ 155.3 \\ 92.3 \\ 819.4 \\ 147.0 \\ 276.2 \\ 2307.4 \\ 101.0 \\ 71.2 \\ 227.1 \\ 53.5 \\ 23.6 \end{array}$	$\begin{array}{c} 0.3 \\ 51.8 \\ 112.6 \\ 135.1 \\ 450.0 \\ 93.1 \\ 169.0 \\ 1470.1 \\ \\ 82.7 \\ 80.2 \\ 188.2 \\ 72.3 \\ 39.2 \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \hline\\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ \end{array}$	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9 73.8 158.9 35.5 17.5 34.5	0.2 59.8 155.3 92.3 819.4 147.0 276.2 2307.4 101.0 71.2 227.1 53.5 23.6 21.4	$\begin{array}{c} 0.3 \\ 51.8 \\ 112.6 \\ 135.1 \\ 450.0 \\ 93.1 \\ 169.0 \\ 1470.1 \\ \\ 82.7 \\ 80.2 \\ 188.2 \\ 72.3 \\ 39.2 \\ 31.2 \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \\ 76.2 \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2 \end{array}$	$\begin{array}{c} 0.2 \\ 58.5 \\ 173.5 \\ 174.8 \\ 575.5 \\ 172.7 \\ 311.3 \\ 2126.2 \\ \\ 85.9 \\ 73.8 \\ 158.9 \\ 35.5 \\ 17.5 \\ 34.5 \\ 58.0 \\ \end{array}$	$\begin{array}{c} 0.2 \\ 59.8 \\ 155.3 \\ 92.3 \\ 819.4 \\ 147.0 \\ 276.2 \\ 2307.4 \\ 101.0 \\ 71.2 \\ 227.1 \\ 53.5 \\ 23.6 \\ 21.4 \\ 69.5 \end{array}$	$\begin{array}{c} 0.3 \\ 51.8 \\ 112.6 \\ 135.1 \\ 450.0 \\ 93.1 \\ 169.0 \\ 1470.1 \\ \\ 82.7 \\ 80.2 \\ 188.2 \\ 72.3 \\ 39.2 \\ 31.2 \\ 59.8 \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \hline\\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ \end{array}$	0.2 58.5 173.5 174.8 575.5 172.7 311.3 2126.2 85.9 73.8 158.9 35.5 17.5 34.5	0.2 59.8 155.3 92.3 819.4 147.0 276.2 2307.4 101.0 71.2 227.1 53.5 23.6 21.4	$\begin{array}{c} 0.3 \\ 51.8 \\ 112.6 \\ 135.1 \\ 450.0 \\ 93.1 \\ 169.0 \\ 1470.1 \\ \\ 82.7 \\ 80.2 \\ 188.2 \\ 72.3 \\ 39.2 \\ 31.2 \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \\ 76.2 \\ 653.4 \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ \end{array}$	$\begin{array}{c} 0.2 \\ 58.5 \\ 173.5 \\ 174.8 \\ 575.5 \\ 172.7 \\ 311.3 \\ 2126.2 \\ \\ 85.9 \\ 73.8 \\ 158.9 \\ 35.5 \\ 17.5 \\ 34.5 \\ 58.0 \\ 464.2 \\ \end{array}$	$\begin{array}{c} 0.2 \\ 59.8 \\ 155.3 \\ 92.3 \\ 819.4 \\ 147.0 \\ 276.2 \\ 2307.4 \\ 101.0 \\ 71.2 \\ 227.1 \\ 53.5 \\ 23.6 \\ 21.4 \\ 69.5 \\ 567.4 \end{array}$	$\begin{array}{c} 0.3 \\ 51.8 \\ 112.6 \\ 135.1 \\ 450.0 \\ 93.1 \\ 169.0 \\ 1470.1 \\ \end{array}$ $\begin{array}{c} 82.7 \\ 80.2 \\ 188.2 \\ 72.3 \\ 39.2 \\ 31.2 \\ 59.8 \\ 553.5 \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \\ 76.2 \\ 653.4 \\ 0.0 \\ \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ 0.0\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ \end{array}$	$\begin{array}{c} 0.2 \\ 58.5 \\ 173.5 \\ 174.8 \\ 575.5 \\ 172.7 \\ 311.3 \\ 2126.2 \\ \\ 85.9 \\ 73.8 \\ 158.9 \\ 35.5 \\ 17.5 \\ 34.5 \\ 58.0 \\ 464.2 \\ 0.0 \\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \end{array}$ $\begin{array}{c} 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \\ 76.2 \\ 653.4 \\ 0.0 \\ 0.0 \\ 0.0 \\ \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ 0.0\\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.2\\ 58.5\\ 173.5\\ 174.8\\ 575.5\\ 172.7\\ 311.3\\ 2126.2\\ \\ 85.9\\ 73.8\\ 158.9\\ 35.5\\ 17.5\\ 34.5\\ 58.0\\ 464.2\\ \\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \\ 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ 0.0\\ 0.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ 0.0\\ 0.0\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ \end{array}$ $\begin{array}{c} 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \\ 76.2 \\ 653.4 \\ 0.0 \\ 0.0 \\ 2.2 \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ 0.0\\ 0.0\\ 5.7\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ 0.0\\ 3.0\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \\72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ 0.0\\ 9.1\\ \end{array}$	$\begin{array}{c} 0.2\\ 58.5\\ 173.5\\ 174.8\\ 575.5\\ 172.7\\ 311.3\\ 2126.2\\ \\ 85.9\\ 73.8\\ 158.9\\ 35.5\\ 17.5\\ 34.5\\ 58.0\\ 464.2\\ \\ 0.0\\ 0.0\\ 1.3\\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ 0.0\\ 0.0\\ 5.3\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \\ 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ 0.0\\ 0.0\\ 6.1\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ 0.0\\ 1.7\end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ 0.0\\ 5.6\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ 0.0\\ 17.4\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters Mergansers	$\begin{array}{c} 0.1\\ 54.5\\ 177.0\\ 39.4\\ 360.5\\ 141.0\\ 145.5\\ 1290.0\\ 175.4\\ 126.7\\ 205.4\\ 31.6\\ 16.9\\ 21.3\\ 76.2\\ 653.4\\ 0.0\\ 0.0\\ 2.2\\ 15.0\\ \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ 0.0\\ 0.0\\ 5.7\\ 22.9\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ 0.0\\ 3.0\\ 7.0\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ 0.0\\ 9.1\\ 12.4\\ \end{array}$	$\begin{array}{c} 0.2\\ 58.5\\ 173.5\\ 174.8\\ 575.5\\ 172.7\\ 311.3\\ 2126.2\\ \\ 85.9\\ 73.8\\ 158.9\\ 35.5\\ 17.5\\ 34.5\\ 58.0\\ 464.2\\ \\ 0.0\\ 0.0\\ 1.3\\ 15.0\\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ 0.0\\ 0.0\\ 5.3\\ 11.2\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \end{array}$ $\begin{array}{c} 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ 0.0\\ 0.0\\ 6.1\\ 7.4\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ 0.0\\ 1.7\\ 16.6\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ 0.0\\ 5.6\\ 13.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ 0.0\\ 17.4\\ 27.3\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters	$\begin{array}{c} 0.1\\ 54.5\\ 177.0\\ 39.4\\ 360.5\\ 141.0\\ 145.5\\ 1290.0\\ \end{array}$ $\begin{array}{c} 175.4\\ 126.7\\ 205.4\\ 31.6\\ 16.9\\ 21.3\\ 76.2\\ 653.4\\ \end{array}$ $\begin{array}{c} 0.0\\ 0.0\\ 0.2\\ 15.0\\ 17.2\\ \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ \hline\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ \hline\\ 0.0\\ 0.0\\ 5.7\\ 22.9\\ 28.7\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ 0.0\\ 3.0\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \hline\\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ 0.0\\ 9.1\\ 12.4\\ 21.7\\ \end{array}$	$\begin{array}{c} 0.2\\ 58.5\\ 173.5\\ 174.8\\ 575.5\\ 172.7\\ 311.3\\ 2126.2\\ \\ 85.9\\ 73.8\\ 158.9\\ 35.5\\ 17.5\\ 34.5\\ 58.0\\ 464.2\\ \\ 0.0\\ 0.0\\ 1.3\\ 15.0\\ 16.4\\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ 0.0\\ 0.0\\ 5.3\\ 11.2\\ 16.5\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \end{array}$ $\begin{array}{c} 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ 0.0\\ 0.0\\ 6.1\\ 7.4\\ 13.5\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ 0.0\\ 1.7\\ 16.6\\ 18.3\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ 0.0\\ 5.6\\ 13.0\\ 18.5\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ 0.0\\ 17.4\\ 27.3\\ 44.7\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters Mergansers Subtotal	$\begin{array}{c} 0.1 \\ 54.5 \\ 177.0 \\ 39.4 \\ 360.5 \\ 141.0 \\ 145.5 \\ 1290.0 \\ \end{array}$ $\begin{array}{c} 175.4 \\ 126.7 \\ 205.4 \\ 31.6 \\ 16.9 \\ 21.3 \\ 76.2 \\ 653.4 \\ 0.0 \\ 0.0 \\ 0.2 \\ 15.0 \\ \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ 0.0\\ 0.0\\ 5.7\\ 22.9\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ \end{array}$ $\begin{array}{c} 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ 0.0\\ 3.0\\ 7.0\\ 10.0\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ 0.0\\ 9.1\\ 12.4\\ \end{array}$	$\begin{array}{c} 0.2\\ 58.5\\ 173.5\\ 174.8\\ 575.5\\ 172.7\\ 311.3\\ 2126.2\\ \\ 85.9\\ 73.8\\ 158.9\\ 35.5\\ 17.5\\ 34.5\\ 58.0\\ 464.2\\ \\ 0.0\\ 0.0\\ 1.3\\ 15.0\\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ 0.0\\ 0.0\\ 5.3\\ 11.2\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \end{array}$ $\begin{array}{c} 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ 0.0\\ 0.0\\ 6.1\\ 7.4\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ 0.0\\ 1.7\\ 16.6\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ 0.0\\ 5.6\\ 13.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ 0.0\\ 17.4\\ 27.3\\ \end{array}$
Am. black duck Gadwall Am. wigeon Am. green-winged teal Blue-winged teal N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters Mergansers Subtotal Total Ducks	$\begin{array}{c} 0.1\\ 54.5\\ 177.0\\ 39.4\\ 360.5\\ 141.0\\ 145.5\\ 1290.0\\ \\ 175.4\\ 126.7\\ 205.4\\ 31.6\\ 16.9\\ 21.3\\ 76.2\\ 653.4\\ \\ 0.0\\ 0.0\\ 2.2\\ 15.0\\ 17.2\\ 1960.6\\ \end{array}$	$\begin{array}{c} 0.4\\ 86.6\\ 130.4\\ 60.9\\ 285.1\\ 135.7\\ 110.0\\ 1240.6\\ \hline\\ 106.2\\ 93.3\\ 183.1\\ 35.8\\ 7.6\\ 19.2\\ 102.3\\ 547.5\\ \hline\\ 0.0\\ 0.0\\ 5.7\\ 22.9\\ 28.7\\ 1816.7\\ \end{array}$	$\begin{array}{c} 1.1\\ 98.0\\ 96.3\\ 83.2\\ 679.3\\ 202.1\\ 180.5\\ 1808.8\\ \\ 113.2\\ 109.4\\ 246.9\\ 53.9\\ 19.6\\ 49.1\\ 82.5\\ 674.6\\ 0.0\\ 0.0\\ 3.0\\ 7.0\\ 10.0\\ 2493.4\\ \end{array}$	$\begin{array}{c} 1.6\\ 71.0\\ 144.5\\ 58.5\\ 496.9\\ 99.1\\ 82.5\\ 1389.2\\ \\ 72.9\\ 80.2\\ 188.3\\ 97.3\\ 9.5\\ 25.7\\ 131.2\\ 605.1\\ 0.1\\ 0.0\\ 9.1\\ 12.4\\ 21.7\\ 2016.0\\ \end{array}$	$\begin{array}{c} 0.2\\ 58.5\\ 173.5\\ 174.8\\ 575.5\\ 172.7\\ 311.3\\ 2126.2\\ \\ 85.9\\ 73.8\\ 158.9\\ 35.5\\ 17.5\\ 34.5\\ 58.0\\ 464.2\\ \\ 0.0\\ 0.0\\ 1.3\\ 15.0\\ 16.4\\ 2606.7\\ \end{array}$	$\begin{array}{c} 0.2\\ 59.8\\ 155.3\\ 92.3\\ 819.4\\ 147.0\\ 276.2\\ 2307.4\\ \hline 101.0\\ 71.2\\ 227.1\\ 53.5\\ 23.6\\ 21.4\\ 69.5\\ 567.4\\ \hline 0.0\\ 0.0\\ 5.3\\ 11.2\\ 16.5\\ 2891.4\\ \end{array}$	$\begin{array}{c} 0.3\\ 51.8\\ 112.6\\ 135.1\\ 450.0\\ 93.1\\ 169.0\\ 1470.1\\ \end{array}$ $\begin{array}{c} 82.7\\ 80.2\\ 188.2\\ 72.3\\ 39.2\\ 31.2\\ 59.8\\ 553.5\\ 0.0\\ 0.0\\ 0.0\\ 6.1\\ 7.4\\ 13.5\\ 2037.1\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.5\\ 150.9\\ 125.7\\ 533.6\\ 146.3\\ 227.8\\ 1847.4\\ 75.8\\ 42.8\\ 191.3\\ 47.4\\ 16.0\\ 28.6\\ 34.5\\ 436.4\\ 0.0\\ 0.0\\ 1.7\\ 16.6\\ 18.3\\ 2302.0\\ \end{array}$	$\begin{array}{c} 0.0\\ 86.9\\ 163.6\\ 134.1\\ 478.7\\ 76.8\\ 95.6\\ 1405.8\\ 76.7\\ 68.4\\ 138.2\\ 29.8\\ 15.6\\ 11.3\\ 49.7\\ 389.7\\ 0.0\\ 0.0\\ 5.6\\ 13.0\\ 18.5\\ 1814.1\\ \end{array}$	$\begin{array}{c} 0.0\\ 58.1\\ 108.3\\ 112.9\\ 703.6\\ 106.1\\ 310.5\\ 1820.5\\ 91.8\\ 40.7\\ 348.4\\ 54.6\\ 34.7\\ 27.6\\ 62.8\\ 660.6\\ 0.0\\ 0.0\\ 17.4\\ 27.3\\ 44.7\\ 2525.7\\ \end{array}$

Appendix 1. Long-term trend in adjusted waterfowl breeding population estimates (thousands).

	1055	1076	1055	1050	1050	1000	1001	1000	1002	1004
Species/Ponds	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Ducks										
Dabblers Mallard	476.5	679.8	482.8	429.9	417.1	596.2	467.5	521.2	427.7	233.4
Am. black duck	470.5	079.8	482.8	429.9	417.1 0.6	1.2	407.3	0.0	427.7	233.4
Gadwall	52.5	62.2	81.8	61.7	81.0	144.5	70.7	58.3	52.6	17.3
	32.3 77.6	78.6	41.7	73.2	81.0 82.4	144.5	103.9	58.5 67.0	32.0 48.4	38.5
Am. wigeon Am. green-winged teal	66.0	122.5	70.3	141.2	40.1	35.9	40.7	36.2	48.4 52.9	43.2
Blue-winged teal	410.2	722.5	435.8	383.6	536.8	528.0	386.0	496.2	314.3	201.6
N. shoveler	69.3	166.3	433.8 62.1	89.6	95.2	75.8	116.1	157.8	135.5	65.3
N. pintail	225.9	263.5	43.1	107.1	201.2	73.6	71.6	110.5	106.2	31.8
Subtotal	1378.5	203.3	1218.6	1286.6	1454.5	1576.2	1256.6	1447.1	1137.7	631.1
Divers	1378.3	2095.9	1210.0	1200.0	1454.5	1370.2	1230.0	144/.1	1137.7	031.1
Redhead	82.7	86.2	108.8	80.6	76.5	65.4	150.9	94.8	60.5	20.1
Canvasback	82.7 90.9	127.4	74.3	57.7	60.9	75.9	101.1	65.5	48.0	56.2
	312.0	267.9	164.6	307.2	149.8	222.0	249.1	169.3	243.5	120.2
Scaups Ring-necked duck	59.7	207.9	104.0	35.8	44.6	88.3	87.8	47.6	50.0	120.2
Goldeneyes	43.7	42.5	14.0	78.2	39.9	33.2	87.8 85.9	41.9	42.8	7.4
Bufflehead	29.6	42.3	32.5	45.9	20.3	33.0	35.6	30.3	32.8	26.5
Ruddy Duck	29.6 52.6	42.8 45.7	40.2	43.9 56.3	20.3	33.0 104.7	33.0 117.0	161.8	52.8 60.6	20.3 38.9
Subtotal	52.6 671.2	45.7 634.3	40.2 449.4	56.5 661.6	23.3 415.4	622.6	827.3			286.8
Miscellaneous	0/1.2	034.3	449.4	001.0	413.4	022.0	021.3	611.0	538.2	200.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oldsquaw Eiders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scoters	12.1	0.0 6.1	0.0 4.2	0.0 4.1	0.0 9.0	0.0	0.0	0.0	0.0 6.0	0.0 1.5
	36.8	12.5	4.2	25.7	9.0 43.0	0.8 54.9	51.9	1.5	70.6	24.9
Mergansers Subtotal	49.0	12.5	19.1	29.8	43.0 52.0	55.8	52.9	13.9	76.6	24.9 26.4
Total Ducks	2098.7	2748.8	1687.1	29.8 1978.1	32.0 1921.8	2254.5	2136.8	2075.7	1752.4	20.4 944.3
Canada Goose	2098.7	2748.8 9.3	24.3	27.5	25.7	2234.3 39.5	35.8	31.9	47.1	40.2
Am. coot	312.5	485.5	24.3	128.0	196.3	499.7	404.2	197.7	135.2	40.2 55.6
Ponds	937.6	1188.7	439.9	780.3	792.4	286.7	262.8	359.0	712.4	409.4
Tolids	757.0	1100.7	ч37.7	780.5	772.4	200.7	202.0	557.0	/12.4	<del>т</del> 02.т
Species/Ponds	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Ducks	1705	1700	1707	1700	1707	1770	1771	1772	1775	1774
Dabblers										
Mallard	329.2	431.8	332.0	340.4	315.3	363.1	340.6	389.4	354.7	436.5
Am. black duck	0.6	431.8	0.7	0.2	0.2	0.2	0.4	1.1	0.0	0.3
Gadwall	64.3	105.7	71.2	70.3	69.6	120.1	79.7	111.9	94.4	57.6
Am. wigeon	53.5	63.4	39.5	43.6	56.1	58.1	55.0	52.5		47.3
Am. green-winged teal							55.0		31.0	
Blue-winged teal				38 3			30.3		31.9 24.5	
Diuc-wingeu ieai	24.2	55.4	46.2	38.3 369.0	40.4	41.2	39.3 272.2	138.5	24.5	32.1
•	225.2	55.4 386.0	46.2 291.5	369.0	40.4 314.5	41.2 343.1	272.2	138.5 430.4	24.5 355.6	32.1 172.2
N. shoveler	225.2 99.9	55.4 386.0 165.5	46.2 291.5 115.6	369.0 122.8	40.4 314.5 79.2	41.2 343.1 95.2	272.2 88.9	138.5 430.4 151.3	24.5 355.6 79.5	32.1 172.2 64.8
N. shoveler N. pintail	225.2 99.9 45.8	55.4 386.0 165.5 124.0	46.2 291.5 115.6 77.9	369.0 122.8 36.4	40.4 314.5 79.2 19.6	41.2 343.1 95.2 57.4	272.2 88.9 26.6	138.5 430.4 151.3 100.2	24.5 355.6 79.5 40.5	32.1 172.2 64.8 52.5
N. shoveler N. pintail Subtotal	225.2 99.9	55.4 386.0 165.5	46.2 291.5 115.6	369.0 122.8	40.4 314.5 79.2	41.2 343.1 95.2	272.2 88.9	138.5 430.4 151.3	24.5 355.6 79.5	32.1 172.2 64.8
N. shoveler N. pintail Subtotal Divers	225.2 99.9 45.8 842.6	55.4 386.0 165.5 124.0 1332.5	46.2 291.5 115.6 77.9 974.5	369.0 122.8 36.4 1021.0	40.4 314.5 79.2 19.6 894.9	41.2 343.1 95.2 57.4 1078.4	272.2 88.9 26.6 902.6	138.5 430.4 151.3 100.2 1375.3	24.5 355.6 79.5 40.5 981.1	32.1 172.2 64.8 52.5 863.3
N. shoveler N. pintail Subtotal Divers Redhead	225.2 99.9 45.8 842.6 51.3	55.4 386.0 165.5 124.0 1332.5 38.3	46.2 291.5 115.6 77.9 974.5 52.2	369.0 122.8 36.4 1021.0 53.6	40.4 314.5 79.2 19.6 894.9 33.5	41.2 343.1 95.2 57.4 1078.4 85.0	272.2 88.9 26.6 902.6 99.9	138.5 430.4 151.3 100.2 1375.3 116.3	24.5 355.6 79.5 40.5 981.1 44.2	32.1 172.2 64.8 52.5 863.3 51.2
N. shoveler N. pintail Subtotal Divers Redhead Canvasback	225.2 99.9 45.8 842.6 51.3 60.4	55.4 386.0 165.5 124.0 1332.5 38.3 57.1	46.2 291.5 115.6 77.9 974.5 52.2 42.5	369.0 122.8 36.4 1021.0 53.6 56.0	40.4 314.5 79.2 19.6 894.9 33.5 53.4	41.2 343.1 95.2 57.4 1078.4 85.0 68.5	272.2 88.9 26.6 902.6 99.9 65.3	138.5 430.4 151.3 100.2 1375.3 116.3 80.0	24.5 355.6 79.5 40.5 981.1 44.2 69.5	32.1 172.2 64.8 52.5 863.3 51.2 100.2
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups	225.2 99.9 45.8 842.6 51.3 60.4 155.6	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5	369.0 122.8 36.4 1021.0 53.6 56.0 151.1	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9	272.2 88.9 26.6 902.6 99.9 65.3 101.4	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0	32.1 172.2 64.8 52.5 863.3 51.2 100.2 154.7
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6	32.1 172.2 64.8 52.5 863.3 51.2 100.2 154.7 42.2
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8	32.1 172.2 64.8 52.5 863.3 51.2 100.2 154.7 42.2 6.5
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1 67.2	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0	$\begin{array}{c} 32.1 \\ 172.2 \\ 64.8 \\ 52.5 \\ 863.3 \\ \\ 51.2 \\ 100.2 \\ 154.7 \\ 42.2 \\ 6.5 \\ 49.1 \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9 69.9	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1 68.1	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1 67.2 60.8	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6	$\begin{array}{c} 32.1 \\ 172.2 \\ 64.8 \\ 52.5 \\ 863.3 \\ \\ 51.2 \\ 100.2 \\ 154.7 \\ 42.2 \\ 6.5 \\ 49.1 \\ 15.1 \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1 67.2	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0	$\begin{array}{c} 32.1 \\ 172.2 \\ 64.8 \\ 52.5 \\ 863.3 \\ \\ 51.2 \\ 100.2 \\ 154.7 \\ 42.2 \\ 6.5 \\ 49.1 \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9 69.9	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1 68.1	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1 67.2 60.8	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6	$\begin{array}{c} 32.1 \\ 172.2 \\ 64.8 \\ 52.5 \\ 863.3 \\ \\ 51.2 \\ 100.2 \\ 154.7 \\ 42.2 \\ 6.5 \\ 49.1 \\ 15.1 \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9 69.9 563.7	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0 474.8	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1 68.1 453.7	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9 335.4	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7 504.6	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5 457.6	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1 67.2 60.8 695.5	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5	$\begin{array}{c} 32.1\\ 172.2\\ 64.8\\ 52.5\\ 863.3\\ 51.2\\ 100.2\\ 154.7\\ 42.2\\ 6.5\\ 49.1\\ 15.1\\ 419.0\\ \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8 0.0	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9 69.9 563.7 0.0	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0 474.8 0.0	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1 68.1 453.7 0.0	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9 335.4 0.0	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7 504.6 0.0	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5 457.6 0.0	138.5 430.4 151.3 100.2 1375.3 116.3 80.0 221.2 113.8 36.1 67.2 60.8 695.5 0.0	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5 0.5	32.1 172.2 64.8 52.5 863.3 51.2 100.2 154.7 42.2 6.5 49.1 15.1 419.0 1.3
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8 0.0 0.0	55.4 386.0 165.5 124.0 1332.5 38.3 57.1 309.1 34.5 22.8 31.9 69.9 563.7 0.0 0.0	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0 474.8 0.0 0.0	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1 68.1 453.7 0.0 0.0	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9 335.4 0.0 0.0	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7 504.6 0.0 0.0	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5 457.6 0.0 0.0	$\begin{array}{c} 138.5 \\ 430.4 \\ 151.3 \\ 100.2 \\ 1375.3 \\ \hline \\ 116.3 \\ 80.0 \\ 221.2 \\ 113.8 \\ 36.1 \\ 67.2 \\ 60.8 \\ 695.5 \\ \hline \\ 0.0 \\ 0.0 \\ 0.0 \\ \end{array}$	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5 0.5 0.0	$\begin{array}{c} 32.1\\ 172.2\\ 64.8\\ 52.5\\ 863.3\\ \\ 51.2\\ 100.2\\ 154.7\\ 42.2\\ 6.5\\ 49.1\\ 15.1\\ 419.0\\ \\ 1.3\\ 0.0\\ \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8 0.0 0.0 0.0 3.6	$55.4 \\ 386.0 \\ 165.5 \\ 124.0 \\ 1332.5 \\ 38.3 \\ 57.1 \\ 309.1 \\ 34.5 \\ 22.8 \\ 31.9 \\ 69.9 \\ 563.7 \\ 0.0 \\ 0.0 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0.5 \\ 0.0 \\ 0.3 \\ 0.5 \\ 0.0 \\ 0.3 \\ 0.5 \\ 0.0 \\ 0.3 \\ 0.5 \\ 0.$	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0 474.8 0.0 0.0 0.0 1.6	369.0 122.8 36.4 1021.0 53.6 56.0 151.1 57.2 34.5 33.1 68.1 453.7 0.0 0.0 0.0 3.4	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9 335.4 0.0 0.0 0.2	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7 504.6 0.0 0.0 0.3	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5 457.6 0.0 0.0 1.8	$\begin{array}{c} 138.5\\ 430.4\\ 151.3\\ 100.2\\ 1375.3\\ \end{array}$ $\begin{array}{c} 116.3\\ 80.0\\ 221.2\\ 113.8\\ 36.1\\ 67.2\\ 60.8\\ 695.5\\ \end{array}$ $\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 4.8\\ \end{array}$	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5 0.5 0.0 3.0	$\begin{array}{c} 32.1\\ 172.2\\ 64.8\\ 52.5\\ 863.3\\ 51.2\\ 100.2\\ 154.7\\ 42.2\\ 6.5\\ 49.1\\ 15.1\\ 419.0\\ 1.3\\ 0.0\\ 1.5\\ \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters Mergansers	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8 0.0 0.0 3.6 35.6	$55.4 \\ 386.0 \\ 165.5 \\ 124.0 \\ 1332.5 \\ 38.3 \\ 57.1 \\ 309.1 \\ 34.5 \\ 22.8 \\ 31.9 \\ 69.9 \\ 563.7 \\ 0.0 \\ 0.0 \\ 0.3 \\ 28.0 \\ \end{array}$	46.2 291.5 115.6 77.9 974.5 52.2 42.5 169.5 55.5 33.8 40.3 81.0 474.8 0.0 0.0 1.6 23.6	$\begin{array}{c} 369.0\\ 122.8\\ 36.4\\ 1021.0\\ \\ 53.6\\ 56.0\\ 151.1\\ 57.2\\ 34.5\\ 33.1\\ 68.1\\ 453.7\\ \\ 0.0\\ 0.0\\ 3.4\\ 28.3\\ \end{array}$	40.4 314.5 79.2 19.6 894.9 33.5 53.4 101.9 33.8 21.1 33.8 57.9 335.4 0.0 0.0 0.2 25.1	41.2 343.1 95.2 57.4 1078.4 85.0 68.5 152.9 49.3 40.6 35.6 72.7 504.6 0.0 0.0 0.3 47.8	272.2 88.9 26.6 902.6 99.9 65.3 101.4 47.4 15.0 48.2 80.5 457.6 0.0 0.0 1.8 23.6	$\begin{array}{c} 138.5\\ 430.4\\ 151.3\\ 100.2\\ 1375.3\\ \end{array}$ $\begin{array}{c} 116.3\\ 80.0\\ 221.2\\ 113.8\\ 36.1\\ 67.2\\ 60.8\\ 695.5\\ \end{array}$ $\begin{array}{c} 0.0\\ 0.0\\ 4.8\\ 27.2\\ \end{array}$	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5 0.5 0.0 3.0 24.8	$\begin{array}{c} 32.1\\ 172.2\\ 64.8\\ 52.5\\ 863.3\\ 51.2\\ 100.2\\ 154.7\\ 42.2\\ 6.5\\ 49.1\\ 15.1\\ 419.0\\ 1.3\\ 0.0\\ 1.5\\ 26.1\\ \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters Mergansers Subtotal	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8 0.0 0.0 3.6 35.6 39.2	$55.4 \\ 386.0 \\ 165.5 \\ 124.0 \\ 1332.5 \\ 38.3 \\ 57.1 \\ 309.1 \\ 34.5 \\ 22.8 \\ 31.9 \\ 69.9 \\ 563.7 \\ 0.0 \\ 0.0 \\ 0.3 \\ 28.0 \\ 28.3 \\ \end{array}$	$\begin{array}{c} 46.2\\ 291.5\\ 115.6\\ 77.9\\ 974.5\\ 52.2\\ 42.5\\ 169.5\\ 55.5\\ 33.8\\ 40.3\\ 81.0\\ 474.8\\ 0.0\\ 0.0\\ 1.6\\ 23.6\\ 25.2\\ \end{array}$	$\begin{array}{c} 369.0\\ 122.8\\ 36.4\\ 1021.0\\ \\ 53.6\\ 56.0\\ 151.1\\ 57.2\\ 34.5\\ 33.1\\ 68.1\\ 453.7\\ \\ 0.0\\ 0.0\\ 3.4\\ 28.3\\ 31.6\\ \end{array}$	$\begin{array}{c} 40.4\\ 314.5\\ 79.2\\ 19.6\\ 894.9\\ \hline 33.5\\ 53.4\\ 101.9\\ 33.8\\ 21.1\\ 33.8\\ 57.9\\ 335.4\\ \hline 0.0\\ 0.0\\ 0.2\\ 25.1\\ 25.3\\ \end{array}$	$\begin{array}{c} 41.2\\ 343.1\\ 95.2\\ 57.4\\ 1078.4\\ \\ 85.0\\ 68.5\\ 152.9\\ 49.3\\ 40.6\\ 35.6\\ 72.7\\ 504.6\\ \\ 0.0\\ 0.3\\ 47.8\\ 48.1\\ \end{array}$	$\begin{array}{c} 272.2\\ 88.9\\ 26.6\\ 902.6\\ 99.9\\ 65.3\\ 101.4\\ 47.4\\ 15.0\\ 48.2\\ 80.5\\ 457.6\\ 0.0\\ 0.0\\ 1.8\\ 23.6\\ 25.3\\ \end{array}$	$\begin{array}{c} 138.5\\ 430.4\\ 151.3\\ 100.2\\ 1375.3\\ \end{array}$ $\begin{array}{c} 116.3\\ 80.0\\ 221.2\\ 113.8\\ 36.1\\ 67.2\\ 60.8\\ 695.5\\ \end{array}$ $\begin{array}{c} 0.0\\ 0.0\\ 4.8\\ 27.2\\ 32.0\\ \end{array}$	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5 0.5 0.0 3.0 24.8 28.3	$\begin{array}{c} 32.1\\ 172.2\\ 64.8\\ 52.5\\ 863.3\\ 51.2\\ 100.2\\ 154.7\\ 42.2\\ 6.5\\ 49.1\\ 15.1\\ 419.0\\ 1.3\\ 0.0\\ 1.5\\ 26.1\\ 28.8\\ \end{array}$
N. shoveler N. pintail Subtotal Divers Redhead Canvasback Scaups Ring-necked duck Goldeneyes Bufflehead Ruddy Duck Subtotal Miscellaneous Oldsquaw Eiders Scoters Mergansers Subtotal Total Ducks	225.2 99.9 45.8 842.6 51.3 60.4 155.6 42.7 66.7 41.7 44.5 462.8 0.0 0.0 3.6 35.6 39.2 1344.7	$\begin{array}{c} 55.4\\ 386.0\\ 165.5\\ 124.0\\ 1332.5\\ \end{array}\\ \begin{array}{c} 38.3\\ 57.1\\ 309.1\\ 34.5\\ 22.8\\ 31.9\\ 69.9\\ 563.7\\ \end{array}\\ \begin{array}{c} 0.0\\ 0.0\\ 0.3\\ 28.0\\ 28.3\\ 1924.5\\ \end{array}$	$\begin{array}{c} 46.2\\ 291.5\\ 115.6\\ 77.9\\ 974.5\\ 52.2\\ 42.5\\ 169.5\\ 55.5\\ 33.8\\ 40.3\\ 81.0\\ 474.8\\ 0.0\\ 0.0\\ 1.6\\ 23.6\\ 25.2\\ 1474.5\\ \end{array}$	$\begin{array}{c} 369.0\\ 122.8\\ 36.4\\ 1021.0\\ \\ 53.6\\ 56.0\\ 151.1\\ 57.2\\ 34.5\\ 33.1\\ 68.1\\ 453.7\\ \\ 0.0\\ 0.0\\ 3.4\\ 28.3\\ 31.6\\ 1506.3\\ \end{array}$	$\begin{array}{c} 40.4\\ 314.5\\ 79.2\\ 19.6\\ 894.9\\ \hline 33.5\\ 53.4\\ 101.9\\ 33.8\\ 21.1\\ 33.8\\ 57.9\\ 335.4\\ \hline 0.0\\ 0.0\\ 0.2\\ 25.1\\ 25.3\\ 1255.6\\ \end{array}$	$\begin{array}{c} 41.2\\ 343.1\\ 95.2\\ 57.4\\ 1078.4\\ \\ 85.0\\ 68.5\\ 152.9\\ 49.3\\ 40.6\\ 35.6\\ 72.7\\ 504.6\\ \\ 0.0\\ 0.3\\ 47.8\\ 48.1\\ 1631.2\\ \end{array}$	$\begin{array}{c} 272.2\\ 88.9\\ 26.6\\ 902.6\\ 99.9\\ 65.3\\ 101.4\\ 47.4\\ 15.0\\ 48.2\\ 80.5\\ 457.6\\ 0.0\\ 0.0\\ 1.8\\ 23.6\\ 25.3\\ 1385.6\\ \end{array}$	$\begin{array}{c} 138.5\\ 430.4\\ 151.3\\ 100.2\\ 1375.3\\ \end{array}$ $\begin{array}{c} 116.3\\ 80.0\\ 221.2\\ 113.8\\ 36.1\\ 67.2\\ 60.8\\ 695.5\\ \end{array}$ $\begin{array}{c} 0.0\\ 0.0\\ 4.8\\ 27.2\\ 32.0\\ 2102.8\\ \end{array}$	24.5 355.6 79.5 40.5 981.1 44.2 69.5 123.0 52.6 24.8 28.0 74.6 416.5 0.5 0.0 3.0 24.8 28.3 1426.0	$\begin{array}{c} 32.1\\ 172.2\\ 64.8\\ 52.5\\ 863.3\\ 51.2\\ 100.2\\ 154.7\\ 42.2\\ 6.5\\ 49.1\\ 15.1\\ 419.0\\ 1.3\\ 0.0\\ 1.5\\ 26.1\\ 28.8\\ 1311.1\\ \end{array}$

Appendix 1 (continued). Long-term trend in adjusted waterfowl breeding population estimates (thousands).

Species/Ponds	1995	1996	1997	1998	1999	2000	2001	
Ducks								
Dabblers								
Mallard	514.8	439.6	502.2	507.2	585.6	455.7	476.0	
Am. black duck	0.6	0.0	0.0	0.7	0.0	3.0	0.0	
Gadwall	94.4	106.1	97.7	106.1	118.1	90.9	114.1	
Am. wigeon	50.4	50.9	41.8	34.0	42.8	42.0	22.2	
Am. green-winged teal	55.6	132.0	75.5	48.7	48.9	63.5	33.7	
Blue-winged teal	328.9	340.4	326.0	303.9	497.6	401.0	520.6	
N. shoveler	172.8	187.4	166.5	115.4	169.5	194.0	215.2	
N. pintail	123.8	85.4	65.0	64.9	62.8	45.7	100.7	
Subtotal	1341.2	1341.7	1274.7	1180.8	1525.3	1295.9	1482.5	
Divers								
Redhead	133.5	89.7	79.4	170.7	87.4	125.6	124.5	
Canvasback	111.3	115.6	90.7	88.9	98.1	94.8	74.4	
Scaups	183.9	215.0	116.4	77.2	120.6	83.4	88.3	
Ring-necked duck	46.2	45.4	49.5	41.1	37.1	70.7	66.5	
Goldeneyes	41.3	64.6	40.0	51.9	44.0	50.7	52.5	
Bufflehead	50.7	36.5	63.0	47.7	62.2	46.0	46.5	
Ruddy Duck	47.5	40.7	39.1	15.7	56.0	48.8	66.2	
Subtotal	614.4	607.6	478.2	493.1	505.5	519.9	519.0	
Miscellaneous								
Oldsquaw	0.5	0.0	0.0	0.9	0.0	0.0	0.0	
Eiders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Scoters	0.7	1.4	3.4	3.0	0.8	0.7	0.0	
Mergansers	14.1	32.2	67.4	18.5	50.7	31.8	38.7	
Subtotal	15.2	33.6	70.8	22.4	51.5	32.5	38.7	
Total Ducks	1970.9	1982.9	1823.6	1696.3	2082.3	1848.3	2040.2	
Canada Goose	62.1	66.9	79.2	60.3	50.9	57.3	53.9	
Am. coot	199.7	284.9	288.5	537.4	182.4	410.2	346.1	
Ponds	889.4	829.8	968.5	492.1	610.7	465.7	785.8	

Appendix 1 (continued). Long-term trend in adjusted waterfowl breeding population estimates (thousands).

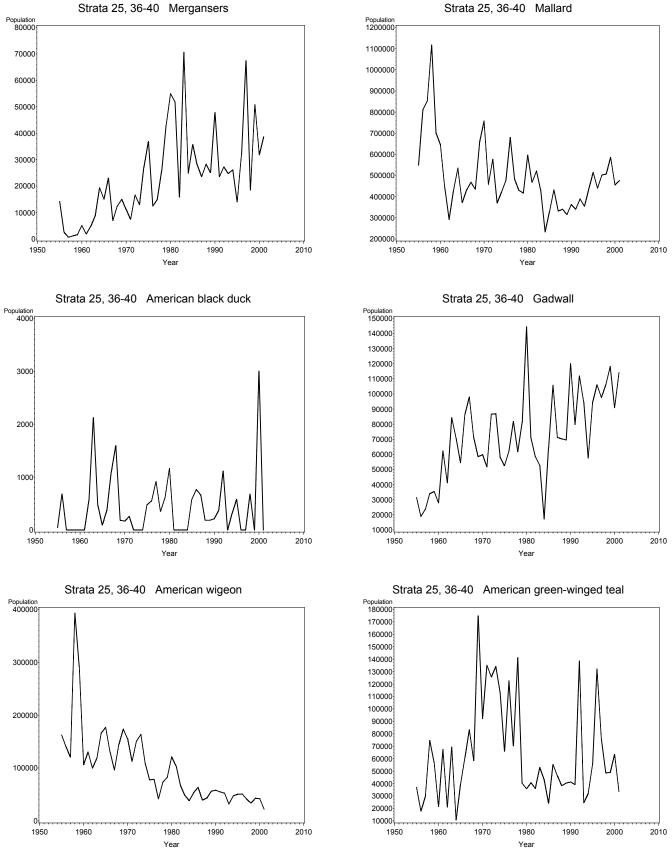
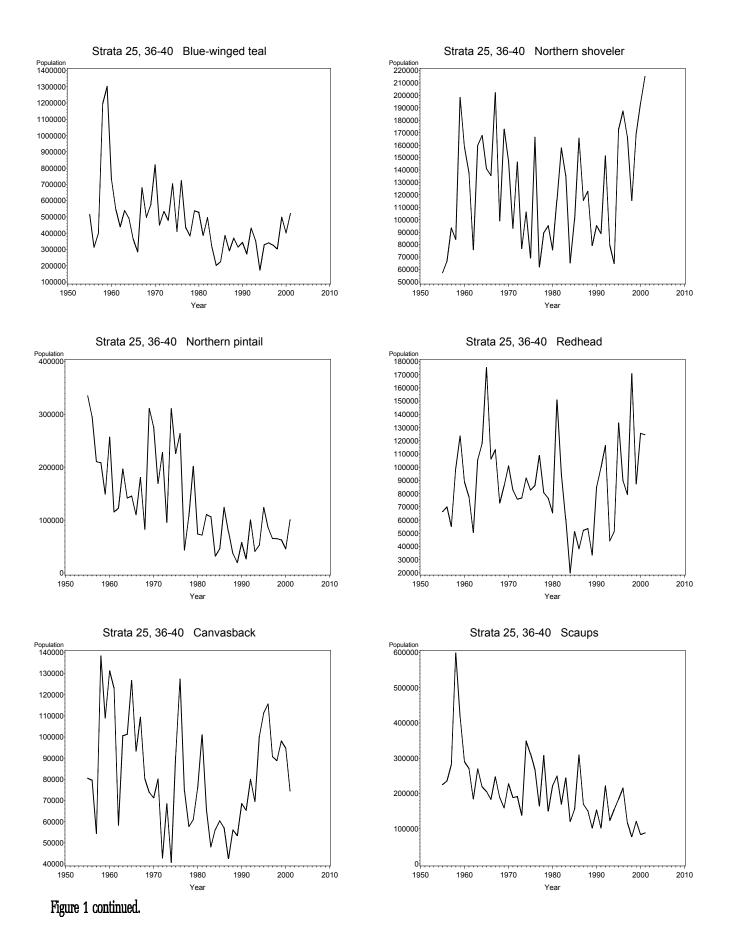


Figure 1. Population indices for the individual waterfowl species and ponds on an annual basis.



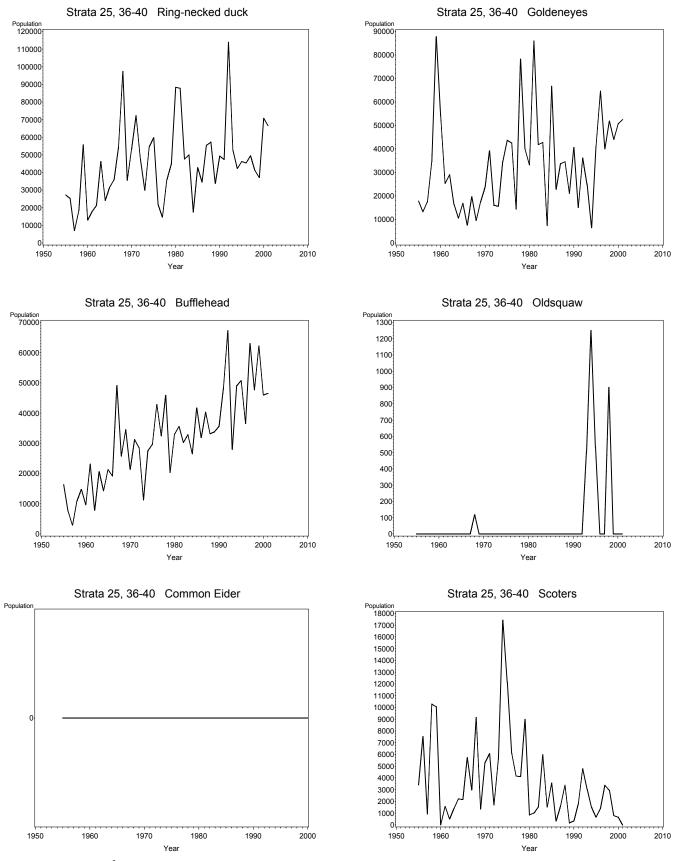


Figure 1 continued.

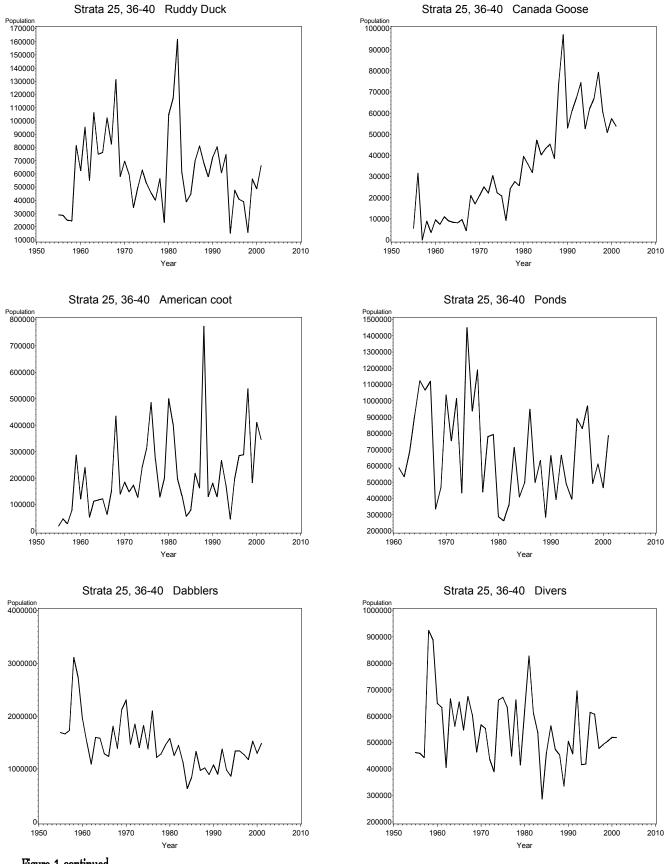
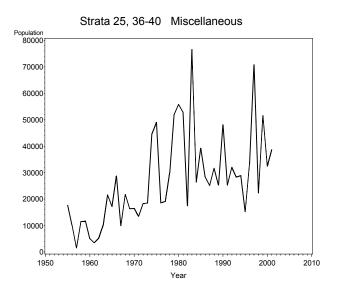


Figure 1 continued.



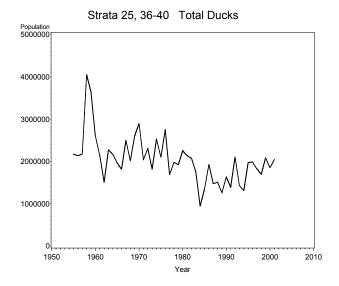


Figure 1 continued.