

WINGBEE 2020

Flint Hills National Wildlife Refuge
Hartford, Kansas

57TH YEAR

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PRELIMINARY RESULTS

compiled by:

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February 18 - 21, 2020



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Division of Migratory Bird Management
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March 27, 2020

To: 2020 Central Flyway Wingbee Participants

From: Central Flyway Representative, Lakewood, CO
Chief, Branch of Monitoring and Data Management, Laurel, MD

Re: 2020 Central Flyway Wingbee Preliminary Results

Kathy and I would like to express our appreciation for your participation in the 57th Central Flyway Wingbee that was held at the Flint Hills National Wildlife Refuge. Your hard work helped make it a very successful operation again this year. This year 47 attendees examined 20,787 parts, about 3,300 more than last year (17,505). The total number of duck wings (17,398) was almost 3,000 higher than that of last year (14,441), whereas the goose parts (3,389) were only slightly higher than last year (3,064).

We have enclosed a preliminary, unverified report that includes the unweighted results of our collective efforts: a summary of the species composition of the duck wings and goose tails/wingtips we examined, the age and sex composition of the flyway-wide sample of the most important species, the age and sex composition at the state level, and table of historical participation in Central Flyway Wingbees.

Please let us know if there is any additional information that you would like, and again thanks for your help. We hope to see you at a future Wingbee!

Jim Dubovsky & Kathy Fleming
Division of Migratory Bird Management

cc: Central Flyway Waterfowl Technical Committee



**WINGBEE PARTICIPATION
CENTRAL FLYWAY
Hartford, Kansas
2020**

COLORADO

Gammonley, Jim

KANSAS

Bidrowski, Tom
Black, Jason
Friesen, Andy
Harbit, Justin
Karrow, Karl
Manbeck, Monte
Schultheis, Rich

NEBRASKA

Stutheit, Randy
Sulliva, Mark
Vrtiska, Mark
Widhelm, Josh

NEW MEXICO

Cline, Mason

NORTH DAKOTA

Dinges, Andy
Stechman, Tanner
Szymanski, Mike

OKLAHOMA

Morris, Cody
Neal, Jeff
Richardson, Josh
Schoonover, Kelvin

SOUTH DAKOTA

Grovijahn, Mark
Murano, Rocco

TEXAS

Assenheimer, Ryan
Butler, David
Hand, Kyle
Kraai, Kevin
Kriegel, Kevin
Love, Ernest
McDowell, Stephen
White, Jacob

WYOMING

May, Luke
Smith, Noelle

OTHER

Anchor, Cynthia
Biemser, Katharina
Doherty, Paul
Malanchuk, Boomer
Warhurst, Rick

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Catino, Stephanie
Chandler, Stephen
Dooley, Josh
Dubovsky, Jim
Fleming, Kathy
Liddick, Terry
Menard, Tim
Stephenson, Phillip
Thornton, Chris
Thorpe, Phil

CENTRAL FLYWAY WINGBEE PARTICIPATION 1965 - 2020

YEAR	CO	KS	MT	NE	NM	ND	OK	SD	TX	WY	FWS	OTHER	TOTAL
1965	23	1	0	4	0	3	0	1	2	3	10	8	55
1966	27	0	0	4	0	4	4	0	0	4	26	4	69
1967	7	1	0	4	0	4	1	1	0	2	27	5	52
1968	13	0	0	4	0	3	0	2	3	6	23	3	57
1969	4	0	0	4	0	3	0	1	1	4	10	0	28
1970	7	1	1	4	1	4	1	2	1	4	12	0	38
1971	7	0	0	3	1	4	0	6	2	3	13	0	39
1972	4	1	0	5	0	4	2	5	1	0	16	0	38
1973	6	2	0	5	0	4	1	5	1	0	14	1	38
1974	4	2	0	6	0	4	1	5	1	1	21	0	45
1975	4	2	0	6	0	1	0	1	4	3	12	1	34
1976	5	0	0	6	0	1	1	1	0	1	13	3	28
1977	16	1	0	2	0	1	1	1	0	2	15	3	42
1978	8	1	1	6	0	0	1	1	0	1	13	3	35
1979	6	2	0	5	1	3	1	1	0	0	14	0	33
1980	6	2	0	3	0	3	1	1	0	0	13	3	32
1981	8	2	0	4	0	1	1	1	0	0	15	5	37
1982	5	0	1	3	1	3	1	2	2	0	19	7	44
1983	5	0	0	2	0	1	0	2	2	0	13	2	27
1984	6	2	0	2	0	4	0	4	2	4	12	2	38
1985	4	2	0	2	0	4	1	2	0	4	10	1	30
1986	1	2	0	3	4	4	0	2	2	6	11	4	39
1987	2	0	0	2	3	4	0	2	1	0	14	3	35
1988	2	2	0	2	2	4	1	2	1	1	17	0	33
1989	2	2	0	2	3	4	0	2	1	2	16	0	34
1990	0	2	0	2	1	3	2	2	2	0	18	0	32
1991	2	1	0	2	1	4	1	2	2	0	16	0	31
1992	1	9	0	4	0	3	1	2	2	0	18	1	41
1993	0	5	0	4	0	2	1	4	2	0	19	0	41
1994	1	10	0	4	0	1	2	3	3	1	14	3	42
1995	0	11	0	4	0	3	2	2	2	1	14	3	42
1996	1	7	0	6	0	1	4	3	2	1	14	5	44
1997	1	5	4	3	1	2	2	3	1	1	13	8	44
1998	2	5	0	4	0	1	1	3	0	1	17	5	40
1999	1	11	0	4	0	1	3	4	4	1	15	3	47
2000	0	4	0	4	1	1	2	2	6	1	16	6	43
2001	1	5	0	4	0	1	3	2	3	1	14	4	38
2002	0	4	1	4	1	4	3	3	6	1	17	2	46
2003	0	8	0	4	0	2	3	3	2	1	17	3	43
2004	1	13	0	2	0	1	3	3	2	1	13	5	44
2005	0	9	0	4	1	4	3	3	2	1	16	1	44
2006	0	9	0	4	0	3	4	3	3	1	17	2	46
2007	1	9	0	2	0	3	3	3	3	1	15	3	43
2008	1	3	0	5	2	2	3	4	3	1	13	3	41
2009	0	14	0	4	2	2	3	0	4	1	14	2	46
2010	0	4	0	3	2	2	5	1	6	1	15	2	41
2011	1	5	0	4	0	3	4	2	5	0	14	2	40
2012	1	5	0	7	0	3	4	2	5	1	18	0	46
2013	1	11	0	6	0	2	3	2	5	1	15	2	48
2014	1	4	0	5	1	4	4	2	5	1	17	3	47
2015	1	9	0	4	2	3	4	2	5	1	11	2	44
2016	1	9	0	2	1	3	4	2	4	1	11	2	43
2017	1	5	1	5	2	2	4	2	7	2	10	3	43
2018	1	6	1	6	2	4	3	2	10	2	14	3	54
2019	1	8	0	5	2	2	3	2	10	2	12	5	52
2020	1	7	0	4	1	3	4	2	8	2	10	5	47
TOTAL	204	245	12	217	44	149	106	128	151	81	836	146	2319
Current 10 yr AVG	1.0	6.9	0.2	5.0	1.1	2.9	3.7	2.0	6.4	1.3	13.2	2.7	46.4
Overall AVG	3.6	4.4	0.2	3.9	0.8	2.7	1.9	2.3	2.7	1.4	14.9	2.6	41.4

Preliminary 2019-2020 Central Flyway Wingbee Results

Number of parts processed at the wingbee

AOU	Species	Common name	Number of parts
1300	RBME	Red-Breasted Merganser	1
1310	HOME	Hooded Merganser	23
1320	MALL	Mallard	4,973
1330	ABDU	American Black Duck	3
1331	MEDU	Mexican-like Duck	12
1340	MODU	Mottled Duck	28
1350	GADW	Gadwall	2,529
1360	EUWI	Eurasian Wigeon	2
1370	AMWI	American Wigeon	1,015
1390	AGWT	American Green-Winged Teal	1,970
1401	BCTE	Blue-Winged/Cinnamon Teal	2,437
1420	NSHO	Northern Shoveler	1,012
1430	NOPI	Northern Pintail	555
1440	WODU	Wood Duck	549
1460	REDH	Redhead	670
1470	CANV	Canvasback	145
1480	GRSC	Greater Scaup	25
1490	LESC	Lesser Scaup	441
1500	RNDU	Ring-Necked Duck	528
1510	COGO	Common Goldeneye	110
1520	BAGO	Barrow's Goldeneye	13
1530	BUFF	Bufflehead	248
1550	HARD	Harlequin Duck	1
1560	MIHY	Miscellaneous Hybrid	5
1660	SUSC	Surf Scoter	1
1670	RUDU	Ruddy Duck	90
1690	SGWH	Snow Goose (white)	254
1691	SGBL	Snow Goose (blue)	125
1700	ROGO	Ross' Goose	68
1710	GWFG	Greater White-Fronted Goose	117
1720	CAGO	Canada Goose	2,820
1750	MIGO	Miscellaneous Goose	5
1770	BBWD	Black-Bellied Whistling Duck	11
1780	FUWD	Fulvous Whistling Duck	1
		Total	20,787

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Mallard

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	0.89	0.69	1.72	1.66	1.66	284
KS	0.48	0.40	1.42	3.35	3.35	688
MT	1.12	0.95	2.67	3.25	3.25	194
NE	1.06	0.84	3.48	2.61	2.61	714
NM	2.34	1.94	3.78	1.83	1.83	352
ND	1.64	1.24	3.66	1.73	1.73	1,210
OK	0.50	0.38	1.35	1.91	1.91	580
SD	1.99	1.70	4.44	3.21	3.21	707
TX	0.69	0.47	2.38	1.60	1.60	323
WY	0.61	0.42	2.85	1.76	1.76	273
CF	0.94	0.72	2.46	2.12	2.12	5,325

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Gadwall

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	2.50	3.09	2.00	1.31	1.31	84
KS	1.71	1.36	2.59	1.30	1.30	161
MT	21.00	9.00	--	0.75	0.75	45
NE	1.91	1.57	2.43	0.97	0.97	102
NM	0.70	0.56	1.18	1.69	1.69	85
ND	2.18	1.77	2.90	1.13	1.13	803
OK	0.77	0.63	1.25	1.67	1.67	281
SD	2.34	1.56	4.27	0.91	0.91	261
TX	0.93	0.61	1.97	1.01	1.01	1,014
WY	3.42	4.38	2.55	1.25	1.25	84
CF	1.27	0.91	2.27	1.11	1.11	2,920

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for American Wigeon

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	3.67	2.11	--	1.36	1.36	42
KS	1.11	0.82	2.40	1.50	1.50	57
MT	4.40	4.00	4.67	0.57	0.57	27
NE	1.33	1.11	2.00	1.67	1.67	56
NM	0.84	0.65	1.44	1.48	1.48	125
ND	1.46	1.06	2.65	1.18	1.18	224
OK	0.96	0.78	1.78	1.94	1.94	96
SD	2.33	1.95	3.00	1.12	1.12	100
TX	0.83	0.48	2.17	0.85	0.85	319
WY	1.84	1.22	2.40	0.46	0.46	54
CF	1.15	0.77	2.48	1.08	1.08	1,100

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for American Green-Winged Teal

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	2.38	1.89	3.50	1.21	1.21	45
KS	2.24	2.00	3.17	2.47	2.47	195
MT	4.00	6.00	3.00	1.00	1.00	15
NE	2.57	2.68	2.35	2.46	2.46	296
NM	1.26	1.23	1.31	1.59	1.59	79
ND	2.71	2.17	3.86	1.20	1.20	271
OK	2.22	1.74	6.60	2.42	2.42	168
SD	1.82	1.85	1.77	1.62	1.62	160
TX	1.50	1.06	2.81	1.12	1.12	859
WY	5.75	6.00	5.50	1.09	1.09	29
CF	1.81	1.41	2.95	1.40	1.40	2,117

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Blue-Winged/Cinnamon Teal

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	4.50	13.00	1.67	2.60	2.60	22
KS	1.73	1.47	2.09	0.95	0.95	230
MT	2.00	5.00	1.00	1.67	1.67	25
NE	3.31	2.94	3.92	1.20	1.20	541
NM	5.20	5.33	5.00	1.60	1.60	31
ND	3.91	4.95	3.31	0.86	0.86	531
OK	1.44	1.00	3.00	1.17	1.17	22
SD	3.88	4.16	3.70	0.71	0.71	244
TX	1.10	0.88	1.68	1.38	1.38	1,072
WY	3.00	4.25	2.17	1.31	1.31	40
CF	1.65	1.34	2.24	1.15	1.15	2,758

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Northern Shoveler

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	2.00	2.50	1.00	5.00	5.00	9
KS	3.35	3.25	3.50	1.39	1.39	87
MT	6.50	--	3.00	1.17	1.17	15
NE	2.00	1.53	3.00	1.10	1.10	67
NM	0.71	0.46	1.50	1.00	1.00	31
ND	4.05	3.83	4.30	1.07	1.07	335
OK	4.56	2.44	--	1.16	1.16	50
SD	4.78	4.35	5.42	1.34	1.34	187
TX	1.90	1.55	2.51	1.08	1.08	391
WY	2.50	1.00	4.00	0.25	0.25	14
CF	2.62	2.21	3.32	1.13	1.13	1,186

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Northern Pintail

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	--	--	--	0.67	0.67	5
KS	1.29	0.92	3.50	1.57	1.57	32
MT	--	--	--	--	--	2
NE	1.92	2.50	1.00	4.00	4.00	38
NM	0.94	0.67	5.00	2.00	2.00	31
ND	2.81	2.19	4.42	1.28	1.28	165
OK	1.90	1.33	7.00	1.71	1.71	31
SD	2.30	2.50	2.00	1.88	1.88	100
TX	0.89	0.55	2.70	1.09	1.09	241
WY	--	--	--	0.33	0.33	4
CF	1.36	0.95	3.09	1.32	1.32	649

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Wood Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	2.50	2.00	--	4.00	4.00	7
KS	2.14	1.80	3.00	1.50	1.50	22
MT	1.50	2.50	1.00	1.25	1.25	15
NE	7.25	5.50	--	3.14	3.14	33
NM	1.20	1.00	--	5.00	5.00	11
ND	0.62	0.27	2.50	0.60	0.60	42
OK	2.18	2.13	2.33	2.43	2.43	35
SD	1.16	0.82	1.88	0.93	0.93	54
TX	1.83	1.65	2.40	2.33	2.33	318
WY	1.20	0.67	2.00	0.50	0.50	11
CF	1.74	1.54	2.34	2.09	2.09	548

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Mottled Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
TX	1.64	1.25	2.67	1.25	1.25	30
CF	1.64	1.25	2.67	1.25	1.25	30

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Mexican-like Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
NM	0.43	0.50	0.33	2.00	2.00	10
TX	0.00	0.00	--	--	--	1
CF	0.26	0.24	0.33	2.00	2.00	11

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Redhead

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	1.00	1.00	1.00	1.00	1.00	4
KS	1.44	0.89	2.00	0.44	0.44	45
MT	5.00	--	3.00	0.67	0.67	6
NE	2.38	2.67	2.00	1.71	1.71	54
NM	1.75	2.33	0.00	--	--	11
ND	2.45	2.45	2.45	1.45	1.45	340
OK	1.57	1.40	2.00	1.75	1.75	19
SD	2.04	2.61	1.46	1.71	1.71	146
TX	1.63	1.34	2.54	1.62	1.62	280
WY	1.00	--	0.25	3.00	3.00	8
CF	1.90	1.73	2.24	1.49	1.49	913

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Canvasback

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	3.00	1.00	--	0.50	0.50	4
KS	1.00	0.33	--	0.50	0.50	6
NE	0.25	0.00	0.50	0.00	0.00	5
NM	3.00	2.00	--	2.00	2.00	4
ND	1.34	1.21	1.45	1.06	1.06	117
OK	2.00	--	1.00	1.00	1.00	6
SD	0.83	0.60	2.00	1.50	1.50	33
TX	1.15	1.14	1.17	1.14	1.14	28
WY	--	--	--	3.00	3.00	4
CF	1.26	1.09	1.49	1.07	1.07	207

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Greater Scaup

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
ND	--	--	--	--	--	1
SD	--	--	--	1.00	1.00	2
TX	0.56	0.42	1.00	1.25	1.25	25
CF	0.65	0.50	1.10	1.36	1.36	28

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Lesser Scaup

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	0.50	0.50	--	--	--	3
KS	3.50	2.50	--	2.50	2.50	10
MT	--	--	--	0.00	0.00	2
NE	1.50	1.00	2.00	0.50	0.50	5
NM	1.00	0.00	2.00	0.00	0.00	4
ND	0.75	0.57	1.33	1.36	1.36	338
OK	3.00	6.00	0.00	--	--	8
SD	0.71	0.65	1.00	2.86	2.86	65
TX	0.95	0.83	1.30	1.93	1.93	183
WY	2.00	--	0.00	--	--	3
CF	0.87	0.73	1.33	1.72	1.72	621

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Ring-Necked Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	2.50	4.00	1.00	4.00	4.00	8
KS	1.00	0.85	--	11.00	11.00	28
MT	1.00	1.00	--	--	--	2
NE	2.13	2.17	2.00	3.25	3.25	25
NM	1.50	2.00	1.00	2.00	2.00	5
ND	1.53	1.05	4.29	1.40	1.40	121
OK	0.79	0.83	0.64	3.89	3.89	101
SD	1.45	1.16	3.33	2.20	2.20	54
TX	1.32	0.83	2.96	0.97	0.97	251
WY	1.00	1.00	--	--	--	4
CF	1.23	0.92	2.38	1.45	1.45	599

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Common Goldeneye

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	2.00	2.00	--	--	--	3
KS	0.78	0.25	1.20	0.17	0.17	16
MT	0.60	0.00	1.50	0.00	0.00	8
NE	0.80	0.20	--	0.33	0.33	9
NM	--	--	--	0.00	0.00	2
ND	0.09	0.00	0.50	0.00	0.00	12
OK	--	--	--	--	--	1
SD	0.67	0.00	2.00	0.00	0.00	5
TX	3.00	--	2.50	0.20	0.20	8
WY	2.00	1.50	--	3.00	3.00	12
CF	0.90	0.41	1.76	0.41	0.41	76

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Barrow's Goldeneye

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
MT	--	--	--	--	--	1
CF	--	--	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Bufflehead

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	1.50	2.00	1.00	2.00	2.00	5
KS	2.33	15.00	0.75	2.50	2.50	30
MT	--	--	--	1.00	1.00	2
NE	0.00	0.00	--	--	--	2
NM	0.93	0.44	1.80	0.44	0.44	27
ND	0.53	0.33	1.06	0.89	0.89	101
OK	0.00	0.00	0.00	--	--	3
SD	0.52	0.21	2.20	0.55	0.55	50
TX	2.18	1.00	7.67	0.61	0.61	54
WY	0.00	--	0.00	--	--	1
CF	1.03	0.65	1.99	0.85	0.85	275

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Ruddy Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
KS	--	--	--	--	--	4
MT	--	--	--	--	--	2
NE	--	--	--	--	--	9
NM	1.00	--	--	--	--	4
ND	2.60	--	--	--	--	54
SD	6.00	--	--	--	--	31
TX	1.60	--	--	--	--	13
WY	--	--	--	--	--	1
CF	3.07	--	--	--	--	118

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Common Merganser

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
MT	0.00	0.00	--	--	--	2
CF	0.00	0.00	--	--	--	2

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Red-Breasted Merganser

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
TX	--	--	--	--	--	1
CF	--	--	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Hooded Merganser

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
KS	2.00	0.00	--	--	--	3
NE	0.00	--	0.00	--	--	1
ND	0.17	0.00	0.00	--	--	14
OK	0.00	0.00	--	--	--	1
SD	4.00	--	0.00	--	--	5
TX	0.00	0.00	--	--	--	1
CF	0.39	0.00	0.00	--	--	25

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Fulvous Whistling Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
TX	--	--	--	--	--	1
CF	--	--	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Black-Bellied Whistling Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
TX	2.67	--	--	--	--	11
CF	2.67	--	--	--	--	11

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for American Black Duck

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
SD	0.00	0.00	--	--	--	1
CF	0.00	0.00	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Miscellaneous Hybrid

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	--	--	--	--	--	1
NM	--	--	--	--	--	1
SD	--	--	--	--	--	3
CF	--	--	--	--	--	5

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Eurasian Wigeon

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
CO	--	--	--	0.00	0.00	1
CF	--	--	--	0.00	0.00	1

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Muscovy

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
ND	0.00	--	--	--	--	1
CF	0.00	--	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

Species report for Mallard (Domestic)

St	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
NE	0.00	0.00	--	--	--	1
CF	0.00	0.00	--	--	--	1

**Hand Tally Central Flyway Wingbee, 2019-2020
Number of Tail Fans Received (Immatures:Adults)**

State	SNOW	Ross's	WFG	Small Canadas	Large Canadas		CAGO Unknowns
					Western	Eastern	
CO	2:13	0:1		31:111	38:150		1
KS	10:46	7:2	11:13	26:59		41:113	2
MT	2:0		1:0	2:18	144:229		3
ND	47:96	18:9	7:17	12:31		121:493	7
NE	2:4		1:3	13:60		130:383	3
NM	0:1				5:7		0
OK	4:3	2:1	0:2	15:30		22:46	3
SD	30:66	12:5	3:12	1:10		70:194	32
TX	32:67	5:13	18:30	17:29		5:19	2
WY	2:0	1:0		3:12	22:71		2
Unknown age	2	1	0	3	3		55 Tot. unk

Immature	131	45	41	120	209	389
Adult	296	31	77	360	457	1248
Total	427	76	118	480	666	1637
I/A	0.4426	1.4516	0.5325	0.3333	0.4573	0.3117

Total Unknown Size Canadas 55
Total Unk. Age known Geese 9
Total Known Tails 3,404
Total Tails 3,468

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Central Flyway Total

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Common Merganser	0.00	0.00	--	--	--	2
Red-Breasted Merganser	--	--	--	--	--	1
Hooded Merganser	0.39	0.00	0.00	--	--	25
Mallard	0.94	0.72	2.46	2.12	2.12	5,325
Mallard (Domestic)	0.00	0.00	--	--	--	1
American Black Duck	0.00	0.00	--	--	--	1
Mexican-like Duck	0.26	0.24	0.33	2.00	2.00	11
Mottled Duck	1.64	1.25	2.67	1.25	1.25	30
Gadwall	1.27	0.91	2.27	1.11	1.11	2,920
Eurasian Wigeon	--	--	--	0.00	0.00	1
American Wigeon	1.15	0.77	2.48	1.08	1.08	1,100
American Green-Winged Teal	1.81	1.41	2.95	1.40	1.40	2,117
Blue-Winged/Cinnamon Teal	1.65	1.34	2.24	1.15	1.15	2,758
Muscovy	0.00	--	--	--	--	1
Northern Shoveler	2.62	2.21	3.32	1.13	1.13	1,186
Northern Pintail	1.36	0.95	3.09	1.32	1.32	649
Wood Duck	1.74	1.54	2.34	2.09	2.09	548
Redhead	1.90	1.73	2.24	1.49	1.49	913
Canvasback	1.26	1.09	1.49	1.07	1.07	207
Greater Scaup	0.65	0.50	1.10	1.36	1.36	28
Lesser Scaup	0.87	0.73	1.33	1.72	1.72	621
Ring-Necked Duck	1.23	0.92	2.38	1.45	1.45	599
Common Goldeneye	0.90	0.41	1.76	0.41	0.41	76
Barrow's Goldeneye	--	--	--	--	--	1
Bufflehead	1.03	0.65	1.99	0.85	0.85	275
Miscellaneous Hybrid	--	--	--	--	--	5
Ruddy Duck	3.07	--	--	--	--	118
Snow Goose (white)	0.32	--	--	--	--	290
Snow Goose (blue)	0.85	--	--	--	--	139
Ross' Goose	0.90	--	--	--	--	77
Greater White-Fronted Goose	0.56	--	--	--	--	118
Canada Goose	0.35	--	--	--	--	2,844
Miscellaneous Goose	--	--	--	--	--	5
Black-Bellied Whistling Duck	2.67	--	--	--	--	11
Fulvous Whistling Duck	--	--	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Colorado

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Mallard	0.89	0.69	1.72	1.66	1.66	284
Gadwall	2.50	3.09	2.00	1.31	1.31	84
Eurasian Wigeon	--	--	--	0.00	0.00	1
American Wigeon	3.67	2.11	--	1.36	1.36	42
American Green-Winged Teal	2.38	1.89	3.50	1.21	1.21	45
Blue-Winged/Cinnamon Teal	4.50	13.00	1.67	2.60	2.60	22
Northern Shoveler	2.00	2.50	1.00	5.00	5.00	9
Northern Pintail	--	--	--	0.67	0.67	5
Wood Duck	2.50	2.00	--	4.00	4.00	7
Redhead	1.00	1.00	1.00	1.00	1.00	4
Canvasback	3.00	1.00	--	0.50	0.50	4
Lesser Scaup	0.50	0.50	--	--	--	3
Ring-Necked Duck	2.50	4.00	1.00	4.00	4.00	8
Common Goldeneye	2.00	2.00	--	--	--	3
Bufflehead	1.50	2.00	1.00	2.00	2.00	5
Miscellaneous Hybrid	--	--	--	--	--	1
Snow Goose (white)	0.17	--	--	--	--	14
Snow Goose (blue)	0.00	--	--	--	--	1
Ross' Goose	0.00	--	--	--	--	1
Canada Goose	0.26	--	--	--	--	331

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Kansas

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Hooded Merganser	2.00	0.00	--	--	--	3
Mallard	0.48	0.40	1.42	3.35	3.35	688
Gadwall	1.71	1.36	2.59	1.30	1.30	161
American Wigeon	1.11	0.82	2.40	1.50	1.50	57
American Green-Winged Teal	2.24	2.00	3.17	2.47	2.47	195
Blue-Winged/Cinnamon Teal	1.73	1.47	2.09	0.95	0.95	230
Northern Shoveler	3.35	3.25	3.50	1.39	1.39	87
Northern Pintail	1.29	0.92	3.50	1.57	1.57	32
Wood Duck	2.14	1.80	3.00	1.50	1.50	22
Redhead	1.44	0.89	2.00	0.44	0.44	45
Canvasback	1.00	0.33	--	0.50	0.50	6
Lesser Scaup	3.50	2.50	--	2.50	2.50	10
Ring-Necked Duck	1.00	0.85	--	11.00	11.00	28
Common Goldeneye	0.78	0.25	1.20	0.17	0.17	16
Bufflehead	2.33	15.00	0.75	2.50	2.50	30
Ruddy Duck	--	--	--	--	--	4
Snow Goose (white)	0.23	--	--	--	--	49
Snow Goose (blue)	0.17	--	--	--	--	7
Ross' Goose	3.50	--	--	--	--	9
Greater White-Fronted Goose	0.85	--	--	--	--	24
Canada Goose	0.39	--	--	--	--	241

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Montana

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Common Merganser	0.00	0.00	--	--	--	2
Mallard	1.12	0.95	2.67	3.25	3.25	194
Gadwall	21.00	9.00	--	0.75	0.75	45
American Wigeon	4.40	4.00	4.67	0.57	0.57	27
American Green-Winged Teal	4.00	6.00	3.00	1.00	1.00	15
Blue-Winged/Cinnamon Teal	2.00	5.00	1.00	1.67	1.67	25
Northern Shoveler	6.50	--	3.00	1.17	1.17	15
Northern Pintail	--	--	--	--	--	2
Wood Duck	1.50	2.50	1.00	1.25	1.25	15
Redhead	5.00	--	3.00	0.67	0.67	6
Lesser Scaup	--	--	--	0.00	0.00	2
Ring-Necked Duck	1.00	1.00	--	--	--	2
Common Goldeneye	0.60	0.00	1.50	0.00	0.00	8
Barrow's Goldeneye	--	--	--	--	--	1
Bufflehead	--	--	--	1.00	1.00	2
Ruddy Duck	--	--	--	--	--	2
Snow Goose (white)	--	--	--	--	--	2
Greater White-Fronted Goose	--	--	--	--	--	1
Canada Goose	0.59	--	--	--	--	396

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Nebraska

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Hooded Merganser	0.00	--	0.00	--	--	1
Mallard	1.06	0.84	3.48	2.61	2.61	714
Mallard (Domestic)	0.00	0.00	--	--	--	1
Gadwall	1.91	1.57	2.43	0.97	0.97	102
American Wigeon	1.33	1.11	2.00	1.67	1.67	56
American Green-Winged Teal	2.57	2.68	2.35	2.46	2.46	296
Blue-Winged/Cinnamon Teal	3.31	2.94	3.92	1.20	1.20	541
Northern Shoveler	2.00	1.53	3.00	1.10	1.10	67
Northern Pintail	1.92	2.50	1.00	4.00	4.00	38
Wood Duck	7.25	5.50	--	3.14	3.14	33
Redhead	2.38	2.67	2.00	1.71	1.71	54
Canvasback	0.25	0.00	0.50	0.00	0.00	5
Lesser Scaup	1.50	1.00	2.00	0.50	0.50	5
Ring-Necked Duck	2.13	2.17	2.00	3.25	3.25	25
Common Goldeneye	0.80	0.20	--	0.33	0.33	9
Bufflehead	0.00	0.00	--	--	--	2
Ruddy Duck	--	--	--	--	--	9
Snow Goose (white)	0.33	--	--	--	--	4
Snow Goose (blue)	1.00	--	--	--	--	2
Greater White-Fronted Goose	0.33	--	--	--	--	4
Canada Goose	0.32	--	--	--	--	589

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for New Mexico

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Mallard	2.34	1.94	3.78	1.83	1.83	352
Mexican-like Duck	0.43	0.50	0.33	2.00	2.00	10
Gadwall	0.70	0.56	1.18	1.69	1.69	85
American Wigeon	0.84	0.65	1.44	1.48	1.48	125
American Green-Winged Teal	1.26	1.23	1.31	1.59	1.59	79
Blue-Winged/Cinnamon Teal	5.20	5.33	5.00	1.60	1.60	31
Northern Shoveler	0.71	0.46	1.50	1.00	1.00	31
Northern Pintail	0.94	0.67	5.00	2.00	2.00	31
Wood Duck	1.20	1.00	--	5.00	5.00	11
Redhead	1.75	2.33	0.00	--	--	11
Canvasback	3.00	2.00	--	2.00	2.00	4
Lesser Scaup	1.00	0.00	2.00	0.00	0.00	4
Ring-Necked Duck	1.50	2.00	1.00	2.00	2.00	5
Common Goldeneye	--	--	--	0.00	0.00	2
Bufflehead	0.93	0.44	1.80	0.44	0.44	27
Miscellaneous Hybrid	--	--	--	--	--	1
Ruddy Duck	1.00	--	--	--	--	4
Snow Goose (white)	0.00	--	--	--	--	1
Canada Goose	0.71	--	--	--	--	12

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for North Dakota

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Hooded Merganser	0.17	0.00	0.00	--	--	14
Mallard	1.64	1.24	3.66	1.73	1.73	1,210
Gadwall	2.18	1.77	2.90	1.13	1.13	803
American Wigeon	1.46	1.06	2.65	1.18	1.18	224
American Green-Winged Teal	2.71	2.17	3.86	1.20	1.20	271
Blue-Winged/Cinnamon Teal	3.91	4.95	3.31	0.86	0.86	531
Muscovy	0.00	--	--	--	--	1
Northern Shoveler	4.05	3.83	4.30	1.07	1.07	335
Northern Pintail	2.81	2.19	4.42	1.28	1.28	165
Wood Duck	0.62	0.27	2.50	0.60	0.60	42
Redhead	2.45	2.45	2.45	1.45	1.45	340
Canvasback	1.34	1.21	1.45	1.06	1.06	117
Greater Scaup	--	--	--	--	--	1
Lesser Scaup	0.75	0.57	1.33	1.36	1.36	338
Ring-Necked Duck	1.53	1.05	4.29	1.40	1.40	121
Common Goldeneye	0.09	0.00	0.50	0.00	0.00	12
Bufflehead	0.53	0.33	1.06	0.89	0.89	101
Ruddy Duck	2.60	--	--	--	--	54
Snow Goose (white)	0.48	--	--	--	--	85
Snow Goose (blue)	0.50	--	--	--	--	60
Ross' Goose	2.00	--	--	--	--	27
Greater White-Fronted Goose	0.41	--	--	--	--	24
Canada Goose	0.25	--	--	--	--	665

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Oklahoma

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Hooded Merganser	0.00	0.00	--	--	--	1
Mallard	0.50	0.38	1.35	1.91	1.91	580
Gadwall	0.77	0.63	1.25	1.67	1.67	281
American Wigeon	0.96	0.78	1.78	1.94	1.94	96
American Green-Winged Teal	2.22	1.74	6.60	2.42	2.42	168
Blue-Winged/Cinnamon Teal	1.44	1.00	3.00	1.17	1.17	22
Northern Shoveler	4.56	2.44	--	1.16	1.16	50
Northern Pintail	1.90	1.33	7.00	1.71	1.71	31
Wood Duck	2.18	2.13	2.33	2.43	2.43	35
Redhead	1.57	1.40	2.00	1.75	1.75	19
Canvasback	2.00	--	1.00	1.00	1.00	6
Lesser Scaup	3.00	6.00	0.00	--	--	8
Ring-Necked Duck	0.79	0.83	0.64	3.89	3.89	101
Common Goldeneye	--	--	--	--	--	1
Bufflehead	0.00	0.00	0.00	--	--	3
Snow Goose (white)	1.00	--	--	--	--	6
Snow Goose (blue)	--	--	--	--	--	1
Ross' Goose	2.00	--	--	--	--	3
Greater White-Fronted Goose	0.00	--	--	--	--	2
Canada Goose	0.49	--	--	--	--	117

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for South Dakota

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Hooded Merganser	4.00	--	0.00	--	--	5
Mallard	1.99	1.70	4.44	3.21	3.21	707
American Black Duck	0.00	0.00	--	--	--	1
Gadwall	2.34	1.56	4.27	0.91	0.91	261
American Wigeon	2.33	1.95	3.00	1.12	1.12	100
American Green-Winged Teal	1.82	1.85	1.77	1.62	1.62	160
Blue-Winged/Cinnamon Teal	3.88	4.16	3.70	0.71	0.71	244
Northern Shoveler	4.78	4.35	5.42	1.34	1.34	187
Northern Pintail	2.30	2.50	2.00	1.88	1.88	100
Wood Duck	1.16	0.82	1.88	0.93	0.93	54
Redhead	2.04	2.61	1.46	1.71	1.71	146
Canvasback	0.83	0.60	2.00	1.50	1.50	33
Greater Scaup	--	--	--	1.00	1.00	2
Lesser Scaup	0.71	0.65	1.00	2.86	2.86	65
Ring-Necked Duck	1.45	1.16	3.33	2.20	2.20	54
Common Goldeneye	0.67	0.00	2.00	0.00	0.00	5
Bufflehead	0.52	0.21	2.20	0.55	0.55	50
Miscellaneous Hybrid	--	--	--	--	--	3
Ruddy Duck	6.00	--	--	--	--	31
Snow Goose (white)	0.33	--	--	--	--	61
Snow Goose (blue)	0.75	--	--	--	--	35
Ross' Goose	2.40	--	--	--	--	18
Greater White-Fronted Goose	0.25	--	--	--	--	15
Canada Goose	0.35	--	--	--	--	311
Miscellaneous Goose	--	--	--	--	--	5

Preliminary 2019-2020 Central Flyway Wingbee Results
State report for Texas

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Red-Breasted Merganser	--	--	--	--	--	1
Hooded Merganser	0.00	0.00	--	--	--	1
Mallard	0.69	0.47	2.38	1.60	1.60	323
Mexican-like Duck	0.00	0.00	--	--	--	1
Mottled Duck	1.64	1.25	2.67	1.25	1.25	30
Gadwall	0.93	0.61	1.97	1.01	1.01	1,014
American Wigeon	0.83	0.48	2.17	0.85	0.85	319
American Green-Winged Teal	1.50	1.06	2.81	1.12	1.12	859
Blue-Winged/Cinnamon Teal	1.10	0.88	1.68	1.38	1.38	1,072
Northern Shoveler	1.90	1.55	2.51	1.08	1.08	391
Northern Pintail	0.89	0.55	2.70	1.09	1.09	241
Wood Duck	1.83	1.65	2.40	2.33	2.33	318
Redhead	1.63	1.34	2.54	1.62	1.62	280
Canvasback	1.15	1.14	1.17	1.14	1.14	28
Greater Scaup	0.56	0.42	1.00	1.25	1.25	25
Lesser Scaup	0.95	0.83	1.30	1.93	1.93	183
Ring-Necked Duck	1.32	0.83	2.96	0.97	0.97	251
Common Goldeneye	3.00	--	2.50	0.20	0.20	8
Bufflehead	2.18	1.00	7.67	0.61	0.61	54
Ruddy Duck	1.60	--	--	--	--	13
Snow Goose (white)	0.27	--	--	--	--	66
Snow Goose (blue)	1.20	--	--	--	--	33
Ross' Goose	0.38	--	--	--	--	18
Greater White-Fronted Goose	0.60	--	--	--	--	48
Canada Goose	0.46	--	--	--	--	72
Black-Bellied Whistling Duck	2.67	--	--	--	--	11
Fulvous Whistling Duck	--	--	--	--	--	1

Preliminary 2019-2020 Central Flyway Wingbee Results

State report for Wyoming

Species	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	Number of Parts
Mallard	0.61	0.42	2.85	1.76	1.76	273
Gadwall	3.42	4.38	2.55	1.25	1.25	84
American Wigeon	1.84	1.22	2.40	0.46	0.46	54
American Green-Winged Teal	5.75	6.00	5.50	1.09	1.09	29
Blue-Winged/Cinnamon Teal	3.00	4.25	2.17	1.31	1.31	40
Northern Shoveler	2.50	1.00	4.00	0.25	0.25	14
Northern Pintail	--	--	--	0.33	0.33	4
Wood Duck	1.20	0.67	2.00	0.50	0.50	11
Redhead	1.00	--	0.25	3.00	3.00	8
Canvasback	--	--	--	3.00	3.00	4
Lesser Scaup	2.00	--	0.00	--	--	3
Ring-Necked Duck	1.00	1.00	--	--	--	4
Common Goldeneye	2.00	1.50	--	3.00	3.00	12
Bufflehead	0.00	--	0.00	--	--	1
Ruddy Duck	--	--	--	--	--	1
Snow Goose (white)	--	--	--	--	--	2
Ross' Goose	--	--	--	--	--	1
Canada Goose	0.30	--	--	--	--	110