

# WINGBEE 2016

Flint Hills National Wildlife Refuge  
Hartford, Kansas

## 53RD YEAR

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## ***PRELIMINARY RESULTS***

compiled by:

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CENTRAL FLYWAY REPRESENTATIVE  
DIVISION OF MIGRATORY BIRD MANAGEMENT  
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**February 16 - 19, 2016**



# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

### Division of Migratory Bird Management

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April 11, 2016

To: 2016 Central Flyway Wingbee Participants

From: Central Flyway Representative, Lakewood, CO  
Chief, Harvest Surveys Section, Laurel, MD

Re: Wingbee Results

Khristi and I would like to express our appreciation for your participation in the 53rd Central Flyway Wingbee, and for your help in celebrating 25 years at the Flint Hills National Wildlife Refuge. Your hard work helped make it a very successful operation again this year. We have enclosed a preliminary, unverified report that includes the unweighted results of our collective efforts: a summary of the species composition of the wings and tails we examined, the age and sex composition of the flyway-wide sample of the most important species, and 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 & Khristi Wilkins  
Division of Migratory Bird Management

cc: Central Flyway Technical Committee

# WINGBEE PARTICIPATION CENTRAL FLYWAY Hartford, Kansas 2016

## **COLORADO**

Gammonley, Jim

## **KANSAS**

Bidrowski, Tom  
Black, Jason  
Cikanek, Tracy  
Elsass, Benjamin  
Friesen, Andy  
Harbit, Justin  
Miller, Cody  
Reisch, Angie  
Schultheis, Rich

## **MONTANA**

## **NEBRASKA**

Hasenauer, Alex  
Johnson, Mitch  
Stutheit, Randy  
Vrtiska, Mark

## **NEW MEXICO**

Cardinal, Casey  
Mower, Kerry

## **NORTH DAKOTA**

Dinges, Andy  
Herigstad, Ryan  
Szymanski, Mike

## **OKLAHOMA**

Haff, Ben  
Neal, Jeff  
Richardson, Josh  
Schoonover, Kelvin

## **SOUTH DAKOTA**

Grovijahn, Mark  
Murano, Rocco

## **TEXAS**

Alford, Lang  
Kraai, Kevin  
Laing, Jared  
Shipes, Clay

## **WYOMING**

Huck, Nate

## **OTHER**

Saake, Norm  
Warhurst, Rick

## **U.S. FISH AND WILDLIFE SER.**

Chandler, Stephen  
Deroche, Ron  
Dooley, Josh  
Dubovsky, Jim  
Hancock, Lyle  
Kruse, Kammie  
Liddick, Terry  
Menard, Tim  
Schmidt, Paige  
Thacker, Tyler  
Thorpe, Phil

# CENTRAL FLYWAY WINGBEE PARTICIPATION 1965 - 2016

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	0	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	1	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	0	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	3	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	8	3	0	2	1	0	14	3	35
1988	1	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	37
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	2	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	1	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	4	2	3	4	2	4	1	11	2	43
<b>TOTAL</b>	<b>200</b>	<b>219</b>	<b>10</b>	<b>197</b>	<b>38</b>	<b>138</b>	<b>92</b>	<b>120</b>	<b>116</b>	<b>73</b>	<b>790</b>	<b>130</b>	<b>2,123</b>
Current 10 yr AVG	0.7	7.5	0.1	4.4	1.0	2.7	3.7	2.1	4.4	0.9	14.5	2.1	44.1
Overall AVG	3.8	4.2	0.2	3.8	0.7	2.7	1.8	2.3	2.2	1.4	15.2	2.5	40.8

Preliminary 2015-2016 Central Flyway Wingbee Results  
Number of parts examined at the Wingbee

AOU	Speccode	CommonName	NoParts
1290	COME	Common Merganser	1
1300	RBME	Red-Breasted Merganser	6
1310	HOME	Hooded Merganser	51
1320	MALL	Mallard	4,940
1324	DOME	Mallard (Domestic)	1
1331	MEDU	Mexican-like Duck	2
1340	MODU	Mottled Duck	49
1350	GADW	Gadwall	2,165
1360	EUWI	Eurasian Wigeon	1
1370	AMWI	American Wigeon	745
1390	AGWT	American Green-Winged Teal	1,573
1401	BCTE	Blue-Winged/Cinnamon Teal	3,114
1420	NSHO	Northern Shoveler	610
1430	NOPI	Northern Pintail	590
1440	WODU	Wood Duck	333
1460	REDH	Redhead	724
1470	CANV	Canvasback	132
1480	GRSC	Greater Scaup	23
1490	LESC	Lesser Scaup	234
1500	RNDU	Ring-Necked Duck	379
1510	COGO	Common Goldeneye	46
1530	BUFF	Bufflehead	134
1560	MIHY	Miscellaneous Hybrid	2
1650	WWSC	White-Winged Scoter	1
1660	SUSC	Surf Scoter	1
1670	RUDU	Ruddy Duck	33
1690	SGWH	Snow Goose (white)	270
1691	SGBL	Snow Goose (blue)	123
1700	ROGO	Ross' Goose	51
1710	GWFG	Greater White-Fronted Goose	122
1720	CAGO	Canada Goose	2,577
1770	BBWD	Black-Bellied Whistling Duck	23
1780	FUWD	Fulvous Whistling Duck	6
		Total	19,062

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Mallard

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	0.70	0.40	2.50	6.07	0.97	168
KS	0.55	0.44	1.53	8.95	2.59	617
MT	0.71	0.72	0.64	5.64	6.33	159
NE	1.10	0.97	2.14	7.97	3.60	661
NM	1.81	1.61	2.63	4.21	2.58	280
ND	1.98	1.76	2.84	3.99	2.47	1,028
OK	0.48	0.35	1.24	5.86	1.64	643
SD	1.58	1.36	2.67	5.14	2.63	580
TX	0.52	0.43	0.98	5.17	2.25	487
WY	0.57	0.50	1.08	7.08	3.26	317
CF	0.93	0.77	1.83	5.68	2.38	4,940

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Gadwall

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	0.67	0.35	1.43	2.43	0.60	40
KS	1.27	1.06	1.76	2.38	1.43	161
MT	3.00	3.00	3.00	1.00	1.00	8
NE	2.27	1.67	3.57	2.14	1.00	76
NM	0.58	0.18	5.00	11.00	0.40	19
ND	4.58	5.94	3.84	0.55	0.85	273
OK	0.69	0.48	1.42	3.37	1.13	285
SD	3.25	2.88	3.81	1.50	1.13	171
TX	0.61	0.40	1.19	2.67	0.90	1,110
WY	1.44	1.20	1.75	1.25	0.86	22
CF	0.94	0.65	1.67	2.47	0.96	2,165

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for American Wigeon

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	4.83	3.60	11.00	5.00	1.64	35
KS	1.30	1.18	1.67	2.83	2.00	53
MT	0.67	0.67	-	-	-	5
NE	1.59	1.33	2.20	2.40	1.45	44
NM	0.95	0.81	1.27	2.36	1.50	72
ND	2.80	1.85	4.57	1.86	0.75	77
OK	0.75	0.46	1.75	3.50	0.93	63
SD	1.53	0.82	3.50	2.75	0.64	39
TX	0.63	0.46	1.16	3.00	1.19	327
WY	1.73	1.14	2.75	1.75	0.73	30
CF	0.99	0.71	1.82	2.92	1.14	745



Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Blue-Winged/Cinnamon Teal

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	1.50	3.00	0.75	0.50	2.00	15
KS	1.65	1.90	1.45	0.75	0.98	258
MT	4.00	1.00	-	-	0.33	5
NE	1.39	1.07	2.14	2.39	1.19	412
NM	2.75	2.00	5.00	3.00	1.20	15
ND	1.85	1.87	1.83	0.83	0.85	410
OK	0.81	1.00	0.62	1.00	1.61	107
SD	0.94	0.88	1.04	1.51	1.27	268
TX	0.89	0.69	1.35	2.27	1.16	1,610
WY	1.17	3.00	0.25	0.50	6.00	14
CF	1.09	0.90	1.41	1.72	1.10	3,114

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for American Green-Winged Teal

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	1.95	1.60	3.25	3.75	1.85	56
KS	1.74	1.76	1.69	2.23	2.32	119
MT	3.00	1.50	-	-	1.00	8
NE	1.41	1.75	0.95	1.37	2.53	219
NM	1.33	0.86	3.00	3.50	1.00	42
ND	2.05	1.79	2.67	2.42	1.62	126
OK	1.40	1.34	1.58	3.42	2.89	131
SD	0.85	0.70	1.92	6.83	2.48	182
TX	1.21	0.88	2.02	2.45	1.06	657
WY	5.60	5.33	6.00	1.50	1.33	33
CF	1.36	1.13	1.96	2.62	1.51	1,573

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Northern Shoveler

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	3.00	4.50	1.50	1.00	3.00	16
KS	3.33	3.67	3.00	1.00	1.22	26
MT	2.50	1.00	-	-	0.67	7
NE	0.86	0.80	1.00	2.50	2.00	13
NM	0.80	0.67	1.00	1.50	1.00	9
ND	2.81	1.79	5.57	2.71	0.87	99
OK	2.18	1.30	11.00	10.00	1.18	35
SD	0.83	0.66	1.37	3.11	1.50	143
TX	0.77	0.63	1.06	2.00	1.18	254
WY	1.00	0.67	2.00	3.00	1.00	8
CF	1.20	0.92	1.85	2.31	1.16	610

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Northern Pintail

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	3.50	-	1.50	0.00	1.33	9
KS	0.89	0.73	1.67	5.00	2.20	34
NE	0.64	0.50	0.80	1.20	0.75	19
NM	0.34	0.26	1.00	8.50	2.25	51
ND	1.94	2.00	1.82	2.18	2.40	103
OK	0.40	0.25	1.00	4.00	1.00	28
SD	1.17	1.00	1.57	2.29	1.45	50
TX	0.55	0.36	1.41	4.50	1.15	292
WY	3.00	-	1.00	0.00	2.00	4
CF	0.77	0.59	1.45	3.71	1.53	590

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Wood Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	1.00	0.60	-	-	1.50	10
KS	1.50	2.00	1.33	0.33	0.50	10
MT	-	-	-	-	0.60	8
NE	2.25	2.57	1.80	1.40	2.00	40
NM	3.00	2.33	4.00	1.50	0.88	20
ND	0.80	1.33	0.00	1.50	-	9
OK	1.92	1.36	5.00	5.50	1.50	39
SD	0.94	0.73	4.00	15.00	2.75	31
TX	2.64	2.29	3.46	2.38	1.58	162
WY	-	-	-	-	-	4
CF	2.17	1.80	3.19	2.76	1.56	333

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Mottled Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
NE	0.00	0.00	-	-	-	1
TX	2.62	2.00	3.60	1.60	0.89	48
CF	2.52	1.88	3.60	1.70	0.89	49

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Mexican-like Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
NM	-	-	-	-	-	1
TX	0.00	0.00	-	-	-	1
CF	0.41	0.41	-	-	-	2

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Redhead

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	2.25	4.00	1.67	0.33	0.80	13
KS	1.80	1.83	1.75	1.50	1.57	28
MT	-	-	-	-	1.00	2
NE	3.00	4.00	2.00	1.00	2.00	8
ND	2.16	1.95	2.44	1.31	1.05	118
OK	0.64	0.44	1.50	4.50	1.33	18
SD	1.38	1.44	1.29	1.29	1.44	38
TX	0.71	0.67	0.86	3.16	2.46	497
WY	1.00	1.00	-	-	-	2
CF	0.94	0.83	1.23	2.64	1.77	724



Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Canvasback

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	-	-	-	-	1.00	2
KS	-	-	-	-	-	2
MT	1.00	1.00	1.00	1.00	1.00	4
NE	-	-	-	-	0.00	1
NM	0.50	1.00	0.00	1.00	-	3
ND	1.78	2.11	1.44	1.00	1.46	51
OK	0.67	0.33	-	-	1.00	5
SD	1.67	2.50	0.00	2.00	-	8
TX	0.70	0.87	0.59	0.88	1.30	56
CF	1.15	1.36	0.97	1.07	1.50	132

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Greater Scaup

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
ND	-	-	-	-	0.00	1
OK	2.00	1.00	-	-	1.00	3
SD	-	-	-	-	0.00	1
TX	1.00	1.00	1.00	0.80	0.80	18
CF	1.27	1.00	1.55	1.02	0.66	23

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Lesser Scaup

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	0.50	-	0.50	0.00	0.00	6
KS	0.00	0.00	-	-	-	1
NE	1.00	0.00	-	-	0.00	2
ND	1.07	0.71	2.00	2.63	0.94	62
OK	0.67	0.50	1.00	2.00	1.00	5
SD	0.55	0.40	0.86	2.14	1.00	34
TX	0.56	0.48	1.00	5.58	2.67	123
WY	0.00	-	0.00	0.00	-	1
CF	0.68	0.52	1.21	3.35	1.44	234

Preliminary 2015-2016 Central Flyway Wingbee Results  
 Species report for Ring-Necked Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	2.00	3.00	1.00	1.00	3.00	6
KS	2.00	2.50	0.00	4.00	-	15
MT	1.00	0.00	-	-	0.00	4
NE	8.00	6.00	-	-	3.00	10
NM	3.00	3.00	3.00	1.00	1.00	8
ND	1.04	0.86	5.00	22.00	3.80	48
OK	1.17	0.82	5.00	11.00	1.80	26
SD	0.69	0.70	0.67	3.33	3.50	22
TX	0.97	0.80	1.33	2.05	1.23	236
WY	-	-	-	-	3.00	4
CF	1.06	0.90	1.53	2.85	1.66	379

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Common Goldeneye

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	1.00	0.00	2.00	1.00	0.00	4
KS	0.67	-	0.00	0.00	-	5
MT	0.00	0.00	0.00	1.00	-	2
NE	1.00	-	1.00	0.00	0.00	2
NM	0.00	-	0.00	0.00	-	1
ND	2.00	-	1.00	0.00	1.00	3
OK	4.00	3.00	5.00	1.00	0.60	10
SD	0.50	1.00	0.00	1.00	-	3
TX	2.00	2.00	2.00	2.00	2.00	9
WY	0.75	0.33	2.00	3.00	0.50	7
CF	1.45	1.72	1.27	0.68	0.92	46

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Bufflehead

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	2.00	0.00	-	-	0.00	3
KS	2.00	-	1.00	0.00	1.00	3
MT	0.50	0.50	-	-	-	3
ND	0.78	0.29	2.50	3.50	0.40	33
OK	-	-	-	-	0.50	3
SD	0.62	0.39	1.50	3.83	1.00	47
TX	2.00	0.45	10.00	5.50	0.25	39
WY	0.50	0.00	-	-	0.00	3
CF	1.13	0.41	3.97	4.02	0.41	134

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Ruddy Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	0.00	-	-	-	-	1
KS	2.00	-	-	-	-	3
ND	0.40	-	-	-	-	8
SD	2.00	-	-	-	-	3
TX	1.13	-	-	-	-	18
CF	0.87	-	-	-	-	33

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Common Merganser

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
WY	0.00	-	0.00	0.00	-	1
CF	0.00	-	0.00	0.00	-	1



Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Red-Breasted Merganser

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
TX	0.20	0.00	0.00	0.25	-	6
CF	0.20	0.00	0.00	0.25	-	6

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Hooded Merganser

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
CO	-	-	-	-	-	1
KS	0.00	0.00	0.00	1.00	-	2
NE	0.00	0.00	0.00	0.50	-	3
NM	1.00	-	-	-	-	2
ND	1.17	0.00	-	-	-	14
OK	1.50	0.00	-	-	-	5
SD	0.00	0.00	-	-	-	2
TX	0.57	0.00	0.00	2.25	-	22
CF	0.75	0.00	0.00	3.27	-	51

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Eurasian Wigeon

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
OK	0.00	-	0.00	0.00	-	1
CF	0.00	-	0.00	0.00	-	1

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for White-Winged Scoter

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
ND	-	-	-	-	-	1
CF	-	-	-	-	-	1

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Surf Scoter

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
WY	0.00	0.00	-	-	-	1
CF	0.00	0.00	-	-	-	1

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Black-Bellied Whistling Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
TX	2.29	-	-	-	-	23
CF	2.29	-	-	-	-	23

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Fulvous Whistling Duck

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
TX	2.00	-	-	-	-	6
CF	2.00	-	-	-	-	6

Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Mallard (Domestic)

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
OK	0.00	-	0.00	0.00	-	1
CF	0.00	-	0.00	0.00	-	1



Preliminary 2015-2016 Central Flyway Wingbee Results  
Species report for Miscellaneous Hybrid

State	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
ND	-	-	-	-	-	1
TX	-	-	-	-	-	1
CF	-	-	-	-	-	2

**Hand Tally Central Flyway Wingbee, 2015-2016  
Number of Tail Fans Received (Immatures:Adults)**

State	SNOW	Ross's	WFG	Small Canadas	Large Canadas		CAGO Unknowns
					Western	Eastern	
CO	1:3	0:0	0:0	38:60	32:59		11
KS	9:42	3:7	11:28	5:47		31:91	15
MT	1:0	0:1	3:4	1:12	50:202		3
ND	62:183	16:9	5:23	24:80		286:676	90
NE	0:4	0:0	1:0	1:27		70:167	6
NM	3:4	0:0	0:0	0:0	3:5		0
OK	0:1	0:1	0:2	3:13		12:32	2
SD	7:23	1:2	1:1	1:6		68:179	19
TX	18:63	3:6	26:29	8:5		7:8	0
WY	0:0	0:0	0:0	11:16	61:148		5
Unknown age	0	2	3	1	2		151 Tot. unk

Immature	101	23	47	92	146	474
Adult	323	26	87	266	414	1153
Total	424	49	134	358	560	1627
I/A	0.3127	0.8846	0.5402	0.3459	0.3527	0.4111

Total Unknown Size Canadas                    151  
 Total Unk. Age known Geese                    8  
 Total Known Tails                                3,152  
 Total Tails                                         3,311

Preliminary 2015-2016 Central Flyway Wingbee Results  
State report for Central Flyway Total

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1290	Common Merganser	0.00	-	0.00	0.00	-	1
1300	Red-Breasted Merganser	0.20	0.00	0.00	0.25	-	6
1310	Hooded Merganser	0.75	0.00	0.00	3.27	-	51
1320	Mallard	0.93	0.77	1.83	5.68	2.38	4,940
1324	Mallard (Domestic)	0.00	-	0.00	0.00	-	1
1331	Mexican-like Duck	0.41	0.41	-	-	-	2
1340	Mottled Duck	2.52	1.88	3.60	1.70	0.89	49
1350	Gadwall	0.94	0.65	1.67	2.47	0.96	2,165
1360	Eurasian Wigeon	0.00	-	0.00	0.00	-	1
1370	American Wigeon	0.99	0.71	1.82	2.92	1.14	745
1390	American Green-Winged Teal	1.36	1.13	1.96	2.62	1.51	1,573
1401	Blue-Winged/Cinnamon Teal	1.09	0.90	1.41	1.72	1.10	3,114
1420	Northern Shoveler	1.20	0.92	1.85	2.31	1.16	610
1430	Northern Pintail	0.77	0.59	1.45	3.71	1.53	590
1440	Wood Duck	2.17	1.80	3.19	2.76	1.56	333
1460	Redhead	0.94	0.83	1.23	2.64	1.77	724
1470	Canvasback	1.15	1.36	0.97	1.07	1.50	132
1480	Greater Scaup	1.27	1.00	1.55	1.02	0.66	23
1490	Lesser Scaup	0.68	0.52	1.21	3.35	1.44	234
1500	Ring-Necked Duck	1.06	0.90	1.53	2.85	1.66	379
1510	Common Goldeneye	1.45	1.72	1.27	0.68	0.92	46
1530	Bufflehead	1.13	0.41	3.97	4.02	0.41	134
1560	Miscellaneous Hybrid	-	-	-	-	-	2
1650	White-Winged Scoter	-	-	-	-	-	1
1660	Surf Scoter	0.00	0.00	-	-	-	1
1670	Ruddy Duck	0.87	-	-	-	-	33
1690	Snow Goose (white)	0.28	-	-	-	-	270
1691	Snow Goose (blue)	0.27	-	-	-	-	123
1700	Ross' Goose	0.53	-	-	-	-	51
1710	Greater White-Fronted Goose	0.75	-	-	-	-	122
1720	Canada Goose	0.39	-	-	-	-	2,577
1770	Black-Bellied Whistling Duck	2.29	-	-	-	-	23
1780	Fulvous Whistling Duck	2.00	-	-	-	-	6

Preliminary 2015-2016 Central Flyway Wingbee Results  
 State report for Colorado

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	-	-	-	-	-	1
1320	Mallard	0.70	0.40	2.50	6.07	0.97	168
1350	Gadwall	0.67	0.35	1.43	2.43	0.60	40
1370	American Wigeon	4.83	3.60	11.00	5.00	1.64	35
1390	American Green-Winged Teal	1.95	1.60	3.25	3.75	1.85	56
1401	Blue-Winged/Cinnamon Teal	1.50	3.00	0.75	0.50	2.00	15
1420	Northern Shoveler	3.00	4.50	1.50	1.00	3.00	16
1430	Northern Pintail	3.50	-	1.50	0.00	1.33	9
1440	Wood Duck	1.00	0.60	-	-	1.50	10
1460	Redhead	2.25	4.00	1.67	0.33	0.80	13
1470	Canvasback	-	-	-	-	1.00	2
1490	Lesser Scaup	0.50	-	0.50	0.00	0.00	6
1500	Ring-Necked Duck	2.00	3.00	1.00	1.00	3.00	6
1510	Common Goldeneye	1.00	0.00	2.00	1.00	0.00	4
1530	Bufflehead	2.00	0.00	-	-	0.00	3
1670	Ruddy Duck	0.00	-	-	-	-	1
1690	Snow Goose (white)	0.33	-	-	-	-	4
1720	Canada Goose	0.59	-	-	-	-	197

Preliminary 2015-2016 Central Flyway Wingbee Results  
State report for Kansas

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	0.00	0.00	0.00	1.00	-	2
1320	Mallard	0.55	0.44	1.53	8.95	2.59	617
1350	Gadwall	1.27	1.06	1.76	2.38	1.43	161
1370	American Wigeon	1.30	1.18	1.67	2.83	2.00	53
1390	American Green-Winged Teal	1.74	1.76	1.69	2.23	2.32	119
1401	Blue-Winged/Cinnamon Teal	1.65	1.90	1.45	0.75	0.98	258
1420	Northern Shoveler	3.33	3.67	3.00	1.00	1.22	26
1430	Northern Pintail	0.89	0.73	1.67	5.00	2.20	34
1440	Wood Duck	1.50	2.00	1.33	0.33	0.50	10
1460	Redhead	1.80	1.83	1.75	1.50	1.57	28
1470	Canvasback	-	-	-	-	-	2
1490	Lesser Scaup	0.00	0.00	-	-	-	1
1500	Ring-Necked Duck	2.00	2.50	0.00	4.00	-	15
1510	Common Goldeneye	0.67	-	0.00	0.00	-	5
1530	Bufflehead	2.00	-	1.00	0.00	1.00	3
1670	Ruddy Duck	2.00	-	-	-	-	3
1690	Snow Goose (white)	0.21	-	-	-	-	41
1691	Snow Goose (blue)	0.25	-	-	-	-	10
1700	Ross' Goose	0.43	-	-	-	-	10
1710	Greater White-Fronted Goose	0.39	-	-	-	-	40
1720	Canada Goose	0.27	-	-	-	-	183

Preliminary 2015-2016 Central Flyway Wingbee Results  
 State report for Montana

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1320	Mallard	0.71	0.72	0.64	5.64	6.33	159
1350	Gadwall	3.00	3.00	3.00	1.00	1.00	8
1370	American Wigeon	0.67	0.67	-	-	-	5
1390	American Green-Winged Teal	3.00	1.50	-	-	1.00	8
1401	Blue-Winged/Cinnamon Teal	4.00	1.00	-	-	0.33	5
1420	Northern Shoveler	2.50	1.00	-	-	0.67	7
1440	Wood Duck	-	-	-	-	0.60	8
1460	Redhead	-	-	-	-	1.00	2
1470	Canvasback	1.00	1.00	1.00	1.00	1.00	4
1500	Ring-Necked Duck	1.00	0.00	-	-	0.00	4
1510	Common Goldeneye	0.00	0.00	0.00	1.00	-	2
1530	Bufflehead	0.50	0.50	-	-	-	3
1690	Snow Goose (white)	-	-	-	-	-	1
1700	Ross' Goose	0.00	-	-	-	-	1
1710	Greater White-Fronted Goose	-	-	-	-	-	1
1720	Canada Goose	0.24	-	-	-	-	265

Preliminary 2015-2016 Central Flyway Wingbee Results  
 State report for Nebraska

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	0.00	0.00	0.00	0.50	-	3
1320	Mallard	1.10	0.97	2.14	7.97	3.60	661
1340	Mottled Duck	0.00	0.00	-	-	-	1
1350	Gadwall	2.27	1.67	3.57	2.14	1.00	76
1370	American Wigeon	1.59	1.33	2.20	2.40	1.45	44
1390	American Green-Winged Teal	1.41	1.75	0.95	1.37	2.53	219
1401	Blue-Winged/Cinnamon Teal	1.39	1.07	2.14	2.39	1.19	412
1420	Northern Shoveler	0.86	0.80	1.00	2.50	2.00	13
1430	Northern Pintail	0.64	0.50	0.80	1.20	0.75	19
1440	Wood Duck	2.25	2.57	1.80	1.40	2.00	40
1460	Redhead	3.00	4.00	2.00	1.00	2.00	8
1470	Canvasback	-	-	-	-	0.00	1
1490	Lesser Scaup	1.00	0.00	-	-	0.00	2
1500	Ring-Necked Duck	8.00	6.00	-	-	3.00	10
1510	Common Goldeneye	1.00	-	1.00	0.00	0.00	2
1690	Snow Goose (white)	0.00	-	-	-	-	4
1710	Greater White-Fronted Goose	-	-	-	-	-	1
1720	Canada Goose	0.37	-	-	-	-	268

Preliminary 2015-2016 Central Flyway Wingbee Results  
 State report for New Mexico

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	1.00	-	-	-	-	2
1320	Mallard	1.81	1.61	2.63	4.21	2.58	280
1331	Mexican-like Duck	-	-	-	-	-	1
1350	Gadwall	0.58	0.18	5.00	11.00	0.40	19
1370	American Wigeon	0.95	0.81	1.27	2.36	1.50	72
1390	American Green-Winged Teal	1.33	0.86	3.00	3.50	1.00	42
1401	Blue-Winged/Cinnamon Teal	2.75	2.00	5.00	3.00	1.20	15
1420	Northern Shoveler	0.80	0.67	1.00	1.50	1.00	9
1430	Northern Pintail	0.34	0.26	1.00	8.50	2.25	51
1440	Wood Duck	3.00	2.33	4.00	1.50	0.88	20
1470	Canvasback	0.50	1.00	0.00	1.00	-	3
1500	Ring-Necked Duck	3.00	3.00	3.00	1.00	1.00	8
1510	Common Goldeneye	0.00	-	0.00	0.00	-	1
1690	Snow Goose (white)	0.75	-	-	-	-	7
1720	Canada Goose	0.60	-	-	-	-	8



Preliminary 2015-2016 Central Flyway Wingbee Results  
 State report for North Dakota

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	1.17	0.00	-	-	-	14
1320	Mallard	1.98	1.76	2.84	3.99	2.47	1,028
1350	Gadwall	4.58	5.94	3.84	0.55	0.85	273
1370	American Wigeon	2.80	1.85	4.57	1.86	0.75	77
1390	American Green-Winged Teal	2.05	1.79	2.67	2.42	1.62	126
1401	Blue-Winged/Cinnamon Teal	1.85	1.87	1.83	0.83	0.85	410
1420	Northern Shoveler	2.81	1.79	5.57	2.71	0.87	99
1430	Northern Pintail	1.94	2.00	1.82	2.18	2.40	103
1440	Wood Duck	0.80	1.33	0.00	1.50	-	9
1460	Redhead	2.16	1.95	2.44	1.31	1.05	118
1470	Canvasback	1.78	2.11	1.44	1.00	1.46	51
1480	Greater Scaup	-	-	-	-	0.00	1
1490	Lesser Scaup	1.07	0.71	2.00	2.63	0.94	62
1500	Ring-Necked Duck	1.04	0.86	5.00	22.00	3.80	48
1510	Common Goldeneye	2.00	-	1.00	0.00	1.00	3
1530	Bufflehead	0.78	0.29	2.50	3.50	0.40	33
1560	Miscellaneous Hybrid	-	-	-	-	-	1
1650	White-Winged Scoter	-	-	-	-	-	1
1670	Ruddy Duck	0.40	-	-	-	-	8
1690	Snow Goose (white)	0.32	-	-	-	-	129
1691	Snow Goose (blue)	0.23	-	-	-	-	91
1700	Ross' Goose	1.78	-	-	-	-	26
1710	Greater White-Fronted Goose	0.10	-	-	-	-	23
1720	Canada Goose	0.42	-	-	-	-	1,077

Preliminary 2015-2016 Central Flyway Wingbee Results  
 State report for Oklahoma

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	1.50	0.00	-	-	-	5
1320	Mallard	0.48	0.35	1.24	5.86	1.64	643
1324	Mallard (Domestic)	0.00	-	0.00	0.00	-	1
1350	Gadwall	0.69	0.48	1.42	3.37	1.13	285
1360	Eurasian Wigeon	0.00	-	0.00	0.00	-	1
1370	American Wigeon	0.75	0.46	1.75	3.50	0.93	63
1390	American Green-Winged Teal	1.40	1.34	1.58	3.42	2.89	131
1401	Blue-Winged/Cinnamon Teal	0.81	1.00	0.62	1.00	1.61	107
1420	Northern Shoveler	2.18	1.30	11.00	10.00	1.18	35
1430	Northern Pintail	0.40	0.25	1.00	4.00	1.00	28
1440	Wood Duck	1.92	1.36	5.00	5.50	1.50	39
1460	Redhead	0.64	0.44	1.50	4.50	1.33	18
1470	Canvasback	0.67	0.33	-	-	1.00	5
1480	Greater Scaup	2.00	1.00	-	-	1.00	3
1490	Lesser Scaup	0.67	0.50	1.00	2.00	1.00	5
1500	Ring-Necked Duck	1.17	0.82	5.00	11.00	1.80	26
1510	Common Goldeneye	4.00	3.00	5.00	1.00	0.60	10
1530	Bufflehead	-	-	-	-	0.50	3
1690	Snow Goose (white)	0.00	-	-	-	-	1
1700	Ross' Goose	0.00	-	-	-	-	1
1710	Greater White-Fronted Goose	0.00	-	-	-	-	2
1720	Canada Goose	0.33	-	-	-	-	63

Preliminary 2015-2016 Central Flyway Wingbee Results  
State report for South Dakota

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1310	Hooded Merganser	0.00	0.00	-	-	-	2
1320	Mallard	1.58	1.36	2.67	5.14	2.63	580
1350	Gadwall	3.25	2.88	3.81	1.50	1.13	171
1370	American Wigeon	1.53	0.82	3.50	2.75	0.64	39
1390	American Green-Winged Teal	0.85	0.70	1.92	6.83	2.48	182
1401	Blue-Winged/Cinnamon Teal	0.94	0.88	1.04	1.51	1.27	268
1420	Northern Shoveler	0.83	0.66	1.37	3.11	1.50	143
1430	Northern Pintail	1.17	1.00	1.57	2.29	1.45	50
1440	Wood Duck	0.94	0.73	4.00	15.00	2.75	31
1460	Redhead	1.38	1.44	1.29	1.29	1.44	38
1470	Canvasback	1.67	2.50	0.00	2.00	-	8
1480	Greater Scaup	-	-	-	-	0.00	1
1490	Lesser Scaup	0.55	0.40	0.86	2.14	1.00	34
1500	Ring-Necked Duck	0.69	0.70	0.67	3.33	3.50	22
1510	Common Goldeneye	0.50	1.00	0.00	1.00	-	3
1530	Bufflehead	0.62	0.39	1.50	3.83	1.00	47
1670	Ruddy Duck	2.00	-	-	-	-	3
1690	Snow Goose (white)	0.38	-	-	-	-	18
1691	Snow Goose (blue)	0.29	-	-	-	-	9
1700	Ross' Goose	0.50	-	-	-	-	3
1710	Greater White-Fronted Goose	-	-	-	-	-	1
1720	Canada Goose	0.36	-	-	-	-	257

Preliminary 2015-2016 Central Flyway Wingbee Results  
State report for Texas

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1300	Red-Breasted Merganser	0.20	0.00	0.00	0.25	-	6
1310	Hooded Merganser	0.57	0.00	0.00	2.25	-	22
1320	Mallard	0.52	0.43	0.98	5.17	2.25	487
1331	Mexican-like Duck	0.00	0.00	-	-	-	1
1340	Mottled Duck	2.62	2.00	3.60	1.60	0.89	48
1350	Gadwall	0.61	0.40	1.19	2.67	0.90	1,110
1370	American Wigeon	0.63	0.46	1.16	3.00	1.19	327
1390	American Green-Winged Teal	1.21	0.88	2.02	2.45	1.06	657
1401	Blue-Winged/Cinnamon Teal	0.89	0.69	1.35	2.27	1.16	1,610
1420	Northern Shoveler	0.77	0.63	1.06	2.00	1.18	254
1430	Northern Pintail	0.55	0.36	1.41	4.50	1.15	292
1440	Wood Duck	2.64	2.29	3.46	2.38	1.58	162
1460	Redhead	0.71	0.67	0.86	3.16	2.46	497
1470	Canvasback	0.70	0.87	0.59	0.88	1.30	56
1480	Greater Scaup	1.00	1.00	1.00	0.80	0.80	18
1490	Lesser Scaup	0.56	0.48	1.00	5.58	2.67	123
1500	Ring-Necked Duck	0.97	0.80	1.33	2.05	1.23	236
1510	Common Goldeneye	2.00	2.00	2.00	2.00	2.00	9
1530	Bufflehead	2.00	0.45	10.00	5.50	0.25	39
1560	Miscellaneous Hybrid	-	-	-	-	-	1
1670	Ruddy Duck	1.13	-	-	-	-	18
1690	Snow Goose (white)	0.27	-	-	-	-	65
1691	Snow Goose (blue)	0.30	-	-	-	-	13
1700	Ross' Goose	0.50	-	-	-	-	10
1710	Greater White-Fronted Goose	0.93	-	-	-	-	54
1720	Canada Goose	0.80	-	-	-	-	18
1770	Black-Bellied Whistling Duck	2.29	-	-	-	-	23
1780	Fulvous Whistling Duck	2.00	-	-	-	-	6

Preliminary 2015-2016 Central Flyway Wingbee Results  
State report for Wyoming

AOU	CommonName	Imm/Ad	IM/AM	IF/AF	AM/AF	IM/IF	NoParts
1290	Common Merganser	0.00	-	0.00	0.00	-	1
1320	Mallard	0.57	0.50	1.08	7.08	3.26	317
1350	Gadwall	1.44	1.20	1.75	1.25	0.86	22
1370	American Wigeon	1.73	1.14	2.75	1.75	0.73	30
1390	American Green-Winged Teal	5.60	5.33	6.00	1.50	1.33	33
1401	Blue-Winged/Cinnamon Teal	1.17	3.00	0.25	0.50	6.00	14
1420	Northern Shoveler	1.00	0.67	2.00	3.00	1.00	8
1430	Northern Pintail	3.00	-	1.00	0.00	2.00	4
1440	Wood Duck	-	-	-	-	-	4
1460	Redhead	1.00	1.00	-	-	-	2
1490	Lesser Scaup	0.00	-	0.00	0.00	-	1
1500	Ring-Necked Duck	-	-	-	-	3.00	4
1510	Common Goldeneye	0.75	0.33	2.00	3.00	0.50	7
1530	Bufflehead	0.50	0.00	-	-	0.00	3
1660	Surf Scoter	0.00	0.00	-	-	-	1
1720	Canada Goose	0.45	-	-	-	-	241