

NUMBERS OF TUNDRA OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	0	0	0	0	118	0	7	1	71,604	4,250	13,686	15	0	0	89,681
1956	0	0	0	0	0	0	0	18	0	0	4	20,002	7,325	11,347	3	0	0	38,699
1957	0	0	0	6	0	0	0	0	3	8	7	35,200	600	4,400	0	0	0	40,224
1958	0	0	0	0	0	0	365	4	0	14	0	17,012	1,387	9,389	10	0	0	28,181
1959	0	0	0	0	0	0	6	0	0	11	0	15,200	3,500	9,000	0	0	0	27,717
1960	0	0	0	0	0	0	0	0	0	0	0	23,200	5,100	12,800	0	0	0	41,100
1961	0	0	0	0	0	0	0	0	0	0	0	36,200	9,500	16,800	0	0	0	62,500
1962	0	0	0	0	0	0	0	100	0	0	0	25,600	4,500	9,200	0	0	0	39,400
1963	0	0	0	0	0	0	0	0	0	100	0	35,800	12,500	13,000	0	0	0	61,400
1964	0	0	0	100	0	0	0	0	0	100	0	37,300	100	24,500	0	0	0	62,100
1965	0	0	0	0	0	0	0	0	0	100	0	45,400	600	7,900	0	0	0	54,000
1966	0	0	0	0	0	0	0	100	0	100	0	45,300	1,400	10,900	0	0	0	57,800
1967	0	0	0	0	0	0	0	0	0	0	100	52,200	1,200	18,500	0	0	0	72,000
1968	0	0	0	0	0	0	0	0	0	100	0	26,000	2,300	17,200	0	0	0	45,600
1969	0	0	0	0	0	0	0	0	0	0	0	36,400	0	25,800	0	0	0	62,200
1970	0	0	0	0	0	0	0	0	0	100	0	34,100	5,800	15,000	0	0	0	55,000
1971	0	0	0	0	0	0	0	0	0	0	0	38,800	3,400	16,000	0	0	0	58,200
1972	0	0	0	0	0	0	0	100	0	400	2,500	39,700	3,100	17,000	0	0	0	62,800
1973	0	0	0	417	0	0	1	263	0	166	51	34,399	2,207	19,000	13	0	0	56,517
1974	0	0	0	0	0	0	1	284	0	162	1,210	32,398	4,659	25,100	13	0	0	63,827
1975	0	0	0	0	0	0	2	322	0	570	395	36,095	2,097	26,600	0	2	0	66,083
1976	0	0	0	0	0	0	7	614	0	300	395	28,492	7,109	30,800	11	0	0	67,728
1977	0	0	0	0	0	0	0	70	0	315	435	27,597	4,485	43,300	36	0	0	76,238
1978	0	0	0	0	0	0	0	1,576	0	1,300	1,715	34,996	6,857	23,800	0	0	0	70,244
1979	0	0	0	0	0	0	4	599	0	2,710	61	34,495	8,405	30,500	52	0	0	76,826
1980	0	0	0	0	0	0	37	217	0	527	1,566	29,994	8,350	19,100	66	0	0	59,857
1981	0	0	0	0	0	0	3	1,260	0	725	959	29,996	13,122	46,600	100	0	0	92,765
1982	0	0	0	0	0	0	0	242	0	900	0	19,600	9,800	42,200	165	0	0	72,907
1983	0	0	0	0	0	0	0	800	0	1,800	3,000	23,000	5,600	52,200	64	0	0	86,464
1984	0	0	0	209	0	0	0	100	0	600	0	29,002	7,000	44,100	199	0	25	81,235
1985	0	0	0	0	0	0	0	340	0	1,230	100	23,500	6,965	61,500	269	5	0	93,909
1986	0	0	0	0	0	0	0	756	0	800	400	30,020	6,378	52,300	86	1	25	90,766
1987	0	0	0	0	0	0	0	5,105	1	4,000	1,400	25,700	4,685	53,543	70	0	0	94,504
1988	0	0	0	0	0	0	13	5	0	2,800	0	22,100	5,291	46,805	96	0	0	77,110
1989	0	0	0	0	0	0	0	502	0	2,300	175	28,542	5,927	52,656	45	3	0	90,150
1990	0	0	0	0	0	0	0	340	0	3,600	90	20,078	6,092	60,238	155	0	0	90,593
1991	0	0	0	0	0	0	0	1,856	0	2,800	121	23,104	4,491	64,999	53	0	0	97,424
1992	0	0	0	0	0	0	35	3,058	0	724	144	22,976	7,207	75,607	37	0	0	109,788
1993	0	0	0	0	0	0	83	4,868	0	305	72	18,248	7,046	45,930	41	0	0	76,593
1994	0	0	0	0	0	0	8	686	1	1,044	126	18,780	9,132	54,664	86	0	0	84,527
1995	0	0	0	0	0	0	206	2,012	1	770	64	15,578	7,605	53,870	116	0	0	80,222
1996	0	0	0	0	0	0	0	115	4	512	197	16,344	10,945	50,716	188	0	0	79,021
1997*	0	0	0	0	0	0	0	3,515	0	667	594	12,238	11,211	57,730	165	0	0	86,120
1998	0	0	0	0	0	0	139	1,949	0	495	1,171	21,563	7,186	63,761	280	0	0	96,544
1999	0	0	0	0	0	0	0	553	0	935	76	15,557	8,814	83,106	0	0	0	109,041
2000**	0	0	0	0	0	0	0	1,106	0	130	1,497	15,609	7,596	77,044	100	0	0	103,082

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YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
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2001**	0	0	0	0	0	0	99	363	24	197	72	20,798	9,428	66,966	220	0	0	98,167
2002	0	4	0	0	0	0	116	1,098	3	473	920	16,610	5,994	78,394	222	0	0	103,834
2003**	0	0	0	0	0	0	205	548	0	105	802	15,112	7,725	83,351	339	0	0	108,187
2004**	0	0	0	0	0	0	8	1,261	0	495	667	17,891	7,173	67,188	292	0	0	94,975
2005**	0	0	0	0	0	0	132	786	0	205	387	13,248	6,488	47,364	125	0	NS**	68,735
2006**	0	0	0	0	0	0	399	2,464	2	165	147	8,239	4,576	54,064	398	0	NS**	70,454
2007**	0	NS**	0	0		0	0	363	0	290	520	8,656	4,979	72,653	379	0	NS**	87,840
2008**	0	0	0	0	0	0	0	1,178	4	332	651	10,580	6,738	69,023	NS	0	NS**	88,506
AVERAGES:																		
55-60	0	0	0	1	0	0	62	23	1	7	2	30,370	3,694	10,104	5	0	0	44,267
61-65	0	0	0	20	0	0	0	20	0	60	0	36,060	5,440	14,280	0	0	0	55,880
66-70	0	0	0	0	0	0	0	20	0	60	20	38,800	2,140	17,480	0	0	0	58,520
71-75	0	0	0	83	0	0	1	194	0	260	831	36,278	3,093	20,740	5	0	0	61,485
76-80	0	0	0	0	0	0	10	615	0	1,030	834	31,115	7,041	29,500	33	0	0	70,179
81-85	0	0	0	42	0	0	1	548	0	1,051	812	25,020	8,497	49,320	159	1	5	85,456
86-90	0	0	0	0	0	0	3	1,342	0	2,700	413	25,288	5,675	53,108	90	1	5	88,625
91-95	0	0	0	0	0	0	66	2,496	0	1,129	105	19,737	7,096	59,014	67	0	0	89,711
96-2000	0	0	0	0	0	0	28	1,448	1	548	707	16,262	9,150	66,471	147	0	0	94,762
2001-05	0	1	0	0	0	0	112	811	5	295	570	16,732	7,362	68,653	240	0	0	94,780
2006-08	0	0	0	0	0	0	133	1,335	2	262	439	9,158	5,431	65,247	389	0		82,267

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997.

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Revision: JDK

7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

2003: Florida data are incomplete. Data from the USFWS Redhead Survey areas are unavailable.

2004: No survey conducted in Florida. Estimates for Florida based on 2000-2002 average.

2005, 2006: No survey conducted in Florida.

2007: No survey conducted in Vermont or Florida (Totals for mottled ducks, whistling ducks, blue-winged teal, redheads, scaup, ring-necked ducks, and to a lesser extent, wigeon and shovelers are especially suspect).

Connecticut conducted a ground-based survey of black duck and brant concentration areas only.

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

Population estimates (SE) for mallards from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	12,775 (4,297)	45,110 (14,993)	24,315 (4,654)	27,803 (6,163)	8,099 (3,566)	185,616 (20,454)	171,326 (26,278)	46,063 (10,037)	4,795 (2,889)	97,698 (30,619)	38,601 (12,286)	686,562 (49,870)
1994	18,337 (5,543)	37,450 (7,770)	28,421 (5,987)	36,062 (8,130)	2,283 (1,263)	206,872 (23,264)	270,778 (51,384)	48,474 (6,521)	3,460 (1,621)	108,019 (21,680)	85,246 (28,146)	856,313 (62,774)
1995	28,139 (11,207)	35,195 (9,160)	42,957 (5,902)	31,639 (8,016)	3,372 (1,262)	237,910 (35,880)	257,338 (49,393)	56,285 (8,415)	896 (481)	69,171 (18,945)	61,442 (21,995)	864,120 (70,395)
1996	9,154 (3,233)	41,115 (9,690)	38,678 (7,275)	26,806 (4,969)	4,729 (1,560)	241,608 (32,927)	220,148 (33,230)	56,088 (8,753)	407 (288)	78,704 (22,318)	93,437 (31,410)	848,645 (61,074)
1997	26,301 (7,293)	32,120 (8,103)	51,302 (8,940)	28,697 (6,742)	6,165 (2,020)	214,950 (22,671)	223,017 (31,517)	50,757 (9,381)	2,556 (1,554)	57,531 (11,877)	56,425 (15,239)	795,176 (49,596)
1998	15,027 (5,030)	26,166 (5,603)	49,043 (7,328)	26,364 (6,596)	3,692 (1,542)	213,372 (25,960)	191,082 (23,089)	50,416 (6,696)	2,088 (985)	84,390 (21,509)	71,600 (24,987)	775,213 (49,718)
1999	19,315 (6,234)	38,271 (9,340)	53,249 (7,841)	36,053 (9,362)	3,307 (2,210)	223,692 (32,239)	246,359 (35,614)	57,277 (8,009)	4,252 (2,463)	94,877 (26,761)	72,228 (26,846)	879,953 (60,173)
2000	18,036 (5,210)	33,448 (7,483)	44,489 (8,221)	34,276 (8,677)	4,371 (2,043)	228,791 (29,367)	185,318 (28,992)	51,547 (6,138)	2,790 (1,558)	57,989 (15,706)	54,838 (13,534)	762,555 (48,701)
2001	31,290 (8,627)	21,317 (5,976)	50,432 (7,727)	34,121 (6,530)	1,474 (635)	237,501 (32,949)	190,137 (23,647)	50,402 (7,241)	3,543 (1,637)	80,359 (15,570)	69,075 (20,103)	809,438 (51,572)
2002	21,074 (9,420)	33,353 (8,445)	55,150 (9,336)	38,856 (8,202)	3,045 (1,467)	235,999 (30,922)	171,752 (24,458)	61,601 (10,360)	4,351 (3,102)	90,053 (20,221)	81,872 (26,032)	833,514 (56,235)
2003	27,480 (7,703)	25,140 (7,529)	59,764 (9,943)	27,066 (5,471)	2,538 (887)	206,404 (28,009)	170,067 (25,758)	50,656 (6,720)	2,511 (1,538)	49,334 (9,752)	72,799 (29,882)	731,907 (47,025)
2004	38,215 (11,196)	50,812 (14,912)	53,949 (10,807)	39,991 (7,551)	7,728 (3,015)	185,350 (22,579)	177,715 (25,183)	61,517 (10,303)	4,698 (3,555)	56,593 (11,831)	64,383 (20,470)	806,554 (51,747)
2005	19,971 (4,852)	50,781 (14,848)	52,110 (11,191)	29,811 (6,993)	3,268 (1,022)	214,270 (30,979)	197,975 (31,726)	45,237 (8,275)	2,426 (1,462)	43,954 (12,918)	61,613 (21,277)	753,622 (53,619)
2006	25,041 (9,282)	38,277 (9,759)	58,142 (10,582)	34,741 (6,982)	2,538 (1,269)	151,788 (23,478)	174,374 (27,282)	56,134 (8,310)	NS ^a	50,696 (9,052)	70,760 (18,467)	721,402 (47,639)
2007	13,945 (3,988)	38,703 (11,094)	53,786 (10,132)	35,445 (8,098)	4,012 (1,225)	179,102 (22,029)	181,540 (29,509)	52,336 (7,743)	1,153 (726)	35,433 (7,275)	38,060 (13,300)	687,578 (46,724)
2008	21,034 (8,604)	33,294 (12,421)	48,452 (10,145)	37,633 (7,596)	2,538 (1,269)	184,292 (28,500)	131,477 (18,909)	45,029 (5,936)	5,135 (1,790)	42,610 (7,031)	34,107 (12,161)	619,095 (40,682)

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Revision: RVR

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for mallards from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	6,388 (2,149)	22,555 (7,496)	12,137 (2,327)	13,901 (3,082)	4,050 (1,783)	85,188 (9,138)	80,718 (12,462)	22,157 (4,561)	2,398 (1,445)	43,898 (13,536)	15,511 (4,362)	324,020 (23,075)
1994	9,169 (2,771)	18,725 (3,885)	14,211 (2,994)	17,003 (3,743)	1,141 (632)	103,436 (11,632)	135,389 (25,692)	24,237 (3,261)	1,730 (810)	54,010 (10,840)	42,623 (14,073)	427,254 (31,354)
1995	11,614 (3,605)	17,598 (4,580)	21,478 (2,951)	15,065 (3,696)	1,686 (631)	106,384 (12,415)	120,118 (22,611)	27,552 (4,144)	448 (241)	33,206 (9,428)	30,721 (10,997)	404,837 (30,111)
1996	4,577 (1,617)	20,557 (4,845)	19,339 (3,637)	13,403 (2,485)	1,827 (676)	106,960 (12,539)	108,731 (16,612)	27,233 (4,247)	203 (144)	36,448 (10,342)	43,512 (13,535)	403,919 (28,367)
1997	12,424 (3,585)	16,060 (4,052)	24,955 (4,355)	13,091 (3,211)	3,082 (1,010)	101,325 (10,335)	109,767 (15,593)	24,674 (4,280)	1,278 (777)	27,810 (5,872)	27,752 (7,517)	383,296 (23,653)
1998	7,514 (2,515)	13,083 (2,801)	24,522 (3,664)	13,182 (3,298)	1,846 (771)	101,794 (12,286)	92,453 (10,692)	24,492 (3,321)	1,044 (492)	39,364 (10,475)	30,122 (9,570)	374,612 (24,079)
1999	9,658 (3,117)	18,576 (4,680)	24,555 (3,500)	17,397 (4,473)	1,654 (1,105)	95,972 (11,973)	121,515 (17,768)	28,639 (4,004)	2,126 (1,231)	44,717 (12,158)	34,322 (13,087)	421,492 (28,771)
2000	8,728 (2,604)	16,724 (3,742)	22,244 (4,110)	17,014 (4,352)	2,185 (1,021)	102,039 (12,735)	88,443 (12,907)	25,032 (2,823)	1,320 (776)	28,597 (7,844)	20,057 (4,736)	359,398 (22,288)
2001	15,645 (4,313)	11,063 (2,987)	25,216 (3,864)	17,029 (3,265)	737 (318)	110,485 (14,399)	89,243 (10,836)	23,941 (3,251)	1,772 (818)	40,180 (7,785)	29,973 (9,211)	385,824 (23,400)
2002	10,537 (4,710)	16,677 (4,223)	25,084 (3,518)	19,428 (4,101)	1,522 (734)	114,983 (15,141)	84,534 (11,648)	28,933 (4,404)	2,101 (1,549)	43,575 (9,371)	33,911 (11,623)	400,730 (26,599)
2003	13,740 (3,852)	12,570 (3,764)	29,096 (4,759)	13,495 (2,735)	1,269 (443)	96,292 (12,818)	82,302 (12,498)	25,208 (3,360)	1,255 (769)	18,749 (4,124)	32,713 (14,617)	347,309 (22,299)
2004	19,108 (5,598)	25,406 (7,456)	23,566 (4,438)	19,366 (3,613)	3,864 (1,508)	90,629 (10,964)	84,806 (12,051)	30,633 (5,143)	576 (363)	21,086 (4,331)	32,192 (10,235)	387,141 (25,135)
2005	9,986 (2,426)	24,693 (6,997)	26,055 (5,595)	13,271 (2,334)	1,634 (511)	102,809 (14,403)	95,685 (15,016)	22,178 (4,130)	1,123 (729)	15,945 (2,802)	26,331 (9,781)	358,214 (25,213)
2006	12,521 (4,641)	17,788 (4,251)	26,368 (4,438)	16,742 (3,211)	1,269 (634)	73,875 (11,409)	80,667 (12,604)	27,569 (3,993)	NS ^a	24,789 (4,423)	34,064 (8,697)	345,742 (22,568)
2007	6,973 (1,994)	19,351 (5,547)	23,353 (4,434)	16,716 (3,461)	2,006 (613)	85,664 (10,773)	90,238 (14,672)	25,426 (3,722)	576 (363)	17,452 (3,625)	18,223 (6,575)	332,549 (22,778)
2008	10,517 (4,302)	16,647 (6,211)	23,570 (4,976)	17,936 (3,540)	1,269 (634)	86,169 (13,155)	65,739 (9,455)	21,879 (2,873)	2,568 (895)	21,305 (3,515)	17,054 (6,080)	301,700 (19,728)

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Sheet MALL

Revision: JDK

7/17/2008

^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for black ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	1,132 (1,130)	15,025 (3,217)	5,901 (1,661)	1,965 (1,176)	1,009 (1,006)	11,954 (6,066)	2,529 (1,933)	12,397 (2,129)	4,507 (2,016)	8,372 (3,353)	10,860 (6,102)	80,158 (11,033)
1994	1,403 (1,402)	6,237 (2,769)	2,869 (1,073)	1,120 (720)	39 (23)	12,980 (4,152)	994 (766)	16,564 (3,737)	2,668 (2,149)	5,539 (3,013)	8,557 (3,724)	60,930 (8,667)
1995	10,904 (8,498)	15,706 (10,607)	5,894 (2,714)	858 (551)	26 (24)	12,696 (3,945)	3,776 (1,886)	14,243 (3,847)	301 (137)	4,937 (1,741)	2,859 (1,574)	72,507 (13,169)
1996	1,403 (1,402)	11,568 (4,700)	7,215 (2,391)	355 (257)	26 (14)	3,580 (1,950)	1,299 (959)	25,950 (7,897)	1,598 (1,427)	6,448 (1,935)	2,757 (1,547)	77,316 (17,521)
1997	1,403 (1,402)	6,925 (2,646)	12,012 (3,881)	3,048 (1,553)	13 (12)	8,643 (2,917)	2,889 (1,565)	15,778 (4,677)	1,070 (732)	2,433 (908)	12,609 (6,543)	65,578 (9,050)
1998	0 (0)	9,164 (3,270)	9,713 (3,846)	456 (357)	26 (14)	12,667 (5,130)	2,749 (1,511)	26,200 (9,359)	1,250 (766)	2,433 (656)	1,976 (1,161)	81,689 (20,458)
1999	1,270 (879)	7,671 (3,320)	6,815 (2,075)	1,158 (1,015)	33 (30)	10,173 (3,499)	2,889 (1,743)	34,592 (10,965)	1,371 (747)	2,222 (588)	4,336 (2,019)	82,421 (14,392)
2000	581 (580)	7,342 (2,589)	6,548 (1,905)	1,864 (1,143)	39 (23)	11,839 (3,662)	709 (510)	30,225 (8,904)	4,761 (1,816)	5,026 (1,128)	5,420 (2,177)	87,009 (15,421)
2001	635 (634)	2,660 (1,325)	5,907 (2,159)	2,407 (1,245)	52 (48)	15,030 (5,247)	4,052 (2,845)	20,622 (5,680)	4,567 (2,024)	3,808 (912)	4,974 (2,524)	69,627 (11,263)
2002	3,667 (1,948)	8,301 (2,870)	7,838 (2,564)	228 (163)	0 (0)	6,679 (2,467)	4,020 (2,883)	19,597 (5,022)	4,592 (2,423)	3,406 (1,434)	1,903 (1,084)	68,637 (12,211)
2003	1,132 (788)	4,887 (2,423)	6,118 (2,868)	722 (271)	0 (0)	12,050 (4,128)	1,245 (887)	18,859 (4,725)	3,618 (1,641)	899 (423)	4,579 (3,303)	64,898 (11,357)
2004	2,806 (1,773)	8,814 (3,409)	5,214 (2,223)	405 (305)	0 (0)	4,754 (2,396)	0 (0)	15,593 (3,186)	6,634 (4,251)	6,672 (2,996)	2,950 (2,128)	53,891 (7,713)
2005	566 (565)	9,212 (3,355)	2,507 (1,490)	583 (265)	0 (0)	10,770 (3,584)	0 (0)	12,743 (3,222)	1,959 (971)	3,568 (1,117)	2,634 (1,487)	49,745 (8,469)
2006	0 (0)	7,606 (2,781)	853 (539)	507 (431)	13 (12)	12,223 (3,942)	0 (0)	14,908 (3,324)	NS ^a	4,242 (1,280)	2,575 (2,115)	51,924 (8,880)
2007	0 (0)	3,808 (2,156)	3,681 (1,789)	1,741 (1,093)	0 (0)	14,743 (8,059)	3,433 (2,052)	17,991 (3,765)	4,748 (2,009)	3,861 (1,125)	1,447 (1,081)	62,355 (11,608)
2008	1,403 (1,402)	1,456 (997)	2,325 (1,190)	456 (192)	0 (0)	16,674 (7,798)	537 (536)	22,398 (6,534)	3,317 (2,190)	2,116 (851)	234 (107)	65,121 (16,838)

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.**Breeding pairs estimates (SE) for black ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.**

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	566 (565)	7,513 (1,608)	2,889 (810)	945 (577)	505 (503)	5,977 (3,033)	1,264 (967)	5,803 (990)	2,254 (1,008)	4,186 (1,676)	5,430 (3,051)	39,464 (5,485)
1994	702 (701)	3,118 (1,385)	1,434 (536)	560 (360)	20 (11)	6,490 (2,076)	497 (383)	7,587 (1,735)	1,184 (1,066)	2,769 (1,507)	4,161 (1,854)	29,472 (4,255)
1995	3,348 (2,187)	7,853 (5,303)	2,772 (1,325)	429 (276)	13 (12)	5,533 (1,804)	1,888 (943)	6,330 (1,574)	150 (69)	2,310 (839)	1,429 (787)	32,670 (5,919)
1996	702 (701)	5,784 (2,350)	3,542 (1,190)	177 (129)	13 (7)	1,694 (970)	649 (480)	9,599 (2,388)	799 (713)	2,827 (917)	1,379 (774)	31,674 (5,042)
1997	702 (701)	3,463 (1,323)	4,500 (1,191)	1,524 (777)	7 (6)	4,059 (1,426)	1,444 (783)	7,112 (2,040)	535 (366)	1,217 (454)	5,830 (3,216)	29,792 (4,079)
1998	0 (0)	4,582 (1,635)	4,856 (1,923)	228 (179)	13 (7)	6,334 (2,565)	1,375 (755)	8,692 (2,572)	625 (383)	1,217 (328)	988 (580)	31,833 (4,885)
1999	635 (440)	3,836 (1,660)	3,346 (1,035)	579 (507)	0 (0)	5,087 (1,749)	1,444 (871)	15,008 (4,827)	685 (374)	1,111 (294)	2,168 (1,010)	38,693 (6,902)
2000	291 (290)	3,671 (1,295)	2,997 (889)	932 (572)	20 (11)	5,423 (1,800)	354 (255)	11,983 (2,873)	1,779 (814)	2,275 (489)	2,285 (1,041)	36,006 (4,620)
2001	318 (317)	1,330 (663)	2,954 (1,079)	1,204 (622)	26 (24)	7,489 (2,623)	2,026 (1,422)	8,969 (2,330)	2,284 (1,012)	1,904 (456)	2,487 (1,262)	31,942 (4,544)
2002	1,834 (974)	4,151 (1,435)	3,919 (1,282)	114 (82)	0 (0)	2,568 (1,148)	2,010 (1,442)	7,997 (1,493)	2,221 (1,203)	1,703 (717)	878 (539)	29,026 (3,645)
2003	566 (394)	2,443 (1,212)	3,059 (1,434)	253 (94)	0 (0)	5,472 (2,038)	622 (444)	8,370 (1,769)	1,809 (820)	264 (128)	2,290 (1,651)	28,863 (4,186)
2004	1,403 (887)	4,407 (1,704)	2,607 (1,111)	203 (153)	0 (0)	2,377 (1,198)	0 (0)	7,344 (1,467)	1,545 (585)	2,959 (1,481)	1,475 (1,064)	25,028 (3,499)
2005	283 (282)	4,606 (1,677)	1,254 (745)	291 (132)	0 (0)	4,668 (1,666)	0 (0)	5,312 (1,136)	980 (485)	1,731 (560)	1,317 (743)	21,471 (3,127)
2006	0 (0)	3,803 (1,391)	426 (270)	253 (215)	7 (6)	6,111 (1,971)	0 (0)	7,083 (1,578)	NS ^a	2,121 (640)	1,200 (1,055)	24,907 (4,225)
2007	0 (0)	925 (535)	1,840 (895)	870 (547)	0 (0)	7,100 (4,027)	1,717 (1,026)	6,654 (943)	2,374 (1,004)	1,269 (348)	611 (530)	24,714 (4,253)
2008	702 (701)	728 (498)	1,163 (595)	228 (96)	0 (0)	8,337 (3,899)	269 (268)	7,628 (1,382)	1,659 (1,095)	793 (291)	117 (54)	24,204 (4,360)

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for wood ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	12,627 (7,121)	24,378 (9,850)	7,727 (2,975)	9,376 (2,642)	336 (335)	75,604 (18,333)	81,499 (16,816)	11,223 (2,909)	1,538 (1,421)	43,392 (17,056)	42,689 (10,415)	311,924 (32,660)
1994	6,558 (5,652)	19,071 (6,535)	11,325 (3,341)	11,447 (4,781)	718 (716)	71,799 (13,721)	98,843 (23,433)	8,333 (2,002)	1,538 (1,421)	52,964 (22,874)	44,533 (12,929)	323,285 (34,730)
1995	13,386 (4,905)	23,462 (8,319)	18,987 (5,709)	9,056 (3,086)	359 (358)	98,796 (16,042)	95,397 (14,928)	13,542 (3,245)	709 (708)	17,278 (5,923)	68,575 (23,729)	367,019 (35,473)
1996	7,169 (3,145)	33,325 (15,989)	17,984 (4,712)	16,923 (7,064)	359 (358)	75,565 (16,345)	87,659 (13,003)	19,177 (4,414)	1,418 (1,416)	14,112 (6,166)	48,773 (12,129)	344,659 (32,139)
1997	5,225 (2,141)	15,105 (6,175)	21,096 (5,015)	14,026 (5,343)	1,435 (1,431)	88,738 (14,641)	123,140 (18,308)	15,511 (3,331)	301 (185)	13,274 (4,984)	58,383 (19,257)	385,644 (33,863)
1998	10,713 (5,098)	16,277 (5,633)	20,233 (4,704)	13,370 (4,483)	1,435 (975)	101,011 (15,803)	112,629 (15,509)	18,997 (3,716)	2,247 (2,125)	10,482 (3,408)	68,637 (16,808)	382,778 (28,585)
1999	15,113 (6,165)	16,280 (5,266)	27,632 (6,183)	27,632 (6,183)	3,872 (2,506)	1,794 (1,450)	97,010 (16,982)	122,783 (21,882)	20,475 (4,459)	2,956 (2,834)	15,702 (6,099)	402,170 (34,542)
2000	13,092 (6,845)	21,232 (7,157)	18,623 (5,357)	11,541 (4,258)	1,794 (1,450)	85,140 (13,732)	92,648 (14,268)	17,232 (4,196)	1,010 (737)	13,527 (3,848)	93,165 (34,725)	376,212 (35,008)
2001	4,468 (1,996)	8,814 (3,637)	15,636 (4,144)	14,499 (5,287)	1,076 (574)	89,922 (15,584)	116,298 (16,905)	18,534 (4,212)	1,418 (959)	10,685 (4,368)	74,680 (25,694)	388,204 (37,891)
2002	9,077 (4,031)	35,435 (12,473)	21,248 (5,478)	7,897 (2,494)	336 (335)	94,675 (16,697)	132,858 (21,639)	21,305 (5,203)	1,536 (1,534)	19,132 (5,423)	53,293 (18,841)	420,000 (37,804)
2003	8,984 (4,381)	22,043 (7,430)	19,797 (4,619)	10,504 (3,235)	359 (358)	89,158 (14,863)	93,711 (15,376)	19,510 (4,714)	0 (0)	13,005 (3,550)	36,027 (12,734)	341,945 (29,497)
2004	8,256 (3,994)	43,458 (19,847)	19,184 (5,178)	14,499 (3,218)	769 (521)	74,408 (13,971)	94,736 (18,242)	19,712 (5,285)	769 (710)	16,703 (6,564)	45,646 (14,411)	360,185 (36,035)
2005	3,441 (1,883)	39,615 (14,358)	15,394 (4,493)	11,511 (3,621)	2,153 (1,554)	90,456 (14,987)	132,552 (28,116)	15,220 (3,171)	709 (708)	17,429 (5,615)	56,422 (17,448)	413,558 (38,981)
2006	4,318 (2,946)	18,948 (6,133)	22,578 (6,090)	13,081 (3,183)	718 (488)	91,206 (15,520)	128,009 (23,639)	20,689 (4,203)	NS ^a	20,718 (6,546)	41,470 (11,501)	400,967 (34,124)
2007	6,273 (3,134)	25,985 (13,436)	31,067 (8,671)	22,076 (7,943)	359 (358)	102,129 (18,959)	127,848 (21,006)	19,258 (4,343)	1,538 (1,421)	11,411 (3,251)	40,155 (11,660)	420,574 (36,086)
2008	10,953 (6,402)	21,879 (8,400)	48,889 (20,098)	21,101 (7,755)	718 (716)	105,303 (16,846)	87,924 (13,865)	18,466 (3,604)	4,774 (3,216)	11,260 (4,320)	29,848 (10,696)	386,127 (34,468)

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Sheet WOOD

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for wood ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	6,314 (3,561)	11,514 (4,697)	3,864 (1,487)	4,688 (1,321)	168 (168)	35,620 (8,821)	33,895 (5,787)	5,386 (1,424)	769 (710)	16,668 (5,562)	19,412 (4,550)	140,506 (14,229)
1994	3,279 (2,826)	7,646 (2,695)	5,663 (1,670)	4,823 (1,786)	359 (358)	32,405 (5,741)	43,165 (7,983)	4,167 (1,001)	769 (710)	24,014 (9,780)	22,266 (6,464)	148,298 (14,448)
1995	6,693 (2,452)	11,731 (4,160)	9,494 (2,854)	4,528 (1,543)	179 (179)	45,054 (7,308)	41,605 (6,584)	6,506 (1,460)	354 (354)	7,985 (2,683)	34,287 (11,864)	172,944 (16,949)
1996	3,585 (1,573)	13,220 (6,008)	8,992 (2,356)	8,461 (3,532)	179 (179)	31,796 (6,745)	42,375 (6,164)	7,310 (1,547)	709 (708)	7,056 (3,083)	24,387 (6,065)	156,201 (14,023)
1997	2,612 (1,071)	7,553 (3,088)	10,548 (2,507)	7,013 (2,671)	718 (716)	42,859 (7,077)	57,733 (8,852)	7,067 (1,500)	150 (92)	6,637 (2,492)	28,912 (9,613)	186,127 (16,610)
1998	5,356 (2,549)	8,139 (2,817)	10,117 (2,352)	5,176 (1,411)	718 (488)	48,226 (7,466)	52,368 (7,371)	9,499 (1,858)	1,124 (1,063)	5,241 (1,704)	34,319 (8,404)	184,725 (13,938)
1999	7,557 (3,083)	8,140 (2,633)	13,816 (3,091)	1,936 (1,253)	897 (725)	46,988 (8,062)	59,011 (10,253)	10,237 (2,230)	1,478 (1,417)	7,851 (3,049)	26,312 (6,546)	195,197 (16,512)
2000	4,441 (1,604)	10,616 (3,578)	9,311 (2,678)	5,771 (2,129)	897 (725)	42,334 (6,800)	43,296 (6,427)	8,491 (2,078)	505 (368)	6,764 (1,924)	31,312 (8,754)	174,417 (15,066)
2001	2,011 (985)	4,407 (1,818)	7,818 (2,072)	7,249 (2,644)	538 (287)	43,904 (7,712)	56,276 (8,271)	8,275 (1,738)	709 (479)	5,343 (2,184)	37,340 (12,847)	187,322 (18,336)
2002	4,539 (2,015)	16,503 (6,107)	10,624 (2,739)	3,948 (1,247)	168 (168)	45,145 (8,091)	65,684 (10,888)	10,490 (2,572)	768 (767)	9,566 (2,711)	20,064 (6,939)	202,090 (18,298)
2003	4,492 (2,190)	11,022 (3,715)	9,898 (2,310)	5,252 (1,617)	179 (179)	41,733 (7,323)	46,855 (7,688)	9,663 (2,353)	0 (0)	6,503 (1,775)	16,697 (6,134)	167,135 (14,664)
2004	3,279 (1,808)	20,054 (8,545)	9,592 (2,589)	7,249 (1,609)	384 (260)	37,204 (6,986)	47,368 (9,121)	9,856 (2,643)	385 (355)	7,953 (3,182)	17,898 (5,680)	173,292 (16,971)
2005	1,721 (942)	17,575 (6,665)	7,697 (2,247)	5,755 (1,810)	1,076 (777)	44,331 (7,442)	60,536 (11,653)	7,610 (1,585)	354 (354)	7,538 (2,171)	26,105 (7,521)	195,916 (17,690)
2006	2,159 (1,473)	9,474 (3,067)	11,289 (3,045)	6,541 (1,591)	359 (244)	45,603 (7,760)	61,014 (11,650)	10,344 (2,102)	NS ^a	8,137 (2,425)	19,155 (4,932)	194,578 (16,713)
2007	3,137 (1,567)	12,993 (6,718)	15,533 (4,336)	11,038 (3,972)	179 (179)	44,145 (6,893)	56,671 (7,538)	9,629 (2,172)	769 (710)	5,706 (1,625)	20,077 (5,830)	196,717 (15,616)
2008	5,477 (3,201)	7,597 (2,724)	24,445 (10,049)	10,550 (3,877)	359 (358)	51,134 (7,980)	42,791 (6,792)	9,233 (1,802)	792 (486)	5,630 (2,160)	14,924 (5,348)	185,867 (16,642)

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Sheet WOOD

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for gadwall from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,403 (1,402)	0 (0)	248 (247)	51 (49)	0 (0)	2,110 (1,170)	848 (845)	927 (715)	1,010 (747)	0 (0)	0 (0)	8,933 (3,494)
2004	0 (0)	0 (0)	0 (0)	25 (24)	0 (0)	6,353 (3,192)	2,403 (2,128)	438 (274)	60 (59)	188 (187)	0 (0)	11,247 (5,272)
2005	0 (0)	0 (0)	0 (0)	51 (31)	0 (0)	70 (43)	6,362 (6,339)	501 (496)	0 (0)	212 (144)	0 (0)	16,062 (14,012)
2006	0 (0)	0 (0)	1,090 (1,048)	51 (49)	0 (0)	70 (43)	1,272 (896)	1,055 (954)	NS ^a	582 (477)	0 (0)	7,199 (3,320)
2007	0 (0)	0 (0)	2,261 (1,698)	0 (0)	0 (0)	2,293 (1,313)	0 (0)	326 (146)	0 (0)	212 (144)	2,106 (2,104)	6,230 (2,321)
2008	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	585.3333 543.8791	3251.543 2967.6	269.6449 136.3552	180.5 127.3808	211.5789 209.5694	0 (0)	8438.205 6539.852

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Sheet GADW-Teal

Revision: RVR 7/9/2007

^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for gadwall from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	702 (701)	0 (0)	124 (123)	25 (24)	0 (0)	1,055 (585)	424 (423)	464 (358)	505 (374)	0 (0)	0 (0)	4,466 (1,747)
2004	0 (0)	0 (0)	0 (0)	13 (12)	0 (0)	3,177 (1,596)	141 (141)	219 (137)	30 (30)	0 (0)	0 (0)	3,259 (1,265)
2005	0 (0)	0 (0)	0 (0)	25 (15)	0 (0)	35 (21)	0 (0)	250 (248)	0 (0)	106 (72)	0 (0)	1,071 (897)
2006	0 (0)	0 (0)	545 (524)	25 (24)	0 (0)	35 (21)	283 (282)	157 (117)	NS ^a	106 (72)	0 (0)	1,754 (839)
2007	0 (0)	0 (0)	1,131 (849)	0 (0)	0 (0)	1,146 (656)	0 (0)	163 (73)	0 (0)	106 (72)	1,053 (1,052)	3,115 (1,160)
2008	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	292.6667 271.9395	141.3714 140.8705	134.8225 68.17759	90.25 63.69038	105.7895 104.7847	0 (0)	971.3992 429.666

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Sheet GADW-Teal

Revision: RVR 12/11/2007

^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for American green-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	5,612 (5,608)	2,161 (1,284)	524 (523)	1,032 (1,005)	0 (0)	11,062 (5,425)	5,803 (3,467)	14,716 (5,450)	0 (0)	17,082 (8,003)	306 (301)	60,173 (13,237)
2004	2,806 (1,773)	1,005 (714)	648 (531)	25 (24)	0 (0)	13,613 (7,349)	9,138 (4,441)	8,274 (2,976)	1,805 (1,197)	31,142 (16,425)	1,053 (1,052)	55,016 (13,356)
2005	0 (0)	558 (557)	1,049 (733)	152 (146)	0 (0)	3,587 (2,319)	7,089 (3,953)	5,804 (1,775)	7,847 (4,182)	12,505 (9,702)	0 (0)	36,321 (9,097)
2006	0 (0)	647 (549)	1,614 (888)	51 (49)	0 (0)	10,544 (6,118)	7,172 (3,960)	13,025 (4,531)	NS ^a	29,304 (19,365)	1,409 (1,408)	64,402 (17,330)
2007	0 (0)	0 (0)	4,196 (2,406)	0 (0)	0 (0)	9,393 (3,182)	5,064 (3,037)	10,567 (3,099)	3,276 (2,306)	16,344 (7,594)	6,319 (6,313)	55,108 (11,019)
2008	1,403 (1,402)	836 (835)	1,898 (1,087)	380 (180)	0 (0)	17,557 (9,368)	1,979 (1,146)	10,004 (3,908)	602 (418)	846 (596)	556 (555)	43,995 (12,720)

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Sheet GADW-Teal

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Breeding pairs estimates (SE) for American green-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	702 (701)	1,080 (642)	262 (262)	516 (502)	0 (0)	3,570 (2,209)	2,902 (1,733)	1,598 (706)	0 (0)	423 (256)	0 (0)	12,622 (3,510)
2004	1,403 (887)	503 (357)	324 (265)	13 (12)	0 (0)	4,870 (3,256)	2,240 (1,121)	288 (182)	0 (0)	0 (0)	527 (526)	8,690 (2,743)
2005	0 (0)	279 (279)	524 (366)	76 (73)	0 (0)	1,794 (1,160)	2,520 (1,377)	1,122 (455)	0 (0)	106 (72)	0 (0)	7,389 (2,106)
2006	0 (0)	323 (274)	807 (444)	25 (24)	0 (0)	5,062 (3,052)	3,586 (1,980)	1,137 (505)	NS ^a	106 (72)	705 (704)	13,665 (4,194)
2007	0 (0)	0 (0)	2,098 (1,203)	0 (0)	0 (0)	3,669 (1,430)	2,532 (1,519)	1,455 (424)	0 (0)	1,428 (1,093)	0 (0)	13,155 (3,851)
2008	702 (701)	418 (417)	546 (367)	190 (90)	0 (0)	7,523 (3,779)	990 (573)	226 (150)	120 (67)	0 (0)	278 (278)	12,172 (4,315)

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Sheet GADW-Teal

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Population estimates (SE) for blue-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	8,303 (4,166)	1,273 (810)	1,753 (1,295)	15,242 (9,154)	0 (0)	6,845 (6,840)	33,948 (11,397)
2004	0 (0)	558 (557)	1,049 (733)	0 (0)	0 (0)	10,177 (5,439)	8,041 (3,820)	1,584 (1,096)	9,072 (8,850)	377 (374)	3,872 (2,226)	39,344 (11,862)
2005	0 (0)	0 (0)	524 (523)	25 (24)	0 (0)	14,089 (7,730)	2,746 (1,764)	57 (55)	1,418 (959)	529 (426)	1,966 (1,514)	19,066 (6,467)
2006	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3,614 (2,960)	1,979 (1,972)	212 (211)	NS ^a	0 (0)	0 (0)	8,988 (5,556)
2007	0 (0)	0 (0)	524 (523)	0 (0)	0 (0)	7,440 (5,976)	12,650 (8,208)	1,060 (757)	602 (592)	6,426 (4,195)	6,675 (5,446)	42,505 (19,342)
2008	0 (0)	0 (0)	687 (686)	0 (0)	0 (0)	6,457 (6,448)	1,840 (1,233)	0 (0)	3,949 (2,177)	0 (0)	0 (0)	15,116 (8,203)

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Sheet GADW-Teal

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Breeding pairs estimates (SE) for blue-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4,151 (2,083)	637 (405)	877 (648)	30 (30)	0 (0)	0 (0)	7,445 (2,891)
2004	0 (0)	279 (279)	524 (366)	0 (0)	0 (0)	5,088 (2,719)	4,021 (1,910)	792 (548)	30 (30)	0 (0)	1,936 (1,113)	16,342 (5,024)
2005	0 (0)	0 (0)	262 (262)	13 (12)	0 (0)	3,948 (1,624)	1,373 (882)	28 (28)	709 (479)	53 (52)	983 (757)	7,251 (2,110)
2006	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1,807 (1,480)	990 (986)	106 (105)	NS ^a	0 (0)	0 (0)	4,494 (2,778)
2007	0 (0)	0 (0)	262 (262)	0 (0)	0 (0)	2,604 (1,900)	4,911 (2,778)	530 (378)	0 (0)	370 (266)	705 (704)	13,444 (6,211)
2008	0 (0)	0 (0)	344 (343)	0 (0)	0 (0)	3,228 (3,224)	920 617	0 (0)	1,448 (959)	0 (0)	0 (0)	7,041 (4,070)

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Population estimates (SE) for common mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total											
2003	3,106 (2,061)	10,418 (5,643)	1,922 (993)	2,485 (1,646)	0 (0)	11,280 (4,239)	17,831 (5,011)	544 (257)	0 (0)	212 (210)	0 (0)	45,653 (8,306)											
2004	1,201 (849)	2,510 (1,485)	1,818 (1,394)	1,479 (1,109)	0 (0)	25,218 (14,003)	14,671 (4,199)	754 (600)	0 (0)	0 (0)	0 (0)	49,163 (14,923)											
2005	6,478 (3,523)	3,294 (1,866)	0 (0)	2,424 (1,579)	0 (0)	10,652 (3,884)	12,916 (3,296)	603 (509)	0 (0)	0 (0)	1,053 (1,052)	40,220 (7,027)											
2006	4,445 (4,438)	8,373 (6,746)	0 (0)	473 (471)	0 (0)	7,076 (3,126)	15,167 (5,198)	849 (435)	NS ^a	370 (367)	0 (0)	43,214 (12,409)											
2007	4,585 (2,557)	6,481 (2,606)	1,573 (1,570)	9,124 (4,933)	0 (0)	7,738 (3,570)	17,429 (7,062)	663 (417)	0 (0)	0 (0)	0 (0)	49,230 (9,710)											
2008	2471.111	5550.785	5452.71	2565.159	687.375	686.3743	503.1304	502.1294	0	0	8532.413	3273.765	18772.64	4949.1872	568.0464	353.7373	0	0	0	0	0	39515.249	7084.1235

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7/17/2008

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Breeding pair estimates (SE) for common mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total											
2003	1,553 (1,030)	2,983 (1,180)	868 (489)	1,243 (823)	0 (0)	4,484 (1,809)	8,915 (2,505)	112 (88)	0 (0)	0 (0)	0 (0)	19,561 (3,432)											
2004	601 (425)	1,255 (743)	909 (697)	739 (555)	0 (0)	10,377 (6,637)	5,951 (1,800)	84 (83)	0 (0)	0 (0)	0 (0)	19,544 (6,891)											
2005	2,287 (1,490)	1,647 (933)	0 (0)	1,212 (790)	0 (0)	5,326 (1,942)	5,389 (1,234)	50 (50)	0 (0)	0 (0)	527 (526)	17,369 (2,961)											
2006	2,223 (2,219)	810 (451)	0 (0)	236 (236)	0 (0)	3,315 (1,550)	7,583 (2,599)	247 (129)	NS ^a	0 (0)	0 (0)	17,233 (5,117)											
2007	1,585 (864)	3,240 (1,303)	787 (785)	724 (370)	0 (0)	3,869 (1,785)	6,768 (2,143)	156 (117)	0 (0)	0 (0)	0 (0)	17,620 (3,119)											
2008	1235.556	752.8923	2726.355	1282.58	343.6875	343.1871	251.5652	251.0647	0	0	4266.206	1636.883	8534.583	2338.3223	284.0232	176.8687	0	0	0	0	0	18520.404	3328.8058

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7/17/2008

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Population estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,969 (1,512)	7,561 (2,967)	1,171 (831)	0 (0)	0 (0)	12,491 (4,285)	4,247 (1,528)	224 (175)	0 (0)	318 (317)	504 (503)	28,878 (5,518)
2004	1,201 (849)	4,182 (1,860)	4,284 (2,307)	0 (0)	0 (0)	29,803 (10,534)	1,272 (896)	1,054 (954)	0 (0)	0 (0)	56 (55)	44,143 (11,366)
2005	0 (0)	11,696 (4,933)	2,745 (1,416)	1,890 (1,896)	0 (0)	13,347 (4,936)	9,625 (4,305)	547 (394)	0 (0)	0 (0)	1,669 (1,666)	43,035 (9,921)
2006	0 (0)	6,938 (2,172)	524 (523)	473 (471)	359 (358)	17,684 (8,519)	7,646 (5,075)	314 (234)	NS ^a	0 (0)	0 (0)	34,355 (9,931)
2007	2,899 (1,882)	12,756 (4,370)	2,343 (1,485)	498 (472)	0 (0)	17,398 (6,690)	2,972 (2,175)	0 (0)	0 (0)	6,125 (5,808)	538 (537)	43,121 (9,356)
2008	5,652 (4,366)	7,774 (2,552)	3,111 (1,327)	0 (0)	0 (0)	14,198 (5,731)	3,031 (1,615)	0 (0)	0 (0)	0 (0)	0 (0)	31,197 (6,878)

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Breeding pair estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	985 (756)	3,781 (1,484)	586 (416)	0 (0)	0 (0)	4,117 (1,605)	2,123 (764)	112 (88)	0 (0)	159 (159)	252 (252)	12,783 (2,555)
2004	601 (425)	2,091 (930)	2,142 (1,153)	0 (0)	0 (0)	14,901 (5,267)	283 (282)	50 (50)	0 (0)	0 (0)	28 (28)	20,158 (5,514)
2005	0 (0)	5,848 (2,466)	1,372 (708)	945 (943)	0 (0)	6,674 (2,468)	4,388 (2,026)	273 (197)	0 (0)	0 (0)	0 (0)	20,051 (4,130)
2006	0 (0)	3,469 (1,086)	262 (262)	236 (236)	179 (179)	4,710 (1,954)	2,053 (917)	157 (117)	NS ^a	0 (0)	0 (0)	11,563 (2,463)
2007	1,450 (941)	5,366 (1,766)	1,171 (743)	249 (236)	0 (0)	8,699 (3,345)	1,486 (1,087)	0 (0)	0 (0)	159 (157)	269 (268)	18,673 (4,069)
2008	2,826 (2,183)	3,887 (1,276)	1,556 (664)	0 (0)	0 (0)	5,330 (2,573)	1,516 (807)	0 (0)	0 (0)	0 (0)	0 (0)	14,361 (3,322)

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Population estimates (SE) for total ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	27,937 (8,254)	89,370 (26,752)	39,141 (6,187)	39,182 (7,427)	9,445 (3,682)	289,500 (35,978)	271,308 39268.293	74,003 (11,805)	29,303 (18,654)	152,272 (39,301)	94,185 (18,466)	1,157,431 (77,386)
1994	27,701 (8,395)	65,141 (14,236)	43,253 (7,745)	48,629 (10,745)	3,039 (1,881)	308,416 (32,723)	376,844 (61,014)	80,723 (9,575)	7,667 (3,544)	171,825 (38,194)	146,064 (36,700)	1,297,308 (83,971)
1995	64,990 (33,903)	89,722 (26,375)	74,282 (13,254)	41,630 (9,013)	3,757 (1,354)	372,600 (49,406)	372,427 (55,686)	97,538 (12,697)	1,966 (897)	105,589 (23,704)	140,112 (33,909)	1,408,462 (95,237)
1996	24,554 (8,188)	90,141 (26,998)	75,655 (12,809)	45,618 (10,383)	5,652 (1,707)	348,983 (44,643)	340,004 (42,178)	122,483 (17,957)	3,423 (1,945)	118,925 (29,137)	173,120 (36,771)	1,430,907 (89,097)
1997	32,929 (8,654)	54,151 (12,091)	100,209 (16,228)	46,299 (8,841)	8,510 (2,950)	320,308 (32,462)	410,875 (51,513)	92,993 (12,914)	4,108 (1,673)	88,936 (17,075)	142,381 (45,334)	1,423,481 (86,489)
1998	27,143 (7,553)	56,644 (12,089)	82,362 (11,964)	40,240 (9,790)	5,691 (2,070)	339,783 (36,184)	407,306 (81,096)	104,832 (14,109)	37,424 (19,631)	102,968 (22,598)	188,013 (49,506)	1,443,980 (105,488)
1999	39,086 (10,871)	70,997 (16,937)	93,551 (12,292)	44,353 (11,521)	11,413 (8,381)	357,063 (45,262)	422,037 (54,193)	127,458 (16,308)	10,792 (6,634)	123,464 (29,649)	137,673 (33,121)	1,522,687 (92,069)
2000	41,876 (12,932)	74,708 (20,360)	75,197 (12,500)	48,197 (10,013)	6,204 (2,450)	341,615 (37,632)	859,305 (58,824)	130,801 (17,166)	17,870 (8,202)	91,609 (17,218)	153,422 (41,170)	1,933,520 (663,002)
2001	39,199 (10,365)	36,840 (9,925)	79,886 (10,582)	51,179 (10,123)	2,609 (888)	355,508 (41,107)	358,666 (43,961)	104,728 (12,187)	9,528 (3,485)	106,331 (17,052)	149,960 (36,122)	1,397,361 (84,256)
2002	35,233 (12,186)	79,925 (22,636)	98,787 (15,927)	47,006 (9,988)	3,549 (1,563)	351,069 (43,100)	376,533 (51,465)	107,985 (13,753)	10,480 (5,566)	132,963 (23,583)	140,147 (38,152)	1,465,779 (92,127)
2003	44,611 (14,029)	54,231 (16,193)	98,498 (16,507)	40,633 (6,700)	3,255 (1,021)	329,086 (38,129)	272,948 (36,862)	106,420 (14,046)	22,380 (11,521)	102,337 (24,274)	120,556 (35,876)	1,266,174 (73,737)
2004	53,486 (15,570)	106,472 (35,309)	83,919 (15,961)	54,946 (8,645)	8,496 (2,962)	324,510 (41,436)	314,787 (40,629)	109,326 (14,950)	23,038 (17,255)	143,025 (40,373)	117,904 (29,922)	1,417,399 (89,677)
2005	54,067 (25,731)	117,180 (37,044)	76,134 (15,438)	42,133 (8,230)	5,421 (1,737)	354,918 (45,029)	387,079 (65,493)	81,034 (10,037)	14,359 (4,590)	80,840 (16,482)	122,912 (28,730)	1,416,238 (108,937)
2006	39,830 (14,376)	81,474 (22,990)	87,148 (15,103)	48,431 (8,066)	3,275 (1,366)	290,615 (34,505)	354,801 (50,662)	107,864 (15,046)	NS ^a	138,835 (28,008)	116,215 (24,621)	1,384,178 (90,087)
2007	30,123 (12,872)	68,495 (23,663)	97,598 (16,913)	59,263 (12,794)	4,729 (1,269)	339,409 (41,977)	451,347 (115,896)	115,352 (14,651)	11,558 (4,854)	113,571 (32,837)	96,868 (22,577)	1,500,419 (142,006)
2008	44,957 (17,992)	57,464 (18,270)	107,366 (24,658)	59,570 (13,773)	3,255 (1,554)	330,868 (47,246)	259,803 (42,574)	100,352 (11,700)	17,957 (5,326)	57,150 (8,337)	64,746 (15,842)	1,197,151 (78,945)

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Population estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	0 (0)	7,584 (4,980)	16,265 (8,053)	16,478 (3,796)	2,240 (1,124)	169,044 (81,179)	162,777 (34,178)	37,792 (7,841)	4,054 (2,159)	33,247 (21,278)	115,835 (52,990)	847,509 (111,770)
1994	2,806 (1,773)	3,092 (1,786)	13,217 (4,413)	23,140 (5,970)	359 (358)	92,283 (33,948)	151,426 (27,201)	61,230 (9,204)	1,294 (1,192)	75,720 (29,373)	129,409 (47,212)	648,684 (72,971)
1995	1,403 (1,402)	13,500 (5,677)	16,128 (5,232)	23,192 (5,821)	2,512 (887)	80,270 (29,747)	180,710 (36,313)	68,841 (11,304)	4,651 (3,387)	76,849 (28,208)	207,885 (77,362)	780,027 (98,816)
1996	318 (317)	36,016 (19,158)	25,694 (6,332)	23,255 (8,512)	1,615 (631)	199,544 (56,169)	189,860 (33,276)	69,549 (11,523)	1,845 (1,764)	66,880 (19,462)	208,146 (74,284)	932,656 (107,423)
1997	18,159 (15,155)	16,603 (8,942)	16,794 (4,360)	31,125 (8,037)	3,409 (1,241)	119,519 (28,640)	194,607 (29,135)	85,338 (23,314)	4,787 (4,554)	69,876 (23,447)	332,806 (104,935)	1,013,324 (132,539)
1998	3,023 (1,531)	24,219 (7,790)	19,769 (4,252)	30,800 (8,179)	2,877 (1,469)	133,391 (28,066)	210,798 (33,580)	85,970 (21,370)	7,175 (4,477)	93,379 (24,018)	253,648 (96,292)	970,092 (115,663)
1999	3,663 (2,288)	23,137 (11,505)	18,262 (4,187)	23,662 (6,390)	3,422 (1,213)	158,823 (49,507)	261,965 (40,862)	82,283 (18,835)	5,473 (3,119)	58,853 (15,120)	198,208 (63,727)	999,517 (120,811)
2000	7,015 (4,565)	21,326 (7,142)	21,359 (5,686)	36,265 (9,594)	1,435 (823)	157,532 (27,057)	225,472 (35,874)	106,279 (20,580)	9,076 (5,110)	63,254 (17,687)	229,635 (60,049)	1,022,299 (101,930)
2001	13,005 (7,273)	12,626 (4,252)	31,175 (6,587)	44,383 (12,808)	2,166 (987)	163,235 (30,365)	246,859 (34,135)	83,418 (13,784)	8,203 (3,348)	65,305 (15,969)	227,310 (51,638)	1,016,629 (89,337)
2002	3,113 (3,107)	8,730 (3,710)	36,062 (11,044)	21,090 (4,689)	2,523 (1,352)	148,237 (23,840)	234,754 (33,690)	96,828 (20,992)	5,380 (2,779)	79,842 (20,147)	199,212 (48,315)	965,657 (86,932)
2003	12,482 (6,119)	15,543 (6,582)	42,413 (10,540)	28,640 (6,611)	3,595 (1,450)	231,718 (42,398)	252,226 (33,756)	93,222 (17,026)	8,099 (3,786)	103,017 (41,645)	133,737 (31,585)	1,040,474 (89,820)
2004	10,402 (4,093)	13,647 (3,818)	43,923 (12,929)	22,561 (5,877)	3,082 (837)	164,399 (24,502)	299,269 (40,747)	92,562 (17,733)	4,308 (2,815)	74,821 (21,144)	98,273 (26,997)	978,554 (89,813)
2005	7,318 (3,142)	36,940 (17,448)	33,553 (6,847)	32,405 (9,919)	3,947 (1,455)	182,012 (29,032)	282,237 (41,666)	91,245 (18,878)	20,307 (9,132)	83,379 (19,590)	156,448 (41,905)	1,064,696 (96,415)
2006	12,713 (7,267)	57,202 (29,604)	34,671 (7,435)	22,851 (5,536)	2,345 (686)	230,637 (65,298)	229,321 (36,272)	94,387 (13,185)	NS ^a	70,456 (15,144)	155,379 (42,462)	1,057,251 (103,397)
2007	16,282 (6,332)	35,497 (19,924)	42,913 (19,190)	22,815 (11,066)	2,870 (1,269)	249,702 (48,437)	235,292 (34,627)	80,325 (10,686)	28,157 (22,889)	82,128 (27,298)	150,264 (42,358)	1,046,067 (90,513)
2008	18,953 (7,121)	26,154 (8,454)	29,200 (9,309)	22,973 (6,380)	3,242 (1,177)	213,758 (34,825)	227,351 (30,084)	75,814 (10,966)	16,628 (6,397)	48,456 (18,032)	159,309 (51,311)	951,501 (79,003)

Estimates based on the 1993-2002 method of calculating total indicated birds [TIB = (2pairs) + singles + groups].

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Sheet CAGO

Revision: JDK

7/17/2008

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Population estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2002	7,957 (3,687)	11,665 (4,420)	42,680 (12,650)	23,103 (5,157)	4,373 (1,566)	171,132 (26,698)	259,614 (35,219)	101,145 (21,156)	5,500 (2,793)	98,943 (22,478)	270,315 (73,168)	1,097,135 (95,091)
2003	14,641 (6,888)	17,399 (6,856)	47,238 (11,531)	31,895 (7,159)	3,601 (1,450)	241,865 (42,893)	275,207 (35,775)	99,575 (17,547)	9,418 (4,320)	110,450 (42,468)	151,819 (37,276)	1,126,731 (94,540)
2004	10,685 (4,120)	15,919 (4,283)	46,591 (13,286)	25,341 (6,681)	3,857 (877)	190,172 (29,051)	338,230 (44,135)	97,661 (17,987)	4,825 (2,870)	78,630 (21,827)	105,013 (28,127)	1,073,096 (93,828)
2005	8,654 (3,709)	38,768 (17,437)	38,048 (7,502)	34,903 (10,408)	4,306 (1,500)	209,223 (33,251)	311,171 (44,218)	98,506 (19,319)	21,091 (9,476)	86,500 (19,680)	167,299 (43,192)	1,167,075 (102,279)
2006	13,666 (7,570)	59,490 (29,611)	42,266 (8,856)	24,863 (5,951)	2,525 (716)	250,063 (66,078)	245,689 (37,191)	104,360 (14,638)	NS ^a	73,862 (15,544)	163,655 (43,357)	1,143,951 (106,242)
2007	16,565 (6,350)	37,712 (19,953)	48,283 (19,416)	29,234 (11,187)	3,050 (1,407)	274,856 (50,706)	255,924 (36,603)	86,429 (11,322)	29,311 (23,192)	85,164 (27,293)	160,966 (45,725)	1,127,987 (94,528)
2008	19,236 (7,137)	27,678 (8,737)	31,558 (9,570)	24,230 (6,473)	3,242 (1,177)	238,290 (36,749)	246,499 (32,411)	81,052 (11,324)	17,918 (7,115)	51,438 (18,084)	167,492 (52,549)	1,024,914 (82,157)

Estimates based on the post-2002 method of calculating total indicated birds [TIB = 2x(pairs + singles) + groups].

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Sheet CAGO

Revision: JDK

7/17/2008

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Breeding pair estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993												
1994	1,403 (887)	898 (535)	4,664 (1,441)	10,511 (2,613)	718 (411)	28,135 (6,394)	57,554 (9,577)	19,418 (2,522)	683 (618)	14,141 (4,172)	32,704 (13,936)	202,281 (19,827)
1995	702 (701)	4,264 (1,527)	6,798 (1,780)	9,808 (2,291)	1,256 (443)	26,540 (5,092)	72,511 (13,385)	24,197 (3,156)	1,558 (1,054)	13,091 (4,853)	41,282 (13,132)	245,233 (23,023)
1996	1,019 (769)	6,368 (2,978)	12,323 (2,745)	7,816 (2,074)	1,076 (351)	48,034 (10,215)	71,120 (11,038)	22,871 (2,899)	902 (861)	21,799 (6,453)	44,641 (15,874)	277,608 (25,468)
1997	2,415 (1,470)	3,408 (1,729)	8,793 (1,921)	14,674 (3,740)	1,435 (634)	30,655 (6,109)	87,849 (12,137)	23,091 (3,442)	920 (825)	20,044 (4,619)	98,955 (36,382)	326,982 (40,080)
1998	2,167 (997)	6,790 (2,388)	10,659 (2,013)	12,850 (3,607)	1,801 (1,069)	36,693 (5,588)	88,975 (12,849)	24,900 (3,522)	1,984 (951)	35,374 (9,076)	69,580 (21,654)	324,648 (29,188)
1999	2,895 (1,578)	4,985 (1,500)	9,781 (1,940)	9,567 (2,399)	1,980 (716)	48,375 (8,084)	104,343 (14,888)	30,862 (3,937)	1,938 (1,236)	20,751 (4,690)	95,418 (31,319)	379,479 (38,088)
2000	3,508 (2,282)	7,591 (2,255)	10,723 (2,484)	12,136 (2,709)	718 (411)	53,306 (9,006)	85,379 (10,661)	36,243 (5,519)	4,242 (2,488)	18,839 (4,932)	55,313 (12,104)	339,936 (26,316)
2001	5,162 (2,712)	5,166 (1,605)	12,802 (2,523)	14,387 (4,834)	1,262 (515)	76,063 (11,992)	96,468 (10,490)	33,783 (4,204)	3,548 (1,593)	25,763 (6,948)	65,855 (14,586)	392,055 (27,777)
2002	2,422 (992)	5,630 (2,136)	14,491 (3,601)	10,042 (2,300)	1,346 (548)	77,864 (12,769)	85,192 (10,142)	31,908 (3,915)	2,468 (1,233)	36,638 (8,108)	123,455 (35,076)	405,898 (32,094)
2003	7,320 (3,444)	5,728 (1,735)	16,928 (3,490)	11,079 (2,800)	1,801 (725)	65,100 (9,156)	101,564 (11,705)	37,872 (5,185)	4,574 (2,157)	22,157 (7,785)	60,931 (15,628)	389,793 (28,280)
2004	3,724 (1,496)	5,938 (1,837)	15,466 (3,413)	11,897 (3,179)	1,929 (439)	91,132 (13,880)	123,126 (15,256)	34,182 (4,134)	1,633 (1,041)	17,038 (4,955)	32,625 (8,772)	394,626 (28,065)
2005	4,327 (1,855)	6,686 (1,924)	17,063 (3,371)	10,514 (2,042)	1,794 (501)	88,648 (14,575)	115,291 (14,969)	34,867 (4,342)	5,270 (2,208)	22,380 (4,157)	47,880 (12,420)	410,544 (30,402)
2006	3,658 (1,581)	10,112 (3,053)	20,430 (4,360)	10,362 (2,615)	1,262 (358)	78,989 (11,056)	88,478 (11,799)	38,746 (5,224)	NS ^a	17,601 (3,683)	51,544 (11,420)	384,715 (27,397)
2007	5,477 (1,734)	8,129 (1,990)	12,866 (2,601)	10,364 (2,438)	1,256 (515)	97,355 (13,739)	100,741 (13,930)	33,016 (4,114)	3,423 (1,444)	23,731 (11,315)	53,899 (12,348)	390,630 (27,544)
2008	7,163 (2,156)	10,797 (3,462)	10,068 (2,137)	9,851 (2,256)	1,442 (515)	91,128 (12,397)	100,174 (13,702)	29,483 (3,383)	4,166 (1,851)	14,536 (3,028)	52,564 (14,821)	377,762 (26,780)

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Sheet CAGO

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7/17/2008

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Population estimates (SE) for mute swans from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	0 (0)	0 (0)	2,690 (1,334)	1,019 (604)	6,391 (5,847)	6,369 (2,852)	267 (266)	191 (135)	0 (0)	2,827 (1,444)	0 (0)	21,766 (8,476)
1994	0 (0)	0 (0)	1,145 (533)	514 (513)	6,731 (4,719)	6,423 (2,594)	0 (0)	2,530 (2,016)	0 (0)	2,278 (1,518)	0 (0)	24,790 (8,403)
1995	0 (0)	0 (0)	744 (431)	0 (0)	551 (389)	10,338 (8,106)	0 (0)	593 (276)	0 (0)	1,505 (1,013)	558 (558)	12,761 (6,391)
1996	0 (0)	0 (0)	1,392 (747)	0 (0)	538 (388)	5,632 (3,219)	0 (0)	800 (391)	0 (0)	779 (508)	78 (77)	9,665 (3,136)
1997	0 (0)	0 (0)	1,900 (906)	0 (0)	1,262 (578)	15,022 (12,863)	551 (389)	1,976 (1,501)	0 (0)	2,075 (1,333)	78 (77)	18,843 (6,721)
1998	0 (0)	13 (13)	1,115 (557)	528 (503)	577 (389)	8,527 (5,731)	551 (389)	1,472 (525)	132 (98)	2,646 (1,790)	78 (77)	15,117 (3,631)
1999	0 (0)	67 (64)	2,520 (1,867)	503 (502)	1,256 (578)	16,199 (14,745)	0 (0)	1,121 (418)	0 (0)	2,178 (1,603)	29 (29)	16,356 (6,171)
2000	0 (0)	0 (0)	2,038 (1,021)	1,535 (923)	910 (502)	11,641 (10,083)	1,335 (944)	928 (394)	0 (0)	2,541 (1,789)	29 (29)	16,883 (5,906)
2001	0 (0)	0 (0)	2,027 (1,222)	1,006 (702)	910 (502)	5,014 (3,438)	354 (255)	890 (424)	90 (89)	1,300 (829)	59 (58)	11,832 (2,974)
2002	0 (0)	0 (0)	1,687 (813)	2,528 (1,827)	336 (229)	5,206 (1,981)	426 (425)	668 (440)	0 (0)	1,675 (1,016)	264 (259)	13,850 (3,265)
2003	0 (0)	0 (0)	1,032 (762)	579 (503)	1,102 (574)	7,889 (2,458)	709 (510)	337 (191)	203 (144)	2,167 (1,099)	122 (120)	14,368 (2,999)
2004	0 (0)	0 (0)	1,528 (782)	604 (504)	397 (384)	6,538 (2,846)	2,528 (1,540)	4,110 (3,389)	83 (82)	1,703 (1,025)	169 (121)	22,706 (8,653)
2005	0 (0)	0 (0)	2,478 (1,099)	1,032 (703)	731 (488)	0 (0)	2,245 (1,514)	1,454 (595)	181 (177)	1,217 (786)	0 (0)	12,614 (3,051)
2006	0 (0)	0 (0)	2,891 (2,105)	1,032 (703)	1,461 (823)	11,987 (6,559)	2,102 (1,483)	1,340 (526)	NS ^a	1,914 (1,056)	59 (58)	24,902 (6,825)
2007	0 (0)	0 (0)	2,813 (1,178)	528 (503)	359 (358)	3,631 (1,535)	6,064 (2,654)	1,394 (456)	120 (118)	212 (144)	0 (0)	17,064 (3,591)
2008	0 (0)	0 (0)	1,343 (735)	503 (502)	757 (412)	3,654 (2,360)	3,921 (2,142)	4,093 (2,998)	120 (118)	1,111 (1,100)	88 (86)	21,251 (7,893)

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.**Breeding pair estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.**

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 (0)	0 (0)	516 (381)	290 (252)	551 (287)	3,945 (1,229)	354 (255)	168 (95)	102 (72)	1,084 (550)	61 (60)	7,184 (1,499)
2004	0 (0)	0 (0)	764 (391)	302 (252)	199 (192)	3,269 (1,423)	1,264 (770)	1,151 (853)	42 (41)	852 (513)	84 (61)	9,267 (2,538)
2005	0 (0)	0 (0)	1,239 (550)	516 (351)	365 (244)	0 (0)	1,123 (757)	671 (282)	90 (89)	212 (96)	0 (0)	6,031 (1,508)
2006	0 (0)	0 (0)	268 (248)	516 (351)	731 (411)	5,994 (3,279)	1,051 (741)	594 (220)	NS ^a	957 (528)	29 (29)	10,184 (2,938)
2007	0 (0)	0 (0)	1,406 (589)	264 (251)	179 (179)	1,816 (767)	2,713 (1,235)	654 (225)	60 (59)	106 (72)	0 (0)	8,023 (1,649)
2008	0 (0)	0 (0)	671 (367)	252 (251)	558 (287)	1,973 (1,200)	1,535 (983)	2,047 (1,499)	60 (59)	0 (0)	0 (0)	10,001 (3,898)

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Productivity data for greater snow geese, Atlantic brant, and tundra swans wintering in the Atlantic Flyway

Year	Greater snow geese			Atlantic brant			Tundra swans		
	Birds surveyed	Percent immature	Avg. young per family	Birds surveyed	Percent immature	Avg. young per family	Birds surveyed	Percent immature	Avg. young per family
1976	34,892	9.8	2.4	7,159	8.9	2.4	7,913	7.1	1.2
1977	7,531	23.8	2.3	12,067	29.5	2.3	3,684	19.7	2.2
1978	16,159	14.7	1.9	11,315	5.9	2.1	627	29.3	1.3
1979	7,031	26.4	2.4	14,593	41.0	2.8	1,433	8.8	1.6
1980	12,572	36.5	2.7	24,849	33.7	2.6	2,060	10.5	1.8
1981	17,229	17.1	2.0	15,857	21.3	2.4	1,479	30.2	2.3
1982	11,873	18.0	2.6	20,727	23.5	2.4	5,576	11.5	2.0
1983	19,206	48.9	3.3	18,826	32.3	2.7	7,537	19.8	2.0
1984	11,133	27.4	2.7	15,210	21.3	2.4	8,913	19.8	2.2
1985	14,972	31.0	2.6	18,114	15.8	2.4	11,394	23.6	2.0
1986	13,109	2.3	2.1	20,669	3.7	2.5	11,903	8.7	1.3
1987	17,467	37.9	2.9	16,635	26.5	2.6	8,210	9.8	1.6
1988	14,290	31.2	2.6	17,133	26.4	2.4	10,260	14.8	1.9
1989	17,735	30.1	2.0	17,550	21.0	2.5	13,836	15.2	1.7
1990	24,880	18.7	2.3	18,523	10.9	2.2	11,604	10.3	1.9
1991	27,805	26.2	2.3	9,417	24.5	2.0	3,719	12.3	1.6
1992	11,762	4.5	0.9	20,194	2.2	1.7	11,800	4.1	1.6
1993	23,082	44.6	2.6	23,194	21.2	2.0	13,320	15.0	1.0
1994	19,752	13.4	1.4	21,410	10.2	2.0	5,214	19.2	1.3
1995	15,261	16.7	1.9	17,885	21.6	2.2	9,720	8.1	1.1
1996	23,728	30.5	2.0	24,997	15.3	2.2	15,290	10.0	1.2
1997	30,904	28.7	2.5	27,349	17.5	2.2	11,552	7.5	0.8
1998	43,321	26.5	2.3	23,098	24.1	2.6	13,042	15.7	1.2
1999	21,619	2.8	1.0	37,558	1.5	1.7	13,660	10.4	1.6
2000	25,022	34.6	1.6	23,564	25.1	2.1	7,229	10.2	0.9
2001	12,646	21.2	1.3	22,404	24.7	2.1	13,386	9.8	1.2
2002	20,444	2.8	0.5	60,463	6.9	1.8	25,212	8.0	0.9
2003	9,201	15.8	1.6	25,903	17.2	2.1	35,019	5.2	1.3
2004	33,748	12.1	1.7	27,622	13.1	2.0	12,981	16.1	2.4
2005	11,969	15.5	1.2	26,699	15.0	2.1	6,961	9.6	1.1
2006*	8,823	27.1	1.9	20,659	24.2	2.8	6,559	22.6	1.7
2007*	No survey			20,818	31.1	2.2	7,929	13.7	1.7
Averages:									
76-80	15,637	22.2	2.3	13,997	23.8	2.5	3,143	15.1	1.6
81-85	14,883	28.5	2.6	17,747	22.8	2.4	6,980	21.0	2.1
86-90	17,496	24.0	2.4	18,102	17.7	2.4	11,163	11.8	1.7
91-95	19,532	21.1	1.8	18,420	15.9	2.0	8,755	11.7	1.3
96-2000	28,919	24.6	1.9	27,313	16.7	2.2	12,155	10.8	1.1
2001-05	19,010	13	1.3	34,098	15	2.0	21,650	10	1.5
2006-07	No survey			20,739	28	3	7,244	18	2

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Compiled: C. Ferguson, USFWS/DMBM-WPS

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* No Atlantic brant data from East Bay on Long Island were included because numbers of young in family groups were not recorded.

Estimates of Regular-Season All-duck Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	831,600	456,000	314,300	209,900	350,400	93,600	114,900	348,200	172,900	1,800,800	484,900	1,908,300	354,200	159,800	7,599,900
2000	824,800	439,600	300,700	220,200	408,800	112,800	161,000	404,000	262,600	1,742,000	341,700	1,785,200	299,500	307,700	7,610,600
2001	852,200	370,700	248,300	297,300	393,300	117,400	129,800	513,000	174,900	1,430,500	368,900	1,106,500	225,900	182,100	6,410,700
2002	880,500	509,800	406,000	273,800	349,400	129,100	178,400	208,000	161,200	1,118,200	293,400	768,100	233,800	171,300	5,681,100
2003*	884,500	677,400	367,100	248,900	455,900	120,800	154,400	433,700	198,300	1,089,800	258,200	1,139,500	230,200	150,000	6,408,700
2004*	683,600	429,900	333,000	184,500	313,000	105,700	133,800	322,700	183,400	1,111,200	340,700	749,700	288,800	173,300	5,353,300
2005*	531,500	375,100	284,400	205,200	368,000	124,900	116,100	447,700	177,400	1,056,600	178,900	849,600	302,900	131,900	5,150,400
2006*	641,100	401,900	384,500	203,300	504,300	112,800	134,400	383,500	128,300	1,104,400	281,400	1,157,200	327,300	165,500	5,930,000
2007*	563,900	431,200	355,500	232,800	458,100	129,600	161,100	414,200	158,100	1,103,900	512,000	1,318,400	377,100	150,700	6,366,700
Averages															
1999-2000	828,200	447,800	307,500	215,100	379,600	103,200	138,000	376,100	217,800	1,771,400	413,300	1,846,800	326,900	233,800	7,605,300
2001-05	766,500	472,600	327,800	241,900	375,900	119,600	142,500	385,000	179,000	1,161,300	288,000	922,700	256,300	161,700	5,800,800
2006-07	602,500	416,600	370,000	218,100	481,200	121,200	147,800	398,900	143,200	1,104,200	396,700	1,237,800	352,200	158,100	6,148,400

* Preliminary estimates

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Sheet:

TODU-MALL-ABDU

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Estimates of Regular-Season Mallard Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	272,300	166,300	127,200	68,400	186,000	53,300	50,600	197,200	102,600	1,125,700	254,100	354,400	145,800	33,000	3,136,900
2000	270,000	176,300	143,000	73,900	197,600	66,500	80,500	213,500	176,800	1,022,800	196,900	425,800	123,800	105,100	3,272,700
2001	327,000	147,900	122,800	117,500	232,600	74,000	68,800	322,300	116,100	770,800	207,100	127,400	107,400	54,400	2,796,000
2002	259,500	218,100	195,300	92,600	215,700	81,700	92,500	124,700	105,000	570,800	169,700	107,200	94,500	46,900	2,374,300
2003*	304,000	252,000	183,000	101,700	284,300	76,700	76,400	249,800	138,200	510,600	130,800	133,100	95,000	34,900	2,570,500
2004*	179,300	173,400	158,900	54,700	194,100	71,600	77,500	175,500	130,300	556,500	191,200	80,400	127,000	29,400	2,199,900
2005*	169,600	118,800	135,500	77,900	209,000	76,100	59,800	242,100	115,200	475,100	92,900	101,300	156,000	20,100	2,049,400
2006*	215,700	144,000	173,200	73,200	311,900	60,700	75,700	221,700	81,600	547,100	127,400	86,800	131,900	35,400	2,286,300
2007*	179,000	171,000	168,500	72,700	272,400	76,100	101,000	232,400	89,300	578,100	284,400	142,500	119,600	27,000	2,514,100
Averages															
1999-2000	271,200	171,300	135,100	71,200	191,800	59,900	65,600	205,400	139,700	1,074,300	225,500	390,100	134,800	69,100	3,204,800
2001-05	247,900	182,000	159,100	88,900	227,100	76,000	75,000	222,900	121,000	576,800	158,300	109,900	116,000	37,100	2,398,000
2006-07	197,400	157,500	170,900	73,000	292,200	68,400	88,400	227,100	85,500	562,600	205,900	114,700	125,800	31,200	2,400,200

* Preliminary estimates

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Sheet:

TODU-MALL-ABDU

Revision:

07/17/08 JDK

Estimates of Regular-Season Black Duck Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	300	4,600	10,600	0	2,800	1,800	4,500	400	14,700	3,400	11,900	1,600	900	400	57,700
2000	1,300	3,300	10,600	0	2,500	2,600	6,700	200	12,100	1,400	9,700	1,200	0	6,800	58,400
2001	300	2,700	6,600	300	800	3,500	5,000	0	5,000	1,200	5,900	0	0	600	31,800
2002	1,700	6,000	9,500	0	3,300	3,200	11,100	200	6,700	500	5,100	400	100	0	47,800
2003*	800	2,400	9,200	0	2,600	900	5,500	0	5,300	300	5,000	600	300	1,200	34,000
2004*	300	2,900	9,700	200	2,100	2,000	3,000	0	5,300	300	7,400	400	500	1,700	35,700
2005*	700	2,300	9,400	200	2,900	2,200	3,300	600	9,100	800	2,900	0	500	1,500	36,400
2006*	1,200	2,600	9,900	300	3,900	2,600	4,900	800	2,300	800	4,100	400	400	1,800	35,800
2007*	500	1,900	10,300	0	2,900	2,700	8,200	200	3,500	0	7,000	0	1,100	300	38,700
Averages															
1999-2000	800	4,000	10,600	0	2,700	2,200	5,600	300	13,400	2,400	10,800	1,400	500	3,600	58,100
2001-05	800	3,300	8,900	100	2,300	2,400	5,600	200	6,300	600	5,300	300	300	1,000	37,100
2006-07	900	2,300	10,100	200	3,400	2,700	6,600	500	2,900	400	5,600	200	800	1,100	37,300

* Preliminary estimates

C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls

Sheet:

TODU-MALL-ABDU

Revision:

07/17/08 JDK

Estimates of Regular-Season Pintail Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	8,300	5,100	5,300	3,800	3,200	500	1,400	8,500	500	29,600	10,800	69,700	5,600	1,100	153,300
2000	15,700	9,100	4,600	4,200	7,300	900	1,100	10,200	0	22,500	5,000	66,300	4,100	1,900	153,000
2001	10,600	4,400	5,200	6,700	6,700	1,000	700	16,800	2,100	24,700	11,900	30,500	3,400	600	125,100
2002	17,400	9,300	13,100	5,700	500	200	2,200	4,600	800	20,600	4,300	15,400	4,400	1,100	99,800
2003*	18,300	12,300	8,900	5,200	10,200	1,500	3,100	6,100	1,800	17,500	5,900	27,300	5,000	0	123,300
2004*	14,200	11,500	9,900	3,100	3,900	700	800	4,100	4,400	16,600	2,300	15,500	3,500	0	90,500
2005*	9,800	3,500	3,100	4,300	6,300	1,100	1,000	11,000	1,700	23,000	3,900	33,700	3,900	900	107,300
2006*	7,800	3,400	3,900	3,900	9,700	1,800	2,200	8,600	1,000	21,600	6,800	26,700	6,100	800	104,300
2007*	13,200	11,700	6,000	7,200	10,500	2,200	4,200	9,800	4,200	23,400	16,400	46,500	5,800	1,300	162,400
Averages															
1999-2000	12,000	7,100	5,000	4,000	5,300	700	1,300	9,400	300	26,100	7,900	68,000	49,000	1,500	153,200
2001-05	14,100	8,200	8,000	5,000	5,500	900	1,600	8,500	2,200	20,500	5,700	24,500	4,000	500	109,200
2006-07	10,500	7,600	5,000	5,600	10,100	2,000	3,200	9,200	2,600	22,500	11,600	36,600	6,000	1,100	133,400

* Preliminary estimates

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Sheet:

NOPI-WODU-REDH

Revision:

07/17/08 JDK

Estimates of Regular-Season Wood Duck Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	151,600	78,300	45,900	36,900	52,200	17,000	24,200	28,200	8,100	119,400	55,600	196,700	49,100	61,400	924,500
2000	126,700	69,700	50,500	28,700	45,300	11,900	30,300	14,900	13,200	81,500	19,700	160,900	29,400	78,500	761,300
2001	105,900	52,400	27,600	45,600	44,300	13,400	21,100	14,500	13,700	58,800	33,200	70,000	44,000	52,700	597,200
2002	125,800	68,700	39,500	42,400	36,200	20,900	24,300	6,600	7,600	87,600	25,500	68,100	51,000	56,500	660,800
2003*	129,900	124,000	32,600	38,600	32,000	15,100	28,300	20,500	15,400	80,800	30,700	116,800	44,100	46,000	754,800
2004*	127,600	79,800	39,700	52,900	28,300	14,400	27,000	18,300	5,300	91,700	18,100	78,000	40,300	75,900	697,300
2005*	98,200	77,600	32,100	38,100	31,000	17,100	17,400	25,500	13,500	119,800	22,900	109,600	26,800	34,100	663,700
2006*	81,700	72,300	44,000	26,700	21,700	15,400	11,000	12,100	10,500	82,000	39,500	131,800	19,000	34,200	601,800
2007*	81,000	67,900	48,200	34,200	19,300	15,500	11,400	13,800	12,600	68,100	24,000	114,900	44,300	37,900	593,100
Averages															
1999-2000	139,200	74,000	48,200	32,800	48,800	14,500	27,300	21,600	10,700	100,500	37,700	178,800	39,300	70,000	842,900
2001-05	117,500	80,500	34,300	43,500	34,400	16,200	23,600	17,100	11,100	87,700	26,100	88,500	41,200	53,000	674,800
2006-07	81,400	70,100	46,100	30,500	20,500	15,500	11,200	13,000	11,600	75,100	31,800	123,400	31,700	36,100	597,500

* Preliminary estimates

C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls

Sheet:

NOPI-WODU-REDH

Revision:

07/17/08 JDK

Estimates of Regular-Season Redhead Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	19,600	7,300	8,600	1,500	2,800	500	600	2,100	0	2,400	0	15,700	300	400	61,700
2000	16,600	4,500	10,000	600	3,500	200	300	1,900	3,200	1,000	0	6,400	300	0	48,600
2001	20,600	9,100	8,700	3,200	1,300	1,000	500	1,600	0	1,600	700	3,800	700	0	52,700
2002	13,000	4,800	3,600	2,100	1,000	500	400	800	0	0	400	700	100	0	27,600
2003*	11,700	9,400	2,300	700	2,400	200	500	1,600	1,300	1,600	1,600	4,000	100	500	37,800
2004*	9,500	4,900	3,300	900	1,500	500	1,100	400	1,800	1,600	5,600	3,300	800	300	35,300
2005*	16,800	8,700	12,200	1,300	3,300	100	1,200	3,200	1,700	2,500	2,000	7,300	1,600	100	62,100
2006*	24,600	7,400	12,000	1,400	4,200	100	1,200	2,600	0	3,100	1,400	9,900	800	800	69,500
2007*	18,900	5,300	12,100	1,300	3,400	600	1,200	2,300	700	4,300	1,800	9,600	300	1,300	63,000
Averages															
1999-2000	18,100	5,900	9,300	1,100	3,200	400	500	2,000	1,600	1,700	0	11,100	300	200	55,200
2001-05	14,300	7,400	6,000	1,600	1,900	500	800	1,500	1,000	1,500	2,100	3,800	700	200	43,100
2006-07	21,800	6,400	12,100	1,400	3,800	400	1,200	2,500	400	3,700	1,600	10,000	600	1,100	66,300

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C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls

Sheet:

NOPI-WODU-REDH

Revision:

07/17/08 JDK

Estimates of Regular-Season Canvasback Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	10,000	5,600	3,500	300	4,100	0	600	700	500	300	2,200	12,800	0	0	40,500
2000	8,800	7,200	4,100	200	5,300	0	2,000	700	500	1,000	1,300	17,000	600	500	49,200
2001	4,300	2,700	1,000	1,500	0	0	200	0	0	400	300	600	0	600	11,600
2002	400	0	0	0	0	0	0	0	0	0	0	100	0	0	600
2003*	2,900	4,100	1,100	400	600	200	0	200	0	300	900	200	400	0	11,300
2004*	4,700	1,600	0	400	900	0	0	0	900	0	500	1,500	300	0	10,800
2005*	8,600	4,800	1,500	200	4,700	400	400	900	400	800	1,300	7,000	0	1,600	32,800
2006*	13,000	7,400	2,300	700	10,300	100	200	800	0	2,400	0	7,000	0	1,600	45,600
2007*	8,100	8,500	2,000	600	8,600	100	500	1,200	400	1,300	5,900	18,300	0	1,000	56,400
Averages															
1999-2000	9,400	6,400	3,800	300	4,700	0	1,300	700	500	700	1,800	14,900	300	300	44,900
2001-05	4,200	2,600	700	500	1,200	100	100	200	300	300	600	1,900	100	400	13,400
2006-07	10,600	8,000	2,200	700	9,500	100	400	1,000	200	1,900	3,000	12,700	0	1,300	51,000

* Preliminary estimates

C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls

Sheet:

CANV-LESC

Revision:

07/17/08 JDK

Estimates of Regular-Season Lesser Scaup Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	21,700	14,500	6,600	4,800	14,500	0	3,300	2,800	0	2,000	500	8,500	1,200	400	80,800
2000	25,400	6,600	5,200	2,400	11,100	200	7,300	2,800	1,600	19,700	2,900	92,500	5,200	1,000	184,000
2001	36,900	6,000	8,500	8,200	7,500	600	5,900	7,400	1,200	18,900	7,000	59,400	2,700	600	170,800
2002	46,400	20,100	16,200	6,100	9,700	1,700	3,500	1,000	7,600	6,400	4,700	53,500	4,100	1,100	182,100
2003*	34,100	22,900	13,800	2,800	5,300	500	3,600	4,100	1,800	16,500	3,800	34,600	5,400	4,500	153,600
2004*	12,000	10,800	13,000	1,300	5,400	500	1,500	2,300	5,700	8,300	4,600	25,900	11,200	5,800	108,400
2005*	12,900	9,000	7,000	900	13,200	500	2,500	3,700	4,300	12,900	3,900	36,700	2,700	900	111,400
2006*	21,700	10,200	10,500	2,000	6,900	200	1,500	2,900	700	9,400	1,400	29,300	4,200	200	101,200
2007*	12,100	5,800	6,800	1,600	14,400	600	3,500	2,600	3,500	10,700	5,900	11,200	4,100	1,900	84,800
Averages															
1999-2000	23,600	10,600	5,900	3,600	12,800	100	5,300	2,800	800	10,900	1,700	50,500	3,200	700	132,400
2001-05	28,500	13,800	11,700	3,900	8,200	800	3,400	3,700	4,100	12,600	4,800	42,000	5,200	2,600	145,300
2006-07	16,900	8,000	8,700	1,800	10,700	400	2,500	2,800	2,100	10,100	3,700	20,300	4,200	1,100	93,000

* Preliminary estimates

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Sheet:

CANV-LESC

Revision:

07/17/08 JDK

NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE MISSISSIPPI FLYWAY

YEAR	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MF TOTAL
1955	400	3,700	23,200	0	26,700	32,700	48,500	1,700	6,000	700	11,200	15,000	4,000	4,600	178,400
1956	400	3,200	34,600	TR*	32,000	29,500	63,700	1,500	21,000	1,000	9,300	6,700	4,200	6,200	213,300
1957	400	5,000	30,300	100	44,500	33,800	62,800	200	12,300	1,000	20,000	17,000	1,300	3,200	231,900
1958	300	2,400	17,400	TR	14,000	143,400	22,900	6,400	9,200	1,000	18,900	22,300	2,600	3,600	264,400
1959	100	4,500	12,800	TR	6,000	28,600	24,700	1,000	14,500	11,200	32,700	36,700	400	3,700	176,900
1960	100	3,900	15,600	100	15,600	24,100	31,500	600	11,700	8,300	15,300	32,300	1,000	5,000	165,100
1961	100	5,800	12,200	TR	15,800	5,000	52,200	700	5,100	2,200	32,200	14,300	2,600	10,500	158,700
1962	100	2,400	2,500	0	2,800	5,500	26,500	300	15,500	2,900	16,900	14,800	4,900	15,600	110,700
1963	200	3,000	4,000	TR	18,000	9,400	37,500	2,300	15,000	4,000	20,000	13,900	4,900	9,000	141,200
1964	100	3,700	14,200	200	28,000	7,200	63,900	5,000	17,400	3,900	48,700	12,700	2,900	10,200	218,100
1965	100	2,600	13,200	TR	14,700	5,200	66,100	1,300	5,600	3,200	33,100	7,100	1,600	5,000	158,800
1966	300	4,000	18,400	TR	9,100	9,600	34,300	900	4,900	2,200	45,700	7,100	8,600	7,100	152,200
1967	300	3,000	3,300	TR	15,400	4,400	70,300	1,100	900	2,800	73,200	14,100	8,200	10,400	207,400
1968	TR	1,700	3,300	TR	15,400	1,700	19,300	900	3,800	6,100	38,700	8,100	21,800	14,700	135,500
1969	300	1,400	5,300	0	14,200	2,000	54,600	1,300	3,600	10,600	40,300	500	4,700	10,300	149,100
1970	300	1,400	3,600	1,000	13,000	400	34,300	4,300	10,200	11,200	39,500	1,600	11,500	5,400	137,700
1971	800	1,300	4,000	0	17,900	7,700	30,900	1,900	5,200	3,700	51,200	600	2,500	7,000	134,700
1972	500	1,100	3,300	100	6,600	5,400	80,000	800	2,900	5,400	29,300	100	2,000	6,400	143,900
1973	500	1,000	2,700	0	20,800	3,900	21,800	9,800	13,500	3,500	64,100	300	3,000	9,100	154,000
1974	700	1,100	3,500	0	4,100	2,800	10,400	3,100	1,500	0	43,600	0	1,700	6,300	78,800
1975	400	1,100	3,600	100	14,200	9,800	41,000	900	2,300	800	34,300	0	300	7,200	116,000
1976	300	800	3,700	400	24,400	10,600	16,500	6,300	7,000	1,400	69,400	TR	2,000	9,600	152,400
1977	600	800	1,400	600	10,200	3,400	12,300	800	4,400	3,000	57,500	100	300	5,200	100,600
1978	400	700	2,400	200	6,700	2,300	7,300	1,700	3,300	3,400	50,700	0	2,300	10,000	91,400
1979	500	1,000	1,100	TR	5,700	3,200	7,800	300	6,900	2,700	42,900	300	900	5,200	78,500
1980	100	600	2,600	400	12,600	4,600	11,900	800	10,100	1,700	27,600	0	100	4,600	77,700
1981	200	800	2,200	300	13,700	6,700	9,400	200	10,100	1,500	35,100	100	700	8,600	89,600
1982	100	700	1,000	200	8,600	6,900	13,100	TR	3,500	5,100	24,300	0	200	7,200	70,900
1983	100	800	2,900	100	4,400	4,100	27,400	100	6,900	1,700	39,400	0	600	4,000	92,500
1984	TR	800	1,400	TR	2,500	2,200	8,100	TR	7,500	700	32,800	0	3,000	2,300	61,300
1985	100	1,000	500	TR	3,000	3,800	7,300	TR	4,200	2,600	31,000	100	200	3,900	57,700
1986	300	1,000	400	TR	7,600	5,700	13,600	100	3,900	6,600	49,900	100	1,700	5,700	96,600
1987	TR	1,200	1,200	TR	7,900	2,600	32,000	300	2,100	3,400	18,600	100	1,600	3,100	74,100
1988	TR	900	1,400	TR	4,800	3,600	22,500	TR	6,600	8,100	56,200	TR	300	4,900	109,300
1989	TR	1,200	2,600	TR	2,900	3,300	15,300	TR	2,200	3,900	32,000	TR	500	5,600	69,500
1990	106	1,807	2,068	109	5,816	4,357	10,155	96	2,828	1,856	52,159	50	2,200	3,200	86,807
1991	36	890	724	112	108	848	16,544	0	5,773	4,143	14,830	0	124	4,849	48,981
1992	211	2,305	3,182	12	3,725	2,364	41,398	0	3,047	597	16,502	112	1,638	1,183	76,276
1993***	20	1,373	1,870	48	7,225	3,061	38,915	944	2,544	715	18,847	35	1,538	1,274	78,409
1994	27	1,208	NS**	18	5,021	3,730	27,142	583	8,606	790	33,071	0	612	1,994	82,802
1995	2	1,267	10,302	10	8,230	2,703	41,465	50	4,521	97	22,971	0	68	1,719	93,405
1996	8	774	7,014	202	2,100	2,389	23,441	579	11,163	203	36,945	0	29	5,922	90,769
1997***	3	181	1,090	41	2,769	2,015	9,347	974	2,380	161	16,066	0	13	2,404	37,444
1998	22	3,768	5,230	8	2,325	1,777	11,152	1,806	856	355	9,504	0	35	4,051	40,889
1999	0	810	3,896	17	25	4,660	13,807	387	2,676	75	16,837	0	28	3,448	46,666
2000	8	1,148	7,771	17	4,254	2,723	10,778	14	1,284	0	7,665	0	23	1,068	36,753

Continued on next page

NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE MISSISSIPPI FLYWAY

YEAR	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MF TOTAL
<i>Continued from previous page</i>															
2001	6	537	1,535	0	93	2,242	12,512	92	10,676	4	16,972	154	21	1,577	46,421
2002	8	1,037	5,211	1	335	1,327	13,961	20	2,471	12	10,121	0	24	4,839	39,367
2003	19	727	2,855	55	1,245	626	4,691	29	861	36	12,318	0	8	847	24,317
2004	9	NS**	7,677	27	966	535	5,376	16	739	0	3,803	0	2	1,121	20,271
2005	30	884	649	72	2,075	232	3,240	20	1,179	6	9,847	1	0	1,617	19,852
2006	87	400	2692	4	2,081	801	6,942	17	868	6	7,661	0	7	2,611	24,177
2007	60	631	2136	556	366	638	3,871	963	422	0	5,013	0	2	1,342	16,000
2008	9	649	3,158		1,707	304	5,644	559	786	36	6,300			1,404	20,583
AVERAGES:															
55-60	283	3,783	22,317	67	23,133	48,683	42,350	1,900	12,450	3,867	17,900	21,667	2,250	4,383	205,000
61-65	120	3,500	9,220	100	15,860	6,460	49,240	1,920	11,720	3,240	30,180	12,560	3,380	10,060	157,500
66-70	300	2,300	6,780	500	13,420	3,620	42,560	1,700	4,680	6,580	47,480	6,280	10,960	9,580	156,380
71-75	580	1,120	3,420	40	12,720	5,920	36,820	3,300	5,080	2,680	44,500	200	1,900	7,200	125,480
76-80	380	780	2,240	400	11,920	4,820	11,160	1,980	6,340	2,440	49,620	100	1,120	6,920	100,120
81-85	125	820	1,600	200	6,440	4,740	13,060	150	6,440	2,320	32,520	40	940	5,200	74,400
86-90	203	1,221	1,534	109	5,803	3,911	18,711	165	3,526	4,771	41,772	83	1,260	4,500	87,261
91-95	59	1,409	4,020	40	4,862	2,541	33,093	315	4,898	1,268	21,244	29	796	2,204	75,975
96-2000	8	1,336	5,000	57	2,295	2,713	13,705	752	3,672	159	17,403	0	26	3,379	50,504
2001-05	14	796	3,585	31	943	992	7,956	35	3,185	12	10,612	31	11	2,000	30,046
2006-08	52	560	2,662	280	1,385	581	5,486	513	692	14	6,325	0	5	1,786	20,253

* - TRace = Fewer than 50

** - NS = No Survey

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Revision JDK

07/17/2008

*** - INCOMPLETE SURVEY. ESTIMATES FOR THE FLYWAY AND SOME STATES (IL, LA, 93; LA, MS, 97), ARE NOT COMPARABLE WITH OTHER YEARS.

Estimates of Regular-Season All Duck Harvest in the Central Flyway (Based on HIP)

Year	MT ^a	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	44,900	538,500	302,900	28,500	189,300	68,100	203,200	21,600	266,000	1,232,500	2,895,500
2000	40,500	427,300	218,400	32,400	207,700	91,100	195,600	52,800	219,400	1,550,700	3,035,900
2001	37,700	491,200	294,300	36,400	206,300	118,600	168,300	52,000	153,500	1,449,100	3,007,300
2002	34,500	514,600	251,700	41,300	216,000	82,300	202,100	40,100	228,600	907,200	2,518,500
2003*	46,500	496,800	254,400	35,700	214,500	115,400	203,200	52,400	207,500	703,200	2,329,500
2004*	42,800	541,900	215,300	39,700	158,800	93,200	249,100	32,300	346,000	841,500	2,560,600
2005*	36,400	519,400	179,200	25,900	158,400	69,500	145,400	27,300	276,900	1,158,300	2,596,800
2006*	29,300	378,700	193,500	31,200	155,500	87,000	133,700	41,100	288,000	896,400	2,234,400
2007*	33,500	373,000	182,900	37,000	175,500	84,400	135,500	27,400	433,300	914,600	2,397,100
Averages											
1999-2000	42,700	482,900	260,700	30,500	198,500	79,600	199,400	37,200	242,700	1,391,600	2,965,700
2001-05	39,600	512,800	239,000	35,800	190,800	95,800	193,700	40,800	242,500	1,011,900	2,602,500
2006-07	31,400	375,900	188,200	34,100	165,500	85,700	134,600	34,300	360,700	905,500	2,315,800

* Preliminary estimate

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Revision:

07/17/08

JDK

^a For 2001-2002, harvest from Montana assigned to the Sheet: TOTDU-MALL-NOPI
Pacific Flyway pending further analysis

Estimates of Regular-Season Mallard Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	29,700	254,300	145,200	17,700	91,000	38,300	114,200	7,900	114,600	182,800	995,500
2000	29,200	182,500	110,600	21,400	118,500	49,400	102,800	21,900	116,400	283,100	1,036,000
2001	27,200	242,100	155,000	24,900	133,900	80,900	97,700	22,900	92,800	300,900	1,178,400
2002	22,300	227,000	117,100	23,700	112,600	43,000	93,100	20,700	121,500	232,700	1,013,600
2003*	38,200	231,300	124,600	19,400	128,000	59,600	95,700	25,100	110,000	130,100	962,100
2004*	32,600	223,900	94,000	22,200	95,900	47,900	133,600	15,600	186,800	117,000	969,400
2005*	26,900	233,100	81,700	17,000	89,400	31,100	84,200	8,100	125,400	171,200	868,100
2006*	18,200	162,300	72,700	19,300	86,800	44,800	55,800	12,400	126,400	111,200	710,000
2007*	19,200	171,200	83,600	25,300	91,000	39,400	61,000	9,300	219,600	86,900	806,700
Averages											
1999-2000	29,500	218,400	127,900	19,600	104,800	43,900	108,500	14,900	115,500	233,000	1,015,800
2001-05	29,400	231,500	114,500	21,400	112,000	52,500	100,900	18,500	127,300	190,400	998,300
2006-07	18,700	166,800	78,200	22,300	88,900	42,100	58,400	10,900	173,000	99,100	758,400

* Preliminary estimate

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Revision:

07/17/08

JDK

Sheet: TOTDU-MALL-NOPI

Estimates of Regular-Season Pintail Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	1,000	26,700	13,000	900	5,200	900	5,400	1,100	6,300	69,400	129,900
2000	900	18,600	8,200	300	7,500	2,300	7,500	3,000	5,600	82,000	135,900
2001	600	21,300	12,500	400	6,800	1,800	7,300	2,400	3,800	79,100	136,100
2002	800	17,200	9,300	600	4,200	1,700	4,600	600	2,100	19,600	60,700
2003*	700	17,800	6,100	100	3,000	2,200	4,200	2,100	1,100	18,400	55,600
2004*	700	21,000	4,800	500	3,000	1,300	3,300	700	5,700	22,300	63,300
2005*	700	20,700	5,100	400	3,100	800	3,700	1,100	5,600	37,800	78,900
2006*	300	10,600	4,800	300	1,500	700	2,700	1,700	2,300	41,400	66,400
2007*	300	11,600	5,800	500	4,300	1,800	2,600	1,000	5,400	54,800	88,200
Averages											
1999-2000	1,000	22,700	10,600	600	6,400	1,600	6,500	2,100	6,000	75,700	132,900
2001-05	700	19,600	7,600	400	4,000	1,600	4,600	1,400	3,700	35,400	78,900
2006-07	300	11,100	5,300	400	2,900	1,300	2,700	1,400	3,900	48,100	77,300

* Preliminary estimate

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Revision:

07/17/08

JDK

Sheet: TOTDU-MALL-NOPI

Estimates of Regular-Season Redhead Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	600	18,700	7,100	900	2,300	1,100	3,500	100	2,700	63,000	99,900
2000	600	9,900	4,900	900	2,400	800	2,800	500	3,500	60,200	86,700
2001	0	14,000	7,300	100	2,000	400	2,900	800	2,000	63,700	93,200
2002	200	5,800	1,000	500	1,800	600	2,800	100	2,600	14,100	29,600
2003*	300	12,200	3,200	400	2,200	1,200	1,200	300	900	12,500	34,400
2004*	700	7,900	2,200	100	1,000	500	2,000	100	2,200	18,400	35,100
2005*	400	20,800	3,900	300	3,400	1,500	3,800	400	2,000	40,100	76,700
2006*	1,100	20,100	9,700	100	3,800	2,000	4,200	400	2,500	35,500	79,300
2007*	700	21,400	9,400	400	2,400	2,800	1,600	300	3,600	42,100	84,800
Averages											
1999-2000	600	14,300	6,000	900	3,400	1,000	3,200	300	3,100	61,600	93,300
2001-05	300	12,100	3,500	300	2,100	800	2,500	300	1,900	29,800	53,800
2006-07	900	20,800	10,000	300	3,100	2,400	2,900	400	3,100	38,800	82,100

* Preliminary estimate

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Revision:

07/17/08

JDK

Sheet: REDH-CANV-LESC

Estimates of Regular-Season Canvasback Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	600	7,600	1,700	100	900	100	800	100	1,400	20,300	33,600
2000	200	4,900	1,600	0	0	100	100	100	1,500	18,300	27,000
2001	200	5,000	400	100	300	100	500	0	200	7,200	14,000
2002	0	100	0	0	0	0	0	0	0	1,100	1,200
2003*	200	2,700	900	0	600	100	100	0	800	2,600	8,000
2004*	0	4,800	600	0	0	0	300	100	300	2,800	8,900
2005*	100	7,600	600	0	500	200	500	0	1,500	6,500	17,500
2006*	200	8,200	2,000	100	800	0	300	200	300	5,900	18,000
2007*	0	6,100	600	0	200	300	300	200	1,500	6,000	15,300
Averages											
1999-2000	400	6,300	1,700	50	500	100	500	100	1,500	19,300	30,300
2001-05	100	4,000	500	20	300	80	300	20	600	4,000	9,900
2006-07	100	7,200	1,300	50	500	200	300	200	900	6,000	16,700

* Preliminary estimate

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Revision:

07/17/08

JDK

Sheet: REDH-CANV-LESC

Estimates of Regular-Season Lesser Scaup Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	600	18,200	3,500	300	1,400	200	300	0	500	12,900	37,700
2000	800	23,000	4,200	100	800	800	100	300	900	52,400	83,300
2001	100	23,500	3,600	100	900	400	900	200	400	41,800	71,900
2002	800	25,500	4,500	400	3,500	1,600	2,000	300	4,100	44,800	87,400
2003*	200	17,100	3,200	400	2,600	900	900	100	1,600	17,900	45,000
2004*	200	20,200	8,100	500	800	800	1,800	0	1,400	33,100	66,800
2005*	100	21,700	4,200	200	300	400	200	0	2,400	24,800	54,400
2006*	100	20,600	7,100	100	800	500	800	300	2,100	18,700	50,900
2007*	300	16,200	4,200	0	600	200	600	300	2,500	15,800	40,700
Averages											
1999-2000	700	20,600	3,900	200	1,100	500	200	200	700	32,700	60,500
2001-05	300	21,600	4,700	300	1,600	800	1,200	100	2,000	32,500	65,100
2006-07	200	18,400	5,700	50	700	400	700	300	2,300	17,300	45,800

* Preliminary estimate

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Revision:

07/17/08

JDK

Sheet: REDH-CANV-LESC

Estimates of Regular-Season All Duck Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY ^a	CA	NV	UT	CO ^a	AZ	NM ^a	AK	PFTOT
1999	641,600	427,500	251,500	78,300	19,300	1,214,500	88,500	252,800	20,000	53,100	2,700	77,400	3,127,300
2000	568,200	423,800	235,000	100,500	10,900	953,000	47,400	209,000	23,500	57,600	4,700	77,800	2,711,300
2001	430,700	313,500	141,800	85,800	6,400	1,067,000	36,700	170,300	16,200	39,400	6,800	77,600	2,392,200
2002	389,500	357,700	191,800	92,600	2,600	826,600	44,900	172,600	16,300	33,900	8,000	74,100	2,210,500
2003*	350,800	276,200	262,900	87,100	3,900	1,013,100	50,200	325,600	17,000	40,700	5,700	5,700	2,504,400
2004*	353,300	256,800	188,500	78,100	3,100	1,480,700	37,100	198,700	25,000	34,100	2,100	63,000	2,720,500
2005*	396,200	357,600	258,300	78,900	10,000	1,327,200	49,600	269,900	24,500	51,900	5,100	74,500	2,829,154 #
2006*	496,400	630,600	278,000	83,500	14,100	1,480,800	55,400	310,400	17,300	45,700	2,500	65,200	3,480,000
2007*	452,600	684,200	229,100	86,100	12,900	1,632,900	43,800	230,600	20,000	48,200	10,200	67,900	3,450,654 #
Averages													
1999-2000	604,900	425,600	243,300	89,400		1,083,800	68,000	230,900		55,400		77,600	2,919,300
2001-05	384,100	312,400	208,700	84,500	5,200	1,142,900	43,700	227,400	19,800	40,000	5,500	59,000	2,531,400
2006-07	474,500	657,400	253,600	84,800	13,500	1,556,900	49,600	270,500	18,700	47,000	6,400	66,600	3,465,300

All estimates are preliminary

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Revision: 07/17/08

JDK

^a For 2001-2002, harvest from Wyoming, Colorado, and New Mexico assigned to the Central Flyway pending further analysis.

Sheet: TOTDU-MALL-NOPI

Estimates of Regular-Season Mallard Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	371,500	203,000	187,000	59,600	13,400	328,200	29,200	72,000	15,200	14,500	1,500	23,400	1,318,500
2000	332,400	203,000	171,000	78,000	8,000	309,500	15,300	66,000	15,400	17,200	2,700	19,100	1,237,500
2001	256,100	145,100	106,700	67,700	4,300	307,900	13,100	72,800	12,800	13,800	3,600	27,700	1,031,600
2002	229,300	180,200	131,600	54,900	1,200	191,300	18,700	55,800	11,500	8,700	4,000	19,500	906,800
2003*	189,700	121,100	195,900	68,600	3,300	288,100	17,800	123,400	11,800	10,700	3,200	3,200	1,058,300
2004*	178,100	89,800	122,100	55,500	2,800	359,700	12,400	67,900	17,700	11,300	1,400	21,500	940,200
2005*	212,200	142,800	172,700	58,900	5,500	349,800	12,600	85,000	17,300	14,900	3,200	30,300	1,074,807 #
2006*	269,900	261,400	167,500	58,800	5,800	349,100	22,100	97,000	10,300	6,300	1,400	22,600	1,272,200
2007*	235,400	271,000	155,500	55,300	7,100	270,300	12,900	72,200	12,600	10,300	5,000	20,000	1,107,485 #
Averages													
1999-2000	352,000	203,000	179,000	68,800	10,700	318,900	22,300	69,000	15,300	15,900	2,100	21,300	1,278,000
2001-05	213,100	135,800	145,800	61,100	3,400	299,400	14,900	81,000	14,200	11,900	3,100	20,400	1,002,300
2006-07	252,700	266,200	161,500	57,100	6,500	309,700	17,500	84,600	11,500	8,300	3,200	21,300	1,189,800

All estimates are preliminary

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Revision: 07/17/08

JDK

Sheet: TOTDU-MALL-NOPI

Estimates of Regular-Season Pintail Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	34,700	27,100	6,200	900	700	120,500	6,600	21,100	200	1,800	0	10,700	230,400
2000	40,600	30,400	6,000	1,300	300	82,200	3,300	19,100	200	2,400	0	17,100	203,000
2001	16,500	18,500	2,800	1,000	300	91,200	2,400	12,900	100	2,400	300	11,600	159,800
2002	13,400	18,000	3,200	3,000	0	67,900	2,100	10,200	100	600	400	11,200	130,200
2003*	11,000	15,700	5,900	1,200	0	79,300	1,800	18,800	0	1,200	0	0	144,000
2004*	9,300	16,600	3,400	1,100	0	98,800	800	10,200	100	500	0	6,100	147,000
2005*	21,500	27,900	6,500	1,500	100	115,700	3,400	23,400	200	2,600	0	5,800	202,728 #
2006*	21,100	47,500	5,800	2,000	100	123,200	2,600	26,900	200	2,300	0	7,600	239,400
2007*	24,900	57,400	4,600	2,100	400	137,900	3,000	19,000	200	2,600	300	7,200	252,277 #
Averages													
1999-2000	37,700	28,800	6,100	1,100	500	101,400	5,000	20,100	200	2,100	0	13,900	216,700
2001-05	14,300	19,300	4,400	1,600	80	90,600	2,100	15,100	100	1,500	100	6,900	156,700
2006-07	23,000	52,500	5,200	2,100	300	130,600	2,800	22,300	200	2,500	200	7,400	245,800

All estimates are preliminary

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Revision: 07/17/08

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Sheet: TOTDU-MALL-NOPI

Estimates of Regular-Season Redhead Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	1,600	2,100	500	600	0	4,900	1,300	4,000	0	1,800	0	0	16,800
2000	1,700	2,600	1,100	500	0	4,100	400	2,800	100	1,500	0	200	15,000
2001	4,500	100	100	400	0	4,400	100	2,100	0	0	0	0	11,700
2002	1,400	400	700	1,200	0	4,200	400	1,900	0	500	0	200	10,900
2003*	1,800	200	2,500	1,100	0	8,200	700	7,900	0	300	0	0	22,900
2004*	3,100	0	2,000	400	0	9,600	1,200	4,800	100	900	0	100	22,200
2005*	2,100	600	1,000	900	0	7,800	1,800	5,900	200	400	0	300	20,630 #
2006*	2,300	1,600	1,300	700	400	9,100	1,300	7,800	200	1,600	100	0	26,300
2007*	1,500	400	900	500	300	9,500	400	4,200	200	800	300	0	18,957 #
Averages													
1999-2000	1,700	2,400	800	600	0	4,500	900	3,400	50	1,700	0	100	15,900
2001-05	2,600	300	1,300	800	0	6,800	800	4,500	60	400	0	100	17,700
2006-07	1,900	1,000	1,100	600	400	9,300	900	6,000	200	1,200	200	0	22,600

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Revision: 07/17/08

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Sheet: REDH-CANV-LESC

Estimates of Regular-Season Canvasback Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	2,100	2,300	0	500	0	12,700	1,000	1,300	0	200	0	0	20,100
2000	1,000	3,100	300	500	100	10,600	200	3,000	0	900	0	200	20,000
2001	800	600	0	100	0	6,700	100	1,000	0	200	0	0	9,500
2002	100	100	0	100	0	600	0	0	0	0	0	300	1,200
2003*	800	500	400	300	0	7,000	300	1,600	0	300	0	0	11,400
2004*	1,300	300	200	200	0	11,500	300	1,000	0	100	0	100	15,000
2005*	900	300	300	600	100	4,800	500	1,500	100	500	0	400	9,378 #
2006*	1,900	1,800	600	700	100	17,500	300	3,500	200	300	0	100	27,000
2007*	2,000	2,900	200	500	100	32,600	1,400	4,700	0	1,300	300	400	46,104 #
Averages													
1999-2000	1,600	2,700	200	500	50	11,700	600	2,200	0	600	0	100	20,100
2001-05	800	400	200	300	20	6,100	200	1,000	20	200	0	200	9,300
2006-07	2,000	2,400	400	600	100	25,100	900	4,100	100	800	200	300	36,600

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Revision: 07/17/08

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Sheet: REDH-CANV-LESC

Estimates of Regular-Season Lesser Scaup Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	6,500	7,900	500	700	0	9,600	0	3,300	0	100	0	600	29,300
2000	3,900	8,200	900	2,400	0	12,600	100	2,100	200	200	0	700	31,400
2001	5,800	5,500	300	2,300	0	13,900	100	1,600	0	200	0	500	30,200
2002	3,600	8,500	800	2,300	0	11,900	300	3,500	100	500	0	1,300	32,900
2003*	5,300	7,000	1,600	700	0	13,000	200	10,100	0	200	0	0	39,000
2004*	10,700	7,900	2,400	1,300	0	26,000	200	2,600	100	300	0	900	52,300
2005*	5,100	5,800	3,200	1,000	0	8,400	200	3,800	100	700	0	1,400	28,067 #
2006*	12,200	10,800	1,800	500	200	4,700	100	3,800	100	100	0	600	34,700
2007*	9,600	15,700	700	700	200	18,400	200	5,000	200	400	300	600	51,393 #
Averages													
1999-2000	5,200	8,100	700	1,600	0	11,100	50	3,000	100	200	0	700	30,400
2001-05	6,100	6,900	1,700	1,500	0	14,600	200	4,300	60	400	0	800	36,500
2006-07	10,900	13,300	1,300	600	200	15,600	200	4,400	200	300	200	600	43,000

All estimates are preliminary

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Revision: 07/17/08

JDK

Sheet: REDH-CANV-LESC

DUCK STAMP SALES IN THE UNITED STATES

YEAR	AF	MF	CF	P F		TOTAL	US TOTAL
				LWR STS	AK		
1961	232,578	527,145	271,865	294,178	10,157	304,335	1,335,923
1962	236,311	411,981	185,633	295,920	10,371	306,291	1,140,216
1963	270,382	571,667	262,470	325,127	10,456	335,583	1,440,102
1964	284,756	663,791	280,810	325,119	9,244	334,363	1,563,720
1965	301,088	636,470	260,027	343,056	9,406	352,462	1,550,047
1966	336,472	758,768	311,216	379,551	10,640	390,191	1,796,647
1967	360,937	813,797	360,157	381,364	10,358	391,722	1,926,613
1968	384,762	711,745	323,885	394,208	12,411	406,619	1,827,011
1969	438,372	810,588	373,751	428,020	13,281	441,301	2,064,012
1970	496,387	1,005,265	437,120	457,545	12,936	470,481	2,409,253
1971	501,289	1,003,218	454,635	438,146	14,423	452,569	2,411,711
1972	438,264	892,774	425,003	389,586	14,918	404,504	2,160,545
1973	434,851	826,911	412,320	387,156	17,068	404,224	2,078,306
1974	448,849	892,017	426,135	396,860	16,018	412,878	2,179,879
1975	441,838	916,734	430,618	400,864	16,310	417,174	2,206,364
1976	435,933	854,924	429,661	388,340	18,455	406,795	2,127,313
1977	434,558	872,064	423,871	383,195	19,253	402,448	2,132,941
1978	451,321	848,856	430,590	381,302	19,689	400,991	2,131,758
1979	416,574	808,051	414,970	368,850	19,046	387,896	2,027,491
1980	409,281	787,236	388,865	362,690	20,110	382,800	1,968,182
1981	407,905	724,334	339,358	332,455	15,814	348,269	1,819,866
1982	402,927	709,923	358,908	340,339	18,000	358,339	1,830,097
1983	390,894	686,016	338,735	339,640	18,388	358,028	1,773,673
1984	412,865	703,159	354,306	326,461	18,475	344,936	1,815,266
1985	382,544	651,194	329,010	300,512	15,592	316,104	1,678,852
1986	387,742	673,864	335,644	272,935	19,424	292,359	1,689,609
1987	367,047	621,666	302,335	241,053	14,162	255,215	1,546,263
1988	342,527	508,198	240,976	202,641	14,973	217,614	1,309,315
1989	331,578	528,299	245,309	199,302	12,945	212,247	1,317,433
1990	326,404	557,549	238,921	196,009	13,872	209,881	1,332,755
1991	316,468	550,688	232,259	184,892	12,508	197,400	1,296,815
1992	300,332	554,396	234,489	185,744	11,041	196,785	1,286,002
1993	292,601	570,538	248,347	210,695	11,214	221,909	1,333,395
1994	296,841	635,327	264,170	209,096	11,340	220,436	1,416,774
1995	271,439	684,671	295,505	225,982	12,035	238,017	1,489,632
1996	291,829	695,871	298,751	226,292	12,856	239,148	1,525,599
1997	305,696	752,280	338,937	238,326	13,114	251,440	1,648,353
1998	296,090	735,443	327,126	235,828	11,580	247,408	1,606,067
1999	297,210	748,363	335,304	248,392	9,784	258,176	1,639,053
2000	304,325	747,734	347,201	245,434	10,134	255,568	1,654,828
2001	307,095	736,896	350,725	236,636	10,068	246,704	1,641,420
2002	308,291	710,414	323,949	223,718	10,173	233,891	1,576,545
2003	310,894	699,141	321,018	221,114	9,978	231,092	1,562,145
2004	306,956	670,534	300,334	216,000	9,692	225,692	1,503,516
2005	313,967	616,720	288,336	213,546	9,198	222,744	1,441,767
2006*	274,946	636,687	294,210	208,357	8,858	217,215	1,449,181
2007*							Not available as of 18 July 2007
AVERAGES:							
61-65	265,023	562,211	252,161	316,680	9,927	326,607	1,406,002
66-70	403,386	820,033	361,226	408,138	11,925	420,063	2,004,707
71-75	453,018	906,331	429,742	402,522	15,747	418,270	2,207,361
76-80	429,533	834,226	417,591	376,875	19,311	396,186	2,077,537
81-85	399,427	694,925	344,063	327,881	17,254	345,135	1,783,551
86-90	351,060	577,915	272,637	222,388	15,075	237,463	1,439,075
91-95	295,536	599,124	254,954	203,282	11,628	214,909	1,364,524
96-2000	299,030	735,938	329,464	238,854	11,494	250,348	1,614,780
2001-05	303,692	678,399	313,095	219,895	9,661	229,556	1,529,096
2006-07							

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Revision:

JDK

07/17/08

Estimates of Regular-Season All Duck Harvest in the United States (Based on HIP)

Year	Atlantic	Mississippi	Central	Pacific			U.S. Total
				Lower states	Alaska	Total	
1999	1,829,000	7,599,900	2,895,500	3,049,900	77,400	3,127,300	15,451,700
2000	1,791,900	7,610,600	3,035,900	2,633,500	77,800	2,711,300	15,149,700
2001	1,694,600	6,410,700	3,007,300	2,314,600	77,600	2,392,200	13,504,800
2002	1,760,100	5,681,100	2,518,500	2,136,400	74,100	2,210,500	12,170,100
2003*	1,608,100	6,408,700	2,329,500	2,433,200	71,200	2,504,400	12,850,700
2004*	1,407,700	5,353,300	2,560,600	2,657,500	63,000	2,720,500	12,042,100
2005*	1,591,000	5,150,400	2,596,800	2,829,200	74,500	2,903,700	12,241,800
2006*	1,597,800	5,930,000	2,234,400	3,414,800	65,200	3,480,000	13,242,200
2007*	1,658,600	6,366,700	2,397,100	3,450,700	67,900	3,518,600	13,940,900
Averages							
1999-2000	1,810,500	7,605,300	2,965,700	2,841,700	77,600	2,919,300	15,300,700
2001-05	1,612,300	5,800,800	2,602,500	2,474,200	72,100	2,546,300	12,561,900
2006-07	1,628,200	6,148,400	2,315,800	3,432,800	66,600	3,499,300	13,591,600

* Preliminary estimates

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Revision:

07/17/08

JDK

Estimates of Regular-Season Mallard Harvest in the United States (Based on HIP)

Year	Atlantic	Mississippi	Central	Pacific			U.S. Total
				Lower states	Alaska	Total	
1999	444,100	3,136,900	995,500	1,295,100	23,400	1,318,500	5,894,900
2000	523,000	3,272,700	1,036,000	1,218,400	19,100	1,237,500	6,069,100
2001	472,700	2,796,000	1,178,400	1,003,900	27,700	1,031,600	5,478,700
2002	538,800	2,374,300	1,013,600	887,200	19,500	906,800	4,833,600
2003*	427,300	2,570,500	962,100	1,033,500	24,800	1,058,300	5,018,200
2004*	422,000	2,199,900	969,400	918,700	21,500	940,200	4,531,500
2005*	444,300	2,049,400	868,100	1,074,800	30,300	1,105,100	4,466,900
2006*	399,700	2,286,300	710,000	1,249,500	22,600	1,272,200	4,668,000
2007*	429,900	2,514,100	806,700	1,107,500	20,000	1,127,500	4,878,300
Averages							
1999-2000	483,600	3,204,800	1,015,800	1,256,800	21,300	1,278,000	5,982,000
2001-05	461,000	2,398,000	998,300	983,600	24,800	1,008,400	4,865,800
2006-07	414,800	2,400,200	758,400	1,178,500	21,300	1,199,900	4,773,200

* Preliminary estimates

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Revision:

07/17/08

JDK

Estimates of Regular-Season Pintail Harvest in the United States (Based on HIP)

Year	Atlantic	Mississippi	Central	Pacific		Total	U.S. Total
				Lower states	Alaska		
1999	25,100	153,300	129,900	219,800	10,700	230,400	538,700
2000	20,000	153,000	135,900	185,900	17,100	203,000	512,000
2001	20,600	125,100	136,100	148,200	11,600	159,800	441,600
2002	17,200	99,800	60,700	119,000	11,200	130,200	307,900
2003*	18,100	123,300	55,600	134,900	9,100	144,000	341,100
2004*	10,300	90,500	63,300	141,000	6,100	147,000	311,100
2005*	17,300	107,300	78,900	202,700	5,800	208,500	412,000
2006*	20,300	104,300	66,400	231,800	7,600	239,400	430,300
2007*	19,100	162,400	88,200	252,300	7,200	259,400	529,200
Averages							
1999-2000	22,600	153,200	132,900	202,900	13,900	216,700	525,400
2001-05	16,700	109,200	78,900	149,200	8,800	157,900	362,700
2006-07	19,700	133,400	77,300	242,100	7,400	249,400	479,800

* Preliminary estimates

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Revision:

07/17/08

JDK

Estimates of Regular-Season Canvasback Harvest in the United States (Based on the HIP)

Year	Atlantic	Mississippi	Central	Pacific		Total	U.S. Total
				Lower states	Alaska		
1999	5,600	40,500	33,600	20,100	0	20,100	99,800
2000	16,500	49,200	27,000	19,800	200	20,000	112,600
2001	1,600	11,600	14,000	9,500	0	9,500	36,600
2002	0	600	1,200	800	300	1,200	3,000
2003*	4,700	11,300	8,000	11,200	200	11,400	35,400
2004*	9,800	10,800	8,900	14,900	100	15,000	44,500
2005*	4,400	32,800	17,500	9,400	400	9,700	64,400
2006*	1,200	45,600	18,000	26,900	100	27,000	91,900
2007*	7,000	56,400	15,300	46,100	400	46,500	125,200
Averages							
1999-2000	11,100	44,900	30,300	20,000	100	20,100	106,200
2001-05	4,100	13,400	9,900	9,200	200	9,400	36,800
2006-07	4,100	51,000	16,700	36,500	300	36,800	108,600

* Preliminary estimates

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Revision:

07/17/08

JDK

HARVEST AGE RATIOS (IMM./AD.) FOR MALLARDS AND BLACK DUCKS

YEAR	MALLARD						BLACK DUCK		
	A.F.	M.F.	C.F.	P.F.	AK	U.S.	A.F.	M.F.	U.S.
1961	1.97	1.09	0.62	1.24		1.05	1.68	2.00	1.74
1962	1.55	1.46	0.91	1.27		1.29	1.32	1.60	1.37
1963	1.66	1.34	0.93	1.59		1.36	1.48	1.12	1.39
1964	1.77	1.17	0.65	1.22		1.10	1.49	1.21	1.41
1965	1.83	1.63	0.89	1.88		1.60	1.38	1.69	1.46
1966	1.72	1.50	0.94	1.54	14.42	1.40	1.51	1.11	1.37
1967	1.91	1.48	0.88	1.73	4.50	1.43	1.85	1.62	1.79
1968	2.08	1.10	0.46	1.04	3.91	0.97	1.89	1.44	1.80
1969	1.62	1.81	1.01	2.02	4.51	1.63	1.32	1.12	1.27
1970	1.93	1.19	0.73	1.46	2.20	1.18	1.72	0.99	1.46
1971	1.48	0.99	0.81	1.44	2.71	1.07	1.40	1.42	1.40
1972	1.58	0.96	0.58	1.10	3.65	0.91	1.35	0.94	1.19
1973	2.17	1.32	0.67	1.13	8.35	1.13	1.82	1.26	1.62
1974	2.15	1.92	1.19	1.90	3.15	1.77	1.81		1.72
1975	1.84	1.36	0.92	1.60	4.01	1.35	1.87	1.27	1.70
1976	1.88	1.26	0.90	1.69	3.89	1.32	1.38	1.09	1.30
1977	1.57	0.84	0.46	1.13	2.43	0.86	1.81	1.32	1.64
1978	1.64	1.15	1.00	1.80	4.94	1.30	1.60	1.49	1.58
1979	2.27	1.43	0.97	1.53	4.37	1.41	1.54	1.51	1.53
1980	1.72	0.92	0.68	1.12	3.72	0.98	1.50	1.19	1.42
1981	1.36	0.77	0.52	1.00	1.92	0.82	1.67	1.24	1.56
1982	1.73	1.13	0.71	1.26	5.68	1.13	1.85	1.11	1.65
1983	1.66	1.42	0.82	1.64	4.61	1.37	1.61	1.21	1.49
1984	1.68	1.26	0.75	1.25	4.61	1.18	2.00	2.12	2.03
1985	1.50	1.09	0.78	1.20	4.01	1.11	1.82	1.23	1.67
1986	1.57	1.34	1.02	1.47	4.05	1.34	1.04	1.00	1.03
1987	1.81	1.31	0.94	1.08	3.48	1.22	1.29	1.24	1.28
1988	1.64	0.96	0.49	0.82	2.42	0.90	1.57	1.24	1.51
1989	1.75	1.12	0.67	1.31	3.64	1.16	1.41	1.08	1.32
1990	1.41	0.95	0.57	1.13	3.14	0.98	1.24	1.08	1.20
1991	1.12	0.99	0.61	0.84	2.58	0.92	1.23	0.87	1.13
1992	1.02	0.82	0.50	0.93	2.99	0.82	0.95	0.97	0.95
1993	1.36	1.17	0.67	1.47	4.98	1.17	1.42	1.11	1.32
1994	1.20	1.07	0.91	1.25	4.91	1.10	1.16	1.04	1.13
1995	1.09	0.92	0.90	1.01	3.74	0.95	1.14	0.96	1.09
1996	1.16	1.02	0.86	1.28	2.29	1.06	1.00	0.65	0.88
1997	1.26	1.16	0.91	1.52	4.74	1.20	1.39	1.75	1.48
1998	1.03	0.81	0.67	1.33	3.27	0.91	1.24	1.64	1.36
1999	0.91	0.89	0.73	0.96	5.28	0.88	0.99	1.35	1.11
2000	0.92	0.68	0.54	1.02	2.43	0.74	0.83	0.63	0.76
2001	1.14	1.33	0.71	1.22	4.56	1.13	1.10	1.19	1.26
2002	0.96	0.90	0.58	1.17	2.99	0.87	1.02	0.88	0.94
2003*	1.26	1.40	0.87	1.51	4.07	1.29	1.12	1.13	1.12
2004*	1.37	1.03	0.74	1.43	4.82	1.06	0.87	1.20	0.97
2005*	1.54	1.63	1.26	1.98	5.47	1.62	1.56	1.63	1.58
2006*	1.35	1.44	1.05	1.82	2.19	1.45	1.39	1.69	1.47
2007*	1.31	1.20	1.07	1.23	2.69	1.20	1.31	1.02	1.22
AVERAGES:									
61-65	1.76	1.34	0.80	1.44		1.28	1.47	1.52	1.47
66-70	1.85	1.42	0.80	1.56	5.91	1.32	1.66	1.26	1.54
71-75	1.84	1.31	0.83	1.43	4.37	1.25	1.65	1.22	1.53
76-80	1.82	1.12	0.80	1.45	3.87	1.17	1.57	1.32	1.49
81-85	1.59	1.13	0.72	1.27	4.17	1.12	1.79	1.38	1.68
86-90	1.64	1.14	0.74	1.16	3.35	1.12	1.31	1.13	1.27
91-95	1.16	0.99	0.72	1.10	3.84	0.99	1.18	0.99	1.12
96-2000	1.06	0.91	0.74	1.22	3.60	0.96	1.09	1.21	1.12
2001-05	1.25	1.26	0.83	1.46	4.38	1.20	1.13	1.21	1.17
2006-07	1.33	1.32	1.06	1.52	2.44	1.33	1.35	1.36	1.34

* - Preliminary

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TUNDRA SWAN HUNTING PERMITS ISSUED FOR THE EASTERN AND WESTERN POPULATIONS													
Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL	
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL		
1962							1,000					1,000	1,000
1963							1,000					1,000	1,000
1964							1,000					1,000	1,000
1965							995					995	995
1966							1,000					1,000	1,000
1967							1,000					1,000	1,000
1968							1,000					1,000	1,000
1969							2,500	500				3,000	3,000
1970							2,500	500	500			3,500	3,500
1971							2,495	500	500			3,495	3,495
1972							2,500	500	500			3,500	3,500
1973							2,500	500	500			3,500	3,500
1974							2,500	500	500			3,500	3,500
1975							2,500	500	500			3,500	3,500
1976							2,500	500	500			3,500	3,500
1977							2,488	500	500			3,488	3,488
1978							2,500	500	500			3,500	3,500
1979							2,500	500	500			3,500	3,500
1980							2,500	500	500			3,500	3,500
1981							2,500	500	500			3,500	3,500
1982							2,500	500	500			3,500	3,500
1983	109					109	2,500	650	500			3,650	3,759
1984	108			1,000		1,108	2,500	650	500			3,650	4,758
1985	120			6,000		6,120	2,488	650	500			3,638	9,758
1986	170			6,000		6,170	2,500	608	500			3,608	9,778
1987	171			5,968		6,139	2,499	594	500			3,593	9,732
1988	99	400		5,995	600	7,094	2,500	260	500	112		3,372	10,466
1989	167	1,000		5,444	600	7,211	2,500	324	500	130		3,454	10,665
1990	173	1,000	500	5,989	600	8,262	2,500	297	500	81		3,378	11,640
1991	204	2,000	1,000	6,000	600	9,804	2,500	258	500	84		3,342	13,146
1992	217	2,000	1,502	5,961	600	10,280	2,500	100	500	89		3,189	13,469
1993	212	2,000	1,500	6,000	400	10,112	2,500	205	500	170		3,375	13,487
1994	232	2,000	1,500	6,000	600	10,332	2,500	206	500	216		3,422	13,754
1995	291	2,000	1,500	6,000	600	10,391	2,750	383	500	210		3,843	14,234
1996	372	2,000	1,235	5,000	600	9,207	2,750	376	500	192		3,818	13,025
1997	364	2,000	1,077	5,000	600	9,041	2,750	381	500	201		3,832	12,873
1998	429	2,000	1,216	5,000	600	9,245	2,750	492	500	192		3,934	13,179
1999	432	2,000	863	5,000	600	8,895	2,750	518	500	227		3,995	12,890
2000	434	2,000	850	5,000	600	8,884	2,000	493	500	164		3,157	12,041
2001	398	2,000	983	5,000	600	8,981	2,000	308	500	255		3,063	12,044
2002	393	2,000	1,060	5,000	600	9,053	1,998	264	500	252		3,014	12,067
2003	423	2,200	1,002	5,000	600	9,225	2,000	298	500	215		3,013	12,238
2004	320	2,200	820	5,000	600	8,940	2,000	330	500	175		3,005	11,945
2005	348	2,200	811	5,000	600	8,959	1,997	370	500	176		3,043	11,945
2006	340	2,200	811	5,000	600	8,951	1,994	605	500	168		3,267	12,218
2007	323	2,200	1,064	5,000	600	9,187	2,000	650	500	162		3,312	12,499
AVERAGES:													
1962-69							1,187	500				1,249	1,249
1970-79							2,498	500	500			3,498	3,498
1980-89	135	700		5,068	600	4,850	2,499	524	500	121		3,547	6,942
1990-99	293	1,900	1,189	5,595	580	9,557	2,625	322	500	166		3,613	13,170
2000-04	386	2,100	921	5,000	600	9,007	1,999	344	500	206		3,049	12,047
Start-2007	274	1,870	1,072	5,265	590	8,068	2,389	411	500	174		3,439	11,504

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Revision: RVR

7/14/2006

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NUMBER OF ACTIVE TUNDRA SWAN HUNTERS FOR THE EASTERN AND WESTERN POPULATIONS												
Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	
1962												
1963												
1964							940				940	940
1965							915				915	915
1966							950				950	950
1967							910				910	910
1968							930				930	930
1969							2,225				2,225	2,225
1970							2,200		275		2,475	2,475
1971							2,146	415	245		2,806	2,806
1972							2,100	400	265		2,765	2,765
1973							2,175	375	230		2,780	2,780
1974							2,200	385	350		2,935	2,935
1975							2,175	390	350		2,915	2,915
1976							2,150	410	380		2,940	2,940
1977							2,264	380			2,644	2,644
1978							2,150	370	350		2,870	2,870
1979							2,150	390	390		2,930	2,930
1980							2,100	395	400		2,895	2,895
1981							2,225	445	330		3,000	3,000
1982							2,200	400	340		2,940	2,940
1983	70					70	2,125	507	375		3,007	3,077
1984	58			867		925	2,150	494	305		2,949	3,874
1985	60			5,080		5,140	2,021	436	275		2,732	7,872
1986	51			4,888		4,939	2,075	480	270		2,825	7,764
1987	106			5,014		5,120	1,924	404	395		2,723	7,843
1988	60	301		4,729	519	5,609	1,875	195	355	71	2,496	8,105
1989	117	865		4,446	517	5,945	1,925	262	400	81	2,668	8,613
1990	121	816	485	4,859	499	6,780	2,050	232	370	46	2,698	9,478
1991	131	1,565	850	4,849	488	7,883	1,950	181	185	53	2,369	10,251
1992	139	1,648	1,352	4,675	516	8,330	1,875	71	365	58	2,369	10,699
1993	119	1,603	1,350	4,802	334	8,208	2,025	135	380	83	2,623	10,831
1994	145	1,616	1,260	4,790	489	8,300	2,100	161	405	119	2,785	11,085
1995	175	1,638	900	4,776	495	7,984	2,172	287	340	118	2,917	10,901
1996	219	1,549	840	3,773	476	6,857	2,392	331	415	81	3,219	10,076
1997	262	1,671	872	3,892	503	7,200	2,392	328	395	125	3,240	10,440
1998	308	1,559	851	3,762	481	6,961	2,420	418	415	108	3,361	10,322
1999	282	1,675	690	3,836	445	6,928	2,338	435	390	148	3,311	10,239
2000	260	1,566	606	4,047	513	6,992	1,680	360	301	59	2,400	9,392
2001	233	1,553	827	3,997	510	7,120	1,560	240	340	151	2,291	9,411
2002	500	1,550	693	3,951	485	7,179	1,658	182	305	151	2,296	9,475
2003	199	1,436	587	4,257	520	6,999	1,740	221	250	131	2,342	9,341
2004	230	1,564	579	3,958	526	6,857	1,600	221	400	91	2,312	9,169
2005	240	1,715	539	4,180	527	7,201	1,618	270	380	83	2,351	9,552
2006	211	1,650	715	4,074	520	7,170	1,775	442	325	82	1,775	8,945
2007	213	1,672	700	4,126	509	7,220	1,800	501	400	70	2,771	9,991
AVERAGES:												
1962-69							1,145				1,145	1,145
1970-79							2,171	391	315		2,806	2,806
1980-89	75	583		4,171	518	3,964	2,062	402	345	76	2,823	5,598
1990-99	190	1,534	945	4,401	473	7,543	2,171	258	366	94	2,889	10,432
2000-04	277	1,564	639	4,065	514	7,058	1,643	249	329	111	2,332	9,390
Start-2007	180	1,461	816	4,235	494	6,397	1,970	312	349	95	2,673	9,070

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Active hunters

Revision: RVR

7/14/2006

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ESTIMATED RETRIEVED HARVESTS OF EASTERN AND WESTERN POPULATION TUNDRA SWANS													
Year	EASTERN POPULATION					TOTAL	WESTERN POPULATION					TOTAL	
	MT	ND	SD	NC	VA		UT	NV	MT	AK	TOTAL		
1962							320					320	320
1963							392					392	392
1964							335					335	335
1965							336					336	336
1966							491					491	491
1967							246					246	246
1968							520					520	520
1969							1,290	87				1,377	1,377
1970							812	208	179			1,199	1,199
1971							916	102	91			1,109	1,109
1972							754	124	150			1,028	1,028
1973							981	109	101			1,191	1,191
1974							928	190	259			1,377	1,377
1975							929	188	266			1,383	1,383
1976							764	206	139			1,109	1,109
1977							1,277	84	214			1,575	1,575
1978							916	90	146			1,152	1,152
1979							804	214	275			1,293	1,293
1980							803	103	250			1,156	1,156
1981							1,141	301	177			1,619	1,619
1982							944	161	139			1,244	1,244
1983	34					34	781	169	218			1,168	1,202
1984	22			313		335	744	229	221			1,194	1,529
1985	19			2,523		2,542	343	145	185			673	3,215
1986	41			2,302		2,343	551	196	200			947	3,290
1987	27			2,684	117	2,828	226	94	280			600	3,428
1988	25	191		2,488	117	2,821	501	78	260	16		855	3,676
1989	41	511		2,128	133	2,813	694	81	302	17		1,094	3,907
1990	59	474	339	2,855	128	3,855	874	67	275	16		1,232	5,087
1991	52	704	444	2,940	205	4,345	774	62	79	8		923	5,268
1992	37	833	814	2,609	187	4,480	450	29	221	17		717	5,197
1993	18	712	545	2,773	130	4,178	337	46	290	26		699	4,877
1994	62	690	483	3,750	194	5,179	768	88	326	40		1,222	6,401
1995	56	805	172	2,833	217	4,083	348	72	182	57		659	4,742
1996	61	663	233	2,177	195	3,329	897	119	302	50		1,368	4,697
1997	101	870	403	2,325	217	3,916	704	131	300	58		1,193	5,109
1998	81	618	233	2,363	248	3,543	1,142	185	276	51		1,654	5,197
1999	93	867	223	2,290	128	3,601	858	213	226	91		1,388	4,989
2000	115	751	151	2,515	179	3,711	550	78	217	112		957	4,668
2001	93	561	337	2,322	144	3,457	249	62	289	113		713	4,170
2002	51	688	193	2,363	177	3,472	480	45	167	51		743	4,215
2003	56	235	41	2,355	174	2,861	761	77	119	77		1,034	3,895
2004	105	719	134	1,745	159	2,862	612	82	254	51		999	3,861
2005	93	772	137	2,436	195	3,633	779	100	284	41		1,204	4,837
2006	64	611	163	2,291	163	3,292	814	155	169	71		395	3,687
2007	64	652	144	2,313	193	3,366	780	217	306	64		1,367	4,733
AVERAGES:													
1962-69							491	87				502	502
1970-79							908	152	182			1,242	1,242
1980-89	30	351		2,073	122	1,959	673	156	223	17		1,055	2,427
1990-99	62	724	389	2,692	185	4,051	715	101	248	41		1,106	5,156
2000-04	86	621	166	2,289	171	3,333	572	74	222	74		942	4,274
Start-2007	59	646	288	2,404	171	3,235	641	113	238	51		1,000	4,235

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Retrieved harvest

Revision: RVR

7/14/2006

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AVERAGE SEASONAL TUNDRA SWAN BAG (RETRIEVED & UNRETRIEVED) PER ACTIVE HUNTER												
Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	
1962												
1963												
1964							0.45				0.45	0.45
1965							0.43				0.43	0.43
1966							0.60				0.60	0.60
1967							0.37				0.37	0.37
1968							0.67				0.67	0.67
1969							0.70				0.75	0.75
1970							0.45		0.65		0.56	0.56
1971							0.51	0.29	0.37		0.46	0.46
1972							0.42	0.35	0.57		0.42	0.42
1973							0.56	0.32	0.49		0.52	0.52
1974							0.52	0.56	0.90		0.57	0.57
1975							0.50	0.57	0.87		0.56	0.56
1976							0.42	0.55	0.40		0.43	0.43
1977							0.70	0.25			0.73	0.73
1978							0.59	0.25	0.47		0.53	0.53
1979							0.49	0.66	0.86		0.56	0.56
1980							0.47	0.30	0.68		0.48	0.48
1981							0.65	0.79	0.59		0.67	0.67
1982							0.56	0.46	0.44		0.53	0.53
1983	0.49					0.49	0.48	0.38	0.63		0.48	0.48
1984	0.39			0.39		0.39	0.39	0.51	0.74		0.45	0.43
1985	0.32			0.55		0.55	0.21	0.36	0.72		0.28	0.45
1986	0.80			0.53		0.53	0.32	0.53	0.80		0.40	0.48
1987	0.26			0.60		0.62	0.13	0.26	0.77		0.24	0.49
1988	0.45	0.72		0.58	0.24	0.55	0.32	0.42	0.79	0.23	0.39	0.50
1989	0.39	0.68		0.53	0.29	0.53	0.44	0.32	0.85	0.27	0.48	0.52
1990	0.51	0.70	0.84	0.64	0.29	0.63	0.50	0.31	0.80	0.35	0.52	0.60
1991	0.41	0.52	0.61	0.65	0.45	0.61	0.48	0.35	0.46	0.15	0.46	0.57
1992	0.27	0.59	0.71	0.62	0.40	0.61	0.26	0.44	0.62	0.29	0.32	0.54
1993	0.18	0.49	0.51	0.62	0.41	0.56	0.19	0.36	0.84	0.36	0.30	0.50
1994	0.44	0.48	0.47	0.82	0.41	0.67	0.42	0.59	0.86	0.35	0.49	0.63
1995	0.34	0.55	0.22	0.67	0.45	0.57	0.19	0.32	0.57	0.49	0.26	0.49
1996	0.30	0.48	0.30	0.61	0.42	0.52	0.48	0.41	0.78	0.65	0.51	0.52
1997	0.44	0.56	0.51	0.64	0.45	0.59	0.38	0.45	0.90	0.52	0.45	0.55
1998	0.29	0.43	0.29	0.65	0.52	0.53	0.59	0.50	0.78	0.48	0.60	0.55
1999	0.34	0.57	0.36	0.61	0.30	0.55	0.46	0.53	0.61	0.65	0.49	0.53
2000	0.50	0.52	0.30	0.67	0.36	0.57	0.39	0.24	0.82	1.95	0.46	0.54
2001	0.40	0.36	0.41	0.63	0.30	0.49	0.20	0.27	0.94	0.77	0.35	0.45
2002	0.11	0.48	0.32	0.63	0.38	0.51	0.34	0.28	0.60	0.36	0.37	0.48
2003	0.29	0.18	0.07	0.58	0.35	0.43	0.50	0.37	0.53	0.63	0.50	0.45
2004	0.48	0.50	0.25	0.46	0.32	0.44	0.45	0.44	0.67	0.60	0.49	0.45
2005	0.42	0.49	0.29	0.62	0.40	0.54	0.54	0.39	0.83	0.55	0.57	0.55
2006	0.30	0.40	0.25	0.59	0.33	0.48	0.53	0.36	0.53	0.88	0.30	
2007	0.31	0.44	0.23	0.57	0.39	0.49	0.50	0.45	0.82	0.93	0.54	0.50
AVERAGES:												
1962-69							0.54				0.54	0.54
1970-79							0.51	0.42	0.62		0.53	0.53
1980-89	0.44	0.70		0.53	0.27	0.52	0.40	0.43	0.70	0.25	0.44	0.50
1990-99	0.35	0.54	0.48	0.65	0.41	0.58	0.39	0.43	0.72	0.43	0.44	0.55
2000-04	0.36	0.42	0.27	0.60	0.35	0.50	0.40	0.33	0.73	0.81	0.46	0.49
Start-2007	0.38	0.51	0.39	0.60	0.37	0.54	0.39	0.39	0.73	0.57	0.43	0.51

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Revision: RVR

7/14/2006

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SALES OF MIGRATORY GAME BIRD HUNTING PERMITS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL	
1966	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394				380,059	
1967	14,863	3,094	7,883	7,739	32,491	146,493	32,620	44,651	55,892	33,195				381,921	
1968	17,645	3,649	9,022	9,558	37,110	139,182	38,712	43,596	53,623	33,301				385,398	
1969	19,089	3,794	8,848	10,110	39,477	134,037	41,611	45,347	53,602	32,764				388,679	
1970	21,347	3,926	9,926	10,293	46,009	135,231	39,230	47,722	59,986	31,350				405,020	
1971	23,460	4,513	11,381	11,146	50,276	133,563	40,960	49,448	62,902	30,225				417,874	
1972	23,682	4,492	12,158	11,336	53,082	131,427	41,133	50,004	63,309	31,032				421,655	
1973	27,919	4,972	15,071	12,869	57,247	141,277	41,711	51,307	67,012	33,456				452,841	
1974	25,127	5,038	13,791	11,916	58,345	136,469	37,167	51,504	66,127	27,764	591	323		434,162	
1975	30,115	4,963	13,990	12,930	63,768	148,670	42,846	57,723	69,191	25,918	721	485		471,320	
1976	29,621	5,756	13,326	13,743	66,453	143,816	46,816	61,669	75,739	26,561	893	513		484,906	
1977	36,188	6,158	15,744	14,209	72,828	156,895	46,438	60,029	82,175	28,357	902	607		520,530	
1978	37,297	6,396	16,297	15,249	74,745	159,698	50,169	57,958	77,117	28,561	821	638		524,946	
1979	35,490	5,888	14,098	13,409	73,209	150,224	49,344	56,174	77,021	28,263	755	584		504,459	
1980	31,362	5,802	14,257	12,471	76,133	147,952	48,340	54,081	79,318	27,943	732	525		498,916	
1981	31,406	5,611	14,130	12,287	75,178	141,677	46,528	42,856	66,163	28,243	764	514		465,357	
1982	31,215	5,461	13,728	12,759	72,850	144,436	45,273	47,236	64,968	26,522	800	572		465,820	
1983	30,977	5,898	13,468	12,758	67,700	139,569	40,443	45,383	61,742	24,170	750	474		443,332	
1984	31,309	5,525	12,896	11,486	65,308	140,521	35,238	37,720	51,717	21,892	850	496		414,958	
1985	25,652	5,171	10,749	10,354	60,823	130,089	31,753	36,445	44,880	18,753	713	361		375,743	
1986	25,498	5,300	11,047	11,083	59,685	131,930	33,570	37,692	45,042	17,924	692	358		379,821	
1987	21,080	4,959	10,299	9,897	55,124	122,472	30,207	29,930	40,122	16,259	523	391		341,263	
1988	23,655	4,906	10,264	10,646	57,206	117,310	25,108	23,258	34,513	15,595	496	367		323,324	
1989	24,707	4,838	10,092	9,971	54,605	114,292	23,898	22,916	34,559	14,694	420	308		315,300	
1990	24,831	4,625	10,115	9,974	54,700	115,130	22,641	22,964	32,212	13,851	431	240		311,714	
1991	20,738	4,209	10,104	9,997	53,739	108,802	22,122	22,414	29,399	13,601	352	300		295,777	
1992	20,310	3,753	9,192	9,337	49,262	103,395	20,048	20,620	28,056	12,429	348	256		277,006	
1993	20,585	3,609	8,988	9,008	47,675	95,824	19,199	19,771	26,787	11,818	327	287		263,878	
1994	20,399	3,380	9,314	9,468	46,537	92,344	18,838	20,254	26,211	11,037	320	294		258,396	
1995	20,231	3,479	9,176	8,674	38,955	83,720	19,630	20,554	25,747	9,855	342	318		240,681	
1996	16,312	3,303	8,652	8,536	36,004	80,194	19,702	20,475	27,299	10,069	318	306		231,170	
1997	14,289	3,051	7,731	7,546	31,435	72,521	18,918	20,109	26,847	10,185	278	268		213,178	
1998	13,101	2,946	7,681	7,095	30,113	70,407	18,445	21,822	22,238	9,816	286	231		204,181	
1999	13,111	2,671	7,410	6,821	30,124	67,077	17,433	21,685	21,415	9,314	292	231		197,584	
2000	12,217	2,805	7,072	6,399	30,271	63,672	15,810	21,908	21,792	9,007	267	224	0	191,444	
2001	16,998	2,416	6,645	5,975	29,138	58,458	15,038	18,387	19,527	8,185	223	251	20	181,261	
2002	16,056	2,341	6,316	5,942	28,702	56,645	14,832	16,958	17,814	7,464	244	217	24	173,555	
2003	15,626	2,316	5,926	6,065	29,376	56,911	15,124	18,155	18,372	6,509	243	159	12	174,794	
2004	14,810	1,724	5,727	5,705	28,872	55,523	14,244	18,273	18,768	6,402	192	180	19	170,439	
2005	13,569	1,512	5,485	5,556	28,095	53,151	13,834	18,558	19,322	6,181	192	204	23	165,682	
2006*	14,217	1,470	5,381	5,329	27,058	54,363	14,229	18,556	19,379	5,826	202	167	19	166,196	
2007*															
AVERAGES:															
66-70	17,243	3,971	9,794	10,277	43,218	135,503	40,128	46,528	57,528	31,910				399,243	
71-75	26,061	4,866	13,753	12,263	58,111	139,461	40,714	52,635	66,410	29,543	656	404		444,995	
76-80	33,992	6,000	14,744	13,816	72,674	151,717	48,221	57,982	78,274	27,937	821	573		506,751	
81-85	30,112	5,533	12,994	11,929	68,372	139,258	39,847	41,928	57,894	23,916	775	483		433,042	
86-90	23,954	4,926	10,363	10,314	56,264	120,227	27,085	27,352	37,290	15,665	512	333		334,284	
91-95	20,453	3,686	9,355	9,297	47,234	96,817	19,967	20,723	27,240	11,748	338	291		267,148	
96-00	13,806	2,955	7,709	7,279	31,589	70,774	18,062	21,200	23,918	9,678	288	252		207,511	
01-04	15,873	2,199	6,154	5,922	29,022	56,884	14,810	17,943	18,620	7,140	226	202	19	176,537	

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07/17/08

** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF ALL-DUCK HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*	44,300	19,400	54,800	59,600	333,300	794,000	295,700	292,700	459,100	362,600				2,715,500
1969*	62,700	25,300	50,100	62,900	465,700	928,100	467,300	557,700	778,200	270,100				3,668,100
1970*	66,500	28,900	59,200	61,000	464,900	872,300	518,100	930,500	904,700	283,900				4,190,000
1971*	53,300	30,500	71,100	56,600	454,500	739,000	332,200	690,200	848,000	228,600				3,504,000
1972	56,200	18,200	55,700	51,100	414,900	815,700	356,200	615,100	800,200	260,700				3,444,000
1973	111,500	18,000	117,400	51,900	493,100	752,700	251,900	471,900	831,600	255,400				3,355,400
1974	103,800	31,400	105,500	58,700	569,500	811,500	249,600	699,700	1,014,300	210,900				3,854,900
1975	101,700	28,400	118,000	59,100	467,900	938,300	299,200	807,300	850,700	236,200	9,500	5,000		3,921,300
1976	98,400	37,400	117,900	68,600	602,900	976,400	352,300	807,800	886,600	231,200	29,200	3,900		4,212,600
1977	132,900	30,200	134,500	53,800	631,200	913,300	259,400	508,800	781,100	259,600	20,800	3,100		3,728,700
1978	142,700	30,000	109,500	65,800	529,100	943,200	361,200	527,300	581,700	210,500	18,100	3,000		3,522,100
1979	122,200	20,900	88,400	49,100	460,400	845,400	383,400	582,700	679,300	204,400	9,400	3,000		3,448,600
1980	106,000	31,900	124,700	59,900	500,200	912,100	335,100	443,600	688,800	186,300	11,500	3,000		3,403,100
1981	114,400	26,200	113,600	59,000	507,900	850,100	293,900	273,300	525,600	188,300	5,000	1,500		2,958,800
1982	111,500	39,600	87,700	60,600	512,500	862,000	280,900	324,100	458,200	163,100	3,100	1,100		2,904,400
1983	119,500	36,100	117,300	72,900	454,000	888,400	284,400	381,700	515,700	193,500	13,000	3,000		3,079,500
1984	115,500	35,000	95,600	68,900	439,800	832,800	215,300	258,300	438,500	173,700	11,500	3,200		2,688,100
1985	110,300	31,100	92,300	69,600	494,900	871,500	174,500	210,900	282,800	145,400	15,500	3,000		2,501,800
1986	124,300	29,600	99,800	71,000	434,100	821,800	207,800	226,500	273,600	124,300	5,400	2,900		2,421,100
1987	59,200	28,700	86,100	59,900	468,900	772,400	213,200	207,200	305,300	133,000	4,400	1,500		2,339,800
1988	83,800	34,300	84,800	63,600	446,900	661,300	126,000	104,800	183,100	115,500	5,100	1,300		1,910,500
1989	92,700	21,600	120,700	64,400	433,800	682,800	121,000	104,100	254,800	102,900	1,200	800		2,000,800
1990	91,500	20,100	104,000	70,500	456,300	684,500	111,800	115,700	231,900	96,200	2,100	500		1,985,100
1991	55,800	28,500	76,700	47,600	357,400	618,000	106,700	102,800	164,600	79,800	800	1,100		1,639,800
1992	63,490	14,995	90,203	52,749	345,468	539,960	119,146	90,093	129,381	80,352	1,237	864		1,527,938
1993	63,384	21,069	90,346	49,239	385,095	564,701	91,892	76,017	119,744	69,688	1,746	1,319		1,534,240
1994	78,453	17,530	87,322	51,273	342,454	502,989	113,788	128,611	163,664	76,716	1,999	882		1,565,681
1995	67,360	27,892	93,199	74,272	298,999	512,934	135,147	149,321	152,792	62,222	2,156	1,392		1,577,686
1996	56,532	19,257	79,992	56,202	255,647	460,414	168,503	190,133	183,079	72,241	1,988	597		1,544,585
1997	57,709	21,371	74,203	50,635	261,923	461,372	183,468	204,211	229,746	81,180	1,667	392		1,627,877
1998	61,367	15,361	82,094	59,803	256,382	425,275	175,742	205,545	170,071	87,429	1,985	1,102		1,542,156
1999	51,464	19,923	86,556	56,641	270,264	385,577	162,355	233,178	157,613	70,934	1,431	308		1,496,244
2000	63,617	13,540	69,188	52,476	244,486	367,333	148,147	242,275	160,684	73,409	1,055	460	114	1,436,784
2001	50,206	17,815	58,477	41,656	215,780	364,497	168,274	153,503	135,353	55,594	1,021	409	0	1,262,585
2002	50,457	15,651	62,118	43,051	189,473	351,891	155,537	173,087	125,532	58,736	3,344	1,131	0	1,230,008
2003	41,648	14,637	55,788	44,613	177,880	313,728	128,550	185,457	124,369	51,992	1,815	548	710	1,141,735
2004	44,272	9,944	47,771	32,306	171,618	289,678	146,093	195,058	136,064	43,430	1,927	184	0	1,118,345
2005	42,897	12,410	44,881	34,810	182,650	273,663	161,893	225,848	152,716	52,576	2,063	2,293	0	1,188,700
2006**	48,138	12,680	44,651	37,114	186,036	303,982	173,737	243,088	153,467	41,048	524	167	0	1,244,632
2007**														
AVERAGES:														
68-71	56,700	26,025	58,800	60,025	429,600	833,350	403,325	617,775	747,500	286,300				3,519,400
72-75	93,300	24,000	99,150	55,200	486,350	829,550	289,225	648,500	874,200	240,800	9,500	5,000		3,643,900
76-80	120,440	30,080	115,000	59,440	544,760	918,080	338,280	574,040	723,500	218,400	17,800	3,200		3,663,020
81-85	114,240	33,600	101,300	66,200	481,820	860,960	249,800	289,660	444,160	172,800	9,620	2,360		2,826,520
86-90	90,300	26,860	99,080	65,880	448,000	724,560	155,960	151,660	249,740	114,380	3,640	1,400		2,131,460
91-95	65,697	21,997	87,554	55,027	345,883	547,717	113,335	109,368	146,036	73,756	1,588	1,111		1,569,069
96-00	58,138	17,890	78,407	55,151	257,740	419,994	167,643	215,068	180,239	77,039	1,625	572	114	1,529,529
01-05	45,896	14,091	53,807	39,287	187,480	318,691	152,069	186,591	134,807	52,466	2,034	913	142	1,188,275

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

**PRELIMINARY

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Revision: JDK

07/17/08

ESTIMATES OF MALLARD HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*					41,800	231,700	148,600	191,500	275,000	138,300				1,026,900
1969*	100	200	900	500	38,400	228,900	281,300	386,300	541,800	131,900				1,610,300
1970*			700	1,000	42,200	213,900	310,300	687,200	634,300	133,800				2,023,400
1971*		400	700	800	42,400	223,800	198,000	531,700	568,000	113,700				1,679,500
1972	400	100	800	800	61,500	254,200	214,500	477,800	557,600	114,800				1,682,500
1973	100	400	1,200	1,200	72,300	255,400	137,500	349,100	546,900	106,000				1,470,100
1974	300	200	500	1,300	74,100	257,200	145,000	499,600	714,100	108,600				1,800,900
1975	700	400	900	700	58,200	296,200	154,300	572,100	531,500	122,700	4,700	1,300		1,743,700
1976	700	300	1,500	800	73,700	318,200	205,100	608,700	612,300	116,200	13,800	1,000		1,952,300
1977	1,100	200	2,300	700	83,600	264,900	163,100	392,400	515,600	129,300	10,700	800		1,564,700
1978	800	300	1,200	1,500	62,400	322,400	239,600	396,700	379,600	116,800	6,700	1,300		1,529,300
1979	500	500	800	1,600	68,300	265,600	245,100	422,700	486,500	116,500	2,700	1,900		1,612,700
1980	0	1,000	3,200	1,400	81,300	290,500	210,000	354,600	482,400	103,400	5,000	1,400		1,534,200
1981	2,400	1,400	2,400	2,500	92,800	281,400	174,600	230,200	388,200	115,000	2,400	900		1,294,200
1982	500	400	1,400	1,800	94,800	333,700	150,300	241,100	295,000	91,500	3,100	0		1,213,600
1983	1,100	1,000	4,100	2,500	87,100	297,800	159,800	285,800	363,700	121,600	4,000	900		1,329,400
1984	800	700	2,100	1,600	66,800	283,600	118,100	181,700	304,800	89,900	7,500	1,700		1,059,300
1985	400	1,300	3,200	3,300	97,200	290,500	84,500	158,400	180,900	81,800	5,800	1,200		908,500
1986	2,500	700	3,200	2,500	84,400	265,400	113,500	151,100	182,000	72,200	800	900		879,200
1987	1,100	1,100	4,200	3,200	116,800	319,100	137,000	163,600	215,300	78,300	500	300		1,040,500
1988	0	1,000	2,400	1,600	82,300	233,700	59,800	73,500	138,000	64,000	4,700	400		661,400
1989	1,300	1,000	4,300	2,200	74,100	261,800	68,000	75,700	187,000	56,500	1,600	800		734,300
1990	1,000	900	3,500	3,200	86,500	262,700	56,700	78,800	173,900	60,100	2,000	400		729,700
1991	1,000	1,100	3,800	4,700	77,700	218,300	60,200	70,300	121,000	51,700	100	700		610,600
1992	967	198	6,343	5,260	89,551	196,776	66,189	66,902	95,405	51,840	668	244		580,343
1993	1,063	1,071	5,110	3,585	97,625	197,754	41,191	49,752	80,268	43,430	1,158	547		522,554
1994	830	828	3,172	2,755	103,446	192,356	56,301	87,448	108,951	49,233	1,999	201		607,520
1995	532	751	4,822	5,131	83,307	176,680	74,206	104,296	111,048	40,782	1,509	278		603,342
1996	351	1,024	4,286	4,044	82,201	176,869	91,266	121,608	115,668	42,447	1,326	0		641,090
1997	1,461	417	8,047	5,371	77,594	178,169	107,379	133,017	151,167	55,513	437	126		718,698
1998	1,628	1,011	5,440	7,512	76,320	164,431	104,470	129,461	119,826	52,663	881	276		663,919
1999	1,188	667	6,305	4,866	69,568	131,901	82,639	182,714	105,126	48,002	0	220		633,196
2000	1,511	1,915	5,481	5,999	81,655	162,352	67,467	197,400	110,163	51,925	512	72	0	686,452
2001	601	1,192	5,721	7,047	79,896	166,629	92,115	107,413	94,699	35,575	643	229	0	591,760
2002	300	2,176	6,498	6,002	66,533	147,847	77,992	118,857	80,707	37,371	1,702	609	0	546,594
2003	696	804	4,711	6,511	58,873	138,099	66,403	126,397	73,088	35,384	410	110	0	511,486
2004	1,985	1,100	5,245	5,228	65,284	132,188	75,970	129,630	78,270	28,516	275	37	0	523,728
2005	754	1,681	4,544	4,732	72,231	115,284	87,315	144,393	78,798	33,586	688	0	0	544,006
2006**	753	1,122	5,490	6,389	72,245	124,751	111,026	174,174	88,533	28,928	215	0	0	613,626
2007**														
AVERAGES:														
68-71	100	300	767	767	41,200	224,575	234,550	449,175	504,775	129,425				1,585,025
72-75	375	275	850	1,000	66,525	265,750	162,825	474,650	587,525	113,025	4,700	1,300		1,674,300
76-80	620	460	1,800	1,200	73,860	292,320	212,580	435,020	495,280	116,440	7,780	1,280		1,638,640
81-85	1,040	960	2,640	2,340	87,740	297,400	137,460	219,440	306,520	99,960	4,560	940		1,161,000
86-90	1,180	940	3,520	2,540	88,820	268,540	87,000	108,540	179,240	66,220	1,920	560		809,020
91-95	878	790	4,649	4,286	90,326	196,373	59,617	75,740	103,334	47,397	1,087	394		584,872
96-00	1,228	1,007	5,912	5,558	77,468	162,744	90,644	152,840	120,390	50,110	631	139	0	668,671
01-05	867	1,391	5,344	5,904	68,563	140,009	79,959	125,338	81,112	34,086	744	197	0	543,515

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

** Represents the new (2000) province/territory of Nunavut.

**PRELIMINARY

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ESTIMATES OF BLACK DUCK HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*	14,800	4,600	24,000	23,900	87,800	118,900					0	0		274,000
1969*	24,500	9,300	30,400	25,400	85,500	106,700	1,400				0	0		283,200
1970*	23,000	8,800	30,200	22,900	104,600	116,500	1,000				0	0		307,000
1971*	17,800	16,400	43,000	22,400	113,000	97,600	700				0	0		310,900
1972	22,900	9,700	35,700	17,800	103,200	100,800	300				0	0		290,400
1973	21,400	6,900	50,800	22,400	120,700	95,000	400	400			0	0		318,000
1974	29,700	16,600	44,400	22,500	110,100	83,800	700				0	0		307,800
1975	32,900	14,200	57,300	22,900	91,400	83,900	200	100			0	0		302,900
1976	23,200	22,100	57,300	26,200	118,400	95,800	200	700			0	0		343,900
1977	41,100	17,700	67,900	19,600	131,500	81,500	800	500			0	0		360,600
1978	46,200	20,000	64,700	26,300	130,800	90,200	400			100	0	0		378,700
1979	41,700	12,700	43,900	17,400	113,100	86,800	300	400	300	300	0	0		316,900
1980	31,300	21,500	68,700	28,300	120,400	92,700	2,100	300			0	0		365,300
1981	41,200	16,000	57,900	26,900	105,500	77,600	400	200			0	0		325,700
1982	28,400	25,300	47,200	31,200	117,800	96,700	200	500			0	0		337,300
1983	29,700	24,100	57,000	31,000	101,900	61,100	300				0	0		305,100
1984	26,800	23,200	51,600	33,400	107,600	64,400	400		500		0	0		307,900
1985	28,900	18,700	44,000	32,800	110,500	64,700	500	200		0	0	0		300,300
1986	26,600	18,700	46,000	27,700	114,700	59,600	400	300	0	0	0	0		294,000
1987	16,800	17,600	43,600	26,700	129,900	62,400	0	0	0	0	0	0		297,000
1988	19,900	20,900	44,700	31,100	126,100	59,800	0	100	100	0	0	0		302,700
1989	28,600	11,800	47,000	25,800	101,500	47,900	200	0	0	0	0	0		262,800
1990	23,600	11,600	37,800	26,700	105,800	38,800	100	700	300	100	0	0		245,500
1991	16,600	14,900	39,600	20,200	91,800	50,700	1,200	300	1,400	300	0	0		237,000
1992	14,364	8,053	38,715	23,287	83,069	38,328	136	237	76	0	0	0		206,265
1993	13,483	9,785	35,679	18,772	85,531	33,226	1,275	0	0	0	0	0		197,751
1994	16,908	9,811	31,034	22,256	64,913	24,099	243	163	0	0	0	34		169,461
1995	15,461	13,355	40,546	29,332	54,776	33,470	0	204	0	17	0	0		187,161
1996	19,447	9,469	39,759	20,418	49,219	25,289	0	0	0	0	0	0		163,601
1997	18,816	12,982	32,666	17,966	56,103	26,309	265	147	215	0	0	0		165,469
1998	22,410	6,789	33,852	22,802	49,065	23,091	165	0	81	124	0	0		158,379
1999	19,058	10,782	44,658	22,445	51,385	26,579	36	0	0	0	0	0		174,943
2000	21,605	6,980	43,922	18,083	43,476	19,995	222	653	0	0	0	0	0	154,936
2001	16,802	9,465	26,730	12,879	38,719	19,187	293	0	0	0	0	0	0	124,075
2002	18,022	6,214	28,310	14,449	36,348	19,133	0	77	89	0	0	0	0	122,642
2003	10,175	7,229	26,010	15,219	35,078	15,178	0	334	0	0	0	0	0	109,223
2004	12,888	4,828	16,971	9,776	30,590	16,711	0	0	0	0	0	0	0	91,764
2005	9,333	4,560	16,717	9,031	34,472	15,276	191	0	0	0	0	0	0	89,580
2006**	16,529	5,168	20,630	11,159	33,900	16,644	0	0	0	0	0	0	0	104,030
2007**														
AVERAGES:														
68-71	20,025	9,775	31,900	23,650	97,725	109,925	1,033							293,775
72-75	26,725	11,850	47,050	21,400	106,350	90,875	400	250						304,775
76-80	36,700	18,800	60,500	23,560	122,840	89,400	760	475	300	200				353,080
81-85	31,000	21,460	51,540	31,060	108,660	70,900	360	300						315,260
86-90	23,100	16,120	43,820	27,600	115,600	53,700	140	220	80	20				280,400
91-95	15,363	11,181	37,115	22,769	76,018	35,965	571	181	295	63	0	7		199,528
96-00	20,267	9,400	38,971	20,343	49,850	24,253	138	160	59	25	0	0	0	163,466
01-05	13,444	6,459	22,948	12,271	35,041	17,097	97	82	18	0	0	0	0	107,457

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

** PRELIMINARY

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ESTIMATES OF PINTAIL HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*					21,300		25,800	16,300	51,200	55,500				170,100
1969*	2,200	800	500	1,000	20,500	10,900	21,100	33,800	48,700	23,700				163,200
1970*	900	1,300	1,400	1,900	26,600	14,900	30,700	66,400	78,100	36,500				258,700
1971*	1,000	700	600	1,500	25,800	10,400	20,300	46,000	71,600	28,400				206,300
1972	1,000	400	400	400	16,900	9,700	16,700	29,100	68,900	48,700				192,200
1973	2,600	500	1,100	1,000	19,400	10,500	18,300	31,000	94,700	48,900				228,000
1974	1,100	1,100	1,300	1,300	21,000	10,800	10,700	51,900	98,700	25,700				223,600
1975	900	400	500	800	22,000	9,700	20,400	56,300	82,500	23,200	200	700		217,600
1976	1,300	700	1,000	1,700	29,000	17,300	17,600	34,300	60,800	35,200	2,600	300		201,800
1977	2,400	1,800	1,200	1,000	40,600	14,500	11,600	19,900	71,300	30,400	600	400		195,700
1978	900	800	700	1,400	20,600	13,200	20,700	13,700	38,100	23,000	2,200	200		135,500
1979	1,800	600	500	1,100	15,300	9,100	20,300	29,600	48,300	17,900	1,700	200		146,400
1980	900	500	700	1,300	17,100	13,300	12,700	17,900	43,900	20,900	0	100		129,300
1981	1,100	800	1,000	1,200	17,500	11,600	15,100	2,300	41,000	19,200	100	400		111,300
1982	0	1,600	1,100	1,500	20,300	10,200	14,300	12,700	28,700	14,000	0	0		104,400
1983	2,300	600	700	300	16,300	10,600	11,800	16,800	27,800	13,200	3,700	300		104,400
1984	1,700	1,100	700	900	9,500	35,500	13,200	13,000	32,500	18,700	500	500		127,800
1985	1,600	1,000	1,400	1,800	16,500	15,300	10,900	7,700	23,700	11,500	0	900		92,300
1986	700	600	800	1,700	13,000	9,300	6,700	9,000	9,000	8,800	0	800		60,400
1987	1,100	1,800	600	1,100	11,900	6,300	5,400	8,800	21,200	11,600	0	700		70,500
1988	2,200	1,300	500	800	12,600	8,000	14,000	6,000	15,300	11,000	0	0		71,700
1989	1,500	700	300	1,400	15,600	11,500	8,000	4,900	12,000	8,300	200	0		64,400
1990	4,400	500	700	1,700	19,800	8,300	5,600	10,200	13,600	7,700	600	100		73,200
1991	400	600	900	800	7,600	4,300	4,500	4,600	5,700	4,000	100	100		33,600
1992	0	904	84	473	6,327	4,857	5,214	2,076	6,930	6,521	169	67		33,622
1993	1,133	1,228	911	682	11,113	4,946	5,103	3,263	3,907	4,447	65	0		36,798
1994	946	707	1,093	1,084	10,887	4,526	4,769	7,229	7,252	4,727	0	63		43,283
1995	1,727	454	965	1,240	7,831	4,552	8,974	6,521	7,573	4,476	0	0		44,313
1996	1,246	478	897	1,234	5,043	4,011	10,323	14,477	9,621	5,367	0	0		52,697
1997	785	139	116	493	7,423	5,560	13,248	13,656	13,883	5,422	37	0		60,762
1998	1,026	0	653	757	7,735	6,361	14,347	11,099	11,119	6,462	19	276		59,854
1999	390	1,137	755	1,790	8,956	6,457	9,830	10,610	10,304	5,464	0	0		55,693
2000	470	509	499	581	6,480	5,397	2,633	13,468	9,448	2,240	38	0	0	41,763
2001	137	0	401	611	4,911	3,709	9,207	7,051	8,732	4,807	19	60	0	39,645
2002	1,153	78	543	702	5,527	9,910	13,879	13,055	7,640	4,551	0	0	0	57,038
2003	572	598	228	1,270	6,795	10,422	8,999	8,688	8,205	1,948	234	0	0	47,959
2004	30	317	129	702	6,394	5,208	12,624	23,803	8,380	2,363	0	0	0	59,950
2005	256	313	308	536	4,677	3,178	6,653	13,450	10,769	3,675	0	0	0	43,815
2006**	176	939	90	382	5,067	4,861	8,579	11,853	12,527	2,004	39	0	0	46,517
2007**														
AVERAGES:														
68-71	1,367	933	833	1,467	23,550	12,067	24,475	40,625	62,400	36,025				199,575
72-75	1,400	600	825	875	19,825	10,175	16,525	42,075	86,200	36,625	200	700		215,350
76-80	1,460	880	820	1,300	24,520	13,480	16,580	23,080	52,480	25,480	1,420	240		161,740
81-85	1,340	1,020	980	1,140	16,020	16,640	13,060	10,500	30,740	15,320	860	420		108,040
86-90	1,980	980	580	1,340	14,580	8,680	7,940	7,780	14,220	9,480	160	320		68,040
91-95	841	779	791	856	8,752	4,636	5,712	4,738	6,272	4,834	67	46		38,323
96-00	783	453	584	971	7,127	5,557	10,076	12,662	10,875	4,991	19	55	0	54,154
01-05	430	261	322	764	5,661	6,485	10,272	13,209	8,745	3,469	51	12	0	49,681

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

** Represents the new (2000) province/territory of Nunavut.

**PRELIMINARY

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Revision: JDK 07/17/08

ESTIMATES OF CANADA GOOSE HARVESTS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	8,185	6,382	8,836	2,182	12,791	33,441	94,330	96,197	85,708	8,913	0	142		357,107
1976	8,443	17,961	11,024	6,699	25,242	37,595	65,152	70,643	67,964	6,848	36	165		317,772
1977	12,578	18,788	8,563	2,451	52,300	57,626	44,236	66,429	59,302	8,758	218	127		331,376
1978	12,743	11,972	6,571	3,412	66,437	53,019	83,032	70,426	78,647	10,800	0	338		397,397
1979	13,401	10,827	5,261	2,614	50,012	64,249	94,496	79,544	79,636	12,931	0	289		413,260
1980	10,938	19,137	8,230	2,594	52,076	73,794	73,810	96,446	100,045	16,656	435	525		454,686
1981	10,202	14,264	7,384	3,744	25,291	49,902	57,927	84,914	95,051	15,843	0	233		364,755
1982	11,186	13,296	5,409	2,584	29,680	69,828	73,828	87,249	97,569	14,479	0	0		405,108
1983	13,652	15,768	9,534	7,370	37,429	69,648	71,671	127,184	108,097	14,877	0	397		475,627
1984	14,086	13,963	6,465	3,019	22,906	63,187	88,745	95,993	87,065	15,841	0	267		411,537
1985	9,669	17,226	6,829	4,071	28,132	76,234	103,441	88,407	103,077	18,510	0	96		455,692
1986	16,770	21,912	8,794	5,660	39,193	83,746	91,603	80,714	88,943	14,853	0	190		452,378
1987	12,509	21,387	10,942	3,015	80,270	87,481	78,007	106,528	124,796	14,830	550	165		540,480
1988	9,379	24,906	9,676	3,377	20,454	76,537	56,025	80,044	99,376	15,266	0	174		395,214
1989	8,845	23,143	15,666	6,629	55,852	101,591	77,752	84,582	121,589	16,418	367	0		512,434
1990	6,379	25,177	6,570	7,285	54,740	97,556	73,645	92,272	125,398	14,835	96	0		503,953
1991	5,885	21,459	9,845	5,229	51,940	83,736	72,591	91,033	111,919	18,211	275	510		472,633
1992	6,427	11,565	4,160	5,368	28,089	79,357	58,043	78,542	90,594	16,130	0	164		378,439
1993	9,266	17,809	12,390	6,520	39,741	80,768	71,407	77,787	90,177	12,943	0	90		418,898
1994	6,645	25,846	6,660	5,555	15,206	83,787	59,405	81,175	103,266	13,116	22	138		400,821
1995	9,527	16,968	8,306	5,467	9,560	88,135	49,639	82,155	114,818	11,297	0	128		396,000
1996	7,503	22,451	8,758	4,470	10,822	87,775	93,438	111,467	137,440	15,477	417	82		500,100
1997	5,165	16,769	7,542	6,105	11,748	89,680	107,304	104,934	125,629	14,602	0	0		489,478
1998	9,746	23,781	10,802	6,225	16,882	109,731	94,033	136,736	104,831	18,586	0	0		531,353
1999	5,464	32,944	12,633	6,079	38,702	100,751	68,822	146,112	137,527	16,093	25	90		565,242
2000	8,223	25,932	13,507	8,418	38,941	125,308	206,378	167,929	132,609	16,544	0	0	0	743,789
2001	5,553	25,136	10,554	5,615	67,763	148,705	102,034	146,829	111,751	13,076	0	0	0	637,016
2002	6,744	22,126	10,831	4,962	87,177	160,474	108,306	125,588	108,758	15,098	0	239	0	650,303
2003	5,004	20,983	4,915	11,245	112,807	160,197	90,183	135,123	116,844	14,353	0	0	0	671,654
2004	4,481	15,028	5,996	6,100	75,316	148,893	92,512	135,759	134,551	8,165	0	0	0	626,801
2005	5,516	16,109	5,240	6,866	103,490	155,736	118,545	139,825	149,148	904	0	0	0	701,379
2006*	4,364	11,245	4,769	6,940	79,569	174,538	105,039	157,414	124,785	9,348	0	0	0	678,011
2007*														
AVERAGES:														
76-80	11,621	15,737	7,930	3,554	49,213	57,257	72,145	76,698	77,119	11,199	138	289		382,898
81-85	11,759	14,903	7,124	4,158	28,688	65,760	79,122	96,749	98,172	15,910	0	199		422,544
86-90	10,776	23,305	10,330	5,193	50,102	89,382	75,406	88,828	112,020	15,240	203	106		480,892
91-95	7,550	18,729	8,272	5,628	28,907	83,157	62,217	82,138	102,155	14,339	59	206		413,358
96-2000	7,220	24,375	10,648	6,259	23,419	102,649	113,995	133,436	127,607	16,260	88	34	0	565,992
2001-04	5,446	20,818	8,074	6,981	85,766	154,567	98,259	135,825	117,976	12,673	0	60	0	646,444

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ESTIMATES OF BRANT (ATL.) HARVESTS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	0	0	545	0	0	0	0	0	0	0	545
1976	0	0	0	0	0	118	0	0	0	0	0	0	0	118
1977	0	0	0	3	0	0	0	0	0	0	0	0	0	3
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	423	90	0	0	0	0	0	0	0	513
1980	0	0	0	0	3,060	405	0	0	0	0	0	0	0	3,465
1981	0	0	0	0	0	615	0	0	0	0	0	0	0	615
1982	0	0	0	0	351	0	0	0	0	0	0	0	0	351
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	778	0	0	0	550	639	0	637	0	31	0	0	0	2,635
1985	0	0	0	0	276	357	0	0	0	0	0	0	0	633
1986	97	0	0	0	596	646	0	0	0	0	0	0	0	1,339
1987	0	0	0	0	1,463	0	0	0	0	0	0	0	0	1,463
1988	0	0	0	0	0	283	0	0	0	0	0	0	0	283
1989	0	100	0	0	0	0	0	0	0	0	0	0	0	100
1990	0	0	0	0	0	307	0	0	0	0	0	0	0	307
1991	0	0	0	0	323	539	0	0	0	0	0	0	0	862
1992	0	0	0	0	1,566	0	0	0	0	0	0	0	0	1,566
1993	0	0	0	0	876	162	0	0	0	0	0	0	0	1,038
1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	195	0	0	0	0	0	0	0	0	195
1997	0	0	0	0	258	227	0	0	0	0	0	0	0	485
1998	0	0	0	0	183	430	0	0	0	0	0	0	0	613
1999	0	0	0	0	200	0	0	0	0	0	0	0	0	200
2000	0	0	0	0	114	487	0	0	0	0	0	0	0	601
2001	0	0	0	0	618	186	0	0	0	0	0	0	0	804
2002	0	0	0	0	404	231	0	0	0	0	0	0	0	635
2003	0	0	0	0	387	185	0	0	0	0	0	0	0	572
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	92	94	0	0	0	0	0	0	0	186
2006*	0	0	0	0	128	0	0	0	0	0	0	0	0	128
2007*														
AVERAGES:														
76-80	0	0	0	1	697	123	0	0	0	0	0	0	0	820
81-85	156	0	0	0	235	322	0	127	0	6	0	0	0	847
86-90	19	20	0	0	412	247	0	0	0	0	0	0	0	698
91-95	0	0	0	0	553	140	0	0	0	0	0	0	0	693
96-2000	0	0	0	0	190	229	0	0	0	0	0	0	0	419
2001-04	0	0	0	0	352	151	0	0	0	0	0	0	0	503

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ESTIMATES OF LESSER SNOW GOOSE HARVESTS IN CANADA

YEAR	NFL	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	5,578	15,742	51,708	12,692	16,339	2,972	324	0		105,355
1976	0	0	0	192	11,519	31,449	20,721	30,741	1,102	177	0		95,901
1977	0	0	0	19,653	8,000	31,850	12,151	30,731	576	0	0		102,961
1978	0	30	0	542	6,201	39,770	11,619	16,819	401	0	0		75,382
1979	0	0	0	5,379	10,576	99,151	12,981	10,752	1,917	552	0		141,308
1980	0	50	0	12,762	8,710	91,968	16,172	9,498	1,725	0	0		140,885
1981	0	0	0	408	6,576	88,124	15,339	13,780	3,378	0	0		127,605
1982	0	0	0	1,712	2,666	82,094	22,845	6,010	2,666	0	0		117,993
1983	0	0	0	45,351	1,820	82,602	33,377	6,802	0	0	0		169,952
1984	0	0	0	2,503	1,205	76,472	31,919	8,265	2,700	0	0		123,064
1985	0	49	0	497	1,913	105,719	33,311	11,362	3,972	0	0		156,823
1986	0	0	0	0	2,335	49,587	32,129	9,679	0	0	0		93,730
1987	0	0	0	19,137	6,169	70,849	22,976	3,980	2,329	0	0		125,440
1988	0	0	0	3,864	2,231	71,733	24,321	9,583	1,556	0	0		113,288
1989	0	0	0	1,169	5,654	92,720	27,321	11,274	926	0	0		139,064
1990	0	0	448	2,293	2,742	54,027	32,541	10,504	137	339	407		103,438
1991	0	0	0	2,645	2,799	66,254	22,224	5,600	2,619	0	0		102,141
1992	0	0	58	592	590	26,778	21,240	9,123	467	0	0		58,848
1993	0	0	0	7,641	2,543	51,301	19,674	5,303	2,094	0	0		88,556
1994	0	0	0	5,855	657	56,221	30,258	6,987	2,174	105	0		102,257
1995	0	0	0	855	1,286	61,603	31,323	8,680	1,589	306	0		105,642
1996	0	0	0	3,486	1,028	46,163	34,546	4,185	2,863	0	0		92,271
1997	0	0	0	8,853	336	69,683	62,635	9,261	0	0	0		150,768
1998	0	0	16	16,732	954	52,121	68,985	14,890	1,797	0	0		155,495
1999	0	0	0	6,747	115	14,150	116,313	15,416	1,990	0	0		154,731
2000	0	0	0	5,686	1,350	31,699	68,377	12,881	2,559	0	128	45	122,725
2001	0	0	0	4,427	982	25,335	100,525	13,367	2,354	0	0	0	146,990
2002	0	0	0	2,699	697	24,252	85,933	9,612	2,536	0	0	0	125,729
2003	0	0	0	3,941	901	26,970	108,457	10,539	1,312	0	0	0	152,120
2004	0	0	0	82	642	23,158	76,709	3,654	1,188	0	0	0	105,433
2005	0	0	0	1,122	391	14,039	82,143	6,207	6,906	0	0	0	110,808
2006*	131	0	0	1,349	1,122	31,936	116,278	11,430	3,170	0	0	0	165,416
2007*													
AVERAGES:													
76-80	0	16	0	7,706	9,001	58,838	14,729	19,708	1,144	146	0		111,287
81-85	0	10	0	10,094	2,836	87,002	27,358	9,244	2,543	0	0		139,087
86-90	0	0	90	5,293	3,826	67,783	27,858	9,004	990	68	81		114,992
91-95	0	0	12	3,518	1,575	52,431	24,944	7,139	1,789	82	0		91,489
96-2000	0	0	3	8,301	757	42,763	70,171	11,327	1,842	0	26	45	135,198
2001-04	0	0	0	2,787	806	24,929	92,906	9,293	1,848	0	0	0	132,568

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF GREATER SNOW GOOSE HARVESTS IN CANADA

YEAR	NFL	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	30,708	0	154	0	0	0	0	0	0	30,862
1976	0	0	0	27,854	108	0	0	0	0	0	0	0	27,962
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	41,748	1,263	0	276	295	0	0	0	0	43,582
1979	0	0	0	23,619	0	0	0	0	0	0	0	0	23,619
1980	0	0	0	55,847	151	0	0	0	0	0	0	0	55,998
1981	0	25	0	24,170	110	0	0	0	0	0	0	0	24,305
1982	0	47	0	40,462	655	148	352	0	0	0	0	0	41,664
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	166	0	0	44,983	589	3,111	784	0	0	0	0	0	49,633
1985	0	0	0	24,370	0	0	0	0	0	0	0	0	24,370
1986	0	0	72	10,536	0	0	0	0	0	0	0	0	10,608
1987	0	0	0	756	0	0	0	0	0	0	0	0	756
1988	0	0	0	41,365	0	0	93	0	0	0	0	0	41,458
1989	0	0	0	43,529	249	0	0	0	0	0	0	0	43,778
1990	287	0	0	60,647	0	0	0	204	0	0	0	0	61,138
1991	0	0	0	47,697	0	724	0	0	0	0	0	0	48,421
1992	0	0	295	26,984	926	759	215	0	0	0	0	0	29,179
1993	0	0	0	97,534	429	1,938	2,282	0	0	0	0	0	102,183
1994	0	0	0	35,903	112	0	0	0	0	0	0	0	36,015
1995	0	21	0	50,267	252	391	0	0	0	0	0	0	50,931
1996	60	62	1,859	66,111	111	115	0	0	0	0	0	0	68,318
1997	0	0	0	55,056	164	0	0	0	0	0	0	0	55,220
1998	0	90	412	86,791	64	0	0	118	0	0	0	0	87,475
1999	0	0	774	36,821	105	0	0	86	0	0	0	0	37,786
2000	0	0	0	103,615	0	0	554	334	0	0	0	0	104,503
2001	0	0	0	94,011	0	0	0	68	0	0	0	0	94,079
2002	0	0	225	45,890	0	0	531	220	0	0	0	0	46,866
2003	0	0	0	86,028	111	0	213	0	73	0	0	0	86,425
2004	0	0	433	66,326	1,394	0	1,610	83	0	0	0	0	69,846
2005	0	0	42	67,245	0	0	0	0	0	0	0	0	67,287
2006*	0	135	0	73,585	331	0	0	364	0	0	0	0	74,415
2007*													
AVERAGES:													
76-80	0	0	0	29,814	304	0	55	59	0	0	0	0	30,232
81-85	33	14	0	26,797	271	652	227	0	0	0	0	0	27,994
86-90	57	0	14	31,367	50	0	19	41	0	0	0	0	31,548
91-95	0	4	59	51,677	344	762	499	0	0	0	0	0	53,346
96-2000	12	30	609	69,679	89	23	111	108	0	0	0	0	70,660
2001-04	0	0	165	73,064	376	0	589	93	18	0	0	0	74,304

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** Represents the new (2000) province/territory of Nunavut.

HARVEST AGE RATIOS (IMM./AD.) FOR BLACK DUCKS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	CAN TOTAL*
1974	3.67	3.98	4.22	5.36	5.40	4.41	4.71
1975	9.75	3.40	4.23	7.86	6.43	10.88	6.20
1976	4.74	5.75	5.88	7.64	7.68	5.02	6.09
1977	8.75	4.08	4.61	8.44	11.71	6.83	6.58
1978	9.15	3.87	5.15	5.30	6.91	5.02	5.38
1979	6.62	4.80	6.28	5.81	8.72	6.06	6.59
1980	7.00	4.08	3.94	5.61	7.03	5.12	5.20
1981	5.67	3.91	5.86	9.33	4.13	3.70	5.01
1982	4.89	3.74	5.42	3.26	4.92	3.66	4.48
1983	4.52	4.27	5.27	6.11	7.49	4.52	5.59
1984	5.67	3.95	4.20	5.77	6.13	5.66	4.97
1985	6.11	3.71	4.47	6.59	7.14	6.44	5.86
1986	8.15	4.16	4.23	3.75	3.63	2.65	3.70
1987	2.85	4.68	3.55	5.11	5.86	4.05	4.52
1988	4.63	5.86	3.12	4.63	5.73	2.96	4.03
1989	5.92	3.50	3.24	4.51	4.92	2.46	3.96
1990	3.57	1.60	4.04	4.15	2.83	2.42	3.10
1991	3.74	2.55	3.91	3.28	4.51	4.64	4.07
1992	4.37	2.28	2.59	3.59	3.10	2.83	3.00
1993	5.47	2.88	3.27	4.29	5.32	3.05	4.17
1994	7.07	6.07	8.22	12.60	5.66	5.08	7.22
1995	4.75	6.06	5.40	6.33	4.96	4.66	5.33
1996	6.11	3.44	3.58	4.04	3.13	2.49	3.46
1997	7.15	4.20	4.78	5.12	5.00	6.61	5.38
1998	5.26	1.63	4.97	4.73	5.08	5.36	4.94
1999	3.36	1.54	2.91	2.41	2.90	4.06	3.00
2000	4.16	1.64	2.78	2.51	2.34	2.20	2.57
2001	3.83	IS**	4.02	3.94	4.07	4.15	3.99
2002	6.14	3.44	2.46	3.78	3.33	2.70	3.19
2003	10.77	6.38	3.44	3.40	3.73	7.07	4.06
2004	5.94	1.57	3.89	2.88	2.96	2.26	3.00
2005	4.89	3.25	3.54	4.65	3.29	3.06	3.61
2006	3.94	2.71	3.27	4.45	3.98	3.50	3.73
2007							
AVERAGES:							
74-75	6.71	3.69	4.23	6.61	5.91	7.64	5.45
76-80	7.25	4.52	5.17	6.56	8.41	5.61	5.97
81-85	5.37	3.92	5.04	6.21	5.96	4.80	5.18
86-90	5.02	3.96	3.64	4.43	4.59	2.91	3.86
91-95	5.08	3.96	4.68	6.02	4.71	4.05	4.76
95-2000	5.21	2.49	3.80	3.76	3.69	4.14	3.87
2001-04	6.67	3.80	3.45	3.50	3.52	4.05	3.59

* Total of these 6 provinces. Harvest from west of Ontario not included

** Insufficient sample

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Sheet: Sheet1

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07/17/08

Estimates of Black Duck Harvests in North America (U.S. data based on the Harvest Information Program)

Year	Atlantic	Mississippi	Central	US Total	Canada	NA Total
1999	102,000	57,700	0	159,679	174,943	334,622
2000	116,100	58,400	0	174,467	154,936	329,403
2001	95,900	31,800	0	127,700	124,075	251,775
2002	125,500	47,800	500	173,700	122,642	296,342
2003*	95,100	34,000	134	129,200	109,223	238,423
2004*	74,920	35,692	0	110,612	91,764	202,376
2005*	100,497	36,365	115	136,977	89,580	226,557
2006*	93,356	35,840	0	129,197	104,030	233,227
2007*	98,700	38,700	0	137,400		137,400
Averages						
1999-2000	109,050	58,050	0	167,073	164,940	332,013
2001-05	98,383	37,131	150	135,638	107,457	243,095
2006-07	96,028	37,270	0	133,298	104,030	185,313

*US estimates are preliminary

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BREEDING POPULATION ESTIMATES (000s) FOR 10 SPECIES OF DUCKS IN THE TRADITIONAL SURVEY AREA

YEAR	MALLARD	GADWALL	WIGEON	GWTEAL	BWTEAL	SHOVELER	PINTAIL	REDHEAD	CANV'SB'K	SCAUP
1955	8,777	652	3,217	1,807	5,305	1,643	9,775	540	589	5,620
1956	10,453	773	3,145	1,525	4,998	1,781	10,373	757	699	5,994
1957	9,297	667	2,920	1,103	4,300	1,476	6,607	509	626	5,767
1958	11,234	502	2,552	1,347	5,457	1,384	6,038	457	747	5,350
1959	9,024	590	3,788	2,653	5,099	1,578	5,873	499	489	7,038
1960	7,372	784	2,988	1,427	4,293	1,825	5,722	498	606	4,869
1961	7,330	655	3,048	1,729	3,655	1,383	4,218	323	435	5,380
1962	5,536	905	1,959	723	3,011	1,269	3,624	508	360	5,286
1963	6,749	1,055	1,831	1,242	3,724	1,398	3,846	413	506	5,438
1964	6,064	873	2,590	1,561	4,021	1,718	3,291	528	644	5,132
1965	5,132	1,260	2,301	1,282	3,595	1,424	3,592	599	522	4,640
1966	6,732	1,680	2,318	1,617	3,733	2,147	4,812	713	663	4,439
1967	7,510	1,385	2,326	1,594	4,492	2,315	5,278	736	503	4,928
1968	7,089	1,949	2,299	1,431	3,463	1,685	3,489	499	564	4,413
1969	7,532	1,573	2,941	1,491	4,139	2,157	5,904	633	504	5,140
1970	9,986	1,608	3,470	2,183	4,862	2,230	6,392	622	580	5,663
1971	9,416	1,606	3,273	1,889	4,610	2,011	5,847	534	451	5,143
1972	9,266	1,623	3,200	1,948	4,279	2,467	6,979	551	426	7,997
1973	8,079	1,246	2,878	1,949	3,333	1,619	4,356	501	621	6,257
1974	6,880	1,592	2,672	1,865	4,976	2,011	6,598	626	513	5,781
1975	7,727	1,644	2,778	1,665	5,885	1,981	5,900	832	595	6,460
1976	7,934	1,245	2,505	1,548	4,745	1,748	5,476	666	614	5,819
1977	7,397	1,299	2,575	1,286	4,463	1,452	3,926	634	664	6,260
1978	7,425	1,558	3,282	2,174	4,499	1,975	5,108	725	373	5,984
1979	7,883	1,758	3,107	2,072	4,876	2,407	5,376	698	582	7,658
1980	7,707	1,393	3,596	2,050	4,895	1,908	4,508	728	735	6,382
1981	6,410	1,395	2,946	1,911	3,721	2,334	3,480	595	621	5,991
1982	6,409	1,634	2,459	1,536	3,658	2,148	3,709	617	513	5,532
1983	6,456	1,519	2,636	1,875	3,367	1,876	3,511	712	527	7,174
1984	5,415	1,515	3,002	1,408	3,979	1,618	2,965	671	530	7,024
1985	4,961	1,303	2,051	1,475	3,502	1,702	2,516	578	376	5,098
1986	6,124	1,547	1,737	1,675	4,479	2,128	2,740	560	438	5,235
1987	5,790	1,306	2,013	2,006	3,529	1,950	2,628	502	450	4,863
1988	6,369	1,350	2,211	2,061	4,011	1,681	2,006	442	435	4,671
1989	5,645	1,415	1,973	1,842	3,125	1,538	2,112	511	477	4,342
1990	5,452	1,672	1,860	1,790	2,776	1,759	2,257	481	539	4,293
1991	5,445	1,584	2,254	1,558	3,764	1,716	1,803	446	491	5,255
1992	5,976	2,033	2,208	1,773	4,333	1,954	2,098	596	482	4,639
1993	5,708	1,755	2,053	1,695	3,193	2,047	2,053	485	472	4,080
1994	6,980	2,318	2,382	2,108	4,616	2,912	2,972	654	526	4,529
1995	8,269	2,836	2,615	2,301	5,140	2,855	2,758	889	771	4,446
1996	7,941	2,984	2,272	2,500	6,407	3,449	2,736	834	849	4,217
1997	9,940	3,897	3,118	2,507	6,124	4,120	3,558	918	689	4,112
1998	9,640	3,742	2,858	2,087	6,399	3,183	2,521	1,005	686	3,472
1999	10,806	3,236	2,920	2,631	7,150	3,890	3,058	973	716	4,412
2000	9,470	3,158	2,733	3,194	7,431	3,521	2,908	926	707	4,026
2001	7,904	2,679	2,494	2,509	5,757	3,314	3,296	712	580	3,694
2002	7,504	2,235	2,334	2,334	4,207	2,318	1,790	565	487	3,524
2003	7,950	2,549	2,551	2,679	5,518	3,620	2,558	637	558	3,734
2004	7,425	2,590	1,981	2,461	4,073	2,810	2,185	605	617	3,807
2005	6,755	2,179	2,225	2,157	4,586	3,592	2,561	592	521	3,387
2006	7,277	2,825	2,171	2,587	5,860	3,680	3,386	916	691	3,247
2007	8,032	3,355	2,803	2,911	6,694	4,553	3,335	1,009	865	3,452
2008	7,724	257	2,728	159	2,487	151	2,980	194	6,640	337
AVERAGES:										
55-60	9,360	661	3,101	1,644	4,909	1,614	7,398	543	626	5,773
61-65	6,162	950	2,346	1,308	3,601	1,438	3,714	474	493	5,175
66-70	7,770	1,639	2,671	1,663	4,138	2,107	5,175	641	563	4,916
71-75	8,274	1,542	2,960	1,863	4,617	2,018	5,936	609	521	6,328
76-80	7,669	1,451	3,013	1,826	4,695	1,898	4,879	690	594	6,421
81-85	5,930	1,473	2,619	1,641	3,645	1,935	3,236	635	513	6,164
86-90	5,876	1,458	1,959	1,875	3,584	1,811	2,348	499	468	4,681
91-95	6,476	2,105	2,302	1,887	4,209	2,297	2,337	614	548	4,590
96-2000	9,559	3,403	2,780	2,584	6,702	3,633	2,956	931	729	4,048
2001-05	7,508	2,446	2,317	2,428	4,828	3,131	2,478	622	552	3,629
55-2007	7,502	1,745	2,612	1,901	4,568	2,250	4,083	637	570	5,115
PERCENT CHANGE IN 2008 FROM:										
2007	-4%	-92%	-3%	-95%	-63%	-97%	-11%	-81%	668%	-90%
55-2007 AVG	3%	-85%	4%	-92%	-46%	-93%	-27%	-69%	1065%	-93%

Breeding population estimates and 95% confidence intervals or credibility intervals (CIs; in thousands) for the 10 most abundant species of ducks in the eastern survey area, 1990-2006 ^a																				
Year	Mergansers ^b		Mallards		American black ducks		American wigeon		Green-winged teal		Scaup ^c		Ring-necked duck		Goldeneyes ^d		Bufflehead		Scoters ^e	
	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI
1990	351.4	(299-421)	340	(219-575)	437.7	(388-498)	13.5	(1-25)	233.9	(182-307)	50.9	(4-97)	548.9	(432-716)	364	(285-480)	35.5	(23-47)	99.5	(0.1-199)
1991	428.4	(358-524)	385.1	(248-639)	440.1	(385-508)	15.2	(2-28)	222.6	(174-294)	38.8	(17-60)	480.8	(381-625)	376.6	(296-496)	28.4	(14-41)	89.8	(24-154)
1992	427.7	(356-536)	385.1	(247-648)	418.5	(368-479)	5.1	(0.5-9)	215.5	(166-285)	36.9	(3-69)	492.4	(388-635)	391.1	(305-516)	45.3	(27-63)	85.2	(0.1-190)
1993	397.3	(331-490)	390.6	(251-655)	417.9	(366-480)	10.4	(3-17)	195.5	(149-261)	12	(3-21)	446.6	(353-576)	377	(293-499)	6.6	(3-10)	104.4	(18-190)
1994	422.5	(340-555)	405.4	(260-678)	384.4	(335-443)	10.2	(2-18)	203.6	(156-273)	36.7	(6-66)	463.2	(363-603)	388.9	(303-514)	24.3	(7-41)	162.2	(38-285)
1995	449.5	(367-569)	339.5	(216-580)	436.8	(380-504)	9.5	(0-21)	207.6	(159-278)	16.5	(0-34)	479	(376-626)	343.1	(266-457)	10.3	(4-16)	25.9	(7-44)
1996	388.8	(330-466)	363.9	(234-616)	502	(447-566)	10	(3-16)	269.8	(212-350)	20.4	(2-38)	583.8	(464-750)	401.5	(314-529)	36.1	(23-49)	31.6	(16-47)
1997	405.6	(343-490)	387.6	(247-652)	455.3	(407-511)	18.2	(10-26)	210.2	(165-274)	37.4	(5-69)	526.5	(420-673)	400.9	(314-527)	15.3	(8-22)	52.6	(28-76)
1998	327.5	(279-393)	426.8	(276-702)	487.9	(436-547)	58.1	(21-94)	201.1	(158-261)	15.6	(1-30)	463.2	(368-595)	362.4	(284-475)	26.8	(19-34)	58.9	(35-82)
1999	386.9	(327-467)	434.7	(283-712)	544.5	(487-612)	14.1	(10-18)	241.5	(189-314)	22.3	(2-42)	537.1	(428-686)	436.6	(338-581)	15	(9-20)	24.2	(8-39)
2000	398.5	(337-482)	390.3	(254-650)	507.1	(454-569)	38.1	(6-70)	263.7	(210-339)	37.9	(18-57)	570.7	(455-732)	423	(330-559)	15.9	(9-22)	51.7	(28-74)
2001	381.5	(325-458)	425	(279-702)	477	(426-535)	43.9	(24-63)	217.8	(171-281)	137.9	(0.3-286)	518.6	(414-665)	488.8	(380-649)	40.4	(24-56)	57.1	(28-85)
2002	501.5	(427-600)	418.7	(274-688)	527.9	(473-592)	13.1	(4-21)	255.6	(201-334)	68.8	(0.3-150)	523.2	(413-679)	571.9	(432-788)	53.2	(35-70)	202.1	(0.6-469)
2003	442.6	(374-537)	433.9	(282-717)	477.6	(427-535)	11.6	(3-19)	246.1	(194-321)	38.8	(12-65)	539.4	(431-689)	422.8	(331-558)	18.9	(11-26)	73.4	(27-119)
2004	468.3	(400-557)	457.1	(300-745)	491.4	(439-552)	22.8	(11-34)	285.1	(224-373)	22.8	(10-35)	580.8	(462-750)	407.7	(322-532)	17.3	(10-24)	103.3	(57-149)
2005	435.4	(369-527)	445.1	(288-736)	478	(427-539)	31.1	(17-44)	228.2	(180-296)	30	(14-46)	541.4	(435-691)	382	(301-501)	18.8	(8-28)	74.8	(45-104)
2006	398.3	(341-478)	413.4	(272-682)	500.7	(448-562)	11.5	(5-17)	230.8	(181-299)	36.9	(18-54)	557.9	(446-716)	388	(306-506)	15.1	(9-21)	78.8	(27-130)
2007	429.3	(364-520)	452.8	(295-748)	571.2	(508-647)	14	(5-23)	260.1	(205-336)	31.3	(18-43)	664	(529-855)	454.6	(356-601)	15.7	(8-22)	103.2	(40-165)
2008	411.9	(350-492)	450.1	(296-736)	495.8	(444-558)	8.4	(2-14)	261.2	(204-344)	32.5	(21-43)	551.2	(441-705)	423.8	(332-558)	30.2	(19-40)	85.6	(56-115)

^a Estimates for mergansers, mallards, American black ducks, green-winged teal, ring-necked duck, and goldeneyes from Bayesian hierarchical analysis using FWS and CWS data from strata 51, 52, 63, 64, 66-68, 70-72. All others were computed as harmonic means of FWS and CWS estimates for strata 51, 52, 63, 64, 66-68, 70-72.

^b Common, red-breasted, and hooded.

^c Greater and lesser.

^d Common and Barrow's.

^e Black and surf.

Number of Canada goose breeding pairs estimated for the Ungava Peninsula (regions 1,2 and 3) of northern Quebec.

Year ^a	Total area (km ²)	Surveyed area (km ²)	<i>n</i> ^b	PAIRS/ km ² (SE)	TOTAL PAIRS (SE)
1988	222,700	575	16	0.53 (0.068)	118,031 (15,144)
1993	222,700	838	35	0.41 (0.056)	91,307 (12,471)
1994	222,700	1,214	36	0.18 (0.020)	40,086 (4,454)
1995	222,700	1,211	36	0.13 (0.013)	29,302 (2,967)
1996	222,700	1,211	36	0.21 (0.023)	46,058 (5,052)
1997	222,700	1,239	36	0.28 (0.028)	63,216 (6,201)
1998	222,700	1,214	36	0.19 (0.023)	42,166 (5,009)
1999	222,700	1,208	35	0.35 (0.040)	77,451 (8,792)
2000	222,700	1,107	34	0.42 (0.044)	93,230 (9,850)
2001	222,700	1,029	31	0.66 (0.073)	146,662 (16,185)
2002	222,700	1,214	36	0.74 (0.068)	164,840 (15,169)
2003	222,700	1,208	36	0.71 (0.055)	156,937 (12,273)
2004	222,700	1,181	35	0.79 (0.068)	174,793 (15,049)
2005	222,700	1,214	36	0.73 (0.057)	162,395 (12,622)
2006	222,700	838	28	0.72 (0.074)	160,020 (16,419)
2007	222,700	1,162	34	0.89 (0.075)	195,709 (16,621)
2008	222,700	1,188	35	0.76 -(0.064)	169,699 -(14,331)

^a1988 (Malecki and Trost 1990); 1993 (Bordage and Plante 1993); 1994 (Harvey 1994); 1995 (Harvey and Bourget 1995); 1996 (Harvey and Borget 1996); 1997 (Harvey and Bourget 1997); 1998-2005 (Harvey and Rodrigue 1998-2007).

^b Number of transects.

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North Atlantic Population Canada goose breeding survey data, strata 66 (Newfoundland) and 67 (Labrador).

Stratum 66 (Newfoundland)												
Year	Raw data			Expansion				Expanded data				
	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	11	47	0	58	116	234.711	2.73	7,048	30,116	0	37,164	74,328
1997	14	32	4	46	96	223.5344	2.73	8,543	19,528	2,441	28,071	58,584
1998	28	62	71	90	251	132.2316	2.73	10,108	22,382	25,630	32,489	90,609
1999	59	46	45	105	255	132.2316	2.73	21,299	16,606	16,245	37,904	92,053
2000	36	45	38	81	200	132.2316	2.73	12,996	16,245	13,718	29,240	72,198
2001	39	32	17	71	159	132.2316	2.73	14,079	11,552	6,137	25,630	57,398
2002	27	50	63	77	217	132.2316	2.73	9,747	18,050	22,743	27,796	78,335
2003	33	50	4	83	170	132.3795	2.73	11,926	18,070	1,446	29,996	61,437
2004	34	42	19	76	171	132.2316	2.73	12,274	15,162	6,859	27,435	61,730
2005	19	37	41	56	153	134.1206	2.73	6,957	13,548	15,012	20,504	56,021
2006	29	52	31	81	193	132.2316	2.73	10,469	18,772	11,191	29,240	69,672
2007	43	48	9	91	191	134.2033	2.73	15,754	17,586	3,297	33,340	69,978
2008	28	25	11	53	117	134.397964	2.73	10,273	9,173	4,036	19,446	42,928
Stratum 67 (Labrador)												
Year	Raw data			Expansion				Expanded data				
	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	12	50	37	62	161	368.6623	2.73	12,077	50,322	37,239	62,400	162,038
1997	22	29	30	51	132	261.1358	2.73	15,684	20,674	21,387	36,358	94,103
1998	19	11	52	30	112	261.1358	2.73	13,545	7,842	37,071	21,387	79,845
1999	45	41	6	86	178	250.6904	2.73	30,797	28,060	4,106	58,857	121,820
2000	13	29	67	42	151	250.6904	2.73	8,897	19,847	45,854	28,744	103,342
2001	20	27	11	47	105	250.6904	2.73	13,688	18,478	7,528	32,166	71,860
2002	14	36	67	50	167	250.6904	2.73	9,581	24,638	45,854	34,219	114,292
2003	34	11	15	45	105	250.6904	2.73	23,269	7,528	10,266	30,797	71,860
2004	25	34	80	59	198	250.6904	2.73	17,110	23,269	54,751	40,379	135,508
2005	24	21	18	45	108	250.6904	2.73	16,425	14,372	12,319	30,797	73,914
2006	13	20	14	33	80	221.4289	2.73	7,859	12,090	8,463	19,949	48,360
2007	22	32	35	54	143	247.9313	2.73	14,891	21,659	23,690	36,550	96,790
2008	19	18	34	37	108	221.945909	2.73	11,512	10,906	20,601	22,419	65,439
Combined total, strata 66 and 67												
Year	Raw data					Expanded data						
	Singles	Pairs	Grouped	TIP*	TIB**	Singles	Pairs	Grouped	TIP*	TIB**	TIP*	TIB**
1996	23	97	37	120	277	19,126	80,438	37,239	99,564	236,366		
1997	36	61	34	97	228	24,227	40,202	23,828	64,429	152,687		
1998	47	73	123	120	363	23,653	30,223	62,701	53,876	170,454		
1999	104	87	51	191	433	52,096	44,665	20,351	96,761	213,874		
2000	49	74	105	123	351	21,893	36,092	59,571	57,985	175,541		
2001	59	59	28	118	264	27,766	30,030	13,665	57,797	129,258		
2002	41	86	130	127	384	19,328	42,687	68,596	62,016	192,628		
2003	67	61	19	128	275	35,195	25,598	11,711	60,793	133,298		
2004	59	76	99	135	369	29,383	38,431	61,610	67,814	197,238		
2005	43	58	59	101	261	23,382	27,920	27,331	51,302	129,934		
2006	42	72	45	114	273	18,327	30,862	19,654	49,189	118,032		
2007	65	80	44	145	334	30,645	39,245	26,987	69,890	166,768		
2008	47	43	45	90	225	21,786	20,079	24,637	41,865	108,367		

* Total indicated pairs = Singles + Pairs

** Total indicated birds = 2 x Singles + 2 x Pairs + Grouped

*** Visibility correction factor

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Revision: JDK 07/17/08

Breeding-ground survey estimates ¹ of Southern James Bay Population Canada geese										
Year	Spring Population			Observed as Breeding Pairs			Observed as Non-Breeders			Spr. Pop.
	Akimiski Is.	Mainland	Total	Akimiski Is.	Mainland	Total	Akimiski Is.	Mainland	Total	
1990	48,089	34,279	82,368	32,724	34,026	66,750	15,365	253	15,618	82,368
1991	32,234	75,835	108,069	21,086	55,498	76,584	11,147	20,336	31,483	108,067
1992	25,816	65,806	91,622	20,452	53,314	73,766	5,365	12,491	17,856	91,622
1993	20,665	56,680	77,345	14,090	38,872	52,962	6,576	17,808	24,384	77,346
1994	40,351	55,367	95,718	16,024	29,114	45,138	24,326	26,253	50,579	95,717
1995	25,060	68,897	93,957	15,962	57,980	73,942	9,097	10,917	20,014	93,956
1996	36,704	86,283	122,987	19,768	50,702	70,470	16,936	35,581	52,517	122,987
1997	28,872	66,230	95,102	22,372	62,944	85,316	6,500	3,286	9,786	95,102
1998	31,290	85,770	117,060	17,900	57,980	75,880	13,390	27,790	41,180	117,060
1999	31,356	105,267	136,623	22,876	85,188	108,064	8,480	20,080	28,560	136,624
2000	23,149	65,915	89,064	17,018	60,954	77,972	6,131	4,962	11,093	89,065
2001	26,977	75,693	102,670	18,464	49,836	68,300	8,513	25,857	34,370	102,670
2002	21,079	55,212	76,291	16,116	41,996	58,112	4,963	13,216	18,179	76,291
2003	17,323	89,188	106,511	15,374	74,866	90,240	1,949	14,322	16,271	106,511
2004	16,694	84,343	101,037	11,820	63,352	75,172	4,873	20,991	25,864	101,036
2005 ²	13,608	32,670	46,278	9,782	32,424	42,206	3,826	246	4,072	46,278
2006	22,038	138,392	160,430	16,980	111,900	128,880	5,057	26,492	31,549	160,429
2007 ³	23,658	74,334	97,992	13,948	50,836	64,784	9,711	23,500	33,211	97,995
2008 ⁴	15,770	94,640	110,409	13,794	78,540	92,332	1,977	16,100	18,077	110,409
Averages:										
1990-94	33,431	57,593	91,024	20,875	42,165	63,040	12,556	15,428	27,984	91,024
1995-99	30,656	82,489	113,146	19,776	62,959	82,734	10,881	19,531	30,411	113,146
2000-04	21,044	74,070	95,115	15,758	58,201	73,959	5,286	15,870	21,155	95,115
2005-08	18,769	85,009	103,777	13,626	68,425	82,051	5,143	16,585	21,727	103,778
1990-07	26,354	74,253	100,607	17,713	57,385	75,098	8,641	16,867	25,509	100,607
Percent change in 2008 from:										
2007	-33%	27%	13%	-1%	54%	43%	-80%	-31%	-46%	13%
1990-07	-40%	27%	10%	-22%	37%	23%	-77%	-5%	-29%	10%

¹ Estimates = geese observed X 1.4 visibility correction

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² Survey flown with different aircraft (Aero Commander) and during late incubation and hatching. Estimates biased low due to visibility differences.

low due to

Updated: JDK

7/17/2008

³ The mainland survey area was reduced by 20,000 km².

⁴ Four transects were not flown in Stratum II

GREATER SNOW GOOSE POPULATION AND PRODUCTIVITY ESTIMATES FROM THE ST. LAWRENCE VALLEY, 1965-2008 (Austin Reed, CWS-Quebec Region)

Year	Estimated spring population ¹	Percent young in fall flight ²		Brood size ³ in fall	
		Mean	No. geese	Mean	No. broods
1965	25,400				
1966	25,400				
1967	40,900				
1968	38,900				
1969	68,800				
1970	89,600				
1971	123,300				
1972	134,800				
1973	143,000	40.6	800	2.94	49
1974	165,000	6.4	7,282	2.19	119
1975	153,800	31.2	17,579	2.71	1,294
1976	165,600	12.6	20,847	2.46	419
1977	160,000	23.9	10,297	2.28	396
1978	192,600	17.9	9,679	2.34	309
1979	170,100	28.2	20,849	2.65	1,226
1980	180,000	35.3	12,120	2.76	651
1981	170,800	16.3	10,683	2.3	229
1982	163,000	25.1	9,577	2.48	661
1983	185,000	47.4	12,353	2.86	1,246
1984	225,400	30.4	39,781	2.63	2,434
1985	260,000	25.8	33,700	2.49	1,682
1986	303,500	2.3	22,998	1.89	74
1987	255,000	40.2	33,278	2.77	1,882
1988	363,800 ⁴	33.1	40,246	2.76	2,444
1989	363,200	31.1	29,191	2.59	2,014
1990	368,300	23.6	20,313	2.54	830
1991	352,600	38.3	15,102	2.69	1,247
1992	448,100	5.4	32,252	2.06	404
1993	498,400	47.8	24,163	2.75	2,743
1994	591,400	9.2	16,444	2.44	242
1995	616,600	16.6	19,519	2.47	665
1996	669,100	25.1	22,595	2.34	1,247
1997	657,500	36.8	17,586	2.69	1,222
1998	(836,600) ⁵	33.1	17,982	2.52	1,440
1999	803,400	2.1	20,394	2.09	91
2000	(813,900) ⁵	22.7	20,468	2.54	1,302
2001	837,400	27.5	22,106	2.36	1,072
2002	639,300	6	18,930	1.91	274
2003	678,000	27	15,900	2.36	1,092
2004	957,600	17.8	26,206	2.44	1,031
2005	814,600	20.7	29,022	2.38	1,470
2006	1,017,000	19.7	23,378	2.34	1,143
2007	1,019,000	—	—	—	—
2008					

¹ From aerial photo counts

² From visual ground counts

³ Broods accompanied by 2 parents

⁴ No spring survey conducted - the value provided was derived from population model published in Gauvin & Reed (CWS Occas. Pap. No. 64. 1987)

⁵ The estimates in parentheses for 1998 and 2000 have been corrected to account for flocks not observed during the survey, using a known sample of radio-marked birds.

^{*} Preliminary

Source, 1965-2000:

Reed, A., G. Gauthier, J-F. Giroux, and A. Béchet. 2000. Population and productivity surveys of greater snow geese in 2000. Report to the USFWS and the Atlantic Flyway Council Technical Section, February 2000.

NUMBERS OF LONG-TAILED DUCKS, EIDERS, AND HARLEQUIN DUCKS OBSERVED DURING THE SEA DUCK SURVEY IN THE ATLANTIC FLYWAY

Species	Year	US														Canada			Total
		GA	SC	NC	VA	MD	DE	NJ	NY	CT	RI	MA	NH	ME	Total	NB	NS	Total	
Long-tailed duck																			
	1991	4	0	14	147	457	10	83	52	7	4	76	0	631	1,485	105	2,129	2,234	3,719
	1992	0	0	4	395	1,086	2	256	178	60	75	458	1	837	3,352	250	1,165	1,415	4,767
	1993																		
	1994	0	0	67	2,320	4,682	536	1,145	1,720	736	2	188	46	428	11,870	52	876	928	12,798
	1995	0	0	15	287	713	1	319	1,361	83	36	645	41	1,455	4,956	104	2,078	2,182	7,138
	1996																		
	1997	0	0	0	107	687	10	574	1,041	33	34	390	0	855	3,731	98	555	653	4,384
	1998	0	0	75	530	2,016	11	150	454	42	0	277	4	1,596	5,155	70	1,427	1,497	6,652
	1999	12	0	35	223	1,260	0	1,183	1,011	112	19	509	14	1,030	5,408	296	2,114	2,410	7,818
	2000	0	0	0	213	1,619	23	416	707	289	159	1,099	73	1,915	6,513	342	741	1,083	7,596
	2001	0	0	0	783	2,756	9	259	656	87	75	1,016	48	1,662	7,351	253	1,746	1,999	9,350
	2002	0	0	0	280	2,655	5	1,878	415	140	57	910	32	1,372	7,744	92	1,609	1,701	9,445
	2003																		
	2004																		
	2005																		
Common eider																			
	1991	0	0	0	0	0	0	0	0	0	0	15,324	114	13,670	29,108	1,183	5,216	6,399	35,507
	1992	0	0	0	0	0	0	0	2	2	77	11,804	0	11,435	23,320	1,206	7,751	8,957	32,277
	1993																		
	1994	0	0	0	0	0	0	0	0	0	181	5,393	260	22,225	28,059	323	2,569	2,892	30,951
	1995	0	0	0	0	0	0	2	26	11	584	7,845	243	19,941	28,652	2,128	6,724	8,852	37,504
	1996																		
	1997	0	0	0	0	0	0	0	0	65	962	5,381	32	11,128	17,568	892	9,022	9,914	27,482
	1998	0	0	0	0	0	0	0	0	0	7,782	11,609	74	23,986	43,451	2,715	10,413	13,128	56,579
	1999	750	0	0	0	0	0	0	30	0	795	8,200	0	27,094	36,869	2,002	9,463	11,465	48,334
	2000	0	0	0	0	0	0	0	0	0	2,008	24,434	561	36,963	63,966	4,478	8,111	12,589	76,555
	2001	0	0	0	0	0	0	0	0	5	38	3,875	331	11,564	15,813	1,833	10,854	12,687	28,500
	2002	0	0	0	0	0	0	0	0	1	171	7,971	122	13,633	21,898	2,920	9,917	12,837	34,735
	2003																		
	2004																		
	2005																		
Harlequin ducks																			
	1991	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	7	7	8
	1992	0	0	0	0	0	0	0	0	0	0	0	0	15	15	3	6	9	24
	1993																		
	1994	0	0	0	0	0	0	0	0	0	26	0	0	7	33	5	4	9	42
	1995	0	0	0	0	0	0	0	0	0	0	0	0	21	21	23	4	27	48
	1996																		
	1997	0	0	0	0	0	0	0	0	0	0	0	0	1	1	15	7	22	23
	1998	0	0	0	0	0	0	0	0	0	0	0	0	16	16	11	6	17	33
	1999	0	0	0	0	0	0	0	0	0	0	0	0	32	32	4	18	22	54
	2000	0	0	0	0	0	0	0	0	0	28	20	7	39	94	0	0	0	94
	2001	0	0	0	0	0	0	0	0	0	8	0	0	25	33	7	7	14	47
	2002	0	0	0	0	0	0	0	0	0	2	0	0	35	37	2	3	5	42
	2003																		
	2004																		
	2005																		

NUMBERS OF SCOTERS OBSERVED DURING THE SEA DUCK SURVEY IN THE ATLANTIC FLYWAY

Species	Year	US													Canada			Total		
		GA	SC	NC	VA	MD	DE	NJ	NY	CT	RI	MA	NH	ME	Total	NB	NS		Total	
Black scoters																				
1991		426	596	86	1,588	569	2	0	270	44	2	0	390	2	48	4,021	0	16	16	4,037
1992		39	365	58	1,418	466	0	51	128	2	0	4	96	0	62	2,689	0	18	18	2,707
1993		No survey																		
1994		2	167	40	717	271	0	36	88	0	0	87	794	50	844	3,096	1	782	783	3,879
1995		1	1,177	1,030	631	1,551	210	2	637	6	0	3	130	0	110	5,488	49	0	49	5,537
1996		No survey																		
1997		0	57	283	8,836	58	0	32	515	60	0	250	0	69	10,160	14	207	221	10,381	
1998		0	979	7	1,546	330	8	512	5,175	44	804	1,469	70	3,983	14,927	102	769	871	15,798	
1999		400	144	136	1,205	285	16	238	2,225	3	165	504	55	222	5,598	57	1,447	1,504	7,102	
2000		245	105	184	2,092	584	150	2,745	464	0	240	1,875	10	925	9,619	13	1,735	1,748	11,367	
2001		7	4	220	311	121	32	378	4,454	25	1	335	18	407	6,313	124	2,102	2,226	8,539	
2002		0	0	10	925	97	1	2,032	1,788	0	30	1,471	17	324	6,695	152	1,641	1,793	8,488	
2003		No survey																		
2004		No survey																		
2005		No survey																		
Surf scoters																				
1991		0	4	6	1,658	340	8	14	17	2	8	34	0	296	2,387	9	127	136	2,523	
1992		0	0	12	554	807	0	3	8	0	34	1,986	0	222	3,626	186	741	927	4,553	
1993		No survey																		
1994		0	0	122	1,258	1,590	49	0	1,533	0	0	12	0	11	4,575	22	95	117	4,692	
1995		0	30	119	4,764	986	70	107	1,180	4	37	885	41	656	8,879	134	1,226	1,360	10,239	
1996		No survey																		
1997		50	6	840	6,587	156	14	7	289	1	13	465	0	149	8,577	0	847	847	9,424	
1998		25	2	128	19,985	1,980	0	2	568	11	0	0	0	10	22,711	0	0	0	22,711	
1999		150	74	0	666	912	9	83	473	31	192	771	16	282	3,659	8	551	559	4,218	
2000		33	30	646	3,066	579	1,221	110	166	1	988	7,309	115	596	14,860	35	325	360	15,220	
2001		0	0	233	2,269	1,715	19	135	2,194	8	5	543	33	333	7,487	121	555	676	8,163	
2002		0	0	2	1,304	81	0	3,007	378	0	0	1,126	81	87	6,066	130	805	935	7,001	
2003		No survey																		
2004		No survey																		
2005		No survey																		
White-winged scoters																				
1991		0	0	0	78	267	0	0	124	1	9	344	1	332	1,156	78	537	615	1,771	
1992		0	9	0	2	52	0	1	238	2	5	163	0	88	560	12	138	150	710	
1993		No survey																		
1994		0	0	35	29	4	0	0	53	0	0	146	31	102	400	2	132	134	534	
1995		0	0	0	13	106	6	6	623	37	17	720	275	813	2,616	1,500	703	2,203	4,819	
1996		No survey																		
1997		0	24	120	0	0	0	0	2,085	2	14	58	0	188	2,491	0	951	951	3,442	
1998		0	0	0	9	0	3	35	1,007	0	0	109	14	79	1,256	0	134	134	1,390	
1999		0	0	0	0	0	0	276	4,202	0	0	194	3	154	4,829	35	371	406	5,235	
2000		10	0	3	3	37	0	0	222	0	20	0	0	97	392	2	200	202	594	
2001		0	0	0	0	224	0	0	1,886	63	14	253	22	19	2,481	4	233	237	2,718	
2002		0	0	0	6	0	0	2	1,134	0	4	2,095	43	215	3,499	58	129	187	3,686	
2003		No survey																		
2004		No survey																		
2005		No survey																		
Miscellaneous/unidentified scoters																				
1991		550	125	0	28,904	476	0	0	11,243	0	63	2,907	0	296	44,564	0	41	41	44,605	
1992		5	607	74	1,185	522	0	168	2,878	0	15	428	0	317	6,199	21	705	726	6,925	
1993		No survey																		
1994		0	6	0	137	0	0	0	2	0	0	0	0	0	145	23	27	50	195	
1995		0	0	0	75	200	0	0	0	0	0	0	0	75	350	0	0	0	350	
1996		No survey																		
1997		0	0	0	0	0	0	0	0	0	70	5	0	2	77	22	2	24	101	
1998		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1999		75	1,900	0	54	0	0	100	276	55	0	116	0	119	2,695	0	148	148	2,843	
2000		0	28	0	5	168	0	24	0	0	0	0	0	40	265	3	260	263	528	
2001		0	0	0	0	0	0	30	314	5	0	1,013	42	73	1,477	0	53	53	1,530	
2002		0	952	83	121	28	5	114	354	0	2	3,045	8	135	4,847	20	162	182	5,029	
2003		No survey																		
2004		No survey																		
2005		No survey																		
Total Scoters																				
1991		976	725	92	32,228	1,652	10	14	11,654	47	80	3,675	3	972	52,128	87	721	808	52,936	
1992		44	981	144	3,159	1,847	0	223	3,252	4	58	2,673	0	689	13,074	219	1,602	1,821	14,895	
1993		No survey																		
1994		2	173	197	2,141	1,865	49	36	1,676	0	87	952	81	957	8,216	48	1,036	1,084	9,300	
1995		1	1,207	1,149	5,483	2,843	286	115	2,440	47	57	1,735	316	1,654	17,333	1,683	1,929	3,612	20,945	
1996		No survey																		
1997		50	87	1,243	15,423	214	14	39	2,889	63	97	778	0	408	21,305	36	2,007	2,043	23,348	
1998		25	981	135	21,540	2,310	11	549	6,750	55	804	1,578	84	4,072	38,894	102	903	1,005	39,899	
1999		625	2,118	136	1,925	1,197	25	697	7,176	89	357	1,585	74	777	16,781	100	2,517	2,617	19,398	
2000		288	163	833	5,166	1,368	1,371	2,879	852	1	1,248	9,184	125	1,658	25,136	53	2,520	2,573	27,709	
2001		7	4	453	2,580	2,060	51	543	8,848	101	20	2,144	115	832	17,758	249	2,943	3,192	20,950	
2002		0	952	95	2,356	206	6	5,155	3,654	0	36	7,737	149	761	21,107	360	2,737	3,097	24,204	
2003		No survey																		
2004		No survey																		
2005		No survey																		

Estimated mourning dove harvest in the Eastern Management Unit, 2003-2007.																				
Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	2,100	306,600	17,900	38,800	172,100	255,400	762,500	526,000	730,800	333,300		877,100	361,500	308,000	555,700	737,300	767,300	348,700	977,400	8,078,500
2004	3,100	296,100	15,300	54,900	176,400	347,700	215,900	663,700	963,400	255,000	97,300	890,600	291,700	325,400	593,500	780,800	388,600	627,600	724,900	7,712,000
2005	900	430,300	22,300	54,200	241,700	424,400	741,800	1,447,700	757,200	341,800	180,600	798,800	371,900	488,800	703,100	633,200	445,900	455,900	1,252,600	9,793,000
2006	500	372,200	14,600	39,400	162,700	304,200	861,500	696,200	851,500	298,800	100,900	948,700	190,500	284,400	491,300	656,100	373,700	492,800	1,015,300	8,155,400
2007	2,009	509,143	20,161	50,894	212,865	418,103	853,976	865,914	1,107,458	372,589	201,991	912,341	258,375	307,672	278,107	682,687	412,894	611,997	829,252	8,908,428

All estimates are preliminary

C:\Data Book\Webless species\Mourning doves.xls

Sheet: EMU

Revision: JDK

07/17/08

Estimated numbers of mourning dove hunters in the Eastern Management Unit, 2003-2007.																				
Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	200	28,400	1,400	2,200	12,100	21,200	59,800	30,900	41,200	18,100		35,300	15,400	20,900	33,500	38,600	41,300	17,200	49,000	
2004	300	26,000	1,400	3,000	11,100	22,700	20,600	32,200	47,300	15,500	17,700	39,400	14,100	17,000	27,500	35,000	26,700	32,400	43,800	
2005	300	40,900	1,800	3,000	10,800	26,500	46,000	65,100	39,200	19,200	15,600	37,600	18,400	19,100	29,700	36,900	23,800	24,100	63,200	
2006	100	31,600	1,100	2,400	9,300	20,400	40,400	36,200	38,600	15,900	11,200	40,500	13,200	14,300	20,700	37,800	22,700	23,000	56,300	
2007	252	37,481	1,828	2,628	11,845	26,499	50,886	43,364	37,935	21,561	13,585	41,396	15,043	17,501	10,607	32,991	24,593	30,073	48,513	

All estimates are preliminary

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Sheet: EMU

Revision: JDK

07/17/08

Estimated seasonal mourning dove harvest per hunter in the Eastern Management Unit, 2003-2007.																				
Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	10.3	10.8	12.6	17.3	14.2	12.0	12.8	17.0	17.7	18.4		24.8	23.5	14.7	16.6	19.1	18.6	20.3	20.0	
2004	10.8	11.4	11.1	18.4	15.8	15.3	10.5	20.6	20.4	16.4	5.5	22.6	20.8	19.2	21.6	22.3	14.6	19.4	16.6	
2005	3.1	10.5	12.2	17.8	22.3	16.0	16.1	22.2	19.3	17.8	11.6	21.2	20.3	25.6	23.7	17.2	18.8	19.0	19.8	
2006	5.3	11.8	13.5	16.1	17.6	14.9	21.3	19.2	22.1	18.8	9.0	23.4	14.5	19.9	23.8	17.3	16.5	21.5	18.0	
2007	8	14	11	19	18	16	17	20	29	17	15	22	17	18	26	21	17	20	17	

All estimates are preliminary

C:\Data Book\Webless species\Mourning doves.xls

Sheet: EMU

Revision: JDK

07/17/08

Estimated mourning dove hunter days in the Eastern Management Unit, 2003-2007.																				
Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	1,000	104,700	4,100	6,600	34,600	52,200	128,500	100,500	131,300	65,200		114,900	57,000	73,000	79,600	173,700	149,800	41,200	138,900	1,456,900
2004	900	112,100	4,600	11,700	46,900	58,000	41,800	107,100	146,600	55,200	77,500	123,900	46,400	74,900	78,400	90,400	82,400	89,800	124,800	1,373,400
2005	1,100	160,000	5,600	8,700	41,900	76,900	130,400	222,400	116,500	63,000	62,700	121,300	66,600	85,700	89,400	93,900	88,400	66,400	168,800	1,669,800
2006	600	113,700	2,700	7,000	29,500	52,500	125,500	118,500	120,200	53,600	40,100	129,200	40,200	70,000	64,000	101,000	65,800	60,100	141,800	1,336,000
2007	1,117	158,995	4,254	8,093	36,605	78,611	144,815	139,427	145,621	66,005	61,566	137,249	45,977	60,627	34,067	85,475	63,715	82,005	127,474	1,481,697

All estimates are preliminary

C:\Data Book\Webless species\Mourning doves.xls

Sheet: EMU

Revision: JDK

07/17/08

Estimated mourning dove harvest in the United States, 2003-2007.				
Year	EMU	CMU	WMU	US
2003	8,078,500	7,714,600	2,420,100	18,213,200
2004	7,712,000	9,807,700	2,470,600	19,990,200
2005	9,793,000	9,891,400	2,465,500	22,149,900
2006	8,155,400	8,887,000	2,202,900	19,245,300
2007	8,908,428	9,180,155	2,461,453	20,550,036

All estimates are preliminary

Revision: JDK

07/17/08

C:\Data Book\Webless species\Mourning doves.xls

Sheet:

US

Estimated mourning dove hunter days in the United States, 2003-2007.				
Year	EMU	CMU	WMU	US
2003	1,456,900	1,442,600	459,700	3,359,100
2004	1,373,400	1,844,300	476,200	3,693,800
2005	1,669,800	1,729,800	446,200	3,845,700
2006	1,336,000	1,605,900	458,800	3,400,700
2007	1,481,697	1,803,864	487,341	3,772,901

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Revision: JDK

07/17/08

C:\Data Book\Webless species\Mourning doves.xls

Sheet:

US

Estimated American woodcock harvest in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	31,000	2,700	3,900	4,000	2,400	100	14,500	8,400	400	4,000	400	3,500	4,700	4,700	1,800	1,900	900	89,200
2004	27,000	4,200	9,700	6,600	5,000	1,300	17,500	37,000	1,300	3,400	2,200	2,500	4,500	700	2,500	7,100	3,100	135,400
2005	9,100	6,500	5,200	2,300	4,000	200	10,700	19,200	1,000	2,400	300	500	4,100	1,800	3,000	1,800	300	72,200
2006	15,600	2,400	5,900	3,100	3,500	0	10,200	18,400	900	1,400	300	2,000	3,100	4,600	6,100	500	200	78,000
2007	13,700	2,000	5,400	2,100	1,700	200	9,800	11,100	1,700	1,600	1,600	400	2,600	7,500	1,200	7,800	5,600	75,900

All estimates are preliminary

C:\Data Book\Webless species\Woodcock.xls

Sheet: EMR

Revision: JDK

07/17/08

Estimated numbers of American woodcock hunters in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	6,600	800	1,900	1,200	1,400	100	5,700	9,500	200	1,000	400	1,600	3,000	900	2,100	400	800	
2004	4,300	800	1,500	1,000	900	200	4,400	9,000	400	1,100	400	700	2,000	200	1,700	2,600	1,000	
2005	5,800	1,500	2,200	1,300	1,300	200	4,300	11,300	400	1,400	100	500	1,400	1,800	1,700	400	1,000	
2006	7,800	800	1,600	1,300	1,300	200	4,400	10,100	200	700	200	800	1,600	1,600	2,300	1,400	1,100	
2007	5,200	700	2,300	900	800	100	5,000	10,600	400	800	400	1,000	500	2,400	700	1,600	2,900	

All estimates are preliminary

C:\Data Book\Webless species\Woodcock.xls

Sheet: EMR

Revision: JDK

07/17/08

Estimated seasonal American woodcock harvest per hunter in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	4.7	3.4	2.0	3.3	1.6	0.9	2.5	0.9	1.6	3.8	1.1	2.2	1.6	5.3	0.9	5.0	1.1	
2004	3.6	4.9	2.7	2.7	2.3	1.0	2.1	1.4	2.3	2.1	1.3	1.0	1.0	3.7	0.8	0.6	1.1	
2005	1.6	4.5	2.4	1.7	3.1	0.8	2.5	1.7	2.5	1.7	2.0	1.0	2.8	1.0	1.7	4.3	0.3	
2006	2.0	3.0	3.8	2.3	2.8	0.0	2.3	1.8	3.5	2.0	1.6	2.6	1.9	2.8	2.7	0.3	0.2	
2007	3	3	2	2	2	3	2	1	4	2	4	0	5	3	2	5	2	

All estimates are preliminary

C:\Data Book\Webless species\Woodcock.xls

Sheet: EMR

Revision: JDK

07/17/08

Estimated American woodcock hunter days in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	21,400	4,100	5,400	6,100	6,300	700	21,400	48,400	500	4,000	1,600	3,000	7,200	4,000	14,100	1,500	2,500	152,300
2004	27,000	4,200	9,700	6,600	5,000	1,300	17,500	37,000	1,300	3,400	2,200	2,500	4,500	700	2,500	7,100	3,100	135,400
2005	25,200	10,000	10,600	7,100	6,800	800	16,700	56,800	1,500	4,900	200	1,400	11,800	2,100	3,900	2,500	1,800	164,200
2006	33,200	3,400	6,800	5,900	5,500	500	18,700	36,600	800	2,800	500	1,800	5,300	6,400	8,400	5,600	2,200	144,200
2007	22,600	3,000	11,500	5,000	3,200	100	23,100	41,100	1,500	3,400	1,700	2,700	2,400	11,200	1,500	6,200	4,800	145,000

All estimates are preliminary

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Sheet: EMR

Revision: JDK

07/17/08

Estimated Woodcock harvest in the United States, 2003-2007.			
Year	EMR	CMR	US
2003	89,200	213,500	302,600
2004	135,400	366,100	501,500
2005	72,200	225,000	297,200
2006	78,000	232,600	310,600
2007	75,900	214,200	290,000

Year	EMR	CMR	US
2003	89,200	213,500	302,600
2004	135,400	366,100	501,500
2005	72,200	225,000	297,200
2006	78,000	232,600	310,600
2007	75,900	214,200	290,000

All estimates are preliminary

C:\Data Book\Webless species\Woodcock.xls

Revision: JDK

Sheet:

US

07/17/08

Estimated Woodcock hunter days in the United States, 2003-2007.			
Year	EMR	CMR	US
2003	152,300	369,900	522,200
2004	135,400	366,100	501,500
2005	164,200	356,100	520,300
2006	144,200	344,300	488,500
2007	145,000	358,500	503,500

Year	EMR	CMR	US
2003	152,300	369,900	522,200
2004	135,400	366,100	501,500
2005	164,200	356,100	520,300
2006	144,200	344,300	488,500
2007	145,000	358,500	503,500

All estimates are preliminary

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Revision: JDK

Sheet:

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07/17/08