

2007 SPRING POPULATION SURVEYS OF GREATER SNOW GEESE IN SOUTHERN QUÉBEC

Since 1965, Canadian Wildlife Service conducts its annual spring survey on Greater Snow Geese during their migration in southern Québec. This year the survey was carry out on May 6. Five aircrafts were used simultaneously during this day. The preliminary estimate of the size of the 2007 spring population, counted during staging in southern Québec, was 1,019,000 \pm 75,000 geese, almost the same level as last year (1,017,000 \pm 79,000) and at relatively stable level since 1999, the year in which special conservation measures were implemented. Appendix I represent population and productivity estimates from southern Québec from 1965 to 2007.

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**APPENDIX I: GREATER SNOW GOOSE POPULATION AND PRODUCTIVITY
ESTIMATES FROM SOUTHERN QUÉBEC, 1965-2007.**

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	2.30	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	8366,00 ⁵	33.1	17,982	2.52	1,440
1999	1,008,000 ⁵	2.1	20,394	2.09	91
2000	816,500 ⁵	22.7	20,468	2.54	1,302
2001	837,400	27.5	22,106	2.36	1,072
2002	639,300	6.0	18,930	1.91	274
2003	678,000	27.0	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	-	-	-	-

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 brackets for 1998 and 2000 have been corrected to account for flocks not observed during the survey, using data from a telemetry study. The 1999 value is the mean of the correction factors used in 1998 and 2000.