

This study joins others in demonstrating that CBC data may be used to discern long-term change in bird populations. Such patterns usually are revealed through the comparison of several years of published CBC results that are adjusted to take account of annual changes in count

party numbers, duration of time spent afield and distances traveled (Raynor 1975; Bock and Root 1981). This study suggests that evidence of population changes also may be gathered when a single CBC party annually repeats its census along an established route.

Table 1. Mean count of individuals () and number of censuses on which a bird was recorded (n) for species observed on five or more counts during at least one census period. A species is indicated by a plus (+) if its mean count significantly increased or a minus (-) if its mean count significantly decreased from the first to the second census period.

SPECIES	1964-1983 (18 censuses)		1984-2001 (18 censuses)	
	0	n	0	n
Great Blue Heron (+)	0.0	0	0.3	5
Canada Goose (+)	10.3	3	508.9	18
American Black Duck	3.6	13	1.9	10
Mallard	238.1	18	363.3	18
Common Goldeneye	1.2	6	0.2	2
Sharp-shinned Hawk (+)	0.0	0	0.6	9
Cooper's Hawk (+)	0.1	1	0.4	8
Red-tailed Hawk (+)	4.0	17	7.0	18
American Kestrel	4.1	17	4.8	18
Ring-necked Pheasant (-)	5.5	17	0.3	4
Mourning Dove	16.1	16	34.7	18
Belted Kingfisher	0.7	9	0.4	5
Red-bellied Woodpecker (+)	1.0	10	4.8	16
Downy Woodpecker	14.9	18	14.0	18
Hairy Woodpecker	5.2	18	6.1	18
Northern Flicker	0.8	5	0.2	3
Blue Jay	1.7	8	1.3	8
American Crow	105.9	18	143.6	18
Horned Lark (-)	12.8	6	0.0	0
Black-capped Chickadee (+)	42.1	18	56.7	18
White-breasted Nuthatch (+)	3.7	18	5.9	18
Brown Creeper	4.6	17	2.7	13
Golden-crowned Kinglet	1.5	5	0.3	2
American Robin	20.3	13	79.3	15
European Starling	696.8	18	554.1	18
Cedar Waxwing	5.9	4	5.1	8
American Tree Sparrow	71.6	18	30.9	17
Song Sparrow	9.3	18	6.4	17
Swamp Sparrow	0.5	9	0.9	4
White-throated Sparrow (+)	0.2	1	3.3	9
Dark-eyed Junco	111.9	18	96.4	18
Northern Cardinal	36.3	18	42.6	18
Common Grackle (-)	10.2	6	0.1	1
House Finch (+)	0.0	0	10.2	9
American Goldfinch (+)	22.9	18	59.3	18
House Sparrow	76.0	18	93.2	18

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