

Table 4. Numbers of squares reporting possible, probable and confirmed breeding for the first and second Atlases.

No.	Species Name	First Atlas			Second Atlas			% Change	Second Atlas Comments
		POSS	PROB	CONF	POSS	PROB	CONF		
11	Tundra Swan								*The bird was observed in the summer of 2002. The exact date is unknown. It is possible that it was a Trumpeter Swan.
12	Wood Duck	2	4	13	2	4	17	24	
13	Gadwall			2		1		-50	*A pair of birds were observed on May 1, 2003 in 17PH45 . A single bird was observed on July 16, 2004 in 17PH47.
15	American Wigeon			1		1		0	*A pair of birds were observed on May 1, 2003 in 17PH45. Single birds were observed on April 27, 2001 in 17PH59 and June 11, 2002 in 17PH75.
16	American Black Duck	1	1	6	1	3	5	14	
17	Mallard		2	22		1	24	4	
18	Blue-winged Teal		2	9	3	4	4	-27	
20	Northern Shoveler				1		2	NEW	Fledged young were observed on the Vanderliek pond north of Bismark(17PH26) and fledged young were observed on the Lake Erie shore in 17PH64.
23	Green-winged Teal	2	2		2				*A single bird was observed on May 30, 2004 in 17PH35. A single bird was observed in May of 2002 in 17PH44.
25	Redhead			1				LOST	*Confirmed in first atlas but not observed in the second atlas.
34	White-winged Scoter								*A single bird was observed in the old canals near Allenberg north of Highway 20 on July 13, 2003.(17PH47)
41	Hooded Merganser	1			2				*A single bird was observed on June 23 in 17PH47. A single bird was observed on June 20, 2002 at Navy Island (17PH66). A single bird was observed on May 27, 2001 in 17PH48.
42	Common Merganser								*Three birds were observed on a point count on June 20, 2002 at the end of the control weir above Niagara Falls.(17PH57)
43	Red-breasted Merganser								*Navy Island July 2, 2004.(17PH66)
44	Ruddy Duck	1							*Possible in the first atlas but not observed in the second atlas.

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45b	Gray Partridge		2	1				LOSS	Confirmed in one square in the first atlas but not observed in the second atlas. The last birds observed in the region were seen near Sann Road north of the QEW in January of 1988.
46	Ring-necked Pheasant	2	8	14	4	8	7	-32	It is not clear if any of these birds are native or have been released recently.
47a	Chukar								*Observed in 17PH27(2004) and 17PH27(2005). These are presumably released birds and were rejected in the atlas.
47	Ruffed Grouse	2	4	9		9	1	-23	
53	Wild Turkey				2	4	18	Gain	Substantial Increase in Breeding Squares. Turkeys from New York and Vermont were reintroduced by the MNR(AY) into Short Hills Provincial Park (17PH37) in 1986
54	Northern Bobwhite			1	1			LOSS	*A single bird was observed on March 25, 2005 in 17PH55. It was not found on subsequent visits to the area. This bird was confirmed in the first atlas in one square.
57	Common Loon								*A single bird was observed on a point count on June 13, 2003 at Point Abino.(17PH54)
59	Pied-billed Grebe	2	1	3		3	3	50	
76	Double-crested Cormorant			1			3	200	A colony of birds has existed on Mohawk Island for some years (17PH24). Recently (2003) a few birds nested at the mouth of the canal on the west side of the piers (17PH48). Cormorants were first observed nesting on the breakwall at Port Colburne in 2004 (17PH44).
79	American Bittern	3	2	1	3	2		LOSS	*Probable are a calling bird in 17PH35 in 2001 in the breeding season and a calling bird at Mud Lake(17PH45) in 2001 in the breeding season.
80	Least Bittern	2	1	1		1	1	0	Birds bred at Mud Lake (17PH45) and the Glendale Lagoons (17PH47).
81	Great Blue Heron	12		3	12		6	100	Confirmed in 17PH24,25,26,27,37 and 54. Confirmed in three squares in the first atlas.

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82	Great Egret									*Observed in 9 squares. These birds first nested on Motor Island, located on the U.S. side of the Niagara River, in 1995. In 1995 there were two nests. In 2005 there were approximately 20 nests. We searched for, but did not find, evidence of breeding in Region 11.
86	Cattle Egret									*A single bird was observed in a field with cattle just west of the intersection of Regional Road 3 and King Street in 17PH24 in the summer of 2004. A single bird showed up at the same location on June 22, 2005 and a second bird showed up on June 27. The last date either bird was seen was on the morning of July 3. No birds were found in the afternoon or on subsequent dates.
87	Green Heron	6	3	15	6	9	9	0		
88	Black-crowned Night-Her	4		3				2	-33	Colonies have been on the small islands above Niagara Falls for many years. In 2004 birds nested on the breakwall at Port Colburne(17PH44). Double-crested Cormorants pushed them out in 2005.
95	Turkey Vulture	4	12	2	6	12	6	6	29	
96	Osprey									*A single bird was observed on a point count not far from Lake Ontario near Niagara-on-the Lake on May 25, 2005.(17PH59). In 2004 a pair of Osprey built a nest on the feeder canal in Port Maitland just west of Region 11
99	Bald Eagle	1						1	GAIN	A pair of birds nested at the north end of Navy Island (17PH66) in the summer of 2005. According to the MNR(AY) Bald Eagles last nested on Navy Island in 1952.
100	Northern Harrier	4	4	8	6	6	4	4	-17	
101	Sharp-shinned Hawk		2		7	4	9	9	550	Substantial Increase in Breeding Squares
102	Cooper's Hawk				3	3	16	16	Gain	
103	Northern Goshawk									*A single bird was observed on August 1, 2002 in 17PH46. A pair of birds were recorded by MNR in April of 2000 at Ball's Falls(17PH37).

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104	Red-shouldered Hawk	2			2	1	1	Gain	A pair of birds nested in the woodlot on the abandoned firing range in Niagara-on-the Lake(17PH59) for the entire atlas period. A bird was observed for several weeks in 17PH54. A pair of Red-shouldered Hawks were first observed in Fonthill(17PH36) about 1990 when a housing subdivision was set up in an area they had nested in for some years (dates unknown) They last last nested in Fonthill in 1998.
105	Broad-winged Hawk				1				*A single bird was observed in 17PH25 on June 1, 2002. It was not seen on subsequent visits to the square that year.
107	Red-tailed Hawk		3	21	1	3	20		-4
112	American Kestrel	1	3	20	3	5	14		-17
115	Peregrine Falcon						3	Gain	The first nest of these birds in the Niagara Peninsula in many years was below Niagara Falls on the rockface by the Refractory Restaurant in 1998 (17PH57). A pair of birds nested in downtown St. Catharines in 2001. A pair of birds first nested in the grain elevators at the Port Colburne entrance to the Welland canal in 2003 (17PH44). they are still nesting in 2006.
120	Virginia Rail	3	2	3	2	8			60
121	Sora	1	5	2	4	4	4		14
123	Common Moorhen	2	1	4	1		2		-60
124	American Coot	2		4	3		4		0
125	Sandhill Crane				1	1	1	Gain	A pair of birds was observed in 17PH65 in 2001. A pair of these birds was first noted in 1995 in the square. No one has searched for the nest of these birds. During the atlas there were sightings outside the square so it is possible that there is more than one pair in Region 11.
134	Killdeer			24	1	1	23		0
138	Spotted Sandpiper	1	6	17	1	11	13		4
145	Upland Sandpiper		6	10	2	6	4		-38

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172	Wilson's Snipe	2	12	4	4	12	2	-13	
173	American Woodcock		9	11	1	18	4	10	
181	Bonaparte's Gull								*Late dates June 10(17PH24) and June 12(17PH48). On June 15 of 2006 there were 15 birds loafing along the shoreline in 17PH34.
184	Ring-billed Gull			3	1		5	67	Colonies at Mohawk Island (17PH24), the Port Colburne breakwall and the east pair of the Welland canal (17PH44), Lock1 on the Welland Canal(17PH48) and above Niagara Falls on a small island (17PH57). Four pairs nested on a small island below Queenston in 17PH58.
186	Herring Gull	1		2			4	100	Small numbers of breeding birds at the mouth of the Welland canal by Lock 1(17PH48) and the islands in the river above Niagara Falls(17PH57). Larger colonies at Mohawk Island (17PH24) and the Port Colburne breakwall (17PH44).
192	Great Black-backed Gull	1					1	Gain	Single pair nested on the Port Colburne breakwall (17PH44). Observed 1999, 2001 and 2002.
199	Caspian Tern	1					1	not Niagara region	Caspian Terns were present on Mohawk Island (17PH24) during the entire atlas period.
200	Black Tern	1	1	2				LOSS	*Confirmed in the first atlas. Not observed in the breeding months in the second atlas. Last observed breeding at Mud Lake(17PH45) in 1982.
202	Common Tern	2		1			2	100	A colony of Common terns has bred on the Port Colburne breakwall for many years (17PH44). Recently the bulk of the birds have left Port Colburne. A few birds have nested on the breakwall above the control weir on the Niagara River (17PH57)
218	Rock Pigeon		3	22		6	17	-8	
222	Mourning Dove		1	24		3	22	0	
226	Yellow-billed Cuckoo	4	5	3	3	8	3	38	
227	Black-billed Cuckoo	6	8	6	9	6	7	-7	

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229	Barn Owl			2	1			LOSS	*A single bird was observed flying overhead in Port Colburne in July (exact date unknown) 2001.(17PH44). The last known breeding record for this species was an unsuccessful attempt by a pair of Barn Owls to breed just outside of Smithville in 1989. (This is just west of Region 11) It may be in the Niagara region?
230	Eastern Screech-Owl	1	9	13	4	12	8	-9	
231	Great Horned Owl	1	3	20		6	18	4	
237	Long-eared Owl	1	1	3	1	2	1	-25	Confirmed in the Chippewa Creek Conservation Area in 2001(17PH26). A pair of birds was observed in a coniferous woodlot on the Niagara parkway in 2003 (17PH66). A probable breeder was observed on several occasions in 17PH65.
238	Short-eared Owl	1		2		2		LOSS	*A displaying bird was observed in 17PH35 on April 11, 2001. It was not seen on subsequent visits. The fields where it was seen were first cultivated in 2002. This was a site where Short-eared Owls had been present for many years in the winter before the atlas began. They were not seen following the cultivation. In the summer of 2004 birds were observed in 17PH27 and a single bird was observed in April of 2005 in 17PH27. Confirmed in two squares in the first atlas.
240	Northern Saw-whet Owl			1				LOST	*Confirmed in the first atlas but not observed in the second atlas.
242	Common Nighthawk	4	3	6	2	5		-44	*Probable birds were reported from 17PH59 in 2001, 17PH54 and 17PH55 in 2002, 17PH57 in 2003 and 17PH47 in 2004.
245	Whip-poor-will	2	1	2	1	1		-67	*Birds calling in summer of all atlas years in the Wainfleet Bog (17PH35) and in 2004 in 17PH45, a square which also contains a part of the Wainfleet Bog.
247	Chimney Swift	1	8	16	7	6	9	-38	
250	Ruby-throated Hummingbird	1	10	13		12	12	4	
253	Belted Kingfisher	1	5	18	6	6	12	-22	
255	Red-headed Woodpecker		4	20	2	1	10	-54	
256	Red-bellied Woodpecker	1	3	1		5	19	500	Substantial Increase in Breeding Squares
257	Yellow-bellied Sapsucker				2				*A bird was observed on July 11, 2002 in 17PH65. A second bird was observed on June 8, 2005 in 17PH26.

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258	Downy Woodpecker	1	1	23		1	24	4	
259	Hairy Woodpecker		3	21		4	20	0	
262	Northern Flicker			24	1	4	20	0	
263	Pileated Woodpecker		1		3	2	1	200	A pair of these birds have been in Abino Woods (17PH54) for many years. First observed (JEB) winter 1970. A nest with young was found in 2002. A pair of birds was observed in 17PH24 in 2005. A bird was seen on several occasions about 100 meters in from the south end of Townline Road in the Wainfleet Bog (17PH35) from March to May by the MNR in 2005.
266	Eastern Wood-Pewee		4	20	1	9	14	-4	
268	Acadian Flycatcher	1	1		2	1		0	*A single bird was found on June 18, 2001 in 17PH45. It was last found on June 28 and not found after that date. A single bird was found in 17PH47 on June 11 and June 14 of 2003. A single bird was found on June 1, 2005 in 17PH57 and not found a week later when the site was revisited.
269	Alder Flycatcher	1	7	3	4	13		30	* Easily found in suitable habitat.
270	Willow Flycatcher		9	13	1	16	7	5	
271	Least Flycatcher	2	14	3	7	8	4	-29	
274	Eastern Phoebe	2	4	11	1	6	18	60	
278	Great Crested Flycatcher		6	18		13	11	0	
284	Eastern Kingbird			24		3	21	0	
290	White-eyed Vireo		2		1				*A single bird was observed on June 15, 2001 in 17PH54. Calling birds were found north of Biederman Road in 17PH35 for some years following the first atlas. The last known bird was heard in the summer of 1993. It was not heard in 1995(JEB).
293	Yellow-throated Vireo	2	8	2	2	5		-50	*Probable in 17PH26,36,45,46,65
295	Blue-headed Vireo						1		From atlas data I find 17PH34 Blue-headed Vireo CF CONF 1 , but I was not aware of this record until I received my copy of the atlas.
296	Warbling Vireo	2	11	12		12	13	9	
297	Philadelphia Vireo								*A single bird was observed in Paradise Grove, Niagara-on-the-Lake on June 3, 2002. It was not found on subsequent visits.
298	Red-eyed Vireo		7	17	1	10	14	0	

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300	Blue Jay	1		24		1	24	4	
304	American Crow			24		3	22	4	
307	Horned Lark	1	7	16	2	12	9	-9	
308	Purple Martin			25			25	0	
309	Tree Swallow	3		22	1	1	23	9	
311	Northern Rough-winged Swallow		2	21	6	4	15	-17	
312	Bank Swallow	1		17		3	15	6	
313	Cliff Swallow				2	2	8	Gain	Substantial Increase in Breeding Squares
315	Barn Swallow	1		24		1	24	4	
317	Black-capped Chickadee	1		24		4	21	4	
319	Tufted Titmouse	4	3	2	4	5	12	240	Substantial Increase in Breeding Squares
320	Red-breasted Nuthatch	1	1		3	5	3	700	Substantial Increase in Breeding Squares
321	White-breasted Nuthatch		8	16		10	14	0	
322	Brown Creeper	3	3	2	5	3	1	-20	Confirmed in 17PH64.
324	Carolina Wren	2	2	5	2	8	13	200	Substantial Increase in Breeding Squares
326	House Wren			24		2	23	4	
327	Winter Wren	2	2		3	3	2	150	Confirmed in 17PH27,17PH44 and 17PH57. Probable in 17PH24 and 17PH54.
328	Sedge Wren		1	1	1	3		50	*A singing male was observed July 11, 2004 in 17PH24. A visit a week later revealed that the field had been plowed and the bird was not refound. On June 23 and July 7, 2002 a bird was found in 17PH27. It was not refound in subsequent years.. In the summer of 2001 a bird was found repeatedly in 17PH44 and on June 17 and June 24, 2003 a bird was found in 17PH58.
329	Marsh Wren	1	6	4	1	3	3	-40	
330	Golden-crowned Kinglet						1	Gain	Norway Spruce grove in 17PH44 on firelane beside lake between Pinecrest and Weaver. (647395E,4747947N) First observed June 12 then again June 20, 2005. Later in July observed feeding a cowbird on a branch and a young kinglet on the nest. A singing male was present on June 21, 2006 in the woodlot. An abandoned gas pump is at the roadside. The wood runs for 110 meters along the road and extends about 80 meters north of the road at its deepest point. Similar trees are to the west in another grove.
332	Blue-gray Gnatcatcher		7	2	5	3	6	0	

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335	Eastern Bluebird	2	2	6	1		22	175	Substantial Increase in Breeding Squares
338	Veery	1	8	8	6	6	5	-31	
343	Wood Thrush		9	15	1	10	13	-4	
346	American Robin			25			25	0	
348	Gray Catbird		2	23		1	24	0	
349	Northern Mockingbird		5	14	2	4	17	11	
351	Brown Thrasher	1	5	18	4	6	14	-13	
352	European Starling			25			25	0	
356	Cedar Waxwing		10	15	1	8	16	-4	
358	Blue-winged Warbler			1	3	3	3	500	Substantial Increase in Breeding Squares
359	Golden-winged Warbler	1	2			1		-50	*A singing male was first observed on territory on June 20 and June 27, 2002 in 17PH46. The bird was not found in subsequent years in the square.
362	Nashville Warbler		1	1	1	2		0	*Singing males were found in the Wainfleet Bog (17PH25) in all years of the atlas. A single bird was observed in Niagara-on-the Lake on May 23, 2005 carrying nesting material but was not observed subsequently. A single bird was observed on a point count on June 18, 2995 in 17PH37/
364	Northern Parula				1				*A single bird was observed on Navy Island on July 4, 2002.(17PH66). The bird was not observed on a visits on June 25, 2002 and July 31, 2002
365	Yellow Warbler		1	24			25	0	
366	Chestnut-sided Warbler	2			4	5	4	Gain	
367	Magnolia Warbler				1				*A single bird was observed on June 18, 2002 in 17PH46.The bird was not observed one week later when the site was visited.
369	Black-throated Blue Warbler				1	1			*A singing male was found on June 16, 2001 in 17PH27. It was last found on June 24 and not found subsequent to that date. A singing male was found on June 15, 2001 in 17PH54.
372	Black-throated Green W	1			2				*A single bird was observed on June 26, 2003 in 17PH46.
375	Blackburnian Warbler	1							*Possible first atlas but not observed in the breeding months in the second atlas.

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377	Pine Warbler				1					*A single bird was observed on June 9, 2005 at Niagara Shores in Niagara-on -the-Lake. (17PH 59). The bird was not observed on a later visit on June 16, 2002.
379	Prairie Warbler					1				*A singing male was first observed on June 6,2001 in the Wainfleet Bog (17PH35). It was last seen on June 15 and was not found on June 21 and subsequent visits to the square.
382	Blackpoll Warbler									*A single bird was observed on June 13, 2003 in 17PH54. A single bird was observed on June 9, 2003 and again on June 16, 2003 in 17PH65. It was not heard on June 17, 2003.
383	Cerulean Warbler	3	1		2					*A single bird responded to a tape on June 25, 2005 in 17PH24. The bird did not respond one week later.(Not Niagara region) A single bird was heard on July 3 and July 7, 2002 on Abino Hills Road in 17PH54.
384	Black-and-white Warbler				2					*A bird was found June 14, 2001 in 17PH46. Birds were found on June 15, 2001 and June 10, 2002 in 17PH54.
385	American Redstart	2	8	8	3	11	6		6	
389	Ovenbird	5	7	2	6	11			22	*Easily heard in suitable habitat.
390	Northern Waterthrush		1		2					*Single birds were observed on June 9, 2003 in 17PH55 and 17PH56. On a visit a week later to 17PH55 the bird was not found.
391	Louisiana Waterthrush	1	1							*Probable in the first atlas. A search of suitable habitat in the second atlas yielded no birds.
394	Mourning Warbler	2	7	1	2	7	2		13	
396	Common Yellowthroat	1	8	15		9	15		4	
397	Hooded Warbler		1		4	2	7		800	Substantial Increase in Breeding Squares
399	Canada Warbler	3				2				* A single bird was found in 17PH 35 on June 6, 2001 and again on June 15. It was not refound on June 21. 2001. A single bird was found in 17PH44 on June 8, 2005 and again on June 15, 2004. Calling birds were found north of Biederman Road in 17PH35 for some years following the first atlas. The last known bird was heard in the summer of 1993. It was not heard in 1995.

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401	Yellow-breasted Chat		3	1	1	1			-75	*A bird was observed May 28, 2003 and again June 3 in 17PH65. It was not found on subsequent visits to the area. A singing male was observed on June 11, 2005 in 17PH38. It was not found later that day or on subsequent days.
403	Scarlet Tanager	2	12	6	3	12	4		-11	
407	Eastern Towhee	1	13	9	2	10	5		-32	
411	Chipping Sparrow	1		24	1	2	22		0	
414	Field Sparrow	1	6	15	1	13	9		5	
415	Vesper Sparrow		8	15	3	15	3		-22	
419	Savannah Sparrow		1	23	1	5	18		-4	
420	Grasshopper Sparrow	3	3	3	2	1	3		-33	Confirmed in 17PH45 and 17PH46. The area to the east of the Welland canal is ideal habitat for these birds. It was cleared during the building of the current canal and as yet has not been developed in many location so it is open grassland. Confirmed in 17PH57. Probable in 17PH56.
422	Henslow's Sparrow				1					*A single bird was heard on the evening of June 7, 2002 at the intersection of Minor Road and Highway 3 in Port Colburne(17PH45). The bird was not found that evening and attempts to find the bird the following days were unsuccessful. The last known report of this bird in the Niagara region was in 1968 by Harold Lancaster who observed a bird in 1968 by Cement Road pond in 17PH44 about 1 km south of the 2002 sighting.
426	Song Sparrow		1	24		2	23		0	
427	Lincoln's Sparrow			1			1		0	A single nest was found by MNR at the north-east edge of the trees surrounding Wainfleet Bog (17PH45) in 2003.
428	Swamp Sparrow	2	6	7	3	12	4		23	
429	White-throated Sparrow		1							*Probable in first atlas but not observed in the breeding months in the second atlas.
439	Northern Cardinal	1		24		2	23		4	
440	Rose-breasted Grosbeak	1	1	21	1	2	21		5	
444	Indigo Bunting	1	8	16	1	8	15		-4	
448	Bobolink	1	4	18	1	12	11		5	
449	Red-winged Blackbird			25			25		0	

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450	Eastern Meadowlark		3	21		7	16	-4	
455	Common Grackle			25			25	0	
457	Brown-headed Cowbird			25	1	2	22	-4	
458	Orchard Oriole	1	1	3	2	9	4	225	Substantial Increase in Breeding Squares
461	Baltimore Oriole			25			25	0	
466	Purple Finch	1	3	2	3	2		-60	*Dates are June 13, 2003, May 27, 2004 and May 2004 in 17PH54. May 28 or May 29, 2002 in 17PH55. May 27, 2004 in 17PH59 and July 19, 2002 in 17PH65.
468	House Finch	1	4	18		6	19	14	
473	Pine Siskin			1	1	1		0	*A single bird was observed on May 26, 2001 in 17PH57. 4 adult birds were observed on May 1 and May 3, 2004 in 17PH54. A pair of birds were first observed in January of 2005 in 17PH59. The birds were last seen on May 29, 2005. The male was singing in May of 2005.
475	American Goldfinch		5	20		7	18	0	
477	House Sparrow			25			25	0	

