

D

Bird Data (BBA, BBS, CBC) Tables

Table D-1 Bird Species and Their Breeding Status in New York State Breeding Bird Atlas Blocks in the Ball Hill Project Area

Common Name	Listed Species	Block						
		1569A	1570A	1570B	1570C	1570D	1571C	1571D
Canada Goose		C	C	C	C	C	C	C
Mute Swan		-	-	-	-	PR	-	-
Wood Duck		-	PO	-	PO	-	-	C
Mallard		PO	-	PO	PR	-	PR	C
Hooded Merganser		-	-	-	PR	PO	-	-
Common Merganser		-	-	-	-	PO	-	-
Ring-necked Pheasant		-	-	-	-	-	-	PR
Ruffed Grouse		-	-	-	-	-	-	PO
Wild Turkey		-	PO	-	-	PR	PR	C
Great Blue Heron		PO	PO	-	PO	PO	PO	PO
Green Heron		PO	-	PO	-	-	PO	PO
Turkey Vulture		PO	PO	PO	PO	PO	PO	PO
Northern Harrier	T	PO	-	-	-	-	-	-
Cooper's Hawk	SC	PO	-	-	-	-	-	-
Northern Goshawk	SC	-	-	PO	-	-	-	-
Red-shouldered Hawk	SC	-	PO	-	-	-	-	-
Broad-winged Hawk		-	PO	-	-	-	-	-
Red-tailed Hawk		PO	PR	PR	PR	PO	PO	PR
American Kestrel		C	PR	PR	PR	PR	PO	PR
Sora		-	-	-	-	-	-	PO
Killdeer		PR	PR	PO	-	PO	PO	C
Spotted Sandpiper		-	-	-	-	PO	-	PR
American Woodcock		PR	PO	PR	-	PR	-	-
Rock Pigeon		C	C	C	C	PO	-	PR
Mourning Dove		PR	PR	C	PR	PR	PR	C
Black-billed Cuckoo		-	-	-	PO	-	-	-
Yellow-billed Cuckoo		-	-	-	PR	-	-	-
Barred Owl		-	-	-	-	-	-	PR
Chimney Swift		-	PO	PO	-	-	PO	-

Table D-1 Bird Species and Their Breeding Status in New York State Breeding Bird Atlas Blocks in the Ball Hill Project Area

Common Name	Listed Species	Block						
		1569A	1570A	1570B	1570C	1570D	1571C	1571D
Ruby-throated Hummingbird		PR	PR	PR	PO	-	PR	PO
Belted Kingfisher		-	PO	-	PO	PO	-	PO
Red-bellied Woodpecker		-	-	-	-	PO	-	-
Yellow-bellied Sapsucker		PR	PR	-	C	C	-	PO
Downy Woodpecker		PO	PR	PO	PO	PR	PO	C
Hairy Woodpecker		PO	-	PO	PO	PR	-	-
Northern Flicker		PR	PR	PR	PR	C	PO	PR
Pileated Woodpecker		-	PO	-	C	-	-	PO
Eastern Wood-Pewee		PR	PO	PR	PO	PR	PO	PO
Acadian Flycatcher		-	-	-	PR	PR	-	-
Alder Flycatcher		PR	PO	PR	-	PR	-	PO
Willow Flycatcher		PR	PO	PO	PO	-	PR	-
Least Flycatcher		PR	PO	PR	PR	-	-	-
Eastern Phoebe		PR	PR	PO	PR	PR	PO	PR
Great Crested Flycatcher		-	PO	PR	PO	PO	PO	-
Eastern Kingbird		PR	PO	C	PR	PR	PO	PR
Blue-headed Vireo		PR	PO	-	PR	PR	-	-
Warbling Vireo		PR	PR	PR	PR	PR	PO	PO
Red-eyed Vireo		PR	PO	PR	PR	PR	PO	PO
Blue Jay		PR	PR	PR	PR	PR	PR	C
American Crow		C	PR	C	C	C	PR	PR
Horned Lark	SC	PR	-	-	-	-	-	-
Purple Martin		-	C	-	PO	-	-	C
Tree Swallow		C	C	C	C	C	-	C
Northern Rough-winged Swallow		-	-	PO	-	-	PO	PO
Bank Swallow		-	-	-	PO	-	-	-
Cliff Swallow		-	PR	-	-	-	-	-
Barn Swallow		C	C	C	C	C	PR	C

Table D-1 Bird Species and Their Breeding Status in New York State Breeding Bird Atlas Blocks in the Ball Hill Project Area

Common Name	Listed Species	Block						
		1569A	1570A	1570B	1570C	1570D	1571C	1571D
Black-capped Chickadee		PR	PR	PR	PR	PR	PR	PR
Tufted Titmouse		-	PR	PO	PR	C	PO	-
Red-breasted Nuthatch		-	PO	-	-	-	-	-
White-breasted Nuthatch		PO	PR	PR	-	-	PO	-
Carolina Wren		-	PO	-	-	-	-	-
House Wren		PR	PR	PR	C	PR	PR	C
Golden-crowned Kinglet		-	-	PO	-	-	-	-
Eastern Bluebird		PO	C	-	PR	PR	C	C
Veery		PO	PR	PR	PO	PR	PO	PO
Wood Thrush		PR	PR	PO	PR	PR	PR	PR
American Robin		C	C	PR	C	C	C	C
Gray Catbird		PR	PR	C	PR	C	PR	PR
Northern Mockingbird		-	-	-	-	-	PO	-
Brown Thrasher		-	PR	PO	-	-	-	PO
European Starling		C	C	C	C	C	C	C
Cedar Waxwing		PR	PR	PR	PO	PO	PR	PR
Blue-winged Warbler		-	PR	PO	PR	PR	-	-
Yellow Warbler		PR	C	PO	PR	C	PR	PR
Chestnut-sided Warbler		PR	PR	C	-	PR	PO	PO
Magnolia Warbler		-	PR	PO	PO	PR	-	-
Yellow-rumped Warbler		-	PR	PR	PO	-	-	-
Black-throated Green Warbler		-	PO	-	PR	PO	-	-
Blackburnian Warbler		-	-	PO	PO	PO	-	-
American Redstart		PR	PR	C	PR	PR	PO	PR
Ovenbird		PR	PO	PR	PO	PO	-	PR
Northern Waterthrush		-	-	-	PO	-	-	-
Mourning Warbler		PO	-	PR	PO	PR	-	-
Common Yellowthroat		PR	PR	C	PR	PR	PO	PR
Hooded Warbler		PR	PR	PR	PR	C	PO	PO

Table D-1 Bird Species and Their Breeding Status in New York State Breeding Bird Atlas Blocks in the Ball Hill Project Area

Common Name	Listed Species	Block						
		1569A	1570A	1570B	1570C	1570D	1571C	1571D
Canada Warbler		-	-	-	PO	PO	-	-
Scarlet Tanager		PR	PR	PO	PO	PR	PO	PO
Eastern Towhee		PR	PR	PR	PO	-	-	-
Chipping Sparrow		C	PR	C	PR	PR	PO	PR
Field Sparrow		-	PR	PR	PO	PR	PR	PO
Savannah Sparrow		PR	PR	C	PO	-	-	PR
Song Sparrow		PR	PR	C	PR	C	PR	PR
Swamp Sparrow		PR	PR	-	PR	PR	-	-
White-throated Sparrow		-	-	-	-	-	-	PO
Dark-eyed Junco		-	PR	-	PR	PR	PR	-
Northern Cardinal		PR	PR	PR	PR	PR	PR	PR
Rose-breasted Grosbeak		PR	PR	PR	PR	PR	PO	PO
Indigo Bunting		PR	PR	C	PR	PR	PO	PO
Bobolink		C	PR	C	PO	PR	PO	PR
Red-winged Blackbird		C	PR	PO	C	C	PR	PR
Eastern Meadowlark		PR	PR	PR	-	PR	PR	PR
Common Grackle		C	PR	C	PR	C	C	C
Brown-headed Cowbird		PR	PR	PO	PO	PR	PO	PR
Baltimore Oriole		PR	PO	C	PO	PR	PR	C
Purple Finch		PR	PO	PO	PR	-	PO	PO
House Finch		PR	PR	-	-	PO	C	C
American Goldfinch		PR	PR	PR	PR	PR	PO	PR
House Sparrow		C	C	C	C	C	C	C

Table D-1 Bird Species and Their Breeding Status in New York State Breeding Bird Atlas Blocks in the Ball Hill Project Area

Common Name	Listed Species	Block						
		1569A	1570A	1570B	1570C	1570D	1571C	1571D
Number of Species Reported as								
Possible Breeders		13	24	23	29	17	32	24
Probable Breeders		42	47	28	36	40	21	27
Confirmed Breeders		13	10	20	12	16	7	19
Species Total		68	81	71	77	73	60	70
Collective Species Total	109							

Source: New York State Breeding Bird Atlas 2000

Key :

- C = Confirmed.
- E = Endangered (NY).
- PO = Possible.
- PR = Probable.
- SC = Special Concern (NY).
- T = Threatened (NY).

Table D-2 Bird Species Recorded During Cattaraugus, Randolph, Sheridan, and Nashville Breeding Bird Surveys

Common Name	Listed	Birds per Route			
	Species	Cattaraugus	Randolph	Sheridan	Nashville
Canada Goose		7.19	0.81	-	3.15
Wood Duck		1.28	0.16	0.19	0.09
American Black Duck		-	0.03	0.06	-
Mallard		1.31	0.38	1.03	1.62
Blue-winged Teal		0.06	-	0.06	-
Hooded Merganser		0.25	-	-	-
Common Merganser		0.06	-	-	0.03
Ring-necked Pheasant		0.03	0.03	0.59	0.94
Ruffed Grouse		0.09	0.05	0.03	0.09
Wild Turkey		0.53	1.24	0.34	0.53
American Bittern	SC	0.22	0.03	-	0.03
Great Blue Heron		1.78	1.62	1.50	1.29
Green Heron		0.66	0.62	0.56	0.62
Black-crowned Night Heron		-	-	0.06	-
Turkey Vulture		0.19	0.78	0.53	0.85
Northern Harrier	T	-	0.16	0.09	0.09
Sharp-shinned Hawk	SC	0.09	0.05	0.06	0.06
Cooper's Hawk	SC	0.19	0.08	-	0.09
Northern Goshawk	SC	0.03	-	-	-
Red-shouldered Hawk	SC	0.19	0.57	0.19	0.21
Broad-winged Hawk		-	0.05	0.06	-
Red-tailed Hawk		0.94	0.89	1.00	0.56
American Kestrel		1.09	0.57	1.00	1.18
Virginia Rail		-	0.03	-	-
Sora		0.03	0.03	-	-
Killdeer		5.69	5.54	6.47	8.91
Spotted Sandpiper		0.28	0.14	0.06	0.35
Upland Sandpiper	T	0.03	0.14	1.28	0.32
Wilson's Snipe		0.03	0.24	-	0.15
American Woodcock		0.09	-	0.03	0.24
Ring-billed Gull		-	0.08	1.56	2.38
Rock Pigeon		12.78	26.24	13.06	14.47
Mourning Dove		15.16	13.41	16.03	19.32
Black-billed Cuckoo		1.50	1.11	0.75	0.38
Yellow-billed Cuckoo		0.41	0.14	0.28	0.41
Eastern Screech-Owl		0.09	-	-	0.09

Table D-2 Bird Species Recorded During Cattaraugus, Randolph, Sheridan, and Nashville Breeding Bird Surveys

Common Name	Listed	Birds per Route			
	Species	Cattaraugus	Randolph	Sheridan	Nashville
Great Horned Owl		0.03	-	0.03	0.15
Barred Owl		0.06	0.57	-	-
Chimney Swift		3.72	2.11	3.56	0.79
Ruby-throated Hummingbird		0.63	0.46	0.16	0.62
Belted Kingfisher		1.03	0.49	0.31	0.82
Red-headed Woodpecker	SC	-	0.14	0.09	0.21
Red-bellied Woodpecker		-	-	-	0.21
Yellow-bellied Sapsucker		0.69	0.97	0.16	0.09
Downy Woodpecker		1.75	1.38	2.13	0.85
Hairy Woodpecker		0.38	0.24	0.25	0.12
Northern Flicker		3.78	2.11	2.44	2.79
Pileated Woodpecker		0.16	0.24	0.19	0.09
Eastern Wood-Pewee		1.31	2.62	3.41	2.50
Acadian Flycatcher		0.06	0.24	-	-
Alder Flycatcher		1.22	0.84	0.75	0.18
Willow Flycatcher		1.72	1.11	3.19	5.35
Least Flycatcher		3.50	2.41	2.59	2.82
Eastern Phoebe		4.75	3.68	2.31	2.91
Great Crested Flycatcher		2.00	2.16	3.25	1.76
Eastern Kingbird		4.00	2.35	4.97	3.12
Yellow-throated Vireo		-	0.03	0.03	0.15
Blue-headed Vireo		0.50	0.81	0.03	0.03
Warbling Vireo		1.53	1.35	2.16	5.38
Red-eyed Vireo		10.91	14.11	11.44	10.12
Blue Jay		7.81	6.54	6.84	4.26
American Crow		53.34	42.81	46.25	37.47
Common Raven		0.09	-	-	-
Horned Lark	SC	0.13	1.08	0.06	0.47
Purple Martin		0.16	2.70	1.09	10.79
Tree Swallow		3.16	2.16	2.16	3.38
Northern Rough-winged Swallow		0.50	0.22	0.72	0.50
Bank Swallow		0.66	5.24	0.34	7.74
Cliff Swallow		1.97	5.19	1.09	3.76
Barn Swallow		29.44	21.73	18.47	26.09
Black-capped Chickadee		6.00	6.70	4.13	4.21
Tufted Titmouse		0.06	0.32	-	0.18

Table D-2 Bird Species Recorded During Cattaraugus, Randolph, Sheridan, and Nashville Breeding Bird Surveys

Common Name	Listed	Birds per Route			
	Species	Cattaraugus	Randolph	Sheridan	Nashville
Red-breasted Nuthatch		0.28	0.08	-	0.03
White-breasted Nuthatch		0.63	0.62	0.53	0.76
Brown Creeper		0.13	0.16	0.13	-
Carolina Wren		0.03	0.05	-	-
House Wren		8.69	7.86	12.50	9.88
Winter Wren		0.09	0.05	0.06	-
Sedge Wren	T	-	-	-	0.03
Marsh Wren		0.03	0.08	-	-
Golden-crowned Kinglet		0.06	0.24	0.31	-
Blue-gray Gnatcatcher		0.25	0.05	0.03	0.06
Eastern Bluebird		0.78	1.27	0.63	1.15
Veery		1.13	7.46	2.44	1.79
Swainson's Thrush		0.03	0.14	-	-
Hermit Thrush		0.34	1.41	0.03	0.79
Wood Thrush		10.19	11.27	10.75	9.44
American Robin		64.94	53.03	91.88	69.91
Gray Catbird		10.16	7.65	15.59	10.62
Northern Mockingbird		0.03	-	-	-
Brown Thrasher		0.69	1.46	2.00	1.29
European Starling		93.59	77.84	100.84	90.71
Cedar Waxwing		18.44	14.70	8.56	7.32
Blue-winged Warbler		1.69	1.16	1.31	0.47
Golden-winged Warbler	SC	-	0.05	-	0.03
Nashville Warbler		-	0.14	0.09	-
Yellow Warbler		25.56	15.65	22.44	19.62
Chestnut-sided Warbler		3.41	4.27	1.69	0.74
Magnolia Warbler		0.53	3.24	0.38	-
Black-throated Blue Warbler		0.31	-	-	-
Yellow-rumped Warbler		0.31	0.46	0.03	0.09
Black-throated Green Warbler		0.78	0.54	0.97	0.44
Blackburnian Warbler		1.97	3.41	0.25	-
Black-and-white Warbler		0.03	0.03	-	-
American Redstart		2.00	2.73	2.47	0.29
Ovenbird		2.25	5.41	2.53	2.06
Northern Waterthrush		-	-	0.03	0.03
Louisiana Waterthrush		0.03	0.24	-	-
Mourning Warbler		2.00	2.41	1.53	0.79

Table D-2 Bird Species Recorded During Cattaraugus, Randolph, Sheridan, and Nashville Breeding Bird Surveys

Common Name	Listed	Birds per Route			
	Species	Cattaraugus	Randolph	Sheridan	Nashville
Common Yellowthroat		17.47	15.59	16.56	11.56
Hooded Warbler		0.69	0.68	0.47	0.18
Canada Warbler		0.06	1.22	0.69	-
Yellow-breasted Chat	SC	-	-	0.03	-
Scarlet Tanager		2.03	2.38	1.75	1.50
Eastern Towhee		3.53	2.97	4.38	2.41
Chipping Sparrow		16.91	13.22	14.59	10.97
Clay-colored Sparrow		0.13	-	-	-
Field Sparrow		6.66	3.84	12.69	6.32
Vesper Sparrow	SC	1.22	0.92	0.16	0.85
Savannah Sparrow		9.63	15.16	20.34	12.12
Grasshopper Sparrow	SC	0.44	0.19	1.06	0.71
Henslow's Sparrow	T	-	0.03	0.47	0.56
Song Sparrow		36.88	36.73	53.06	46.44
Swamp Sparrow		1.72	3.62	-	0.41
Dark-eyed Junco		1.50	4.51	1.66	0.18
Northern Cardinal		3.53	5.86	4.38	4.09
Rose-breasted Grosbeak		2.38	4.19	4.78	2.85
Indigo Bunting		11.22	10.78	9.59	4.21
Bobolink		5.13	15.97	20.97	15.68
Red-winged Blackbird		106.38	92.19	167.75	101.74
Eastern Meadowlark		5.59	7.19	15.81	14.00
Common Grackle		39.50	30.76	52.56	43.91
Brown-headed Cowbird		4.88	7.32	9.31	6.65
Baltimore Oriole		5.88	4.62	6.88	4.76
Purple Finch		1.00	1.19	1.06	0.26
House Finch		3.69	3.68	3.72	2.65
Red Crossbill		-	0.05	-	-
American Goldfinch		16.22	19.76	21.16	21.79
House Sparrow		12.91	36.68	38.28	53.62

Source: Sauer et al. 2008.

Key:

- E = Endangered (NY).
- SC = Species of Special Concern (NY).
- T = Threatened (NY).

Table D-3 Species Recorded During the Last 11 Years of the Dunkirk-Fredonia Christmas Bird Count (1997-2007)¹

Common Name	Listed Species	Year											Grand Total
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Snow Goose		-	-	-	-	-	2	-	-	-	-	-	2
Canada Goose		2,046	847	939	1,625	3,280	477	593	365	1,136	1,439	1,510	12,897
Mute Swan		-	-	-	-	6	-	-	-	-	-	-	6
Trumpeter Swan		-	-	-	-	-	1	-	-	-	-	-	1
Tundra Swan		12	-	-	-	245	3	-	-	-	-	-	260
Wood Duck		-	1	-	-	-	-	-	-	-	-	-	1
Gadwall		-	1	-	-	13	-	-	-	-	-	-	14
American Black Duck		57	1	4	51	53	4	7	13	14	-	33	237
Mallard		492	140	409	163	401	249	202	152	45	49	457	2,759
Northern Shoveler		-	-	-	-	-	-	-	2	-	-	-	2
Green-winged Teal		1	-	-	-	2	-	-	-	-	-	-	3
Canvasback		15	2	3	51	5	28	1	14	20	1	8	148
Redhead		7	1	4	20	11	-	-	-	2	-	28	73
Ring-necked Duck		-	-	-	-	-	-	-	-	1	2	-	3
Greater Scaup		5	3	3	58	-	15	4	4	35	10	35	172
Lesser Scaup		-	-	-	2	6	-	-	1	-	1	57	67
Harlequin Duck		2	-	-	-	-	-	-	-	-	-	-	2
Long-tailed Duck		-	-	-	-	-	-	-	-	-	-	-	2
Bufflehead		66	130	90	129	41	29	44	31	19	26	57	662
Common Goldeneye		61	14	116	12	19	1	-	5	3	6	2	239
Hooded Merganser		11	4	2	14	39	21	45	4	17	27	54	238
Common Merganser		84	466	41	49	25	46	41	15	63	29	90	949
Red-breasted Merganser		20	17	12	45	-	6	12	3	-	7	2	124
Ruddy Duck		1	-	-	-	6	2	-	-	2	2	-	13
Ring-necked Pheasant		-	-	2	-	1	0	1	1	-	5	-	10

Table D-3 Species Recorded During the Last 11 Years of the Dunkirk-Fredonia Christmas Bird Count (1997-2007)¹

Common Name	Listed Species	Year											Grand Total
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Wild Turkey		94	75	26	23	14	100	58	98	173	49	-	710
Common Loon	SC	-	-	-	-	1	-	1	-	-	-	-	2
Pied-billed Grebe	T	9	1	8	2	2	3	6	8	3	1	1	44
Horned Grebe		9	1	1	8	1	4	3	1	2	5	19	54
Eared Grebe		-	-	-	-	-	0	-	-	-	-	-	0
Double-crested Cormorant		-	4	65	80	189	66	98	138	81	139	78	938
Great Blue Heron		-	-	1	1	8	-	1	1	3	-	2	17
Black-crowned Night-Heron		-	-	-	-	-	-	-	0	-	-	-	0
Osprey	SC	-	-	-	-	1	-	-	-	-	-	-	1
Bald Eagle	T	-	-	-	-	-	-	-	-	-	1	1	2
Northern Harrier	T	-	1	-	-	-	-	-	-	-	-	-	1
Sharp-shinned Hawk	SC	5	3	5	3	4	0	1	2	1	-	1	25
Cooper's Hawk	SC	0	-	0	2	1	0	3	2	6	1	2	17
Northern Goshawk	SC	-	-	0	-	-	-	-	-	-	-	-	0
Red-shouldered Hawk	SC	-	-	-	-	-	-	-	-	-	-	2	2
Red-tailed Hawk		14	15	20	20	11	9	34	33	9	24	5	194
Rough-legged Hawk		2	4	-	2	-	2	1	-	-	3	-	14
American Kestrel		1	3	5	3	3	3	6	1	1	4	-	30
American Coot		43	80	92	64	117	58	18	39	26	119	-	656
Sandhill Crane		-	-	-	-	12	-	-	-	-	-	-	12
Laughing Gull		-	-	-	-	0	-	-	-	-	-	-	0
Little Gull		0	-	-	-	-	-	-	-	-	-	-	0
Bonaparte's Gull		799	600	8	0	207	3	19	-	3	5	780	2,424
Ring-billed Gull		1,204	2,017	1,773	3,350	2,746	2,180	1,054	390	1,388	336	987	17,425
Herring Gull		18	40	27	32	42	48	18	30	69	10	16	350

Table D-3 Species Recorded During the Last 11 Years of the Dunkirk-Fredonia Christmas Bird Count (1997-2007)¹

Common Name	Listed Species	Year											Grand Total
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Glaucous Gull		-	0	-	-	-	-	-	-	-	-	-	0
Great Black-backed Gull		31	89	47	94	56	51	53	50	94	72	173	810
Rock Pigeon		193	186	108	154	117	248	321	257	266	181	11	2,042
Mourning Dove		117	174	137	178	98	126	226	94	87	96	121	1,454
Eastern Screech-Owl		-	-	-	1	-	-	-	-	-	-	-	1
Great Horned Owl		-	3	4	0	-	2	-	1	2	-	-	12
Barred Owl		-	-	-	1	-	-	-	-	-	-	-	1
Belted Kingfisher		2	-	1	-	-	0	-	1	-	0	1	5
Red-bellied Woodpecker		1	5	2	8	9	5	9	7	8	8	15	77
Yellow-bellied Sapsucker		-	1	-	-	-	0	-	-	-	-	-	1
Downy Woodpecker		29	27	21	46	27	26	23	28	30	25	29	311
Hairy Woodpecker		8	4	6	7	8	8	5	11	10	7	4	78
Northern Flicker		3	0	12	8	7	7	3	2	2	4	8	56
Pileated Woodpecker		2	1	2	2	-	2	1	2	2	-	-	14
Northern Shrike		1	-	2	3	-	1	3	3	-	-	-	13
Blue Jay		47	103	57	213	58	86	62	49	41	62	33	811
American Crow		401	307	254	323	92	205	284	240	627	374	175	3,282
Horned Lark	SC	-	5	-	-	-	-	-	-	-	-	-	5
Black-capped Chickadee		98	111	141	95	58	49	107	112	156	105	78	1,110
Tufted Titmouse		11	8	17	11	16	8	13	16	13	9	22	144
Red-breasted Nuthatch		2	4	12	2	13	3	11	9	1	1	16	74
White-breasted Nuthatch		20	9	21	15	18	13	23	20	25	11	20	195
Carolina Wren		-	1	0	0	1	-	1	1	1	1	-	6
Golden-crowned Kinglet		16	-	-	2	-	0	-	3	-	3	-	24
Eastern Bluebird		-	0	29	13	6	3	8	6	0	10	35	110
Hermit Thrush		-	1	-	-	0	-	-	-	-	-	-	1

Table D-3 Species Recorded During the Last 11 Years of the Dunkirk-Fredonia Christmas Bird Count (1997-2007)¹

Common Name	Listed Species	Year											Grand Total
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
American Robin		-	490	265	11	24	59	31	35	2	23	1	941
Northern Mockingbird		-	-	1	0	-	-	-	-	-	-	-	1
Brown Thrasher		-	1	-	-	-	-	-	-	-	-	-	1
European Starling		1,085	794	2,253	413	695	439	1,559	909	1,058	1,082	3,956	14,243
American Pipit		-	0	-	-	-	-	-	-	-	-	-	0
Cedar Waxwing		80	9	19	25	8	1	5	90	-	-	130	367
Yellow-rumped Warbler		-	-	2	-	1	10	-	-	-	-	-	13
Pine Warbler		-	-	-	1	-	-	-	-	-	-	-	1
Eastern Towhee		-	1	-	-	-	1	-	-	1	-	-	3
American Tree Sparrow		82	192	45	133	64	37	25	27	34	45	40	724
Chipping Sparrow		-	-	-	-	1	-	-	-	-	-	2	3
Field Sparrow		2	-	-	-	-	-	-	-	-	-	-	2
Song Sparrow		25	10	0	6	2	2	1	2	1	1	2	52
White-throated Sparrow		33	38	0	30	32	10	7	3	16	5	4	178
White-crowned Sparrow		-	7	4	13	6	2	2	-	1	2	3	40
Dark-eyed Junco		197	306	158	226	144	111	107	171	103	50	98	1,671
Snow Bunting		1	1	-	-	-	-	-	-	-	-	-	2
Northern Cardinal		45	71	15	109	80	22	25	40	28	19	27	481
Red-winged Blackbird		-	1	-	-	-	-	-	-	-	3	-	4
Common Grackle		-	-	2	-	-	-	1	-	-	-	-	3
Brown-headed Cowbird		-	5	-	-	1	-	-	0	-	-	0	6
Purple Finch		-	-	-	1	-	6	-	0	0	-	2	9
House Finch		168	318	146	155	307	85	34	48	51	17	109	1,438
Common Redpoll		-	-	4	-	0	-	-	-	-	-	23	27
Pine Siskin		-	-	1	-	-	-	-	-	-	-	3	4
American Goldfinch		21	23	38	65	34	22	87	38	33	17	61	439

Table D-3 Species Recorded During the Last 11 Years of the Dunkirk-Fredonia Christmas Bird Count (1997-2007)¹

Common Name	Listed Species	Year											Grand Total	
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007		
Evening Grosbeak		8	-	-	-	-	-	-	-	-	-	-	-	8
House Sparrow		202	233	207	157	156	198	119	240	162	49	102	1,825	
Total Birds		8,009	8,010	7,689	8,330	9,651	5,208	5,427	3,868	5,977	4,583	9,523	76,275	
Species Total		58	65	62	62	65	64	55	59	55	55	59	104	

Source: National Audubon Society 2007

Note :

¹ Zeros in the table indicate that a species was observed during the week of the Christmas Bird Count but not officially observed on the day of the count.

Key:

- E = Endangered (NY).
- SC = Special Concern (NY).
- T = Threatened (NY).

Table D-4 Species Recorded During the Last 11 Years of the Jamestown Christmas Bird Count (1996-2007, Excluding 2002 When Surveys were not Conducted)

Common Name	Listed Species	Year											Grand Total
		1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	
Canada Goose		2,077	651	2,917	1,819	809	1,591	1,586	913	678	1,375	749	15,165
Mute Swan		-	-	-	-	-	-	-	2	-	-	-	2
Trumpeter Swan		-	-	-	-	-	-	-	-	1	-	-	1
Tundra Swan		47	21	38	137	6	23	120	89	63	238	-	782
Wood Duck		4	3	6	6	1	3	2	0	5	2	1	33
Gadwall		-	-	59	65	7	105	-	1	-	2	-	239
American Wigeon		1	-	8	25	-	50	-	4	-	2	-	90
American Black Duck		12	48	37	15	9	18	36	5	18	11	7	216
Mallard		1,007	767	1,032	731	597	823	596	437	947	632	594	8,163
Northern Shoveler		-	-	25	20	-	36	16	12	-	40	-	149
Northern Pintail		-	1	11	-	-	1	4	0	-	18	-	35
Green-winged Teal		-	2	6	1	1	8	-	-	-	-	-	18
Canvasback		5	3	3	6	-	2	-	-	1	50	-	70
Redhead		20	1	1	230	-	-	-	-	10	458	-	720
Ring-necked Duck		-	3	13	4	-	64	2	32	7	48	-	173
Greater Scaup		1	40	2	12	-	10	-	-	5	81	-	151
Lesser Scaup		75	2	-	-	-	-	-	10	-	241	-	328
Surf Scoter		-	-	1	-	-	-	-	-	-	-	-	1
Long-tailed Duck		-	-	-	1	-	-	-	-	1	-	-	2
Bufflehead		8	20	125	42	16	88	45	24	2	55	13	438
Common Goldeneye		6	38	327	192	117	201	326	49	48	618	22	1,944
Hooded Merganser		5	6	1,609	367	32	1,105	7	414	13	584	14	4,156
Common Merganser		421	9	2,215	731	340	1,551	51	143	9	1,002	39	6,511
Red-breasted Merganser		-	-	-	60	-	3	3	1	-	-	-	67

Table D-4 Species Recorded During the Last 11 Years of the Jamestown Christmas Bird Count (1996-2007, Excluding 2002 When Surveys were not Conducted)

Common Name	Listed Species	Year											Grand Total
		1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	
Ruddy Duck		-	1	1	180	-	10	2	-	6	105	1	306
Ring-necked Pheasant		2	6	9	10	4	0	4	6	7	2	7	57
Ruffed Grouse		3	4	3	-	2	1	-	2	2	-	-	17
Wild Turkey		40	49	48	70	14	82	158	79	60	5	122	727
Common Loon	SC	0	-	4	-	-	-	-	1	-	0	-	5
Pied-billed Grebe	T	-	23	2	6	2	27	-	1	2	4	-	67
Horned Grebe		-	-	2	-	-	-	-	1	-	2	-	5
Double-crested Cormorant		-	-	-	-	-	1	-	-	-	-	-	1
Great Blue Heron		18	19	18	11	5	7	1	5	5	13	4	106
Turkey Vulture		-	-	-	-	-	-	-	-	-	1	-	1
Bald Eagle	T	0	1	1	-	0	-	1	0	0	7	2	12
Northern Harrier	T	-	2	2	1	2	2	-	-	-	1	-	10
Sharp-shinned Hawk	SC	8	6	7	3	3	3	3	1	4	3	2	43
Cooper's Hawk	SC	5	9	8	5	2	5	2	3	7	1	1	48
Red-shouldered Hawk	SC	-	1	2	-	-	-	2	2	2	-	1	10
Red-tailed Hawk		50	121	94	50	42	88	32	25	60	42	22	626
Rough-legged Hawk		23	21	7	6	8	3	5	9	12	4	2	100
American Kestrel		5	22	17	8	7	14	10	3	6	12	7	111
Merlin		-	-	-	-	-	-	-	-	1	1	1	3
American Coot		3	7	1,872	862	32	1,918	6	126	30	482	1	5,339
Killdeer		-	-	1	-	-	2	-	-	1	3	-	7
Wilson's Snipe		-	-	1	4	2	1	-	-	3	-	-	11
American Woodcock		-	-	-	-	-	0	-	-	-	-	-	0
Bonaparte's Gull		-	-	35	17	-	53	-	35	-	4	-	144

Table D-4 Species Recorded During the Last 11 Years of the Jamestown Christmas Bird Count (1996-2007, Excluding 2002 When Surveys were not Conducted)

Common Name	Listed Species	Year											Grand Total
		1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	
Mew Gull		-	1	-	-	-	-	-	-	-	-	-	1
Ring-billed Gull		249	636	3,423	2,291	419	6,611	301	1,111	96	2,126	299	17,562
California Gull		1	-	-	-	-	-	-	-	-	-	-	1
Herring Gull		45	50	83	163	42	84	12	200	16	50	4	749
Great Black-backed Gull		5	12	14	5	-	1	3	0	-	0	-	40
Rock Pigeon		407	1,403	1,635	1,508	686	1,874	393	367	573	527	682	10,055
Mourning Dove		465	637	1,028	295	305	880	450	288	299	289	316	5,252
Eastern Screech-Owl		3	5	6	7	2	8	7	7	9	13	1	68
Great Horned Owl		4	6	11	3	5	8	4	6	6	3	3	59
Barred Owl		4	1	1	2	-	-	-	1	1	3	1	14
Short-eared Owl	E	-	-	-	-	-	-	1	-	1	1	-	3
Northern Saw-whet Owl		-	-	-	-	-	-	3	-	1	1	-	5
Belted Kingfisher		4	7	2	5	2	7	2	1	3	8	2	43
Red-headed Woodpecker	SC	-	-	-	1	-	-	-	-	-	-	-	1
Red-bellied Woodpecker		3	11	3	4	-	12	12	13	9	4	7	78
Downy Woodpecker		117	123	73	55	44	115	59	82	73	58	49	848
Hairy Woodpecker		18	37	14	7	4	24	16	17	24	13	15	189
Northern Flicker		4	9	4	6	5	18	2	-	4	4	3	59
Pileated Woodpecker		5	9	7	4	1	11	1	5	6	5	2	56
Northern Shrike		2	3	4	3	1	3	7	5	1	3	-	32
Blue Jay		353	455	294	77	183	294	164	96	316	247	137	2,616
American Crow		2,398	1,498	1,158	3,757	1,213	1,223	698	1,131	5,000	1,996	4,217	24,289

Table D-4 Species Recorded During the Last 11 Years of the Jamestown Christmas Bird Count (1996-2007, Excluding 2002 When Surveys were not Conducted)

Common Name	Listed Species	Year											Grand Total
		1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	
Common Raven		-	-	-	-	-	-	-	-	-	1	-	1
Horned Lark	SC	6	19	6	60	7	40	-	-	-	-	9	147
Black-capped Chickadee		426	570	556	304	273	510	300	339	444	433	287	4,442
Tufted Titmouse		15	54	24	20	9	34	39	35	33	21	49	333
Red-breasted Nuthatch		5	21	7	8	1	10	11	8	14	5	14	104
White-breasted Nuthatch		57	127	57	74	33	99	51	56	78	58	59	749
Brown Creeper		6	7	7	1	6	6	3	2	3	6	1	48
Carolina Wren		2	3	3	3	6	5	5	8	9	4	12	60
Winter Wren		1	-	-	1	1	-	1	-	0	-	-	4
Golden-crowned Kinglet		4	16	15	11	14	11	6	6	18	17	7	125
Ruby-crowned Kinglet		-	-	1	-	-	-	-	-	-	-	-	1
Eastern Bluebird		4	19	11	10	6	38	3	-	15	12	7	118
American Robin		5	22	70	32	5	35	23	5	19	11	22	249
Gray Catbird		1	1	-	-	-	-	-	-	1	-	-	3
Northern Mockingbird		1	1	-	-	-	1	-	-	2	1	-	6
Brown Thrasher		-	-	-	1	-	-	-	-	-	-	-	1
European Starling		2,631	3,445	3,296	5,320	2,394	2,862	726	664	1,341	1,333	799	24,811
American Pipit		-	-	-	-	1	-	1	1	-	-	-	3
Cedar Waxwing		31	483	77	30	0	410	139	24	17	54	175	1,440
Yellow-rumped Warbler		1	-	-	-	-	2	-	-	-	-	-	3
Eastern Towhee		3	-	-	-	-	-	-	-	-	-	-	3
American Tree Sparrow		64	165	168	86	39	31	164	218	230	59	172	1,396

Table D-4 Species Recorded During the Last 11 Years of the Jamestown Christmas Bird Count (1996-2007, Excluding 2002 When Surveys were not Conducted)

Common Name	Listed Species	Year											Grand Total
		1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	
Field Sparrow		-	-	-	-	-	-	-	-	4	-	-	4
Fox Sparrow		-	-	-	-	-	-	-	-	1	1	-	2
Song Sparrow		10	12	6	3	5	4	23	9	34	1	11	118
Swamp Sparrow		4	1	-	-	-	-	2	-	-	-	2	9
White-throated Sparrow		24	47	14	2	7	35	38	29	61	7	20	284
White-crowned Sparrow		1	-	-	-	-	-	3	-	1	0	1	6
Dark-eyed Junco		315	476	383	61	237	348	468	-	405	146	337	3,176
Snow Bunting		0	16	1	12	70	-	-	-	-	-	116	215
Northern Cardinal		129	146	109	58	82	78	160	193	161	48	158	1,322
Red-winged Blackbird		-	3	5	-	3	43	20	-	2	8	-	84
Eastern Meadowlark		3	-	-	-	-	-	-	-	-	-	-	3
Rusty Blackbird		1	-	1	-	-	-	-	-	-	-	-	2
Common Grackle		9	-	-	1	1	-	5	-	-	1	12	29
Brown-headed Cowbird		-	11	2	72	-	0	28	29	85	-	35	262
Purple Finch		0	3	1	2	-	2	1	9	1	12	4	35
House Finch		552	726	249	308	211	520	226	266	185	61	91	3,395
Common Redpoll		16	-	-	10	-	-	-	-	-	-	4	30
Pine Siskin		-	-	-	-	-	13	1	-	5	-	-	19
American Goldfinch		109	171	108	131	100	304	292	234	128	51	194	1,822

Table D-4 Species Recorded During the Last 11 Years of the Jamestown Christmas Bird Count (1996-2007, Excluding 2002 When Surveys were not Conducted)

Common Name	Listed Species	Year											Grand Total
		1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	
Evening Grosbeak		1	17	-	-	-	-	-	-	-	-	-	18
House Sparrow		834	941	620	485	289	754	543	357	472	462	251	6,008
Grand Total		13,204	14,333	24,126	20,996	8,772	25,267	8,437	8,257	12,223	14,313	10,201	160,129
Total Species		78	77	82	78	64	78	71	69	79	82	63	113

Source: National Audubon Society 2007

Key :

- E = Endangered (NY).
- SC = Special Concern (NY).
- T = Threatened (NY).