

**Appendix 1.** Species and Birds Counted During 62 years of Consecutive Spring Bird Counts in Guilford County. The total number of species seen is 234 + 1 taxon.

The Key for Status is: A - Accidental; M - Migratory; P - Permanent resident; R - Rare; S - Summer resident; V - Vagrant; W - Winter resident; Years seen: number of count years in which a species was reported; Abundance: lowest and highest number of birds seen in a given count year; 62-yr Sum: total number of birds per species summed across 62 years; Av: average number of birds seen across 62 years. This number is rounded to the nearest whole number. Species highlighted in gray were reported in five or fewer count years (n=57). Species highlighted in yellow were reported in all 62 count years (n=54).

Group	Common Name	Status	Yrs Seen	Abundance		62-yr Sum	Average
				Min	Max		
WATERFOWL	Fulvous Whistling Duck	WR	1	0	2	2	
	Greater White-fronted Goose	WR	1	0	1	1	
	Canada Goose	P	46	0	612	11,002	177
	Mute Swan	R	4	0	2	5	
	Wood Duck	P	59	0	71	928	15
	Blue-winged Teal	M	27	0	41	217	4
	Northern Shoveler	W	3	0	2	6	
	Gadwall	W	2	0	2	3	
	American Wigeon	W	7	0	26	48	1
	Mallard	P	59	0	288	6246	101
	American Black Duck	W	24	0	15	81	1
	Northern Pintail	W	1	0	2	2	

	Green-winged Teal	W	1	0	1	1	
	Redhead	W	1	0	1	1	
	Ring-necked Duck	W	13	0	5	23	
	Greater Scaup	W	1	0	1	1	
	Lesser Scaup	W	13	0	6	10	
	Bufflehead	W	2	0	2	3	
	Hooded Merganser	W	10	0	14	55	1
	Common Merganser	WR	7	0	5	16	
	Red-breasted Merganser	M	30	0	11	131	2
	Ruddy Duck	W	16	0	7	31	1
GROUSE	Northern Bobwhite	P	52	0	181	2123	35
QUAILS	Ring-necked Pheasant	R	1	0	1	1	
ALLIES	Wild Turkey	P	17	0	25	78	1
GREBES	Pied-billed Grebe	W	29	0	6	54	1
	Horned Grebe	WR	4	0	2	5	
	Red-necked Grebe	WR	2	0	1	2	
PIGEONS	Rock Pigeon	P	52	0	247	5379	87
DOVES	Common Ground-Dove	A	1	0	2	2	
	Mourning Dove	P	62	109	508	14,442	233
CUCKOOS	Yellow-billed Cuckoo	S	47	0	27	185	3
	Black-billed Cuckoo	M	11	0	2	12	
NIGHTJARS	Common Nighthawk	S	45	0	26	296	5
	Chuck-will's-widow	S	14	0	5	30	
	Eastern Whip-poor-will	S	34	0	56	283	5
SWIFTS	Chimney Swift	S	62	23	800	12,035	194
HUMMINGBIRDS	Ruby-throated Hummingbird	S	61	1	21	560	9
RAILS	Black Rail	A	1	0	1	1	
GALLINULES	King Rail	RM	2	0	1	2	
ALLIES	Virginia Rail	RM	2	0	2	3	
	Sora	RM	4	0	5	9	
	Common Gallinule	RM	4	0	2	5	
	American Coot	W	33	0	81	200	3
SHOREBIRDS	Wilson's Plover	R	1	0	1	1	

	Semipalmated Plover	R	5	0	14	22	
	Killdeer	P	62	3	47	1346	22
	Upland Sandpiper	R	2	0	2	3	
	Sanderling	MR	5	0	12	17	
	Dunlin	MR	1	0	1	1	
	Least Sandpiper	M	31	0	101	293	5
	Pectoral Sandpiper	M	13	0	5	22	
	Semipalmated Sandpiper	MR	9	0	12	29	
	Western Sandpiper	MR	5	0	50	56	1
	American Woodcock	P	16	0	9	53	1
	Wilson's Snipe	W	34	0	14	83	1
	Spotted Sandpiper	M	62	3	72	1200	19
	Solitary Sandpiper	M	60	0	68	948	15
	Lesser Yellowlegs	M	42	0	34	202	3
	Greater Yellowlegs	M	27	0	29	98	2
GULLS TERNES	Bonaparte's Gull	M	17	0	13	51	1
	Laughing Gull	W	1	0	1	1	
	Ring-billed Gull	W	59	0	452	3903	63
	Herring Gull	W	7	0	5	12	
	Caspian Tern	M	14	0	16	40	1
	Black Tern	M	1	0	1	1	
	Common Tern	A	4	0	3	8	
	Forster's Tern	M	7	0	4	16	
LOONS	Common Loon	W	23	0	6	43	1
COMORANTS ANHINGAS	Double-crested Cormorant	W	41	0	447	3555	57
	Great Cormorant	A	1	0	1	1	
	Anhinga	A	1	0	1	1	
HERONS IBISES ALLIES	American Bittern	R	9	0	4	13	
	Least Bittern	R	2	0	1	2	
	Great Blue Heron	P	60	0	154	1641	26
	Great Egret	V	15	0	4	29	
	Snowy Egret	V	1	0	1	1	
	Little Blue Heron	V	7	0	2	9	

	Cattle Egret	V	3	0	5	7	
	Green Heron	S	61	0	18	537	9
	Black-crowned Night-Heron	S	4	0	1	4	
	Yellow-crowned Night-Heron	S	29	0	12	71	1
VULTURES	Black Vulture	P	44	0	85	704	11
HAWKS	Turkey Vulture	P	60	0	80	1474	24
ALLIES	Osprey	S	59	0	18	308	5
	Northern Harrier	M	8	0	4	12	
	Sharp-shinned Hawk	P	35	0	4	56	1
	Cooper's Hawk	P	45	0	9	154	2
	Bald Eagle	P	23	0	6	65	1
	Mississippi Kite	S	1	0	2	2	
	Red-shouldered Hawk	P	55	0	39	502	8
	Broad-winged Hawk	S	50	0	8	128	2
	Red-tailed Hawk	P	62	2	37	852	14
OWLS	Barn Owl	P	7	0	6	13	
	Eastern Screech-Owl	P	24	0	15	59	1
	Great Horned Owl	P	26	0	5	43	1
	Barred Owl	P	51	0	17	223	4
KINGFISHERS	Belted Kingfisher	P	62	1	21	560	9
WOODPECKERS	Red-headed Woodpecker	P	61	0	30	663	11
	Red-bellied Woodpecker	P	62	24	128	4687	76
	Yellow-bellied Sapsucker	W	28	0	7	44	1
	Downy Woodpecker	P	62	15	57	1745	28
	Hairy Woodpecker	P	61	0	14	309	5
	Northern Flicker	P	62	10	136	2940	47
	Pileated Woodpecker	P	56	0	12	186	3
FALCONS	American Kestrel	P	47	0	6	104	2
	Merlin	M	1	0	1	1	
	Peregrine Falcon	M	2	0	1	2	
TYRANT	Great Crested Flycatcher	S	62	4	1311	21	31
FLYCATCHERS	Eastern Kingbird	S	62	6	83	1817	29
PEWEES	Eastern Wood-Pewee	S	59	0	71	752	12

KINGBIRDS	Yellow-bellied Flycatcher	M	1	0	2	2	
	Acadian Flycatcher	S	48	0	41	388	6
	Alder Flycatcher	S	1	0	1	1	
	Least Flycatcher	M	5	0	5	12	
	Eastern Phoebe	P	62	6	62	1331	21
SHRIKES	Loggerhead Shrike	R	30	0	79	539	9
VIREOS	White-eyed Vireo	S	62	1	58	719	12
	Yellow-throated Vireo	S	49	0	52	639	10
	Blue-headed Vireo	S	50	0	9	130	2
	Philadelphia Vireo	RM	3	0	1	3	
	Warbling Vireo	S	1	0	2	2	
	Red-eyed Vireo	S	62	26	202	6000	97
JAYS	Blue Jay	P	62	80	455	12,974	209
CROWS	American Crow	P	62	76	385	10,935	176
RAVENS	Fish Crow	P	31	0	43	548	9
	Common Raven	P	10	0	7	20	
LARKS	Horned Lark	S	34	0	32	207	3
MARTINS	Purple Martin	S	62	6	542	10,496	169
SWALLOWS	Tree Swallow	S	56	0	1142	4872	79
	Northern Rough-winged Swallow	S	62	6	145	2990	48
	Bank Swallow	M	37	0	504	1020	16
	Cliff Swallow	S	32	0	160	811	13
	Barn Swallow	S	61	0	730	10,213	165
CHICKADEES	Carolina Chickadee	P	62	51	169	7043	114
TITMICE	Tufted Titmouse	P	62	59	209	6888	111
NUTHATCHES	Red-breasted Nuthatch	W	16	0	4	35	1
	White-breasted Nuthatch	P	62	5	48	1189	19
	Brown-headed Nuthatch	P	62	3	58	1518	24
TREECREEPERS	Brown Creeper	W	7	0	2	8	
WRENS	House Wren	P	62	3	37	1022	16
	Winter Wren	W	4	0	1	4	
	Sedge Wren	M	3	0	2	4	
	Marsh Wren	M	2	0	1	2	

	Carolina Wren	P	62	27	259	6527	105
GNATCATCHERS	Blue-gray Gnatcatcher	S	62	6	131	2871	46
KINGLETS	Golden-crowned Kinglet	W	7	0	3	11	
	Ruby-crowned Kinglet	W	54	0	21	354	6
THRUSHES	Eastern Bluebird	P	62	9	238	5332	86
	Veery	M	50	0	12	195	3
	Gray-cheeked Thrush	M	26	0	8	45	1
	Swainson's Thrush	M	58	0	118	916	15
	Hermit Thrush	W	28	0	5	47	1
	Wood Thrush	S	62	13	282	5965	96
	American Robin	P	62	116	1017	27,236	439
CATBIRDS	Gray Catbird	S	62	8	140	4152	67
MOCKINGBIRDS	Brown Thrasher	P	62	17	180	3721	60
THRASHERS	Northern Mockingbird	P	62	90	406	12,389	200
STARLINGS	European Starling	P	62	199	1892	42,168	680
WAXWINGS	Cedar Waxwing	P	62	3	468	8187	132
OLD WORLD SPARROWS	House Sparrow	P	62	10	1015	13,865	224
PIPITS	American Pipit	W	3	0	7	9	
FINCHES	Evening Grosbeak	RW	11	0	130	360	6
EUPHONIAS	House Finch	P	41	0	173	3394	55
ALLIES	Purple Finch	W	21	0	109	370	6
	Common Redpoll	RW	1	0	1	1	
	Red Crossbill	RV	2	0	10	19	
	Pine Siskin	W	25	0	220	993	16
	American Goldfinch	P	62	53	1399	19,103	308
	SPARROWS	Eastern Towhee	P	62	31	273	7247
OTHER EMBERIZIDS	Bachman's Sparrow	M	8	0	4	15	
	American Tree Sparrow	M	1	0	1	1	
	Chipping Sparrow	P	62	21	214	4882	79
	Field Sparrow	P	62	12	115	2486	40
	Vesper Sparrow	W	1	0	1	1	
	Savannah Sparrow	W	54	0	22	319	5

	Grasshopper Sparrow	S	55	0	114	747	12
	Fox Sparrow	W	4	0	1	4	0
	Song Sparrow	P	62	23	165	4487	72
	Lincoln's Sparrow	M	1	0	1	1	0
	Swamp Sparrow	W	36	0	27	160	3
	White-throated Sparrow	W	62	9	319	5811	94
	White-crowned Sparrow	W	27	0	20	122	2
	Dark-eyed Junco	W	14	0	6	33	1
CHAT	Yellow-breasted Chat	S	61	0	116	1092	18
BLACKBIRDS	Bobolink	M	48	0	1312	5363	87
	Eastern Meadowlark	P	62	9	378	6133	99
	Orchard Oriole	S	62	1	41	692	11
	Baltimore Oriole	S	60	0	19	470	8
	Red-winged Blackbird	P	62	41	804	11,741	189
	Brown-headed Cowbird	P	62	3	286	3792	61
	Rusty Blackbird	M	25	0	494	759	12
	Brewer's Blackbird	W	1	0	1	1	
	Common Grackle	P	62	14	1713	34,992	564
WOOD WARBLERS	Ovenbird	S	62	1	79	1431	23
	Worm-eating Warbler	M	41	0	11	110	2
	Louisiana Waterthrush	S	54	0	13	169	3
	Northern Waterthrush	M	49	0	42	171	3
	Golden-winged Warbler	M	11	0	3	18	
	Blue-winged Warbler	M	25	0	8	51	1
	"Lawrence's" Warbler	MR	1	0	1	1	
	Black-and-white Warbler	S	62	2	32	662	11
	Prothonotary Warbler	S	43	0	12	157	
	Swainson's Warbler	MR	1	0	1	1	
	Tennessee Warbler	M	8	0	4	11	
	Orange-crowned Warbler	M	1	0	1	1	
	Nashville Warbler	M	4	0	1	4	
	Kentucky Warbler	S	35	0	14	118	2
	Common Yellowthroat	S	62	4	115	3052	49

	Hooded Warbler	S	54	0	77	594	10
	American Redstart	S	62	2	160	1839	30
	Cape May Warbler	M	56	0	29	396	6
	Cerulean Warbler	M	8	0	2	9	
	Northern Parula	M	61	0	86	1453	23
	Magnolia Warbler	M	37	0	9	103	2
	Bay-breasted Warbler	M	16	0	16	39	1
	Blackburnian Warbler	M	22	0	7	35	1
	Yellow Warbler	S	57	0	45	807	13
	Chestnut-sided Warbler	M	53	0	14	246	4
	Blackpoll Warbler	M	49	0	34	323	5
	Black-throated Blue Warbler	S	59	0	84	1411	23
	Palm Warbler	M	33	0	7	73	1
	Pine Warbler	P	62	3	52	1476	24
	Yellow-rumped Warbler	W	62	12	340	7464	120
	Yellow-throated Warbler	S	27	0	28	223	4
	Prairie Warbler	S	61	0	65	771	12
	Black-throated Green Warbler	M	48	0	21	233	4
	Canada Warbler	M	27	0	5	47	1
	Wilson's Warbler	M	14	0	3	17	
CARDINALS GROSBEAKS	Summer Tanager	S	60	0	59	907	15
	Scarlet Tanager	S	62	1	79	1317	21
	Northern Cardinal	P	62	155	485	18,693	302
	Rose-breasted Grosbeak	M	59	0	64	557	9
	Blue Grosbeak	S	61	0	50	802	13
	Indigo Bunting	S	62	3	134	3227	52