

Appendix D. Number of observations on the Chequamegon National Forest for species not tested for trends and species with fewer than ten observations per year. Includes flyovers and excludes birds outside of 100 m.

Species	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Canada Goose							6	6	17	2	23	11
Wood Duck	6		1	1	1						1	1
Mallard	2	2			1			5	3	1		
Blue-winged Teal		1										
Ruffed Grouse	1	4	6	4	22	23	7	2	4	1	7	1
Common Loon						1	3				1	
American Bittern			3	2		2						3
Great Blue Heron					1			5		1	1	
Green Heron									1			
Osprey											1	
Northern Harrier									2			
Sharp-shinned Hawk									2			
Cooper's Hawk		1				1						
Northern Goshawk		1										
Red-shouldered Hawk			1									
Broad-winged Hawk	5	2	4	3		2	4	4	3	3	3	2
Red-tailed Hawk			2				1	2		2		
Sandhill Crane							2					
Killdeer	3	1										
Upland Sandpiper	7	4	12	2	1		3	2	1	1		
Wilson's Snipe	1	1		1			1			1		
American Woodcock		1		1								
Mourning Dove	1		2		1		1	3	1	1	1	3
Black-billed Cuckoo	3						1	1	1	5	1	
Yellow-billed Cuckoo		3		4		1	17	2	1	2		
Great Horned Owl	1											
Barred Owl			1				4	2	2		1	
Common Nighthawk	1			1			2	3	1	1		
Whip-poor-will		1	1									
Chimney Swift								1			1	
Ruby-throated Hummingbird	2	2	2	5	4	2	3	1	15	4	8	5
Red-headed Woodpecker				1							1	
Downy Woodpecker	13	6	5	8	2	6	2	1	4	6	5	5
Black-backed Woodpecker		1		1			2	1				
Northern Flicker	8	5	14	9	9	9	13	13	5	3	15	2
Pileated Woodpecker	4	5	3	4		1		1		2	3	1
Olive-sided Flycatcher		1	4		5		2		3		5	2
Eastern Phoebe	2			1	1	1	1	3	1	1	6	2
Eastern Kingbird	6	6	1	8	4	1	10	16	3	8	14	7
Yellow-throated Vireo	9	14	2	17	5	14	12	2	11	6	6	18
Warbling Vireo			1						1		1	
Philadelphia Vireo						1						

Appendix D (cont.)

Species	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Gray Jay	4	7		1		2	5	4	2		5	
American Crow		2	15	1	3	7	6	12	17	6	10	12
Common Raven	1		19	4	2	5	5	4	5	12	11	3
Bank Swallow								1				
Barn Swallow							1		1			
Boreal Chickadee			2						1			
House Wren	4	1	4	3	3	1	5	7	7	3	8	3
Sedge Wren	2		7	13	6	8	2	2	5	6	11	
Marsh Wren								1				
Ruby-crowned Kinglet	2	7	1	3	1		2	1		1	2	
Blue-gray Gnatcatcher										1		
Eastern Bluebird	7	2	5	2	1		1	9	1	3	7	2
Swainson's Thrush		1	9	3	3	3	5	1				3
Gray Catbird	2	3	1	2	3	2	4	3	2	3	7	
European Starling	1											
Blue-winged Warbler					1	1	3					
Golden-winged Warbler	6	8	10	8	14	8	16	12	8	5	6	7
Tennessee Warbler			5	3		2					2	1
Yellow Warbler	2	2	3	1	3	2	12	5	1	5	11	10
Magnolia Warbler	4	6	5	16	25	10	10	9	5	6	6	14
Cape May Warbler	1	2	4	10	1	3	8	4	1	2	2	5
Black-throated Blue Warbler	6	7	10	5	5	4	8	10	3	1	5	5
Palm Warbler	5	5	3		4	4	6	11	3	4	2	3
Bay-breasted Warbler			2	3							1	
Connecticut Warbler	12	8	7	3	8	4	5	1	2	2	1	
Wilson's Warbler				4								
Field Sparrow	2	2	2	3			1			2	4	1
Savannah Sparrow	7	7	6	5	11	1	6	5	5	6	3	3
Le Conte's Sparrow	1			1							1	3
Lincoln's Sparrow	9	11	2	2	8	6	1	2	3	4	8	3
Dark-eyed Junco	1	4	43	2	7	1	2	5	2			1
Northern Cardinal	1											
Dickcissel				2								
Bobolink												1
Eastern Meadowlark		2						1			1	
Western Meadowlark			4									
Common Grackle			1	4		1	2	11	1	13	4	4
Baltimore Oriole	1	1	2	1	3		2		1	2	4	15
Purple Finch	6	1	3	7	4	6	9	8	18	28	6	5
Red Crossbill										8		
Pine Siskin								2		4	6	

Appendix E. Number of observations on the Chippewa National Forest for species not tested for trends and species with fewer than ten observations per year. Includes flyovers and excludes birds outside of 100 m.

Species	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Canada Goose													2
Wood Duck										1	14		2
Mallard									9	5	1	1	
Green-winged Teal									5				
Ring-necked Duck											2		
Hooded Merganser												1	
Common Merganser										1			9
Ruffed Grouse	4	3	2	1	5	2	4	18	13	1	10		5
Common Loon		1		1				4	3	2		3	2
American White Pelican									1				2
American Bittern		1											
Great Blue Heron		1			2				3	2	3		5
Green Heron												2	1
Turkey Vulture				1						1			
Osprey					1				1	1	1		
Bald Eagle	1			1		1			1	1			
Northern Harrier									1				
Sharp-shinned Hawk	1	1					4						
Cooper's Hawk		1							1		1	2	
Northern Goshawk		1											
Red-shouldered Hawk						1					1		
Broad-winged Hawk		4	4	4	3	4	2	5		2	5	4	7
Red-tailed Hawk	1				1		2	2	2		2	1	1
American Kestrel												1	
Merlin								1					1
Virginia Rail				1									
Sora											1	2	
Killdeer	1				1								
Solitary Sandpiper									1				
Wilson's Snipe	1	1	4	4				2		1		3	3
American Woodcock				1									2
Mourning Dove	1				1				2	1	2	2	
Black-billed Cuckoo	5	3		6							1	1	2
Yellow-billed Cuckoo		1			6		1	14					
Great Horned Owl												2	
Barred Owl								2					2
Common Nighthawk					1				4	2			
Whip-poor-will				1					1				
Chimney Swift				1				1		2	2	3	
Ruby-throated Hummingbird	3	5	3	2	5	3	6	10	10	11	8	9	13
Belted Kingfisher				1		1	2				1	4	2
Red-headed Woodpecker							1						
Black-backed Woodpecker					1			1	3	1	2	4	1

Appendix E (cont.)

Species	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Northern Flicker	9	17	4	5	4	1	5	2	6	6	4	7	2
Pileated Woodpecker	11	4	2	5	1	1	2	3	2			2	1
Olive-sided Flycatcher	11	9	7	3	6	1	6	9	1	1	8	3	3
Willow Flycatcher					1			1					
Eastern Phoebe	3	4				2	2	2		2		2	2
Eastern Kingbird	6	1	1	2	4		1	4	3		3	3	2
Warbling Vireo	1					2	3	1					
Philadelphia Vireo				4									
American Crow	6	4	4	28	3	7	16	13	11	9	7	14	
Common Raven	1	3		6	1		4	5	5	4	7	7	3
Purple Martin		1							1				
Tree Swallow		5	7			1			1	4	2	1	
Cliff Swallow										12			
Barn Swallow										1		1	
Boreal Chickadee	3	2			1						1	4	4
House Wren			1	3	1			1	6	2	2	1	3
Sedge Wren	1		1	10		2	2	3	3	1	5		
Marsh Wren				2									
Ruby-crowned Kinglet		1	4	2	3			4	1	1		2	
Eastern Bluebird		3								3	3	9	
Swainson's Thrush	1	1	2	6	1			9	2	4	1		2
Wood Thrush	4	1	2	4	1	1		5	5	4	6	9	12
Brown Thrasher		1	1							1	1		
Tennessee Warbler		2	1	3					2	2			
Cape May Warbler	1			4	2				4		1	1	1
Black-throated Blue Warbler	1	1	1	1	2		2		3				
Bay-breasted Warbler				3									
Blackpoll Warbler							1						
Northern Waterthrush	6	2	14	6	6	6	7	18	7	12	7	22	5
Eastern Towhee				5	3	1		1	4	3	5	5	1
Clay-colored Sparrow		2					2	1			8	6	5
Vesper Sparrow			1		1								
Savannah Sparrow			1					1					
Le Conte's Sparrow	1												
Lincoln's Sparrow	4	1			1	2	2	3	1	2		1	
Dark-eyed Junco	15	1		4	7	2	1	1		4		2	1
Brewer's Blackbird		1						3		3	5	4	
Common Grackle	2			1	1			2	9	14	1		4
Baltimore Oriole	3	8	11	6	3	5		2		4	1	1	9
Red Crossbill				2						2	26		
White-winged Crossbill					1	18		1		45			
Pine Siskin				2	1	4	1		9	19	2	3	
Evening Grosbeak	7	11	1	3		2	2	13	15	30		4	5

Appendix F. Number of observations on the Superior National Forest for species not tested for trends and species with fewer than ten observations per year. Includes flyovers and excludes birds outside of 100 m.

Species	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Canada Goose												19	
Wood Duck	1										1		
Mallard				1			1	1		3	5	5	
Blue-winged Teal			1										
Green-winged Teal												11	
Canvasback				1									
Ring-necked Duck												3	
Common Goldeneye												3	1
Common Merganser										3		4	1
Spruce Grouse		2								1			1
Common Loon		2						3	2	1	2		
American Bittern		1	4		1	1				1		1	
Great Blue Heron			1										
Turkey Vulture								2					
Broad-winged Hawk	4	3	3	4	3	2	7	5	8	6	10	10	4
American Kestrel			1			1					1		1
Merlin											2		
Virginia Rail				1									
Sora		1											
Sandhill Crane								2					
Killdeer						4	1	3					
Solitary Sandpiper											1		
Wilson's Snipe	1	1	1	10	1	1	1	1		1	2	2	2
American Woodcock		1					1						
Herring Gull				1									
Mourning Dove											1		
Black-billed Cuckoo	3	12	2	3	1			4		3	4		1
Yellow-billed Cuckoo	1				2		1	1	1				
Northern Hawk Owl											1		
Barred Owl		1					1						
Great Gray Owl	1												
Boreal Owl	1												
Northern Saw-whet Owl	1												
Common Nighthawk		1	3			1							
Whip-poor-will				1									1
Ruby-throated Hummingbird	2	6	6		1	2	4	4	2	8	4	8	7
Belted Kingfisher	1	2		3	1	1	1	2	1	3		2	1
Red-headed Woodpecker								1					
Red-bellied Woodpecker										1			
Downy Woodpecker	5	9	8	10	9			5	5	18	9	7	5
Black-backed Woodpecker									1	3	3	3	3
Pileated Woodpecker	8	6	8	12	4	4		1	9	4	4	2	11
Olive-sided Flycatcher	17	10	4		2	2	1	1	2	1			3

Appendix F (cont.)

Species	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Eastern Phoebe	2	1							2	1			
Great Crested Flycatcher	3	8	7	3	9	4	9	4	1	5		2	4
Eastern Kingbird	1	3	4		1	1		2	1			5	1
Yellow-throated Vireo		1	1		2	4				2	1		3
Warbling Vireo													1
Philadelphia Vireo					1								
American Crow		1	2	9			1	4	1	4	1	7	2
Common Raven	3	5		11	4	5	1	6	7	13	4	8	6
Tree Swallow			2						2	1			
Bank Swallow											1		
Boreal Chickadee	1		1	1					1		2	3	6
White-breasted Nuthatch		10	5	10	1	2	2	1		5	1	3	1
House Wren	2	1	2		4	1	1	1	3			1	
Sedge Wren	4	2	1	6	2	1					1		
Marsh Wren		1		2									
Ruby-crowned Kinglet	9	10	28	13	4	9	4	15	11	6	1	8	4
Eastern Bluebird	1												
Gray-cheeked Thrush			1										
Wood Thrush		3	2	4	2	1	2	4	5	4	6		1
Gray Catbird		1				3	1	1		4	1		
Brown Thrasher		2	1		1	2		1					
Golden-winged Warbler	18	10	11	8	8	5	7	3	6	4	11	8	3
Yellow Warbler	2	7	2	20	3	1		1			1	2	3
Palm Warbler		1	6	4		5	1	5	1		2	2	
Bay-breasted Warbler		1		2	8	4			4				
Blackpoll Warbler					1								
Northern Waterthrush		8	17	14	8	11	5	7	13	7	5	5	4
Connecticut Warbler	14	13	17	19	9	7	6	16	1	6	3	5	1
Wilson's Warbler			2	1	1		1						
Eastern Towhee					1						1		
Clay-colored Sparrow				5			1	1				4	1
Vesper Sparrow			1		2	6							
Lincoln's Sparrow	6	4	11	4	1	4	1	1		6	3	3	
Dark-eyed Junco	2	5		15	5	2	2	3	2		7	1	2
Indigo Bunting	6		1	8			4	4	5	1	1	7	7
Red-winged Blackbird	14	4	6	5	2	3	3	3	1	5	5	6	5
Rusty Blackbird		5											
Brewer's Blackbird			5				1				1		
Common Grackle		4				1		2			1	8	3
Brown-headed Cowbird	9	3	2		3	2	1		7	1	1	4	3
Baltimore Oriole	2		1	2		3	1	2	1	1	1	2	2
Purple Finch	15	8	18	4	3		2	9	12	16	9	14	6
Red Crossbill							1			1	5		
White-winged Crossbill						1		2		10	3	3	14
Pine Siskin			9	1	6	2	2		6	21	3	9	4
American Goldfinch	3	2	5	2	1	1	7	8	24	21	11	17	13

Appendix G. Number of observations on the St. Croix study area for species not tested for trends and species with fewer than ten observations per year. Includes flyovers and excludes birds outside of 100m.

Species	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Canada Goose										16	1	
Trumpeter Swan										2		
Wood Duck			1		6							1
American Black Duck									2			
Mallard	1	1		5				23	7			
Ruffed Grouse	2	2						1	1		1	6
Common Loon								2		1		
American Bittern											1	
Great Blue Heron	1	1	1							2	2	
Osprey												1
Cooper's Hawk			1									
Northern Goshawk					1			1	1			
Broad-winged Hawk	7		1	1	3	1	1	1	3	3	3	1
American Kestrel						1						
Sora		1										
Wilson's Snipe				1			1					
American Woodcock	2									1		
Ring-billed Gull									1	1	1	
Rock Pigeon								2				
Mourning Dove		4	2	3	6			1		1	2	1
Black-billed Cuckoo	4				2	1	3					1
Yellow-billed Cuckoo	1			2	2	2	3					
Barred Owl				1			1	1				
Whip-poor-will	2											
Ruby-throated Hummingbird		1	2	4		3	9	2	5	1	8	11
Belted Kingfisher					1	1		4			1	
Red-bellied Woodpecker		1									1	
Downy Woodpecker	10	3	1	2	4	5	11	3	8	7	11	6
Hairy Woodpecker	11	12	6			6	7	7	9	2	5	9
Black-backed Woodpecker												1
Northern Flicker	10	6	5	6	4	2	2	3	1	1		3
Pileated Woodpecker	3	6	7				3	1		1	3	
Olive-sided Flycatcher							1		2			
Yellow-bellied Flycatcher	3	6	19	14	6	11	9	3	9	5	7	6
Alder Flycatcher	13	17	10	8	9	5	5	4	8	5	10	11
Eastern Phoebe	2	1	2	2	1		3	1				
Eastern Kingbird						1	3				2	
Loggerhead Shrike						1						
Blue-headed Vireo	5	3	12	1	4	4	1	2	2	1	8	
Warbling Vireo										1		
Philadelphia Vireo										1		
Gray Jay		1			1		1	4	2		2	1
American Crow		1	4	3	3		16	1	4	3	2	1

Appendix G (cont.)

Species	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Common Raven	2	1	1	2			7		1	3	2	1
Purple Martin												1
Tree Swallow	2	1				2	4	1	1	2	2	
Boreal Chickadee		2		1	2							
Red-breasted Nuthatch	7	11	3	9	5	7	2	6	14	14		12
Brown Creeper	9	20	4	2	10	5	7	1	6	5	12	3
House Wren	3	1	3	2		1				2	1	1
Winter Wren	13	17	9	8	5	7	16	10	3	3	5	
Sedge Wren	16	6	3	7	12	9	3	9	20	8	9	7
Golden-crowned Kinglet	7	7	7	4	2	6	10	3	5		17	6
Ruby-crowned Kinglet								1			1	1
Blue-gray Gnatcatcher			1				2		1	1		
Eastern Bluebird	1						1	1				
Swainson's Thrush					1		1	1				
Wood Thrush	7	8	9	5	4	7	9	13	24	15	9	5
Gray Catbird	6	6	19	3	8	4	4	15	14	4	6	12
Brown Thrasher	2	2	1	1	1			1		3		
Tennessee Warbler				1		2						
Northern Parula	4	2	3	1	1	2	1	5		2	1	6
Yellow Warbler		6	7	5	5	3	15		2	4	7	2
Magnolia Warbler		2	1	4	3	4	2	3	1	7	3	5
Cape May Warbler				1	1		2					
Black-throated Blue Warbler		1										
Blackburnian Warbler	1	10	5	6	9	3	14	5	8	5	14	19
Pine Warbler		1	2	2	2	1	6	2	2	4		2
Palm Warbler (Western)	1	1		1	2	6	4		3	5	2	6
Northern Waterthrush	6	5	10	3	4	7	4	3	2	3	6	6
Connecticut Warbler	3	4	6	3	1	1	1					
Wilson's Warbler				1								
Eastern Towhee	3	2	4	1	3	2	1	3	3			1
Chipping Sparrow	5	8	7	6	5	3	8	11	15		8	4
Clay-colored Sparrow					1	2	2		3	1	1	1
Field Sparrow				2								
Vesper Sparrow			1									
Savannah Sparrow	2	1	2	1			1		2		1	1
Le Conte's Sparrow											1	
Lincoln's Sparrow	3	3	1	4	6	2	3	1	7	6	9	2
Dark-eyed Junco	3		8	2				1				
Red-winged Blackbird	11	4	9	3	2	2	10	3	6	5	5	1
Eastern Meadowlark								2				
Yellow-headed Blackbird										1		
Brewer's Blackbird								1				1
Common Grackle					6	1	22		12		1	2
Baltimore Oriole				1	3	1					3	1
Purple Finch		2	4				3	4	10	2	4	1
White-winged Crossbill					5		11		13			
Pine Siskin		1	2						17			
Evening Grosbeak		2	1				1					