

Appendix B

Population trend estimates (% annual change) and associated test statistics for the Chippewa National Forest, Superior National Forest, and a combined regional analysis (1995-2021). Included for each species are its trend (% annual change) within each NF, a regional trend (if possible), the significance of the trend (P), the explained variation of the trend (r^2), and the number of stands (n) in which the species was detected sufficiently to include in the trend calculation.

Species	Chippewa				Superior				Regional			
	Trend (%)	P	r^2	n	Trend (%)	P	r^2	n	Trend (%)	P	r^2	n
Alder Flycatcher	-2.77	0.00	0.73	26	0.34	0.76	0.11	65	-0.56	0.51	0.20	91
American Bittern	-	-	-	-	-1.64	0.73	0.16	5	-	-	-	-
American Crow	-0.52	0.26	0.19	112	-3.79	0.00	0.89	75	-1.30	0.00	0.59	187
American Goldfinch	0.34	0.68	0.00	27	2.08	0.38	0.34	12	0.86	0.31	0.03	39
American Redstart	0.82	0.20	0.65	76	1.29	0.03	0.86	102	1.00	0.02	0.80	178
American Robin	-1.85	0.00	0.71	108	-0.28	0.39	0.05	146	-0.88	0.00	0.38	254
Black-and-white Warbler	3.75	0.00	0.99	118	0.52	0.06	0.08	139	1.86	0.00	0.73	257
Black-billed Cuckoo	-	-	-	-	-4.07	0.00	0.28	7	-	-	-	-
Black-capped Chickadee	-1.18	0.01	0.19	109	-1.39	0.00	0.17	134	-1.26	0.00	0.18	243
Black-throated Blue Warbler	-	-	-	-	2.32	0.13	0.79	26	-	-	-	-
Black-throated Green Warbler	1.23	0.01	0.37	79	1.59	0.00	0.95	100	1.41	0.00	0.72	179
Blackburnian Warbler	0.78	0.12	0.74	90	-0.06	0.89	0.01	136	0.20	0.50	0.18	226
Blue-headed Vireo	-1.43	0.03	0.55	50	-0.32	0.59	0.04	61	-0.88	0.11	0.29	111
Blue Jay	1.43	0.00	0.90	122	1.15	0.00	0.77	147	1.26	0.00	0.86	269

Species	Chippewa				Superior				Regional			
	Trend (%)	<i>P</i>	<i>r</i> ²	<i>n</i>	Trend (%)	<i>P</i>	<i>r</i> ²	<i>n</i>	Trend (%)	<i>P</i>	<i>r</i> ²	<i>n</i>
Broad-winged Hawk	2.73	0.42	0.49	6	-4.73	0.04	0.74	9	-1.72	0.45	0.68	15
Brown-headed Cowbird	-4.42	0.00	0.73	19	-	-	-	-	-	-	-	-
Brown Creeper	-1.36	0.12	0.56	49	-2.08	0.01	0.61	69	-1.69	0.00	0.59	118
Canada Jay	-1.51	0.32	0.21	18	-2.25	0.00	0.23	49	-2.00	0.00	0.22	67
Canada Warbler	3.60	0.00	0.94	28	0.22	0.71	0.12	109	0.71	0.12	0.58	137
Cape May Warbler	-	-	-	-	5.66	0.00	0.96	47	-	-	-	-
Cedar Waxwing	0.79	0.31	0.13	56	2.84	0.00	0.84	74	1.89	0.00	0.60	130
Chestnut-sided Warbler	-0.15	0.69	0.03	109	-1.37	0.00	0.58	138	-0.83	0.01	0.42	247
Chipping Sparrow	-3.61	0.00	0.62	73	-4.19	0.00	0.81	71	-3.79	0.00	0.70	144
Common Loon	-0.98	0.09	0.46	81	-4.38	0.00	0.99	50	-1.93	0.00	0.86	131
Common Raven	-0.40	0.59	0.12	73	-1.54	0.01	0.49	83	-0.97	0.04	0.36	156
Common Yellowthroat	-1.28	0.01	0.65	90	-2.39	0.00	0.54	71	-1.56	0.00	0.62	161
Connecticut Warbler	-8.63	0.00	0.96	16	-8.01	0.00	0.98	5	-8.52	0.00	0.97	21
Dark-eyed Junco (Slate-colored)	4.44	0.26	0.43	5	3.15	0.09	0.50	5	3.93	0.14	0.46	10
Downy Woodpecker	-1.97	0.22	0.61	19	-7.95	0.00	0.92	7	-3.28	0.02	0.81	26
Eastern Towhee	-0.29	0.92	0.02	7	-	-	-	-	-	-	-	-
Eastern Wood-Pewee	-0.88	0.05	0.74	95	-0.63	0.62	0.67	32	-0.82	0.06	0.76	127
Evening Grosbeak	-	-	-	-	-5.01	0.04	0.96	13	-	-	-	-

Species	Chippewa				Superior				Regional			
	Trend (%)	<i>P</i>	<i>r</i> ²	<i>n</i>	Trend (%)	<i>P</i>	<i>r</i> ²	<i>n</i>	Trend (%)	<i>P</i>	<i>r</i> ²	<i>n</i>
Golden-crowned Kinglet	-1.75	0.07	0.29	27	0.87	0.07	0.16	85	0.24	0.59	0.01	112
Golden-winged Warbler	1.61	0.32	0.37	46	-0.44	0.79	0.02	14	1.17	0.31	0.56	60
Gray Catbird	-1.80	0.42	0.58	25	-	-	-	-	-	-	-	-
Great Crested Flycatcher	-0.03	0.98	0.00	55	-	-	-	-	-	-	-	-
Hairy Woodpecker	1.29	0.20	0.73	39	1.05	0.29	0.09	35	1.21	0.10	0.31	74
Hermit Thrush	-0.78	0.00	0.22	110	-2.48	0.00	0.69	138	-1.57	0.00	0.52	248
Indigo Bunting	-5.17	0.00	0.92	22	-	-	-	-	-	-	-	-
Least Flycatcher	-1.66	0.00	0.83	85	0.82	0.26	0.47	123	-0.80	0.05	0.50	208
Lincoln's Sparrow	5.74	0.01	0.84	5	-4.19	0.00	0.90	5	3.20	0.26	0.69	10
Magnolia Warbler	-0.23	0.84	0.03	25	-1.26	0.00	0.77	124	-1.18	0.00	0.82	149
Mourning Dove	2.22	0.02	0.18	11	-	-	-	-	-	-	-	-
Mourning Warbler	-0.19	0.78	0.06	74	-2.15	0.00	0.87	129	-1.54	0.00	0.81	203
Nashville Warbler	1.01	0.00	0.67	115	0.93	0.00	0.55	147	0.94	0.00	0.60	262
Northern Flicker (Yellow-shafted)	-0.32	0.78	0.01	41	-0.63	0.31	0.05	91	-0.54	0.31	0.04	132
Northern Parula	0.46	0.52	0.15	55	0.65	0.10	0.11	89	0.59	0.13	0.12	144
Northern Waterthrush	2.68	0.02	0.71	23	4.44	0.00	0.86	31	3.56	0.00	0.85	54
Olive-sided Flycatcher	-5.26	0.00	0.81	14	-0.21	0.89	0.03	7	-3.79	0.01	0.78	21
Ovenbird	1.32	0.00	0.74	122	-0.22	0.15	0.09	147	0.46	0.00	0.31	269

