

The temperature on count day started out near zero, with a light breeze under a slightly overcast sky and by mid-afternoon had risen to 23°C, with moderate breezes and clear sky. With Covid restrictions having been eased fewer teams were split up and party hours, which have been elevated the last two years, have returned to the normal range.

All counts in this narrative have been corrected for effort¹, so valid comparisons can be made between years. Corrected counts compared to the long-term average (LTA) appear in brackets. The original counts (ie uncorrected) are shown in the accompanying tables.

The species count this year was above average at 155, but the total bird count set a new low (63% of LTA), primarily due to a near total absence of Snow Geese (2% of LTA). With a single-day snapshot it can be difficult to separate changes in abundance from changes in migration timing due to climate change. However, Snow Geese are among the most abundant species on the continent, so it appears that the timing of their migration has shifted. While spring migration has generally shifted earlier by a few days, a recent study found that fall migration has been extended by over two weeks, with early migrants leaving earlier and late migrants leaving later. As a late migrant, it appears that count day caught only the early stage of Snow Goose migration.

The counts for resident grebes were low, especially Pied-billed Grebe (12% of LTA), Horned Grebe (14% of LTA), and Eared Grebe (7% of

LTA). The spring count also showed low and declining counts especially for Pied-billed and Horned Grebe.

The total duck count was 87% of the LTA, but American Wigeon count (20% of LTA) declined for the third year in a row. The gamebird count was low (37% of LTA) but this tends to be highly variable from year to year, so is not unexpected. The warbler species count was seventeen, above the LTA of 15, but the total warbler count (37% of LTA) was the lowest since 2014. Yellow-rumped Warbler (37% of LTA) dominate the count and eBird data indicate that their numbers are highest in the last three weeks of September, so count day probably preceded the peak.

New high counts were set for Turkey Vulture (394% of LTA), which has been in a long-term rising trend, Blue Jay (187% of LTA) and Horned Lark (456% of LTA). The latter count was primarily due to a flock of 200 seen in SE/C.

A Whooping Crane was spotted this year, the fourth one in the last five years. Prior to that only two had been seen in 23 years. Also, six Black-necked Stilts were seen for the first time on the fall count. They have normally departed by the end of the first week in September.

Thank you to all participants for your continued support of the SNS fall count.

John Patterson and Stan Shadick

¹ Corrected count = Raw count x Average party hours (1995-2021) ÷ Party hours (2022).

2022 Saskatoon Fall Bird Count

10 September 2022

Rural SE/A	Rural SE/B	Rural SE/C	Rural SE/D	Rural SE/E	Rural SE/F	Rural SE/G	City Total	Species	2022 Date 9/10	2021 9/11	2020 9/12	2019 9/7	2018 9/8	2017 9/9	2016 9/10	2015 9/12	2014 9/6	2013 9/7	2012 9/8	2011 9/10	2010 9/11	2009 9/12	2008 9/6	2007 9/8	
62	57	67	40	67	79	84	111	Total Species	155	166	166	159	149	141	148	142	153	157	150	147	167	131	171	158	
10.7	7.5	9.8	6.8	10.0	16.6	9.5	69.5	Total Party Hours	147	156	163	143	124	140	149	143	126	152	138	137	166	137	149	150	
2	1	3	1	2	3	1	25	Participants	35	38	45	34	34	33	44	40	34	45	42	39	35	35	48	43	
								• Goose sp. •									275		40		3				
	7			27			121	Snow Goose	155	4094	20506	3076	3565	26087	713	4823	3636	12536	716	5903	1078	4963	2992	16812	
						14		Ross's Goose	14	2445			51	473	20	150	30	684		80		1674	30	153	
	40		3	97		140	10	Greater White-fronted Goose	290	517	1219	217	136	599	22	263	441	319	204	199	195	479	876	310	
				132		18	18	Cackling Goose	168	109	234	119	50	412	102	22	96	210	25		58	24	60	20	
659	569	253	48	714	37	220	1092	Canada Goose	3592	3978	12625	8063	1889	3170	2737	3844	2239	5967	3285	3178	1825	3669	4208	2532	
								Tundra Swan		4	33	4	4	1	1		2			2	1	3	7	6	
50				583	1080		25	• Duck sp. •	1738	57	63	1205	982	5040	835	1510	1931	2230	2190	4795	3727	2745	2	1080	
								Wood Duck		21							4		7				3		
27	241			82	59	90	89	Blue-winged Teal	588	413	797	437	822	683	559	297	345	496	591	465	719	731	1320	1084	
								Cinnamon Teal																	
33	5	2		61	110	205	4	Northern Shoveler	420	480	760	1085	376	575	209	300	417	197	416	403	1242	1978	599	765	
	17			58	31	74	18	Gadwall	198	161	58	92	170	184	265	216	144	240	186	202	667	560	513	793	
2				9	21	8	6	American Wigeon	46	106	275	323	85	65	219	174	121	139	198	149	1115	123	189	352	
10	675	14		209	181	380	292	Mallard	1761	1198	3161	2987	2151	1572	1323	469	709	589	1887	1059	951	3608	1814	1300	
								American Black Duck																1	
	278	2		4		14		Northern Pintail	298	56	78	289	99	100	187	55	18	76	430	50	74	237	89	51	
7	29		6	50	2	11	19	Green-winged Teal	124	55	79	32	57	46	174	94	23	62	58	30	29	93	63	93	
7	29		6	50	2	11		Canvasback	105	621	171	558	173	398	2093	407	204	75	72	61	66	6	26	36	
	16	3			12	40		Redhead	71	261	105	105	162	99	726	262	28	25	56	70	268	8	44	57	
				4				Ring-necked Duck	4	1	43	55	253	12	3	11	9	25	104	55	207	35	3	12	
								Greater Scaup		3															
2	39			146	50	9	17	Lesser Scaup	263	68	142	75	609	204	502	167	107	109	313	225	137	50	224	100	
								White-winged Scoter																	
1				3	3	24		Bufflehead	31	59	217	18	48	81	329	102	28	35	89	57	74	134	84	136	
	3							Common Goldeneye	3	85		15	65	1	2	1		69	3	12	19	18	3	5	
						1		Hooded Merganser	1	3	17	28	29	26	14	31	1	16	21	31	19	4	13	22	
		21						Common Merganser	21	24	41				2	13	4	11	3		4	51	4	3	
								Red-breasted Merganser																	
	74			3	251	12	2	Ruddy Duck	342	555	368	501	436	192	780	302	248	652	375	416	460	308	2755	1421	
								Gray Partridge		1	54	33	37	42	75		14		13	6	14			28	
			1					Ruffed Grouse	1	9	2			1	1		2	3			1	3		2	
	11							Sharp-tailed Grouse	11	5	15	17		9			3	4			1		4	33	
								• Grebe sp. •								4				6					
	2		1	2	1	1		Pied-billed Grebe	7	33	26	12	52	33	108	69	86	99	105	85	125	46	129	93	
				2			3	Horned Grebe	5	8	9	11	16	14	41	57	62	183	91	64	54	18	11	38	
4					1	1		Red-necked Grebe	6	13	13	10	15	13	11	20	21	12	4	16	3	15	9	2	
					2	2		Eared Grebe	4	39	35	26	14	39	102	79	98	166	43	42	140	69	123	81	
								Western Grebe			1	7	11	4	4	9	11	1	2		8	16	19	26	
								Clark's Grebe																1	
29	80	20		25	7	40	405	Rock Pigeon	606	1035	666	591	871	406	945	890	543	658	509	547	1111	1253	1434	627	

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					1		2	Eurasian Collared-Dove	3	15	14	5	6	11	8		6	5		1	5				
18	13	32	4	42	66	36	2	Mourning Dove	213	147	311	191	375	249	172	263	308	292	145	184	200	97	528	140	
								Common Nighthawk				5	3	1						2	1			1	
								• Hummingbird sp. •											1						
								Ruby-throated Hummingbird			2	2	2			1			1		1			1	2
								Sora			9		1			1	8	11	13	5	1	1		9	
4	36	5			118	11		American Coot	174	1109	241	96	2048	1026	4212	3242	1512	3709	3580	4466	4625	1594	12914	13673	
210	140	284	10	234	93	370	55	Sandhill Crane	1396	2702	3187	5522	6787	1375	2241	2957	1203	3091	935	258	688	1474	1454	998	
							1	Whooping Crane	1		2		1											1	
								• Large Shorebird sp. •																	
	6							Black-necked Stilt	6																
	38			9			1	American Avocet	48	61	92	40	65	36	11	32	10	60	8	22	20	3	69	56	
							1	Black-bellied Plover	1	1	5			5		2		3	4		2	3	1		
								American Golden Plover			1		4					3	1						
								Semipalmated Plover		38	3	4			2		17		1		25	12	2	75	
								Piping Plover																	
40	7	5		35	28	8	5	Killdeer	128	55	150	165	160	133	113	130	142	197	80	89	68	164	160	95	
								Upland Sandpiper									1								
								Hudsonian Godwit				2							1		1	6		1	
				1				Marbled Godwit	1			4				2		4		16			2	2	
								Ruddy Turnstone																	
								Red Knot																	
				15				Stilt Sandpiper	15	6	1	145				10		118		11	8		2		
								Sanderling		8					1	75	7	1			10		2	2	
								Dunlin																8	
				100	25			• Peep sp. •	125	52	20	67	60			2	75	3	68	6	43	100	5	74	
6				12	52	4		Baird's Sandpiper	74	8	20	195	8		6			5			6	7	11	23	
					6			Least Sandpiper	6		26	11	7	24	10			4	6		2	25	1	1	
								White-rumped Sandpiper				8													1
1				17				Pectoral Sandpiper	18	7	5	9		7	3		2	10	8	8	11	2	36	18	
		1		20	1			Semipalmated Sandpiper	22	1	77	201	21	60		10	5	40		17	28		52	42	
				49				• Dowitcher sp. •	49	9	5	42	5	236				102		7	13		51	43	
								Short-billed Dowitcher											50				50	62	
	18							Long-billed Dowitcher	18	34		8	83	17	41	2			51		140	108	226		
						2	1	Wilson's Snipe	3	21	7	6	13	41	15	12	7	28	5	3	4	5	22	37	
								Wilson's Phalarope		3	9	10	1			14	8	23		70	4		150	266	
33					4			Red-necked Phalarope	37	4	69	19		50	100	500		100		91	1	16	19	55	
1							2	Spotted Sandpiper	3	5	4	13	1	18		1	3	19	10	8	7		20	4	
								Solitary Sandpiper		4		1	1		1	3	5	5	4	3	1	4	6		
								• Yellowlegs sp. •				6													
1	13	4	2	28	152	4	16	Greater Yellowlegs	220	64	45	50	68	60	91	48	59	113	96	79	75	90	153	98	
								Willet			1	1			1			1	3	2	2	1	7	21	
8	19	2		27	2	9	2	Lesser Yellowlegs	69	61	127	101	50	35	44	56	17	60	100	122	80	77	148	83	
								Sabine's Gull											1						

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SE/A	SE/B	SE/C	SE/D	SE/E	SE/F	SE/G	Total	Date	9/10	9/11	9/12	9/7	9/8	9/9	9/10	9/12	9/6	9/7	9/8	9/10	9/11	9/12	9/6	9/8
					1			Bonaparte's Gull	1	74	39	153	13	3	5		3	5	1	2	17	6	411	51
								Little Gull																
33	375			67	891	415	739	Franklin's Gull	2520	6932	2183	3079	3499	1712	259	1617	391	1780	3253	677	614	1276	1465	593
					500		526	• White-headed Gull sp. •	1026	633	888	1187	4562	683	998	2113	2270	436	1604	5470	5201	224	316	283
450	30	8		210	569	56	3479	Ring-billed Gull	4802	2235	2808	2124	1215	2354	1205	1476	1887	2755	1403	764	3830	1963	2018	3010
					4		119	California Gull	123	66	25	11	22	15	7	27	38	77	20	146	281	26	23	7
				1			14	Herring Gull	15	9	65	3	5	3	20	63	16	5		5	17	4	6	10
						1		Black Tern	1				3			25	2	4	1	75	33		93	2
								Common Tern					3				2		7		1	56	6	3
								Forster's Tern			8	4	10			1		5	1		6			2
								Common Loon		4				1				2						1
								Yellow-billed Loon																
3				14	10	65	50	Double-crested Cormorant	142	441	361	417	244	828	352	303	69	189	91	155	439	330	189	262
				2	72	7	3	American White Pelican	84	80	81	68	170	89	35	158	59	145	80	96	102	59	55	52
								American Bittern											5					
		2	2				1	Great Blue Heron	5	28	15	7	24	4	30	10	7	15	14	5	11	5	15	17
							1	Black-crowned Night-Heron	1	3		4	7	6	3	1		7	1	2	3	1		1
	2	1		1	4	1	6	Turkey Vulture	15	10	15	7	3	11	6	5	7	12	3		5	4	5	2
1		1			1		2	Osprey	5	1	2	3	4	3	7	7	1	6	1	2			2	2
								Golden Eagle																1
								• Hawk sp. •							2	8								
	8	4		6	3	2		Northern Harrier	23	10	21	27	20	28	29	25	27	24	23	39	41	26	51	43
				1				• Accipiter sp. •	1		1							1			2		1	
3	3			1	1	1	5	Sharp-shinned Hawk	14	9	11	7	4	6	12	15	9	9	5	6	16	2	17	10
	2				4		5	Cooper's Hawk	11	6	6	5	3	3	8	4	5	9	8	3	7	7	13	4
					1			Northern Goshawk	1							1	2							
								Bald Eagle		10	13	16	6		2	7	1	5	2	1	13	4	4	1
								• Buteo sp. •				1	4		11		7	4		4	1	7	3	
	1	1					1	Broad-winged Hawk	3	2	8	3			2	3	2		2	2	212	3		1
4	17	12		7	23	5	5	Swainson's Hawk	73	81	76	67	101	73	65	36	71	134	85	75	81	79	93	66
	6	8		8	10	14		Red-tailed Hawk	46	102	81	77	67	74	140	71	85	70	66	89	130	76	120	87
							1	Rough-legged Hawk	1		1				1				1			1	1	
								Ferruginous Hawk					1								1		1	2
1		2				1		Great Horned Owl	4	9	8	5	3	1	2	5	1	3	2	3	6	3	5	9
								Short-eared Owl																
2		1	1		3		6	Belted Kingfisher	13	11	19	15	15	8	16	15	7	16	9	7	15	10	12	12
								• Woodpecker sp. •				1					1							
	2							Yellow-bellied Sapsucker	2	5	29	6		2	7	4	3	4	4	6	20	2	6	8
								American Three-toed Woodpecker										1						
					1			• Downy/Hairy Woodpecker •	1															
3	1	1			1		21	Downy Woodpecker	27	33	27	32	19	16	19	12	10	24	14	8	18	15	13	10
2		1	4		1	1	13	Hairy Woodpecker	22	25	24	18	9	3	10	15	7	12	13	12	7	11	13	12
								Pileated Woodpecker		1	1	1			2	8					4	1		
6		7	3	11	19	7	124	Northern Flicker	177	189	408	155	71	107	142	135	137	279	240	202	298	127	295	239

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								• Small Falcon sp. •									2								
7		4		4	11		4	American Kestrel	30	41	55	33	46	14	43	42	25	33	65	14	29	14	51	16	
		1			3	1	15	Merlin	20	24	28	17	26	15	28	27	14	22	21	11	32	4	34	15	
								• Large Falcon sp. •											2						
	1						2	Peregrine Falcon	3		3	8	4	2	3	2	5	2	6	1	4	4	1		
								Prairie Falcon				1		1									1	2	
								Olive-sided Flycatcher			1			2								1		3	1
								Western Wood-Pewee				3	1		1									2	
					1			• Empidonax sp. •	1	3	5	5	12	5	1	2	16	6	3	6	22	2	9	13	
		1						Yellow-bellied Flycatcher	1		1	1												1	
							2	Alder Flycatcher	2									2	1			2			
		3					1	6	Least Flycatcher	10	5	13	10	9	3	3	2	14	12	8	6	35	4	26	8
	1							1	Eastern Phoebe	2	1	3	4	3	1	1	1	8	1	1	1	8	5	7	5
									Say's Phoebe													1		2	1
									Great Crested Flycatcher			2													1
									Western Kingbird				2	1			1	6	1	2				5	
				1	2	1			Eastern Kingbird	4		3	4	9	3	7	2	21	10	10	2	3	1	9	20
							2	• Vireo sp. •	2																
									Yellow-throated Vireo										1						
					1		1	Blue-headed Vireo	2		5	2				1	1	4	3			7		1	2
		1						Philadelphia Vireo	1		1	2	1	2	2	1	3	1			2	2		1	
			1		1			Warbling Vireo	3	2	4	5	4	4	4	6	2	7	4	5	4	5		5	5
		3						Red-eyed Vireo	4	6	15	25	10	6	3	3	3	17	17	4	5	10	1	5	7
								• Shrike sp. •																	
		2		1				Loggerhead Shrike	3	1	1					1			3			1			
								Northern Shrike														2			
9	1		1		1		110	Blue Jay	122	106	103	97	86	51	100	60	90	62	49	45	68	30	96	44	
34	29	24	3	48	30	22	188	Black-billed Magpie	378	587	623	440	374	314	396	329	444	333	430	195	194	227	343	175	
207	32	131		68	227	9	468	American Crow	1142	647	975	930	632	695	1021	1655	592	527	771	679	448	613	1102	244	
4	2	10	5	9	23	4	15	Common Raven	72	119	150	91	56	64	67	77	78	71	43	62	88	49	59	28	
30	2	15	8	15	17	1	314	Black-capped Chickadee	402	399	483	396	415	387	569	352	305	305	434	334	345	337	347	216	
		2	202	4			20	Horned Lark	228	170	51	21	57	106			4	3	4	31	52	10	65	9	20
								• Swallow sp. •				10													
								Purple Martin			4									1	1				
								Tree Swallow			17		1	3	30		1								7
								Bank Swallow			4	9		1	62			155	1						8
15	38	22		17	72	36	18	Barn Swallow	218	204	57	459	386	163	146	78	377	569	341	416	382	701	621	513	
								Cliff Swallow				1									2	1			
								Golden-crowned Kinglet								1									
		4	1				3	Ruby-crowned Kinglet	8	5	37	4	5	7	3	6	1	7	1	1	21	4	1	2	
5		2	1	2	4	1	178	Red-breasted Nuthatch	193	62	191	129	51	54	192	94	52	46	241	63	71	110	54	97	
							6	White-breasted Nuthatch	6	7	10	6	8	6	13	6	2				5	1	1	3	2
								Brown Creeper								1				1					
		5	2	1	3		8	House Wren	19	25	30	38	22	16	13	15	45	36	24	26	33	12	33	30	

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SE/A	SE/B	SE/C	SE/D	SE/E	SE/F	SE/G	Total	Date	9/10	9/11	9/12	9/7	9/8	9/9	9/10	9/12	9/6	9/7	9/8	9/10	9/11	9/12	9/6	9/8
					2		1	Sedge Wren	3	2										1				
					5			Marsh Wren	5	3	5	5	2	4	2	6	1	2		6	1			5
	8	60		99		6		European Starling	173	510	425	464	289	176	373	106	1389	722	144	93	1116	221	213	195
2		4	2	1	6	3	7	Gray Catbird	25	37	29	38	43	21	20	24	71	85	54	47	18	17	41	29
		1					3	Brown Thrasher	4	16	9	9	10	6	8	4	12	22	17	21	16	4	18	11
								Eastern Bluebird			4													
3	39	29	5	17	15			Mountain Bluebird	108	64	199	56	85	27	29	64	26	18	63	31	88	41	97	133
								Townsend's Solitaire												1				
								• Thrush sp. •					1											
								Varied Thrush																
								Veery													2			
							1	Gray-cheeked Thrush	1		13				1		1	1	1				1	1
			1			1	6	Swainson's Thrush	8	11	128	17	2	3	11	5	4	10	14	2	172		11	19
								Hermit Thrush			7						2				2			
11	15	12	2	32	17	21	137	American Robin	247	593	723	389	371	383	498	500	348	635	396	449	548	548	556	312
45	23	14	3	29	54	9	152	Cedar Waxwing	329	194	369	356	544	286	384	291	543	1064	449	380	401	344	473	410
4	32				132	6	609	House Sparrow	783	940	854	765	460	402	516	427	652	790	526	888	905	1548	1202	554
1	30			30			5	American Pipit	66	173	64	9	52	27	97	27	15	52	126	58	1	44	15	9
			3					Sprague's Pipit	3			1			1				3	1				2
								Evening Grosbeak																
7							145	House Finch	152	86	91	52	50	51	53	138	88	100	154	160	120	93	249	44
		2			1			Purple Finch	3	17	21	6	6	3	20	7	15	16	8	5	11		4	8
								Common Redpoll																2
								Red Crossbill																
								White-winged Crossbill			2	5										25		2
							6	Pine Siskin	6	67	440	406	18	36		31	109	5	67	16	107	18	711	130
4	2	12	9	23	32	30	82	American Goldfinch	194	166	183	145	124	128	194	132	295	393	324	231	241	234	248	120
	45		2				1	Lapland Longspur	48	395	150	1	627	380	585	44	41	318	51	23		19	1	17
								Snow Bunting																
	59	4		50			12	• Sparrow sp. •	125	603	465	92	84	200		69	255	163	375	386	202	204	138	228
		1				2	34	Chipping Sparrow	37	9	40	8	14	22	28	34	33	76	34	67	101	28	23	114
1		13			1	8	23	Clay-colored Sparrow	46	34	55	50	50	26	27	42	55	82	27	39	139	25	209	24
								Lark Sparrow			6										1			2
								Lark Bunting																
						1		American Tree Sparrow	1				1	3					15		3			4
						1		Fox Sparrow	1		4					1			2		26			1
						3	3	Dark-eyed Junco	6	144	191	3	11	12	4	18	11	2	14	1	84	10	4	24
2		21				16	25	White-crowned Sparrow	64	117	123	14	67	38	63	30	12	92	17	24	38	10	23	38
								Harris's Sparrow		5	3	1			1	1	1		1	1				
4		22	1		4	23	86	White-throated Sparrow	140	299	722	107	145	78	104	223	107	143	95	73	219	25	60	119
9	48	59	1	47	20	15	2	Vesper Sparrow	201	73	189	81	251	53	76	94	90	153	92	53	103	123	169	192
								Le Conte's Sparrow		1									1				1	
								Nelson's Sparrow																1
				14	1	8	23	Savannah Sparrow	46	95	273	107	13	116	12	30	35	76	25	35	13	19	52	87

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Rural SE/A	Rural SE/B	Rural SE/C	Rural SE/D	Rural SE/E	Rural SE/F	Rural SE/G	City Total	Species	2022 Date	2021 9/10	2020 9/11	2019 9/12	2018 9/7	2017 9/8	2016 9/9	2015 9/10	2014 9/12	2013 9/6	2012 9/7	2011 9/8	2010 9/9	2009 9/10	2008 9/11	2007 9/8
								Baird's Sparrow																
		1	1		1	1	5	Song Sparrow	9	18	23	13	6	7	16	3	6	13	20	9	20	10	28	9
		5				3	9	Lincoln's Sparrow	17	25	52	6	3	7	8	11	62	24	14	12	39	7	40	9
			1				1	Swamp Sparrow	2	12	7			1	2	2			5	1	3	1		2
4		6	4				1	Spotted Towhee	15	12	4	11	5	1	7	12	3	7	10	10	11	8	11	21
		1					13	• Blackbird sp. •	14		130	9	1530		131	625	80	400				166	130	800
	16			3				Yellow-headed Blackbird	19	10	310	55	12	169	94	620	220	417	17	12	405		620	1264
1	7	15	6	14	16	14	4	Western Meadowlark	77	181	287	80	48	76	54	30	36	40	24	39	60	65	27	78
								Baltimore Oriole																
1	31		1			3	15	Red-winged Blackbird	51	35	479	122	768	1356	368	627	219	57	21	163	8	2	167	293
				2				Brown-headed Cowbird	2		4	20	7		4	2			3		1			
		9						Rusty Blackbird	9	2		1												27
26		1		438	670	90	41	Brewer's Blackbird	1266	6403	690	1160	1386	2243	3832	478	1994	4101	565	535	1372	687	733	892
5					2	30	395	Common Grackle	432	418	248	132	623	320	35	185	108	275	94	297	566	7	125	113
		1					27	• Warbler sp. •	28	134	194	242	11	4		31	30	47	125	37	246	37	137	62
							1	Ovenbird	1	5	9	2	3	2	2	1	6	5	1	1	10	1	4	4
							2	Northern Waterthrush	2	3	8	5	2		3	1	4	3	2	3	4	7	9	
							2	Black-and-white Warbler	2	5	10	3	4	7	1		3	6	2	3	15		4	4
		3				2	18	Tennessee Warbler	23	18	129	61	26	15	29	9	30	76	33	10	50	4	38	74
1		5				6	20	Orange-crowned Warbler	32	96	231	136	60	53	32	45	26	90	23	33	184	44	27	61
								• Nashville-like Warbler sp. •																
		2					2	Nashville Warbler	4	3	8	6	6	1			2	2					1	1
								Connecticut Warbler							2			1		2	1			
								Mourning Warbler		1	8				1		2	2		1	4		1	2
			2				13	Common Yellowthroat	15	30	46	9	10		9	3	11	12	13	20	27	4	29	20
		1				1	3	American Redstart	5	2	30	31	20	20	1	2	22	37	6	6	184	4	26	16
							2	Cape May Warbler	2	2	2	5	2	1			2		3	1	1		3	2
						1	1	Magnolia Warbler	2	5	12	11	9	6	4		4	4		4	45		4	6
								Bay-breasted Warbler		1	4	5	6	3	1		1		1		1		3	
								Blackburnian Warbler					1				2							
						3	2	Yellow Warbler	5	15	16	32	48	31	22	8	28	42	14	10	25	6	23	17
1								Chestnut-sided Warbler	1		2	1									3			1
					2		8	Blackpoll Warbler	10	8	40	35	20	10	41	2	9	34	13	4	48	2	37	13
								Black-throated Blue Warbler				1												
2			2	2	1	2	25	Palm Warbler	34	85	129	45	45	48	55	17	35	100	83	7	68	1	19	12
								Pine Warbler																
18	10	11	32	8	26	29	117	Yellow-rumped Warbler	251	575	1208	564	324	297	1066	458	99	308	335	208	947	243	347	552
							1	Black-throated Green Warbler	1		1			1							1			2
								Canada Warbler									1							2
1							1	Wilson's Warbler	2	2	6	5	3	2	2	1	2	12	2	1	5	3	8	1
							1	Rose-breasted Grosbeak	1	1		3	4	1	2		6	15	3	1	1		3	3
2125	3319	1442	195	4054	5995	2797	10760	TOTAL BIRDS	30697	47144	66447	43162	43639	59172	35125	36460	29973	53166	31184	37992	42785	38105	49015	57379

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Rural	Rural	Rural	Rural	Rural	Rural	Rural	City	Species	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
SE/A	SE/B	SE/C	SE/D	SE/E	SE/F	SE/G	Total	Date	9/10	9/11	9/12	9/7	9/8	9/9	9/10	9/12	9/6	9/7	9/8	9/10	9/11	9/12	9/6	9/8
7:27	7:10	8:00	6:35	7:45	8:30	7:05	5:45	Start	5:45	6:32	6:32	6:25	6:44	06:20	06:30	06:00	6:00	6:45	5:30	6:15	6:25	6:47	6:25	6:00
18:10	14:40	17:50	13:20	17:35	20:05	18:32	20:00	End	20:05	20:15	19:45	19:48	21:30	20:30	20:20	22:30	20:10	20:20	20:03	20:20	20:10	20:23	20:15	20:30
5.7	7.3	7.8	2.0	7.8	9.1	5.6	3.7	Car Party Hours	49	58	65	65	59	63	66	64	63	64	66	44	77	57	59	70
5.0	0.3	2.0	4.8	2.2	7.5	3.9	60.9	Foot Party Hours	86	84	95	73	61	77	83	79	63	88	73	93	89	80	102	81
							12.0	Bicycle Party Hours	12	14	3	5	4											
								Train Party Hours																
								Other Party Hours																
10.7	7.5	9.8	6.8	10.0	16.6	9.5	76.5	TOTAL Party Hours	147	156	163	143	124	140	149	143	126	152	138	137	166	137	161	150
150.0	160.0	162.0	30.4	171.0	193.0	159.0	81.3	Car Party km	1107	1067	1153	1270	1143	1351	1118	1298	1296	1196	1197	1025	1385	1261	1311	1288
15.0		5.0	10.4	1.5	5.0	4.3	152.0	Foot Party km	193	111	139	114	66	109	102	95	71	81	82	144	173	90	129	100
							60.0	Bicycle Party km	60	26	8	10	10											2
								Train Party km																
								Other Party km																
165.0	160.0	167.0	40.8	172.5	198.0	163.3	293.3	TOTAL km	1360	1204	1292	1394	1219	1459	1220	1393	1367	1277	1279	1169	1558	1352	1442	1388

Teams (Leaders)

Rural

SE/A Robert Johanson, Masoud Javadi
 SE/B Marten Stoffel
 SE/C Ron Jensen, Julie Jensen, Lyle Derald
 SE/D Mike Gollop
 SE/E John Patterson, Marc Sabourin
 SE/F Stan Shadick, Jan Shadick, Al Scholz
 SE/G Janine McManus

Unique Species

Chestnut-sided Warbler
 Common Goldeneye, Sharp-tailed Grouse, Yellow-bellied Sapsucker
 Common Merganser, Yellow-bellied Flycatcher, Philadelphia Vireo, Rusty Blackbird
 Ruffed Grouse, Sprague's Pipit
 Ring-necked Duck, Marbled Godwit, Stilt Sandpiper, Least Sandpiper, Brown-headed Cowbird
 Bonaparte's Gull, Northern Goshawk, Marsh Wren
 Ross's Goose, Hooded Merganser, Whooping Crane, Black-bellied Plover, Black Tern, American Tree Sparrow

City

U Kyron Giroux, Jade Allard
 C Monica Salles, Lu Na
 N Craig Salisbury, Lorriene Salisbury
 NE Meghan Mickelson, Carol Blenkin, Norm Derkson, Scott Mitchell
 E Norman Zlotkin, Genevieve Leslie
 SE1 Kerry Hjertaas, Stephanie Gauthier, Ryan Dudgeon
 SE2 Sara Bryson, Alice Gibson
 S-C Craig Salisbury, Lorriene Salisbury, Bill Robertson, Mary Maxwell
 S Nick Saunders
 SW Nick Saunders, Kathlin Simpkins
 NW David Forbes

Fox Sparrow

Rough-legged Hawk, Alder Flycatcher, Northern Waterthrush, Rose-breasted Grosbeak
 Gray-cheeked Thrush, Pine Siskin
 Black-crowned Night-Heron
 Ovenbird, Black-throated Green Warbler

Weather

Temperature Range: -1 to 23°C
 Sky: Partly overcast early morning, then mostly clear
 Rain: None
 Wind: 8 to 27 kph (increased from mid-morning to mid-afternoon)

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Rural	Rural	Rural	Rural	Rural	Rural	Rural	City	Species	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	
SE/A	SE/B	SE/C	SE/D	SE/E	SE/F	SE/G	Total	Date	9/10	9/11	9/12	9/7	9/8	9/9	9/10	9/12	9/6	9/7	9/8	9/10	9/11	9/12	9/6	9/8	
								• Shrew spp. •																	
								Prairie Shrew																	
					1			• Bat spp. •	1									1							
								Raccoon									1								
								• Weasel spp. •																	
								Long-tailed Weasel																	
								Short-tailed Weasel													1				
								Mink					2											1	
								Badger		3															
								Skunk																	1
			4		1		3	Coyote	8	10		2	3		3		9	4		2	17	8	12	4	
								Red Fox			1							1	3				1		
		15			1			Richardson's Ground Squirrel	16	6	3	28	5		3	3	2	12	11	5	114	291	62	8	
					1			13-lined Ground Squirrel	1	1		1	1		2			1	3	2	2	2			
							1	Franklin's Ground Squirrel	1		1	1				1		1					1	1	
2		12	7				18	Least Chipmunk	39	41	40	21	8	4	29	8	27	21	22	13	16	41	30	12	
								Eastern Fox Squirrel																	
							9	Red Squirrel	9	15	13	8	4	3	3	4	2	8	5	6		4	1		
			1					Beaver	1	4		4				1	2	3		2	2	1	3		
							1	• Mouse spp. •	1	2															
								Deer Mouse									1				1				
								Vole										1							
	1							Muskrat	1	1		1	2		11	5	12	22	7	13	1	4	25	28	
								Porcupine																	
							11	White-tailed Jack Rabbit	11	10	11	3	7	2	9	5	5	1	4	2	2		4	3	
		2			1			Snowshoe Hare	3	1			4	1	3					1			1	1	
		3		3			2	Mule Deer	8	35	12	8	19		5	6	7	1	8	1	9	1	24	20	
3	5		1		3			White-tailed Deer	12	33	7	5	20	2	3	13	7	6	10	6	21	13	17	26	
						1		American Elk	1	1															
								Moose		3						2				1					
								Pronghorn																	
								Tiger Salamander												1					
1								Leopard Frog	1			1			1		3		12		1	5	7	2	
								Wood Frog		1						2	1		1		3		3	2	
								Canadian Toad												1	1		2	15	
								Boreal Chorus Frog													2				
								• Garter Snake spp. •									1		1		1				
								Western Plains Garter Snake					1				1				2	1			
								Common Checkered Skipper																	
								Plains Skipper									1			1					
								• White spp. •							20	212		1	2		1		4	2	
							2	Checkered White	2																
			2				30	Western White	32	3		1							5		1	3		1	
							6	Cabbage White	6		3	267	23		171	1163	122	68	12	1599	139	231	8	70	

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Rural SE/A	Rural SE/B	Rural SE/C	Rural SE/D	Rural SE/E	Rural SE/F	Rural SE/G	City Total	Species	2022 Date	2021 9/10	2020 9/11	2019 9/12	2018 9/7	2017 9/8	2016 9/9	2015 9/10	2014 9/12	2013 9/6	2012 9/7	2011 9/8	2010 9/9	2009 9/10	2008 9/11	2007 9/12
		x						• Sulphur spp. •				1			15	231	3	1	4	17	5			10
			2				32	Clouded Sulphur	34	4	2	68	2		67	924	48	154	83	364	142	257	14	64
								Orange Sulphur									1		53					
								Purplish Copper								1	1		1					3
							1	• Blue spp. •							1							1		
								Melissa Blue	1			1								2				
								• Large Fritillary spp. •										3		1	1		1	
								Variegated Fritillary												2		1	3	
								Great Spangled Fritillary									1						3	
								Aphrodite Fritillary																1
								• Small Fritillary spp. •							1									
								Meadow Fritillary												1	1			2
								Northern Crescent			1													
								• Comma spp. •								1				1			1	
								Eastern Comma												1				
								Satyr Comma							1	1		2	1	1			1	
								Green Comma														1		
								Gray Comma			1					2	1		1					
								Compton Tortoiseshell										3		1				
								Mourning Cloak				3			1	1	1	4	237	4	1	3		2
								Milbert's Tortoiseshell					1	1	2	1		1	6	5	9	5		1
								Painted Lady				6												
								Red Admiral			1	1			1	1		1	16		2	1		
								White Admiral								2								
								Viceroy												1				
								Monarch												11				
								Woolly Bear Caterpillar									1					1		6
								Orange Underwing				1												
								Cricket															5	10
							3	• Dragonfly spp. •	3		2	2								48				
							1	Variable Darner	1			3			1	2	3	2	4	2				
								Lance-tipped Darner									1							
								Common Green Darner				2								1				
								Variegated Meadowhawk												1				
							5	Cherry-faced Meadowhawk	5		3	7			1				2					
							1	Saffron-winged Meadowhawk	1							3	2	3	6					
							2	Black Meadowhawk	2		3	12			3		2	4	2					
								• Damselfly spp. •																
								Spotted Spreadwing													1			
								Lyre-tipped Spreadwing												3				
								Boreal Bluet												2				