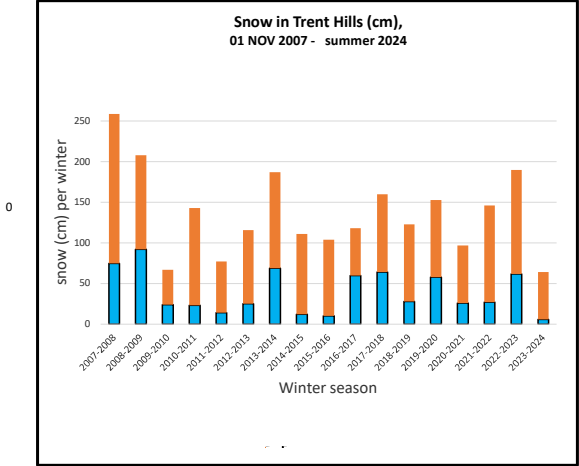


ESTIMATES OF SNOWFALL IN TRENT HILLS, Q4-2007 through Q2-2024

Year (winter)	OCT-DEC (cm)	JAN-APR (cm)	Total (cm)	Notes	Pre-NY as % total	First	Last
2007-2008	75	184	259	Q4 2007	29%	22-Nov	26-Mar
2008-2009	92	116	208	Late 2008 inexact	44%	16-Nov	06-Apr
2009-2010	24	43	67		36%	01-Dec	21-Mar
2010-2011	23	120	143		16%	27-Nov	31-Mar
2011-2012	14	63	77	Early 2012 inexact	18%	30-Nov	01-Apr
2012-2013	25	91	116		22%	05-Nov	02-Apr
2013-2014	69	118	187		37%	27-Nov	30-Mar
2014-2015	12	99	111		11%	13-Nov	30-Mar
2015-2016	10	94	104	2 cm (24 Nov), 8 cm (29 Dec)	10%	24-Nov	04-Apr
2016-2017	60	58	118	"Peak winter" circa 15 Feb, then dramatic thaws through end of Feb....	51%	21-Nov	07-Apr
2017-2018	64	96	160	1 cm (19 Nov). First solid snow (8 cm) on night of 11-12 Dec.... No snow, 10 Feb to late on 7 Mar. Nothing but flurries after 14 Mar until 14-15 Apr ice storm.	40%	19-Nov	15-Apr
2018-2019	28	95	123	Earliest 1-cm snowfall since 2007 or before, on 27 Oct. 6 cm	23%	27-Oct	31-Mar
2019-2020	58	95	153	First fall of 1 cm or more: long fall of fluffy, sticky snow, night of 6-7 NOV, 2130-0830 hrs, 10 cm. 2+9 cm, 11-12 Nov	38%	07-Nov	15-Apr
2020-2021	26	71	97	Includes 14 cm, 15-16 Feb. 89 through 28 Feb, then long gap - a few flakes on 01 Apr, and then 8 cm of fluffy snow on 21 Apr. A few flakes as late as 28 May.	27%	27-Oct	21-Apr
2021-2022	27	119	146	Barely 1 cm overnight, 14-15 NOV, for starters. Just 33 cm by 16 Jan (6 cm on 1-15 Jan), then 34 cm on the night of 16-17 Jan, 6 cm on 18-19th. After 14 Mar, big gap until night of 18-19 Apr.	18%	15-Nov	19-Apr
2022-2023	62	128	190	3 cm of snow, 15-16 Nov. 25 cm 15-16 DEC to 0800, 1 cm later. See notes for detail. Year-end thaw. Finally, 12 cm light snow on 13 Jan and 3 more nice falls in January. 61 cm in 3 falls in 10-day period, 22 FEB to 4 MAR (34% of total winter fall to that date).		15-Nov	29-Mar
2023-2024	6	58	64	Least-snowy winter since (?)		29-Nov	04-Apr

	17 winters' pre-New Year:	17 winters' data	17 winters' data	Pre-NY as % total	First	Last
2007-2024 17 winters	"AVERAGE WINTER"			2007-2023 (n=7 winters)	Grand average:	
	39.7	96.9	136.6	Mean	28%	Starts 17-Nov Ends 04-Apr
	27	34	53	1 std dev	13%	Snow season Starts 27-Oct Ends 21-Mar
17-year totals	675	1648	(Mean = 4'6") 2323	Mean if O-D >50 cm Mean if O-D <50 cm	40% 20%	to 01-Dec to 21-Apr



Note - the odd few flakes do not count here - at least 1 cm has to fall to be recorded.

Based on estimates in Seymour Twp., and mostly in Campbellford

The chart suggests that snowy winters have >50 cm of snow before New Year, whereas less snowy winters have <30 cm of snow in early winter. Better than a groundhog?

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2016-2017 was an anomalous winter, with a much higher proportion of total snow before the end of December.

Note: sunspot cycle 24 began (see https://en.wikipedia.org/wiki/Solar_cycle#Cycle_24) on 08 January 2008, and cycle 25 started some time in December 2019. Cycle 24 was a relatively quiet cycle, based on records going back to 1755, with few sunspots. The next peak of sunspot activity will be in 2025. Though 2008 and 2019 both started snowy, data are inadequate to see a firm correlation. Annual snow variations are much greater than range in solar energy over sunspot cycle: so pure coincidence (?).