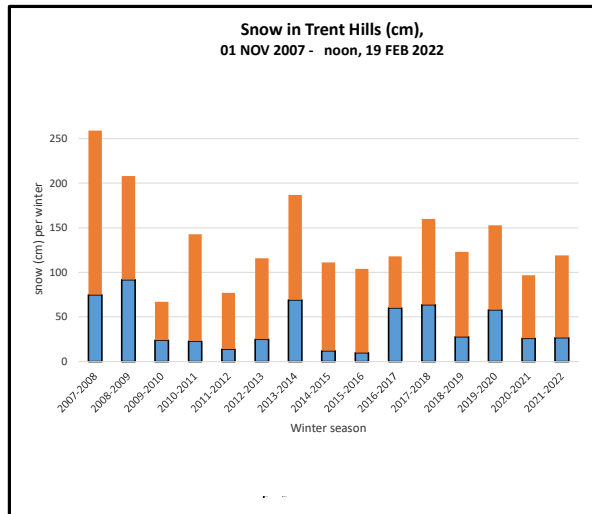


ESTIMATES OF SNOWFALL IN TRENT HILLS, Q4-2007 into Q1-2022

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	6-Apr
2009-2010	24	43	67		36%	1-Dec	21-Mar
2010-2011	23	120	143		16%	27-Nov	31-Mar
2011-2012	14	63	77	Early 2012 inexact	18%	30-Nov	1-Apr
2012-2013	25	91	116		22%	5-Nov	2-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	4-Apr
2016-2017	60	58	118	"Peak winter" circa 15 Feb, then dramatic thaws through end of Feb....	51%	21-Nov	7-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%	7-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	92	119	Barely 1 cm overnight, 14-15 NOV, on lawns, foliage, garage roof, not on road. First road coverage & shovel after 3 cm, 29 Nov. 6 cm in NOV, 21 cm in DEC. 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	23%	15-Nov	?

	13 winters' pre-New Year:	13 winters' data	13 winters' data	2007-2020 (n=13 winters)	Starts	Ends
2007-2020	"AVERAGE WINTER"			Mean	18-Nov	1-Apr
13 winters	42.6	97.8	140.5	29%	Snow season	
	28	35	54	1 std dev	27-Oct	21-Mar
13-year totals	554	1272	1826	Mean if O-D >50 cm	1-Dec	15-Apr
				Mean if O-D <50 cm		
				40%		
				19%		



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 the end (to be determined) will be sometime from mid-2019 to late 2020. It may be the least active cycle since records began in 1750, with the least sunspots. Will the next two winters be snowy? Annual snow variations are much greater than range in solar energy over sunspot cycle: so pure coincidence (?).