

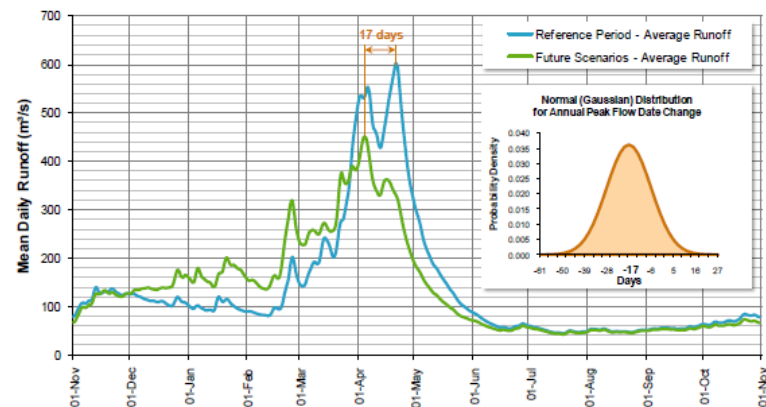
Water Management



Competing Interests and Climate Change

- In the event of wet conditions:
- Public Safety can be endangered with increased water levels/flows.
- Resulting high flows can disrupt navigation along the waterway.
- High flows allow fish to spawn in elevated areas prone to declines.
- Excess spill at many hydro generating stations.

Figure 4-6 - Ensemble Average Mean Daily Runoff for the Future scenarios (2041–2070) and Mean Daily Runoff for the Reference Period (1970–1999)



Competing Interests

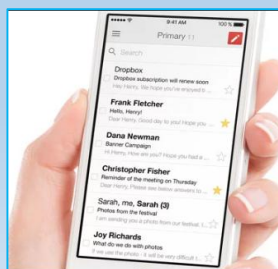
- In the event of dry conditions:
- Public Health is not initially endangered,
- Water quality can be endangered.
- Navigation can be threatened as lake levels decline
- Fish spawn in shallow areas are in danger of being left dry.
- Reservoir lake levels drop more than normal.
- Hydro generation is diminished as water flow is reduced.



Daily Routine



Daily email to water managers



Local Servers run Automated Scanning Script

Electronic database compiles automated and manual data for use by the Water Management Team



Communicate information to CA's, MNRF and EMS



Ministry of Natural Resources

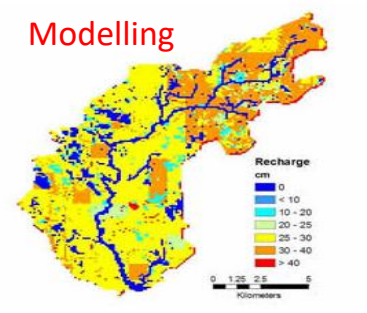
FLOOD FORECASTING



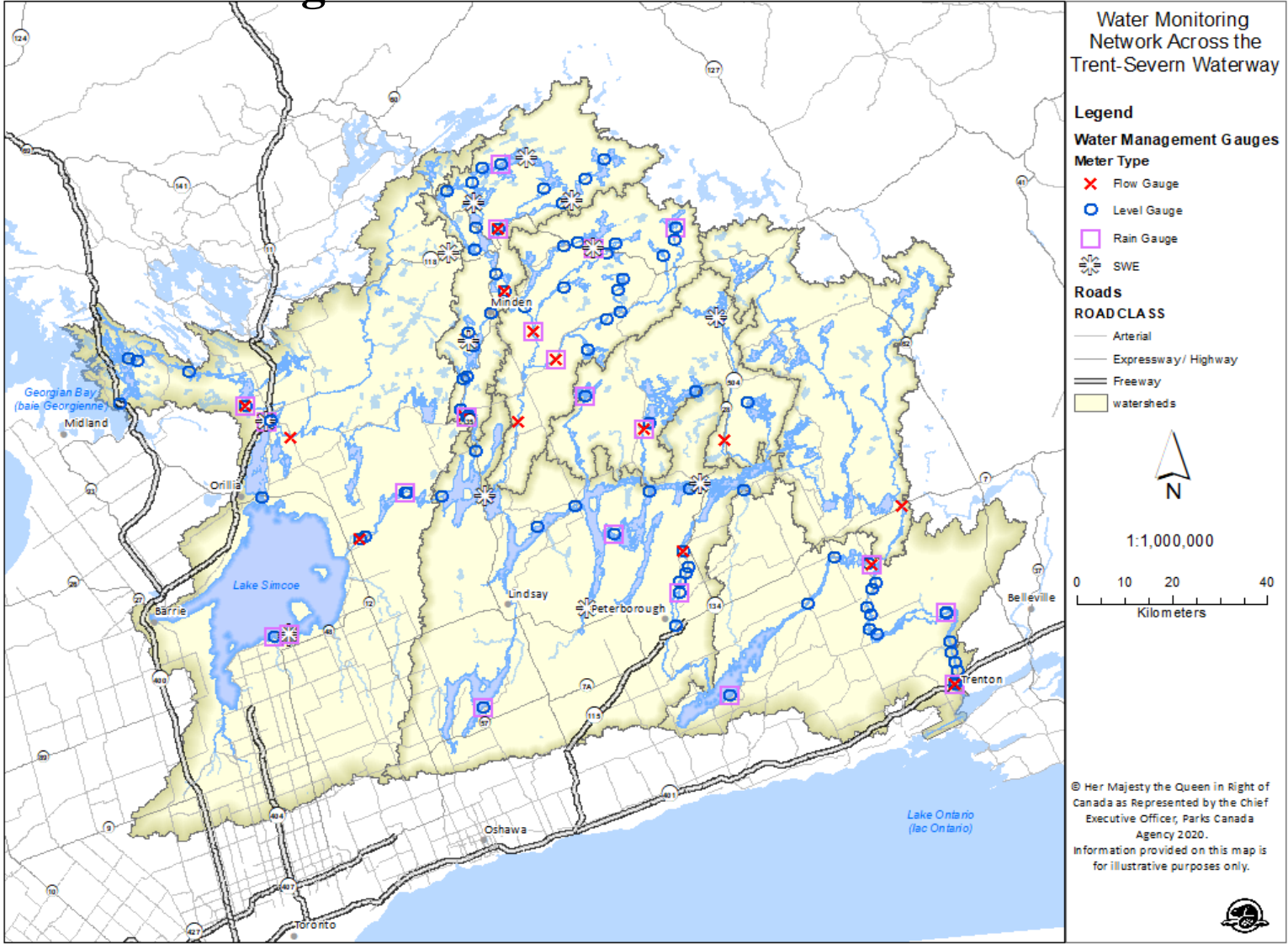
StopLog Operations



Modelling



Trent-Severn Monitoring Network



Water Management of Ontario Waterways

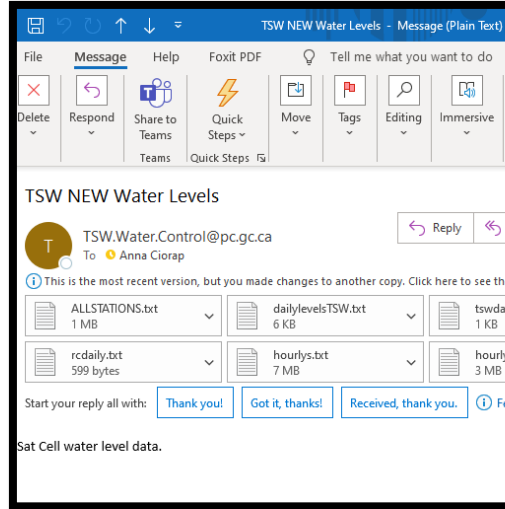




Daily operating cycle 24/7-365

Daily Email

Operational real-time data and alarm



24 hour change

dailylevels (003).txt - Notepad

File Edit Format View Help

Bobs/Crow Lakes
yesterday:161.372
today:161.379
change:0.007

Bobs Flow
yesterday:8.249
today:8.257
change:0.008

Bobs Rain
yesterday:56.35
today:59.33
change:2.98

Tay River at Bobs
yesterday:8.069
today:8.074
change:0.005

Christie Lake
yesterday:154.072
today:154.077
change:0.005

Tay River Flow
yesterday:7.159
today:7.152
change:-0.007

south_sector (17).txt - Notepad

File Edit Format View Help

	HealeyDam-11	HWQ	CroweBay-11	Ranney-11	Meyers-11	PercyReach-11	GlenrossUpper-11	GlenrossLower-12	Lock6-11	Lock5-11	Trenton-11	TRQ
2024-01-17 06:00:00	183.689	106.49	60.555	146.255	123.959	113.727	113.406	111.403	109.990	105.170	79.539	257.10
2024-01-17 07:00:00	183.685	107.06	60.558	146.276	123.952	113.724	113.405	111.437	109.965	105.164	79.530	251.81
2024-01-17 08:00:00	183.679	106.49	60.568	146.291	123.948	113.722	113.400	111.459	109.936	105.130	79.529	0.00
2024-01-17 09:00:00	183.676	105.34	60.585	146.212	123.956	113.717	113.401	111.452	109.914	105.102	79.519	0.00
2024-01-17 10:00:00	183.678	89.81	60.599	146.161	123.931	113.718	113.414	111.391	109.976	105.160	79.513	0.00
2024-01-17 11:00:00	183.679	88.47	60.618	146.076	123.848	113.723	113.420	111.383	109.907	105.251	79.452	0.00
2024-01-17 12:00:00	183.683	86.88	60.620	146.140	123.783	113.715	113.411	111.380	109.946	105.296	79.471	245.75
2024-01-17 13:00:00	183.686	86.88	60.627	146.169	123.777	113.709	113.417	111.373	110.017	105.342	79.496	245.65
2024-01-17 14:00:00	183.687	86.35	60.633	146.248	123.823	113.702	113.413	111.360	110.050	105.351	79.518	252.64
2024-01-17 15:00:00	183.691	87.14	60.636	146.194	123.906	113.694	113.407	111.337	110.048	105.343	79.553	257.22
2024-01-17 16:00:00	183.695	87.14	60.638	146.214	123.950	113.691	113.399	111.315	110.057	105.311	79.574	260.37
2024-01-17 17:00:00	183.695	87.14	60.637	146.177	123.966	113.687	113.393	111.304	110.045	105.271	79.565	259.07
2024-01-17 18:00:00	183.697	87.67	60.635	146.179	123.936	113.691	113.391	111.280	109.991	105.180	79.540	253.31
2024-01-17 19:00:00	183.699	87.41	60.631	146.215	123.935	113.689	113.397	111.280	109.991	105.180	79.540	253.31
2024-01-17 20:00:00	183.699	88.74	60.628	146.228	123.953	113.684	113.402	111.280	109.991	105.180	79.540	253.31
2024-01-17 21:00:00	183.699	87.94	60.624	146.188	123.964	113.686	113.390	111.280	109.991	105.180	79.540	253.31
2024-01-17 22:00:00	183.694	87.94	60.619	146.195	123.930	113.692	113.394	111.280	109.991	105.180	79.540	253.31
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2024-01-18 00:00:00	183.694	82.96	60.622	146.214	123.879	113.706	113.395	111.280	109.991	105.180	79.540	253.31
2024-01-18 01:00:00	183.689	83.47	60.625	146.183	123.898	113.713	113.382	111.280	109.991	105.180	79.540	253.31
2024-01-18 02:00:00	183.685	83.73	60.626	146.169	123.884	113.719	113.379	111.280	109.991	105.180	79.540	253.31
2024-01-18 03:00:00	183.681	85.04	60.627	146.153	123.880	113.727	113.375	111.280	109.991	105.180	79.540	253.31
2024-01-18 04:00:00	183.673	85.30	60.628	146.157	123.873	113.735	113.371	111.280	109.991	105.180	79.540	253.31
2024-01-18 05:00:00	183.667	87.41	60.637	146.161	123.868	113.739	113.368	111.280	109.991	105.180	79.540	253.31
2024-01-18 06:00:00	183.658	87.41	60.645	146.167	123.869	113.745	113.365	111.280	109.991	105.180	79.540	253.31
2024-01-18 07:00:00	183.649	88.47	60.658	146.174	123.865	113.750	113.366	111.280	109.991	105.180	79.540	253.31
2024-01-18 08:00:00	183.640	88.47	60.673	146.185	123.858	113.753	113.367	111.280	109.991	105.180	79.540	253.31
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2024-01-18 10:00:00	183.628	73.86	60.704	146.179	123.841	113.763	113.368	111.280	109.991	105.180	79.540	253.31
2024-01-18 11:00:00	183.626	72.87	60.710	146.139	123.831	113.767	113.362	111.280	109.991	105.180	79.540	253.31
2024-01-18 12:00:00	183.625	72.63	60.711	145.999	123.855	113.765	113.345	111.280	109.991	105.180	79.540	253.31
2024-01-18 13:00:00	183.624	72.87	60.710	145.875	123.987	113.763	113.344	111.280	109.991	105.180	79.540	253.31
2024-01-18 14:00:00	183.626	72.14	60.711	145.787	124.060	113.760	113.376	111.280	109.991	105.180	79.540	253.31
2024-01-18 15:00:00	183.627	74.10	60.705	145.772	124.058	113.760	113.398	111.280	109.991	105.180	79.540	253.31

Water Level Alarm: SCOTTS MILLS DAMLOCK6

ONW.Water.Control@pc.gc.ca
To Anna Ciorap

This is the most recent version, but you made changes to another copy.

report_file_min.txt
464 bytes

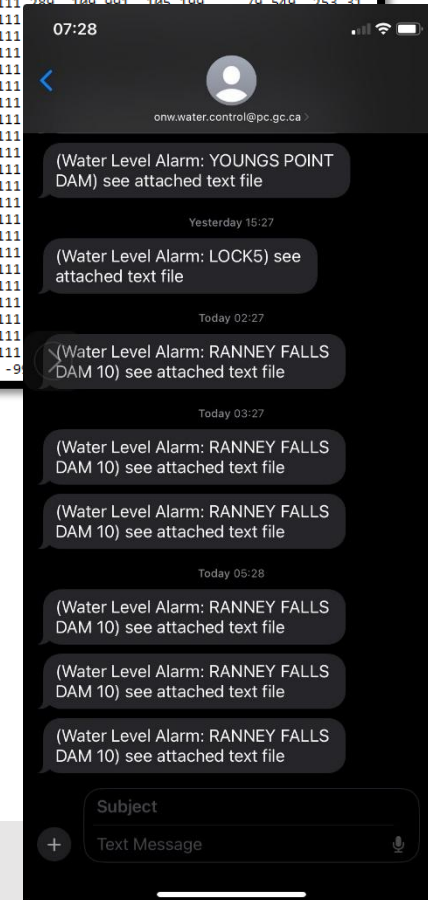
see attached text file

report_file_min (005).txt - Notepad

File Edit Format View Help

SCOTTS MILLS DAM
level higher. 89.3
current level: 89.361
difference: 0.061 higher

LOCK6
level below. 109.9
current level: 109.774
difference: -0.126 lower



Spreadsheet Management

Inflow Forecasting

Winter 2025

Have we had more snow in Ontario this winter or does it just feel that way? The answer may surprise you

Environment Canada provides some insight into what we're experiencing in Ontario through the winter of 2024-25.



By **Dominik Kurek** InsideHalton.com

Tuesday, February 11, 2025 | ⌚ 1 min to read

🔄 Article was updated Feb 13, 2025



💬 JOIN THE CONVERSATION



CANADA

Storm buries parts of Ontario under nearly a metre of snow, thousands without power



Spring 2025

Power outages persist in hard-hit areas after Ontario ice storm

THE CANADIAN PRESS
PUBLISHED APRIL 1, 2025



Broken tree limbs lie scattered on the grounds of Codrington Public School after an ice storm in Barrie, Ont.,

Spring storm brings heavy rain localized flooding to parts of southern Ontario

Overnight storms dumped as much as 75 millimetres of rain in some areas

By The Canadian Press | April 3, 2025 | Last updated on April 3, 2025
2 MIN READ

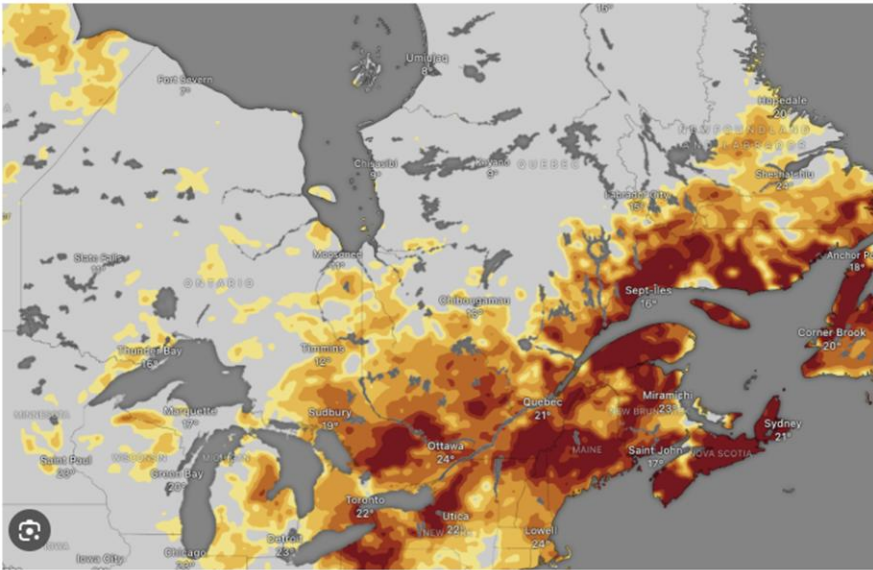


Summer 2025



Canada's 2025 summer forecast spotlights heat dome and ring of fire - The

Visit >



Canada's 2025 wildfire season a wake-up call—more populated areas are under threat | The Pointer

Visit >

Images may be subject to copyright. Learn More

Township of Minden Hills

August 11, 2025:
Active Forest Fire in Burnt River area

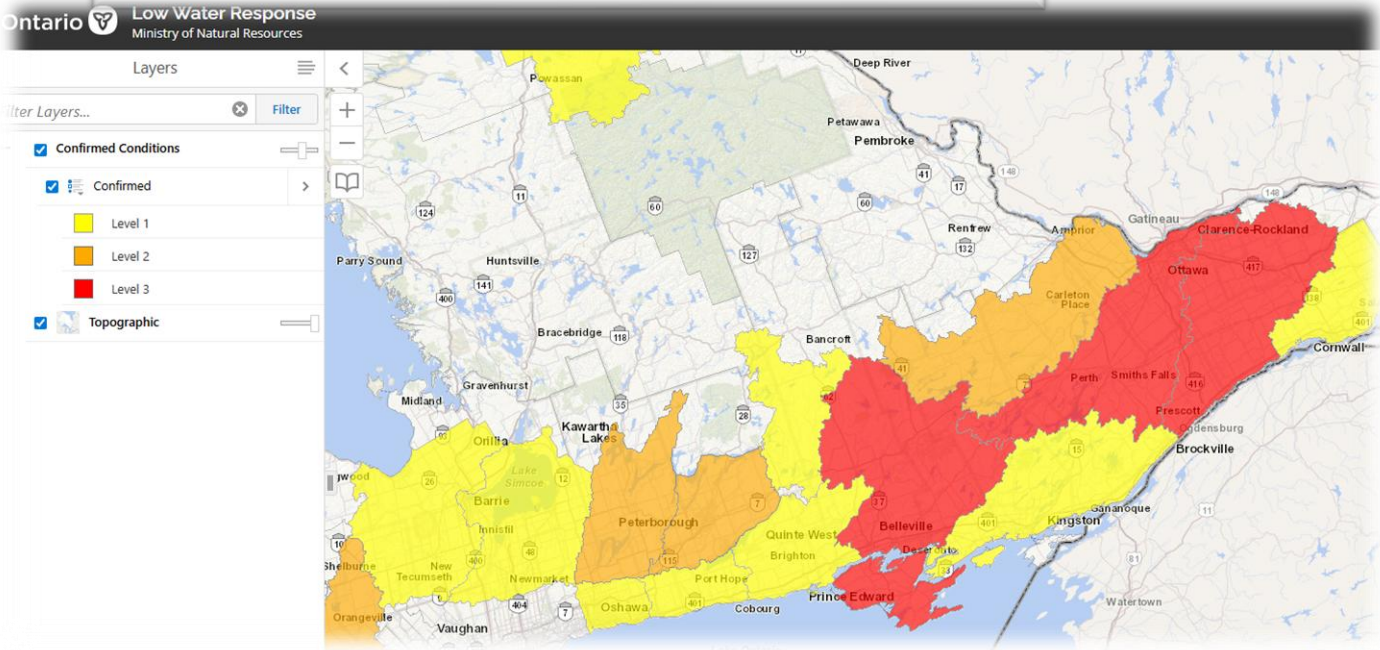
1. Avoid the area
2. Note road closure on Cty Rd 49
3. Fire Burn Ban remains in place



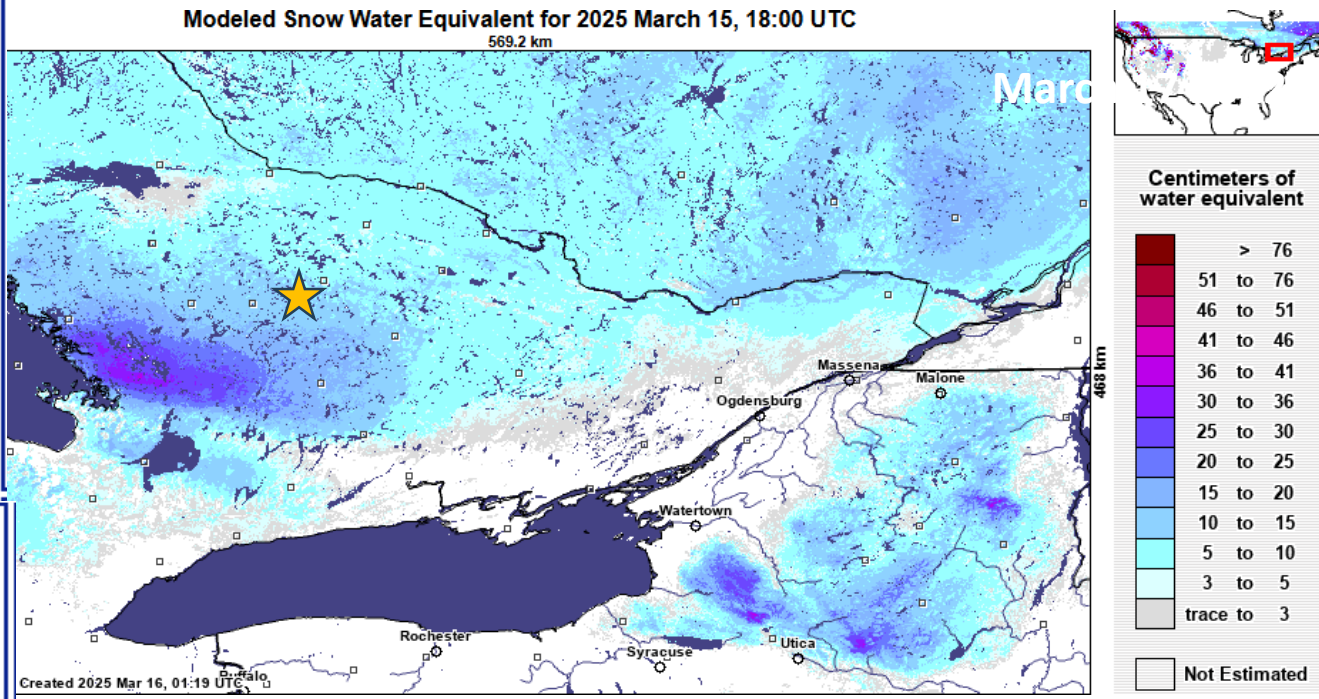
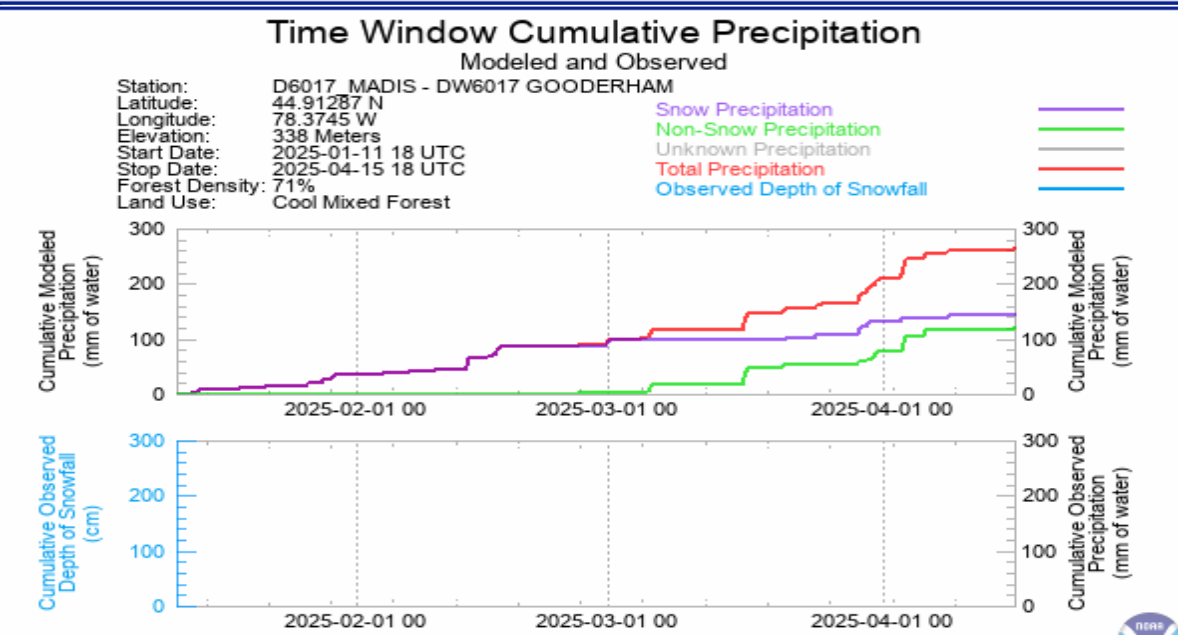
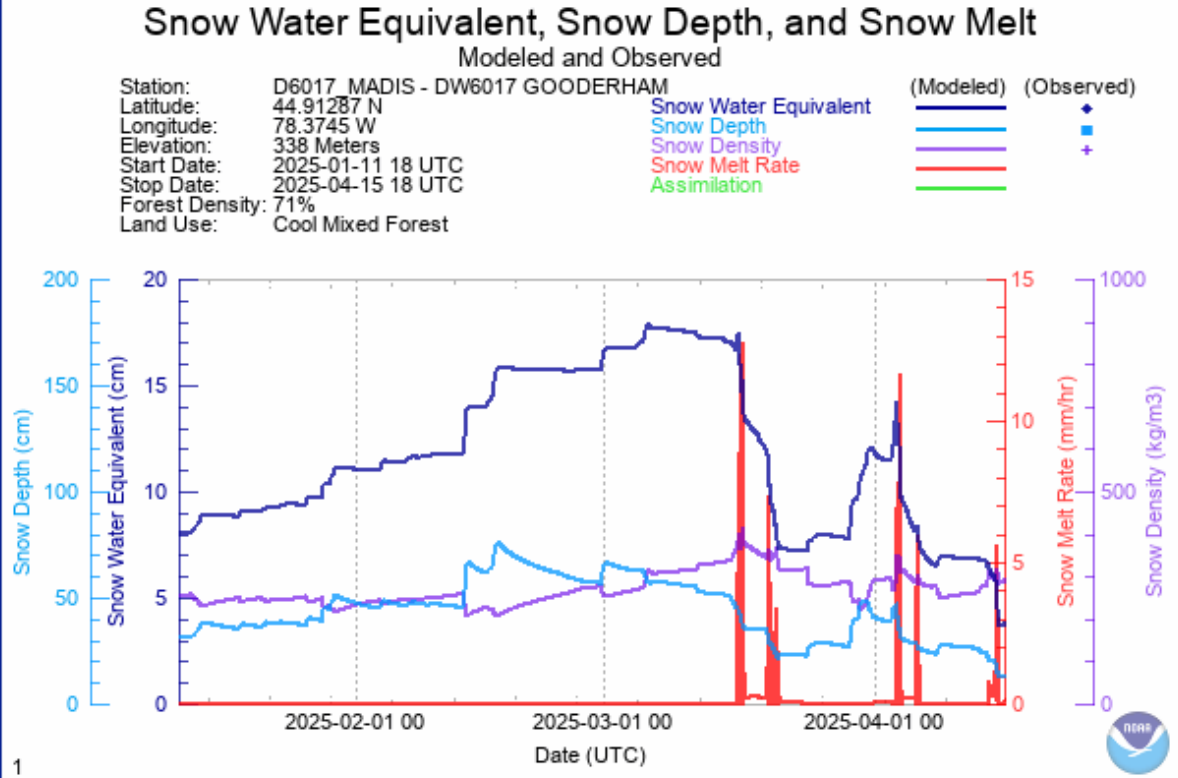
fireprevention@kawarthalakes.ca 705-324-9411 www.kawarthalakes.ca/fire

Forest Fires in Areas Around Haliburton County - August 11, 2025 - Township of

Visit >

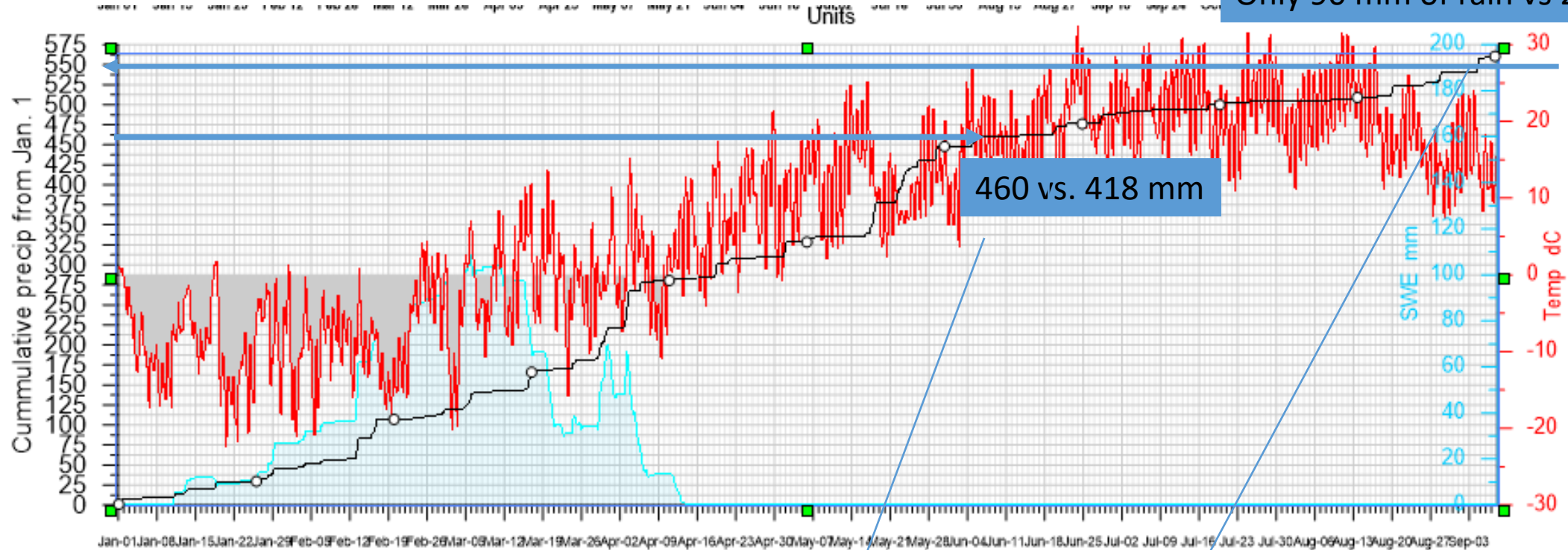


Snow Cover Distribution and Peak Values



2025 Climatic Conditions

550 vs. 670
Only 90 mm of rain vs 251 mm normal

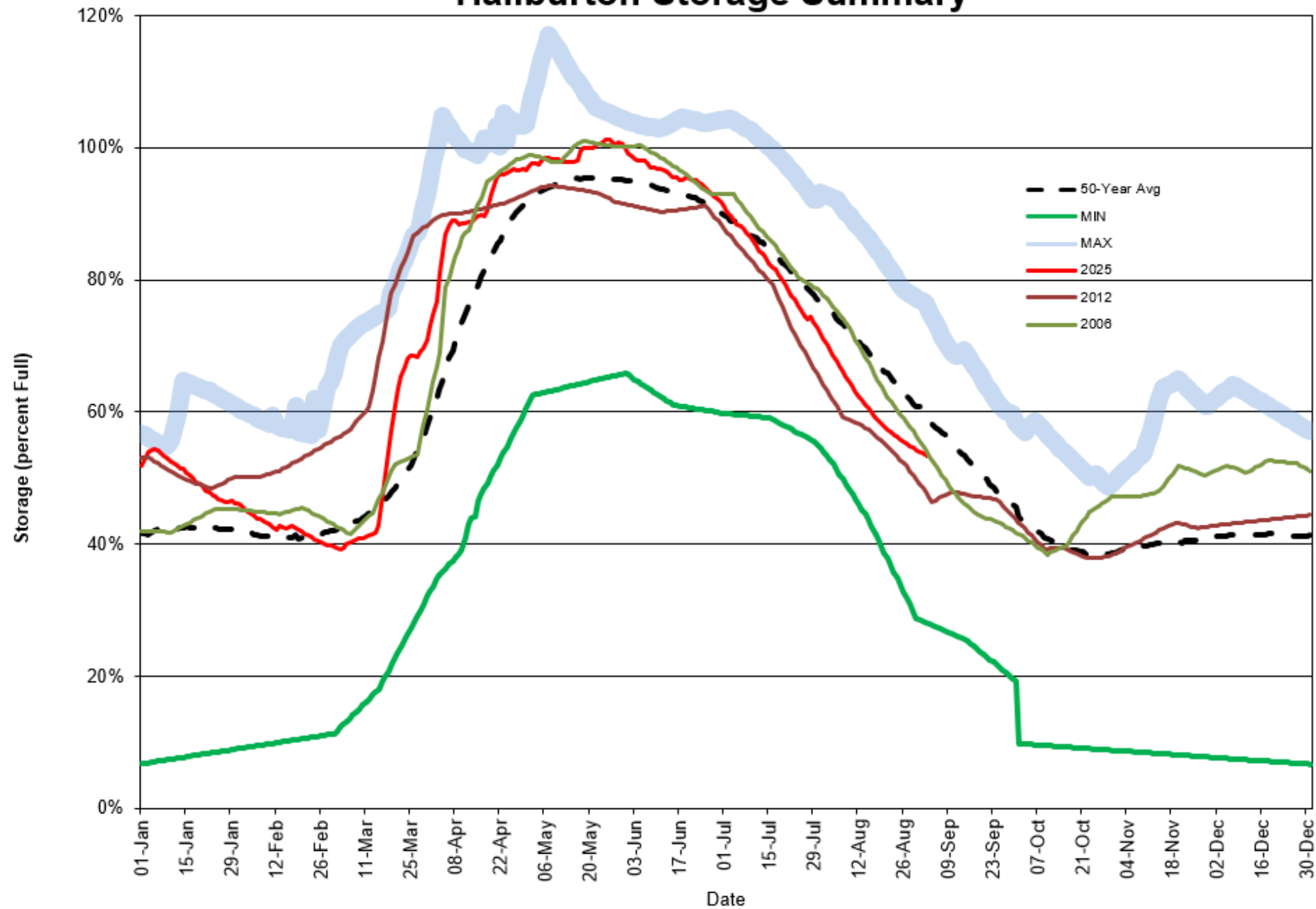


1981 to 2010 Canadian Climate Normals station data

Precipitation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
Rainfall (mm)	33.7	21.2	37.4	56.1	90.8	81.2	90.1	79	100.2	93.1	83.4	27.7	793.9	D
Snowfall (cm)	66.9	52.7	37.9	19.4	2.5	0	0	0	0.1	7.1	32.9	60.1	279.6	D
Precipitation (mm)	100.6	73.9	75.4	75.6	93.3	81.2	90.1	79	100.2	100.2	116.4	87.7	1073.5	D
Cumulative PPT	100.6	174.5	249.9	325.5	418.8	500	590.1	669.1	769.3	869.5	985.9	1073.6		

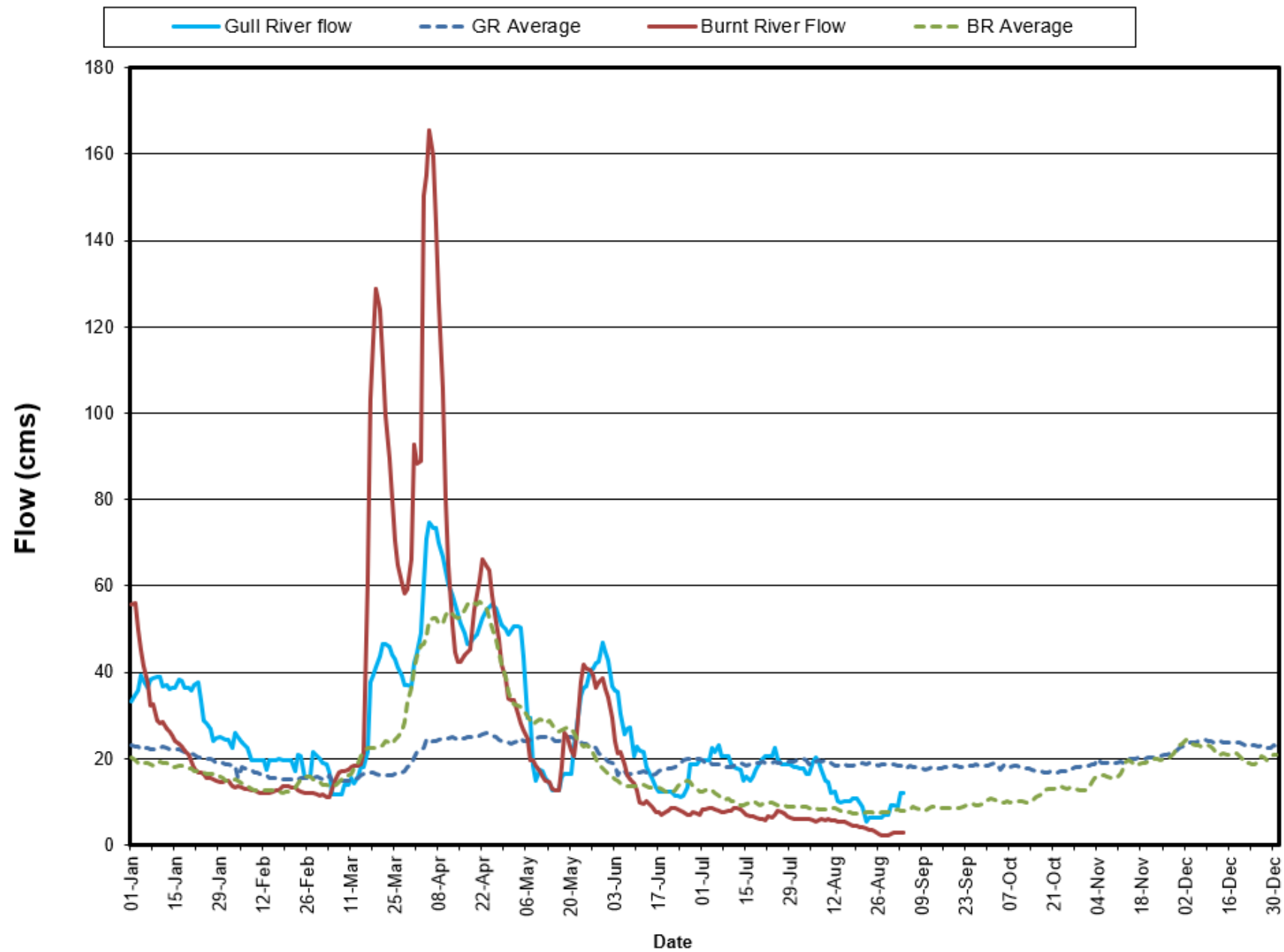
Haliburton Storage Summary

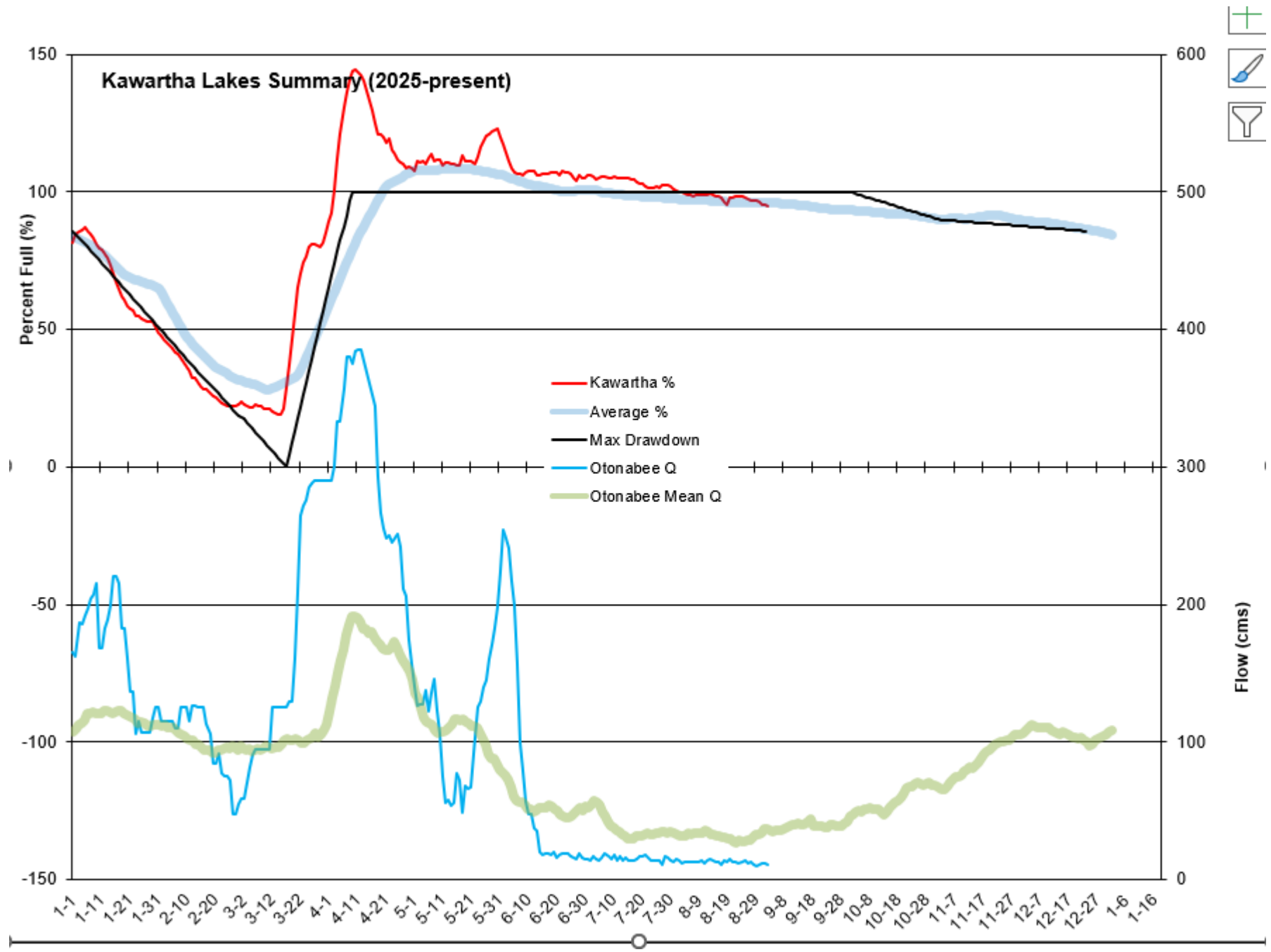


Drought management and Constraints

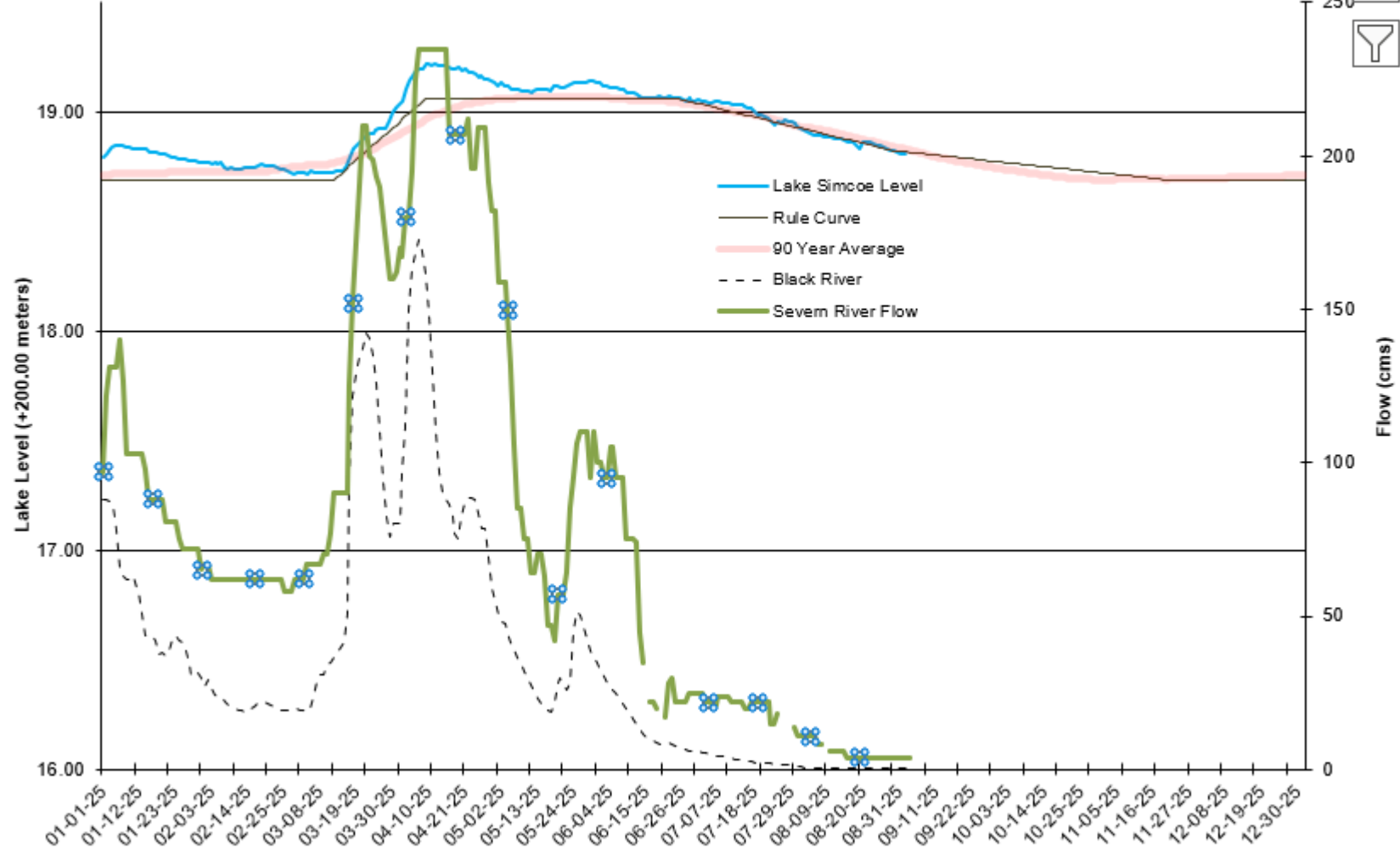
- Jacking the dams
- Gradual reduction below the minimum flow values as per historic management (while sustaining water for city intake wells, treatment plant businesses and environmental flow)
- Gradual reduction below the minimum navigation flow values as per historic management
- Lowering the Kawartha Lakes below full supply

Haliburton Flow Summary





Severn River Basin Summary



Winter 2025/2026 First Snowfall Predictions: La Niña Jet Stream Patterns Emerging

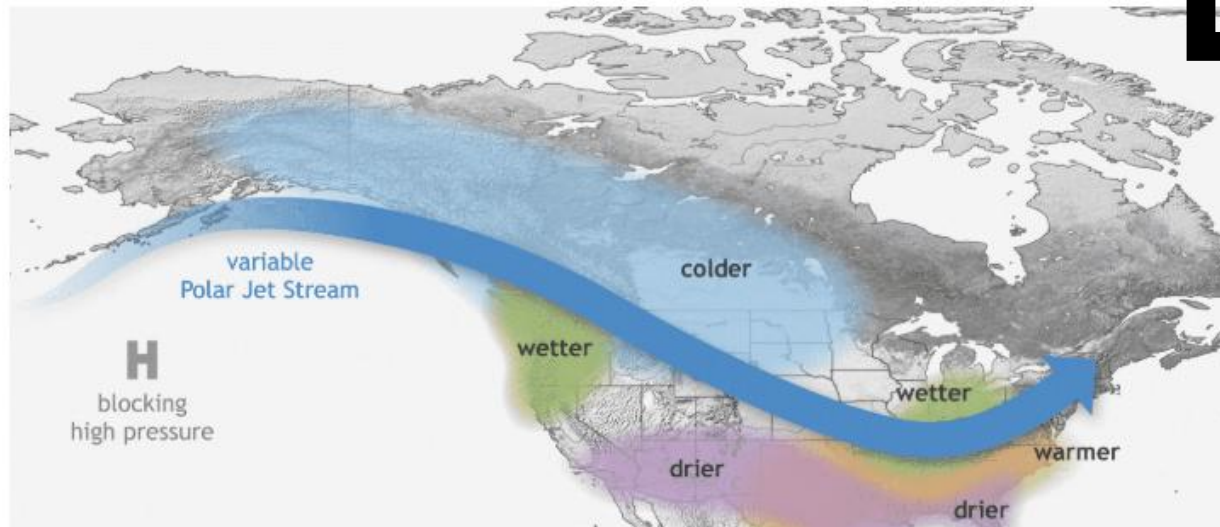
By Andrej Flis

Published: 03/09/2025

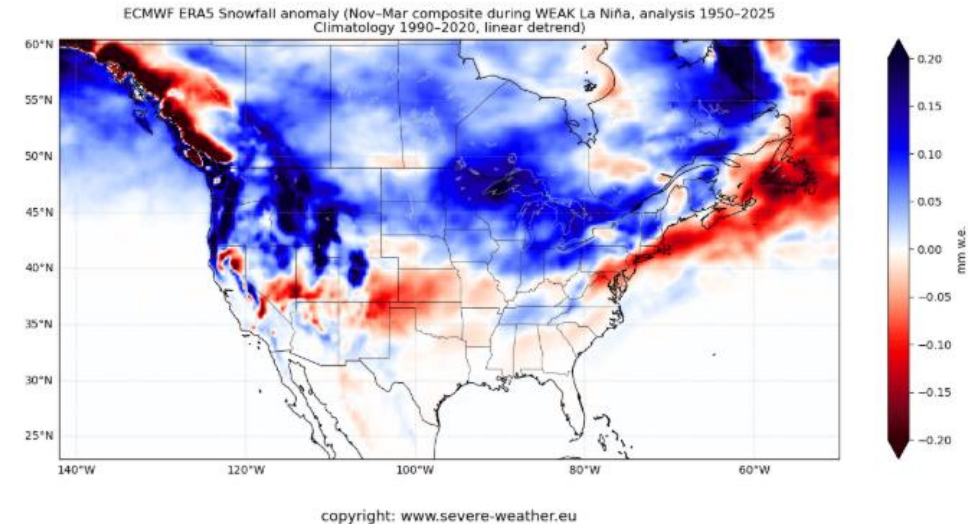
Long range / seasonal forecast

Winter 2025/2026 snowfall predictions show a global weather signal from a new La Niña event, which is already developing in the Pacific, and getting ready for Winter. From Canada to the United States and into Europe, you will see the first Snowfall predictions for the upcoming Winter season.

The image below shows jet stream redirection from La Niña and the resulting weather patterns developing over the United States and Canada in such Winter



Since the colder air is more easily accessible to the northern United States, that increases the **snowfall** potential when moisture is available. In our own analysis image below, you can see the average snowfall pattern for weak La Niña years, as expected for this Winter season.



Thank you

