

MADAWASKA RIVER – WATER LEVELS & FLOWS

CURRENT STRATEGY

DATE: July 21, 2017

Levels and flows are expected to decline.
Pass inflow at all sites on a daily or weekly basis.

BARK LAKE	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Min. Level (m)	313.70	313.73	313.73	313.75	313.74	313.73	313.72	313.62
Max. Level (m)	313.73	313.74	313.76	313.76	313.75	313.75	313.74	313.90
Avg. Flow (m ³ /s)	52.1	52.9	53.1	53.6	53.5	47.2	43.3	26-40
Comments:								
The normal operating range is 304.70 to 313.94 m. The summer minimum is 313.62 m. The 3-day average inflow is 42 m ³ /s. The discharge will be reduced to 28 m ³ /s today (July 21).								

KAMANISKEG LAKE (PALMER RAPIDS DAM)	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Upper Gauge Min. Level (m)	282.80	282.81	282.81	282.84	282.83	282.81	282.82	282.80
Upper Gauge Max. Level (m)	282.81	282.82	282.84	282.84	282.84	282.85	282.84	283.00
Barry's Bay Min. Level (m)	282.96	282.98	282.99	283.03	283.02	283.00	282.99	282.91
Barry's Bay Max. Level (m)	282.98	282.99	283.03	283.03	283.03	283.02	283.00	283.09
Avg. Flow (m ³ /s)	106.9	108.7	109.2	111.8	110.9	102.4	94.3	50-70
Comments:								
The normal operating range is 282.24 m to 283.46 m. The summer operating range is 282.91 to 283.09 m. The flow from Kamanisgeg Lake dam (Palmer Rapids) will be reduced to 65 m ³ /s today (July 21).								

MOUNTAIN CHUTE GS	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Min. Level (m)	248.26	248.28	248.30	248.25	248.17	248.11	248.08	247.80
Max. Level (m)	248.36	248.37	248.38	248.37	248.33	248.28	248.22	248.30
Station Operation (hr/day)	18	18	19	19	17	16	18	8-20
Avg. Flow (m ³ /s)	145	130	146	159	160	153	140	60-150
Comments: The normal operating range is 243.80 to 248.40 m. The summer minimum is 247.80 m when inflow is greater than 70 m ³ /s. Expect daily water level fluctuations of up to 15 cm. The 3-day average inflow is 131 m ³ /s.								

BARRETT CHUTE GS	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Min. Level (m)	200.83	200.82	200.78	200.78	200.76	200.76	200.77	200.70
Max. Level (m)	200.94	200.97	200.98	200.98	200.95	200.93	200.95	201.06
Station Operation (hr/day)	17	18	24	24	18	13	11	8-24
Avg. Flow (m ³ /s)	148	120	145	161	181	162	137	60-150
Comments: The normal operating range is 198.73 to 201.17 m. The summer minimum is 200.70 m. Expect daily water level fluctuations of up to 15 cm.								

CALABOGIE GS	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Min. Level (m)	153.89	153.86	153.90	153.89	153.94	153.95	153.94	153.80
Max. Level (m)	153.97	154.00	154.03	154.03	154.04	154.01	154.02	154.10
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	161	135	141	176	171	163	141	60-150
Comments: The normal operating range is 153.56 to 154.10 m. The summer minimum is 153.80 m. Expect daily water level fluctuations of up to 20 cm.								

STEWARTVILLE GS	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Min. Level (m)	144.12	144.16	144.12	144.17	144.15	144.16	144.22	144.00
Max. Level (m)	144.63	144.60	144.59	144.67	144.74	144.69	144.69	144.78
Station Operation (hr/day)	19	18	24	19	22	24	19	6-24
Avg. Flow (m ³ /s)	164	128	158	169	175	177	138	60-150
Comments: The normal operating range is 143.50 to 144.78 m. The summer minimum is 144.00 m. Expect daily water level fluctuations of up to 78 cm.								

ARNPRIOR GS	Observed Data							Weekly Plan
	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	
Min. Level (m)	98.82	98.81	98.82	98.90	98.83	98.84	98.84	98.76
Max. Level (m)	98.95	98.94	98.98	98.92	98.96	98.95	98.94	99.00
Station Operation (hr/day)	20	17	18	19	20	20	17	5-18
Avg. Flow (m ³ /s)	180	153	166	184	185	183	154	60-160
Comments: The normal operating range is 98.76 to 99.06 m. Expect daily water level fluctuations of up to 20 cm.								

Note: Generating Station (GS) Maximum and Minimum levels are taken from calculated average hourly levels based on minute resolution data.

For further information please contact

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