

MADAWASKA RIVER – WATER LEVELS & FLOWS

CURRENT STRATEGY

DATE: June 22, 2018

Pass inflow at all sites on a daily or weekly basis.

BARK LAKE	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Min. Level (m)	313.80	313.78	313.77	313.77	313.77	313.77	313.76	313.70
Max. Level (m)	313.82	313.80	313.79	313.80	313.80	313.79	313.78	313.82
Avg. Flow (m ³ /s)	32.5	32.1	31.7	27.2	24.3	25.2	25.8	15-40

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 23 m³/s. The discharge is currently 20 m³/s.

The level is expected to fluctuate between 313.70 and 313.82 m over the next 7 days.

The flow is expected to be 20 m³/s over the weekend and 27 m³/s through the week.

KAMANISKEG LAKE (PALMER RAPIDS DAM)	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Upper Gauge Min. Level (m)	282.84	282.86	282.86	282.86	282.86	282.85	282.85	282.80
Upper Gauge Max. Level (m)	282.87	282.87	282.87	282.90	282.87	282.86	282.88	283.00
Barry's Bay Min. Level (m)	282.93	282.94	282.95	282.94	282.93	282.92	282.91	282.92
Barry's Bay Max. Level (m)	282.94	282.95	282.96	282.96	282.94	282.93	282.93	283.08
Avg. Flow (m ³ /s)	68.7	66.8	67.0	64.4	60.1	58.1	47.3	25-60

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 Kamaniskeg Lake dam (Palmer Rapids) is currently 35 m³/s.

The level at Barry's Bay is expected to vary between 282.92 and 283.08 m over the next 7 days.

The flow is expected to remain between 25 and 60 m³/s for the next 7 days.

MOUNTAIN CHUTE GS	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Min. Level (m)	247.85	247.86	247.86	247.88	247.99	248.07	248.14	248.00
Max. Level (m)	248.01	247.97	247.97	247.99	248.11	248.17	248.24	248.40
Station Operation (hr/day)	15	11	11	6	6	6	6	1-12
Avg. Flow (m ³ /s)	109	77	78	37	43	43	43	10-90
Comments: The normal operating range is 243.80 to 248.40 m. The summer minimum is 247.80 m when the inflow is greater than 70 m ³ /s. Expect the water level to fluctuate up to 15 cm on a daily basis. The 3-day average inflow is 68 m ³ /s. The level at Mountain Chute is expected to vary between 248.00 and 248.40 m over the next 7 days. The flow is expected to fluctuate between 10 and 90 m ³ /s for the next 7 days.								

BARRETT CHUTE GS	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Min. Level (m)	200.75	200.76	200.82	200.80	200.79	200.84	200.80	200.70
Max. Level (m)	200.86	200.86	200.87	200.84	200.88	200.92	200.90	201.06
Station Operation (hr/day)	16	10	11	8	7	8	8	2-12
Avg. Flow (m ³ /s)	108	73	84	-4	35	41	41	10-90
Comments: The normal operating range is 198.73 to 201.17 m. The summer minimum is 200.70 m. Expect the water level to fluctuate up to 15 cm on a daily basis.								

CALABOGIE GS	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Min. Level (m)	153.83	153.84	153.82	153.91	153.90	153.92	153.92	153.80
Max. Level (m)	153.93	154.00	154.03	154.02	153.96	154.00	153.99	154.05
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	116	55	76	47	34	32	46	10-90
Comments: The normal operating range is 153.56 to 154.10 m. The summer minimum is 153.80 m. Expect the water level to fluctuate up to 15 cm on a daily basis.								

STEWARTVILLE GS	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Min. Level (m)	144.51	144.51	144.51	144.51	144.50	144.53	144.51	144.50
Max. Level (m)	144.70	144.66	144.67	144.68	144.70	144.69	144.67	144.78
Station Operation (hr/day)	19	13	14	16	7	8	9	2-12
Avg. Flow (m ³ /s)	112	64	79	34	30	41	45	10-90
Comments: The normal operating range is 143.50 to 144.78 m. The summer operating range is currently 144.48 to 144.78 m. Expect the water level to fluctuate up to 25 cm on a daily basis.								

ARNPRIOR GS	Observed Data							Weekly Plan
	Jun-15	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-21	
Min. Level (m)	98.81	98.81	98.82	98.79	98.83	98.81	98.83	98.76
Max. Level (m)	98.89	98.90	98.87	98.88	98.88	98.86	98.90	99.00
Station Operation (hr/day)	13	8	9	7	4	4	6	2-11
Avg. Flow (m ³ /s)	118	70	79	57	38	37	52	10-90
Comments:								
The normal operating range is 98.76 to 99.06 m. Expect the water level to fluctuate up to 15 cm on a daily basis.								

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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