

MADAWASKA RIVER – WATER LEVELS & FLOWS

CURRENT STRATEGY

DATE: June 16, 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
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Min. Level (m)	313.73	313.69	313.67	313.65	313.67	313.68	313.69	313.62
Max. Level (m)	313.76	313.73	313.70	313.67	313.69	313.70	313.71	313.90
Avg. Flow (m ³ /s)	62.8	62.1	61.3	42.6	31.0	31.1	31.2	15-28
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 37 m ³ /s. The discharge is currently 15 m ³ /s and will be increased Monday to Thursday next week to 28 m ³ /s.								

KAMANISKEG LAKE (PALMER RAPIDS DAM)	Observed Data							Weekly Plan
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Upper Gauge Min. Level (m)	282.83	282.82	282.80	282.79	282.84	282.83	282.85	282.80
Upper Gauge Max. Level (m)	282.84	282.84	282.83	282.86	282.86	282.86	282.88	283.00
Barry's Bay Min. Level (m)	282.99	282.99	282.97	282.94	282.92	282.91	282.94	282.91
Barry's Bay Max. Level (m)	283.01	283.02	283.02	282.99	282.94	282.94	282.96	283.09
Avg. Flow (m ³ /s)	117.6	117.0	115.6	97.2	76.1	67.2	56.7	40-60
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 50 m ³ /s.								

MOUNTAIN CHUTE GS	Observed Data							Weekly Plan
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Min. Level (m)	248.18	248.24	248.23	248.15	248.07	248.07	248.01	248.00
Max. Level (m)	248.28	248.34	248.36	248.34	248.23	248.19	248.14	248.30
Station Operation (hr/day)	15	18	16	17	17	12	13	2-16
Avg. Flow (m ³ /s)	124	154	143	167	131	94	101	30-120
Comments: The normal operating range is 243.80 to 248.40 m. The summer minimum is 248.00 m when inflow is less than 70 m ³ /s. Expect daily water level fluctuations of up to 15 cm. The 3-day average inflow is 91 m ³ /s.								

BARRETT CHUTE GS	Observed Data							Weekly Plan
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Min. Level (m)	200.75	200.77	200.76	200.74	200.77	200.77	200.77	200.70
Max. Level (m)	200.85	200.90	200.88	200.85	200.84	200.82	200.86	201.06
Station Operation (hr/day)	15	16	16	17	18	14	16	2-18
Avg. Flow (m ³ /s)	123	144	146	164	134	90	95	30-120
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
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Min. Level (m)	153.87	153.85	153.84	153.85	153.88	153.83	153.85	153.80
Max. Level (m)	154.01	154.02	153.99	154.05	154.01	154.00	154.03	154.10
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	124	146	161	161	139	100	98	30-120
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
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Min. Level (m)	144.33	144.13	144.18	144.24	144.30	144.18	144.19	144.48
Max. Level (m)	144.71	144.56	144.64	144.60	144.60	144.44	144.65	144.78
Station Operation (hr/day)	21	21	18	24	24	22	20	3-18
Avg. Flow (m ³ /s)	139	154	158	166	152	102	102	30-120
Comments: The normal operating range is 143.50 to 144.78 m. The summer minimum is 144.48 m. Expect daily water level fluctuations of up to 30 cm.								

ARNPRIOR GS	Observed Data							Weekly Plan
	Jun-9	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	
Min. Level (m)	98.81	98.89	98.86	98.86	98.84	98.83	98.85	98.76
Max. Level (m)	98.94	98.95	98.93	98.96	98.91	98.92	98.93	99.00
Station Operation (hr/day)	17	19	19	19	19	12	12	3-16
Avg. Flow (m ³ /s)	145	166	171	175	170	104	105	30-130
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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