

MADAWASKA RIVER – WATER LEVELS & FLOWS

CURRENT STRATEGY

DATE: May 01, 2017

Significant rainfall expected (50mm +). Discharge at Bark Lake will be increased today. Level on Kamaniskeg Lake at Barry's Bay is expected to increase until the end of the week. Storage at Mountain Chute will be used over the next several days to absorb as much of the rainfall as possible and limit flows from Mountain Chute to Arnprior. Pass inflow at other sites on a daily basis. Levels could rise close to or above what was observed last week depending on rainfall.

BARK LAKE	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Min. Level (m)	313.26	313.34	313.38	313.42	313.44	313.44	313.44	313.30
Max. Level (m)	313.34	313.38	313.42	313.47	313.46	313.47	313.48	313.94
Avg. Flow (m ³ /s)	169.8	159.7	158.4	160.3	161.7	162.1	162.1	150-240
Comments: The normal operating range is 304.70 to 313.94 m. The 3-day average inflow is 172 m ³ /s.								

KAMANISKEG LAKE (PALMER RAPIDS DAM)	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Upper Gauge Min. Level (m)	283.07	282.96	282.86	282.77	282.67	282.57	282.52	282.50
Upper Gauge Max. Level (m)	283.15	283.06	282.96	282.86	282.77	282.67	282.57	283.10
Barry's Bay Min. Level (m)	283.69	283.60	283.51	283.45	283.38	283.29	283.26	283.25
Barry's Bay Max. Level (m)	283.79	283.69	283.59	283.50	283.46	283.38	283.30	283.80
Avg. Flow (m ³ /s)	395.6	372.3	346.9	323.4	303.1	280.6	264.7	260-400
Comments: The normal operating range is 282.24 m to 283.46 m when inflow is less than 350 m ³ /s. Inflow is currently 259 m ³ /s. All logs have been removed from the Kamaniskeg Lake Dam (Palmer Rapids).								

MOUNTAIN CHUTE GS	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Min. Level (m)	245.96	246.11	246.45	246.67	246.77	246.71	246.67	246.50
Max. Level (m)	246.09	246.43	246.67	246.75	246.86	246.86	246.79	248.00
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	438	339	345	358	340	365	341	280-420
Comments: The normal operating range is 243.80 to 248.40 m. Expect daily water level fluctuations of up to 15 cm. The 3-day average inflow is 340 m ³ /s.								

BARRETT CHUTE GS	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Min. Level (m)	200.62	200.65	200.73	200.73	200.74	200.78	200.76	200.70
Max. Level (m)	200.74	200.91	200.92	200.91	200.91	200.91	200.84	201.06
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	438	332	350	351	337	359	342	280-430
Comments: The normal operating range is 198.73 to 201.17 m. Expect daily water level fluctuations of up to 15 cm.								

CALABOGIE GS	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Min. Level (m)	153.75	153.81	153.84	153.84	153.89	153.96	153.97	153.80
Max. Level (m)	153.94	153.96	153.90	153.95	154.02	154.02	154.02	154.10
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	465	357	362	368	340	362	359	280-440
Comments: The normal operating range is 153.56 to 154.10 m. Expect daily water level fluctuations of up to 15 cm.								

STEWARTVILLE GS	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Min. Level (m)	144.38	144.14	144.09	144.12	144.08	144.08	144.07	144.00
Max. Level (m)	144.71	144.45	144.36	144.48	144.45	144.38	144.29	144.78
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	484	372	374	378	346	373	371	280-460
Comments: The normal operating range is 143.50 to 144.78 m. Expect daily water level fluctuations of up to 78 cm.								

ARNPRIOR GS	Observed Data							Weekly Plan
	Apr-24	Apr-25	Apr-26	Apr-27	Apr-28	Apr-29	Apr-30	
Min. Level (m)	98.85	98.85	98.87	98.86	98.83	98.80	98.83	98.76
Max. Level (m)	98.93	98.93	98.97	98.97	98.96	98.93	98.98	99.00
Station Operation (hr/day)	24	24	24	23	24	24	24	24
Avg. Flow (m ³ /s)	555	395	399	389	372	380	393	280-480
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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