

MADAWASKA RIVER – WATER LEVELS & FLOWS

CURRENT STRATEGY

DATE: January 19, 2018

Levels and flows are expected to remain stable.
Continue winter draw down at Bark Lake. Pass inflow at all other sites on a daily or weekly basis.

BARK LAKE	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Min. Level (m)	311.84	311.72	311.61	311.50	311.39	311.27	311.14	310.00
Max. Level (m)	311.93	311.83	311.71	311.60	311.49	311.38	311.26	311.20
Avg. Flow (m ³ /s)	90.5	90.4	90.5	90.1	89.6	92.2	94.8	85-105
Comments:								
The normal operating range is 304.70 to 313.94 m. The 3-day average inflow is 32 m ³ /s. The discharge is currently 94 m ³ /s.								

KAMANISKEG LAKE (PALMER RAPIDS DAM)	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Upper Gauge Min. Level (m)	282.84	282.86	282.86	282.82	282.80	282.79	282.82	282.75
Upper Gauge Max. Level (m)	282.89	282.89	282.87	282.87	282.82	282.82	282.84	282.87
Barry's Bay Min. Level (m)	283.08	283.10	283.11	283.11	283.08	283.07	283.08	283.00
Barry's Bay Max. Level (m)	283.11	283.11	283.12	283.12	283.10	283.08	283.09	283.15
Avg. Flow (m ³ /s)	112.6	121.4	126.4	133.5	138.8	133.0	125.8	110-135
Comments:								
The normal operating range is 282.24 m to 283.46 m. The flow from Kamanisseg Lake dam (Palmer Rapids) is currently 126 m ³ /s.								

MOUNTAIN CHUTE GS	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Min. Level (m)	248.06	248.12	248.22	248.28	248.28	248.22	248.12	247.80
Max. Level (m)	248.15	248.24	248.30	248.33	248.37	248.28	248.22	248.40
Station Operation (hr/day)	17	16	17	21	20	24	24	15-24
Avg. Flow (m ³ /s)	124	116	124	159	172	184	187	60-210
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 160 m ³ /s.								

BARRETT CHUTE GS	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Min. Level (m)	200.80	200.81	200.79	200.78	200.74	200.79	200.83	200.70
Max. Level (m)	200.88	200.96	200.88	200.88	200.86	200.86	200.99	201.06
Station Operation (hr/day)	16	18	17	22	24	24	24	15-24
Avg. Flow (m ³ /s)	121	113	124	151	158	182	167	60-210
Comments: The normal operating range is 198.73 to 201.17 m. Expect daily water level fluctuations of up to 20 cm.								

CALABOGIE GS	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Min. Level (m)	153.75	153.79	153.84	153.88	153.89	153.90	153.88	153.70
Max. Level (m)	153.90	153.89	153.92	154.00	154.00	154.01	154.00	154.10
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	121	120	126	146	174	180	178	60-210
Comments: The normal operating range is 153.56 to 154.10 m. Expect daily water level fluctuations of up to 20 cm.								

STEWARTVILLE GS	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Min. Level (m)	143.94	144.07	144.11	143.95	143.95	144.24	144.25	143.80
Max. Level (m)	144.51	144.53	144.52	144.52	144.51	144.69	144.69	144.78
Station Operation (hr/day)	18	18	20	24	24	24	24	14-24
Avg. Flow (m ³ /s)	127	120	123	162	158	179	180	60-210
Comments: The normal operating range is 143.50 to 144.78 m. Expect daily water level fluctuations of up to 75 cm.								

ARNPRIOR GS	Observed Data							Weekly Plan
	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	
Min. Level (m)	98.87	98.87	98.85	98.74	98.82	98.80	98.81	98.76
Max. Level (m)	98.92	98.93	98.94	98.95	98.94	98.87	98.94	99.00
Station Operation (hr/day)	17	15	15	20	20	22	22	12-24
Avg. Flow (m ³ /s)	148	131	131	174	174	191	190	60-220
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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