

MADAWASKA RIVER – WATER LEVELS & FLOWS

CURRENT STRATEGY

DATE: February 03, 2012

Draw down Bark Lake up to 12 cm per day.
 Maintain the level of the Upper Gauge at Kamanisseg Lake Dam near 282.85 m.
 Pass inflow on a weekly basis at all other sites.

BARK LAKE	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Min. Level (m)	310.45	310.35	310.25	310.15	310.05	309.97	309.87	308.90
Max. Level (m)	310.54	310.45	310.34	310.24	310.14	310.06	309.96	309.90
Avg. Flow (m ³ /s)	75	74	73	71	68	68	70	70-75
Comments: The normal operating range is 304.70 to 313.94 m.								

KAMANISSEG LAKE (PALMER RAPIDS DAM)	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Upper Gauge Min. Level (m)	282.88	282.89	282.89	282.88	282.87	282.87	282.85	282.79
Upper Gauge Max. Level (m)	282.90	282.91	282.91	282.89	282.88	282.88	282.86	282.91
Barry's Bay Min. Level (m)	283.04	283.05	283.05	283.04	283.03	283.02	283.01	282.95
Barry's Bay Max. Level (m)	283.06	283.07	283.06	283.06	283.04	283.03	283.02	283.08
Avg. Flow (m ³ /s)	113	113	114	113	112	111	110	100 – 115
Comments: The normal operating range is 282.24 m to 283.46 m.								

MOUNTAIN CHUTE GS	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Min. Level (m)	247.96	247.99	248.07	248.14	248.13	248.10	248.06	247.80
Max. Level (m)	248.10	248.09	248.17	248.23	248.31	248.22	248.19	248.25
Station Operation (hr/day)	15	13	13	13	18	17	17	13-18
Avg. Flow (m ³ /s)	129	94	95	102	131	128	131	100-120
Comments: The normal operating range is 243.80 to 248.40 m. Expect daily water level fluctuations of up to 35 cm.								

BARRETT CHUTE GS	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Min. Level (m)	200.49	200.63	200.81	200.83	200.84	200.71	200.71	200.50
Max. Level (m)	200.75	200.85	201.00	201.06	200.95	200.90	200.86	201.06
Station Operation (hr/day)	15	15	15	13	17	16	16	14-16
Avg. Flow (m ³ /s)	126	81	81	96	132	130	130	110-120
Comments: The normal operating range is 198.73 to 201.17 m. Expect daily water level fluctuations of up to 35 cm.								

CALABOGIE GS	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Min. Level (m)	153.68	153.71	153.73	153.74	153.80	153.79	153.77	153.60
Max. Level (m)	153.89	153.91	153.95	153.92	153.92	153.91	153.90	154.10
Station Operation (hr/day)	24	24	24	24	24	24	24	24
Avg. Flow (m ³ /s)	137	82	89	105	139	140	137	110-120
Comments: The normal operating range is 153.56 to 154.10 m. Expect daily water level fluctuations of up to 30 cm.								

STEWARTVILLE GS	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Min. Level (m)	144.00	144.03	143.90	143.69	143.91	143.91	143.81	143.75
Max. Level (m)	144.41	144.74	144.67	144.45	144.58	144.63	144.57	144.70
Station Operation (hr/day)	15	15	10	15	15	15	15	15-18
Avg. Flow (m ³ /s)	114	93	74	98	132	138	137	115-130
Comments: The normal operating range is 143.50 to 144.78 m. Expect daily water level fluctuations of up to 80 cm.								

ARNPRIOR GS	Observed Data							Weekly Plan
	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Feb-1	Feb-2	
Min. Level (m)	98.82	98.83	98.83	98.79	98.81	98.78	98.81	98.78
Max. Level (m)	98.92	98.95	98.88	98.94	98.89	98.99	98.92	99.00
Station Operation (hr/day)	13	9	8	10	13	15	14	13-16
Avg. Flow (m ³ /s)	122	96	80	104	142	150	139	120-135
Comments: The normal operating range is 98.76 to 99.06 m. Expect daily water level fluctuations of up to 25 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

Jennifer Gardiner
Public Affairs Officer
Ottawa/St. Lawrence Plant Group
Ontario Power Generation
P: (613) 433-9673 ext. 3350
C: (613) 601-0654
Email: jennifer.gardiner@opg.com

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