

Ontario Low Water Response Program - Calculated Indexes, 2022
January

Precipitation – 1 month

Station	Average January, mm	Actual January 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	89.8	39.6	44.1	L II
Ken Reid CA	60.9	48.3	78.3	L I
Port Perry	64.9	50.6	77.9	L I
Average for Watershed		46.2	66.8	

Precipitation – 3 months

Station	Average November - January, mm	Actual November 2021 – January 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	293.8	168.4	57.3	L II
Ken Reid CA	204.2	190.2	93.1	Normal
Port Perry	208.10	171.5	82.41	Normal
Average for Watershed		177.6	77.6	

Flow

Station	Minimum monthly summer flow, m ³ /sec	January 2022 mean, m ³ /sec	January 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	12.8	158	Normal
Mariposa Brook at Little Britain	0.194	1.36	700	Normal
Blackstock Creek near Blackstock	0.041	0.040	97.5	Normal
Pigeon River at Lotus	0.253	0.298	118	Normal
Nonquon River near Port Perry	0.032	0.437	1370	Normal

February

Precipitation

Precipitation – 1 month

Station	Average February, mm	Actual February 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	66.4	81.3	122	Normal
Ken Reid CA	56.9	79.6	135	Normal
Port Perry	45.9	97.5	212	Normal
Average for watershed		86.1	157	

Precipitation – 3 months

Station	Average 3-month, December-February, mm	Actual 3-month December 2021 – February 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	250.9	188.24	75	L I
Ken Reid CA	200.7	210.4	105	Normal
Port Perry	170.8	219.39	128	Normal
Average for watershed		206.0	103	

Flow

Station	Minimum monthly summer flow, m ³ /sec	February 2022 - mean, m ³ /sec	February 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	14.12	175	Normal
Mariposa Brook at Little Britain	0.194	4.25	2200	Normal
Blackstock Creek near Blackstock	0.041	0.52	1250	Normal
Pigeon River at Lotus	0.253	0.317	125	Normal
Nonquon River near Port Perry	0.032	1.24	3900	

MARCH

Precipitation

Precipitation – 1 month

Station	Average March, mm	Actual March 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	71.1	43.5	61.2	LI
Ken Reid CA	52.7	113.2	211.2	Normal
Port Perry	53.1	69.4	130.7	Normal
Average for watershed		75.4	134.4	

Precipitation – 3 months

Station	Average 3-month, January-March, mm	Actual 3-month January – March 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	227.3	164.33	72.3	LI
Ken Reid CA	170.6	241.1	137.3	Normal
Port Perry	163.9	217.49	132.70	Normal
Average for watershed		207.4	114	

Flow

Station	Minimum monthly summer flow, m ³ /sec	March 2022 - mean, m ³ /sec	March 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	32.27	400	Normal
Mariposa Brook at Little Britain	0.194	9.5	4900	Normal
Blackstock Creek near Blackstock	0.041	0.826	2000	Normal
Pigeon River at Lotus	0.253	0.465	185	Normal
Nonquon River near Port Perry	0.032	1.60	5000	Normal

**April
Precipitation**

Precipitation – 1 month

Station	Average April, mm	Actual April 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	78.7	79.2	100.6	Normal
Trent Lakes Municipal Office	78.7	69.8	88.7	Normal
Emily PP	65.2	63.8	97.85	Normal
Ken Reid CA	85.7	64.9	78.1	L I
Mariposa Brook GS	65.0	50.25	77.31	L I
Port Perry	67.9	81.1	119.4	Normal
Blackstock Creek GS	69.5	75.75	108.96	Normal
Average		69.3	95.8	

Precipitation – 3 months

Station	Average 3-month, February-April, mm	Actual 3-month February – April 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	216.2	203.95	94.3	Normal
Ken Reid CA	188.6	257.7	136.6	Normal
Port Perry	166.9	247.98	148.58	Normal
Average		236.5	136.5	

Flow

Flow Station	Minimum monthly summer flow, m ³ /sec	April 2022 - mean, m ³ /sec	April 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	42.9	530	Normal
Mariposa Brook at Little Britain	0.194	2.56	1300	Normal
Nonquon River near Port Perry	0.032	0.696	2200	Normal
Blackstock Creek near Blackstock	0.041	0.337	820	Normal
Pigeon River at Lotus	0.253	0.398	160	Normal

May

Precipitation – 1 month

Station	Average May, mm	Actual May 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	97.8	57.2	58.5	L II
Trent Lakes Municipal Office	97.8	61.4	62.8	L II
Emily PP	83.8	64.8	77.3	L I
Ken Reid CA	76.3	67.7	90.0	Normal
Mariposa Br. GS	83.8	68.0	81.2	Normal
Port Perry	82.1	63.1	76.9	L I
Blackstock GS	106.9	80.2	75.0	L I
Average		66.0	74	

Precipitation – 3 months

Station	Average 3-month, March-May, mm	Actual 3-month March-May 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	247.6	179.87	72.6	L I
Ken Reid CA	204.4	67.7	90.0	Normal
Port Perry	203.1	63.1	76.9	L I
Average		103.6	79.8	

Flow

Station	Minimum monthly summer flow, m³/sec	May 2022 - mean, m³/sec	May 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	17.2	210	Normal
Mariposa Brook at Little Britain	0.194	1.66	850	Normal
Nonquon River near Port Perry	0.032	0.299	930	Normal
Blackstock Creek near Blackstock	0.041	0.041	330	Normal
Pigeon River at Lotus	0.253	0.253	110	Normal

June

Precipitation – 1 month

Station	Average June, mm	Actual June 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	90.6	116.6	129	Normal
Trent Lakes Municipal Center	90.6	129.20	143	Normal
Emily PP	82.6	79.60	96	Normal
Ken Reid CA	92.8	128.10	138	Normal
Mariposa Br. GS	79.2	104.00	131	Normal
Port Perry	106.6	68.4	64	L1
Blackstock Cr. GS	96.8	106.25	110	Normal
Pigeon River GS	96.8	112.80	117	Normal
Average		105.3	116	Normal

Precipitation – 3 months

Station	Average 3-month, April-June, mm	Actual 3-month April-June 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	267.1	249.6	95	Normal
Ken Reid CA	233.1	260.7	112	Normal
Mariposa Br. GS	220.0	222.25	101	Normal
Port Perry	256.6	212.6	82	Normal
Blackstock Cr. GS	273.3	262.3	96	Normal
Average		241.5	97.2	Normal

Flow

Station	Minimum monthly summer flow, m³/sec	June 2022 - mean, m³/sec	June 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	24.2	300	Normal
Mariposa Brook at Little Britain	0.194	4.40	2300	Normal
Nonquon River near Port Perry	0.032	0.346	1100	Normal
Blackstock Creek near Blackstock	0.041	0.165	400	Normal
Pigeon River at Lotus	0.253	0.263	105	Normal

July**Precipitation – 1 month**

Station	Average July, mm	Actual July, 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	82.2	51.4	62.5	L1
Cameron Lake	82.2	70.4	85.6	Normal
Trent Lakes Municipal Center	82.2	83.0	101	Normal
Emily PP	75.8	68.8	90.8	Normal
Ken Reid CA	76.8	99.1	132.8	Normal
Mariposa Br. GS	72.4	64.75	87.6	Normal
Port Perry	74.9	48.8	55.7	L2
Blackstock Cr. GS	105.4	87.0	83.1	Normal
Pigeon R. GS	105.4	62.6	59.8	L2
Average for Watershed		70.7	84.6	

Precipitation – 3 months

Station	Average 3-month, May-July, mm	Actual 3-month, May-July 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	270.6	225.1	83.2	Normal
Trent Lakes Municipal Center	270.6	307.1	113.5	Normal
Emili PP	237.3	213.2	89.8	Normal
Ken Reid CA	237.3	294.9	124.3	Normal
Mariposa Br. GS	228.9	236.8	103.4	Normal
Port Perry	275.1	179.6	65.3	L1
Blackstock Cr. GS	308.4	273.5	88.7	Normal
Average for Watershed		247.2	95.5	

Flow

Station	Minimum monthly summer flow, m³/sec	July 2022 - mean, m³/sec	July 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	7.38	91.1	Normal
Mariposa Brook at Little Britain	0.1940	1.22	630	Normal
Blackstock Creek near Blackstock	0.041	0.055	134	Normal
Pigeon River near Lotus	0.228	0.177	77.6	Normal

August

Precipitation – 1 month

Station	Average August, mm	Actual August, 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	78.0			
Trent Lakes Municipal Center	78.0			
Emily PP	85.7			
Ken Reid CA	76.8			
Mariposa Br. GS	86.4			
Sonya Sundance	58.4			
Blackstock Cr. GS	87.10			
Port Perry	87.10			
Pigeon Rv. GS	87.10			
Average for Watershed				

Precipitation – 3 months

Station	Average 3-month, June-August, mm	Actual 3-month, June-August 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	250.8			
Trent Lakes Municipal Office	250.8			
Emily PP	240.5			
Ken Reid CA	240.5			
Mariposa Br. GS	214.2			
Sonya Sundance	266.9			
Blackstock Cr. GS	288.5			
Port Perry	266.9			
Average for Watershed				

Flow

Station	Minimum monthly summer flow, m ³ /sec	August 2022 - mean, m ³ /sec	August, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10			
Mariposa Brook at Little Britain	0.194			
Nonquon River near Port Perry	0.032			
Blackstock Creek near Blackstock	0.041			
Pigeon River near Lotus	0.260			

September

Precipitation – 1 Month

Station	Average September, mm	Actual September 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	89.8			
Trent Lakes Municipal Center	100.2			
Emily PP	88.2			
Ken Reid CA	77.4			
Mariposa Br. GS	88.6			
Sonya Sundance	87.3			
Blackstock Cr. GS	91.2			
Port Perry	87.3			
Pigeon Rv. GS	91.2			
Average for Watershed				

Precipitation – 3 Months

Station	Average 3-month, July-September, mm	Actual 3-month July-September 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	260.4			
Municipality of Trent Lakes Office	260.4			
Ken Reid CA	202.8			
Mariposa Br. GS	250.5			
Sonya Sundance	247.6			
Blackstock Cr. GS	283.0			
Port Perry	247.6			
Pigeon Rv. GS	283.0			
Average for Watershed				

Flow

Station	Minimum monthly summer flow, m ³ /sec	September 2022 - mean, m ³ /sec	September 2022, % of minimum monthly summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10			
Mariposa Brook at Little Britain	0.194			
Nonquon River near Port Perry	0.032			
Blackstock Creek near Blackstock	0.041			
Pigeon River near Lotus	0.254			

**October
Precipitation – 1 Month**

Station	Average October, mm	Actual October 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	97.2			
Trent Lakes Office	72.5			
Emily PP	73.3			
Ken Reid CA	72.5			
Mariposa GS	73.3			
Sonya	74.9			
Blackstock	77.9			
Port Perry	74.9			
Pigeon Rv. GS	77.9			
Average for Watershed				

Precipitation – 3 Months

Station	Average 3-month, August-October, mm	Actual 3-month August-October 2022		Ontario Low Water Response Conditions Level
		mm	%	
Ken Reid CA	245.3			
Mariposa GS	249.9			
Sonya	236.1			
Pigeon Rv. GS	249.9			
Blackstock GS	256.2			
Port Perry	236.1			
Emily PP	245.3			
Trent Lake Municipal Office	245.3			
Average for Watershed				

Flow

Station	Minimum monthly summer ³ flow, m /sec	October 2022 - mean, ³ m /sec	October 2022, % of minimum monthly summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10			
Mariposa Brook at Little Britain	0.194			
Nonquon River near Port Perry	0.032			
Blackstock Creek near Blackstock	0.041			
Pigeon River near Lotus	0.254			

November

Precipitation – 1 Month

Station	Average November, mm	Actual November 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	109.3			
Ken Reid CA	67.8			
Sonya Sundance	83.2			
Port Perry	83.2			
Average for Watershed				

Precipitation – 3 Months

Station	Average 3-month, September-November, mm	Actual 3-month September-November 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	306.7			
Ken Reid CA	226.5			
Sonya Sundance	245.4			
Port Perry	245.4			
Average for Watershed				

Flow

Station	Minimum monthly summer flow, m ³ /sec	November 2022 – mean, m ³ /sec	November 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10			
Mariposa Brook at Little Britain	0.194			
Nonquon Rv. near Port Perry	0.032			
Blackstock Creek near Blackstock	0.041			
Pigeon River near Lotus	0.247			

December

Precipitation – 1 Month

Station	Average December, mm	Actual December 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	94.7			
Ken Reid CA	76.0			
Sonya Sundance	60.0			
Port Perry	60.0			
Average for Watershed				

Precipitation – 3 Months

Station	Average 3-month, October-December, mm	Actual 3-month October-December 2022		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	301.2			
Ken Reid CA	228.3			
Sonya Sundance	218.1			
Port Perry	218.1			
Average for Watershed				

Flow

Station	Minimum monthly summer flow, m ³ /sec	December 2022 – mean, m ³ /sec	December 2022, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10			
Mariposa Brook at Little Britain	0.194			
Nonquon Rv. near Port Perry	0.032			
Blackstock Creek near Blackstock	0.041			
Pigeon River near Lotus	0.247			