

**Ontario Low Water Response Program - Calculated Indexes, 2020**

**January**

**Precipitation – 1 month**

Station	Average January, mm	Actual January 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	89.8	119.3	138	<b>NORMAL</b>
Ken Reid CA	60.9	125.3	203	<b>NORMAL</b>
Sonya Sundance	64.9	136	210	<b>NORMAL</b>
Port Perry	64.9	137.6	212	<b>NORMAL</b>
<b>Average for Watershed</b>			<b>190</b>	<b>NORMAL</b>

**Precipitation – 3 months**

Station	Average November - January, mm	Actual November 2019 – January 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	293.8	237.2	81	<b>NORMAL</b>
Ken Reid CA	204.2	295.4	145	<b>NORMAL</b>
Sonya Sundance	208.10	361	174	<b>NORMAL</b>
Port Perry	208.10	332.0	160	<b>NORMAL</b>
<b>Average for Watershed</b>			<b>149</b>	<b>NORMAL</b>

**Flow**

Station	Minimum monthly summer flow, m <sup>3</sup> /sec	January 2020 mean, m <sup>3</sup> /sec	January 2020, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	30.02	371	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	6.20	3200	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.685	1670	<b>NORMAL</b>
Pigeon River at Lotus	0.253	0.466	185	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.899	2800	<b>NORMAL</b>

**February  
Precipitation**

**Precipitation – 1 month**

Station	Average February, mm	Actual February 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	66.4	42	63	<b>NORMAL</b>
Ken Reid CA	56.9	54.6	92	<b>NORMAL</b>
Sonya Sundance	45.9	56.2	122	<b>NORMAL</b>
Port Perry	45.9	52	113	<b>NORMAL</b>
<b>Average for watershed</b>			<b>98</b>	<b>NORMAL</b>

**Precipitation – 3 months**

Station	Average 3-month, December- February, mm	Actual 3-month December 2019 – February 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	250.9	237.0	94	<b>NORMAL</b>
Ken Reid CA	200.7	286.2	143	<b>NORMAL</b>
Sonya Sundance	170.8	353	207	<b>NORMAL</b>
Port Perry	170.8	316.3	185	<b>NORMAL</b>
<b>Average for watershed</b>			<b>157</b>	<b>NORMAL</b>

**Flow**

Station	Minimum monthly summer flow, m <sup>3</sup> /sec	February 2020 - mean, m <sup>3</sup> /sec	February 2020, % of minimum summer flow	Water Response Conditions Level
Burnt River near Burnt River	8.10	14.4	178	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	1.5	780	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.154	375	<b>NORMAL</b>
Pigeon River at Lotus	0.253	0.298	120	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.376	1200	<b>NORMAL</b>

**MARCH****Precipitation****Precipitation – 1 month**

Station	Average March, mm	Actual March 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point pp	71.1	81.6	115	NORMAL
Ken Reid CA	52.7	77.5	150	NORMAL
Sonya Sundance	53.1	76.4	144	NORMAL
Port Perry	53.1	70.4	133	NORMAL
<b>Average for watershed</b>			<b>136</b>	<b>NORMAL</b>

**Precipitation – 3 months**

Station	Average 3-month, January-March, mm	Actual 3-month January – March 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point pp	227.3	242.6	107	NORMAL
Ken Reid CA	170.6	257.4	147	NORMAL
Sonya Sundance	163.9	268.6	164	NORMAL
Port Perry	163.9	260	160	NORMAL
<b>Average for watershed</b>			<b>144</b>	<b>NORMAL</b>

**Flow**

Station	Minimum monthly summer flow, m <sup>3</sup> /sec	March 2020 - mean, m <sup>3</sup> /sec	March 2020, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	41.76	520	NORMAL
Mariposa Brook at Little Britain	0.194	7.05	360	NORMAL
Blackstock Creek near Blackstock	0.041	0.851	2100	NORMAL
Pigeon River at Lotus	0.253	0.555	220	NORMAL
Nonquon River near Port Perry	0.032	0.983	2900	NORMAL

## April

### Precipitation

#### Precipitation – 1 month

Station	Average April, mm	Actual April 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	78.7	38.7	49.1	L II
Ken Reid CA	85.7	44.8	52.3	L II
Sonya Sundance	67.9	54.8	86.0	<b>NORMAL</b>
Port Perry	67.9	38.0	56.0	L II
<b>Average</b>		<b>44.1</b>	<b>75.3</b>	

#### Precipitation – 3 months

Station	Average 3-month, February-April, mm	Actual 3-month February – April 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	216.2	162	74.9	L I
Ken Reid CA	188.6	176.9	93.8	<b>NORMAL</b>
Sonya Sundance	166.9	191	114	<b>NORMAL</b>
Port Perry	166.9	160.4	96.0	<b>NORMAL</b>
<b>Average</b>		<b>172.6</b>	<b>95.9</b>	

**Flow**

<b>Station</b>	<b>Minimum monthly summer flow, m<sup>3</sup>/sec</b>	<b>April 2020 - mean, m<sup>3</sup>/sec</b>	<b>April 2020, % of minimum summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	51.98	640	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	2.85	1470	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.457	1430	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.305	740	<b>NORMAL</b>
Pigeon River at Lotus	0.253	0.423	170	<b>NORMAL</b>

## May

### Precipitation – 1 month

Station	Average May, mm	Actual May 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	97.8	58.5	59.8	L II
Trent Lakes Municipal Center	97.8	76.2	77.9	L I
Emily PP	83.8	51.4	61.3	L I
Ken Reid CA	76.3	58.2	76.2	L I
Mariposa Br. GS	83.8	41.7	49.8	L II
Sonya Sundance	82.1	47.2	57.0	L II
Port Perry	82.1	45.6	55.5	L II
Blackstock GS	106.9	78.4	73.3	L I
<b>Average</b>		<b>57.2</b>	<b>63.6</b>	

### Precipitation – 3 months

Station	Average 3-month, March-May, mm	Actual 3-month March-May 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	247.6	178.8	72.2	L I
Ken Reid CA	204.4	180.5	88.3	NORMAL
Port Perry	203.1	154.0	75.8	L I
Sonya Sundance	203.1	182.0	89.6	NORMAL
<b>Average</b>		<b>173.8</b>	<b>81.5</b>	

**Flow**

<b>Station</b>	<b>Minimum monthly summer flow, m<sup>3</sup>/sec</b>	<b>May 2020 - mean, m<sup>3</sup>/sec</b>	<b>May 2020, % of minimum summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	13.05	148	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	1.09	1640	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.248	775	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.177	429	<b>NORMAL</b>
Pigeon River at Lotus	0.253	0.319	107	<b>NORMAL</b>

## June

### Precipitation – 1 month

Station	Average June, mm	Actual June 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	90.6	31.5	34.8	L III
Trent Lakes Municipal Center	90.6	20.8	23.0	L III
Emily PP	82.6	35.4	42.9	L II
Ken Reid CA	92.8	43.0	48.0	L II
Mariposa Br. GS	52.3	46.8	89.5	<b>NORMAL</b>
Sonya Sundance	106.6	23.0	22.0	L III
Port Perry	106.6	42.6	40.0	L III
Blackstock Cr. GS	96.8	25.8	26.7	L III
Pigeon River GS	96.8	20.0	20.7	L III
<b>Average</b>		<b>32.1</b>	<b>38.6</b>	

### Precipitation – 3 months

Station	Average 3-month, April-June, mm	Actual 3-month April-June 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	267.1	128.7	44	L III
Ken Reid CA	233.1	146.0	62.6	L I
Sonya Sundance	256.6	128.6	50.1	L II
Port Perry	256.6	126.2	49.2	L II
<b>Average</b>		<b>132.4</b>	<b>52.5</b>	



**Flow**

<b>Station</b>	<b>Minimum monthly summer flow, m<sup>3</sup>/sec</b>	<b>June 2020 - mean, m<sup>3</sup>/sec</b>	<b>June 2020, % of minimum summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	5.49	68	<b>LI</b>
Mariposa Brook at Little Britain	0.194	0.50	260	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	M	M	M
Blackstock Creek near Blackstock	0.041	0.0763	186	<b>NORMAL</b>
Pigeon River at Lotus	0.253	0.217	86	<b>NORMAL</b>

## July

### Precipitation – 1 month

Station	Average July, mm	Actual July, 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	82.2	55.6	68	Level I
Trent Lakes Municipal Center	82.2	81.3	99	NORMAL
Emily PP	75.2	66.2	88	NORMAL
Ken Reid CA	76.8	62.8	82	NORMAL
Mariposa Br. GS	72.4	52.5	73	Level I
Sonia Sundance	74.9	70.1	94	NORMAL
Port Perry	74.9	31.6	42	Level II
Blackstock Cr. GS	105.4	45.2	43	Level II
<b>Average for Watershed</b>		<b>58.2</b>	<b>74</b>	

### Precipitation – 3 months

Station	Average 3-month, May-July, mm	Actual 3-month, May-July 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	270.6	145.67	54	Level II
Emily PP	237.30	153	64	Level I
Trent Lakes Municipal Center	270.6	178.3	66	Level I
Ken Reid CA	237.3	164	69	Level I
Mariposa Br. GS	210.0	144.05	69	Level I
Sonya Sundance	275.1	140.3	81	Level II
Port Perry	275.1	114.2	43	Level II
Blackstock Cr. GS	308.4	151.65	49	Level II
<b>Average for Watershed</b>		<b>148.9</b>	<b>62</b>	

**Flow**

<b>Station</b>	<b>Minimum monthly summer flow, m<sup>3</sup>/sec</b>	<b>July 2020 - mean, m<sup>3</sup>/sec</b>	<b>July 2020, % of minimum summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	5.597	69	<b>Level I</b>
Mariposa Brook at Little Britain	0.1940	0.16	82	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.0586	183	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.0493	120	<b>NORMAL</b>
Pigeon River near Lotus	0.253	M	M	M

## August

### Precipitation – 1 month

Station	Average August, mm	Actual August, 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	78.0	135.8	174	<b>NORMAL</b>
Trent Lakes Municipal Center	78.0	137.6	176	<b>NORMAL</b>
Emily PP	85.7	112.6	131	<b>NORMAL</b>
Ken Reid CA	76.8	112.5	146	<b>NORMAL</b>
Mariposa Br. GS	86.4	140.2	162	<b>NORMAL</b>
Sonya Sundance	58.4	159.6	216	<b>NORMAL</b>
Blackstock Cr. GS	87.10	196.5	226	<b>NORMAL</b>
Port Perry	87.10	139.8	161	<b>NORMAL</b>
Pigeon Rv. GS	87.10	141.2	162	<b>NORMAL</b>
<b>Average for Watershed</b>		<b>141.8</b>	<b>174</b>	

### Precipitation – 3 months

Station	Average 3-month, June-August, mm	Actual 3-month, June-August 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	250.8	223.0	89	<b>NORMAL</b>
Trent Lakes Municipal Office	250.8	239.9	96	<b>NORMAL</b>
Emily PP	240.5	214.2	89	<b>NORMAL</b>
Ken Reid CA	240.5	218.3	91	<b>NORMAL</b>
Mariposa Br. GS	214.2	242.5	113	<b>NORMAL</b>
Sonya Sundance	266.9	252.7	95	<b>NORMAL</b>
Blackstock Cr. GS	288.5	269.8	94	<b>NORMAL</b>
Port Perry	266.9	211.8	79	<b>Level I</b>
<b>Average for Watershed</b>		<b>234.02</b>	<b>93.25</b>	

**Flow**

<b>Station</b>	<b>Minimum monthly summer flow, m<sup>3</sup>/sec</b>	<b>August 2020 - mean, m<sup>3</sup>/sec</b>	<b>August, % of minimum summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	13.33	165	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	0.37	190	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.068	210	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.055	135	<b>NORMAL</b>
Pigeon River near Lotus	0.2603	0.211	85	<b>NORMAL</b>

## September

### Precipitation – 1 Month

Station	Average September, mm	Actual September 2020		Ontario Low Water Response Conditions Level
		mm	%	
Trent Lakes Municipal Center	100.2	75.4	75.2	LEVEL 1
Emily PP	88.2	40.0	45.4	LEVEL 2
Ken Reid CA	77.4	69.3	89.5	NORMAL
Mariposa Br. GS	88.6	47.25	53.3	LEVEL 2
Sonya Sundance	87.3	60.0	69	LEVEL 1
Blackstock Cr. GS	91.2	115.0	126.1	NORMAL
Port Perry	87.3	74.8	85.6	NORMAL
Pigeon Rv. GS	91.2	95.6	104.8	NORMAL
<b>Average for Watershed</b>		<b>72.2</b>	<b>81</b>	

### Precipitation – 3 Months

Station	Average 3-month, July-September, mm	Actual 3-month July-September 2020		Ontario Low Water Response Conditions Level
		mm	%	
Municipality of Trent Lakes Office	260.4	294.3	113	NORMAL
Emily PP	230.9	218.8	94.8	NORMAL
Ken Reid CA	202.8	244.6	106	NORMAL
Mariposa Br. GS	250.5	239.95	95.8	NORMAL
Sonya Sundance	247.6	289.7	117	NORMAL
Blackstock Cr. GS	283.0	356.7	182	NORMAL
Port Perry	247.6	245.27	99.1	NORMAL
<b>Average for Watershed</b>		<b>269.9</b>	<b>115</b>	

**Flow**

<b>Station</b>	<b>Minimum monthly summer <sup>3</sup> flow, m /sec</b>	<b>September 2020 - mean, <sup>3</sup> m /sec</b>	<b>September 2020, % of minimum monthly summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	18.9	230	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	0.78	400	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.053	165	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.073	180	<b>NORMAL</b>
Pigeon River near Lotus	0.254	0.203	80	<b>NORMAL</b>

**October  
Precipitation – 1 Month**

Station	Average October, mm	Actual October 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	97.2	68.7	70.7	LEVEL I
Trent Lakes Office	72.5	122.8	126	NORMAL
Emily PP	73.3	60.0	78.3	LEVEL I
Ken Reid CA	72.5	77.0	80.8	NORMAL
Mariposa GS	73.3	73.00	99.6	NORMAL
Sonya	74.9	69.8	93	NORMAL
Blackstock	77.9	94.0	121	NORMAL
Port Perry	74.9	55.4	73.9	LEVEL I
Pigeon Rv. GS	77.9	82	105	NORMAL
<b>Average for Watershed</b>		<b>78.0</b>	<b>94.3</b>	

**Precipitation – 3 Months**

Station	Average 3-month, August-October, mm	Actual 3-month August-October 2020		Ontario Low Water Response Conditions Level
		mm	%	
Ken Reid CA	245.3	258.8	106	NORMAL
Mariposa GS	249.9	260.4	104	NORMAL
Sonya	236.1	289.4	123	NORMAL
Pigeon Rv. GS	249.9	318.8	124	NORMAL
Blackstock GS	256.2	405.5	112	NORMAL
Port Perry	236.1	268.14	114	NORMAL
Emily PP	245.3	212.6	87	NORMAL
Trent Lake Municipal Office	245.3	335.8	122	NORMAL
<b>Average for Watershed</b>		<b>293.7</b>	<b>111</b>	



**Flow**

<b>Station</b>	<b>Minimum monthly summer flow, m<sup>3</sup>/sec</b>	<b>October 2020 - mean, m<sup>3</sup>/sec</b>	<b>October 2020, % of minimum monthly summer flow</b>	<b>Ontario Low Water Response Conditions Level</b>
Burnt River near Burnt River	8.10	14.66	1810	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.1940	1.16	600	<b>NORMAL</b>
Nonquon River near Port Perry	0.032	0.142	440	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.148	360	<b>NORMAL</b>
Pigeon River near Lotus	0.254	0.245	96	<b>NORMAL</b>

## November

### Precipitation – 1 Month

Station	Average November, mm	Actual November 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	109.3	65.9	60.3	<b>NORMAL</b>
Ken Reid CA	67.8	69.2	101.3	<b>NORMAL</b>
Sonya Sundance	83.2	74.9	90	<b>NORMAL</b>
Port Perry	83.2	70.7	84.9	<b>NORMAL</b>
<b>Average for Watershed</b>		<b>70.2</b>	<b>85</b>	

### Precipitation – 3 Months

Station	Average 3-month, September-November, mm	Actual 3-month September-November 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	306.7	N/A	N/A	
Ken Reid CA	226.5	215.5	95.1	<b>NORMAL</b>
Sonya Sundance	245.4	204.7	83.4	<b>NORMAL</b>
Port Perry	245.4	200.81	81.8	<b>NORMAL</b>
<b>Average for Watershed</b>		<b>207</b>	<b>87</b>	

### Flow

Station	Minimum monthly summer flow, m <sup>3</sup> /sec	November 2020 – mean, m <sup>3</sup> /sec	November 2020, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	19.2	240	<b>NORMAL</b>
Mariposa Brook at Little Britain	0.194	1.40	720	<b>NORMAL</b>
Nonquon Rv. near Port Perry	0.032	0.162	500	<b>NORMAL</b>
Blackstock Creek near Blackstock	0.041	0.113	275	<b>NORMAL</b>
Pigeon River near Lotus	0.247	0.262	105	<b>NORMAL</b>

## December

### Precipitation – 1 Month

Station	Average December, mm	Actual December 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	94.7	70.5	74.5	LI
Ken Reid CA	76.0	66.1	87.0	Normal
Sonya Sundance	60.0	75.4	126	Normal
Port Perry	60.0	78.9	132	Normal
<b>Average for Watershed</b>		<b>72.7</b>	<b>105</b>	

### Precipitation – 3 Months

Station	Average 3-month, October-December, mm	Actual 3-month October-December 2020		Ontario Low Water Response Conditions Level
		mm	%	
Indian Point PP	301.2	205.2	68.1	LI
Ken Reid CA	228.3	212.3	93.0	Normal
Sonya Sundance	218.1	220.1	100.9	Normal
Port Perry	218.1	204.9	94.0	Normal
<b>Average for Watershed</b>		<b>210.6</b>	<b>89</b>	

### Flow

Station	Minimum monthly summer flow, m <sup>3</sup> /sec	December 2020 – mean, m <sup>3</sup> /sec	December 2020, % of minimum summer flow	Ontario Low Water Response Conditions Level
Burnt River near Burnt River	8.10	27.3	3400	Normal
Mariposa Brook at Little Britain	0.194	2.53	1300	Normal
Nonquon Rv. near Port Perry	0.032	0.288	900	Normal
Blackstock Creek near Blackstock	0.041	0.305	740	Normal
Pigeon River near Lotus	0.247	0.287	116	Normal