

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued November 16, 2020

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	November 30 5 Year Ave		November 30/19		November 15/20		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	76,317	16,790	64,026	14,086	71,456	15,720	77.1%
Goldstream	6,916	1,521	3,981	876	7,945	1,748	80.1%
Total	83,233	18,311	68,007	14,962	79,402	17,468	77.4%

2. Average Daily Demand:

For the month of November	102.7 MLD	22.59 MIGD
For week ending November 15, 2020	101.2 MLD	22.26 MIGD
Max. day November 2020, to date:	108.4 MLD	23.84 MIGD

3. Average 5 Year Daily Demand for November

Average (2015 - 2019)	98.2 MLD ¹	21.61 MIGD ²
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¹MLD = Million Litres Per Day

²MIGD = Million Imperial Gallons Per Day

4. Rainfall November:

Average (1914 - 2019):	260.4 mm
Actual Rainfall to Date	152.3 mm (58% of monthly average)

5. Rainfall: Sep 1- Nov 15

Average (1914 - 2019):	355.7 mm
2020	443.6 mm (125% of average)

6. Water Conservation Action Required:

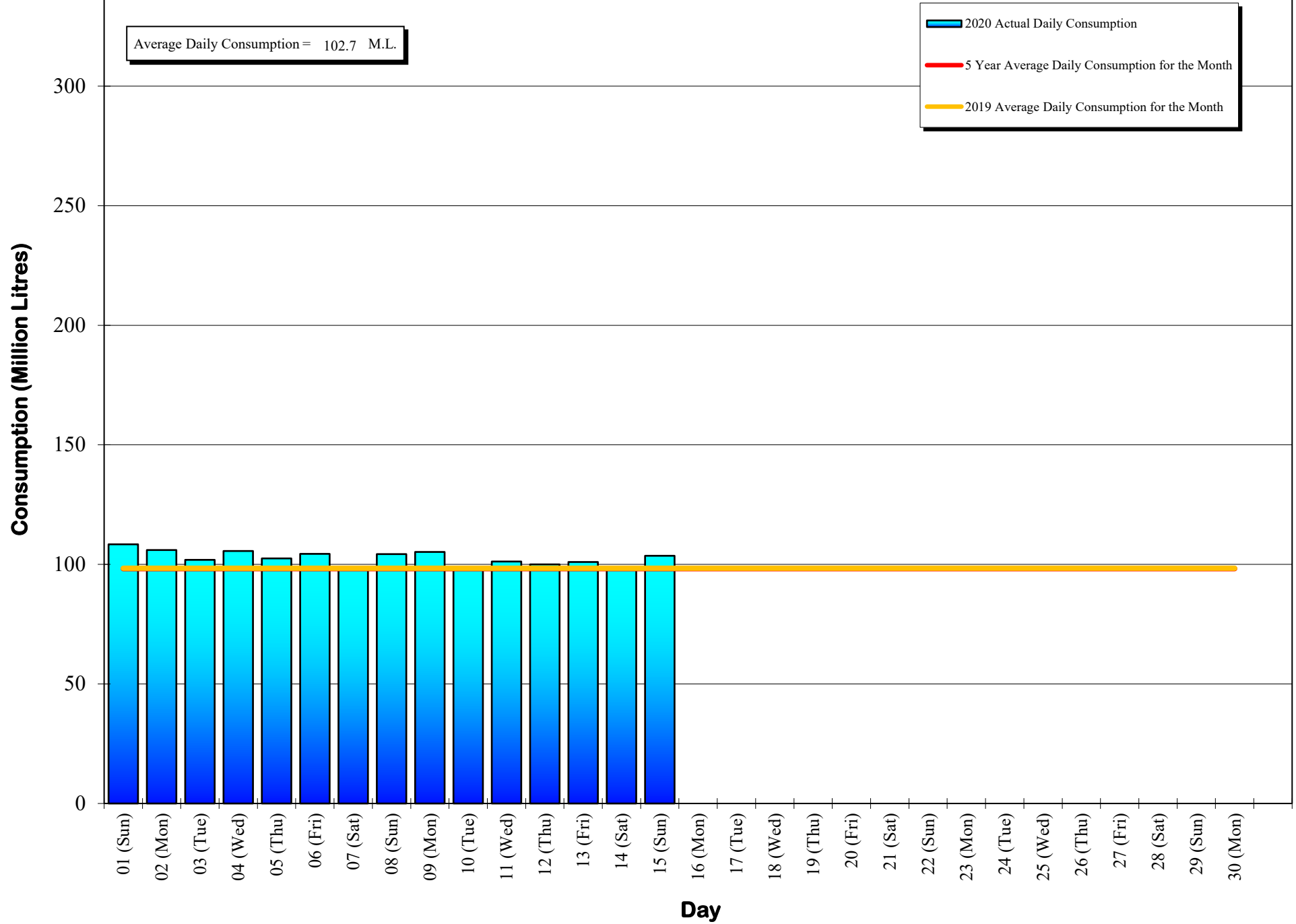
To avoid possible leaks this spring, now is the time to winterize your sprinkler system.
Visit www.crd.bc.ca/water for more information.

If you require further information, please contact:

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Daily Consumption
November 2020



Daily Consumptions: - November 2020

Date	Total Consumption		Air Temperature @ Japan Gulch		Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am			
	(ML) ¹ .		(MIG) ² .	High (°C)		Low (°C)	Rainfall (mm)	Snowfall ³ . (mm)	Total Precip.
01 (Sun)	108.4	<=Max	23.8	11	3	Sunny	0.0	0.0	0.0
02 (Mon)	106.0		23.3	9	3	Cloudy / P. Sunny	0.0	0.0	0.0
03 (Tue)	101.9		22.4	10	6	Cloudy / Rain	41.9	0.0	41.9
04 (Wed)	105.6		23.2	15	9	Cloudy / Rain	28.9	0.0	28.9
05 (Thu)	102.5		22.6	13	6	Cloudy / Showers / P. Sunny	1.8	0.0	1.8
06 (Fri)	104.4		23.0	9	2	Sunny	0.0	0.0	0.0
07 (Sat)	98.7		21.7	7	1	Cloudy / P. Sunny	0.0	0.0	0.0
08 (Sun)	104.3		22.9	6	0	Sunny	0.0	0.0	0.0
09 (Mon)	105.2		23.2	7	0	Cloudy / Showers	6.4	0.0	6.4
10 (Tue)	98.8		21.7	5	1	Cloudy / P. Sunny	0.0	0.0	0.0
11 (Wed)	101.2		22.3	6	1	Cloudy / P. Sunny	0.0	0.0	0.0
12 (Thu)	100.0		22.0	6	4	Cloudy / Rain	33.8	0.0	33.8
13 (Fri)	101.0		22.2	8	4	Cloudy / Rain	18.5	0.0	18.5
14 (Sat)	98.3	<=Min	21.6	6	3	Cloudy / Showers	9.6	0.0	9.6
15 (Sun)	103.6		22.8	9	5	Cloudy / Showers	11.4	0.0	11.4
16 (Mon)									
17 (Tue)									
18 (Wed)									
19 (Thu)									
20 (Fri)									
21 (Sat)									
22 (Sun)									
23 (Mon)									
24 (Tue)									
25 (Wed)									
26 (Thu)									
27 (Fri)									
28 (Sat)									
29 (Sun)									
30 (Mon)									
TOTAL	1539.9 ML		338.78 MIG				152.3	0	152.3
MAX	108.4		23.84	15	9		41.9	0	41.9
AVG	102.7		22.59	8.5	3.2		10.2	0	10.2
MIN	98.3		21.62	5	0		0.0	0	0.0

1. ML = Million Litres

2. MIG = Million Imperial Gallons

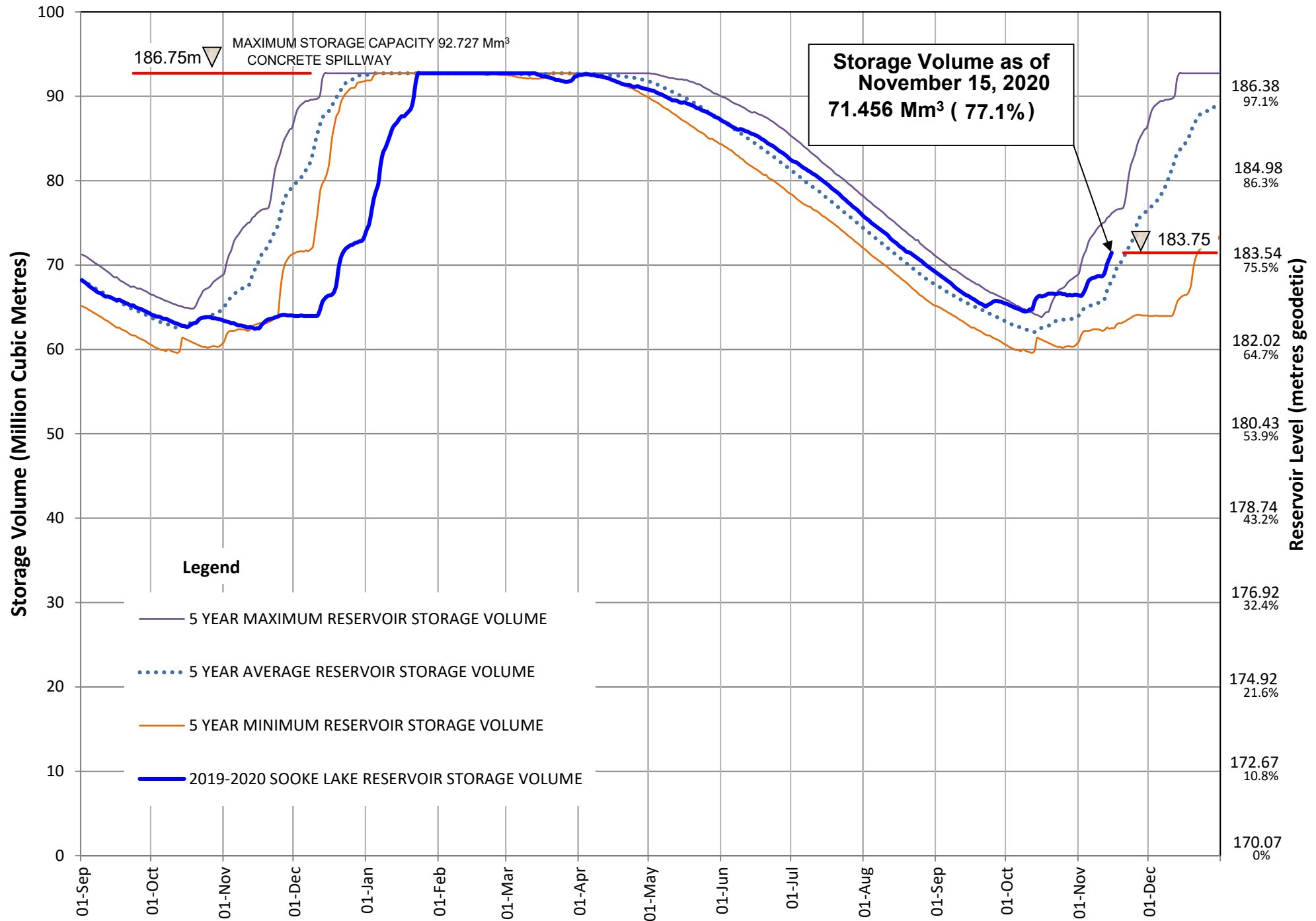
3. 10% of snow depth applied to rainfall figures for snow to water equivalent.

Average Rainfall for November (1914-2019)	260.4 mm
Actual Rainfall: November	152.3 mm
% of Average	58%
Average Rainfall (1914-2019): Sept 01 - Nov 15	355.7 mm
Actual Rainfall (2020): Sept 01 - Nov 15	443.6 mm
% of Average	125%

Number days with precip. 0.2 or more
8

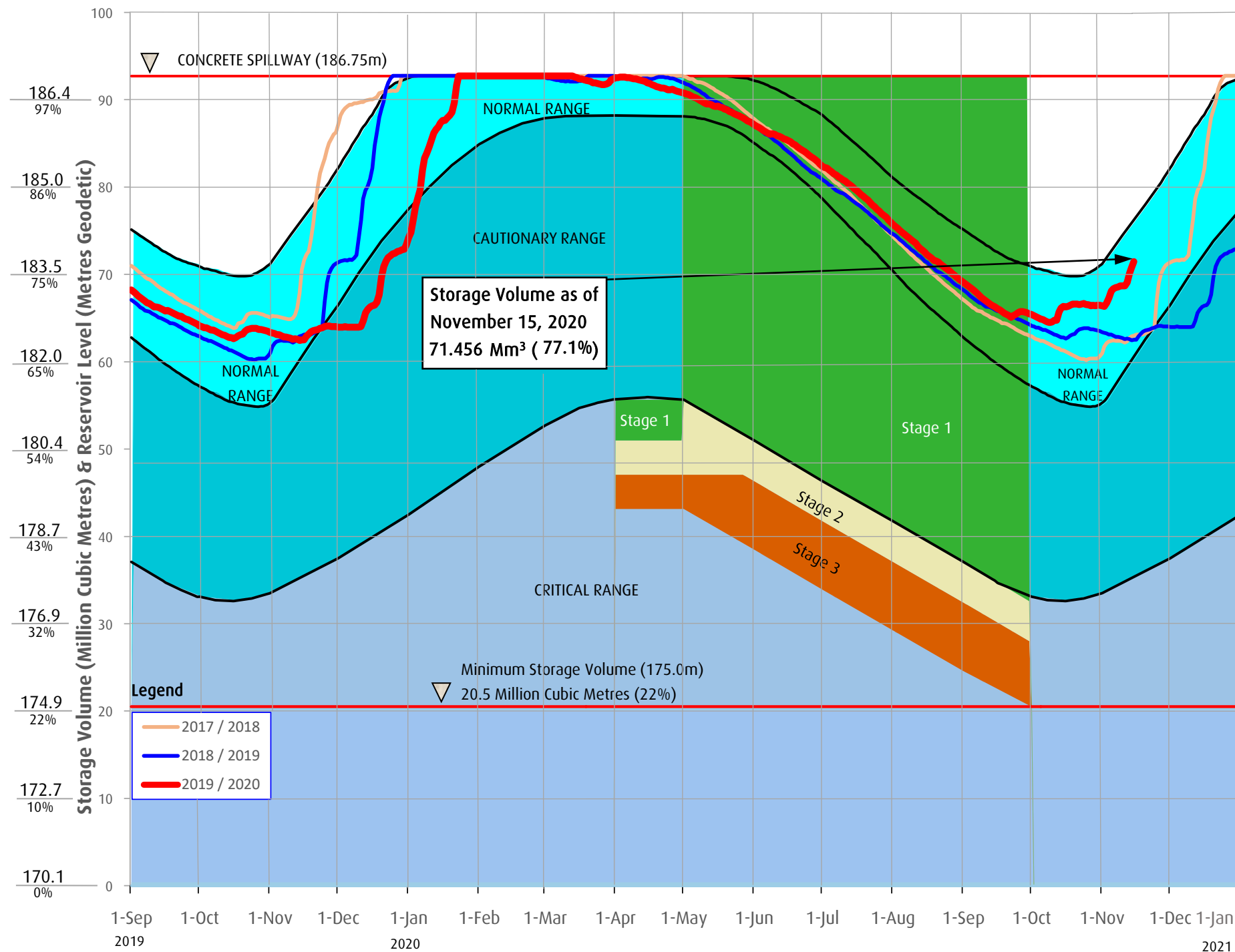
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2019 / 2020



Sooke Lake Reservoir Storage Level

Water Supply Management Plan



FAQs

How are water restriction stages determined?

Several factors are considered when determining water use restriction stages, including,

1. Time of year and typical seasonal water demand trends;
2. Precipitation and temperature conditions and forecasts;
3. Storage levels and storage volumes of water reservoirs (Sooke Lake Reservoir and the Goldstream Reservoirs) and draw down rates;
4. Stream flows and inflows into Sooke Lake Reservoir;
5. Water usage, recent consumption and trends; and customer compliance with restriction;
6. Water supply system performance.

The Regional Water Supply Commission will consider the above factors in making a determination to implement stage 2 or 3 restrictions, under the Water Conservation Bylaw.

At any time of the year and regardless of the water use restriction storage, customers are encouraged to limit discretionary water use in order to maximize the amount of water in the Regional Water Supply System Reservoirs available for nondiscretionary potable water use.

Stage 1 is normally initiated every year from May 1 to September 30 to manage outdoor use during the summer months. During this time, lawn watering is permitted twice a week at different times for even and odd numbered addresses.

Stage 2 is initiated when it is determined that there is an acute water supply shortage. During this time, lawn water is permitted once a week at different times for even and odd numbered addresses.

Stage 3 is initiated when it is determined that there is a severe water supply shortage. During this time, lawn watering is not permitted. Other outdoor water use activities are restricted as well.

For more information, visit www.crd.bc.ca/drinkingwater

CRD
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Useable Reservoir Volumes in Storage for November 15, 2020

