

## CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

### Water Watch

Issued April 12, 2021

#### Water Supply System Summary:

##### 1. Useable Volume in Storage:

Reservoir	April 30 5 Year Ave		April 30/20		April 11/21		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	91,653	20,164	90,839	19,985	92,727	20,400	100.0%
Goldstream	7,841	1,725	8,139	1,791	9,172	2,018	92.5%
Total	99,495	21,889	98,978	21,775	101,899	22,418	99.4%

##### 2. Average Daily Demand:

For the month of April	110.4 MLD	24.29 MIGD
For week ending April 11, 2021	112.2 MLD	24.68 MIGD
Max. day April 2021, to date:	115.9 MLD	25.50 MIGD

##### 3. Average 5 Year Daily Demand for April

Average (2016 - 2020)	111.2 MLD <sup>1</sup>	24.45 MIGD <sup>2</sup>
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<sup>1</sup>MLD = Million Litres Per Day      <sup>2</sup>MIGD = Million Imperial Gallons Per Day

##### 4. Rainfall April:

Average (1914 - 2020):	89.1 mm
Actual Rainfall to Date	29.9 mm (34% of monthly average)

##### 5. Rainfall: Sep 1- Apr 11

Average (1914 - 2020):	1,447.3 mm
2020/2021	1,525.0 mm (105% of average)

##### 6. Water Conservation Action Required:

If each of us saves a little, together we can save a lot.  
Visit our website at [www.crd.bc.ca/water](http://www.crd.bc.ca/water) for more information.

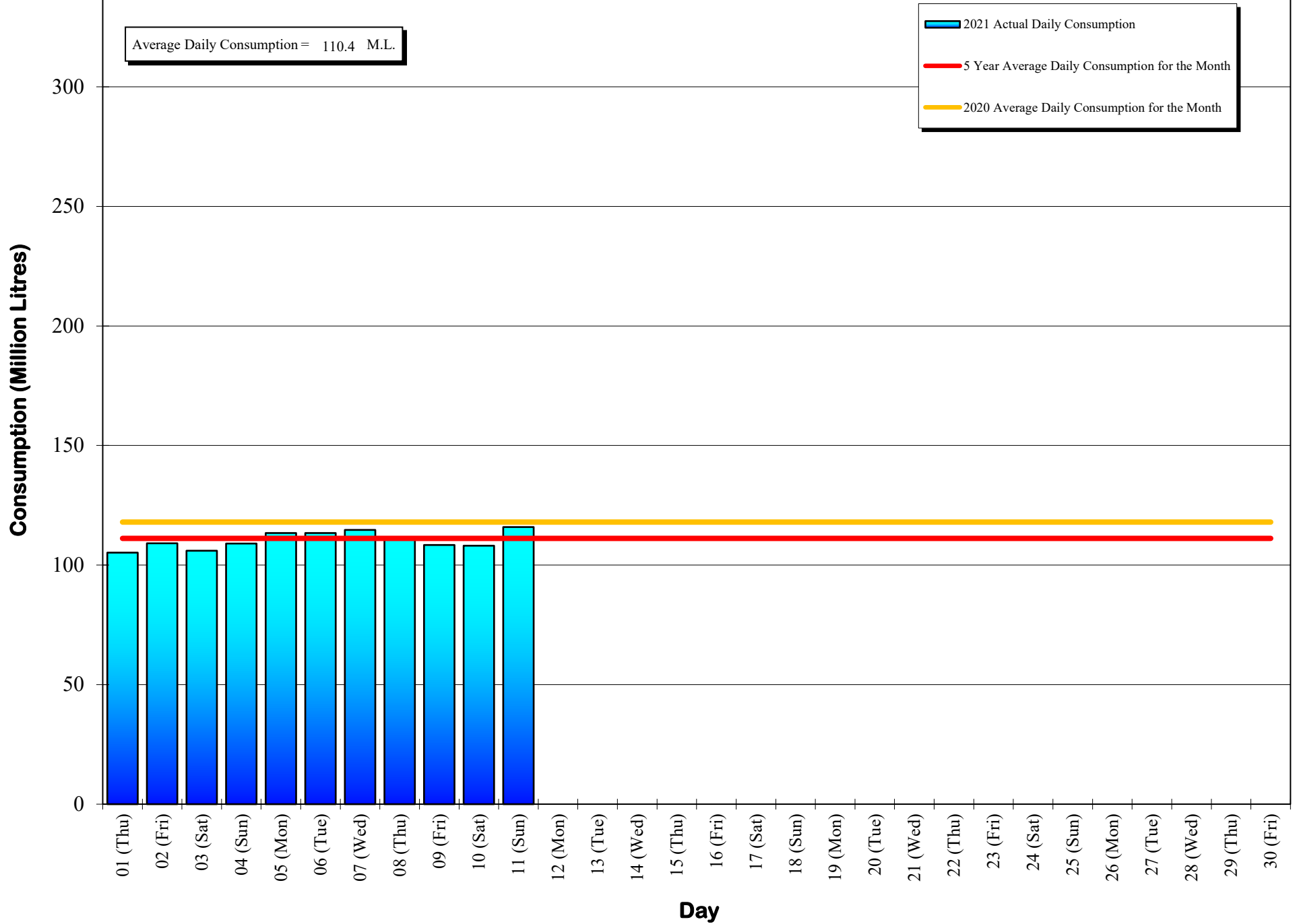
If you require further information, please contact:

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# Daily Consumption

## April 2021



## Daily Consumptions: - April 2021

Date	Total Consumption		Air Temperature @ Japan Gulch		Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am			
	(ML) <sup>1</sup>	(MIG) <sup>2</sup>	High (°C)	Low (°C)		Rainfall (mm)	Snowfall <sup>3</sup> (mm)	Total Precip.	
01 (Thu)	105.2	<=Min	23.1	13	2	Sunny / P. Cloudy	0.0	0.0	0.0
02 (Fri)	109.1		24.0	11	2	Sunny / P. Cloudy	0.0	0.0	0.0
03 (Sat)	106.0		23.3	13	5	Sunny / P. Cloudy / Showers	0.3	0.0	0.3
04 (Sun)	109.0		24.0	10	1	Sunny / P. Cloudy / Showers	0.8	0.0	0.8
05 (Mon)	113.4		25.0	11	0	Sunny	0.0	0.0	0.0
06 (Tue)	113.4		24.9	14	1	Sunny / P. Cloudy	0.0	0.0	0.0
07 (Wed)	114.7		25.2	9	3	Cloudy / Showers	5.9	0.0	5.9
08 (Thu)	111.3		24.5	11	1	Sunny	0.0	0.0	0.0
09 (Fri)	108.4		23.9	6	2	Rain	22.4	0.0	22.4
10 (Sat)	108.1		23.8	10	0	Sunny / P. Cloudy / Showers	0.5	0.0	0.5
11 (Sun)	115.9	<=Max	25.5	10	-1	Sunny / P. Cloudy	0.0	0.0	0.0
12 (Mon)									
13 (Tue)									
14 (Wed)									
15 (Thu)									
16 (Fri)									
17 (Sat)									
18 (Sun)									
19 (Mon)									
20 (Tue)									
21 (Wed)									
22 (Thu)									
23 (Fri)									
24 (Sat)									
25 (Sun)									
26 (Mon)									
27 (Tue)									
28 (Wed)									
29 (Thu)									
30 (Fri)									
<b>TOTAL</b>	1214.5 ML	267.2 MIG					29.9	0	29.9
<b>MAX</b>	115.9	25.50	14	5			22.4	0	22.4
<b>AVG</b>	110.4	24.29	10.7	1.5			2.7	0	2.7
<b>MIN</b>	105.2	23.14	6	-1			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.

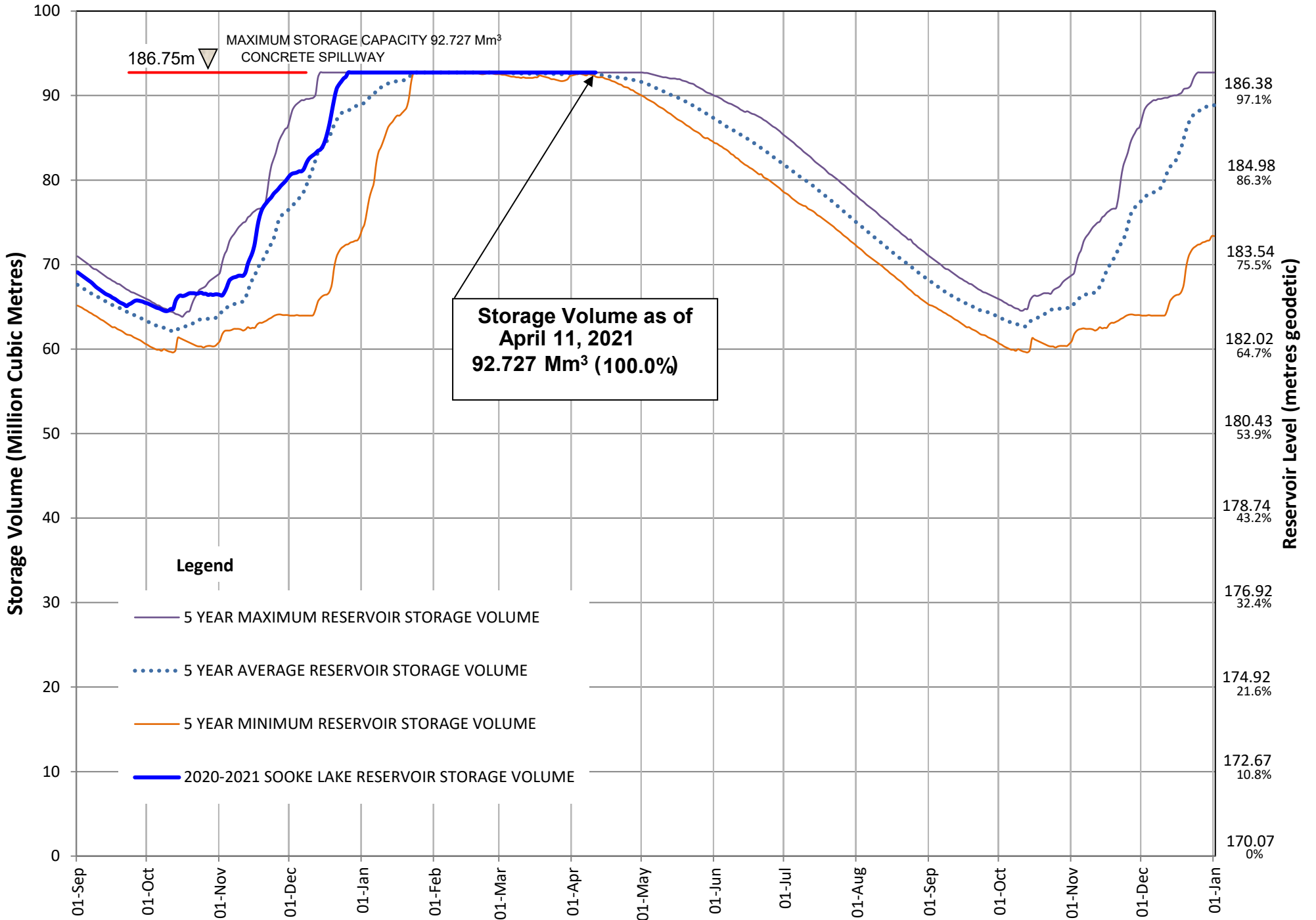
Average Rainfall for April (1914-2020)	89.1 mm
Actual Rainfall: April	29.9 mm
% of Average	34%
Average Rainfall (1914-2020): Sept 01 - Apr 11	1,447.3 mm
Actual Rainfall (2020/2021): Sept 01 - Apr 11	1,525.0 mm
% of Average	105%

Number days with precip. 0.2 or more
5

Water spilled at Sooke Reservoir to date (since Sept. 1) = 8.02 Billion Imperial Gallons  
 = 36.50 Billion Litres

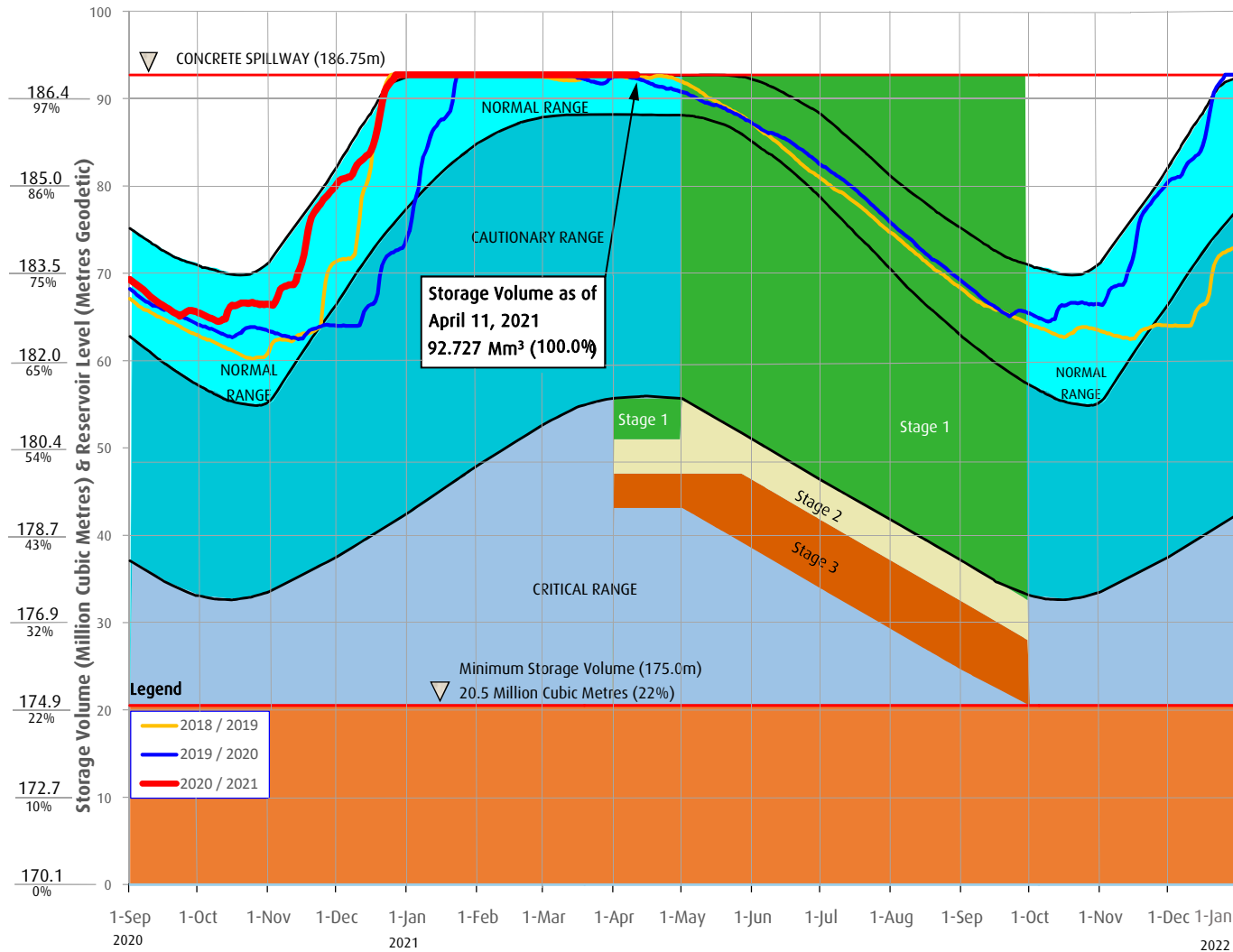
# SOOKE LAKE RESERVOIR STORAGE SUMMARY

## 2020 / 2021



# 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](http://www.crd.bc.ca/drinkingwater)

# Useable Reservoir Volumes in Storage for April 11, 2021

