

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued January 11, 2021

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	January 31 5 Year Ave		January 31/20		January 10/21		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,727	20,400	92,727	20,400	92,727	20,400	100.0%
Goldstream	8,181	1,800	8,272	1,820	9,199	2,024	92.8%
Total	100,908	22,200	100,999	22,220	101,926	22,424	99.4%

2. Average Daily Demand:

For the month of January	101.5 MLD	22.32 MIGD
For week ending January 10, 2021	102.7 MLD	22.59 MIGD
Max. day January 2021, to date:	104.1 MLD	22.90 MIGD

3. Average 5 Year Daily Demand for January

Average (2016 - 2020)	97.6 MLD ¹	21.48 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall January:

Average (1914 - 2020):	274.5 mm
Actual Rainfall to Date	164.3 mm (60% of monthly average)

5. Rainfall: Sep 1- Jan 10

Average (1914 - 2020):	877.6 mm
2020/2021	1,098.5 mm (125% of average)

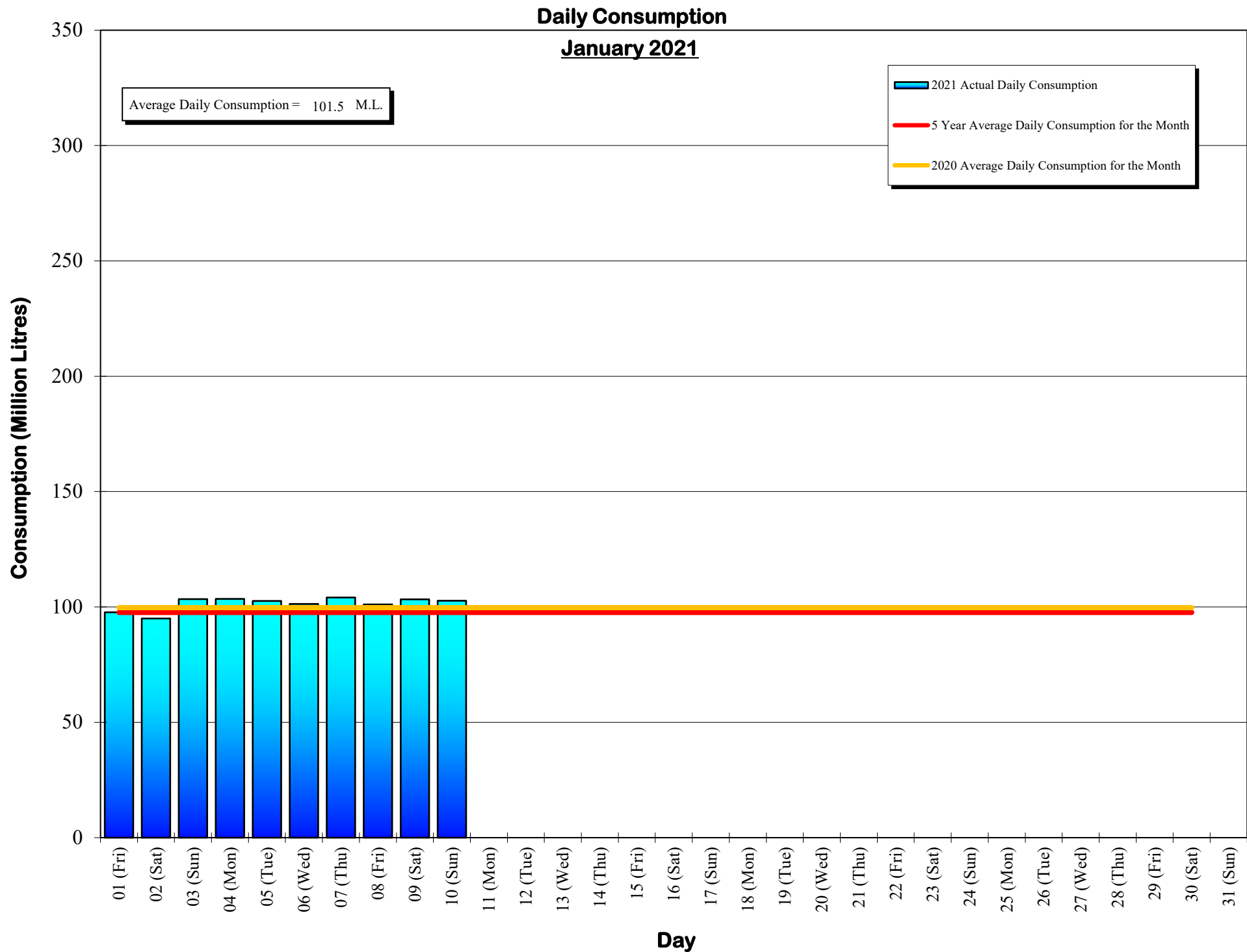
6. Water Conservation Action Required:

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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or
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Daily Consumptions: - January 2021

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 (Fri)	97.7	<=Min	21.5	9	6	Cloudy / Rain	24.9	0.0	24.9
02 (Sat)	95.0		20.9	7	5	Heavy Rain	59.4	0.0	59.4
03 (Sun)	103.4		22.8	8	3	Cloudy / Showers / P. Sunny	10.9	0.0	10.9
04 (Mon)	103.5		22.8	7	3	Cloudy / Rain	21.6	0.0	21.6
05 (Tue)	102.6		22.6	7	3	Cloudy / Rain	30.5	0.0	30.5
06 (Wed)	101.3		22.3	7	3	Cloudy / Showers / P. Sunny	2.3	0.0	2.3
07 (Thu)	104.1	<=Max	22.9	7	2	Cloudy / P. Sunny	0.0	0.0	0.0
08 (Fri)	101.1		22.2	7	1	Cloudy / Showers / P. Sunny	4.1	0.0	4.1
09 (Sat)	103.3		22.7	6	0	Cloudy / Showers	4.3	0.0	4.3
10 (Sun)	102.7		22.6	7	4	Cloudy / Showers	6.3	0.0	6.3
11 (Mon)									
12 (Tue)									
13 (Wed)									
14 (Thu)									
15 (Fri)									
16 (Sat)									
17 (Sun)									
18 (Mon)									
19 (Tue)									
20 (Wed)									
21 (Thu)									
22 (Fri)									
23 (Sat)									
24 (Sun)									
25 (Mon)									
26 (Tue)									
27 (Wed)									
28 (Thu)									
29 (Fri)									
30 (Sat)									
31 (Sun)									
TOTAL	1014.7 ML		223.22 MIG				164.3	0	164.3
MAX	104.1		22.90	9	6		59.4	0	59.4
AVG	101.5		22.32	7.2	3.0		16.4	0	16.4
MIN	95.0		20.89	6	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.

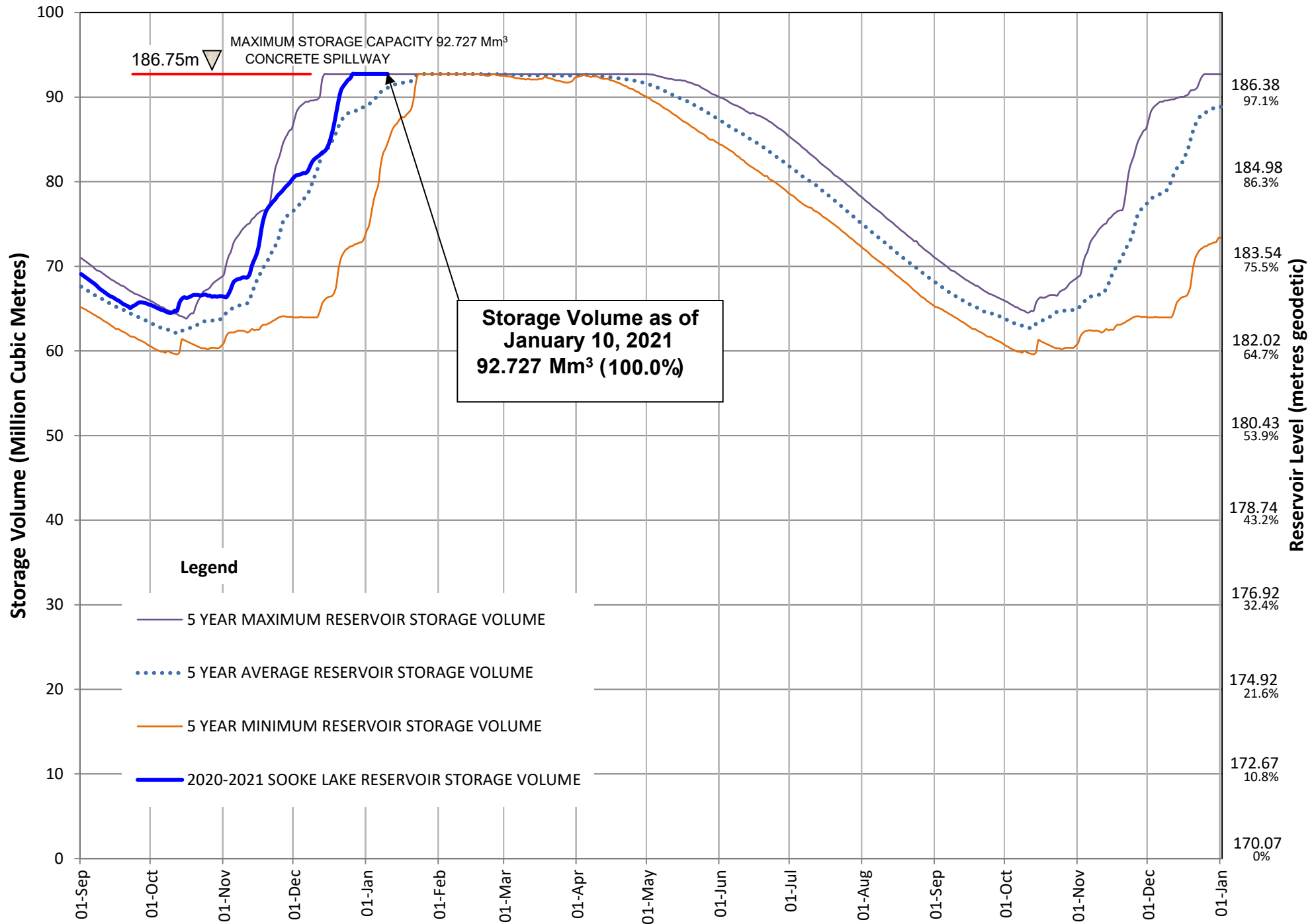
Average Rainfall for January (1914-2020)	274.5 mm
Actual Rainfall: January	164.3 mm
% of Average	60%
Average Rainfall (1914-2020): Sept 01 - Jan 10	877.6 mm
Actual Rainfall (2020/2021): Sept 01 - Jan 10	1,098.5 mm
% of Average	125%

Number days with precip. 0.2 or more
9

Water spilled at Sooke Reservoir to date (since Sept. 1) = 4.29 Billion Imperial Gallons
= 19.50 Billion Litres

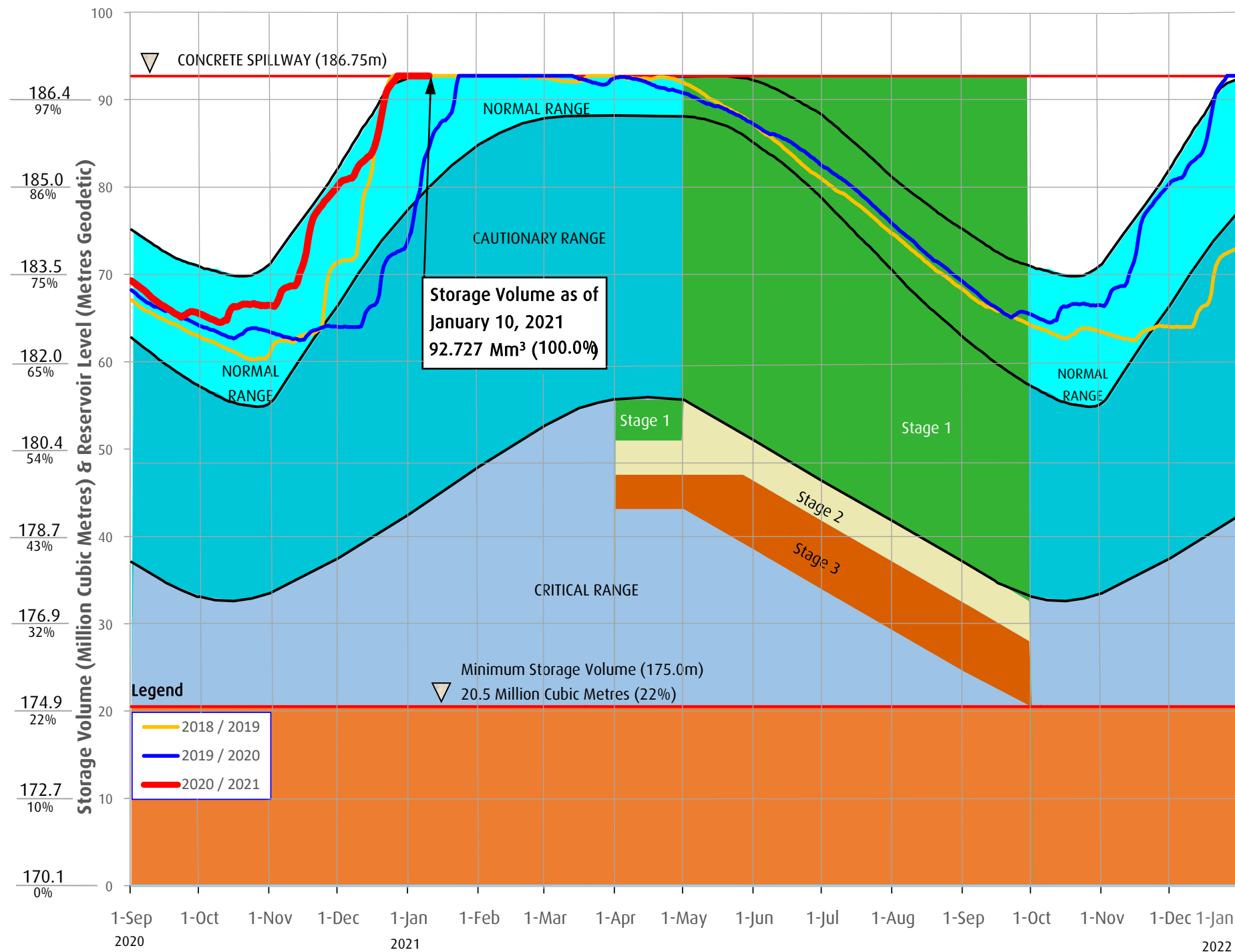
SOOKE LAKE RESERVOIR STORAGE SUMMARY

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

CRD
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Useable Reservoir Volumes in Storage for January 10, 2021

