

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued February 10, 2020

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	February 29 5 Year Ave		March 1/19		February 9/20		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,688	20,391	92,530	20,357	92,727	20,400	100.0%
Goldstream	8,133	1,789	6,330	1,393	8,291	1,824	83.6%
Total	100,821	22,181	98,860	21,749	101,018	22,224	98.5%

2. Average Daily Demand:

For the month of February	100.8 MLD	22.18 MIGD
For week ending February 09, 2020	100.6 MLD	22.13 MIGD
Max. day February 2020, to date:	106.9 MLD	23.52 MIGD

3. Average 5 Year Daily Demand for February

Average (2015 - 2019)	97.1 MLD ¹	21.35 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall February:

Average (1914 - 2019):	192.2 mm
Actual Rainfall to Date	106.1 mm (55% of monthly average)

5. Rainfall: Sep 1- Feb 9

Average (1914 - 2019):	1,124.6 mm
2019/2020	1,320.7 mm (117% of average)

6. Water Conservation Action Required:

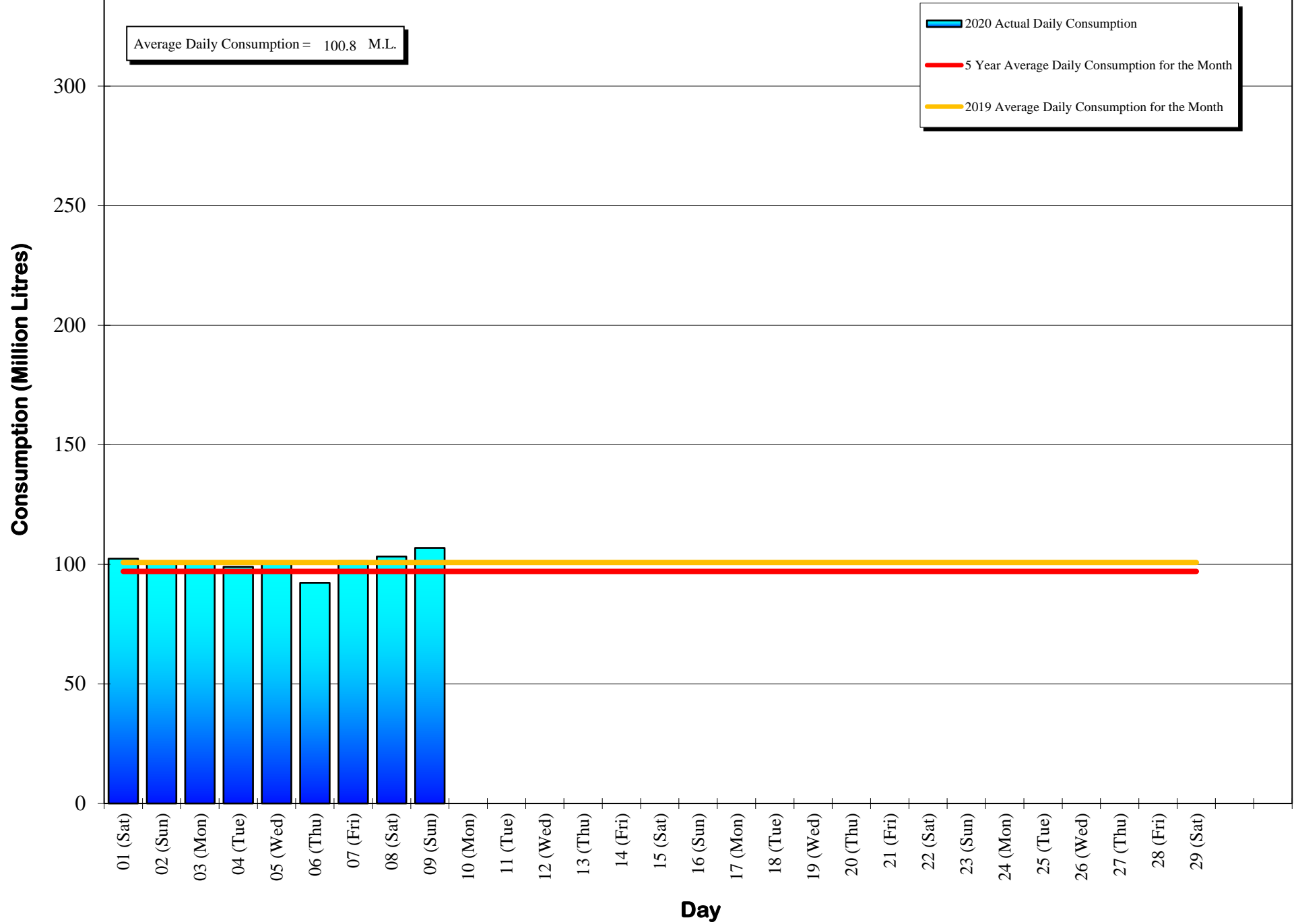
If each of us saves a little, together we can save a lot.
Check our website at www.crd.bc.ca/water for more information.

If you require further information, please contact:

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Daily Consumption
February 2020



Daily Consumptions: - February 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 (Sat)	102.4		22.5	11	1	Cloudy / Rain / P. Sunny	33.8	0.0	33.8
02 (Sun)	100.6		22.1	5	-1	Sunny / P. Cloudy / Showers	1.0	0.0	1.0
03 (Mon)	101.2		22.3	3	-1	Sunny / P. Cloudy	0.0	0.0	0.0
04 (Tue)	99.0		21.8	1	0	Cloudy / Rain/ Flurries	15.5	10.1	16.5
05 (Wed)	100.2		22.0	3	0	Cloudy /Showers	5.1	0.0	5.1
06 (Thu)	92.3	<=Min	20.3	5	3	Cloudy /Showers	12.9	0.0	12.9
07 (Fri)	101.4		22.3	8	4	Cloudy / Rain	36.8	0.0	36.8
08 (Sat)	103.3		22.7	8	0	Sunny / P. Cloudy	0.0	0.0	0.0
09 (Sun)	106.9	<=Max	23.5	6	0	Cloudy / P. Sunny	0.0	0.0	0.0
10 (Mon)									
11 (Tue)									
12 (Wed)									
13 (Thu)									
14 (Fri)									
15 (Sat)									
16 (Sun)									
17 (Mon)									
18 (Tue)									
19 (Wed)									
20 (Thu)									
21 (Fri)									
22 (Sat)									
23 (Sun)									
24 (Mon)									
25 (Tue)									
26 (Wed)									
27 (Thu)									
28 (Fri)									
29 (Sat)									
TOTAL	907.3 ML		199.61 MIG				105.1	10	106.1
MAX	106.9		23.52	11	4		36.8	10	36.8
AVE	100.8		22.18	5.6	0.7		11.7	1	11.8
MIN	92.3		20.32	1	-1		0.0	0	0.0

2. MIG = Million Imperial Gallons

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

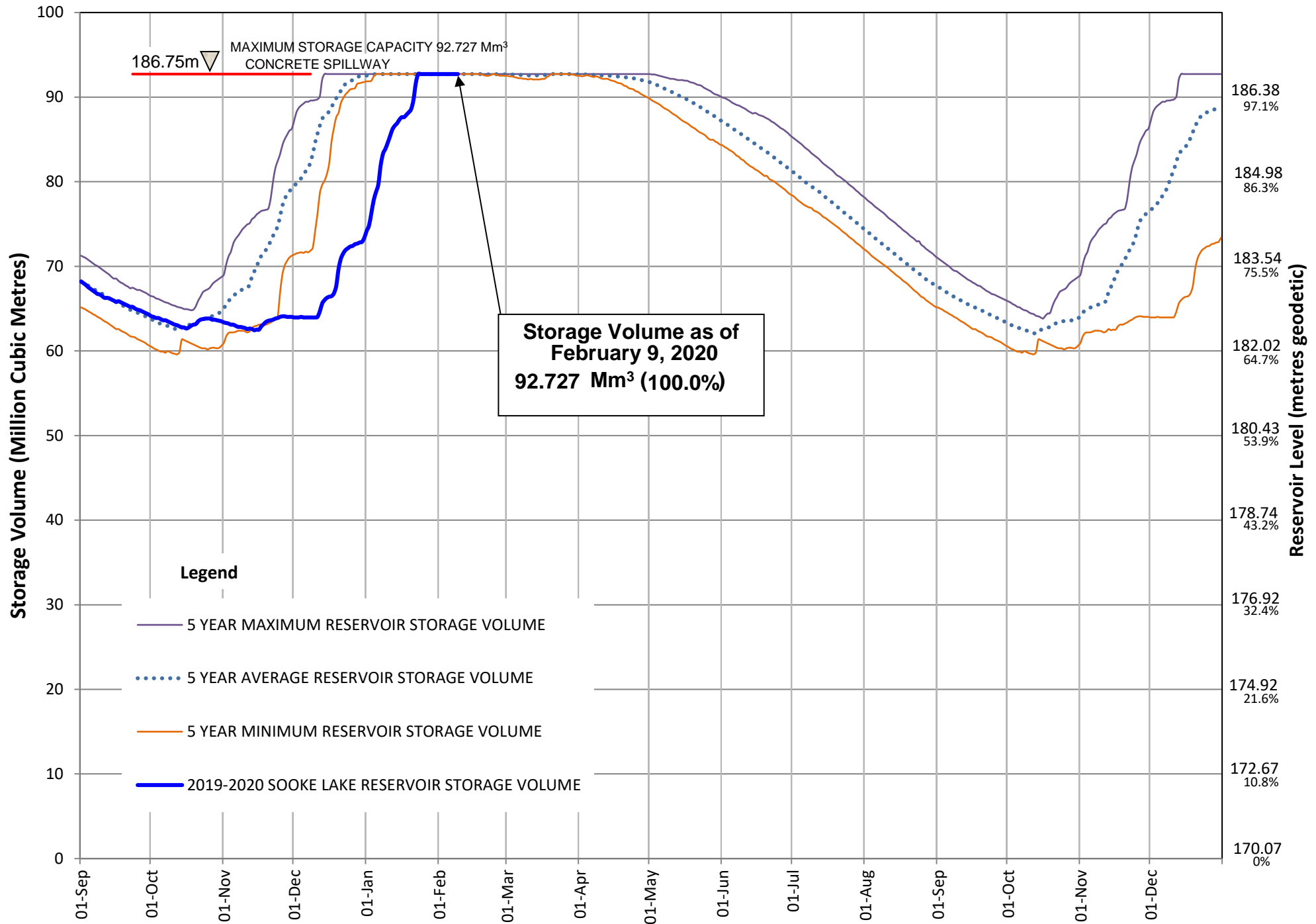
Average Rainfall for February (1914-2019)	192.2 mm
Actual Rainfall: February	106.1 mm
% of Average	55%
Average Rainfall (1914-2019): Sept 01 - Feb 09	1,124.6 mm
Actual Rainfall (2019/2020): Sept 01 - Feb 09	1,320.7 mm
% of Average	117%

Number days with precip. 0.2 or more
6

Water spilled at Sooke Reservoir to date (since Sept. 1) =	5.59 Billion Imperial Gallons
=	25.40 Billion Litres

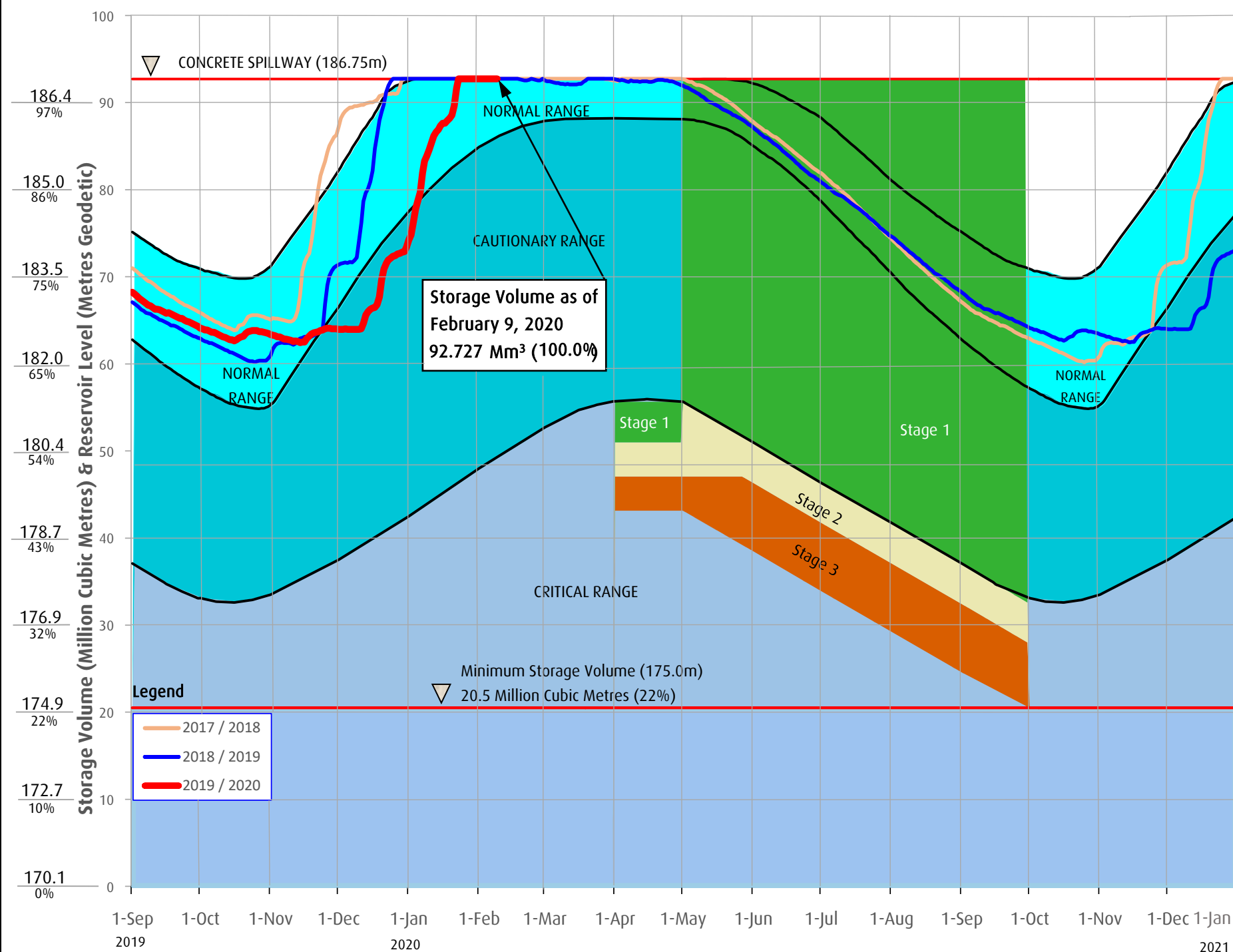
SOOKE LAKE RESERVOIR STORAGE SUMMARY

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

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Useable Reservoir Volumes in Storage for February 09, 2020

