

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued November 12, 2019

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	November 30 5 Year Ave		November 30/18		November 10/19		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	79,072	17,396	70,912	15,601	62,714	13,797	67.6%
Goldstream	7,691	1,692	7,691	1,692	4,033	887	41.0%
Total	86,763	19,088	78,603	17,293	66,747	14,684	65.1%

2. Average Daily Demand:

For the month of November	99.6 MLD	21.91 MIGD
For week ending November 10, 2019	98.4 MLD	21.65 MIGD
Max. day November 2019, to date:	105.5 MLD	23.20 MIGD

3. Average 5 Year Daily Demand for November

Average (2014 - 2018)	98.6 MLD ¹	21.70 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall November:

Average (1914 - 2018):	261.7 mm
Actual Rainfall to Date	3.6 mm (1% of monthly average)

5. Rainfall: Sep 1- Nov 10

Average (1914 - 2018):	310.4 mm
2019	267.3 mm (86% of average)

6. Water Conservation Action Required:

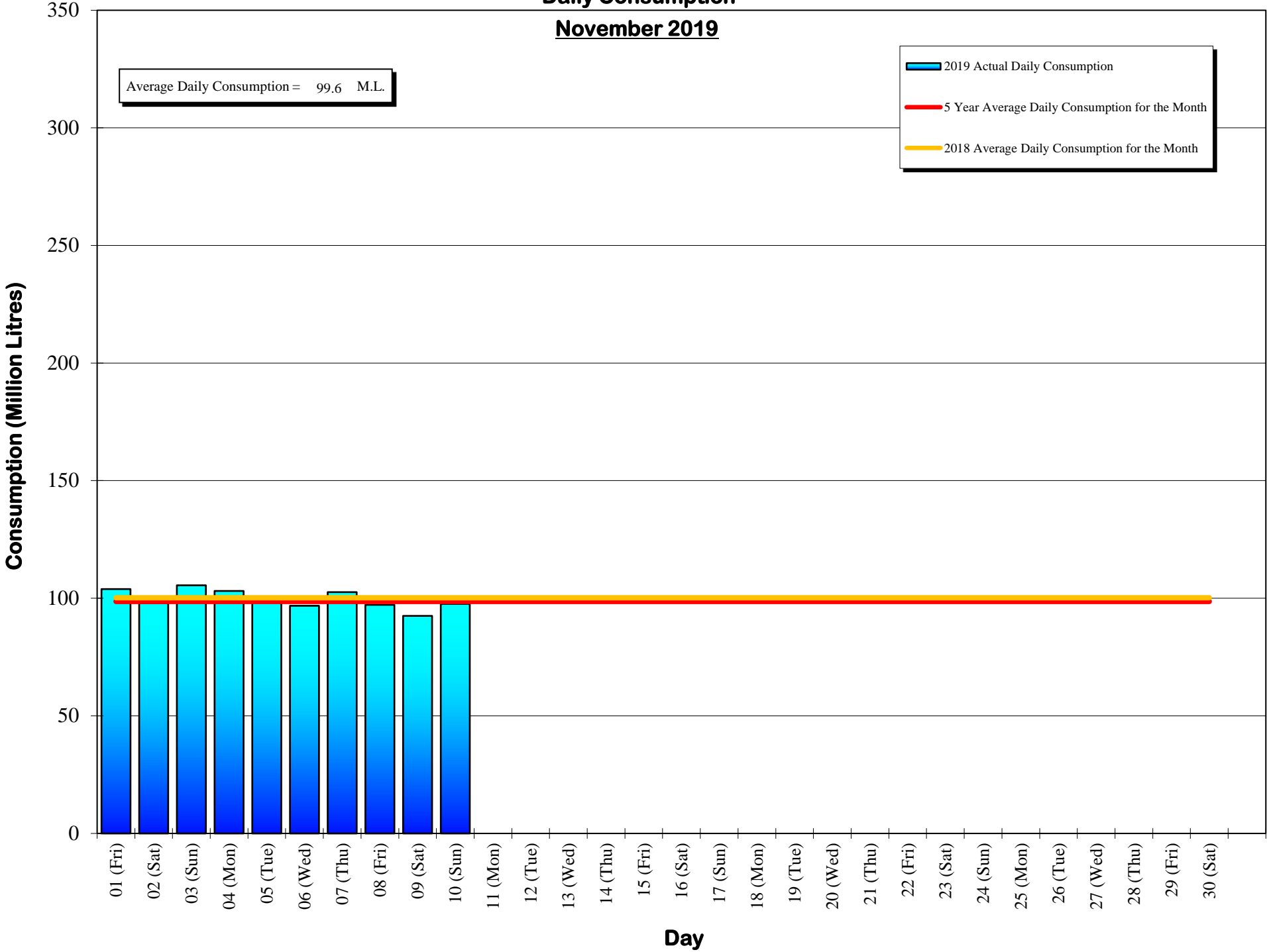
If each of us saves a little, together we can save a lot.
Check our website at www.crd.bc.ca/water for more information.

If you require further information, please contact:

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Daily Consumption
November 2019



Daily Consumptions: - November 2019

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)	103.9		22.8	10	2	Sunny / P. Cloudy	0.0	0.0	0.0
02 (Sat)	97.9		21.5	11	3	Sunny / P. Cloudy	0.0	0.0	0.0
03 (Sun)	105.5	<=Max	23.2	11	4	Cloudy	0.0	0.0	0.0
04 (Mon)	103.1		22.7	11	4	Cloudy	0.0	0.0	0.0
05 (Tue)	99.1		21.8	11	5	Cloudy / P. Sunny	0.0	0.0	0.0
06 (Wed)	96.8		21.3	12	4	Sunny / P. Cloudy	0.0	0.0	0.0
07 (Thu)	102.6		22.6	12	4	Sunny	0.0	0.0	0.0
08 (Fri)	97.2		21.4	11	4	Sunny / P. Cloudy / Showers	1.3	0.0	1.3
09 (Sat)	92.5	<=Min	20.4	10	8	Cloudy / Showers / P. Sunny	2.0	0.0	2.0
10 (Sun)	97.6		21.5	11	6	Cloudy / Showers / P. Sunny	0.3	0.0	0.3
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)									
TOTAL	996.2 ML		219.13 MIG				3.6	0	3.6
MAX	105.5		23.20	12	8		2.0	0	2.0
AVE	99.6		21.91	11.0	4.4		0.4	0	0.4
MIN	92.5		20.35	10	2		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.

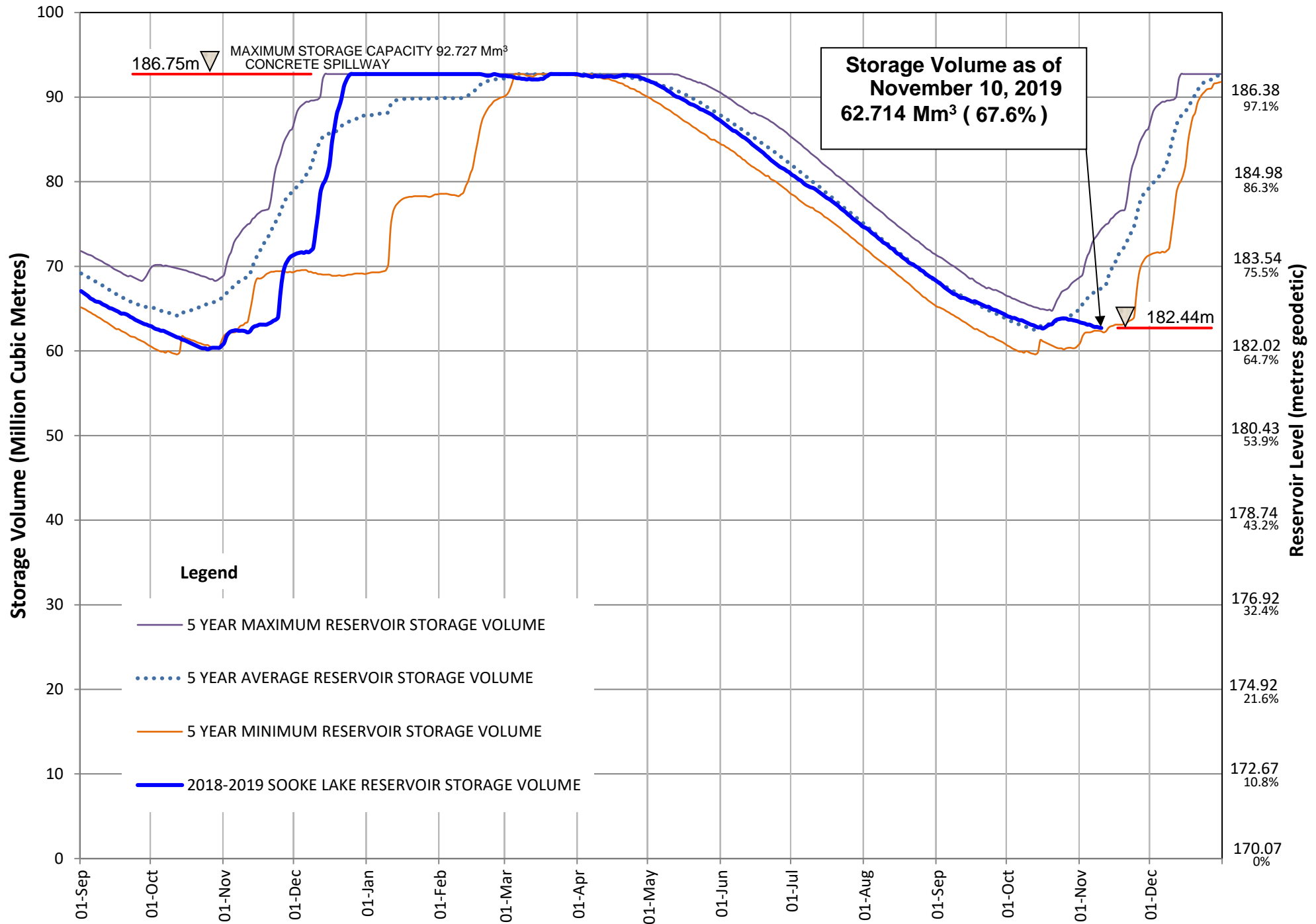
Average Rainfall for November (1914-2018)	261.7 mm
Actual Rainfall: November	3.6 mm
% of Average	1%
Average Rainfall (1914-2018): Sept 01 - Nov 10	310.4 mm
Actual Rainfall (2019): Sept 01 - Nov 10	267.3 mm
% of Average	86%

Number days with precip. 0.2 or more
3

Water spilled at Sooke Reservoir to date (since Sept. 1) = 0.00 Billion Imperial Gallons
= 0.00 Billion Litres

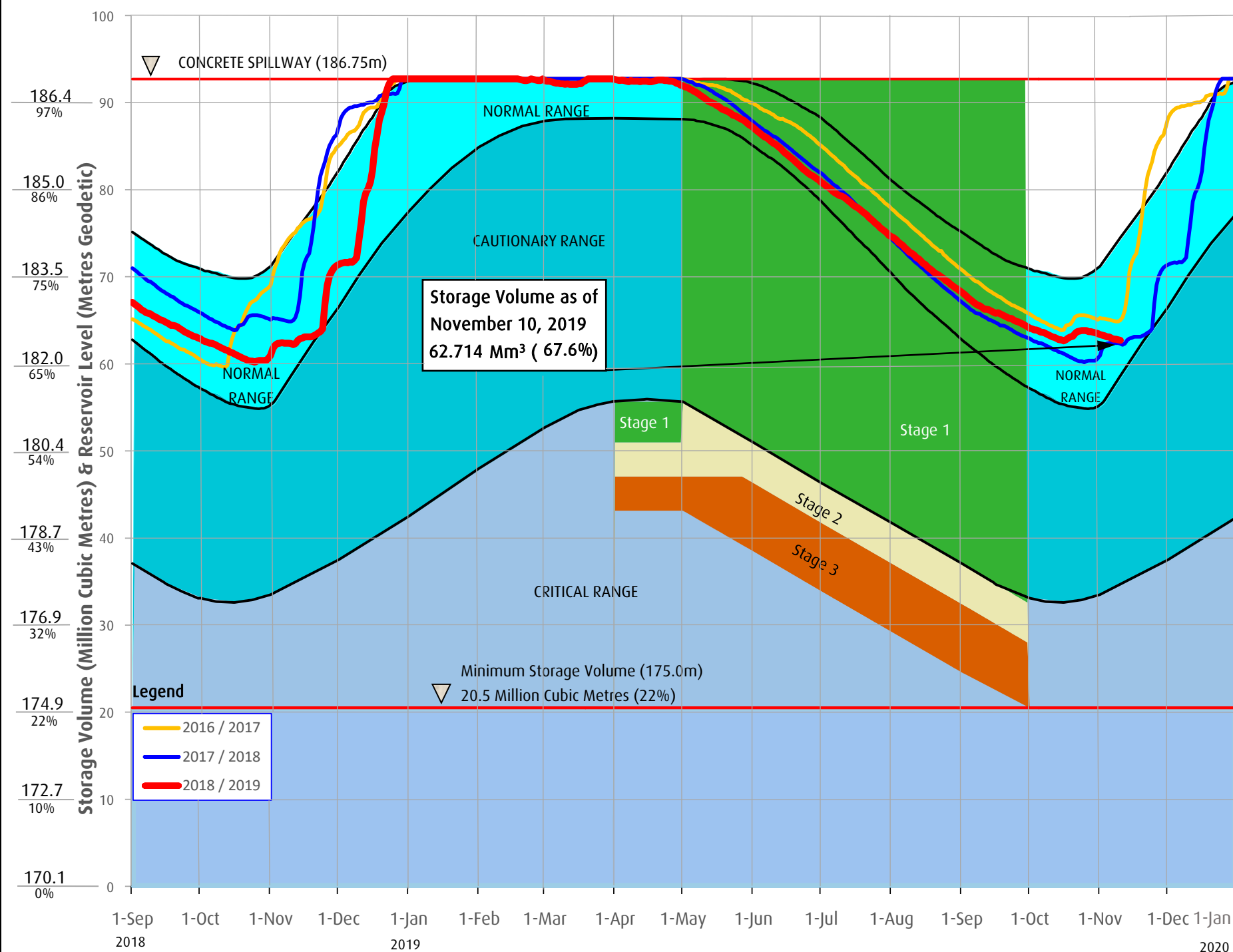
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2018 / 2019



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 Commisison 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 November 10, 2019

