

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES**Water Watch**

Issued May 11, 2020

Water Supply System Summary:**1. Useable Volume in Storage:**

Reservoir	May 31 5 Year Ave		May 31/19		May 10/20		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	87,331	19,213	87,340	19,215	89,668	19,727	96.7%
Goldstream	7,492	1,648	6,096	1,341	8,163	1,796	82.3%
Total	94,823	20,861	93,436	20,556	97,830	21,523	95.4%

2. Average Daily Demand:

For the month of May	141.3 MLD	31.09 MIGD
For week ending May 10, 2020	150.5 MLD	33.11 MIGD
Max. day May 2020, to date:	176.3 MLD	38.79 MIGD

3. Average 5 Year Daily Demand for May

Average (2015 - 2019)	153.9 MLD ¹	33.85 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day**4. Rainfall May:**

Average (1914 - 2019):	47.7 mm
Actual Rainfall to Date	7.7 mm (16% of monthly average)

5. Rainfall: Sep 1- May 10

Average (1914 - 2019):	1,520.9 mm
2019/2020	1,558.0 mm (102% of average)

6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through to September 30, 2020.
Visit www.crd.bc.ca/water for scheduling information.

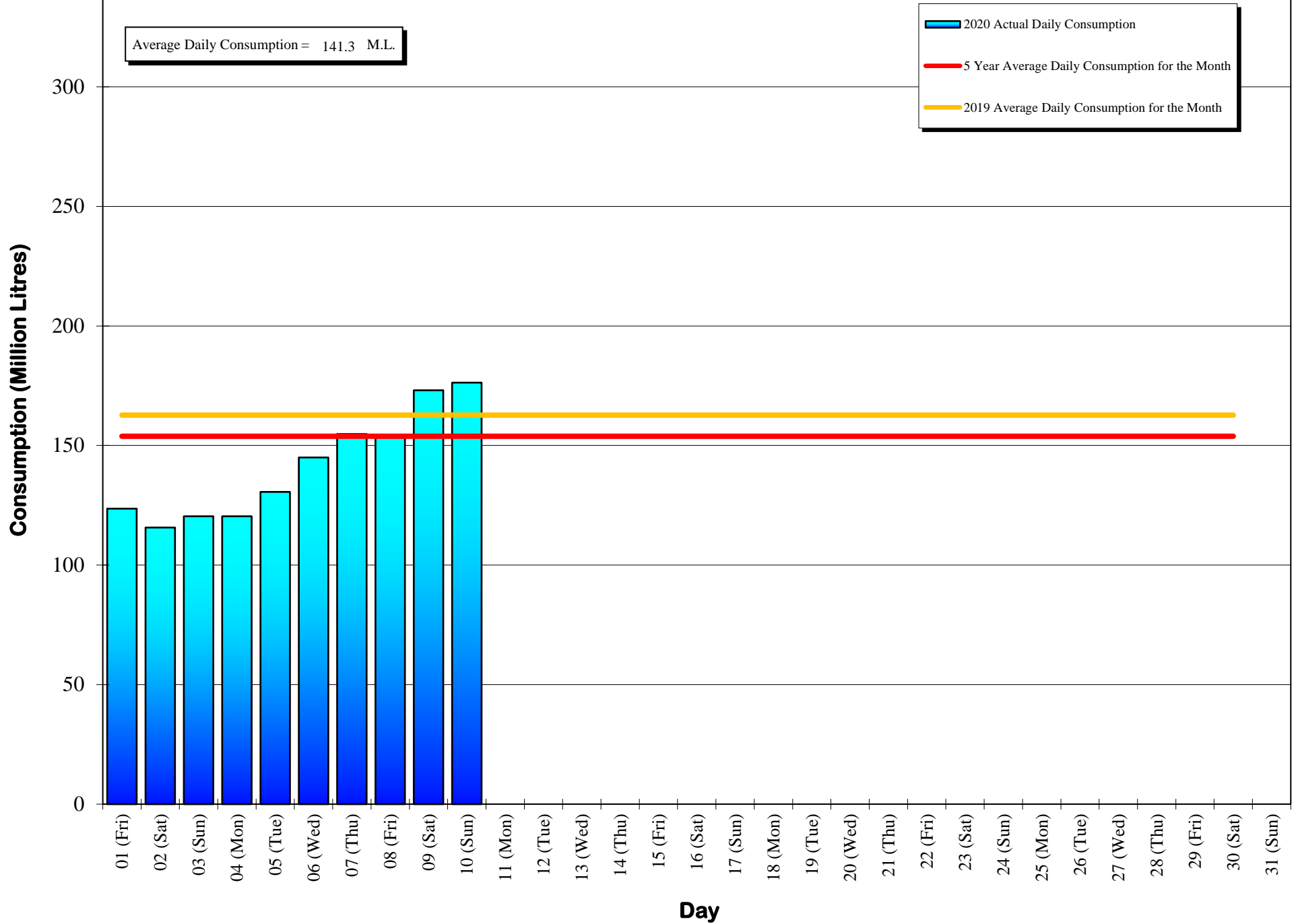
If you require further information, please contact:

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Daily Consumption

May 2020



Daily Consumptions: - May 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 (Fri)	123.6		15	7	Cloudy / P. Sunny	0.0	0.0	0.0
02 (Sat)	115.7	<=Min	13	6	Cloudy / Showers / P. Sunny	2.3	0.0	2.3
03 (Sun)	120.4		13	5	Sunny / P. Cloudy / Showers	3.6	0.0	3.6
04 (Mon)	120.4		14	4	Sunny / P. Cloudy / Showers	1.5	0.0	1.5
05 (Tue)	130.6		18	5	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Wed)	145.0		14	6	Sunny	0.3	0.0	0.3
07 (Thu)	154.8		18	4	Sunny	0.0	0.0	0.0
08 (Fri)	153.3		24	8	Sunny	0.0	0.0	0.0
09 (Sat)	173.1		26	10	Sunny	0.0	0.0	0.0
10 (Sun)	176.3	<=Max	27	11	Sunny	0.0	0.0	0.0
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	1413.2 ML	310.92 MIG				7.7	0	7.7
MAX	176.3	38.79	27	11		3.6	0	3.6
AVE	141.3	31.09	18.2	6.6		0.8	0	0.8
MIN	115.7	25.46	13	4		0.0	0	0.0

1. ML = Million Litres

2. MIG = Million Imperial Gallons

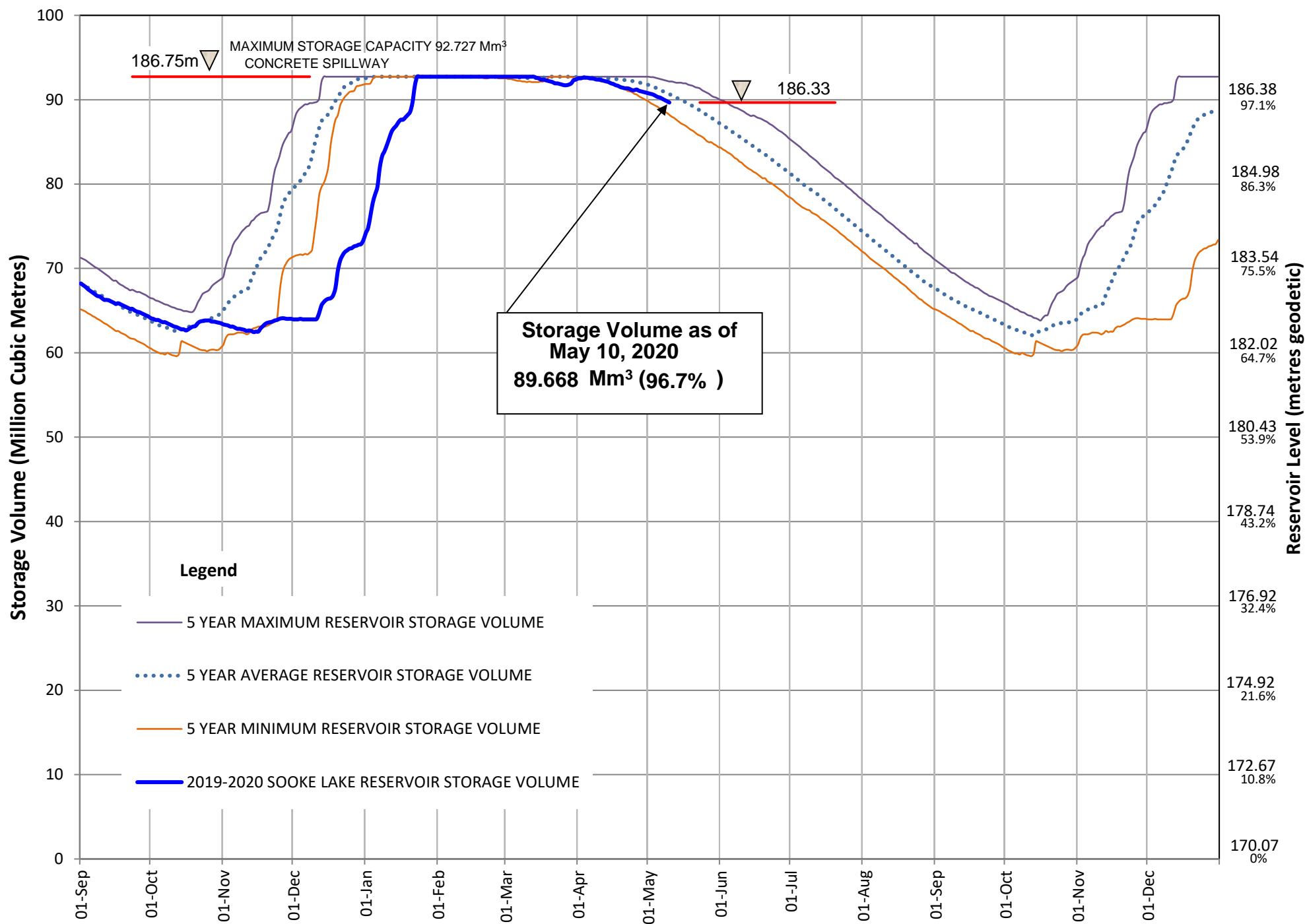
3. 10% of snow depth applied to rainfall figures for snow to water equivalent.

Average Rainfall for May (1914-2019)	47.7 mm
Actual Rainfall: May	7.7 mm
% of Average	16%
Average Rainfall (1914-2019): Sept 01 - May 10	1,520.9 mm
Actual Rainfall (2019/2020): Sept 01 - May 10	1,558.0 mm
% of Average	102%

Number days with precip. 0.2 or more
4

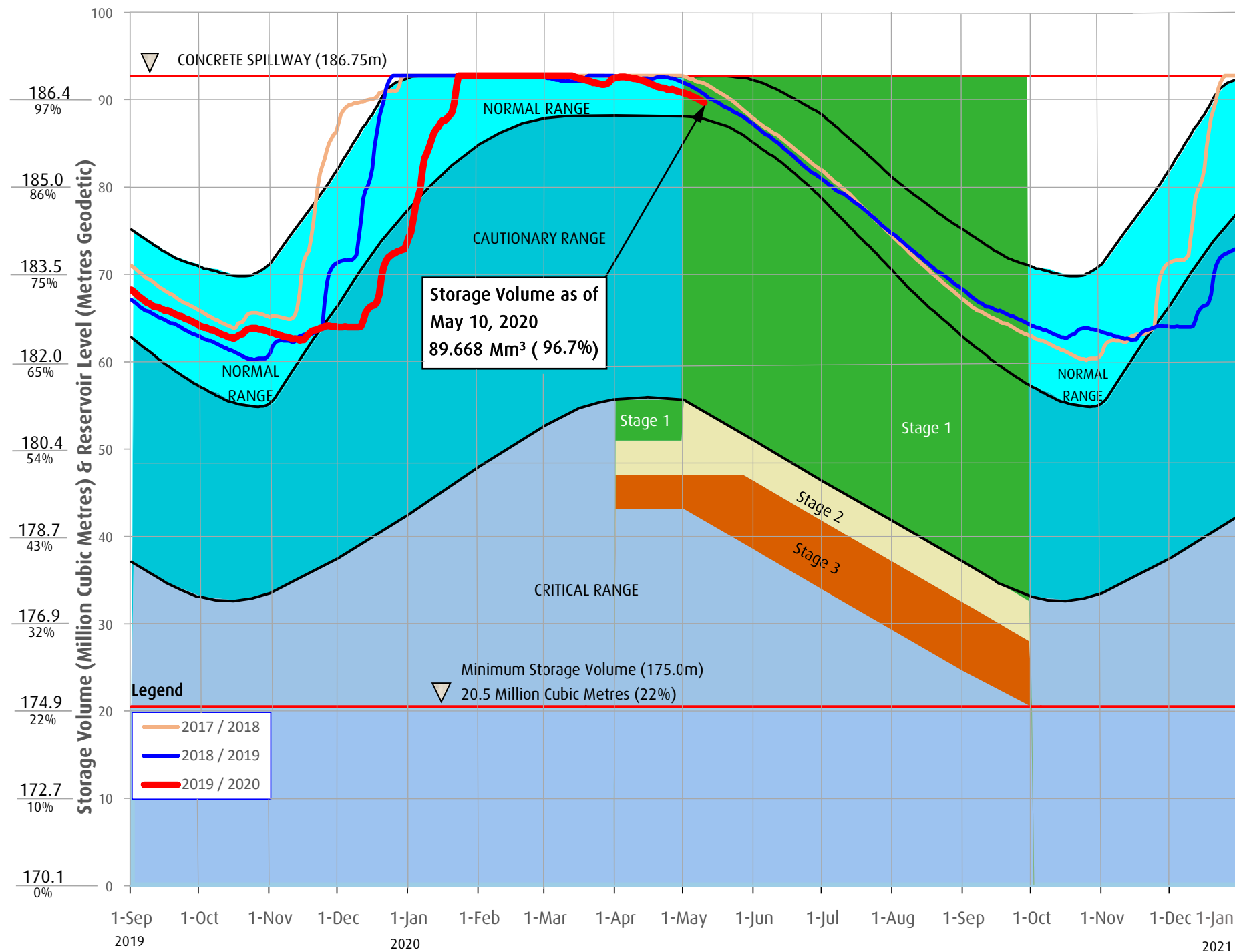
Water spilled at Sooke Reservoir to date (since Sept. 1) = 6.49 Billion Imperial Gallons
 = 29.50 Billion Litres

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
Making a difference...together



Useable Reservoir Volumes in Storage for May 10, 2020

