CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued July 11, 2022

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	July 31 5 Year Ave		July 31/21		July 10/22		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	75,224	16,549	72,138	15,870	87,050	19,151	93.9%
Goldstream	6,486	1,427	7,641	1,681	9,869	2,171	99.5%
Total	81,710	17,976	79,779	17,551	96,919	21,322	94.4%

2. Average Daily Demand:

For the month of July	171.5 MLD	37.73 MIGD
For week ending July 10, 2022	167.7 MLD	36.89 MIGD
Max. day July 2022, to date:	192.8 MLD	42.41 MIGD

3. Average 5 Year Daily Demand for July

Average (2017 - 2021)	204.3 MLD [1]	44.95 MIGD [2]

[1]MLD = Million Litres Per Day [2]MIGD = Million Imperial Gallons Per Day

4. Rainfall July:

Average (1914 - 2021):	22.3 mm
Actual Rainfall to Date	18.2 mm (82% of monthly average)

5. Rainfall: Sep 1- Jul 10

Average (1914 - 2021):	1,592.0 mm
2021 - 2022	2,028.6 mm (127% of average)

6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through September 30, 2022.
Visit our website at www.crd.bc.ca/water for scheduling information.

If you require further information, please contact:

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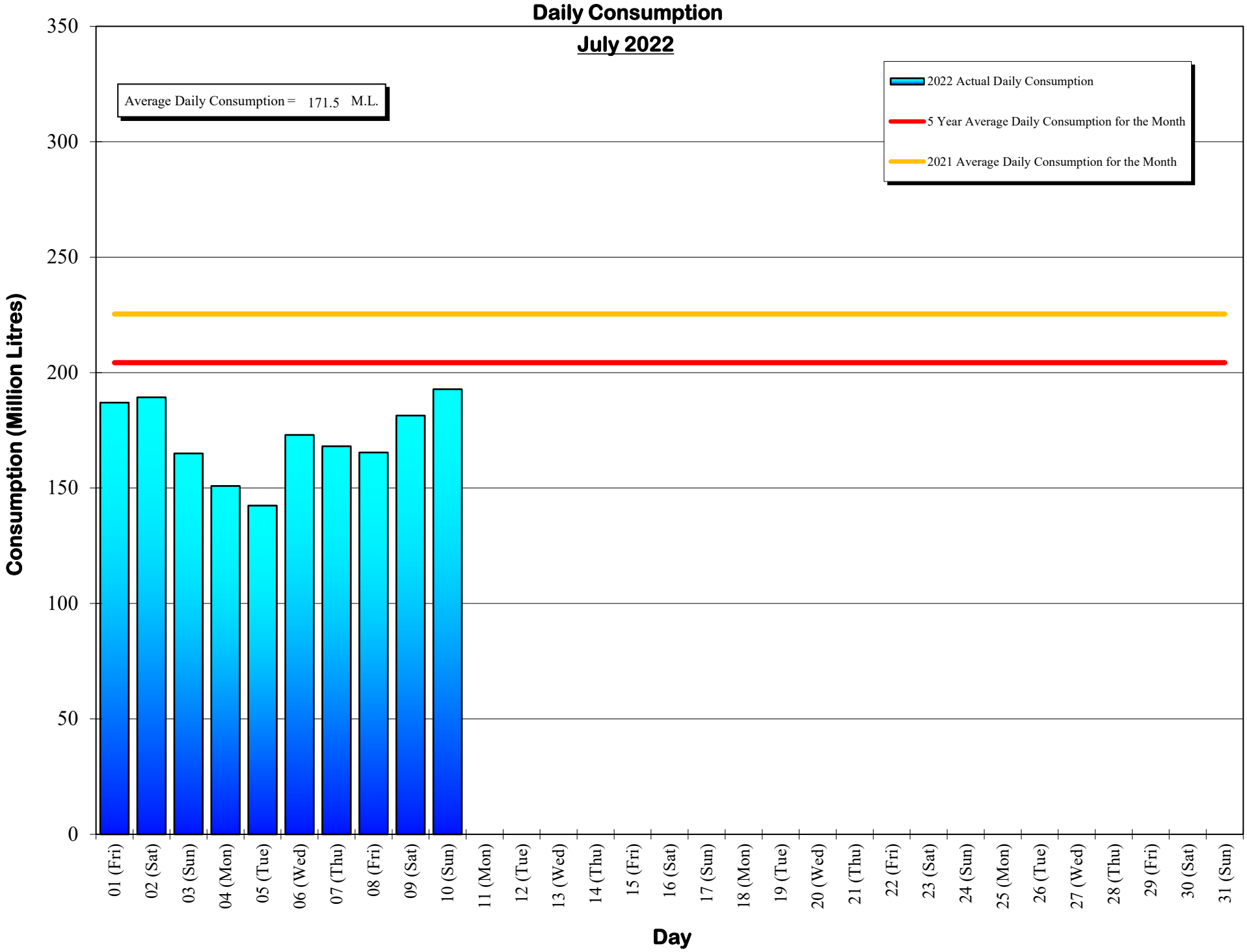

Daily Consumption
July 2022
Average Daily Consumption = 171.5 M.L.
2022 Actual Daily Consumption
5 Year Average Daily Consumption for the Month
2021 Average Daily Consumption for the Month
Consumption (Million Litres)
350
300
250
200
150
100
50
0
01 (Fri)
02 (Sat)
03 (Sun)
04 (Mon)
05 (Tue)
06 (Wed)
07 (Thu)
08 (Fri)
09 (Sat)
10 (Sun)
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)
Day

Daily Consumptions: - July 2022

Date	Total Consumption (ML) [1.]		(MIG) [2.]	Air Temperature @ Japan Gulch High (°C)	Low (°C)	Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am Rainfall (mm)	Snowfall [3.] (mm)	Total Precip.
01 (Fri)	187.0		41.1	24	12	Sunny	0.0	0.0	0.0
02 (Sat)	189.3		41.6	24	11	Sunny	0.0	0.0	0.0
03 (Sun)	165.0		36.3	14	12	Cloudy / Showers	11.7	0.0	11.7
04 (Mon)	150.9		33.2	17	12	Cloudy / Showers	4.0	0.0	4.0
05 (Tue)	142.4	<=Min	31.3	22	11	Cloudy / P. Sunny	0.0	0.0	0.0
06 (Wed)	173.0		38.1	23	14	Sunny / P. Cloudy / Showers	2.5	0.0	2.5
07 (Thu)	168.1		37.0	22	14	Sunny / P. Cloudy	0.0	0.0	0.0
08 (Fri)	165.4		36.4	23	13	Sunny / P. Cloudy	0.0	0.0	0.0
09 (Sat)	181.4		39.9	23	13	Sunny / P. Cloudy	0.0	0.0	0.0
10 (Sun)	192.8	<=Max	42.4	25	13	Sunny / P. Cloudy	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	1715.3 ML		377.33 MIG				18.2	0	18.2
MAX	192.8		42.41	25	14		11.7	0	11.7
AVG	**171.5**		37.73	21.7	12.5		1.8	0	1.8
MIN	142.4		31.32	14	11		0.0	0	0.0

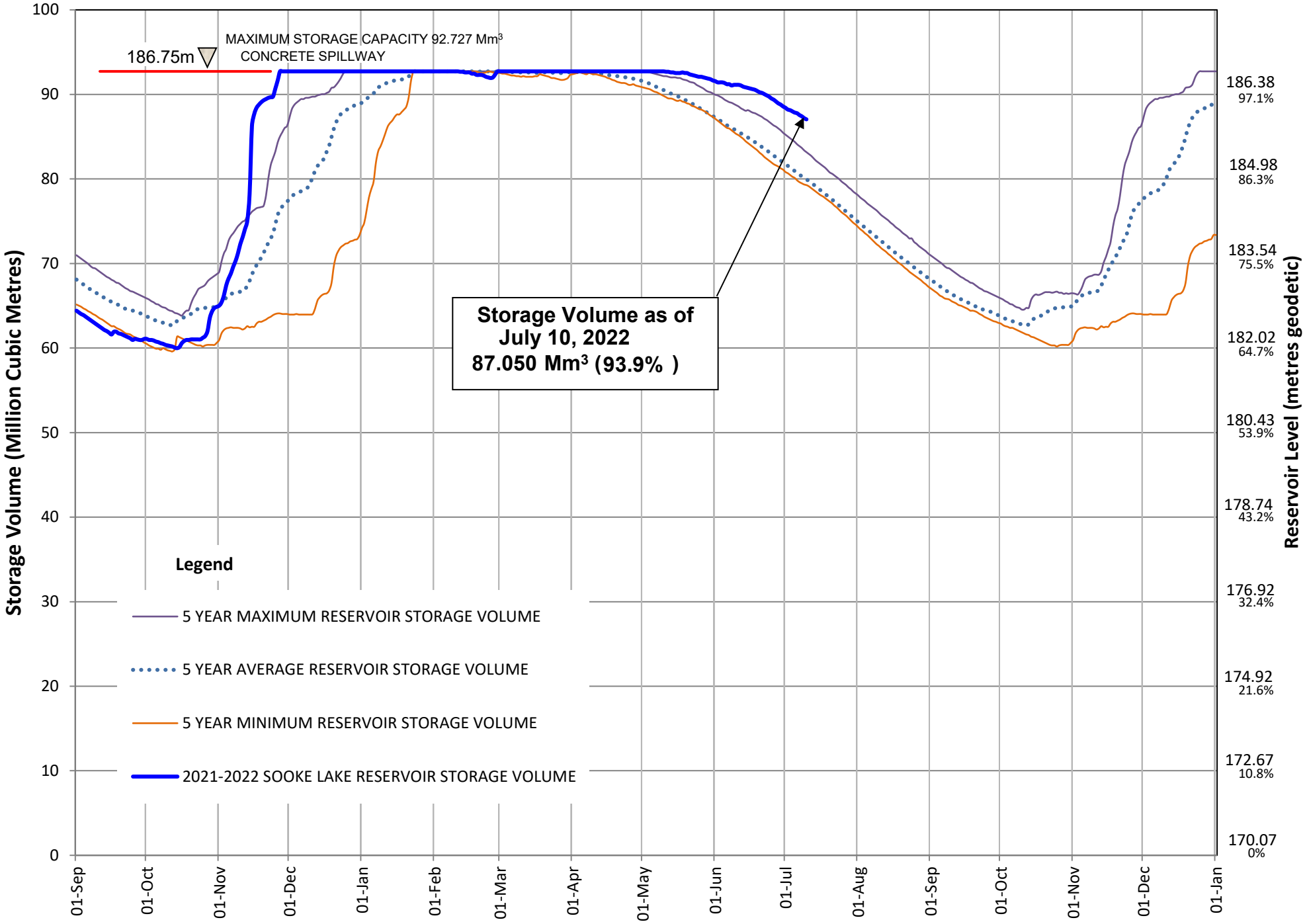
1. ML = Million Litres
2. MIG = Million Imperial Gallons
3. 10% of snow depth applied to rainfall figures for snow to water equivalent.

Average Rainfall for July (1914-2021)	22.3 mm
Actual Rainfall: July	18.2 mm
% of Average	82%
Average Rainfall (1914-2021): Sept 01 - Jul 10	1,592.0 mm
Actual Rainfall (2021): Sept 01 - Jul 10	2,028.6 mm
% of Average	127%

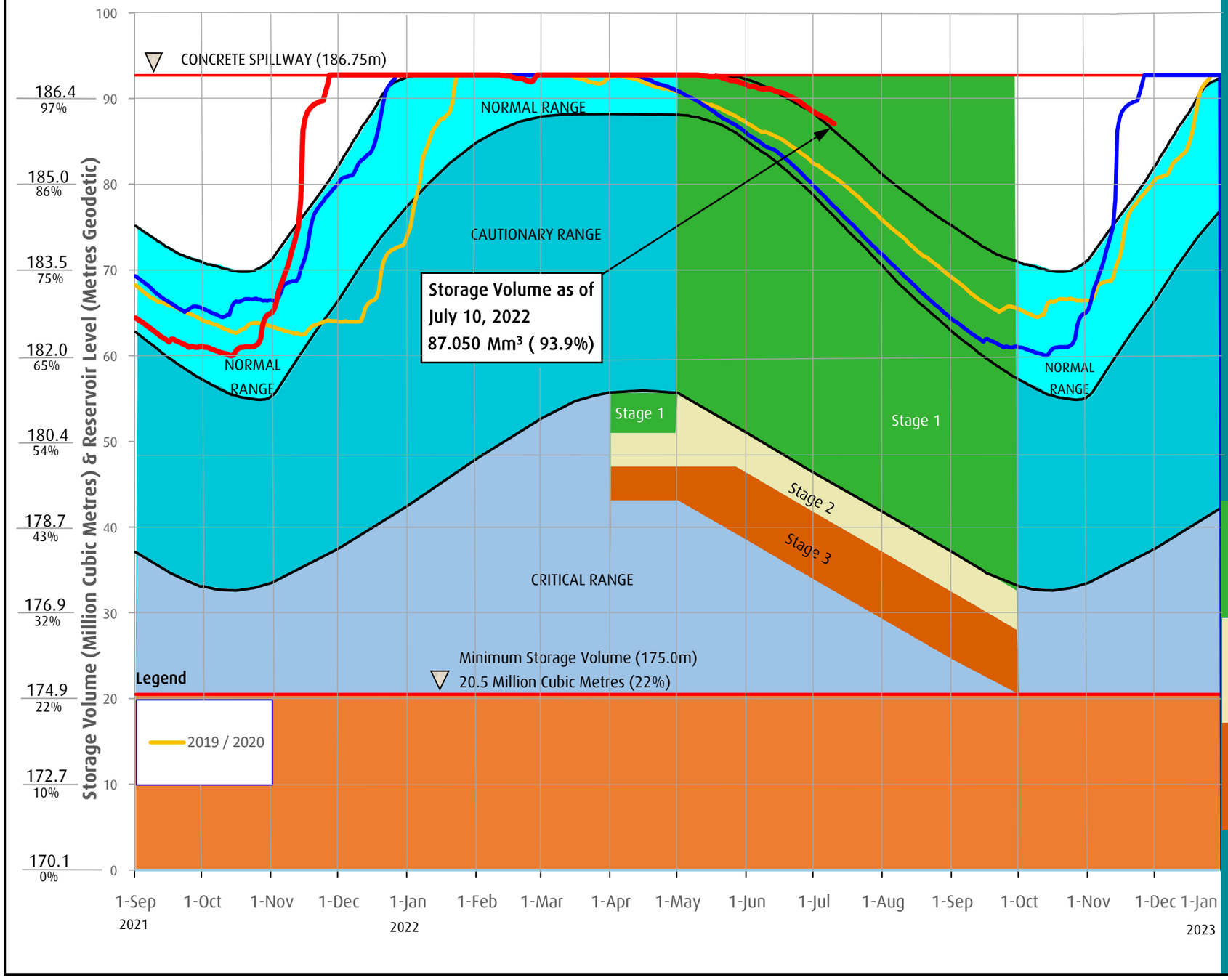
Number days with precip. 0.2 or more
3

Water spilled at Sooke Reservoir to date (since Sept. 1) = 12.54 Billion Imperial Gallons
= 57.00 Billion Litres

SOOKE LAKE RESERVOIR STORAGE SUMMARY
2021 / 2022



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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Capital Regional District Integrated Water Services

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Useable Reservoir Volumes in Storage for July 10, 2022