

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

Issued July 10, 2023

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

Reservoir	July 31 5 Year Ave		July 31/22		July 9/23		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	76,057	16,733	82,457	18,141	79,345	17,456	85.6%
Goldstream	6,887	1,515	9,479	2,085	8,922	1,963	90.0%
Total	82,945	18,248	91,936	20,226	88,267	19,419	86.0%

2. Average Daily Demand:

For the month of July	218.1 MLD	47.99 MIGD
For week ending July 09, 2023	219.6 MLD	48.31 MIGD
Max. day July 2023, to date:	249.9 MLD	54.97 MIGD

3. Average 5 Year Daily Demand for July

Average (2018 - 2022)	202.4 MLD ¹	44.52 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day**4. Rainfall July:**

Average (1914 - 2022):	22.3 mm
Actual Rainfall to Date	0.0 mm (0% of monthly average)

5. Rainfall: Sep 1- Jul 9

Average (1914 - 2022):	1,595.9 mm
2022/2023	1,021.8 mm (64% of average)

6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through September 30, 2023
Visit our website at www.crd.bc.ca/water for scheduling information.

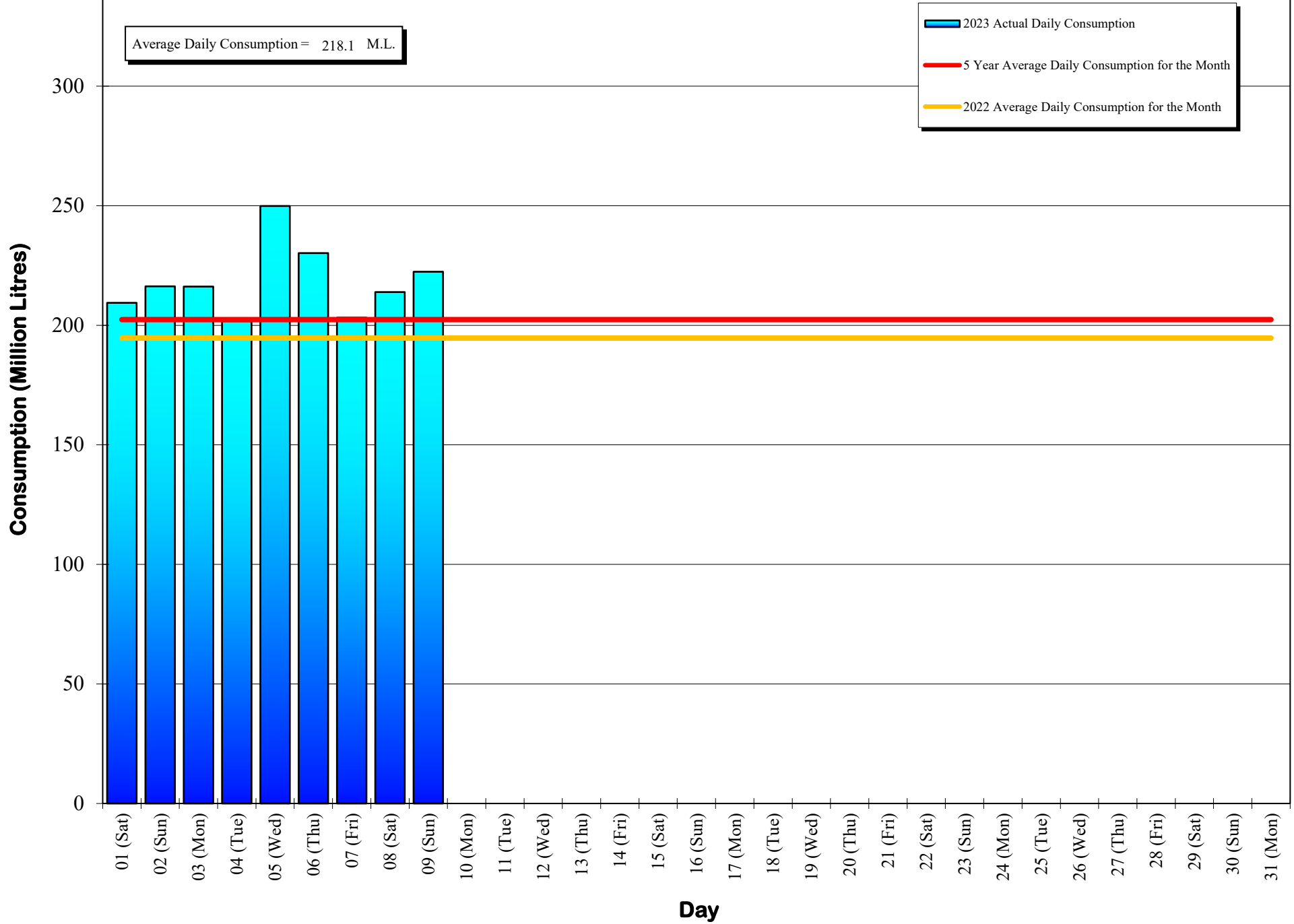
If you require further information, please contact:

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Daily Consumption

July 2023



Daily Consumptions: - July 2023

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)	209.4		46.1	23	12	Sunny	0.0	0.0	0.0
02 (Sun)	216.3		47.6	25	13	Sunny	0.0	0.0	0.0
03 (Mon)	216.2		47.6	28	11	Sunny	0.0	0.0	0.0
04 (Tue)	201.7	<=Min	44.4	31	14	Sunny / Hazy	0.0	0.0	0.0
05 (Wed)	249.9	<=Max	55.0	32	15	Sunny	0.0	0.0	0.0
06 (Thu)	230.2		50.6	30	16	Sunny	0.0	0.0	0.0
07 (Fri)	203.2		44.7	26	14	Sunny	0.0	0.0	0.0
08 (Sat)	213.9		47.1	24	12	Sunny	0.0	0.0	0.0
09 (Sun)	222.4		48.9	26	12	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)									
30 (Sun)									
31 (Mon)									
TOTAL	1963.2 ML	431.92 MIG					0.0	0	0.0
MAX	249.9	54.97	32	16			0.0	0	0.0
AVG	218.1	47.99	27.2	13.2			0.0	0	0.0
MIN	201.7	44.37	23	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.

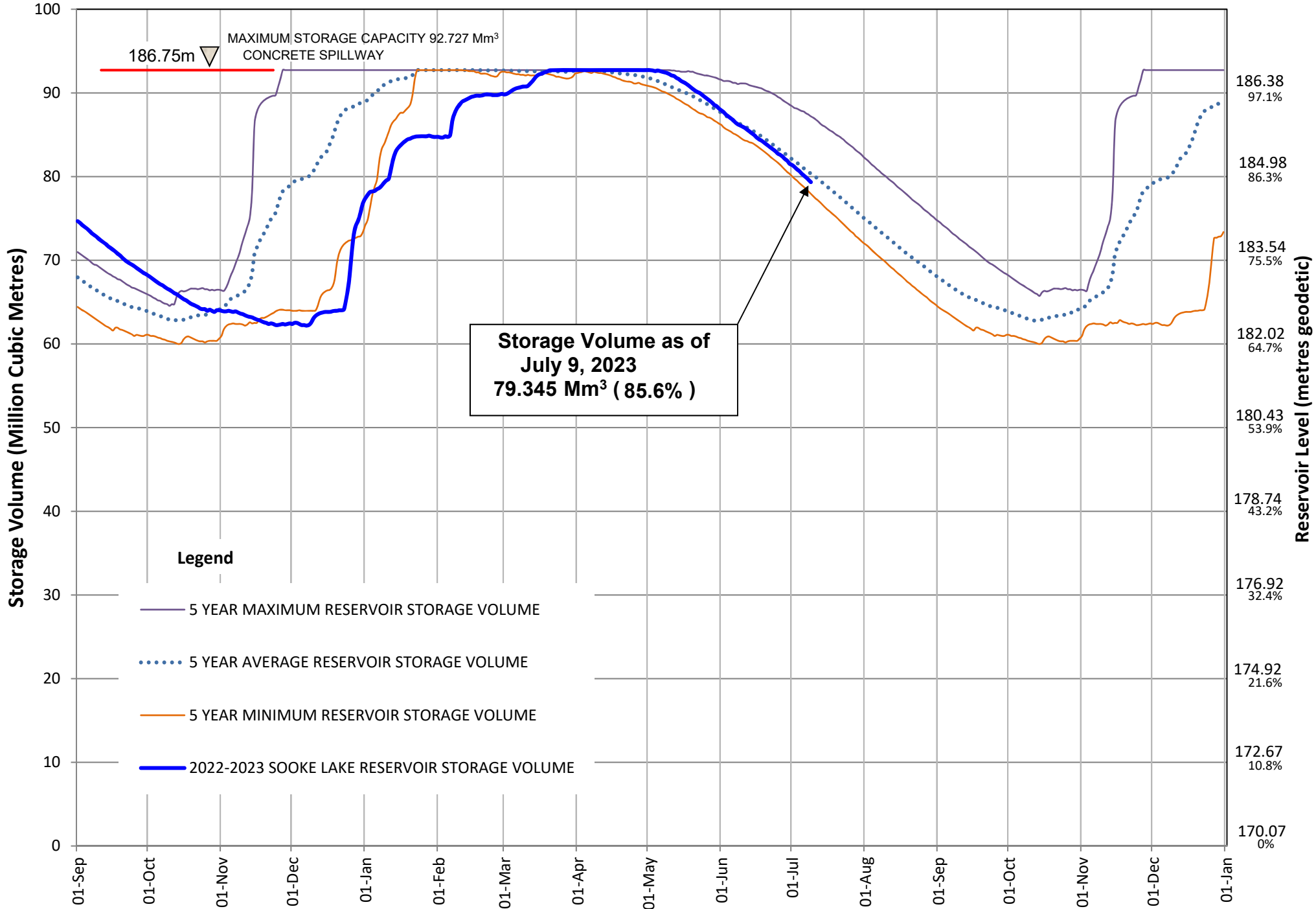
Average Rainfall for July (1914-2022)	22.3 mm
Actual Rainfall: July	0.0 mm
% of Average	0%
Average Rainfall (1914-2022): Sept 01 - Jul 09	1,595.9 mm
Actual Rainfall (2022/23): Sept 01 - Jul 09	1,021.8 mm
% of Average	64%

Number days with precip. 0.2 or more
0

Water spilled at Sooke Reservoir to date (since Sept. 1) = 0.99 Billion Imperial Gallons
 = 4.50 Billion Litres

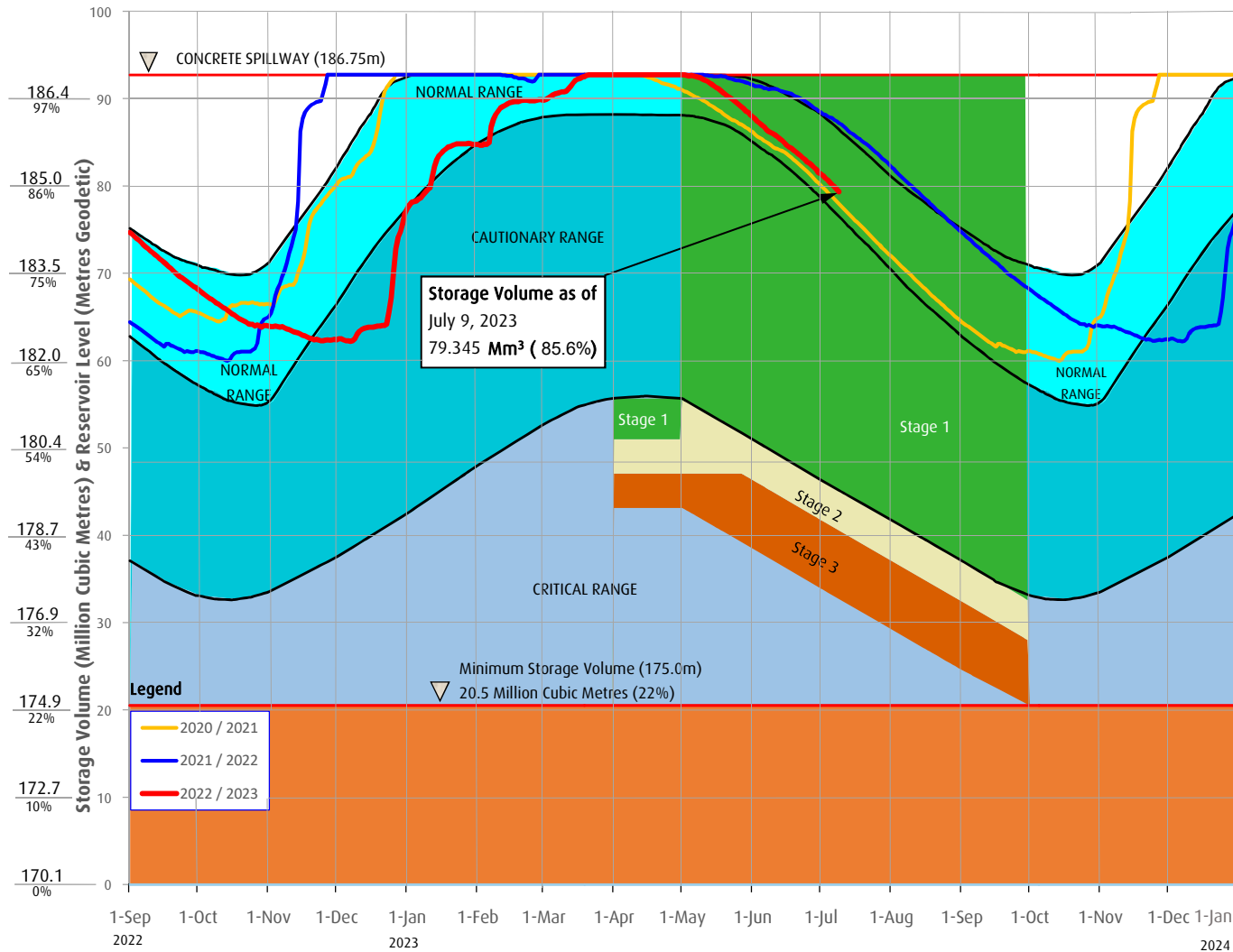
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2022 / 2023



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

Useable Reservoir Volumes in Storage for July 09, 2023

