

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued March 11, 2024

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	March 31 5 Year Ave		March 31/23		March 10/24		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,658	20,385	92,727	20,400	92,727	20,400	100.0%
Goldstream	8,487	1,867	9,825	2,162	9,907	2,179	99.9%
Total	101,145	22,252	102,552	22,561	102,634	22,579	100.0%

2. Average Daily Demand:

For the month of March	104.0 MLD	22.87 MIGD
For week ending March 10, 2024	104.3 MLD	22.95 MIGD
Max. day March 2024, to date:	107.5 MLD	23.64 MIGD

3. Average 5 Year Daily Demand for March

Average (2019 - 2023)	103.3 MLD ¹	22.73 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall March:

Average (1914 - 2023):	159.4 mm
Actual Rainfall to Date	54.8 mm (34% of monthly average)

5. Rainfall: Sep 1- Mar 10

Average (1914 - 2023):	1,308.1 mm
2023/2024	1,124.4 mm (86% of average)

6. Water Conservation Action Required:

To avoid possible leaks this spring, now is the time to winterize your sprinkler system.
Visit our website at www.crd.bc.ca/water for more information.

If you require further information, please contact:

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or
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Senior Manager - Environmental Protection

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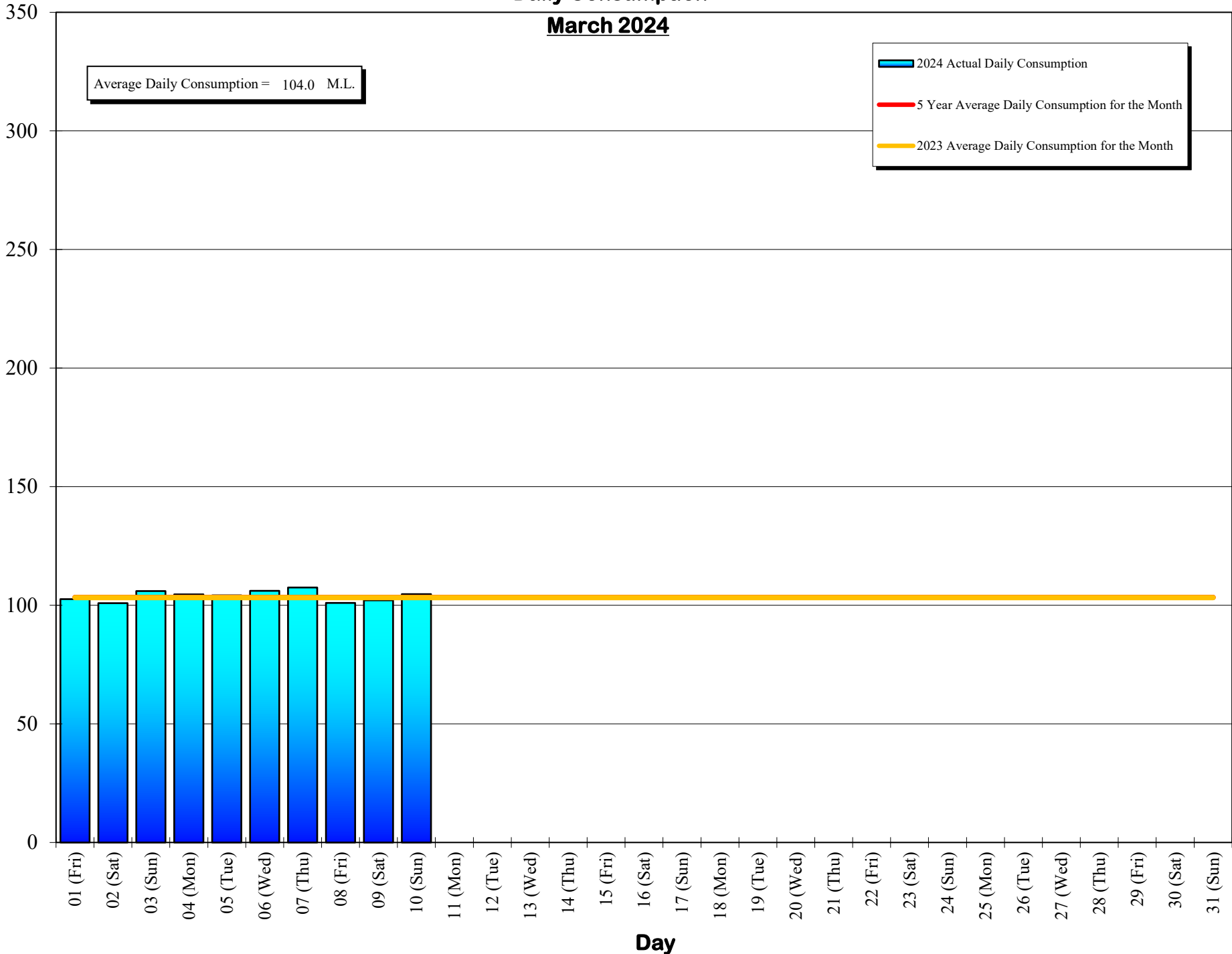
Daily Consumption

March 2024

Average Daily Consumption = 104.0 M.L.

- 2024 Actual Daily Consumption
- 5 Year Average Daily Consumption for the Month
- 2023 Average Daily Consumption for the Month

Consumption (Million Litres)



Daily Consumptions: - March 2024

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)	102.6		22.6	4	1	Cloudy / Showers	2.8	0.0	2.8
02 (Sat)	100.9	<=Min	22.2	5	0	Cloudy / Showers	4.3	0.0	4.3
03 (Sun)	106.0		23.3	7	0	Cloudy / Showers	8.1	0.0	8.1
04 (Mon)	104.6		23.0	4	0	Cloudy / Showers / Sleet	11.9	5.1	12.4
05 (Tue)	104.2		22.9	5	-1	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Wed)	106.1		23.3	3	0	Sunny / P. Cloudy	0.0	0.0	0.0
07 (Thu)	107.5	<=Max	23.6	6	-1	Cloudy	0.0	0.0	0.0
08 (Fri)	101.0		22.2	6	2	Cloudy / Showers	12.2	0.0	12.2
09 (Sat)	102.1		22.5	10	3	Cloudy / Showers	7.4	0.0	7.4
10 (Sun)	104.7		23.0	10	4	Cloudy / P. Sunny / Showers	7.6	0.0	7.6
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	1039.7 ML	228.72 MIG					54.3	5	54.8
MAX	107.5	23.64	10	4			12.2	5	12.4
AVG	104.0	22.87	6.0	0.8			5.4	1	5.5
MIN	100.9	22.20	3	-1			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.

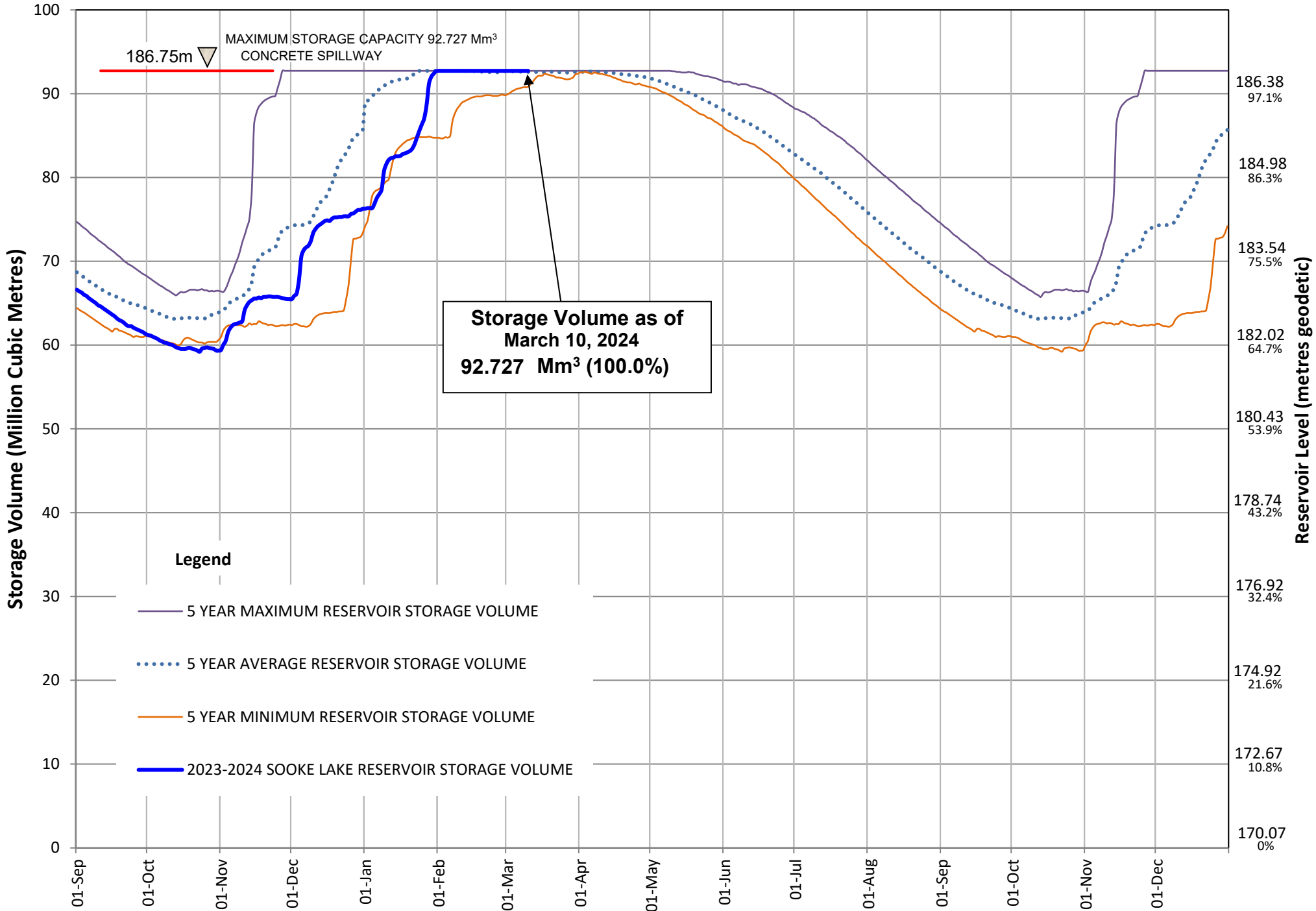
Average Rainfall for March (1914-2023)	159.4 mm
Actual Rainfall: March	54.8 mm
% of Average	34%
Average Rainfall (1914-2023): Sept 01 - Mar 10	1,308.1 mm
Actual Rainfall (2023/24): Sept 01 - Mar 10	1,124.4 mm
% of Average	86%

Number days with precip. 0.2 or more
7

Water spilled at Sooke Reservoir to date (since Sept. 1) = 1.64 Billion Imperial Gallons
 = 7.50 Billion Litres

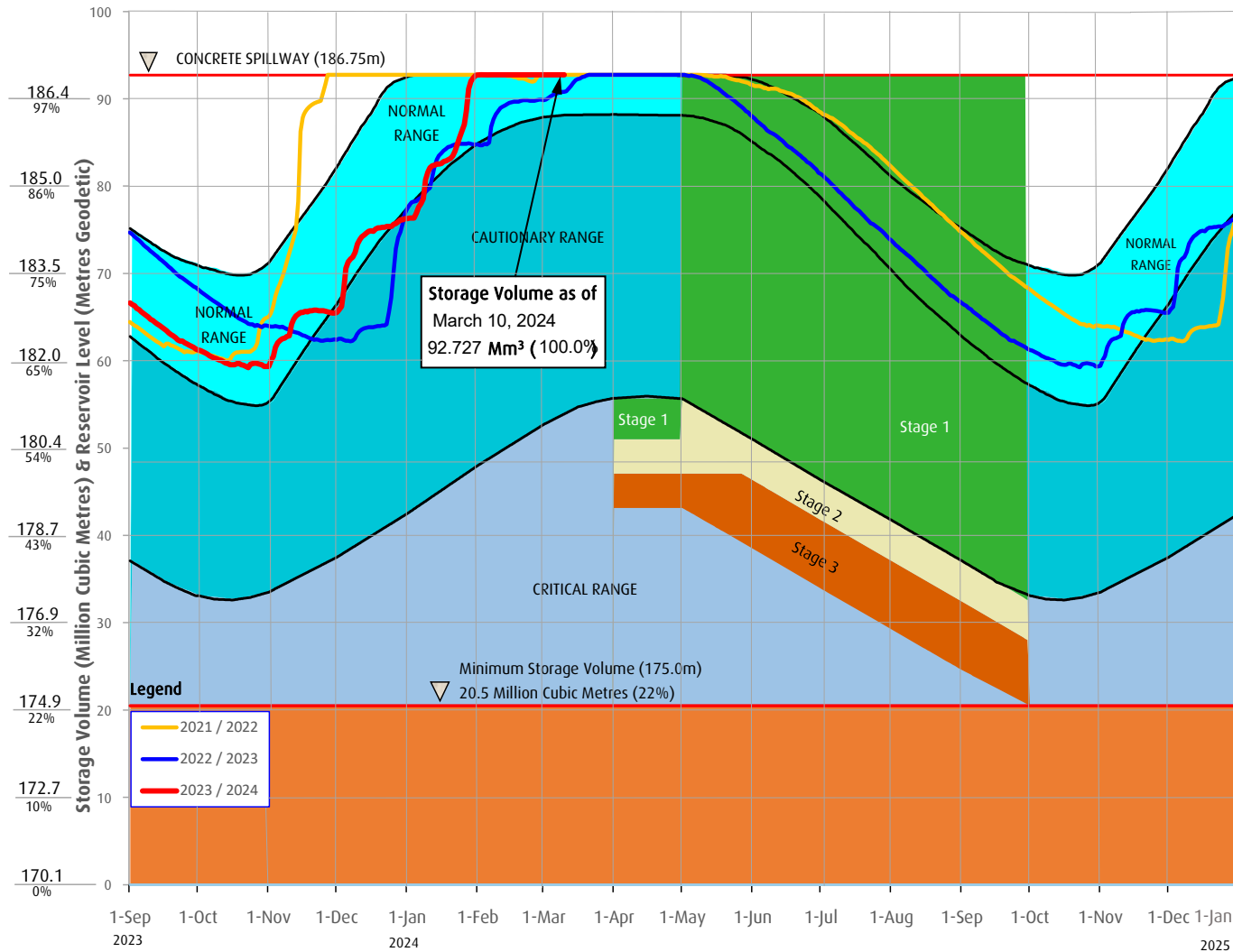
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2023 / 2024



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 March 10, 2024

