

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

Issued January 08, 2024

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

Reservoir	January 31 5 Year Ave		January 31/23		January 7/24		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	91,130	20,049	84,744	18,644	78,012	17,163	84.1%
Goldstream	8,533	1,877	9,825	2,162	9,750	2,145	98.3%
Total	99,663	21,926	94,569	20,805	87,762	19,308	85.5%

**2. Average Daily Demand:**

For the month of January	99.0 MLD	21.77 MIGD
For week ending January 07, 2024	99.0 MLD	21.78 MIGD
Max. day January 2024, to date:	101.6 MLD	22.35 MIGD

**3. Average 5 Year Daily Demand for January**

Average (2019 - 2023)	101.4 MLD <sup>1</sup>	22.32 MIGD <sup>2</sup>
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<sup>1</sup>MLD = Million Litres Per Day      <sup>2</sup>MIGD = Million Imperial Gallons Per Day**4. Rainfall January:**

Average (1914 - 2023):	272.8 mm
Actual Rainfall to Date	46.6 mm (17% of monthly average)

**5. Rainfall: Sep 1- Jan 7**

Average (1914 - 2023):	855.6 mm
2023/2024	685.1 mm (80% 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](http://www.crd.bc.ca/water) for more information.

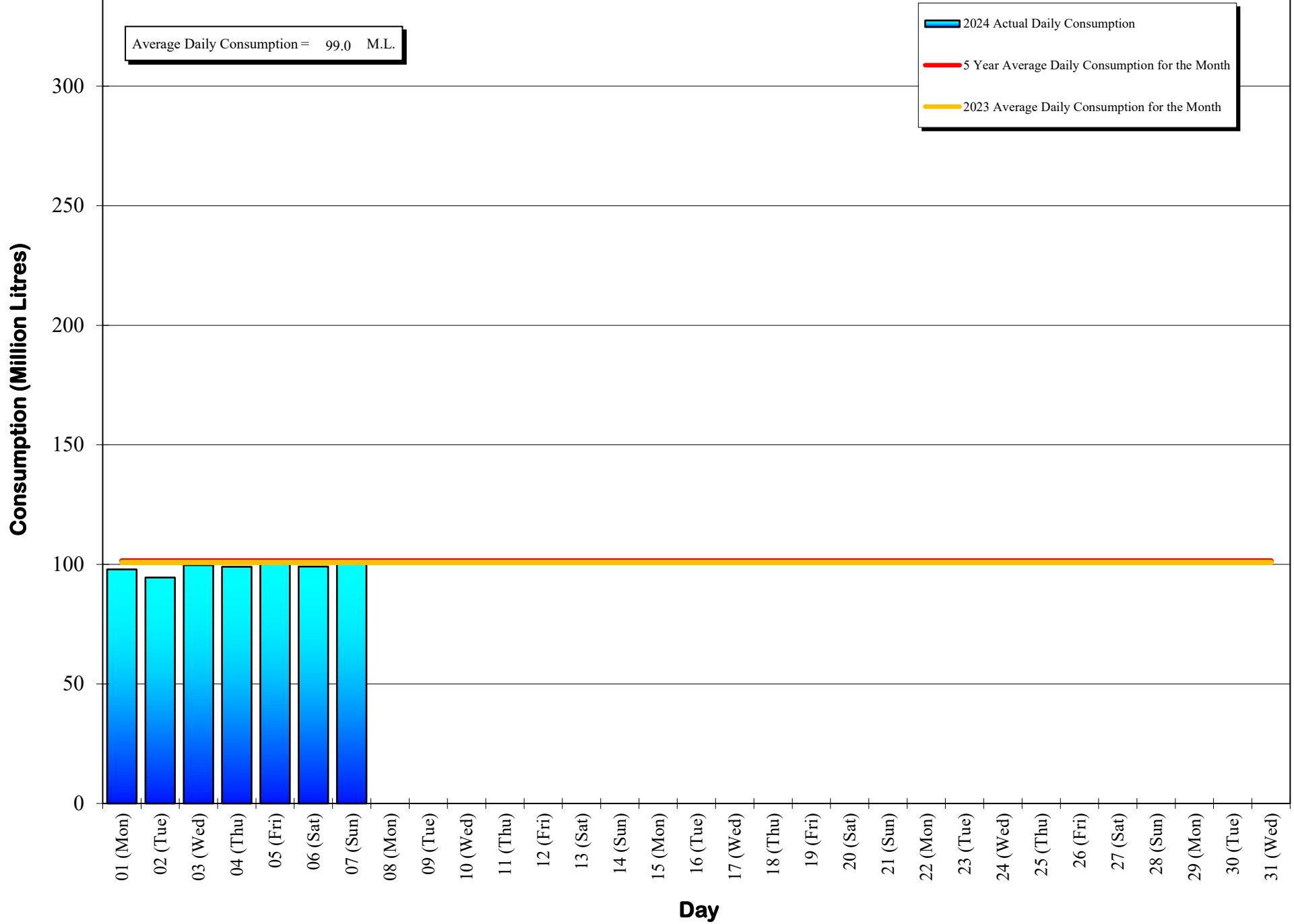
If you require further information, please contact:

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# Daily Consumption

## January 2024



## Daily Consumptions: - January 2024

Date	Total Consumption		Air Temperature @ Japan Gulch		Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am			
	(ML) <sup>1</sup>	(MIG) <sup>2</sup>	High (°C)	Low (°C)		Rainfall (mm)	Snowfall <sup>3</sup> (mm)	Total Precip.	
01 (Mon)	97.9		21.5	7	4	Cloudy / P. Sunny	0.0	0.0	0.0
02 (Tue)	94.5	<=Min	20.8	7	4	Cloudy / Showers	1.5	0.0	1.5
03 (Wed)	99.7		21.9	8	5	Cloudy / Showers	0.5	0.0	0.5
04 (Thu)	99.0		21.8	8	4	Sunny / P. Cloudy / Showers	3.5	0.0	3.5
05 (Fri)	101.0		22.2	7	3	Cloudy / Rain	38.6	0.0	38.6
06 (Sat)	99.1		21.8	5	0	Sunny / P. Cloudy / Showers	2.5	0.0	2.5
07 (Sun)	101.6	<=Max	22.3	4	0	Cloudy / P. Sunny	0.0	0.0	0.0
08 (Mon)									
09 (Tue)									
10 (Wed)									
11 (Thu)									
12 (Fri)									
13 (Sat)									
14 (Sun)									
15 (Mon)									
16 (Tue)									
17 (Wed)									
18 (Thu)									
19 (Fri)									
20 (Sat)									
21 (Sun)									
22 (Mon)									
23 (Tue)									
24 (Wed)									
25 (Thu)									
26 (Fri)									
27 (Sat)									
28 (Sun)									
29 (Mon)									
30 (Tue)									
31 (Wed)									
<b>TOTAL</b>	692.8 ML	152.41 MIG					46.6	0	46.6
<b>MAX</b>	101.6	22.35	8	5			38.6	0	38.6
<b>AVG</b>	99.0	21.77	6.6	2.9			6.7	0	6.7
<b>MIN</b>	94.5	20.78	4	0			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.

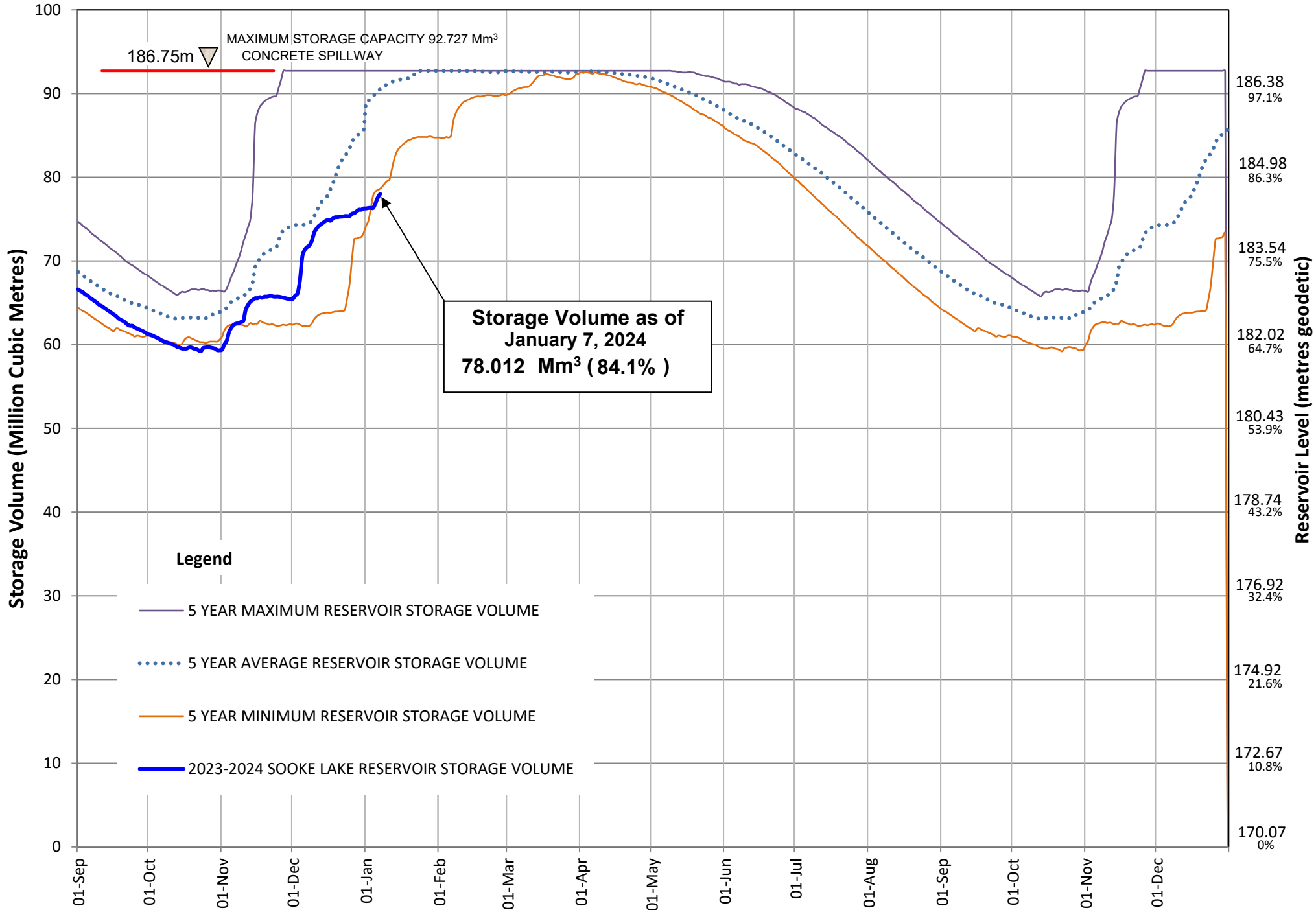
Average Rainfall for January (1914-2023)	272.8 mm
Actual Rainfall: January	46.6 mm
% of Average	17%
Average Rainfall (1914-2023): Sept 01 - Jan 07	855.6 mm
Actual Rainfall (2023/24): Sept 01 - Jan 07	685.1 mm
% of Average	80%

Number days with precip. 0.2 or more
5

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

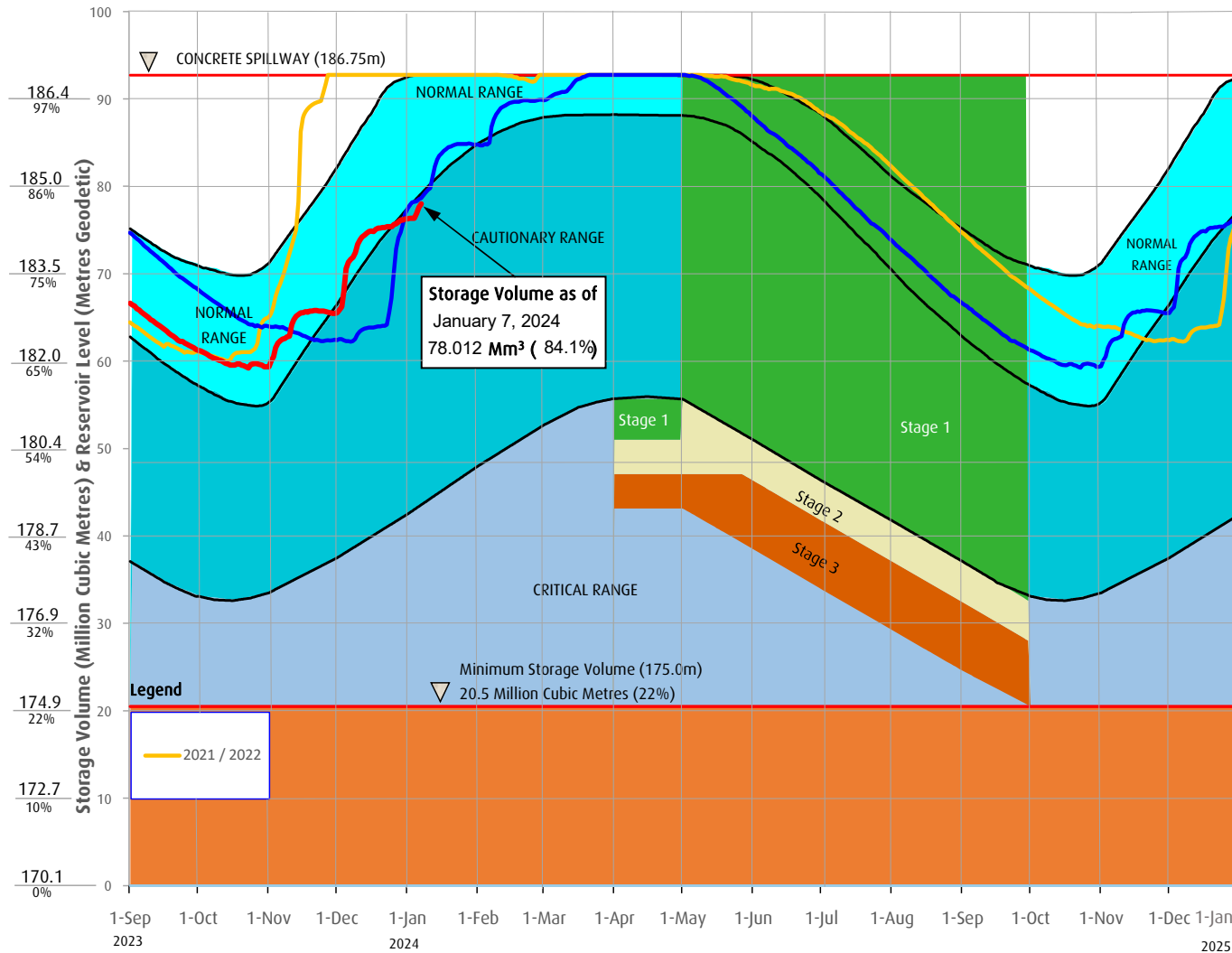
# SOOKE LAKE RESERVOIR STORAGE SUMMARY

## 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](http://www.crd.bc.ca/drinkingwater)

# Useable Reservoir Volumes in Storage for January 07, 2024

