

## CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

### Water Watch

Issued May 06, 2024

#### Water Supply System Summary:

##### 1. Useable Volume in Storage:

Reservoir	May 31 5 Year Ave		May 31/23		May 5/24		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	88,158	19,395	88,138	19,390	90,839	19,984	98.0%
Goldstream	8,340	1,835	9,612	2,115	9,905	2,179	99.9%
Total	96,498	21,230	97,750	21,505	100,743	22,164	98.2%

##### 2. Average Daily Demand:

For the month of May	132.0 MLD	29.05 MIGD
For week ending May 05, 2024	128.7 MLD	28.31 MIGD
Max. day May 2024, to date:	140.1 MLD	30.82 MIGD

##### 3. Average 5 Year Daily Demand for May

Average (2019 - 2023)	147.9 MLD <sup>1</sup>	32.54 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 May:

Average (1914 - 2023):	47.4 mm
Actual Rainfall to Date	1.6 mm (3% of monthly average)

##### 5. Rainfall: Sep 1- May 5

Average (1914 - 2023):	1,511.8 mm
2023/2024	1,258.5 mm (83% of average)

##### 6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through September 30, 2024  
Visit our website at [www.crd.bc.ca/water](http://www.crd.bc.ca/water) for more information.

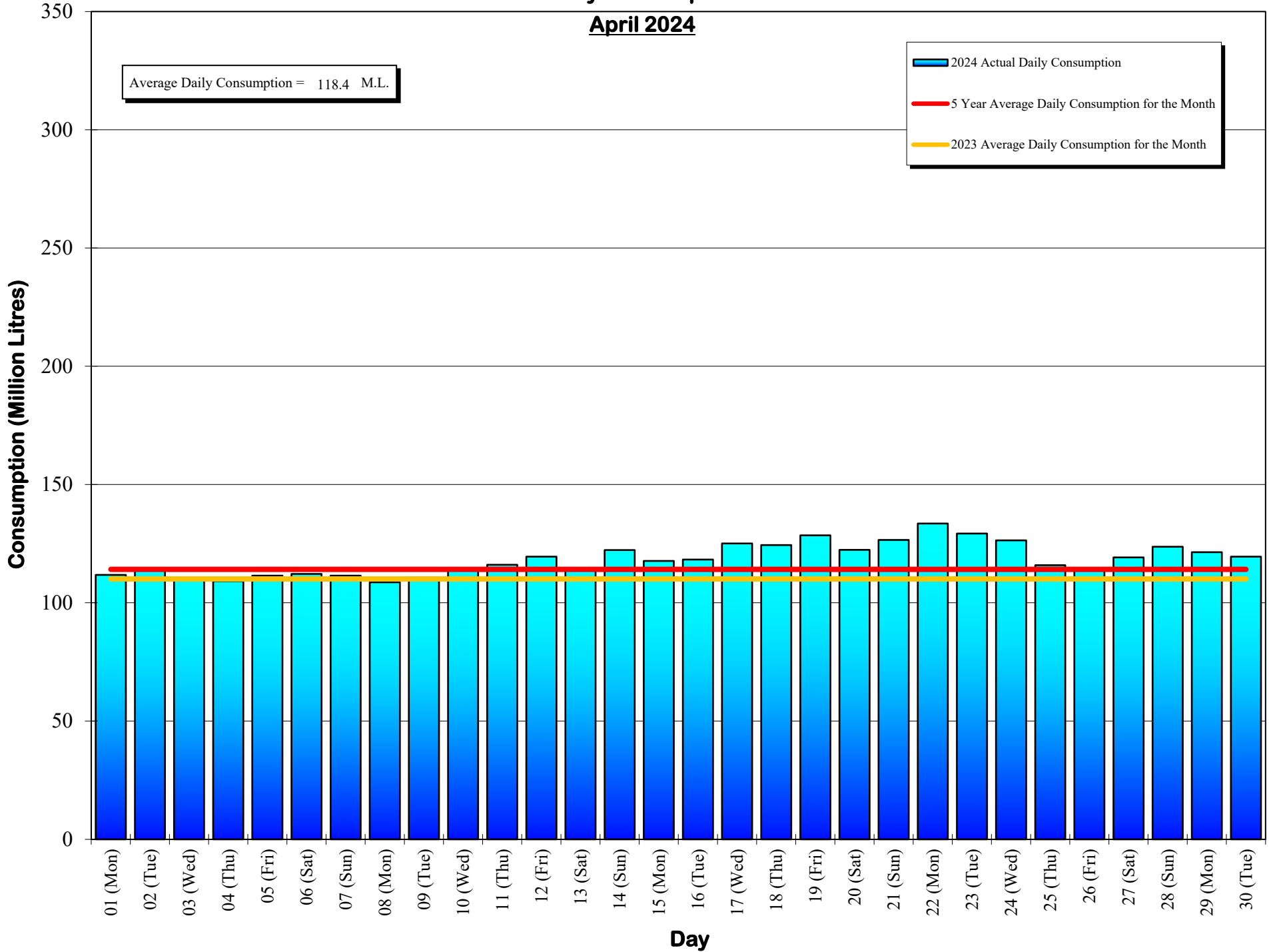
If you require further information, please contact:

Alicia Fraser, P. Eng.  
General Manager, CRD - Integrated Water Services  
or  
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Senior Manager - Environmental Protection

Capital Regional District Integrated Water Services  
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Victoria, BC V9B 1H7  
(250) 474-9600

# Daily Consumption

April 2024



Average Daily Consumption = 118.4 M.L.

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

## Daily Consumptions: - April 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)	111.8	24.6	17	6	Sunny / P. Cloudy	0.0	0.0	0.0
02 (Tue)	114.5	25.2	17	5	Cloudy / Showers	2.3	0.0	2.3
03 (Wed)	110.5	24.3	9	2	Cloudy / Showers	1.3	0.0	1.3
04 (Thu)	109.2	24.0	11	1	P. Sunny / P. Cloudy	0.0	0.0	0.0
05 (Fri)	111.5	24.5	13	4	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Sat)	112.2	24.7	10	4	Cloudy	0.0	0.0	0.0
07 (Sun)	111.5	24.5	11	5	Cloudy / Showers	0.5	0.0	0.5
08 (Mon)	108.7	<=Min	10	5	Cloudy / Rain	29.2	0.0	29.2
09 (Tue)	110.8	24.4	14	4	Sunny / P. Cloudy / Showers	0.5	0.0	0.5
10 (Wed)	114.1	25.1	14	3	Sunny / P. Cloudy	0.0	0.0	0.0
11 (Thu)	116.1	25.5	10	5	Cloudy / Showers	4.1	0.0	4.1
12 (Fri)	119.5	26.3	13	4	Cloudy / P. Sunny	0.0	0.0	0.0
13 (Sat)	114.1	25.1	17	2	Sunny / P. Cloudy	0.0	0.0	0.0
14 (Sun)	122.3	26.9	18	4	Sunny / P. Cloudy	0.0	0.0	0.0
15 (Mon)	117.7	25.9	11	2	Sunny	0.0	0.0	0.0
16 (Tue)	118.3	26.0	13	1	Sunny / P. Cloudy	0.0	0.0	0.0
17 (Wed)	125.1	27.5	15	1	Sunny / P. Cloudy	0.0	0.0	0.0
18 (Thu)	124.4	27.4	16	1	Sunny	0.0	0.0	0.0
19 (Fri)	128.5	28.3	17	4	Sunny / P. Cloudy	0.0	0.0	0.0
20 (Sat)	122.4	26.9	19	4	Sunny / P. Cloudy / Showers	0.8	0.0	0.8
21 (Sun)	126.6	27.9	13	4	Cloudy / P. Sunny / Showers	6.9	0.0	6.9
22 (Mon)	133.5	<=Max	15	2	Sunny / P. Cloudy	0.0	0.0	0.0
23 (Tue)	129.3	28.4	19	3	Sunny / P. Cloudy	0.0	0.0	0.0
24 (Wed)	126.4	27.8	13	7	Cloudy / P. Sunny / Showers	1.3	0.0	1.3
25 (Thu)	115.9	25.5	11	7	Cloudy / Showers	11.9	0.0	11.9
26 (Fri)	113.6	25.0	13	8	Cloudy / Showers	4.3	0.0	4.3
27 (Sat)	119.2	26.2	11	7	Cloudy / Showers	4.1	0.0	4.1
28 (Sun)	123.7	27.2	9	3	Cloudy / P. Sunny / Showers	6.6	0.0	6.6
29 (Mon)	121.4	26.7	13	2	Sunny / P. Cloudy	0.0	0.0	0.0
30 (Tue)	119.5	26.3	13	4	Sunny / P. Cloudy / Showers	0.8	0.0	0.8
<b>TOTAL</b>	<b>3552.3 ML</b>	<b>781.51 MIG</b>				<b>74.6</b>	<b>0</b>	<b>74.6</b>
<b>MAX</b>	<b>133.5</b>	<b>29.38</b>	<b>19</b>	<b>8</b>		<b>29.2</b>	<b>0</b>	<b>29.2</b>
<b>AVG</b>	<b>118.4</b>	<b>26.05</b>	<b>13.5</b>	<b>3.8</b>		<b>2.5</b>	<b>0</b>	<b>2.5</b>
<b>MIN</b>	<b>108.7</b>	<b>23.92</b>	<b>9</b>	<b>1</b>		<b>0.0</b>	<b>0</b>	<b>0.0</b>

1. ML = Million Litres

2. MIG = Million Imperial Gallons

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

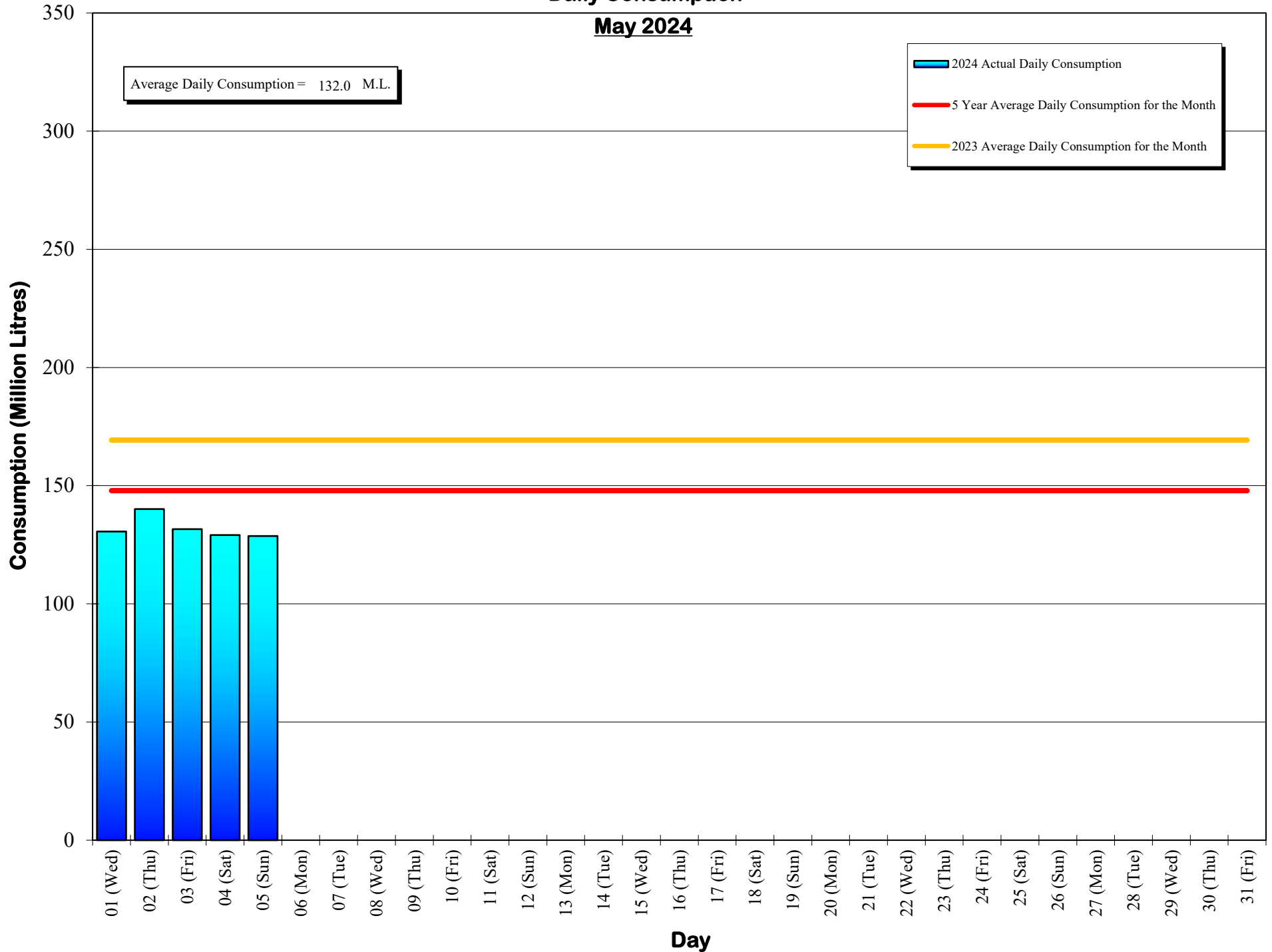
Average Rainfall for April (1914-2023)	89.7 mm
Actual Rainfall: April	74.6 mm
% of Average	83%
Average Rainfall (1914-2023): Sept 01 - May 05	1,511.8 mm
Actual Rainfall (2023/24): Sept 01 - May 05	1,258.5 mm
% of Average	83%

Number days with precip. 0.2 or more
<b>14</b>

Water spilled at Sooke Reservoir to date (since Sept. 1) = 2.46 Billion Imperial Gallons  
 = 11.20 Billion Litres

# Daily Consumption

May 2024



## Daily Consumptions: - May 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 (Wed)	130.6		28.7	15	3	Sunny / P. Cloudy	0.0	0.0	0.0
02 (Thu)	140.1	<=Max	30.8	18	3	Sunny / P. Cloudy	0.0	0.0	0.0
03 (Fri)	131.6		29.0	18	4	Cloudy / P. Sunny	0.0	0.0	0.0
04 (Sat)	129.1		28.4	18	9	Cloudy / Showers	0.3	0.0	0.3
05 (Sun)	128.7	<=Min	28.3	12	7	Cloudy / Showers	1.3	0.0	1.3
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23 (Thu)									
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25 (Sat)									
26 (Sun)									
27 (Mon)									
28 (Tue)									
29 (Wed)									
30 (Thu)									
31 (Fri)									
<b>TOTAL</b>	660.1 ML	145.24 MIG					1.6	0	1.6
<b>MAX</b>	140.1	30.82	18	9			1.3	0	1.3
<b>AVG</b>	132.0	29.05	16.2	5.2			0.3	0	0.3
<b>MIN</b>	128.7	28.31	12	3			0.0	0	0.0

1. ML = Million Litres

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

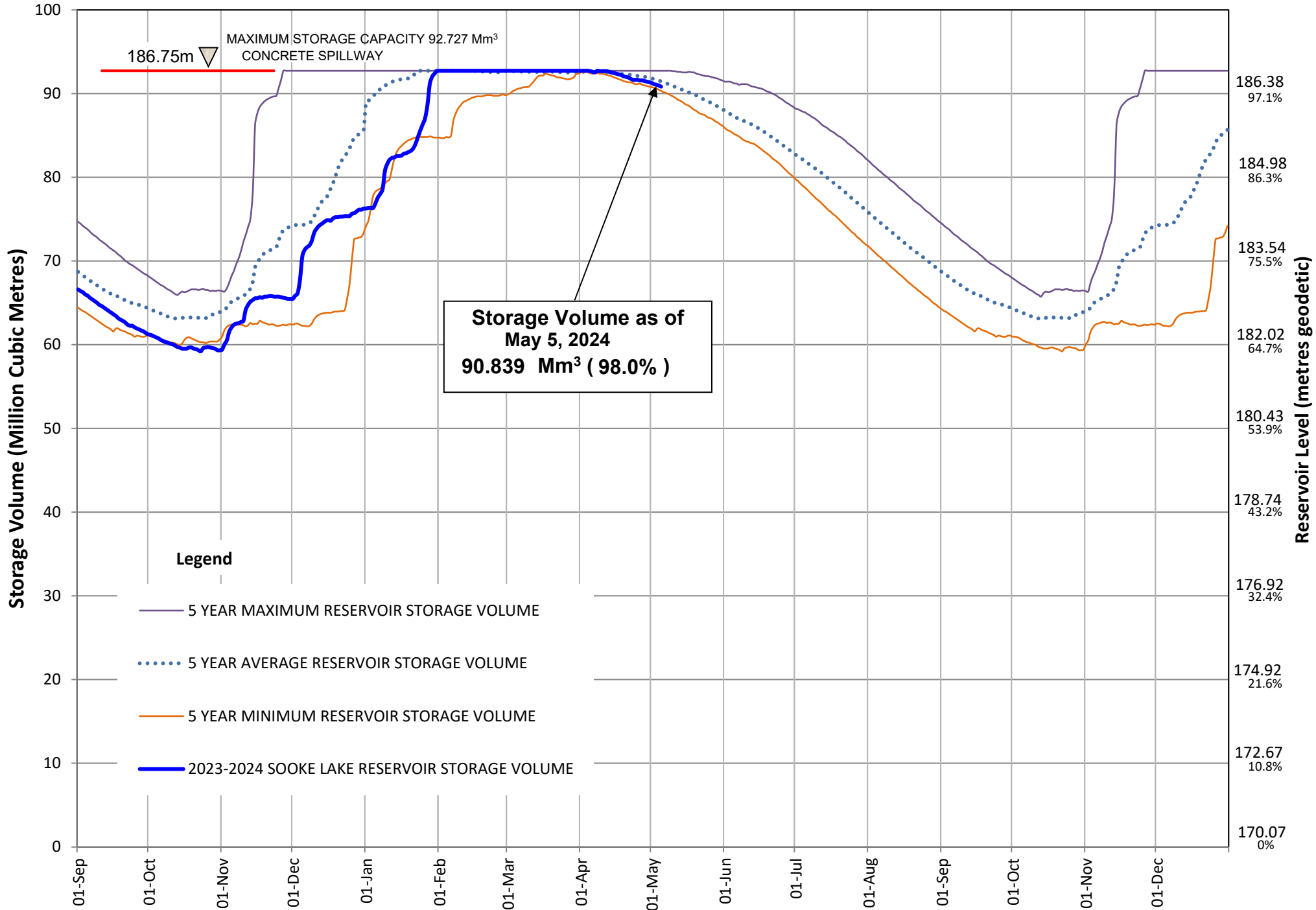
Average Rainfall for May (1914-2023)	47.4 mm
Actual Rainfall: May	1.6 mm
% of Average	3%
Average Rainfall (1914-2023): Sept 01 - May 05	1,511.8 mm
Actual Rainfall (2023/24): Sept 01 - May 05	1,258.5 mm
% of Average	83%

Number days with precip. 0.2 or more
2

Water spilled at Sooke Reservoir to date (since Sept. 1) = 2.46 Billion Imperial Gallons  
 = 11.20 Billion Litres

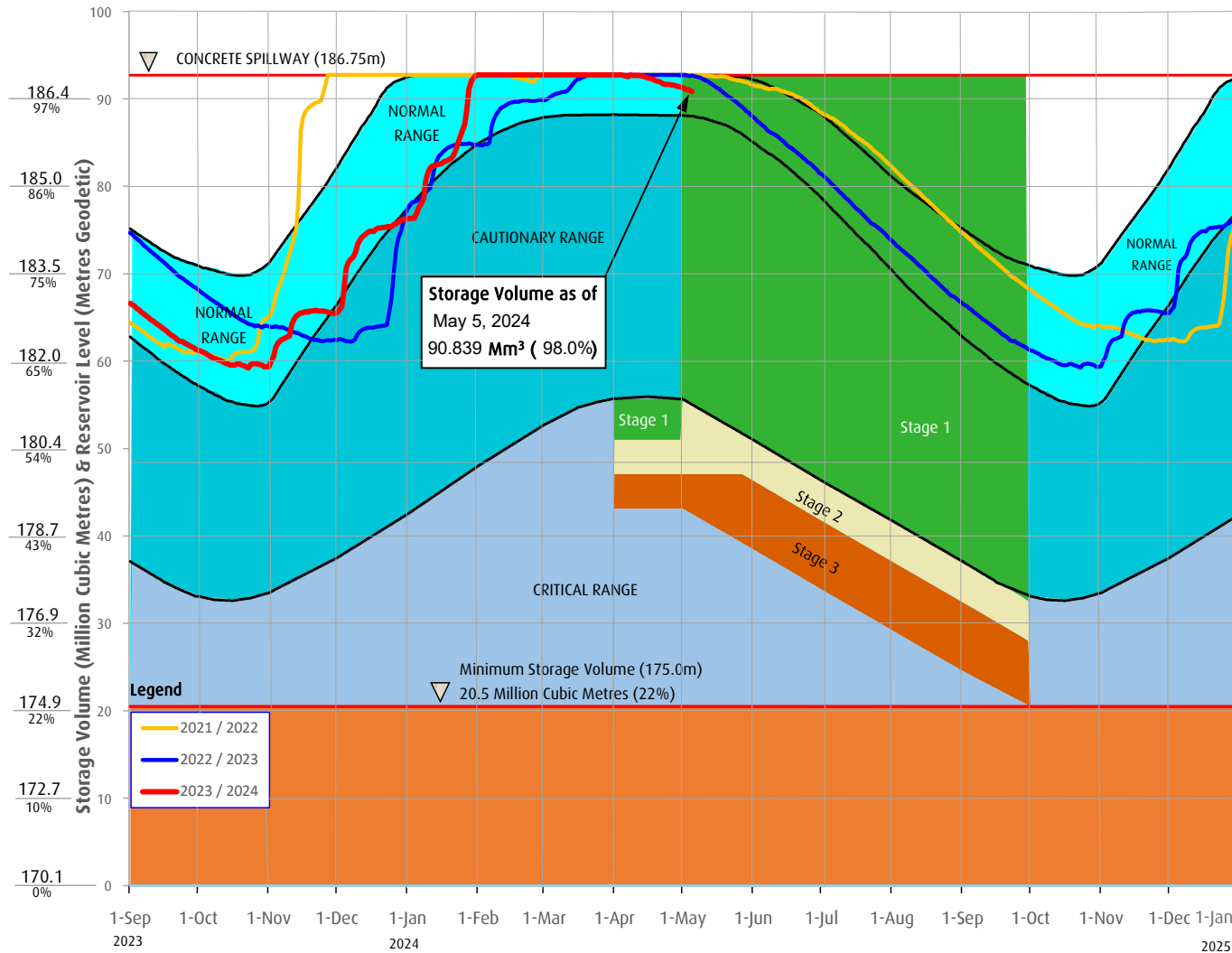
# SOOKE LAKE RESERVOIR STORAGE SUMMARY

## 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 May 05, 2024

