

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued June 10, 2024

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	June 30 5 Year Ave		June 30/23		June 9/24		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	82,829	18,222	81,534	17,937	86,327	18,992	93.1%
Goldstream	7,968	1,753	9,013	1,983	9,680	2,130	97.6%
Total	90,797	19,975	90,547	19,920	96,007	21,122	93.5%

2. Average Daily Demand:

For the month of June	152.4 MLD	33.52 MIGD
For week ending June 09, 2024	156.4 MLD	34.41 MIGD
Max. day June 2024, to date:	184.0 MLD	40.49 MIGD

3. Average 5 Year Daily Demand for June

Average (2019 - 2023)	176.8 MLD ¹	38.89 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall June:

Average (1914 - 2023):	35.3 mm
Actual Rainfall to Date	45.2 mm (128% of monthly average)

5. Rainfall: Sep 1- Jun 9

Average (1914 - 2023):	1,562.0 mm
2023/2024	1,329.5 mm (85% 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 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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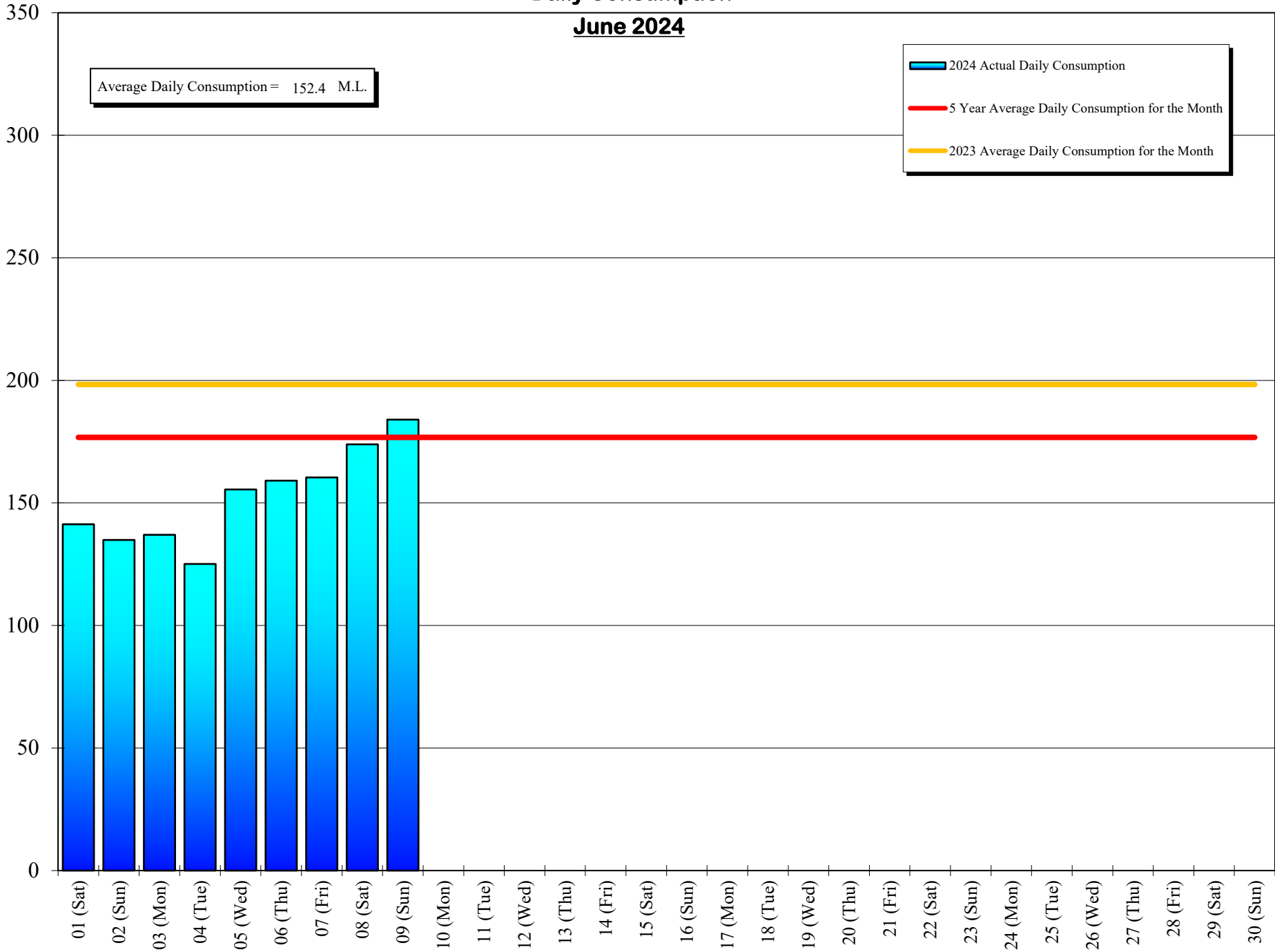
Daily Consumption

June 2024

Average Daily Consumption = 152.4 M.L.

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

Consumption (Million Litres)



Day

Daily Consumptions: - June 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 (Sat)	141.3		31.1	18	11	Cloudy / Showers	1.3	0.0	1.3
02 (Sun)	134.9		29.7	13	11	Rain	19.8	0.0	19.8
03 (Mon)	137.0		30.1	13	9	Cloudy / P. Sunny / Rain	18.5	0.0	18.5
04 (Tue)	125.1	<=Min	27.5	15	7	Cloudy / P. Sunny / Showers	5.6	0.0	5.6
05 (Wed)	155.5		34.2	18	6	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Thu)	159.1		35.0	21	7	Sunny / P. Cloudy	0.0	0.0	0.0
07 (Fri)	160.4		35.3	24	8	Sunny	0.0	0.0	0.0
08 (Sat)	173.9		38.3	27	11	Sunny / P. Cloudy	0.0	0.0	0.0
09 (Sun)	184.0	<=Max	40.5	23	11	Sunny / P. Cloudy	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)									
TOTAL	1371.2 ML	301.66 MIG					45.2	0	45.2
MAX	184.0	40.49	27	11			19.8	0	19.8
AVG	152.4	33.52	19.1	9.0			5.0	0	5.0
MIN	125.1	27.53	13	6			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.

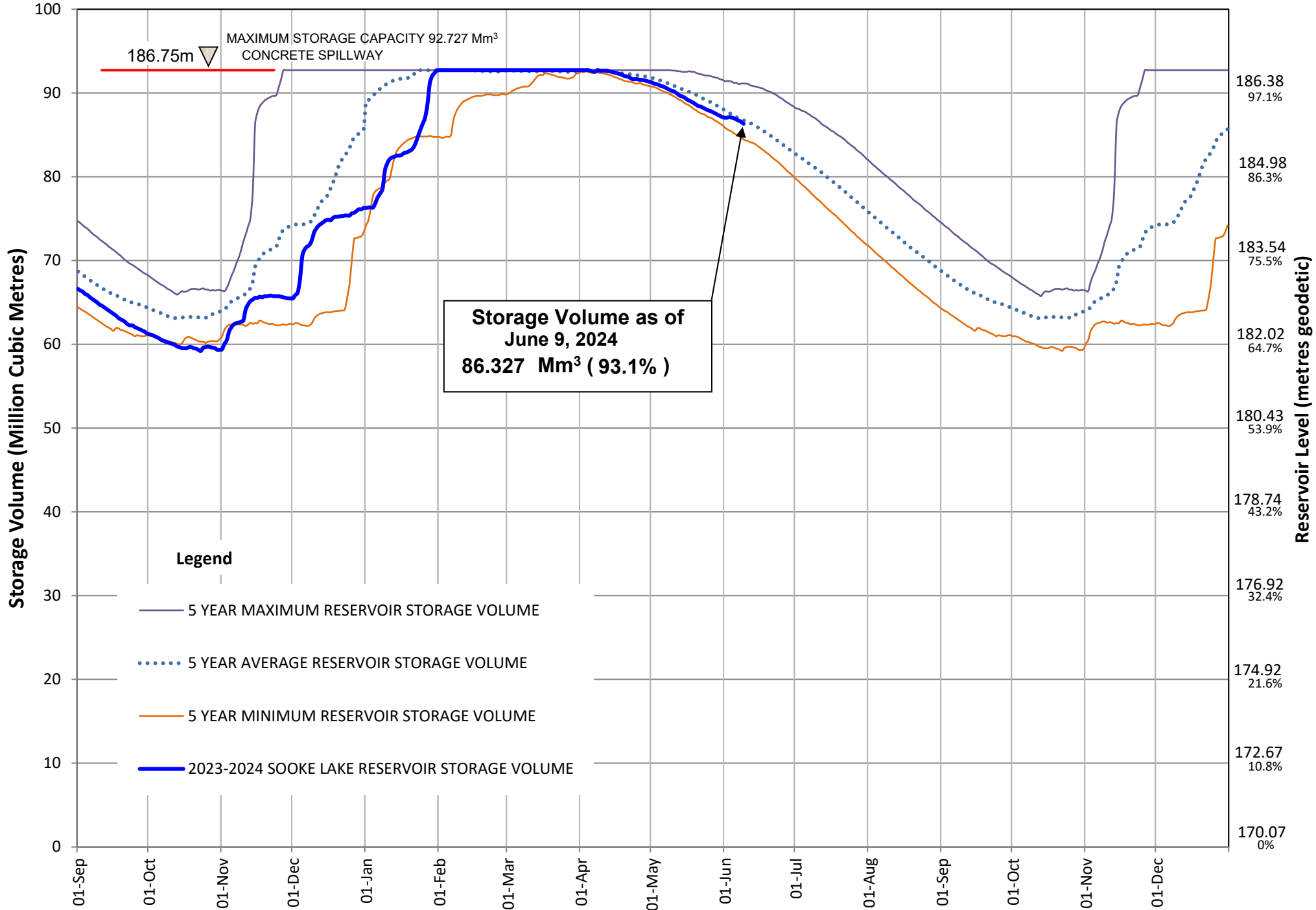
Average Rainfall for June (1914-2023)	35.3 mm
Actual Rainfall: June	45.2 mm
% of Average	128%
Average Rainfall (1914-2023): Sept 01 - Jun 09	1,562.0 mm
Actual Rainfall (2023/24): Sept 01 - Jun 09	1,329.5 mm
% of Average	85%

Number days with precip. 0.2 or more
4

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

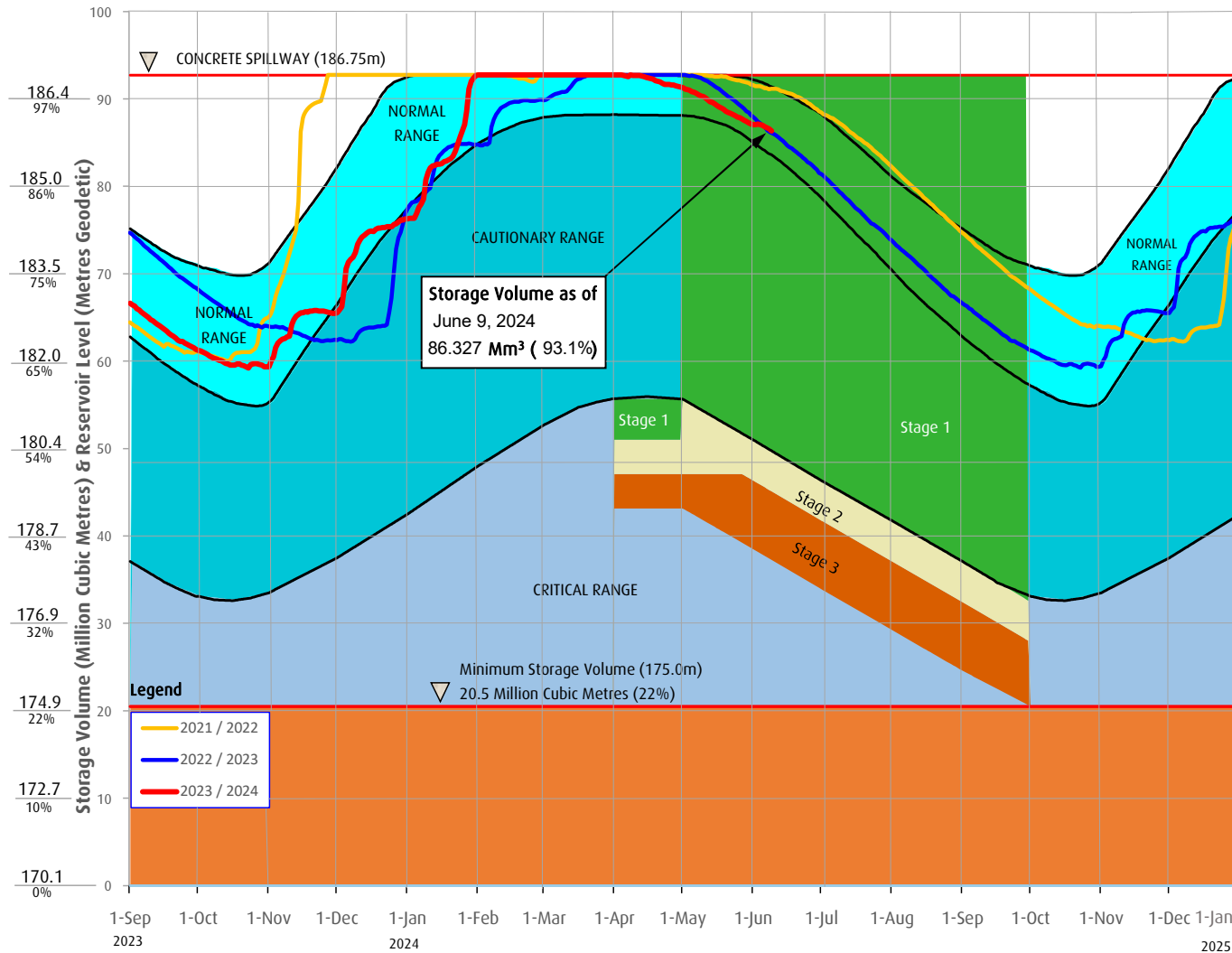
SOOKE LAKE RESERVOIR STORAGE SUMMARY

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

Useable Reservoir Volumes in Storage for June 09, 2024

