



Making a difference...together

SAANICH PENINSULA WATER COMMISSION
Notice of Meeting on **Thursday, March 16, 2023 at 9:30 am**
Meeting Room, Sidney Community Safety Building (Fire Hall),
2245 Oakville Ave, Sidney BC

For members of the **public who wish to listen to the meeting** via telephone please call **1-833-353-8610** and enter the **Participant Code 1911461 followed by #**. You will not be heard in the meeting room but will be able to listen to the proceedings.

- | | | |
|-------------------------|-----------------|----------------|
| D. Kelbert (Chair) | W. Helgason | C. Pinches |
| M. Doehnel (Vice Chair) | P. Jones | S. Shrivastava |
| S. Duncan | Z. King | R. Windsor |
| D. Halldorson | C. McNeil-Smith | |

AGENDA

- 1. TERRITORIAL ACKNOWLEDGEMENT**
- 2. APPROVAL OF AGENDA**
- 3. ADOPTION OF MINUTES3**

Recommendation: That the minutes of the January 19, 2023 meeting be adopted.

- 4. CHAIR’S REMARKS**
- 5. PRESENTATIONS/DELEGATIONS**

Delegations will have the option to participate electronically. Please complete the [online](#) application for “Addressing the Board” on our website and staff will respond with details.

Alternatively, you may email your comments on an agenda item to the Saanich Peninsula Water Commission at iwsadministration@crd.bc.ca. Requests must be received no later than 4:30 p.m. two calendar days prior to the meeting.

- 6. GENERAL MANAGER’S REPORT**
- 7. COMMISSION BUSINESS**
 - 7.1. Saanich Peninsula Water Service Projects and Initiatives Update7**

There is no recommendation, the report is for information only.

To ensure quorum, advise **Denise Dionne, ddionne@crd.bc.ca** if you cannot attend.

**Saanich Peninsula Water Commission
Agenda – March 16, 2023**

7.2. Summary of Recommendations from Other Water Commissions11

There is no recommendation, the summary is for information only.

7.3. Water Watch Report13

There is no recommendation, the report is for information only.

8. NOTICE(S) OF MOTION

9. NEW BUSINESS

10. ADJOURNMENT

Next Meeting: Thursday, May 18, 2023



Making a difference...together

MINUTES OF A MEETING OF THE Saanich Peninsula Water Commission, held Thursday, January 19, 2023 at 9:30 a.m., Sidney Community Safety Building, 2245 Oakville Ave., Sidney BC

PRESENT: Commissioners: D. Kelbert (Chair); M. Doehnel (Vice Chair); S. Duncan; D. Halldorson; W. Helgason; C. Stock for P. Jones; Z. King (EP); C. McNeil-Smith; C. Pinches; S. Shrivastava (EP); S. Riddell for R. Windsor

Staff: I. Jesney, Acting General Manager, Integrated Water Services; G. Harris, Senior Manager, Environmental Protection; J. Marr, Acting Senior Manager, Infrastructure Engineering; S. Irg, Senior Manager, Infrastructure Water Operations; J. Dales, Senior Manager, Infrastructure Wastewater Operations; D. Robson, Saanich Peninsula and Gulf Islands Operations, Infrastructure Operations; D. Dionne, Administrative Coordinator, Integrated Water Services (Recorder)

REGRETS:

EP = Electronic Participation

The meeting was called to order at 9:30 am.

1. TERRITORIAL ACKNOWLEDGEMENT

I. Jesney provided the Territorial Acknowledgement.

2. ELECTION OF CHAIR

The Acting General Manager called for nominations for the position of Chair of the Saanich Peninsula Water Commission for a one-year term ending December 31, 2023.

Commissioner King nominated Commissioner Kelbert. Commissioner Kelbert accepted the nomination.

The Acting General Manager called for nominations a second time.

The Acting General Manager called for nominations a third and final time.

Hearing no further nominations, the Acting General Manager declared Commissioner Kelbert Chair of the Saanich Peninsula Water Commission for a one-year term ending December 31, 2023 by acclamation.

3. ELECTION OF VICE CHAIR

Chair Kelbert called for nominations for the position of Vice Chair of the Saanich Peninsula Water Commission for a one-year term ending December 31, 2023.

Chair Kelbert nominated Commissioner Doehnel. Commissioner Doehnel accepted the nomination.

Chair Kelbert called for nominations a second time.

Chair Kelbert called for nominations a third and final time.

Hearing no further nominations, Chair Kelbert declared Commissioner Doehnel Vice Chair of the Saanich Peninsula Water Commission for a one-year term ending December 31, 2023 by acclamation.

4. APPROVAL OF AGENDA

MOVED by Alternate Commissioner Stock, **SECONDED** by Commissioner McNeil-Smith,
That the agenda be approved.

CARRIED

5. ADOPTION OF MINUTES

MOVED by Alternate Commissioner Stock, **SECONDED** by Commissioner Duncan,
That the minutes of the September 22, 2022 meeting be adopted.

CARRIED

6. CHAIR'S REMARKS

The Chair remarked on his beliefs for inclusivity of everyone on the Commission, good governance between the Commission and staff and how important and critical the infrastructure is.

7. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

8. GENERAL MANAGER'S REPORT

Provided an update on the recruitment status of the new General Manager for Integrated Water Services. He noted that while the recruitment process is in progress, and until a new General Manager is in place, he would be serving as Acting General Manager.

9. COMMISSION BUSINESS

9.1. Presentation – Saanich Peninsula Water Commission Orientation

Staff provided the presentation and responded to questions from the Commission regarding:

- First Nations water servicing, water rates, metering and infrastructure
- Development Cost Charges program
- Bear Hill interconnect project progress
- System infrastructure and water main replacements/upgrades
- 2023 Capital Projects program update

Commissioner Helgeson relayed that the W̱SÁNEĆ Leadership Council commended Capital Regional District staff for their help with a water pump issue. He noted that there is a new Public Works Manager, Mica Claxton.

The Chair stated that he would like to have a visual understanding of the service and its infrastructure for the commissioners to be able to see a timeline of projects influencing this Commission.

There is no recommendation, the presentation is for information only.

9.2. Appointment of Representative to the Water Advisory Committee [Verbal]

MOVED by Commissioner McNeil-Smith, **SECONDED** by Commissioner Duncan,
That the Saanich Peninsula Water Commission appoint the Vice Chair to the Water Advisory Committee for a one-year term ending December 31, 2023.

CARRIED

9.3. Summary of Recommendations from Other Water Commissions

There is no recommendation, the summary is for information only.

9.4. Water Watch Report

I. Jesney provided an overview of the water watch report noting that it is presented to the water Commissions for information. There was discussion regarding climate change, water shortages, water restrictions and public awareness and understanding of how our water system works versus other water systems as it relates to watering restrictions in different areas.

There is no recommendation, the report is for information only.

10. SAANICH PENINSULA WATER COMMISSION MEETING SCHEDULE

Regular meetings of the Saanich Peninsula Water Commission shall be held on the third Thursday bi-monthly, commencing at 9:30 am unless otherwise determined.

There are two dates that deviate from this schedule as follows:

- September 28 (instead of September 22) – Due to Union of BC Municipalities
- October 19 (special additional meeting for provisional budget review)

11. NOTICE(S) OF MOTION

There was none.

12. NEW BUSINESS

Staff responded to a request from the Commission for a status update on the Agricultural Water Rate Study. Staff advised that Stantec Consulting was retained to conduct the study. Staff are waiting for the Water Advisory Committee to be established, as it is one of the key stakeholders for the study.

13. ADJOURNMENT

MOVED by Commissioner Stock, **SECONDED** by Commissioner Duncan,
That the January 19, 2023 meeting be adjourned at 10:27 am.

CARRIED

CHAIR

SECRETARY

DRAFT



Making a difference...together

SPWC 23-01

**REPORT TO SAANICH PENINSULA WATER COMMISSION
MEETING OF THURSDAY, MARCH 16, 2023**

SUBJECT **Saanich Peninsula Water Service Projects and Initiatives Update**

ISSUE SUMMARY

To provide the Saanich Peninsula Water Commission with updates regarding ongoing projects and initiatives.

BACKGROUND

In the process of delivering the Saanich Peninsula Water Service 2023 Capital Plan there are several projects and initiatives that are underway. Although there are projects identified in the 2023 Capital Plan that have not been started, the following is an update on some of the more significant projects that are underway and upcoming. The projects are described in detail below and shown in Appendix A.

20-02 | Hamsterly Pump Station Backup Power Generator

Scope

The Hamsterly pump station currently provides water to the Bear Hill Tank. This project is to design and construct backup power for the pump station.

Budget

The overall budget for this project has been increased to \$1.1 million in 2023 to account for market escalation.

Schedule

The design for this project is complete and the work was tendered for construction in 2022, but pricing came in over budget. Additional funding has been approved and this project will be retendered in 2023.

Community Impacts/Permits

The work site is in close proximity to Hamsterly Beach at Elk/Beaver Lake Regional Park and the work site will need to be fenced off to isolate the construction zone from park users.

21-05 | SPW System Upgrade and Expansion

Scope

This project is to upgrade vulnerable sections of the Saanich Peninsula Water system to provide better redundancy and improved seismic resiliency. Phase 1 of this project will include detailed design and construction of new transmission main along East Saanich Road from Mt. Newton Cross Road to Dean Park Lower Tank. Phase 2 will include concept design and detailed design to replace asbestos cement (AC) transmission main from McTavish Tank to Mills Road.

Budget

The overall budget for this project is \$14.7 million, however subsequent funding will be required for construction of phase 2. The proposed budget for 2023 is \$1.7 million.

Schedule

Project planning is underway, and a Request for Proposal is being developed to engage an engineering consultant for the work. The design is expected to progress in 2023 with construction likely to follow in 2024.

Community Impacts/Permits

There will be traffic disruption during the construction of the Phase 1 works along East Saanich Road, however Capital Regional District (CRD) staff will work with the successful design consultant to find a pipe alignment within the right of way that can minimize the impact to the extent possible.

An Island Health Construction Permit will be required for this work as well as permits from Central Saanich and North Saanich for work in the road allowance. CRD will be progressing cultural and archaeological reviews during the design process to assess any potential impacts and mitigation measures required.

22-03 | Keating Cross Road Water Main

Scope

This project is being delivered by the Ministry of Transportation and Infrastructure (MOTI) as part of the larger Highway 17 – Keating Cross Road “Flyover” Overpass Project. CRD has been coordinating with MOTI to have 465 meters of 500-millimeter ductile iron watermain installed by MOTI’s contractor which will replace the existing AC water main.

Budget

The overall budget for CRD’s portion of this project is currently set at \$1 million with \$900,000 being spent in 2023.

Schedule

This watermain work will be dictated by MOTI’s construction schedule. This project is currently out to Tender and the watermain work is anticipated to occur early in the project.

Community Impacts/Permits

Community impacts and permitting for this project are being managed by MOTI, with CRD providing oversight specific to the scope of the waterworks. CRD’s scope is considered a relatively small component of the larger Highway 17 – Keating Cross Road “Flyover” Overpass Project.

23-04 | RTU and PLC Upgrade and Replacement

Scope

This project is to upgrade Remote Terminal Unit (RTU) programming within the Saanich Peninsula Water service, upgrade the Programmable Logic Controller (PLC) at the Deep Cover pump station, and upgrade the telecommunications from Hamsterly pump station.

Budget

The overall budget for this project is \$140,000.

Schedule

Planning for this work has commenced with detailed work planning and scheduling to follow.

Community Impacts/Permits

This project will be largely tied to existing facilities and as such, community impacts and permitting requirements are both expected to be minimal.

23-05 | Bear Hill Tank Repairs

Scope

This project is to conduct concrete repairs and obtain detailed engineering assessments of the Bear Hill Tank.

Budget

The overall budget for this project is \$250,000.

Schedule

Initial repairs are scheduled to be completed in early spring 2023 to coincide with scheduled tank cleaning. Additional internal engineering assessment will also progress during the scheduled cleaning and will determine what, if any, additional repairs are required.

Community Impacts/Permits

This work is being scheduled prior to the high-water demand of summer months and only one reservoir cell will be taken offline at a time to avoid water service disruption. Impacts to the community are expected to be minimal, given the relatively remote location of this site.

CONCLUSION

In the 2023 Capital Budget for the Saanich Peninsula Water Service there are 19 projects proposed with a combined budget of \$5,336,000. Five of these projects account for 77% or \$4,090,000 of the 2023 budget and are currently in progress. Updates on these projects have been provided with details on scope, budget, schedule and community impacts/permits.

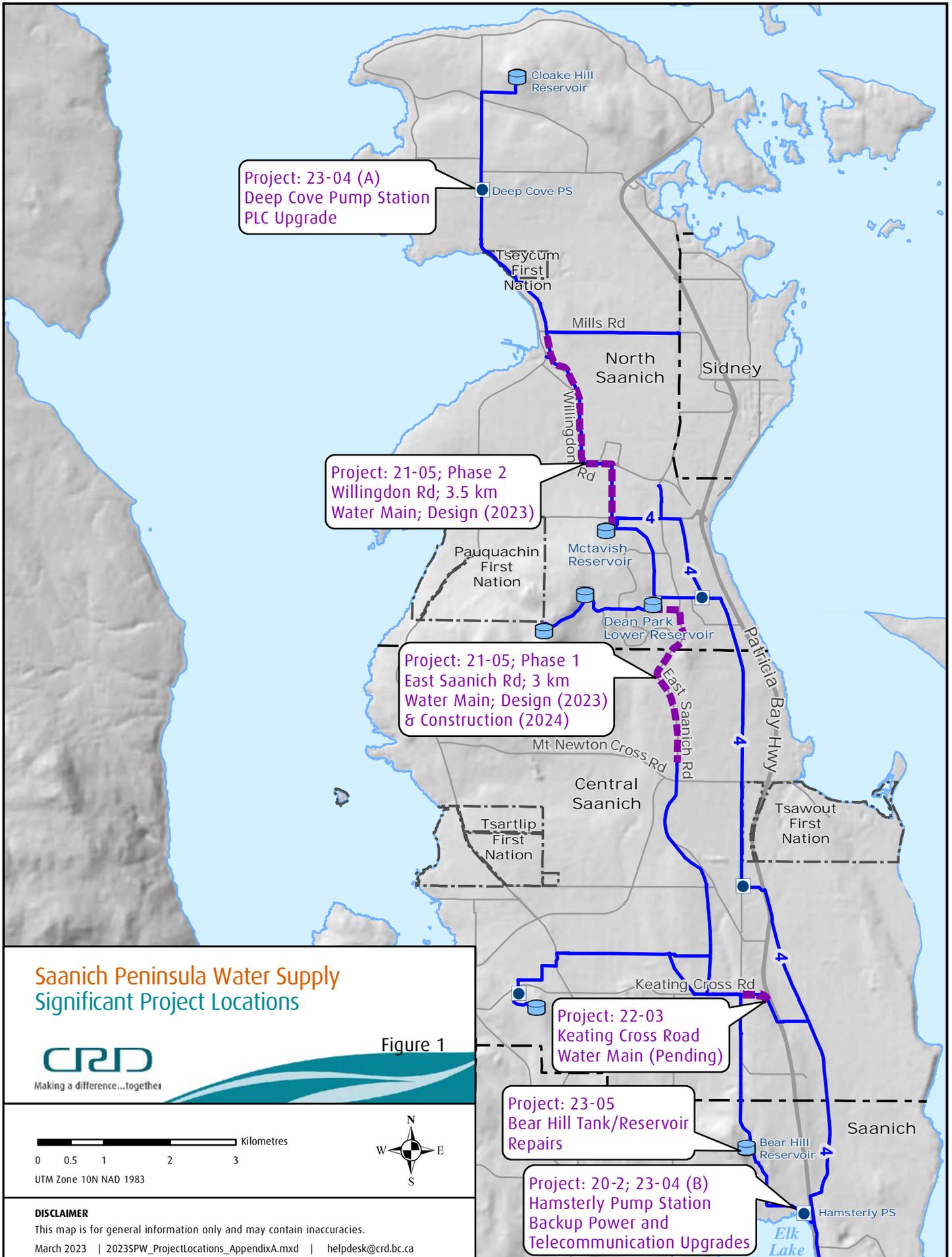
RECOMMENDATION

There is no recommendation, the report is for information only.

Submitted by:	Jared Kelly, P.Eng., Manager, Capital Projects
Concurrence:	Joseph Marr, P.Eng., Acting Senior Manager, Infrastructure Engineering
Concurrence:	Ian Jesney, P. Eng., Acting General Manager, Integrated Water Services
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

ATTACHMENT(S)

Appendix A: Saanich Peninsula Water Supply – Significant Project Locations





Capital Regional District **HOTSHEET AND ACTION LIST**

Juan de Fuca Water Distribution Commission

Tuesday, March 7, 2023

12 PM

Goldstream Meeting Room
479 Island Highway
Victoria, BC

The following is a quick snapshot of the FINAL Juan de Fuca Water Distribution Commission decisions made at the meeting. The minutes will represent the official record of the meeting. A name has been identified beside each item for further action and follow-up.

3. ADOPTION OF MINUTES

That the minutes of the January 3, 2023 meeting be adopted.

CARRIED

7. COMMISSION BUSINESS

The following reports were received for information:

- 7.1. Juan de Fuca Water Distribution Service Capital Projects Update
- 7.2. Summary of Recommendations from Other Water Commissions
- 7.3. Water Watch Report



Capital Regional District

HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, February 15, 2023

11:30 AM

6th Floor Board Room
625 Fisgard Street
Victoria, BC

The following is a quick snapshot of the FINAL Regional Water Supply Commission decisions made at the meeting. The minutes will represent the official record of the meeting. A name has been identified beside each item for further action and follow-up.

3. ADOPTION OF MINUTES

That the minutes of the January 18, 2023 meeting be adopted.

CARRIED

7. COMMISSION BUSINESS

7.1 2023-2027 Regional Water Supply Service Capital Plan Update

Recommendation: The Regional Water Supply Commission recommends to the Capital Regional District Board:

That the 2023 Regional Water Supply Service Capital Budget and Five Year Capital Plan be updated to include \$365,000 for Project 20-27 GVWSA Forest Resilience, for ecological restoration thinning trials development and implementation costs and \$365,000 in revenue from the project.

CARRIED

The Following Reports Were Received for Information

7.2 2022 GVWSA Wildfire Management

7.3. Water Conservation Initiative Once-Through Cooling Project Reduced Rebates Program - Environmental Benefits

7.4. Water Quality Report for Greater Victoria Drinking Water System – July to December 2022

7.5. Summary of Recommendations from Other Water Commissions

7.6. Water Watch Report

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued March 06, 2023

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	March 31 5 Year Ave		March 31/22		March 5/23		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,634	20,379	92,727	20,400	90,399	19,888	97.5%
Goldstream	8,235	1,812	9,825	2,162	9,906	2,179	99.9%
Total	100,868	22,191	102,552	22,561	100,305	22,067	97.7%

2. Average Daily Demand:

For the month of March	101.9 MLD	22.41 MIGD
For week ending March 05, 2023	102.3 MLD	22.51 MIGD
Max. day March 2023, to date:	106.7 MLD	23.46 MIGD

3. Average 5 Year Daily Demand for March

Average (2018 - 2022)	103.3 MLD ¹	22.73 MIGD ²
-----------------------	------------------------	-------------------------

¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall March:

Average (1914 - 2022):	160.4 mm
Actual Rainfall to Date	40.4 mm (25% of monthly average)

5. Rainfall: Sep 1- Mar 5

Average (1914 - 2022):	1,282.4 mm
2022/2023	840.2 mm (66% 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:

Ian Jesney, P. Eng.
Acting General Manager, CRD - Integrated Water Services
or
Glenn Harris, Ph D., RPBio
Senior Manager - Environmental Protection

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

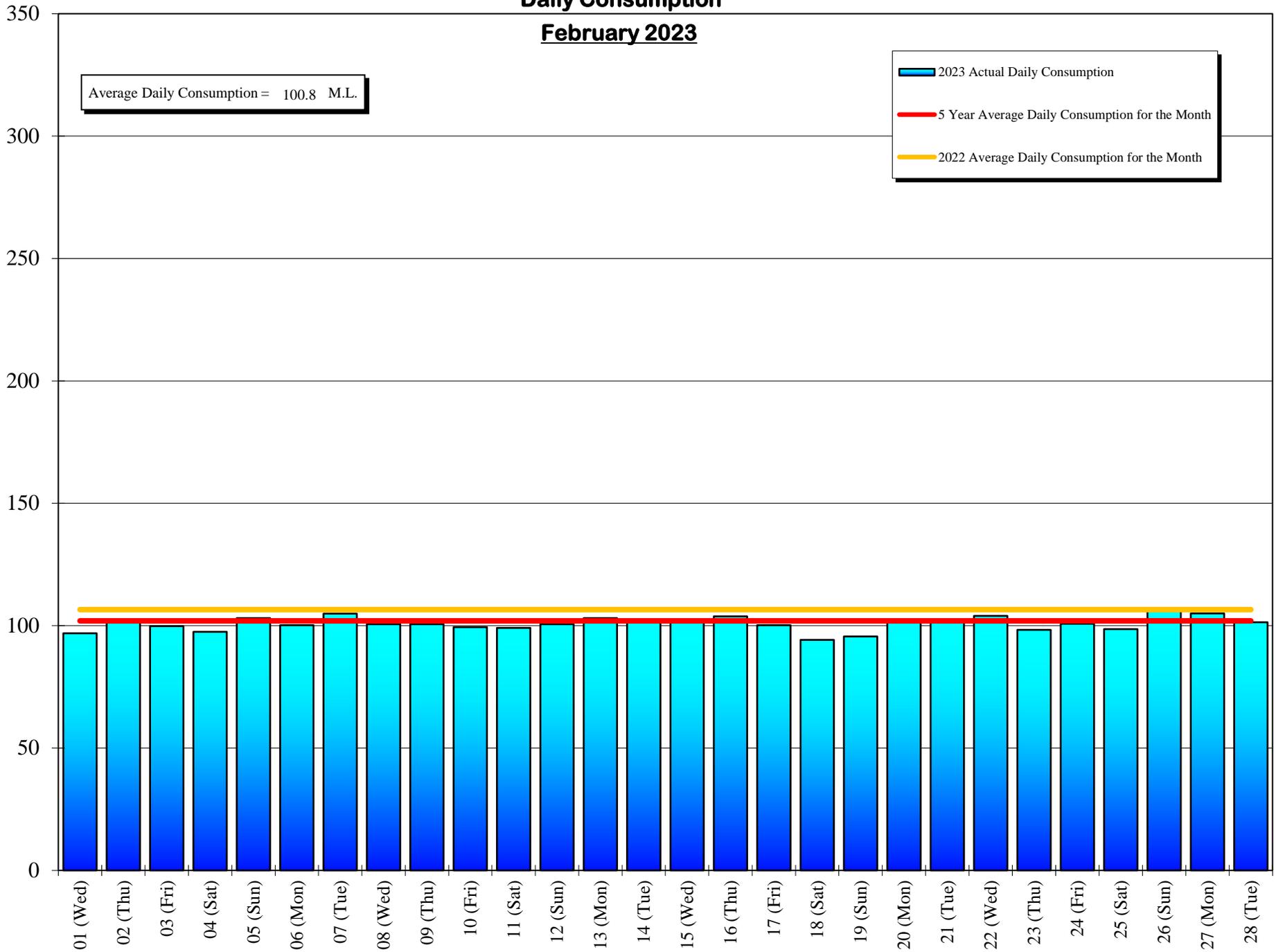
Daily Consumption

February 2023

Consumption (Million Litres)

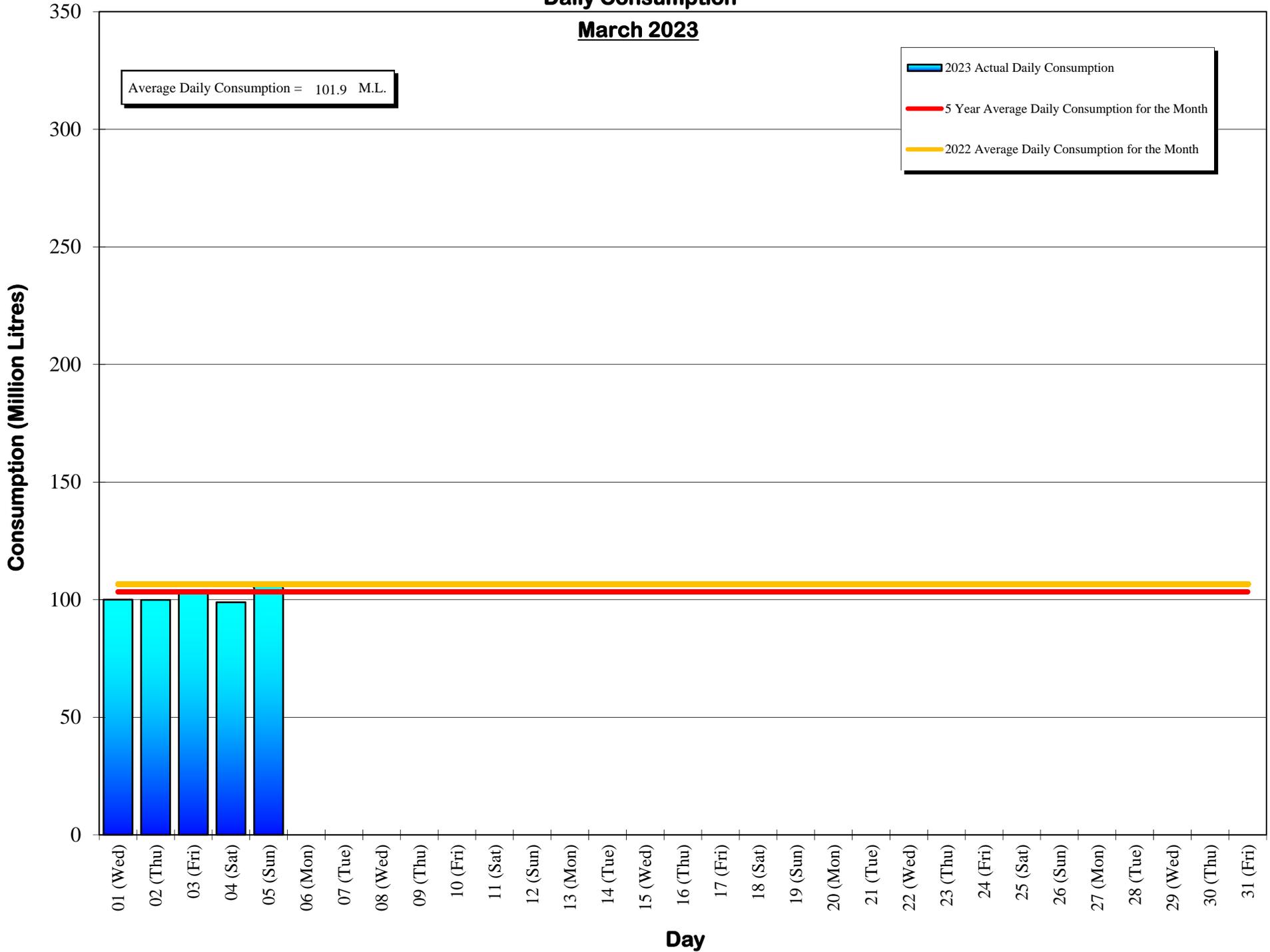
Average Daily Consumption = 100.8 M.L.

- 2023 Actual Daily Consumption
- 5 Year Average Daily Consumption for the Month
- 2022 Average Daily Consumption for the Month



Day

Daily Consumption March 2023



Daily Consumptions: - March 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 (Wed)	100.0		22.0	3	-2	Cloudy / Showers	3.3	0.0	3.3
02 (Thu)	99.9		22.0	7	0	Cloudy / Snow / Rain	8.9	93.9	18.3
03 (Fri)	103.9		22.9	5	0	Cloudy / Snow / Showers	5.1	5.0	5.6
04 (Sat)	98.9	<=Min	21.8	4	1	Cloudy / Showers	12.7	0.0	12.7
05 (Sun)	106.7	<=Max	23.5	7	0	Cloudy / P.Sunny / Sleet	0.3	2.5	0.6
06 (Mon)									
07 (Tue)									
08 (Wed)									
09 (Thu)									
10 (Fri)									
11 (Sat)									
12 (Sun)									
13 (Mon)									
14 (Tue)									
15 (Wed)									
16 (Thu)									
17 (Fri)									
18 (Sat)									
19 (Sun)									
20 (Mon)									
21 (Tue)									
22 (Wed)									
23 (Thu)									
24 (Fri)									
25 (Sat)									
26 (Sun)									
27 (Mon)									
28 (Tue)									
29 (Wed)									
30 (Thu)									
31 (Fri)									
TOTAL	509.4 ML		112.05 MIG				30.3	101	40.4
MAX	106.7		23.46	7	1		12.7	94	18.3
AVG	101.9		22.41	5.2	-0.2		6.1	20	8.1
MIN	98.9		21.76	3	-2		0.3	0	0.6

1. ML = Million Litres

2. MIG = Million Imperial Gallons

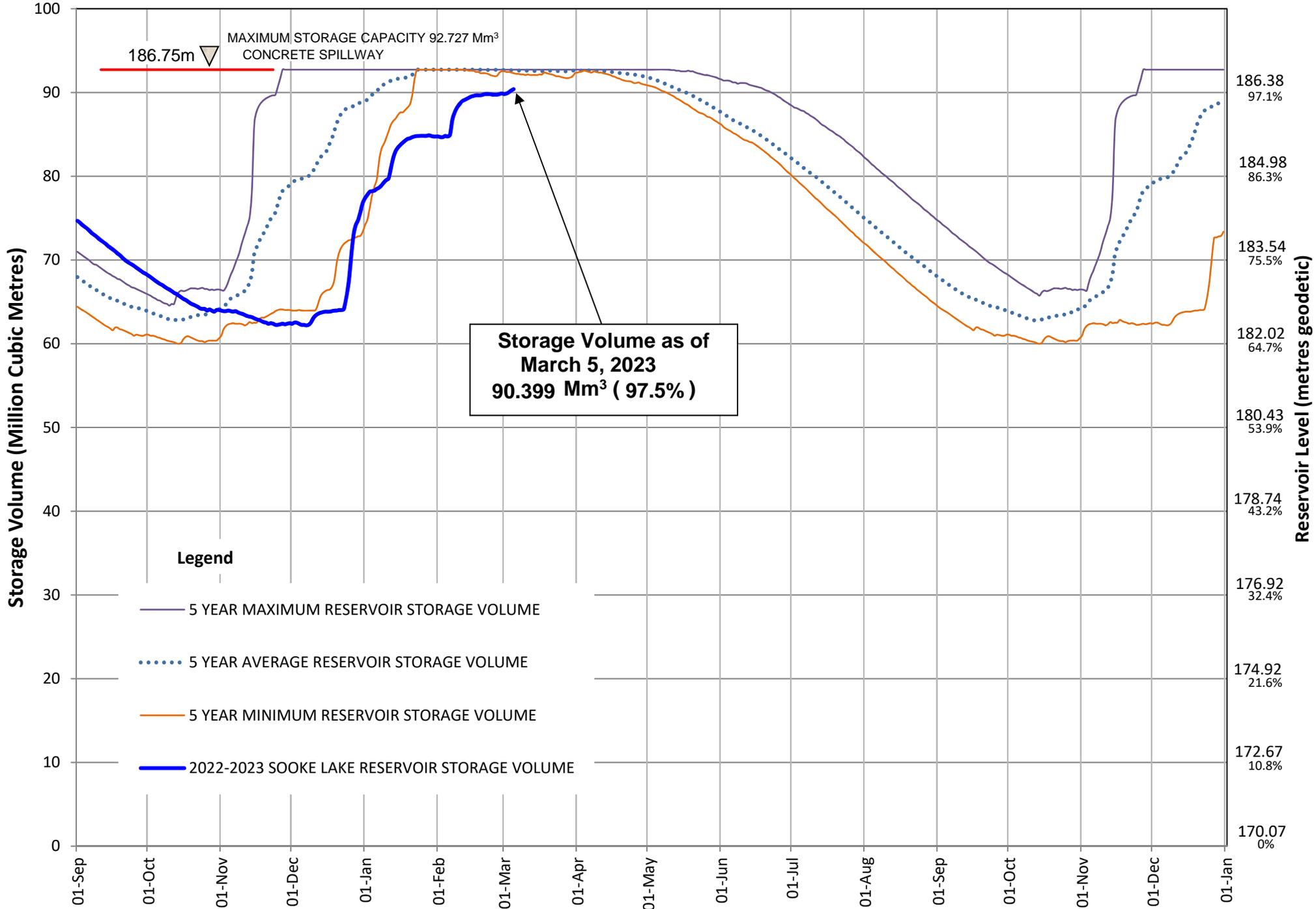
3. 10% of snow depth applied to rainfall figures for snow to water equivalent.

Average Rainfall for March (1914-2022)	160.4 mm
Actual Rainfall: March	40.4 mm
% of Average	25%
Average Rainfall (1914-2022): Sept 01 - Mar 05	1,282.4 mm
Actual Rainfall (2022/23): Sept 01 - Mar 05	840.2 mm
% of Average	66%

Number days with precip. 0.2 or more
5

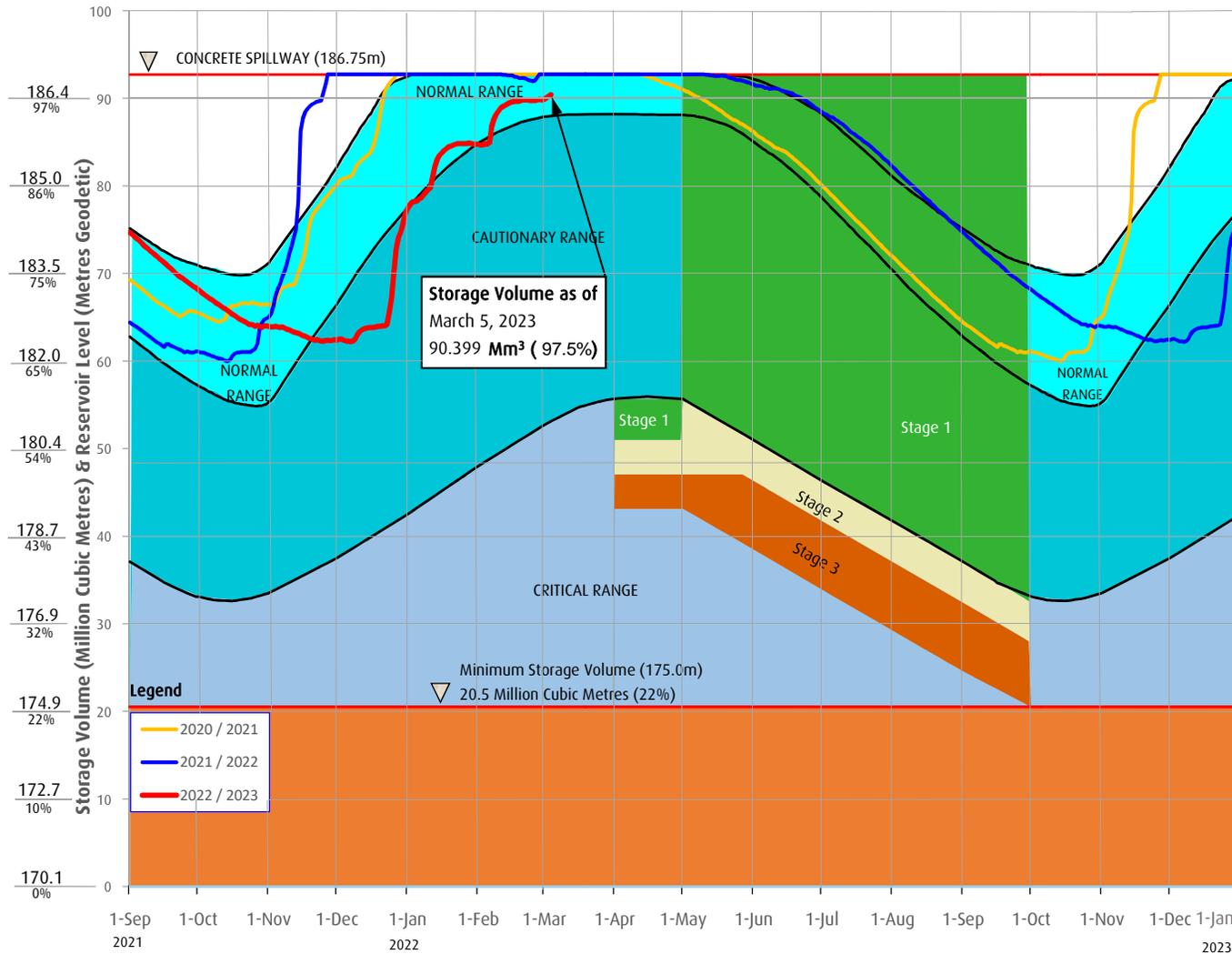
Water spilled at Sooke Reservoir to date (since Sept. 1) = 0.00 Billion Imperial Gallons
 = 0.00 Billion Litres

SOOKE LAKE RESERVOIR STORAGE SUMMARY 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 downs (Sooke Lake Reservoir and the Goldstream Reservoirs) and draw downs (Sooke Lake Reservoir and the Goldstream Reservoirs);
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 05, 2023

