



Notice of Meeting and Meeting Agenda Regional Water Supply Commission

Wednesday, May 20, 2020

11:30 AM

6th Floor Boardroom
625 Fisgard St.
Victoria, BC V8W 1R7

During the COVID-19 pandemic, Commission meetings will be held electronically with limited in-person participation, and will not be open to the public pursuant to Ministerial Order 083.

Members:

R. Mersereau (Chair); G. Baird (Vice Chair); N. Chambers; L. Collins; Z. de Vries;
S. Duncan; C. Graham; K. Harper; M. Hicks; B. Isitt; K. Kahakauwila; G. Logan;
J. Loveday; T. Morrison; J. Rogers; T. St-Pierre; C. Stock; L. Szpak; N. Taylor;
R. Wade; E. Wood Zhelka; G. Young

1. TERRITORIAL ACKNOWLEDGEMENT

2. APPROVAL OF THE AGENDA

3. ADOPTION OF MINUTES

3.1. [20-301](#) Adoption of Minutes - March 18, 2020

Recommendation: That the minutes of the March 18, 2020 meeting be adopted.

Attachments: [Minutes March 18, 2020](#)

4. CHAIR'S REMARKS

5. PRESENTATIONS/DELEGATIONS

6. WATER ADVISORY COMMITTEE REPORT

The Water Advisory Committee did not meet in March or April.

7. GENERAL MANAGER'S REPORT

7.1. Essential Water Service Delivery - COVID-19

7.2. Water Supply Outlook

8. COMMISSION BUSINESS

8.1. [20-272](#) Appointment of Watershed Security Officers

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

Appoint Patrick McCoubrey and Devon Barnes as Watershed Security Officers; and that Don Herriott (retired) be removed from appointment; for the purpose of Section 233 of the Local Government Act and Section 28(3) of the Offence Act, and in accordance with Capital Regional District Bylaw No. 2681.

Attachments: [Staff Report: Appointment of Watershed Security Officers](#)

8.2. [20-300](#) Sooke Lake Reservoir - Intake Tower Screen Replacement and Financial Plan Amendment

Recommendation: 1. The Regional Water Supply Commission recommends that the Sooke Lake Reservoir Intake Tower Screen Replacement Project proceed as planned; and,

2. That the Regional Water Supply Commission recommends to the Capital Regional District Board, that the 2020 - 2021 Regional Water Supply Service Financial Plan be amended as follows:

****NOTE**** Please refer to the recommendation in the staff report for the table of proposed budget amendments, referenced in Item 2 of the recommendation.

Attachments: [Staff Report: Sooke Lake Reservoir - Intake Tower Screen Replacement and Fi](#)

8.3. [20-302](#) Water Watch Report

Recommendation: That the May 11, 2020 Water Watch report be received for information.

Attachments: [Water Watch Report](#)

8.4. Summary of Recommendations from Other Water Commissions

There have been no other water commission meetings since the last time a summary was received at the Regional Water Supply Commission.

9. NEW BUSINESS**10. ADJOURNMENT**

Next Meeting: June 17, 2020 or at the call of the Chair

To ensure quorum, please contact Denise Dionne at ddionne@crd.bc.ca or 250.360.3087 if you or your alternate cannot attend.

Meeting Minutes

Regional Water Supply Commission

Wednesday, March 18, 2020

11:30 AM

6th Floor Boardroom
625 Fisgard St.
Victoria, BC V8W 1R7

PRESENT:

R. Mersereau (Chair); G. Baird (Vice Chair); N. Chambers; S. Duncan; K. Harper; M. Hicks;
B. Isitt; J. Loveday; T. Morrison; J. Rogers; L. Szpak; N. Taylor; N. Stewart for R. Wade; G. Young

REGRETS:

Z. de Vries; C. Graham; K. Kahakauwila; G. Logan; T. St-Pierre; C. Stock; E. Wood Zhelka

STAFF:

T. Robbins, General Manager; K. Morley, General Manager, Corporate Services; A. Constabel, Senior Manager, Watershed Protection; S. Henderson, Manager, Real Estate Services; D. Dionne, Administrative Coordinator; S. Orr (Recorder)

TERRITORIAL ACKNOWLEDGEMENT

The Chair provided the territorial acknowledgment.

1. APPROVAL OF THE AGENDA

MOVED by Commissioner Harper, and **SECONDED** by Commissioner Taylor,
That the March 18, 2020 agenda be approved.

CARRIED

2. ADOPTION OF MINUTES

2.1. [20-216](#) February 19, 2020 Minutes

Attachments: [February 19, 2020 Draft Minutes](#)

MOVED by Commissioner Rogers, and **SECONDED** by Commissioner Morrison,

That the minutes of the February 19, 2020 meeting be adopted.

CARRIED

3. REPORT OF THE CHAIR

Chair Mersereau thanked staff and commissioners for being in attendance. She stated that staff are reviewing and updating procedures to address precautions associated with COVID-19. She stated that Capital Regional District (CRD) standing committee meetings have been cancelled until further notice, and that the CRD Board is considering changes to the procedural bylaw that will allow electronic participation at future meetings.

4. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

5. WATER ADVISORY COMMITTEE REPORT

5.1. [20-217](#) Water Advisory Committee Meeting Minutes

Attachments: [January 23, 2020 Minutes](#)
[February 27, 2020 Draft Minutes](#)

Vice Chair Baird advised that due to the COVID-19 health advisory the Chair of the Water Advisory Committee is not in attendance today. He provided an update outlining discussions from the last Water Advisory Committee meeting.

MOVED by Commissioner Baird, and **SECONDED** by Commissioner Chambers,
That the January 23, 2020 and the draft February 27, 2020 Water Advisory Committee meeting minutes be received for information.
CARRIED

6. GENERAL MANAGER'S REPORT

6.1. COVID-19 Essential Service Preparations

T. Robbins provided an overview of the CRD's preparations, in response to the COVID-19 pandemic, to respond to essential service requirements for water supply in the region. He advised that the Emergency Operations Centre is activated and that emergency procedures are being implemented. He provided a summary of key operational procedures to ensure safe and reliable water service delivery.

Staff answered questions from the Commission about lead testing and potential budget implications.

The Commission asked staff to provide a briefing report outlining the key points to share with municipalities.

7. COMMISSION BUSINESS

7.1. [20-215](#) RWSC 20-02 Greater Victoria Water Supply Area Mining Access Request

Attachments: [Staff Report: RWSC 20-02 GVWSA Mining Access Requests](#)
[Appendix A: Location Map of Placer Mining Tenure No. 977172](#)
[Appendix B: Access Agreement](#)

A. Constabel provided a summary of the report as presented.

MOVED by Commissioner Rogers, and **SECONDED** by Commissioner Harper,

That the Regional Water Supply Commission authorize access and special use to Shane Creamer and his agents (where agency is confirmed) and workers (that hold valid free mining certificates) that meet Capital Regional District insurance requirements, subject to the conditions of the signed Access Agreement.

CARRIED

7.2. [20-236](#) Disposition of a Portion of Capital Regional District Owned Property to Ministry of Transportation and Infrastructure for widening of Sooke Road

Attachments: [Staff Report: Disposition of a Portion of CRD-Owned Property to MOTI for Widening of Sooke Road](#)
[Appendix A - Subject Property Map](#)
[Appendix B: Disposition Notice](#)
[Appendix C: MOTI Appraisal August 30, 2019](#)

S. Henderson introduced the report.

Staff answered questions from the Commission about the project.

MOVED by Commissioner Szpak, and **SECONDED** by Commissioner Baird,

The Regional Water Supply Commission recommends that the CRD dispose of the 0.083 hectare portion of Lot 3, Section 65, Goldstream District, Plan 3351, Except that part shown coloured in red on Plan 109RW - PID 001-702-505, to the Ministry of Transportation and Infrastructure for a highway road dedication, for the appraised value of \$8,100 plus CRD administration costs.

CARRIED

OPPOSED: *Commissioners Chambers, Loveday and Isitt*

7.3. [20-213](#) Summary of Recommendations from Other Water Commissions

Attachments: [Summary Of Recommendations from Other Water Commissions](#)

MOVED by Commissioner Rogers, and **SECONDED** by Commissioner Morrison,
That the Summary of Recommendations from Other Water Commissions be received for information.

CARRIED

7.4. [20-214](#) Water Watch Report

Attachments: [Water Watch Report 2020-03-09](#)

MOVED by Commissioner Baird, and **SECONDED** by Alternate Commissioner Stewart,
That the March 9, 2020 Water Watch Report be received for information.

CARRIED

8. MOTION WITH NOTICE

8.1. [20-052](#) Motion with Notice: Commissioner Loveday: First Nations Engagement

Attachments: [Motion with Notice: Commissioner Loveday: First Nations Engagement](#)
[February 12, 2020 Board Resolutions](#)
[Staff Report: First Nations Inclusion on CRD Board Standing Committees](#)
[Staff Report: Remuneration To Support Increased First Nations Participation](#)

Commissioner Loveday advised of an amendment to the Motion with Notice, as originally circulated, to reflect recent recommendations of the First Nations Relations Committee to the CRD Board.

MOVED by Commissioner Loveday, and **SECONDED** by Commissioner Chambers that:

1. That the Regional Water Supply Commission express support to the CRD Board for moving forward with representation from local first nation on the Regional Water Supply Commission;

and,

2. That the Regional Water Supply Commission endorse the proposed recommendations for remuneration to support increased first nations participation.

CARRIED

A discussion took place about remuneration.

9. NEW BUSINESS

There was no new business.

10. MOTION TO CLOSE THE MEETING

10.1. [20-009](#) Motion to Close the Meeting

MOVED by Commissioner Baird, and **SECONDED** by Commissioner Harper,
In accordance with the Community Charter, Part 4, Division 3, 90(1)(e) the
acquisition, disposition or expropriation of land or improvements, if the council
considers that disclosure could reasonably be expected to harm the interests of
the municipality.
CARRIED

11. RISE AND REPORT

The Commission rose from its closed session at 1:25 p.m. without report.

12. ADJOURNMENT

MOVED by Commissioner Baird, **SECONDED** by Commissioner Harper,
That the meeting be adjourned at 1:25 p.m.

CHAIR

SECRETARY

**REPORT TO REGIONAL WATER SUPPLY COMMISSION
MEETING OF WEDNESDAY, MAY 20, 2020**

SUBJECT **Appointment of Watershed Security Officers**

ISSUE SUMMARY

To appoint additional Watershed Security Officers with authority to enforce Bylaw No. 2804, Capital Regional District (CRD) Water Supply Area Regulations and Bylaw No. 3682, CRD Parks Regulations.

BACKGROUND

Appointment of Watershed Security Officers

Bylaw No. 2804, CRD Water Supply Area Regulations provides authority to authorized personnel to enforce the bylaw. Authorized personnel are defined as “peace officer, conservation officer, or person appointed or employed by the CRD as a park officer, animal control officer, bylaw enforcement officer, *watershed security officer*, or other authorized CRD employee”.

Watershed Security Officers were last appointed in 2017 and staffing changes require an update to those appointed. CRD staff appointed as Watershed Security Officers have received bylaw training and have experience with bylaw compliance and enforcement for the Greater Victoria Water Supply Area (GVWSA). Watershed Security Officers supplement the existing service of CRD Bylaw Enforcement Officers who will continue to provide advice, additional coverage, and assistance with serious and complex incidents in the GVWSA.

The CRD Parks Regulation was amended in June 2017 to include Watershed Security Officers to provide authority to enforce park regulations along the Sooke Hills Wilderness Trail (portion of the Great Trail) through and near the GVWSA. Parks Officers were already designated with authority to enforce the Water Supply Area Regulation.

Both CRD Regional Parks and Watershed Protection have the ability to provide compliance and enforcement regardless whether an infraction occurs within or outside of the trail corridor. Regional Parks and Watershed Protection staff work to provide a consistent approach with the public in providing compliance and enforcement along the trail.

Pursuant to Section 233 of the *Local Government Act* and Section 28(3) of the *Offence Act* and in accordance with CRD Bylaw No. 2681, the Regional Board must make resolutions for appointment to the office of Watershed Security Officer.

ALTERNATIVES

Alternative 1

That the Regional Water Supply Commission recommends to the Capital Regional District Board to:

Appoint Patrick McCoubrey and Devon Barnes as Watershed Security Officers; and that Don Herriott (retired) be removed from appointment; for the purpose of Section 233 of the *Local Government Act* and Section 28(3) of the *Offence Act*, and in accordance with Capital Regional District Bylaw No. 2681.

Alternative 2

That this report be referred back to staff for additional information.

IMPLICATIONS

Social Implications

The ability to enforce the Water Supply Area Regulation is important in maintaining compliance and society's expectation for a closed watershed for drinking water. The Sooke Hills Wilderness Trail and the increased residential growth in the Langford and Goldstream areas are creating increasing pressure as more members of the public look for new and interesting areas for recreation nearby. Existing security infrastructure (gates and fences) provides a visual barrier and a barrier to vehicles and motorcycles, but cannot keep out pedestrians and cyclists without presence and enforcement.

Financial Implications

There are no financial implications.

Service Delivery and Regional Water Supply Strategic Plan Implications

The appointment of Watershed Security Officers assists CRD staff in delivering on compliance and enforcement of the Water Supply Area Regulation to protect drinking water for Greater Victoria for the long term.

CONCLUSION

In order to enforce the CRD Water Supply Area Regulation that protects the Greater Victoria Water Supply Area for drinking water production, it is recommended that the CRD Board make resolutions for appointment to the office of Watershed Security Officer.

RECOMMENDATION

That the Regional Water Supply Commission recommends to the Capital Regional District Board to:

Appoint Patrick McCoubrey and Devon Barnes as Watershed Security Officers; and that Don Herriott (retired) be removed from appointment; for the purpose of Section 233 of the Local Government Act and Section 28(3) of the Offence Act, and *in accordance* with Capital Regional District Bylaw No. 2681.

Submitted by:	Annette Constabel, M.Sc., R.P.F., P.M.P., Senior Manager, Watershed Protection
Concurrence:	Ted Robbins, B.Sc., C.Tech., General Manager, Integrated Water Services
Concurrence:	Robert Lapham, M.C.I.P., R.P.P., Chief Administrative Officer

**REPORT TO REGIONAL WATER SUPPLY COMMISSION
MEETING OF WEDNESDAY, MAY 20, 2020**

SUBJECT **Sooke Lake Reservoir - Intake Tower Screen Replacement and Financial Plan Amendment**

ISSUE SUMMARY

The raw water screen inside the intake tower at Sooke Lake Reservoir has failed and Capital Regional District (CRD) staff will need to operate this intake without any screening for a number of months before replacement can be made.

BACKGROUND

As raw water from Sooke Lake Reservoir enters the intake tower, it passes through a travelling screen. Unfortunately, the screen has recently failed. As a result, staff now need to immediately finalize the design for the screen replacement, proceed with procurement of the new screening equipment, and plan for installation as outlined below. This work is estimated at \$1.8 million. This work was not budgeted in the current capital plan and will require a budget amendment with the funding drawn from the 2020 capital reserve contribution, along with additional budget amendments.

Travelling Screen – Function and Operation

The travelling screen in the Sooke Lake Reservoir intake tower screens out organic and inorganic particles larger than the 0.5 millimeter (mm) openings in the mesh screen. The screen is intended to provide an operational benefit by reducing particle sedimentation in the transmission and distribution systems.

The recent failure of some of the screen drive/mechanical components has resulted in the screen being irreparable. There is no redundant screening equipment, so the raw water is currently entering the system unscreened as the damaged screen components had to be removed from the tower. However, even without the failure, the CRD has operated and would continue to operate on occasion without the screen, albeit for a relatively short period, while routine maintenance and inspections are conducted in the intake tower. During this work, an unscreened intake bypass is used, but this bypass only has sufficient capacity to meet winter demand requirements. In order to meet summer demand requirements, the intake tower must be in service.

Island Health is aware of this situation and the plan to replace the screening equipment (see below). There are no concerns regarding the impact on the potability of the drinking water supplied to Greater Victoria. However, there may be localized operational impacts such as a need to increase the maintenance frequency of in-stream strainers/screens in the municipal distribution systems, particularly if the reservoir experiences higher algal activity in the spring/summer months. Staff are monitoring raw water turbidity levels on a daily basis. The municipal water distributors have been advised of the issue. CRD staff are also in direct contact with the Victoria General and Royal Jubilee Hospital Operations staff who are monitoring the hospital water

filtration systems and reporting any anomalous findings to the CRD – to date there have been no negative impacts on the hospital water systems.

The last major maintenance tasks on the screen, including replacement of the main drive sprocket and drive chains, were completed in 2014 and 2015, at which time it was anticipated that the screen would continue to perform adequately for up to ten years, but eventually, a full replacement would be necessary given the age of other components. CRD staff began the process of assessing the condition of the screen system with the assistance of Stantec in 2017, which led to the \$2.5 million project recently completed. This project included removal of the intake tower concrete roof and the installation of a gantry crane above the 21 metre tall screen assembly so that it can be removed/replaced section by section, full electrical upgrade for the screen and intake gate power/controls and provision for portable generator connection, concrete and steel structural work to the intake tower drywell, and safety anchor points for crews working inside the intake tower.

Screen Replacement Project Plan

When the screen initially failed, working with Stantec Consulting Ltd., CRD staff evaluated the options of repairing/rebuilding the failed screen components and completely replacing the screen assembly, including the motor, drivetrain, screen panels, and spray wash pump. The complete replacement option estimate resulted in approximately 30% higher equipment costs as compared to repairing the screen and will provide a service life of approximately 30 years. Installation costs are estimated to be approximately the same for both options. The total recommended budget for the project is \$1.8 million.

The project schedule is as follows:

1. May 2020: Capital budget amendment
2. June – October 2020: Procure screen equipment (six week shop drawing review and approval and 14 week equipment delivery)
3. November 2020: Screen installation (four week installation and commissioning)

CRD staff have begun advancing the project and finalizing equipment specifications so that the new screen equipment can be procured as soon as the budget is approved.

Additional Financial (Capital) Plan Amendments

The approved 2020 - 2024 Regional Water Supply Capital Plan included over 100 projects, many of which were planned or were instream for the 2020 budget year. The 2020 capital plan budget was \$19.691 million in total. Along with amending the financial plan for the screen replacement project, staff are recommending additional financial plan amendments for the 2020 – 2021 budgets to assist with financing the screen replacement project, reflect updated project scheduling, and accommodate project delivery capacity resulting from unplanned work. The recommended amendments are summarized in Alternative 1 below.

ALTERNATIVES

Alternative 1

1. The Regional Water Supply Commission recommends that the Sooke Lake Reservoir Intake Tower Screen Replacement Project proceed as planned; and,
2. That the Regional Water Supply Commission recommends to the Capital Regional District Board, that the 2020 - 2021 Regional Water Supply Service Financial Plan be amended as follows:

Project	Current 2020 Budget	Current 2021 Budget	Amended 2020 Budget	Amended 2021 Budget
SLR Intake Screen Replacement	0	0	\$1.8M	0
RWS Strategic Plan Development	\$0.5M	0	\$0.1M	\$0.4M
St Giles & Cecelia Meter Replacement	\$1.0M	0	0	\$1.0M
Butchart Dam No.5 Remediation	\$3.2M	0	\$0.3M	\$2.9M
Sooke Lake Dam Instrumentation	\$0.75M	\$0.2M	\$0.2M	\$0.75M
Charters Dam Decommissioning	\$0.9M	\$0.9M	\$0.15M	\$1.65M
Total	\$6.35M	\$1.10M	\$2.55M	\$6.70M

Alternative 2

That this report be referred back to staff for additional information.

IMPLICATIONS

Financial Implications

The screen replacement project can be funded from capital funds on hand, which are primarily funds transferred to capital reserves in 2020. This can be done without impacting the priority projects that are planned for completion this year. This is partly due to the fact that some projects are being delayed or deferred for a variety of reasons, which reduces the capital 'cash flow' requirements this year. It is proposed to amend the financial plan to reflect these changes.

CONCLUSION

The Sooke Lake Reservoir intake tower travelling screen has recently failed. As a result, staff will now need to immediately finalize the design for the screen replacement, proceed with procurement of the new screening equipment, and plan for installation. This work is estimated at

\$1.8 million and will require a budget amendment with the funding drawn from the 2020 capital reserve contribution, along with additional budget amendments.

RECOMMENDATION

1. The Regional Water Supply Commission recommends that the Sooke Lake Reservoir Intake Tower Screen Replacement Project proceed as planned; and,
2. That the Regional Water Supply Commission recommends to the Capital Regional District Board, that the 2020 - 2021 Regional Water Supply Service Financial Plan be amended as follows:

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Butchart Dam No.5 Remediation	\$3.2M	0	\$0.3M	\$2.9M
Sooke Lake Dam Instrumentation	\$0.75M	\$0.2M	\$0.2M	\$0.75M
Charters Dam Decommissioning	\$0.9M	\$0.9M	\$0.15M	\$1.65M
Total	\$6.35M	\$1.10M	\$2.55M	\$6.70M

Submitted by:	Ian Jesney, P.Eng., Senior Manager, Infrastructure Engineering
Submitted by:	Ted Robbins, B.Sc., C.Tech., General Manager, Integrated Water Services
Concurrence:	Nelson Chan, M.B.A., C.P.A., C.M.A., Chief Financial Officer
Concurrence:	Robert Lapham, M.C.I.P., R.P.P., Chief Administrative Officer

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

Issued May 11, 2020

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

Reservoir	May 31 5 Year Ave		May 31/19		May 10/20		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	87,331	19,213	87,340	19,215	89,668	19,727	96.7%
Goldstream	7,492	1,648	6,096	1,341	8,163	1,796	82.3%
Total	94,823	20,861	93,436	20,556	97,830	21,523	95.4%

2. Average Daily Demand:

For the month of May	141.3 MLD	31.09 MIGD
For week ending May 10, 2020	150.5 MLD	33.11 MIGD
Max. day May 2020, to date:	176.3 MLD	38.79 MIGD

3. Average 5 Year Daily Demand for May

Average (2015 - 2019)	153.9 MLD ¹	33.85 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day**4. Rainfall May:**

Average (1914 - 2019):	47.7 mm
Actual Rainfall to Date	7.7 mm (16% of monthly average)

5. Rainfall: Sep 1- May 10

Average (1914 - 2019):	1,520.9 mm
2019/2020	1,558.0 mm (102% of average)

6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through to September 30, 2020.
Visit www.crd.bc.ca/water for scheduling information.

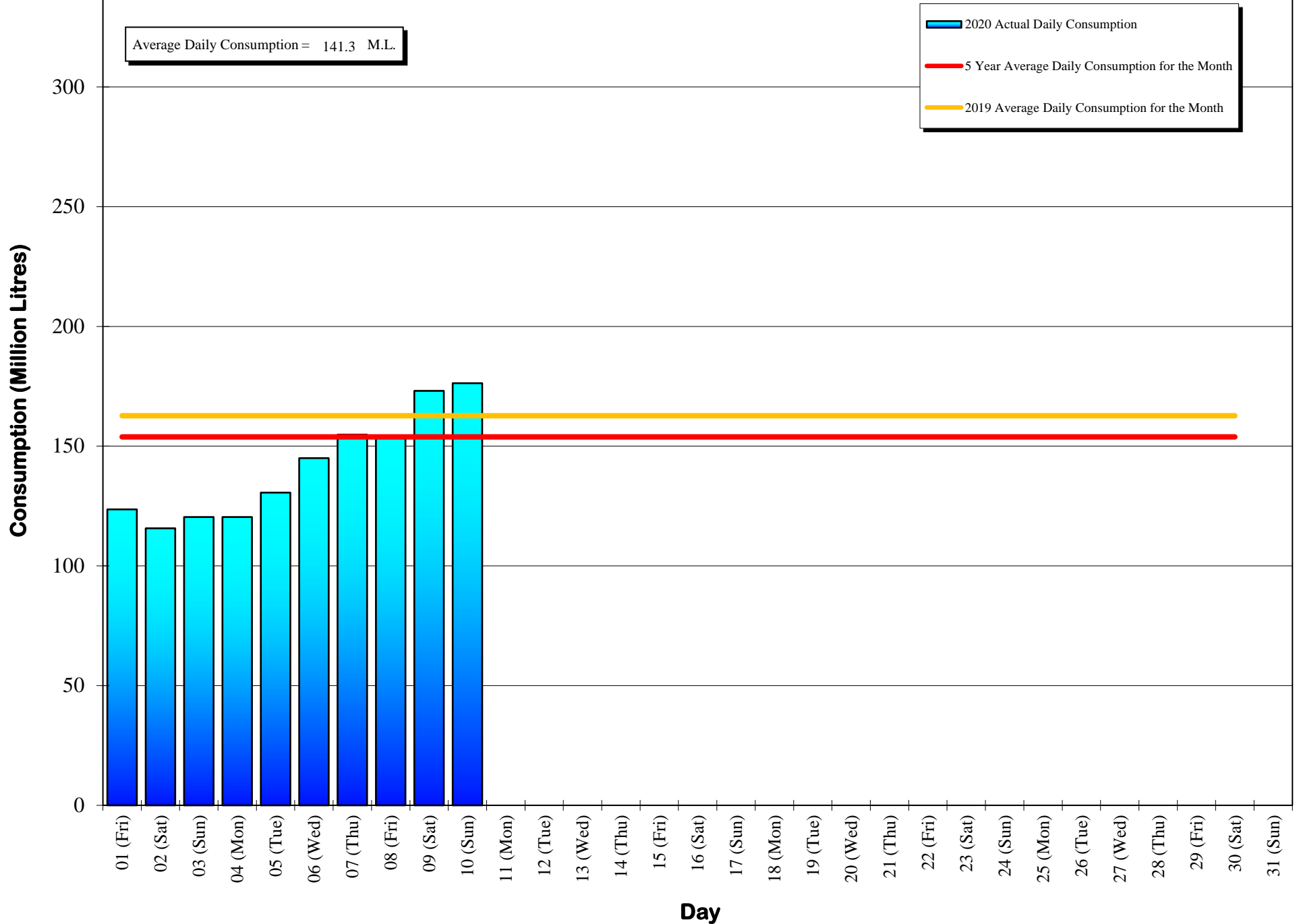
If you require further information, please contact:

Ted Robbins, B.Sc., C.Tech
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

May 2020



Daily Consumptions: - May 2020

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)	123.6		27.2	15	7	Cloudy / P. Sunny	0.0	0.0	0.0
02 (Sat)	115.7	<=Min	25.5	13	6	Cloudy / Showers / P. Sunny	2.3	0.0	2.3
03 (Sun)	120.4		26.5	13	5	Sunny / P. Cloudy / Showers	3.6	0.0	3.6
04 (Mon)	120.4		26.5	14	4	Sunny / P. Cloudy / Showers	1.5	0.0	1.5
05 (Tue)	130.6		28.7	18	5	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Wed)	145.0		31.9	14	6	Sunny	0.3	0.0	0.3
07 (Thu)	154.8		34.1	18	4	Sunny	0.0	0.0	0.0
08 (Fri)	153.3		33.7	24	8	Sunny	0.0	0.0	0.0
09 (Sat)	173.1		38.1	26	10	Sunny	0.0	0.0	0.0
10 (Sun)	176.3	<=Max	38.8	27	11	Sunny	0.0	0.0	0.0
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	1413.2 ML	310.92 MIG					7.7	0	7.7
MAX	176.3	38.79	27	11			3.6	0	3.6
AVE	141.3	31.09	18.2	6.6			0.8	0	0.8
MIN	115.7	25.46	13	4			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.

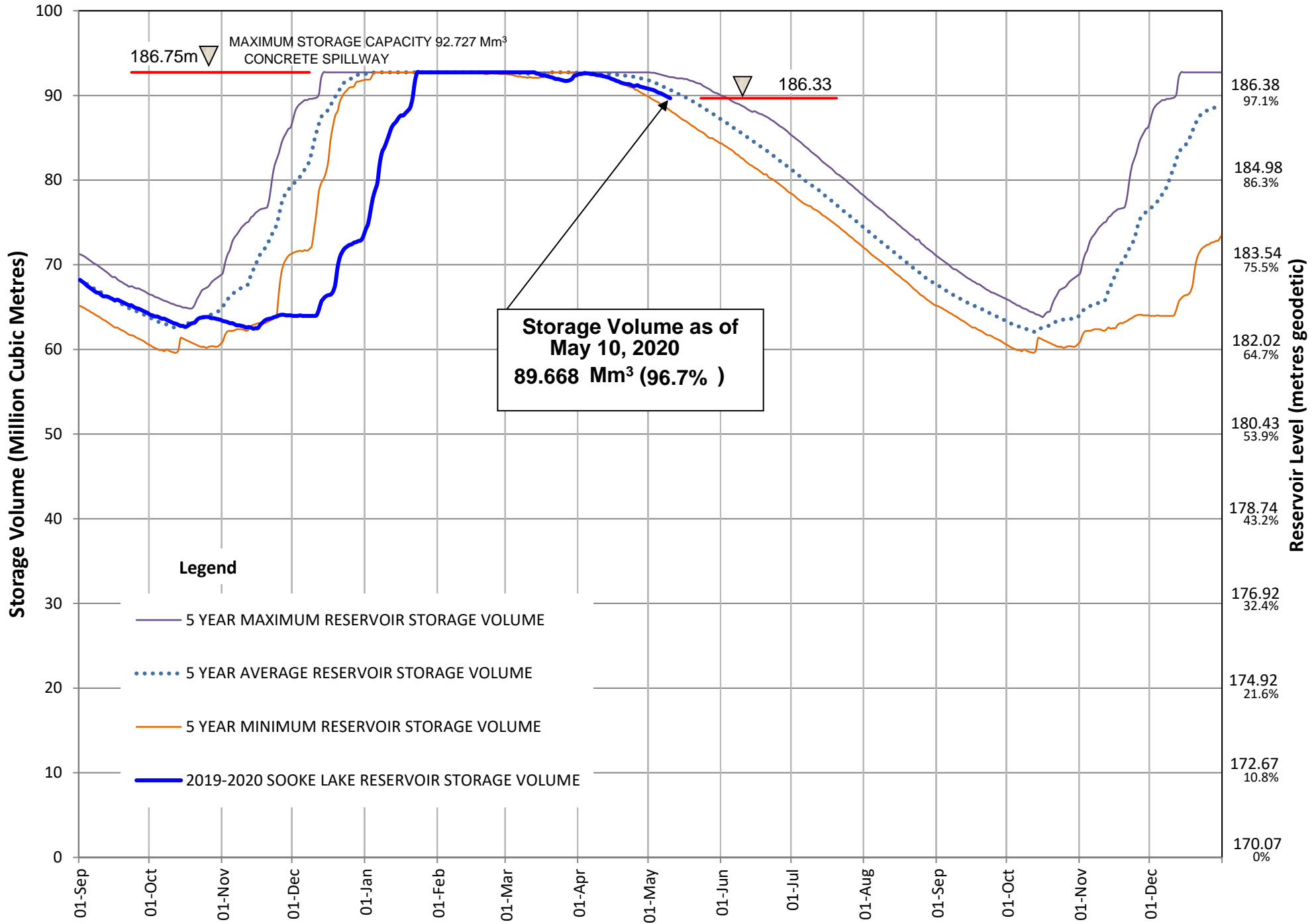
Average Rainfall for May (1914-2019)	47.7 mm
Actual Rainfall: May	7.7 mm
% of Average	16%
Average Rainfall (1914-2019): Sept 01 - May 10	1,520.9 mm
Actual Rainfall (2019/2020): Sept 01 - May 10	1,558.0 mm
% of Average	102%

Number days with precip. 0.2 or more
4

Water spilled at Sooke Reservoir to date (since Sept. 1) = 6.49 Billion Imperial Gallons
 = 29.50 Billion Litres

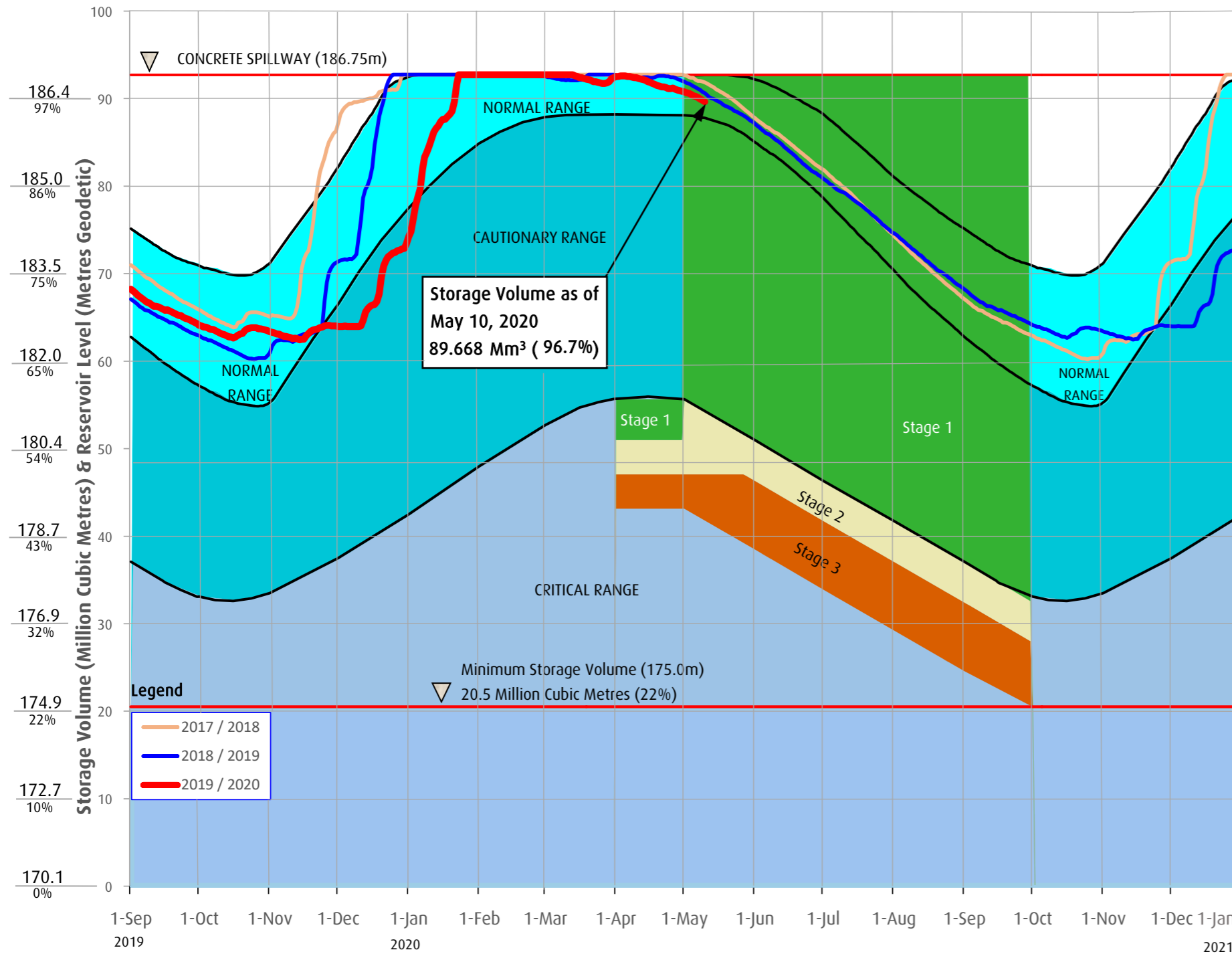
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2019 / 2020



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

CRD
Making a difference...together

Useable Reservoir Volumes in Storage for May 10, 2020

