



Making a difference...together

WATER ADVISORY COMMITTEE

Notice of Meeting on **Thursday, September 24, 2020 at 1:30 p.m.**
Capital Regional District Boardroom, 6th Floor, 625 Fisgard Street, Victoria, BC

R. Hunsinger (Chair)
J. Todd (Vice Chair)
G. Baird
E. Cote
T. Krawczyk

D. Lee
P. Lennox
C. Nowakowski
J. Rogers
K. Sander

S. Sinclair
H. Thompson
R. Barnhart
D. Timothy
M. Turner

AGENDA

1. APPROVAL OF AGENDA

2. ADOPTION OF MINUTES3

Recommendation: That the minutes of the June 25, 2020 meeting be adopted.

3. CHAIR'S REMARKS

4. PRESENTATIONS / DELEGATIONS

Presentation and delegation requests can be made [online](#) or complete this [printable form](#) (PDF). Requests must be received no later than 4:30 p.m. two calendar days prior to the meeting.

5. REGIONAL WATER SUPPLY COMMISSION BUSINESS

5.1. Summary of Regional Water Supply Commission Recommendations 8

Recommendation: That the Summary of Recommendations be received for information.

5.2. Water Watch Report..... 12

Recommendation: That the September 14 Water Watch report be received for information.

6. WATER ADVISORY COMMITTEE BUSINESS

6.1. Working Group Discussion

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

6.2. Working Group Establishment and Procedures

- 1) Long Term Water Supply and Demand Management
- 2) Water Quality
- 3) Major Capital Projects
- 4) Water Rates
 - Agriculture
 - First Nations
- 5) Water Supply Area – Land Acquisition Strategy
- 6) Dam Safety

6.3. Update on the pH and Corrosion Study

7. WATER ADVISORY COMMITTEE – EXPIRING TERMS (DECEMBER 31, 2020)

- Sandy Sinclair
- Ron Hunsinger
- David Timothy
- Pat Lennox
- Tayler Krawczyk

8. NEW BUSINESS

9. ADJOURNMENT

Meeting Schedule: Working Group Meeting - Thursday, October 22, 2020
Business Meeting – Thursday, November 26, 2020



Making a difference...together

MINUTES OF A MEETING OF THE WATER ADVISORY COMMITTEE

Held Thursday, June 25, 2020 at 1:30 p.m., 6th Floor Boardroom, 625 Fisgard Street, Victoria, BC

PRESENT: **Members:** R. Hunsinger (Chair); G. Baird; T. Krawczyk; P. Lennox; J. Rogers; S. Sinclair; D. Timothy; M. Turner
Electronic: C. Nowakowski; K. Sander; J. Todd (Vice Chair); H. Thompson
Staff: T. Robbins, General Manager; K. Wilson, Demand Management Coordinator, Water Quality; T. Duthie, Manager, Administrative Services; D. Dionne (Recorder)

REGRETS: R. Barnhart; E. Cote; D. Lee

MEMBERS OF THE PUBLIC: 1 (M. Doehnel) via teleconference

The meeting was called to order at 1:34 p.m.

1. APPROVAL OF AGENDA

Amendment: Item 6.1 report number should be **EEP 20-24** (not EEP 20-10)

MOVED by G. Baird and **SECONDED** by J. Rogers,
 That the agenda for the June 25, 2020 meeting be approved as amended.

CARRIED

2. ADOPTION OF MINUTES

Chair Hunsinger asked staff for an update regarding the Greater Victoria Water Supply Area Land Acquisition Priorities. T. Robbins advised that the recommendation and the list of items discussed at the February 27, 2020 Water Advisory Committee meeting were incorporated into a staff report and considered by Regional Water Supply Commission in closed meeting due to details of specific properties being identified within the report.

G. Baird advised that the input from the Water Advisory Committee was helpful in the discussions that took place at the Regional Water Supply Commission.

MOVED by G. Baird and **SECONDED** by K. Sander,
 That the minutes from the February 27, 2020 meeting be adopted as circulated.

CARRIED

3. CHAIR'S REMARKS

Chair Hunsinger reported that an article in the Globe & Mail noted that BC was participating in a study sponsored by the Canadian Water Network (CWN), to monitor wastewater for evidence of COVID-19 contamination. T. Robbins advised that the Capital Regional District (CRD) is assisting with that study, by providing wastewater samples from the Core Area and Saanich Peninsula, through the University of Victoria which is in partnership with the CWN.

4. PRESENTATIONS / DELEGATIONS

There were no presentations or delegations.

5. REGIONAL WATER SUPPLY COMMISSION BUSINESS

5.1. Summary of Regional Water Supply Commission Recommendations

MOVED by J. Rogers and **SECONDED** by G. Baird,
That the Summary of Regional Water Supply Commission Recommendations be
received for information.

CARRIED

5.2. Regional Water Supply Commission June 17, 2020 Agenda Package

Chair Hunsinger questioned whether Island Health had an approval process for the Annual Water Quality Report and what the regulatory requirements are as outlined in the permit for water quality. C. Nowakowski advised that the report is an account of the sampling and data for the past year and is received at Island Health for information.

T. Robbins provided some highlights regarding Regional Water Supply Commission decisions and reported on the replacement of the Intake Tower Screen and the budget amendment.

MOVED by J. Rogers and **SECONDED** by G. Baird,
That the Regional Water Supply Commission June 17, 2020 agenda package be
received for information.

CARRIED

6. COMMITTEE BUSINESS

6.1. EEP 20-10 Agriculture Water Demand Model and Land Use Inventory Report

T. Robbins introduced the report providing some background and clarified that the entire region is included in the report, but the entire region is not serviced.

K. Wilson provided a presentation on the Agricultural Water Demand Model Report. She reviewed the model and noted that it was intended to review worst case scenarios.

T. Robbins presented a water rate history and budget implications. He outlined Bylaw 2570 and the difference between the Agricultural water rate and the Retail water rate noting that municipalities track the retail demand through their billing processes.

He reviewed the Agriculture water rate table that was provided to the Committee prior to the meeting and spoke to the volume and total Agricultural demand. He noted that, while the agricultural demand rate hasn't increased, the retail demand rate continues to increase and the CRD pays the difference between the Retail rate and the Agricultural rate to municipalities.

T. Robbins reported that correspondence from the Peninsula Agriculture and Area Commission (PAAC) was received in the fall of 2019 seeking an evaluation of the funding model, equalization of rates across municipalities and to address the differentials between the municipal rates. The letter also requested standardized billing processes across the region, however the CRD cannot dictate how each municipality conducts its business. He noted that once the study has been completed the information would be forwarded to the PAAC for their consideration.

T. Robbins reviewed the recommendations noting that staff recommend continuing to provide an agriculture rate but undertake agriculture rate review and/or rate methodology to manage ever-increasing 'gap' between agriculture rate and municipal retail rate and resulting budget impact.

Discussion ensued regarding:

- Agricultural water use versus total water from municipality to municipality
- Municipal cost for maintaining the agricultural water supply through their distribution systems
- Food security and land use
- Local food and feed production
- Livestock water use
- Water used for barns/kennels etc.
- Tiered system that puts food production first
- Subsidies for food production, not hobby farms, golf courses and tree farms

MOVED by G. Baird and **SECONDED** by S. Sinclair,

That the Water Advisory Committee recommends that the Regional Water Supply Commission recommend continuing to provide an agriculture rate but undertake agriculture rate review and/or rate methodology to manage ever-increasing 'gap' between agriculture rate and municipal retail rate and resulting budget impact.

CARRIED

MOVED by J. Rogers and **SECONDED** by G. Baird,

That the Water Advisory Committee recommends to the Regional Water Supply Commission to direct staff to consult with stakeholders to gain input from and determine the impacts on the agricultural community related to the issues of food security and climate change with respect to the agricultural rate, and that the review process also consider how to better target local food and feed production in the distribution of the water subsidy.

CARRIED

MOVED by G. Baird and **SECONDED** by J. Rogers,

That the Water Advisory Committee recommends to the Regional Water Supply Commission that the Agriculture Water Demand Model report be received for information.

CARRIED

6.2. Summary of Actions Taken on the Following Items

- EEP 19-67 pH & Corrosion Study - Interim Results
- EEP 19-69 Communication Plan – pH & Corrosion Study
- EEP 20-02 Water Quality Summary Report
- EEP 20-06 Revisions to the Uni-Directional Water Distribution Main Flushing Program Schedule

There was a question whether there is a concern with hotels and businesses re-opening after a long-term closure and if there is a concern over stagnant water.

T. Robbins responded to a question regarding stagnant water concerns related to hotels and businesses being closed down and reopening due to COVID-19. He advised that staff prepared information, which includes material from the Canadian Water and Wastewater Association, to address water quality questions as a result of buildings being closed for a period of time. The information is posted to the CRD website and was also shared with the municipal distributors.

J. Todd left the meeting

T. Robbins reported that the pH & Corrosion Study has been paused, while addressing deficiencies in the liquid hypochlorite system. The deficiency work is expected to be completed by September 2020. The next step in the Study was to conduct the tap sampling pilot project and staff want to undertake the study while operating on the liquid systems completely, which has an impact on water quality results.

He reported that during the pandemic the spring flushing program was able to move to four crews at 10 hour shifts, and achieved all the spring flushing by the end of May which was about a month ahead of schedule.

MOVED by J. Rogers and **SECONDED** by G. Baird,
That the verbal report be received for information.

CARRIED

6.3. Water Watch Report

MOVED by G. Baird and **SECONDED** by K. Sander,
That the June 15, 2020 Water Watch report be received for information.

CARRIED

7. WATER ADVISORY COMMITTEE TERMS OF REFERENCE

Discussion ensued regarding:

- How to better engage Committee members in discussion of issues.
- Initiating the working groups, which would occur every other month following these regular business meetings.

- Working group meetings are an opportunity for Committee members to get together in an informal setting without staff. CRD can supply meeting space.
- Canvass Committee members for what working groups they would like to see or be part of.
- Opportunity to have a staff subject matter expert attend a working group meeting to provide guidance on an issue.

Item 8 was postponed to the next meeting.

8. WORKING GROUP DISCUSSION

8.1. 2020 Priority Initiatives

- 1) Long Term Water Supply and Demand Management
- 2) Water Quality
- 3) Major Capital Projects
- 4) Water Rates
 - Agriculture
 - First Nations
- 5) Water Supply Area – Land Acquisition Strategy
- 6) Dam Safety

8.2. Working Group Establishment and Procedures

- 1) Working Group Focus Areas and Membership
- 2) Staff Subject Matter Support
- 3) Reporting to Committee and Commission

9. NEW BUSINESS

There was no new business.

10. ADJOURNMENT

MOVED by J. Rogers and **SECONDED** by G. Baird,
That the Water Advisory Committee meeting be adjourned at 3:39 p.m.

CARRIED

CHAIR

SECRETARY



CAPITAL REGIONAL DISTRICT REGIONAL WATER SUPPLY COMMISSION
Wednesday, September 16, 2020 at 11:30 AM

MEETING HOTSHEET
(ACTION LIST)

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.

2. APPROVAL OF AGENDA

3. ADOPTION OF MINUTES

That the minutes of the July 15, 2020 meeting be adopted.

CARRIED

8. COMMISSION BUSINESS

8.1. Remediation of Leech Water Supply Area Gravel Pit – Completion of Certificate of Compliance

That this report be received for information, and that staff be directed not to pursue a Certificate of Compliance for the site.

CARRIED

8.2. RWSC 20-07 August 17, 2020 Lightning Strike Wildfires in the Greater Victoria Water Supply Area

That this report be received for information.

CARRIED

8.3. Summary of Recommendations from Other Water Commissions

That the Summary of Recommendations from Other Water Commissions be received for information.

CARRIED

8.4. Water Watch Report

That the September 8, 2020 Water Watch report be received for information.

CARRIED



CAPITAL REGIONAL DISTRICT REGIONAL WATER SUPPLY COMMISSION
Wednesday, July 15, 2020 at 11:30 AM

MEETING HOTSHEET
(ACTION LIST)

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.

2. APPROVAL OF AGENDA

That the correspondence from M. Doehnel regarding the Agricultural Study be added to the agenda as Item 8.1.2.

CARRIED

3. ADOPTION OF MINUTES

That the minutes of the June 17, 2020 meeting be adopted.

CARRIED

4. APPROVAL OF RESOLUTION

1. That this resolution applies to the Regional Water Supply Commission for the meetings being held between July 1, 2020 and December 31, 2020.
2. That the attendance of the public at the place of the meeting cannot be accommodated in accordance with the applicable requirements or recommendations under the *Public Health Act*, despite the best efforts of the Regional Water Supply Commission, because:
 - a. The available meeting facilities cannot accommodate more than 38 people in person, including members of the Regional Water Supply Commission and staff, and
 - b. There are no other facilities presently available that will allow physical attendance of the Regional Water Supply Commission and the public in sufficient numbers; and
3. That the Regional Water Supply Commission is ensuring openness, transparency, accessibility and accountability in respect of the open meeting by the following means:
 - a. By allowing the public to hear or participate via teleconference or electronic meeting software,
 - b. By allowing the public to see and hear the live webcasting of the meeting on the CRD website,
 - c. By providing notice of the meeting in newspaper or local notice Board, including the methods for providing written or electronic submissions,
 - d. By making the meeting agenda, as well as the other relevant documents, available on the CRD website, and directing interested persons to the website by means of the notices provided in respect of the meeting,

To ensure a quorum, advise Denise at 250.360.3087 if you or your alternate cannot attend.

- e. By strongly encouraging the provision of, and subsequently receiving and distributing to members, written correspondence from the public in advance of the meeting, and
- f. By making the minutes of the meeting available on the CRD website following the meeting.

That the Regional Water Supply Commission adopt the resolution as presented.

CARRIED

7. WATER ADVISORY COMMITTEE REPORT

7.2. Draft Minutes of the June 25, 2020 Water Advisory Committee Meeting

That the Regional Water Supply Commission receive the Draft Minutes for information.

CARRIED

8. COMMISSION BUSINESS

8.1. RWSC 20-05 Remediation of Leech Water Supply Area Gravel Pit

That the Regional Water Supply Commission receive the report for information.

CARRIED

That the Regional Water Supply Commission directs staff to review the costs and process for moving forward with a Certificate of Completion to remove the site from the contaminated sites list and report back to the Commission.

CARRIED

8.2. EEP 20-29 Review of the Agricultural Water Subsidy Rate and Rate Methodology

The Regional Water Supply Commission recommends:

That staff be directed to maintain the current agricultural water rate for the 2021 budget year, and undertake an agricultural rate review that considers the current rate, rate model and rate application, the implications of these elements, and presents rate/rate model options for the Commission's consideration.

CARRIED

8.3. Summary of Recommendations from Other Water Commissions

That the Summary of Recommendations from Other Water Commissions be received for information.

CARRIED

8.4. Water Watch Report

That the July 6, 2020 Water Watch report be received for information.

CARRIED

9. NOTICE OF MOTION

9.1. Request for a Review and Update of Bylaw No. – Commissioner St-Pierre

BE IT RESOLVED that the Regional Water Supply Commission recommends that the Electoral Area Services Committee recommends to the CRD Board:

That staff be requested to review and update the building bylaw 3780 with respect to onsite water collection to align with the CSA B805-18 Canadian National Rainwater Harvesting Standard.

CARRIED

11. MOTION TO CLOSE THE MEETING

In accordance with the Community Charter, Part 4, Division 3, 90(1)(e) the acquisition, disposition or expropriation of land or improvements.

CARRIED

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued September 14, 2020

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	September 30 5 Year Ave		September 30/19		September 13/20		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	63,429	13,954	64,289	14,144	66,541	14,639	71.8%
Goldstream	5,377	1,183	4,117	906	6,562	1,444	66.2%
Total	68,806	15,137	68,406	15,049	73,103	16,083	71.3%

2. Average Daily Demand:

For the month of September	189.0 MLD	41.58 MIGD
For week ending September 13, 2020	190.7 MLD	41.95 MIGD
Max. day September 2020, to date:	216.1 MLD	47.55 MIGD

3. Average 5 Year Daily Demand for September

Average (2015 - 2019)	141.9 MLD ¹	31.22 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall September:

Average (1914 - 2019):	64.7 mm
Actual Rainfall to Date	0.0 mm (0% of monthly average)

5. Rainfall: Sep 1- Sep 13

Average (1914 - 2019):	21.6 mm
2019/2020	0.0 mm (0% of average)

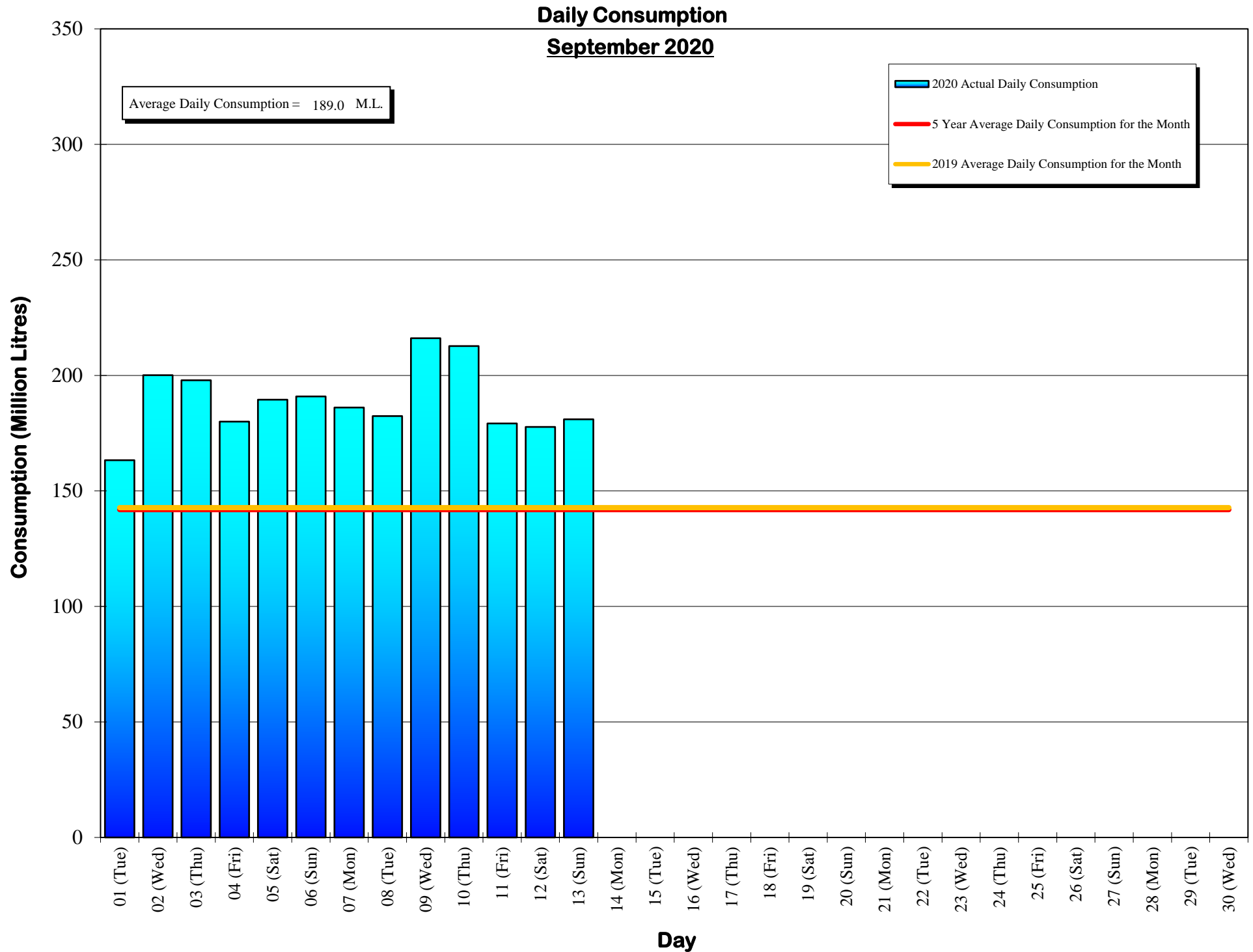
6. Water Conservation Action Required:

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 Consumptions: - September 2020

Date	Total Consumption		Air Temperature @ Japan Gulch		Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am			
	(ML) ¹		(MIG) ²			Rainfall (mm)	Snowfall ³ (mm)	Total Precip.	
01 (Tue)	163.3	<=Min	35.9	24	11	Sunny	0.0	0.0	0.0
02 (Wed)	200.1		44.0	24	13	Sunny	0.0	0.0	0.0
03 (Thu)	197.9		43.5	25	13	Sunny	0.0	0.0	0.0
04 (Fri)	180.0		39.6	28	14	Sunny	0.0	0.0	0.0
05 (Sat)	189.5		41.7	22	14	Sunny	0.0	0.0	0.0
06 (Sun)	190.9		42.0	24	13	Sunny	0.0	0.0	0.0
07 (Mon)	186.1		40.9	26	14	Sunny	0.0	0.0	0.0
08 (Tue)	182.4		40.1	25	13	Sunny / Hazy skies	0.0	0.0	0.0
09 (Wed)	216.1	<=Max	47.5	29	13	Sunny	0.0	0.0	0.0
10 (Thu)	212.7		46.8	30	14	Sunny	0.0	0.0	0.0
11 (Fri)	179.2		39.4	25	14	Sunny	0.0	0.0	0.0
12 (Sat)	177.7		39.1	16	11	Wildfire smoke	0.0	0.0	0.0
13 (Sun)	181.0		39.8	17	10	Wildfire smoke	0.0	0.0	0.0
14 (Mon)									
15 (Tue)									
16 (Wed)									
17 (Thu)									
18 (Fri)									
19 (Sat)									
20 (Sun)									
21 (Mon)									
22 (Tue)									
23 (Wed)									
24 (Thu)									
25 (Fri)									
26 (Sat)									
27 (Sun)									
28 (Mon)									
29 (Tue)									
30 (Wed)									
TOTAL	2456.9 ML		540.52 MIG				0.0	0	0.0
MAX	216.1		47.55	30	14		0.0	0	0.0
AVG	189.0		41.58	24.2	12.8		0.0	0	0.0
MIN	163.3		35.93	16	10		0.0	0	0.0

1. ML = Million Litres

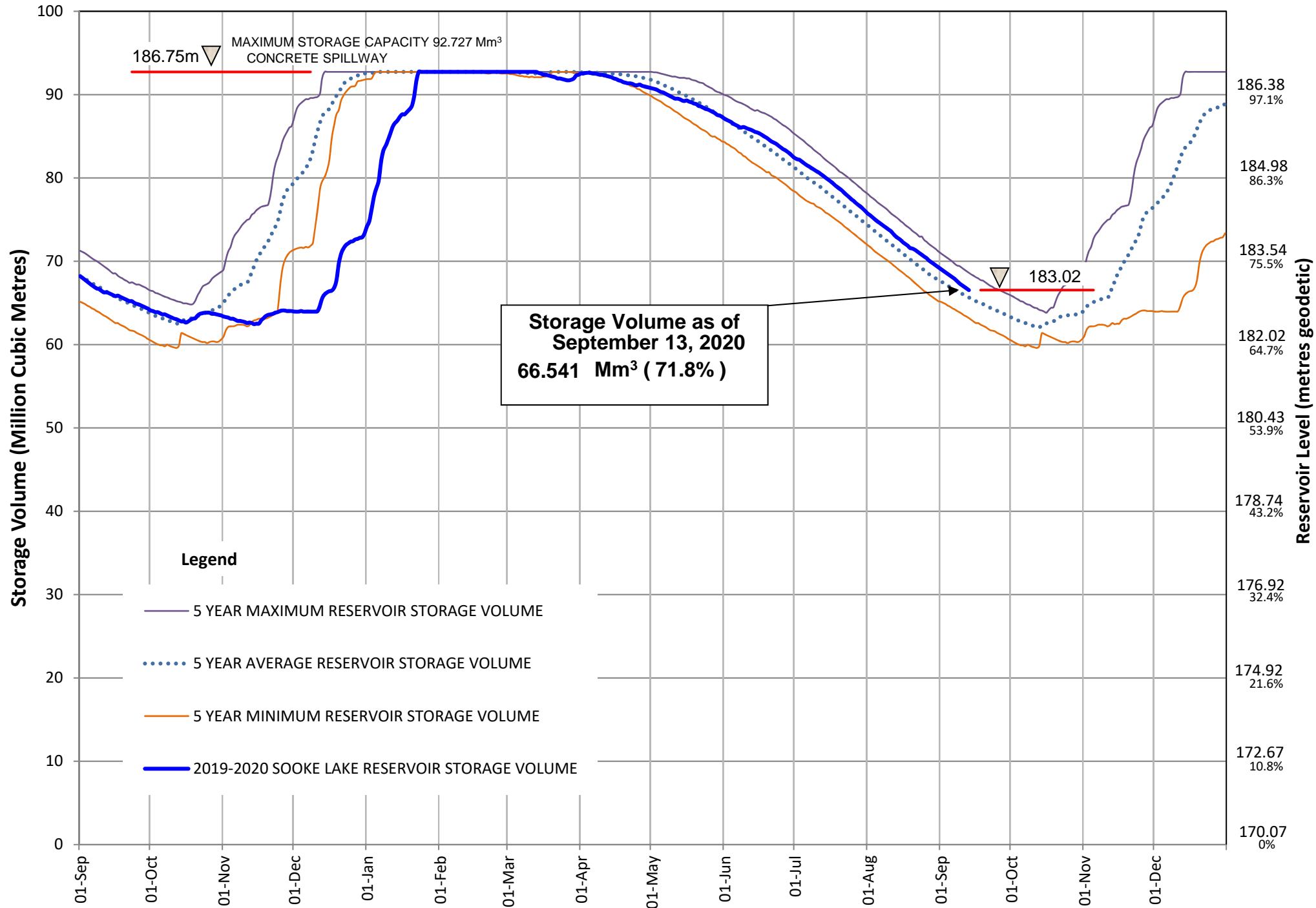
2. MIG = Million Imperial Gallons

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

Average Rainfall for September (1914-2019)	64.7 mm
Actual Rainfall: September	0.0 mm
% of Average	0%
Average Rainfall (1914-2019): Sept 01 - Sep 13	21.6 mm
Actual Rainfall (2020): Sept 01 - Sep 13	0.0 mm
% of Average	0%

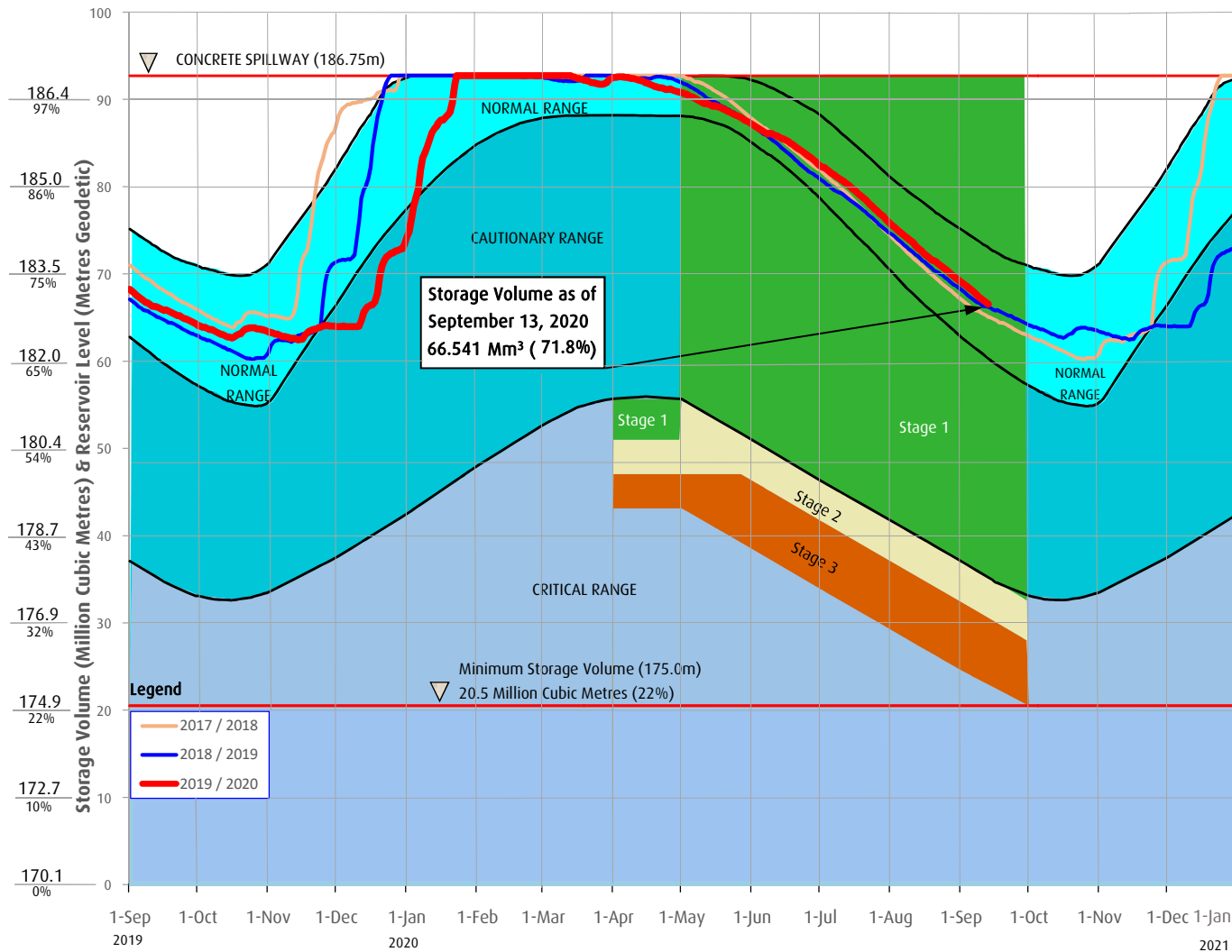
Number days with precip. 0.2 or more
0

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



Useable Reservoir Volumes in Storage for September 13, 2020

