



Making a difference...together

JUAN DE FUCA WATER DISTRIBUTION COMMISSION
Notice of Meeting on **Tuesday, September 7, 2021 at 12 pm**
Goldstream Room, 479 Island Highway, Victoria, 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.

- | | |
|----------------------|----------------|
| G. Logan (Chair) | K. Kahakauwila |
| J. Rogers (V. Chair) | E. Logins |
| G. Baird | L. Szpak |
| M. Hicks | R. Wade |

AGENDA

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

Recommendation: That the minutes of the July 6, 2021 meeting be adopted.

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

This meeting will be held without the public present. A phone in number is provided above that will allow the public to listen to the meeting.

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.

- 6. GENERAL MANAGER’S REPORT**
- 6.1. Water Supply Outlook [Verbal]**

- 7. COMMISSION BUSINESS**
- 7.1. Rocky Point Water Upgrades Tender – Recommendation to Award7**

Recommendation: That the Juan de Fuca Water Distribution Commission approves the award of Contract 2019-537, Rocky Point Water Upgrades, to Industra Construction Corp. in the amount of \$7,927,793.44 plus GST.

*To ensure quorum, advise **DENISE DIONNE, 250-360-3087** if you cannot attend.*

7.2. Summary of Other Water Commission Recommendations.....11

Recommendation: That the summary of other water commission recommendations be received for information.

7.3. Water Watch Report13

Recommendation: That the August 30, 2021 water watch report be received for information.

8. NOTICE(S) OF MOTION

9. NEW BUSINESS

10. ADJOURNMENT

Next Meeting: Tuesday, October 5, 2021



Making a difference...together

MINUTES OF A MEETING OF THE Juan de Fuca Water Distribution Commission, held Tuesday, July 6, 2021 at 12 p.m., Goldstream Meeting Room, 479 Island Highway, Victoria, BC

PRESENT: Commissioners: G. Logan (Chair) (EP); J. Rogers (V. Chair) (EP); G. Baird (EP); M. Hicks (EP); K. Kahakauwila (EP); E. Logins (EP); L. Szpak
Staff: T. Robbins, General Manager; I. Jesney, Senior Manager, Infrastructure Engineering; J. Marr, Manager, Water Distribution & Planning; D. Dionne, Administrative Coordinator (Recorder)

REGRETS: R. Wade

EP = Electronic Participation

The meeting was called to order at 12:02 p.m.

1. TERRITORIAL ACKNOWLEDGEMENT

Chair Logan provided the Territorial Acknowledgement.

2. APPROVAL OF AGENDA

The following items were added to the agenda under New Business:

- 9.1 Florence Lake Improvement District Conversion Update
- 9.2 Water Delivery Issues

MOVED by Commissioner Kahakauwila, **SECONDED** by Commissioner Baird,
That the agenda be approved as amended.

CARRIED

3. ADOPTION OF MINUTES

MOVED by Commissioner Szpak, **SECONDED** by Commissioner Baird,
That the minutes of the June 1, 2021 meeting be adopted.

CARRIED

4. CHAIR'S REMARKS

Chair Logan stated that this would be the last Commission meeting for the summer and wished everyone a safe and enjoyable summer advising to be cautious outside with the very hot and dry weather conditions.

5. PRESENTATIONS/DELEGATIONS

There were none.

6. GENERAL MANAGER'S REPORT

6.1. Water Supply Outlook [Verbal]

T. Robbins stated that the high temperatures since June 20 has caused an increase in water demand, with a total 24 hour consumption peak on June 27, the highest on record. A number of factors resulted in this peak including the extreme demands due to the hot weather and it being an irrigation day as stated in the bylaw. The supply and distribution systems have been handling demands.

There was one issue on the Saanich Peninsula where the Cloak Hill reservoir struggled to maintain adequate storage levels for about two days at the end of June. Communication to the public was issued, through the cooperation of the North Saanich public works staff. Also BC Ferries assisted by filling its boats at Tsawaassen instead of Swartz Bay.

The Sooke Lake reservoir is at 85.1% of storage capacity, which is only down a couple of percent from average.

E. Logins joined the meeting.

Discussion ensued regarding:

- Goldstream dam storage.
- Water availability for release to supplement fish in the Goldstream River.
- Public communication regarding conservation efforts to support fisheries.

7. COMMISSION BUSINESS

7.1. Proposed Seagirt Improvement District (SID) Conversion

T. Robbins introduced the report and noted the following:

- The water system in the Seagirt Improvement District is aging and in need of infrastructure upgrades.
- The existing infrastructure needs to be completely renewed as outlined in Appendix C.
- The distribution system has been failing and is small 4 millimeter concrete pipe.
- The estimated value of the upgrades is \$1.9 million.
- The Capital Regional District (CRD) could apply for grants on behalf of the SID.

Discussion ensued regarding:

- Available money from the Juan de Fuca community works funds
- Improvement District customers would be fully responsible for all costs, even if it exceeds the \$1.9 million. Juan de Fuca customers would not bear any of the costs.
- Once everything has been replaced, maintenance would be minimal.
- The benefits to the community of having 12 hydrants installed.

MOVED by Commissioner Hicks, **SECONDED** by Commissioner Baird,
That the Juan de Fuca Water Distribution Commission recommends that the Capital Regional District Board direct staff to:

1. Commence a service conversion process with the Province to convert the Seagirt Improvement District (SID) to a Capital Regional District (CRD) service which, when concluded, would result in incorporating the SID water infrastructure into the Juan de Fuca Water Distribution Service; and establishing a new service for the purpose of CRD financing of the infrastructure improvements required as a condition of conversion, and dissolving the SID; and
2. Apply for any available conversion or infrastructure grants on SID's behalf.

CARRIED

7.2. Summary of Other Water Commission Recommendations

MOVED by Commissioner Rogers, **SECONDED** by Commissioner Kahakauwila, That the summary of other water commission recommendations be received for information.

CARRIED

7.3. Water Watch Report

MOVED by Commissioner Kahakauwila, **SECONDED** by Commissioner Rogers, That the June 28, 2021 water watch report be received for information.

CARRIED

8. NOTICE(S) OF MOTION

There were none.

9. NEW BUSINESS

9.1. Florence Lake Improvement District Conversion Update

T. Robbins provided a verbal update on the progress of the Florence Lake Improvement District conversion. He noted the following:

- The Alternative Approval Process completed, with no one in opposition.
- The Inspector of Municipalities has provided approval.
- The Bylaw is going to the July 14, 2021 CRD Board for approval.
- Once the Bylaw is approved staff can proceed with financing the \$300,000 improvements.

9.2. Water Delivery Issues

Commissioner Hicks raised a concern regarding the number of complaints he has received due to a water delivery service that recently changed ownership. He noted that people have been waiting up to a week and a half for water delivery.

Commissioner Baird stated that he recently spoke with the new owners and they advised that they are bringing on three additional trucks and increasing their fleet up to 13 trucks, with plans to expand their water delivery service.

10. ADJOURNMENT

MOVED by Commissioner Kahakauwila, **SECONDED** by Commissioner Szpak,
That the July 6, 2021 meeting be adjourned at 12:30 p.m.

CARRIED

CHAIR

SECRETARY

DRAFT



**REPORT TO JUAN DE FUCA WATER DISTRIBUTION COMMISSION
MEETING OF TUESDAY, SEPTEMBER 7, 2021**

SUBJECT Rocky Point Water Upgrades Tender – Recommendation to Award

ISSUE SUMMARY

To seek the Juan de Fuca Water Distribution Commission’s (Commission) approval to award a contract for the Rocky Point Water Upgrades project.

BACKGROUND

The Rocky Point Water Upgrades project is part of the Juan de Fuca Water Distribution System (JDF) capital plan (Project 18-05). The scope of the project is shown on Appendix A, attached, but is generally comprised of:

- Construct a new 1,700 cubic metre Deer Park reservoir.
- Upgrade of the Deer Park pump station.
- Replacement of the Rocky Point pump station.
- Construct a new Deer Park pressure reducing station.
- Replacement of approximately 560 metres of 200 millimeter (mm) diameter (dia.) Asbestos Cement (AC) water main with 250 mm dia. Polyvinyl Chloride (PVC) water main.
- Installation of approximately 440 metres of 300 mm dia. ductile iron water main, 1,625 metres of 300 mm dia. PVC water main and 1,625 metres of 75 mm dia. High Density Polyethylene (HDPE) water main.

The total project budget as per the capital plan is \$9,314,000. A breakdown of budget components is as follows:

Project Name & Budget No.	Engineering Design Phase Budget	Engineering Construction Phase Budget	Construction Budget	Total Budget
Rocky Point Water Upgrades No. 18-05	\$408,000	\$367,000	\$8,539,000	\$9,314,000

This project is cost-shared with the Federal government and in March of 2021, the Capital Regional District (CRD) entered into a Contribution Agreement with the Department of National Defence (DND) to provide additional funding for construction and construction phase engineering services. The total budget is funded as follows:

- CRD - \$3,550,000
- DND - \$5,764,000

These funding amounts include consulting engineering services during design and construction, construction and CRD staff time. In addition, as part of the agreement, DND has prepaid \$3,030,819 to the CRD for project construction related costs in addition to funding already provided for the Engineering Design Phase.

Two valid tenders for the construction were received on August 12, 2021 as follows:

1. Industra Construction Corp. - \$7,927,793.44 + GST
2. BD Hall Constructors Corp. - 11,705,921.13 + GST

The project consultant, Stantec, reviewed the Industra tender and deemed them to be qualified to deliver the project. The tendered amount is within the allocated construction budget for the project.

As the delegated signing authority limit for the Chief Administrative Officer is \$5 million, the Commission's approval to award the contract is required.

ALTERNATIVES

Alternative 1

That the Juan de Fuca Water Distribution Commission approves the award of Contract 2019-537, Rocky Point Water Upgrades, to Industra Construction Corp. in the amount of \$7,927,793.44 plus GST.

Alternative 2

That the Juan de Fuca Water Distribution Commission not approve the award of Contract 2019-537, Rocky Point Water Upgrades, to Industra Construction Corp. and direct staff to cancel or retender the project.

IMPLICATIONS

Intergovernmental and Financial

Should the tender not be awarded, the Contribution Agreement with DND may be at risk which could have a negative impact on funding within the service as well as negatively impacting the relationship with DND.

Service Delivery

Should the tender not be awarded, improvements planned for the Rocky Point area will be delayed with potential service delivery impacts due to the age of the pump station as well as capacity limit issues due to increased demand requests.

CONCLUSION

The Rocky Point Water Upgrades Tender is ready to be awarded to Industra Construction Corp. in the amount of \$7,927,793.44 plus GST. The Tender has been reviewed and it complies with the tender requirements and Industra Construction Corp. is deemed qualified to undertake the project. There is sufficient budget available through a Contribution Agreement with DND. The delegated signing authority limit for the Chief Administrative Officer is \$5 million, therefore approval of the award of contract by the Juan de Fuca Water Distribution Commission is required.

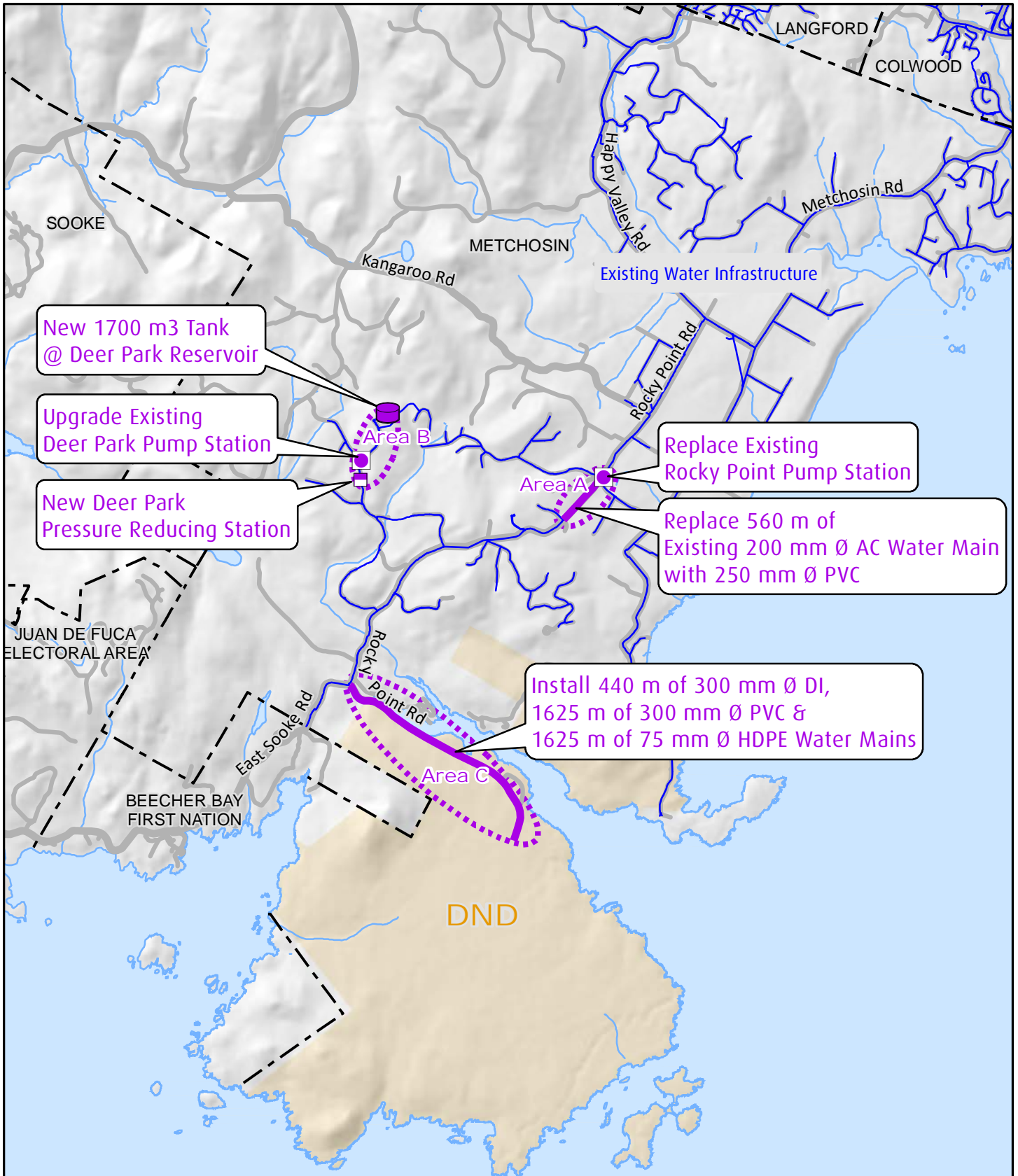
RECOMMENDATION

That the Juan de Fuca Water Distribution Commission approves the award of Contract 2019-537, Rocky Point Water Upgrades, to Industra Construction Corp. in the amount of \$7,927,793.44 plus GST.

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

ATTACHMENT

Appendix A: Rocky Point Water Upgrades - 2021



0 250 500 1,000 1,500 Metres

UTM Zone 10N NAD 1983



Rocky Point Water Upgrades - 2021



DISCLAIMER

This map is for general information only and may contain inaccuracies.
January 2021 | 2021JdFMajorUpgrades-RockyPoint.mxd | helpdesk@crd.bc.ca



Making a difference...together

REGIONAL WATER SUPPLY COMMISSION
Wednesday, July 21, 2021 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.

3. ADOPTION OF MINUTES

That the minutes of the June 16, 2021 meeting be adopted.

CARRIED

7. WATER ADVISORY COMMITTEE BUSINESS

7.1. Draft Minutes of the June 22, 2021 Water Advisory Committee Special Meeting

That the Draft Minutes of the June 22, 2021 Water Advisory Committee special meeting be received for information.

CARRIED

8. COMMISSION BUSINESS

8.1. Regional pH and Corrosion Study Update

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

CARRIED

8.2. Greater Victoria Water Supply Area Wildlife Program

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

CARRIED

8.3. Water Conservation Initiative – Once Through Cooling Project

That staff be directed to:

1. Continue with the Regional Water Supply Demand Management Program Outreach, specifically the commercial sector based free water use assessments, that provide custom business cases for the replacement of inefficient fixtures, including once-through cooling equipment; and

CARRIED

That staff be directed to:

2. Include a once-through cooling equipment replacement rebate program in the 2022-2026 budgets, in the amount of \$20,000 per year.

CARRIED

**Opposed: Baird, Young, Stock, Duncan,
Harper, Morrison, Mersereau, De Vries**

Motion Arising:

That staff recommend a program of reduced rebates to fit within the approved \$20,000 per year budget.

CARRIED

Opposed: Duncan

Staff to follow up on whether new once-through cooling units continue to be installed.

G. Harris

8.4. Summary of Recommendations from Other Water Commissions

That the summary of recommendations from other water commissions be received for information.

CARRIED

8.5. Water Watch Report

That the July 12, 2021 water watch report be received for information.

CARRIED

9. NOTICE(S) OF MOTION

9.1. Motion with Notice (June 16, 2021) – Commissioner Isitt

That the Regional Water Supply Commission direct staff to provide a report, in a closed meeting, on land acquisition priorities.

CARRIED

11. MOTION TO CLOSE THE MEETING

That the meeting be closed for Legal Advice in accordance with Section 90 (1)(i) of the Community Charter.

CARRIED

12. RISE AND REPORT

The Commission rose from its closed session without report.

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued August 30, 2021

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	August 31 5 Year Ave		August 31/20		August 29/21		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	68,342	15,035	69,288	15,243	65,081	14,318	70.2%
Goldstream	5,795	1,275	6,728	1,480	7,164	1,576	72.3%
Total	74,137	16,310	76,016	16,724	72,245	15,894	70.4%

2. Average Daily Demand:

For the month of August	209.6 MLD	46.12 MIGD
For week ending August 29, 2021	196.7 MLD	43.27 MIGD
Max. day August 2021, to date:	252.2 MLD	55.49 MIGD

3. Average 5 Year Daily Demand for August

Average (2016 - 2020)	196.9 MLD ¹	43.33 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall August:

Average (1914 - 2020):	29.3 mm
Actual Rainfall to Date	6.9 mm (24% of monthly average)

5. Rainfall: Sep 1- Aug 29

Average (1914 - 2020):	1,631.4 mm
2020/2021	1,615.3 mm (99% of average)

6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through to September 30, 2021.
Visit our website at www.crd.bc.ca/water for scheduling information.

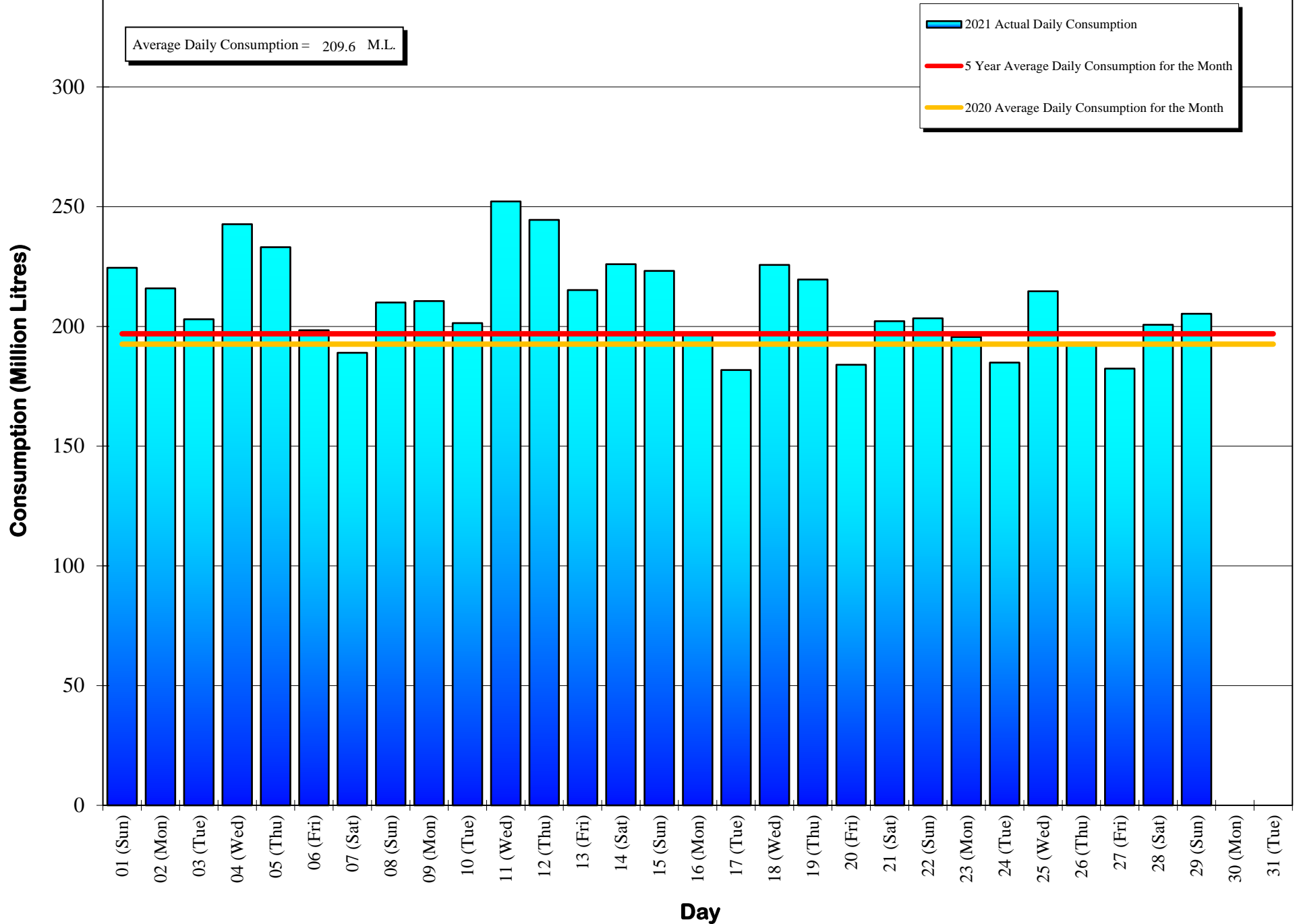
If you require further information, please contact:

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

August 2021



Daily Consumptions: - August 2021

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 (Sun)	224.5		49.4	29	16	Sunny / Hazy	0.0	0.0	0.0
02 (Mon)	215.9		47.5	28	14	Sunny / Hazy	0.0	0.0	0.0
03 (Tue)	203.0		44.7	32	16	Sunny / Hazy	0.0	0.0	0.0
04 (Wed)	242.7		53.4	31	14	Sunny	0.0	0.0	0.0
05 (Thu)	233.1		51.3	29	17	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Fri)	198.4		43.6	24	15	Sunny / P. Cloudy / Showers	0.5	0.0	0.5
07 (Sat)	189.0		41.6	22	13	Cloudy / Showers / P. Sunny	4.6	0.0	4.6
08 (Sun)	210.0		46.2	23	14	Sunny / P. Cloudy	0.0	0.0	0.0
09 (Mon)	210.6		46.3	24	13	Sunny / P. Cloudy	0.0	0.0	0.0
10 (Tue)	201.4		44.3	28	15	Sunny	0.0	0.0	0.0
11 (Wed)	252.2	<=Max	55.5	32	17	Sunny	0.0	0.0	0.0
12 (Thu)	244.5		53.8	35	18	Sunny / Hazy	0.0	0.0	0.0
13 (Fri)	215.2		47.3	33	19	Sunny / Hazy	0.0	0.0	0.0
14 (Sat)	226.0		49.7	31	19	Sunny / Hazy	0.0	0.0	0.0
15 (Sun)	223.2		49.1	32	14	Sunny	0.0	0.0	0.0
16 (Mon)	196.6		43.3	21	13	Cloudy	0.0	0.0	0.0
17 (Tue)	181.8	<=Min	40.0	24	13	Sunny / P. Cloudy	0.0	0.0	0.0
18 (Wed)	225.7		49.7	23	12	Sunny	0.0	0.0	0.0
19 (Thu)	219.6		48.3	25	14	Sunny / P. Cloudy	0.0	0.0	0.0
20 (Fri)	184.0		40.5	19	14	Sunny / P. Cloudy	0.0	0.0	0.0
21 (Sat)	202.2		44.5	21	14	Sunny / P. Cloudy	0.0	0.0	0.0
22 (Sun)	203.4		44.8	19	12	Sunny / P. Cloudy	0.0	0.0	0.0
23 (Mon)	195.6		43.0	20	11	Sunny / P. Cloudy	0.0	0.0	0.0
24 (Tue)	184.9		40.7	24	10	Sunny	0.0	0.0	0.0
25 (Wed)	214.7		47.2	24	11	Sunny / P. Cloudy	0.0	0.0	0.0
26 (Thu)	193.2		42.5	17	13	Cloudy / Showers	1.8	0.0	1.8
27 (Fri)	182.4		40.1	21	13	Sunny	0.0	0.0	0.0
28 (Sat)	200.7		44.2	24	11	Sunny	0.0	0.0	0.0
29 (Sun)	205.3		45.2	25	12	Sunny	0.0	0.0	0.0
30 (Mon)									
31 (Tue)									
TOTAL	6079.8 ML	1337.61 MIG					6.9	0	6.9
MAX	252.2	55.49	35	19			4.6	0	4.6
AVG	209.6	46.12	25.5	14.0			0.2	0	0.2
MIN	181.8	39.99	17	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.

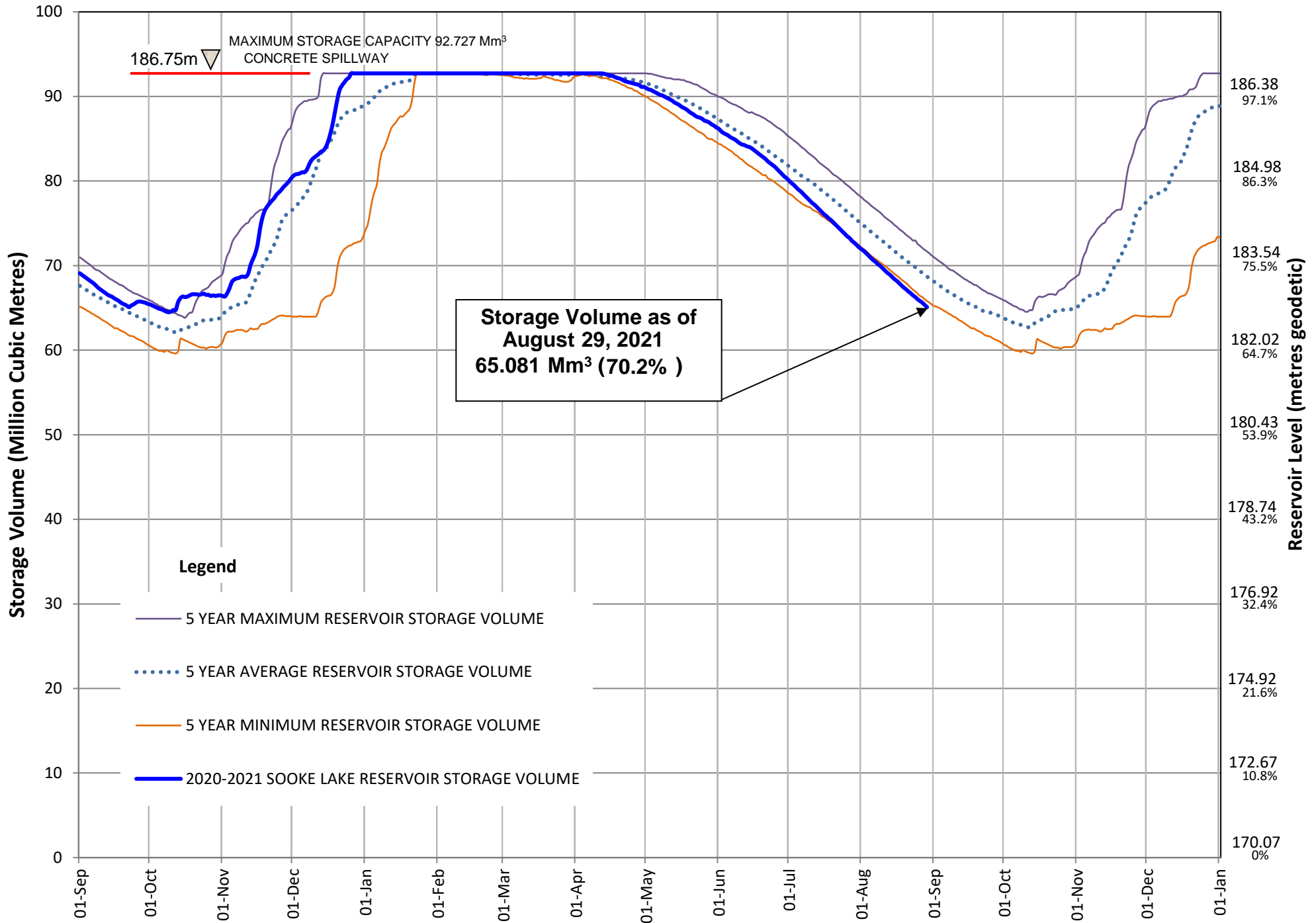
Average Rainfall for August (1914-2020)	29.3 mm
Actual Rainfall: August	6.9 mm
% of Average	24%
Average Rainfall (1914-2020): Sept 01 - Aug 29	1,631.4 mm
Actual Rainfall (2020/2021): Sept 01 - Aug 29	1,615.3 mm
% of Average	99%

Number days with precip. 0.2 or more
3

Water spilled at Sooke Reservoir to date (since Sept. 1) = **8.02 Billion Imperial Gallons**
= **36.50 Billion Litres**

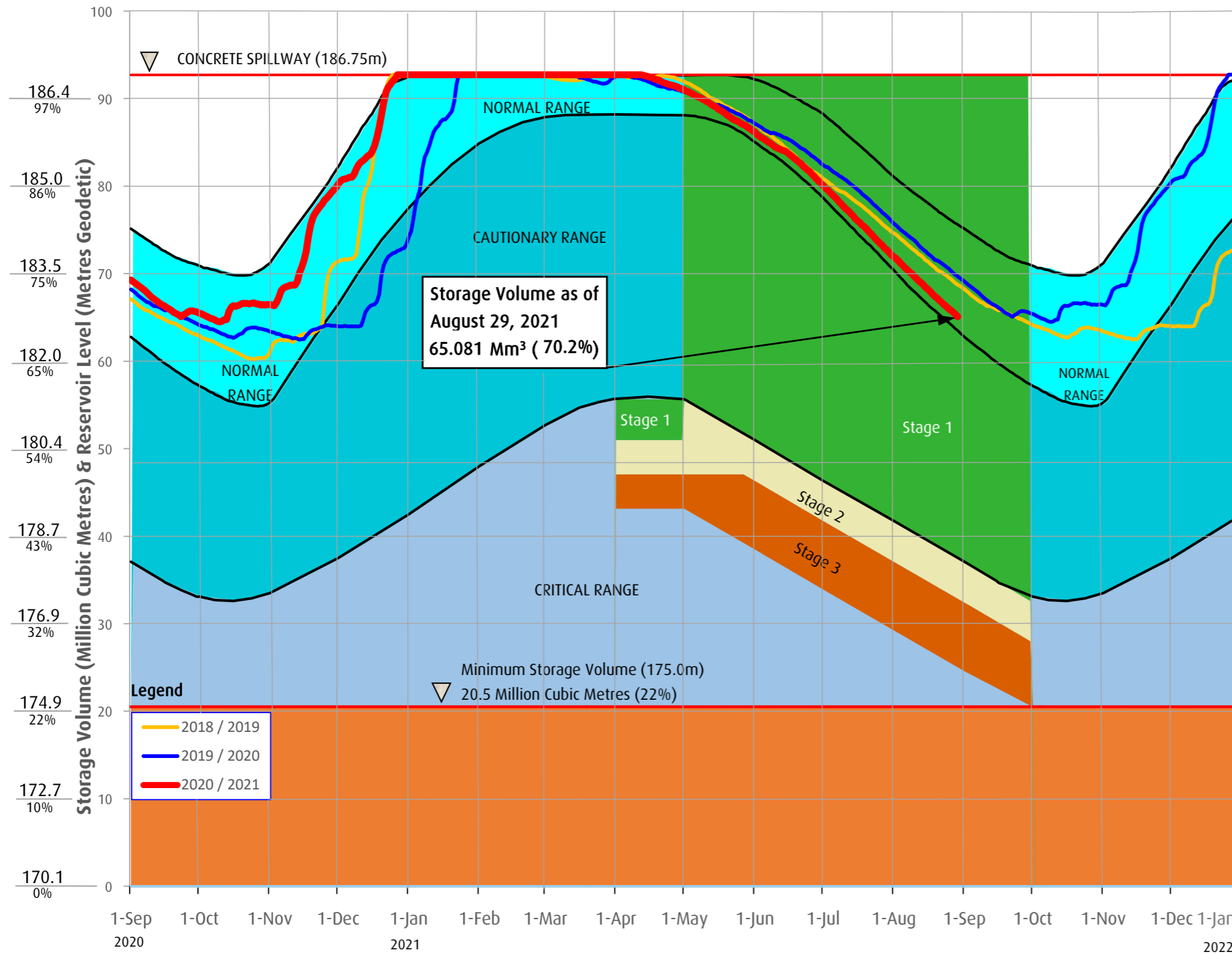
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2020 / 2021



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 August 29, 2021

