



Making a difference...together

SAANICH PENINSULA WATER COMMISSION

Notice of Meeting on **Thursday, May 19, 2022 at 9:30 a.m.**

Meeting Room #6 Greenglade Community Centre, 2151 Lannon Way, 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)

M. Doehnel (Vice Chair)

S. Duncan

D. Halldorson

W. Helgason

Z. King

T. Lomas

C. McNeil-Smith

G. Orr

M. Weisenberger

R. Windsor

AGENDA

1. TERRITORIAL ACKNOWLEDGEMENT

2. APPROVAL OF AGENDA

3. ADOPTION OF MINUTES3

Recommendation: That the minutes of the January 20, 2022 meeting be adopted.

4. CHAIR'S REMARKS

5. PRESENTATIONS/DELEGATIONS

The public are welcome to attend Commission meetings in-person.

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. Summary of Recommendations from Other Water Commissions7

There is no recommendation. This report is for information only.

7.2. Water Watch Report16

There is no recommendation. This report is for information only.

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

8. CORRESPONDENCE

8.1. Decommissioning of the 1751 Cultra Avenue Well – November 23, 202122

There is no recommendation. This correspondence is for information only.

9. NEW BUSINESS

10. MOTION TO CLOSE THE MEETING

That the meeting be closed for Intergovernmental Relations under Section 90(2)(b) of the Community Charter, Part 4, Division 3.

11. RISE AND REPORT

12. ADJOURNMENT

Next Meeting: Thursday, July 21, 2022



MINUTES OF A MEETING OF THE Saanich Peninsula Water Commission, held Thursday, January 20, 2022 at 9:30 am, Meeting Room #6 Greenglade Community Centre, 2151 Lannon Way, Sidney BC

PRESENT: Commissioners: M. Doehnel; S. Duncan (EP); D. Halldorson (EP); W. Helgason (EP); D. Kelbert (EP); Z. King (EP); T. Lomas (EP); B. Fallot for C. McNeil-Smith; G. Orr (EP); M. Weisenberger (EP); R. Windsor (EP)

Staff: T. Robbins, General Manager; S. Irg (EP), Senior Manager, Water Infrastructure Operations; G. Harris (EP), Senior Manager, Environmental Protection; I. Jesney (EP), Senior Manager, Infrastructure Engineering; M. Cowley, Manager, Wastewater Engineering & Planning; P. Kickham (EP), Manager, Environmental Regulations; J. Rilkoff (EP), Senior Financial Advisor; T. Duthie, Manager, Administration Services; D. Dionne, Administrative Coordinator, Recording Secretary

REGRETS: R. Windsor

EP = Electronic Participation

1. CALL TO ORDER

The General Manager called the meeting to order at 9:30 am. He introduced and welcomed the two new Commission members, Dwayne Halldorson and Wayne Helgason and thanked outgoing Chair Ron Barnhart and Vice Chair Mike Doehnel for serving in these roles for 2021.

2. TERRITORIAL ACKNOWLEDGEMENT

The General Manager provided the Acknowledgement.

3. ELECTION OF CHAIR

The General Manager called for nominations for the position of Chair of the Saanich Peninsula Water Commission for 2022.

Commissioner Orr nominated Commissioner Kelbert. Commissioner Kelbert accepted the nomination.

The General Manager called for nominations a second time.

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

Hearing no further nominations, the General Manager declared Commissioner Kelbert Chair of the Saanich Peninsula Water Commission for 2022 by acclamation.

4. ELECTION OF VICE CHAIR

The General Manager called for nominations for the position of Vice Chair of the Saanich Peninsula Water Commission for 2022.

Commissioner Orr nominated Commissioner Doehnel. Commissioner Doehnel accepted the nomination.

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

Hearing no further nominations, the General Manager declared Commissioner Doehnel Vice Chair of the Saanich Peninsula Water Commission for 2022 by acclamation.

Commissioner Orr made the following comments:

- Thanked Commissioners Kelbert and Doehnel for stepping up to the Chair and Vice Chair roles. Noting the roles are important in the operation of these Commissions.
- There are staff and fellow Commissioner available to provide support in your roles.

D. Kelbert assumed the role of Chair.

5. APPROVAL OF AGENDA

MOVED by Commissioner Weisenberger, **SECONDED** by Commissioner Orr,
That the agenda be approved.

CARRIED

6. ADOPTION OF MINUTES

MOVED by Commissioner King, **SECONDED** by Commissioner Halldorson,
That the minutes of the October 21, 2021 meeting be adopted.

CARRIED

7. CHAIR'S REMARKS

The Chair made the following remarks:

- He sees this Commission as a vehicle to accomplish amazing things in the community.
- He welcomed the new Commissioners stating that it is great to see new people and expertise participating.
- He would like to see the Commission go in different directions with stronger ties to the First Nations communities.
- Work on long-term infrastructure.
- Work on systems in a coordinated fashion.

8. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

9. GENERAL MANAGER'S REPORT

9.1. Weather Event Impacts [Verbal]

T. Robbins provided the following updates:

- No significant impacts to infrastructure due to heavy rains and freezing temperature.
- No damage to drainage structure in the Water Supply Area.
- Minor undermining at Main No. 4.
- Overflow at the Sidney pumpstation.

9.2. COVID-19 Update [Verbal]

T. Robbins provided the following updates:

- COVID operation measures that were in place in the first phase of COVID have been reinstated in accordance with Provincial Health Orders.
- The Capital Regional District is accommodating COVID-related circumstances.
- There has been no impact on services related to staffing levels.

9.3. Saanich Peninsula Water Commission Orientation [Presentation]

T. Robbins provided a short overview of the orientation presentation that was included in the agenda package. The material outlines the Commission's role and key initiatives:

- Infrastructure improvements
- Design work for Bear Hill interconnect
- Construction of Hamsterly pumpstation backup power generator

He advised the Commission of the 2022 meeting schedule:

- March 17
- May 19
- July 21
- September 22 budget meeting
- No meetings after September due to the 2022 local government elections.

MOVED by Alternate Commissioner Fallot, **SECONDED** by Commissioner Orr,
That the verbal reports be received for information.

CARRIED

10. COMMISSION BUSINESS

10.1. Summary of Recommendations from Other Water Commissions

Staff noted that this is for the Commission's information as to what decisions are being made at other water commissions.

MOVED by Commissioner King, **SECONDED** by Commissioner Halldorson,
That the Summary of Recommendations from other Water Commissions be received for information.

CARRIED

10.2. Water Watch Report

MOVED by Commissioner Orr, **SECONDED** by Commissioner Weisenberger,
That the January 10, 2022 Water Watch Report be received for information.

CARRIED

10.3. Appointment of Saanich Peninsula Water Commission representative to the Water Advisory Committee

MOVED by Commissioner Weisenberger, **SECONDED** by Commissioner Lomas,
That the Saanich Peninsula Water Commission appoint its Vice Chair of the
Commission to the Water Advisory Committee for a one year term ending December
31, 2022.

CARRIED

11. NEW BUSINESS

A discussion took place regarding Water Advisory Committee membership.

Staff responded to a question from Commissioner Doehnel regarding the Agriculture Water Rate Review Request for Proposals (RFP). Staff advised that it is in progress and the RFP should be released in the next couple of weeks.

12. ADJOURNMENT

MOVED by Commissioner Weisenberger, **SECONDED** by Commissioner Halldorson,
That the January 20, 2022 meeting be adjourned at 10:11 am.

CARRIED

CHAIR

SECRETARY



JUAN DE FUCA WATER DISTRIBUTION COMMISSION
Tuesday, February 1, 2022 at 12 PM

MEETING HOTSHEET
(ACTION LIST)

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.

3. ADOPTION OF MINUTES

That the minutes of the January 4, 2022 meeting be adopted.

CARRIED

7. COMMISSION BUSINESS

7.1. Grant Application for Anderson Cove (East Sooke) Water Service Extension

The Juan de Fuca Water Distribution Commission recommends to the Electoral Areas Committee and the Capital Regional District Board that:

Staff be directed to prepare and submit an application for an Investing in Canada Infrastructure Program - British Columbia - Green Infrastructure - Environmental Quality grant for the water service extension to the Anderson Cove area of the Juan de Fuca Water Distribution service area.

CARRIED

7.2. Summary of Recommendations from Other Water Commissions

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

7.3. Water Watch Report

That the January 24, 2022 Water Watch Report be received for information.

CARRIED

10. MOTION TO CLOSE THE MEETING

That the meeting be closed for Intergovernmental Relations under Section 90 (2)(b) of the Community Charter, Part 4, Division 3.

CARRIED

11. RISE AND REPORT

The Commission rose from its closed session at 12:56 pm without report.



JUAN DE FUCA WATER DISTRIBUTION COMMISSION
Monday, February 14, 2022 at 9:30 am

SPECIAL MEETING HOTSHEET
(ACTION LIST)

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.

3. MOTION TO CLOSE THE MEETING

That the meeting be closed for Intergovernmental Relations under Section 90 (2)(b) of the Community Charter, Part 4, Division 3.

CARRIED

4. RISE AND REPORT

The Commission rose from its closed session at 10:28 am without report.



JUAN DE FUCA WATER DISTRIBUTION COMMISSION
Tuesday, March 1, 2022 at 12:00 PM

MEETING HOTSHEET
(ACTION LIST)

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.

3. ADOPTION OF MINUTES

1. That the minutes of the February 1, 2022 meeting be adopted.
2. That the minutes of the February 14, 2022 special meeting be adopted.

CARRIED

7. COMMISSION BUSINESS

7.1. Juan de Fuca System Expansion – Skirt Mountain – Tender Recommendation

That the Juan de Fuca Water Distribution Commission approves the award of Contract 2021-723, Juan de Fuca System Expansion – Skirt Mountain, to Coast Utility in the amount of \$6,673,803 plus GST.

CARRIED

7.2. Goldstream Avenue Water Main Project Update

That the Juan de Fuca Water Distribution Commission receives this report for information.

CARRIED

7.3. Summary of Recommendations from Other Water Commissions

That the Juan de Fuca Water Distribution Commission receive the Summary of Recommendations from Other Water Commissions for information.

CARRIED

7.4. Water Watch Report

That the Juan de Fuca Water Distribution Commission receive the Water Watch Report for information.

CARRIED



REGIONAL WATER SUPPLY COMMISSION
Wednesday, January 19, 2022 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. ELECTION OF CHAIR

Commissioner Szpak elected as Chair for 2022.

4. ELECTION OF VICE CHAIR

Commissioner Baird elected as Vice Chair for 2022 by acclimation.

6. ADOPTION OF MINUTES

That the minutes of the November 17, 2021 meeting be adopted.

CARRIED

10. WATER ADVISORY COMMITTEE

10.1. Appointment of Regional Water Supply Commission representative to the Water Advisory Committee for 2022

That the Regional Water Supply Commission appoint its Vice Chair as the Commissions' representative on the Water Advisory Committee for a one year term ending December 31, 2022.

CARRIED

11. COMMISSION BUSINESS

11.1. 2022 Greater Victoria Water Supply Area Mining Access Requests

That the Regional Water Supply Commission authorize Greater Victoria Water Supply Area access and special use to the mining tenure holders and their agents (where agency is confirmed) and workers (that hold valid free mining certificates) that meet Capital Regional District insurance requirements, as listed in Tables 1 and 2 of Appendix A, subject to the conditions of their Access Agreement, for the valid mining tenures they hold.

CARRIED

11.2. Summary of Recommendations from other Water Commissions

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

CARRIED

11.3. Water Watch Report

That the January 10, 2022 Water Watch Report be received for information.

CARRIED



REGIONAL WATER SUPPLY COMMISSION
Wednesday, February 16, 2022 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 January 19, 2022 meeting be adopted.

CARRIED

7. COMMISSION BUSINESS

7.1. 2022 Leech Water Supply Area Westcoast Flyfishers Access Request

That the Regional Water Supply Commission authorize the Westcoast Flyfishers Association access and special use of the Leech Water Supply Area for a maximum of 20 members for one day, when the Fire Danger Rating is less than Extreme (planned for May 29, 2022), to fish in Weeks Lake, under the conditions of the access permit which limits the type of vessels to those that can be effectively decontaminated, and pending evidence of insurance and completion of waivers to the satisfaction of the CRD.

CARRIED

Opposed: Harper, St-Pierre, Rogers, Loveday, Taylor

7.2. Greater Victoria pH & Corrosion Study Update

That the Regional Water Supply Commission receive the Greater Victoria pH & Corrosion Study report for information.

CARRIED

7.3. Water Quality Summary Report for Greater Victoria Drinking Water System – Oct-Dec 2021

That the Water Quality Summary Report for the Greater Victoria Drinking Water System – October to December 2021 be received for information.

CARRIED

7.4. Summary of Recommendations from Other Water Commissions

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

CARRIED

7.5. Water Watch Report

That the Water Watch Report be received for information.

CARRIED

8. NOTICE OF MOTION

Chris Graham:

That staff develop a cost recovery fee for access, bring forward a standardized process and check list that needs to be met by an applicant for access, and investigate delegating the issuance of access permits to staff as is done in other cases.

10. MOTION TO CLOSE THE MEETING

1. That the meeting be closed for Appointments in accordance with Section 90(1)(a) of the *Community Charter*
2. That the meeting be closed for Intergovernmental Negotiations under Section 90(2)(b) of the *Community Charter*

CARRIED

11. RISE AND REPORT

The Commission rose from its closed session without report.



REGIONAL WATER SUPPLY COMMISSION
Wednesday, April 20, 2022 at 11:30 AM

M E E T I N G H O T S H E E T
(A C T I O N L I S T)

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 February 16, 2022 meeting be adopted.

CARRIED

8. COMMISSION BUSINESS

8.1. Demand Management Update

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

CARRIED

8.2. Greater Victoria Water Supply Area Mining Access Request

That the Regional Water Supply Commission:

1. Authorize Greater Victoria Water Supply Area access and special use to Jesse Wylie 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 Access Agreement.
2. Not authorize Greater Victoria Water Supply Area access and special use to Ron Walton for the purpose of camping overnight on his placer tenures in the Leech WSA in order to facilitate his mining activities.

CARRIED

Notice of Motion – Commissioner Graham:

That staff investigate the implications of delegating the mining access requests to staff and that a set of policies be put in place.

8.3. 2021 Wildfire Season – Greater Victoria Water Supply Area

That the 2021 Wildfire Season – Greater Victoria Water Supply Area report be received for information.

CARRIED

8.4. 2021 Tours and Videos Summary and 2022 Plans – Regional Water Supply System

That the 2021 Tours and Videos Summary and 2022 Plans – Regional Water Supply System report be received for information.

CARRIED

8.5. Summary of Recommendations from Other Water Commissions

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

CARRIED

8.6. Water Watch Report

That the Water Watch Report be received for information.

CARRIED

9. MOTION WITH NOTICE

9.1. Motion with Notice (February 16, 2022) – Commissioner Graham

Recommendation: That staff develop a cost recovery fee for access, bring forward a standardized process and check list that needs to be met by an applicant for access, and investigate delegating the issuance of access permits to staff as is done in other cases.

CARRIED

Opposed: Isitt, Chambers

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued May 09, 2022

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	May 31 5 Year Ave		May 31/21		May 8/22		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	87,865	19,330	86,327	18,992	92,727	20,400	100.0%
Goldstream	7,467	1,643	8,702	1,914	9,905	2,179	99.9%
Total	95,332	20,973	95,029	20,906	102,633	22,579	100.0%

2. Average Daily Demand:

For the month of May	111.8 MLD	24.58 MIGD
For week ending May 08, 2022	111.4 MLD	24.51 MIGD
Max. day May 2022, to date:	115.7 MLD	25.45 MIGD

3. Average 5 Year Daily Demand for May

Average (2017 - 2021)	149.4 MLD ¹	32.86 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall May:

Average (1914 - 2021):	47.4 mm
Actual Rainfall to Date	20.4 mm (43% of monthly average)

5. Rainfall: Sep 1- May 8

Average (1914 - 2021):	1,513.8 mm
2021 - 2022	1,907.8 mm (126% of average)

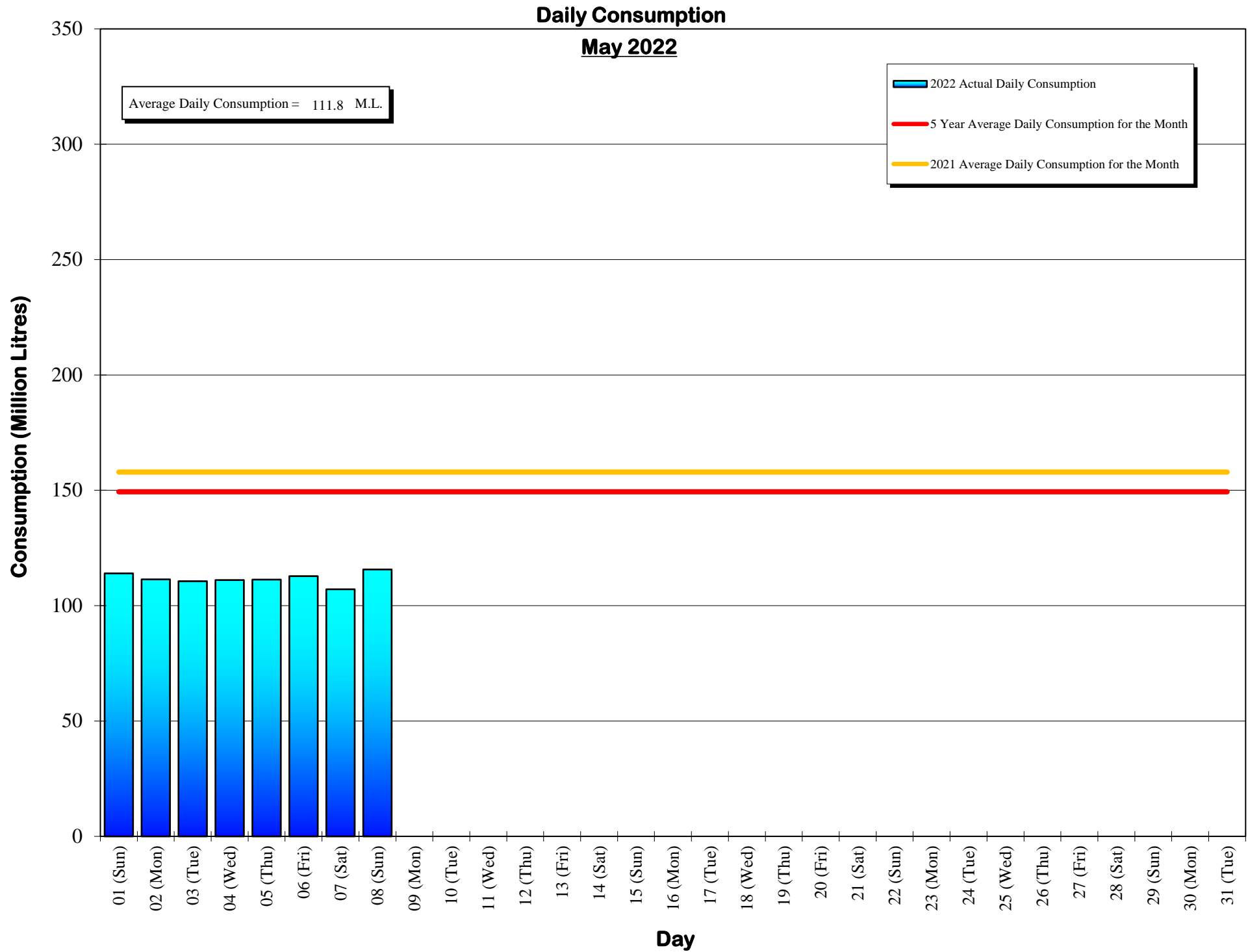
6. Water Conservation Action Required:

CRD's Stage 1 Water Conservation Bylaw is now in effect through September 30, 2022.
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 Consumptions: - May 2022

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)	114.0		25.1	15	4	Cloudy / P. Sunny	0.0	0.0	0.0
02 (Mon)	111.4		24.5	14	7	Cloudy / Showers	2.3	0.0	2.3
03 (Tue)	110.6		24.3	12	7	Cloudy / Showers	0.3	0.0	0.3
04 (Wed)	111.1		24.4	13	6	Cloudy / Showers	1.3	0.0	1.3
05 (Thu)	111.3		24.5	9	7	Cloudy / Showers	13.7	0.0	13.7
06 (Fri)	112.8		24.8	11	5	Sunny / P. Cloudy	0.0	0.0	0.0
07 (Sat)	107.1	<=Min	23.6	11	4	Sunny / P. Cloudy / Showers	0.3	0.0	0.3
08 (Sun)	115.7	<=Max	25.4	11	3	Sunny / P. Cloudy / Showers	2.5	0.0	2.5
09 (Mon)									
10 (Tue)									
11 (Wed)									
12 (Thu)									
13 (Fri)									
14 (Sat)									
15 (Sun)									
16 (Mon)									
17 (Tue)									
18 (Wed)									
19 (Thu)									
20 (Fri)									
21 (Sat)									
22 (Sun)									
23 (Mon)									
24 (Tue)									
25 (Wed)									
26 (Thu)									
27 (Fri)									
28 (Sat)									
29 (Sun)									
30 (Mon)									
31 (Tue)									
TOTAL	894.0 ML		196.68 MIG				20.4	0	20.4
MAX	115.7		25.45	15	7		13.7	0	13.7
AVG	111.8		24.58	12.0	5.4		2.6	0	2.6
MIN	107.1		23.56	9	3		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 (1914-2021)	47.4 mm
Actual Rainfall: May	20.4 mm
% of Average	43%
Average Rainfall (1914-2021): Sept 01 - May 08	1,513.8 mm
Actual Rainfall (2021): Sept 01 - May 08	1,907.8 mm
% of Average	126%

Number days with precip. 0.2 or more
6

Water spilled at Sooke Reservoir to date (since Sept. 1) =

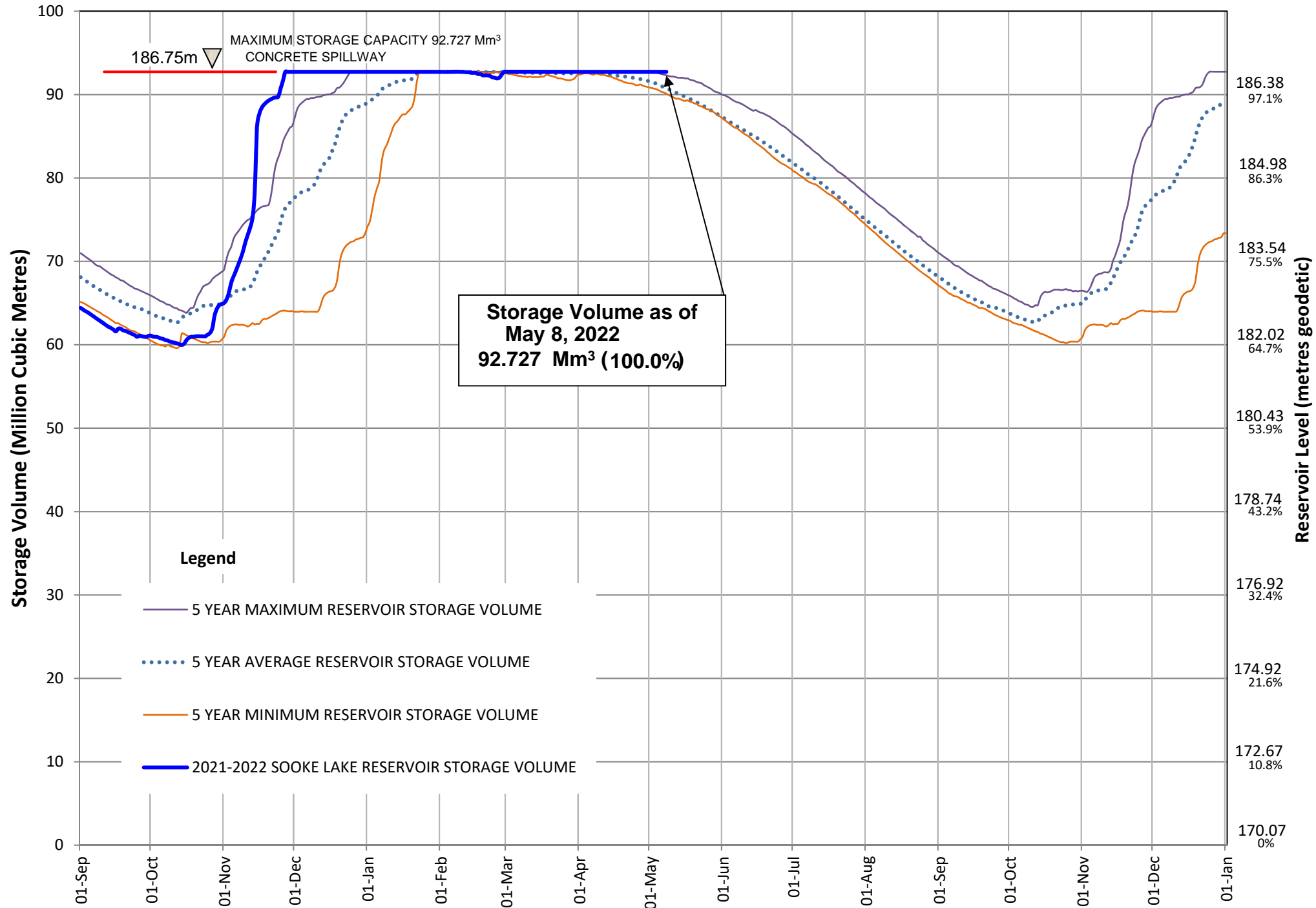
12.54 Billion Imperial Gallons

=

57.00 Billion Litres

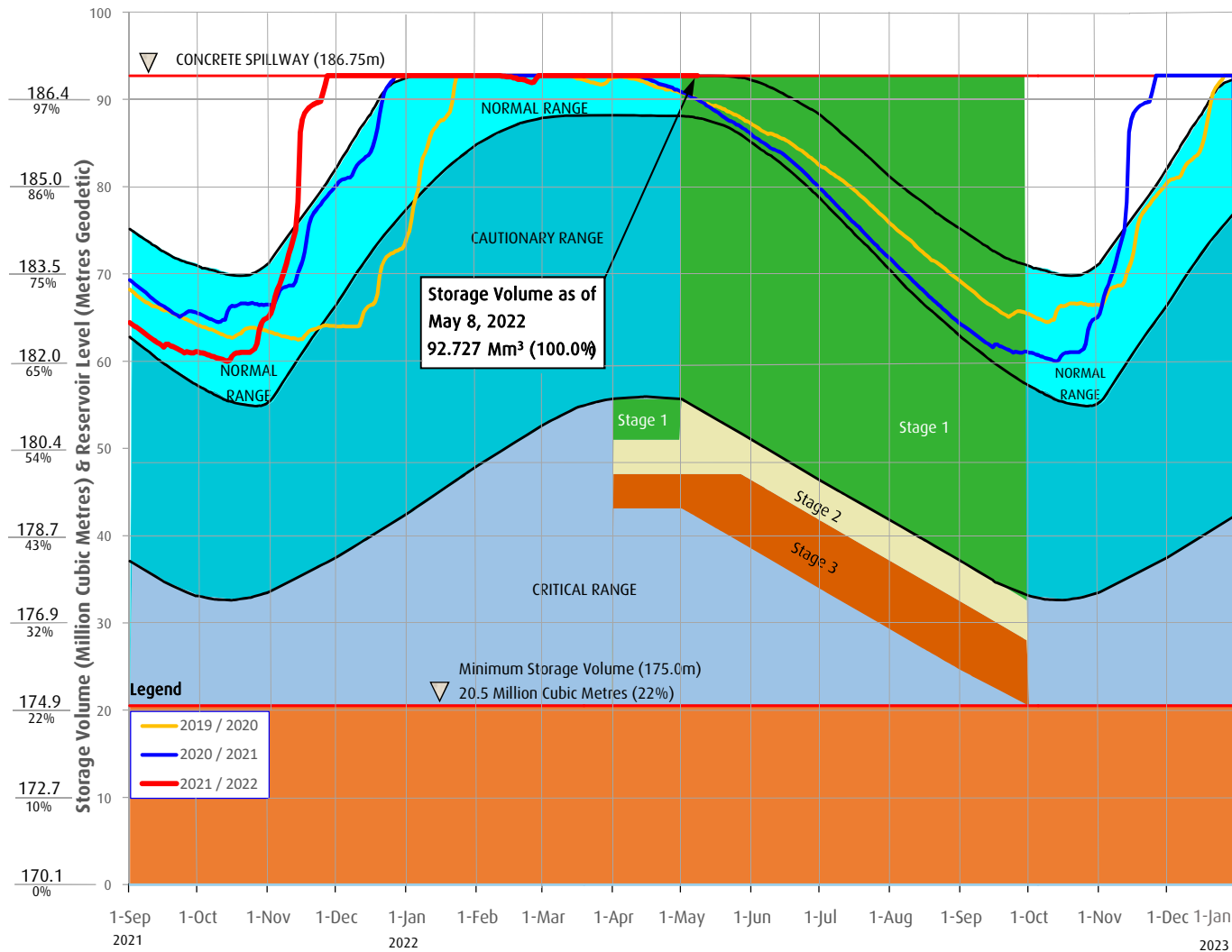
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2021 / 2022



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.

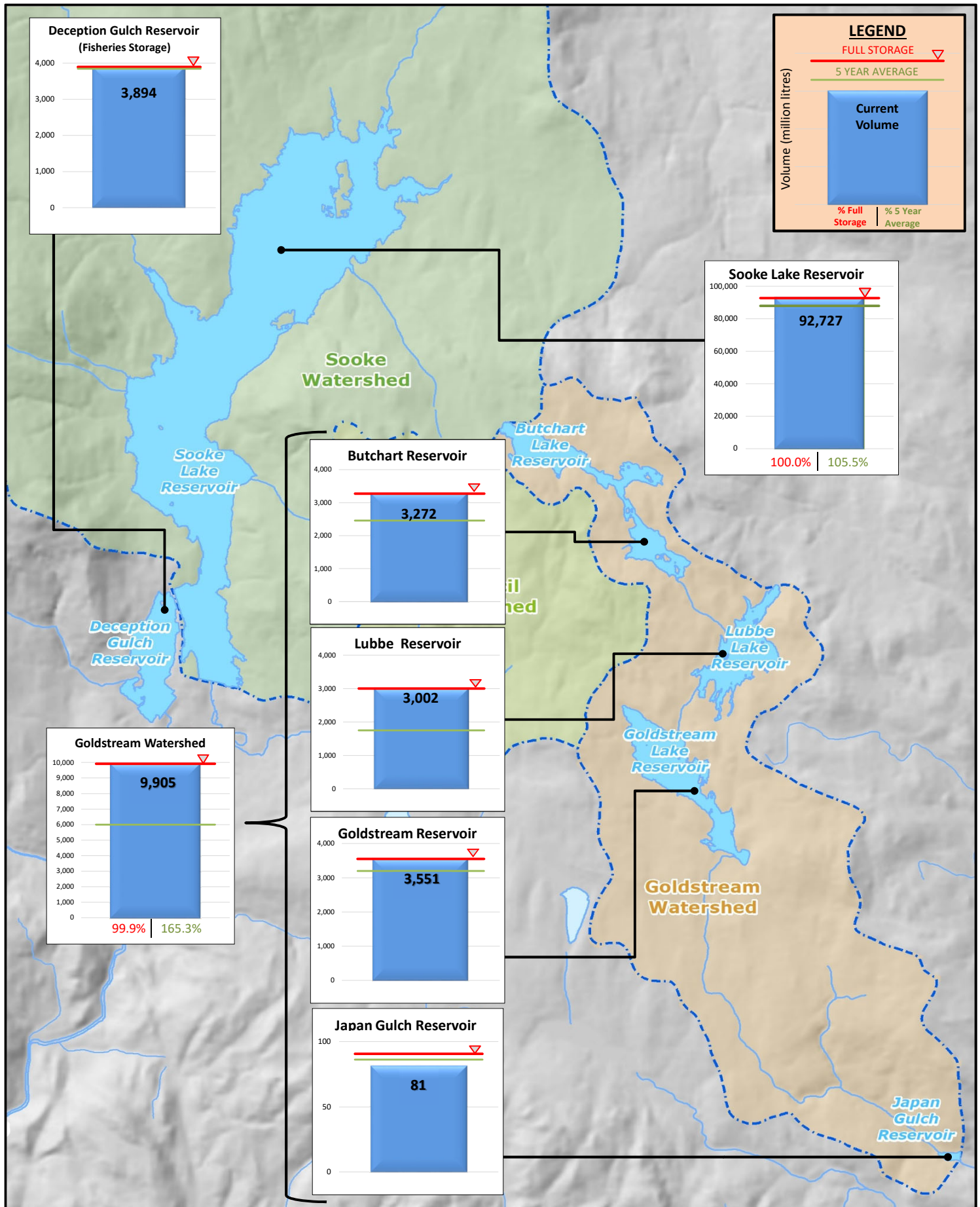
Stage 2 Is initiated when it is determined that there is an acute water supply shortage. During this time, lawn water is permitted once a week at different times for even and odd numbered addresses.

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 May 08, 2022



From: Ted Robbins
Sent: Tuesday, November 23, 2021 3:17 PM
To: Mike Doehnel
Cc: 'Geoff Orr'; Denise Dionne; bfallot@sidney.ca; cmcneil-smith@sidney.ca; davidekelbert@hotmail.com; munderwood@tsawout.ca; michaelw@shaw.ca; 'Murray Weisenberger'; chriron@shaw.ca; ryan.windsor@csaanich.ca; sduncan@sidney.ca; Zebking@zebking.ca
Subject: RE: facebook posting about C Saanich artesian well
Attachments: 4209_001.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Mike,

With regards to your previous email regarding the Stewart's/Cultra Avenue well decommissioning project and further to my Nov 9 email below, the total project budget was \$175,000 (2021: \$75,000/2022: \$100,000) – the work I identified below is complete and in the next two weeks final site cleanup will occur, with a total expenditure of \$39,500. In the Summer 2022 fisheries construction window, a section of abandoned 150mm cast iron pipe across Graham Creek will be removed. This pipe section (likely constructed in the 1940's when the well was drilled) was discovered during the recent work – the pipe is exposed in the creek and will eventually break, so we are going to remove it. The cost of this work is estimated at \$30,000, so the total 2021/2022 project cost will be approximately \$70,000 – the balance of the 2021/2022 project budget (approximately \$105,000) will remain in capital reserves. With the completion of the work next summer, the CRD will be contemplating the disposition of the property – this will be considered by the Commission at a future meeting. As an aside, the Provincial information for Stewart's Well is attached; the well was drilled in 1943 to a depth of 37.5 feet and is not listed as artesian. There is no other well decommissioning work planned at this time.

Given that the project is substantially complete, there is no need or urgency to hold a special Commission meeting to address this matter and the Chair concurs. Instead, the matter can be raised at the next Commission meeting (scheduled for January 20) as a Notice of Motion, or subject to 22.7 below, there could be 'same day' consideration of a Motion at that meeting - the following are the excerpts from the CRD Procedures Bylaw regarding Motions:

22. (1) Motions shall be phrased in a clear and concise manner so as to express an opinion or achieve a result.

(2) The Chair may divide a motion containing more than one subject if the Chair feels this would produce a fairer or clearer result and the same shall be voted on in the form in which it is divided.

(3) A motion to adjourn the meeting or to adjourn the debate shall always be in order.

(4) An amendment to a motion does not require notice. Only one amendment to an amendment shall be allowed at one time and the same shall be dealt with before the amendment is decided. Amendments must be strictly relevant to the main motion and not alter in a material way or be contrary to the principle embodied in the main motion.

(5) Any Member desiring to bring before the Board any new matter, other than a point of order or privilege, shall do so by way of motion; provided, however, that any new matter of major import, which may require further information than could or would normally be available to the Board at such meeting, may be referred to a Board Standing Committee agenda by the Chair, or may be ruled by the Chair as a notice of motion and shall be dealt with as provided by section 22(6).

(6) Any Member may give notice of a motion to the Board by providing the Corporate Officer with a written copy of much motion before or during a meeting, and the Corporate Officer shall, upon the Member being acknowledged by the Chair and the notice of motion being read to the meeting, include it in the minutes of that meeting as a notice of motion and shall add the motion the agenda of the next regular Board meeting, or to the agenda of a special Board meeting scheduled for that purpose.

(7) Notwithstanding section 12(2), a motion under section 22(6) shall only be decided at its meeting of introduction if all of the following are met:

- (a) the motion's subject matter falls into one or more of the following classes:
 - i. those items with an urgent deadline;
 - ii. those items of minor organization impact (e.g. simply advocacy or letters of support); or
 - iii. those items supporting the position of member local governments;
- (b) the Members present vote with a two-thirds majority to consider it.

Members of the public can phone into the meeting and address the Commission as a delegation with regards to an agenda item. Please let us know if you would like to prepare a motion for the January agenda.

Regards, Ted

Ted Robbins | General Manager

Integrated Water Services, Capital Regional District
479 Island Highway, Victoria, BC V9B 1H7
T:250.360.3061 | C :250.217.9084 | trobbsins@crd.bc.ca



Please consider the environment before printing this e-mail

From: Mike Doehnel [mailto:vimalt@shaw.ca]

Sent: Monday, November 22, 2021 5:16 AM

To: Bob Maxwell

Cc: 'Geoff Orr' <GOrr@northsaanich.ca>; Ted Robbins <trobbsins@crd.bc.ca>; Denise Dionne <ddionne@crd.bc.ca>; bfallot@sidney.ca; cmcneil-smith@sidney.ca; davidekelbert@hotmail.com; munderwood@tsawout.ca; michaelw@shaw.ca; 'Murray Weisenberger' <MWeisenberger@northsaanich.ca>; chriron@shaw.ca; ryan.windsor@csaanich.ca; sduncan@sidney.ca; Zebking@zebking.ca; Frances Pugh <francespugh48@yahoo.com>

Subject: Re: facebook posting about C Saanich artesian well

CAUTION: This Email is from an EXTERNAL source. Ensure you trust this sender before clicking on any links or attachments.

Dear Ted and Ron, how does one go about holding an extra meeting to address this. Could we do it by phone. Is there anyone on the commission that would second a motion to hold a virtual meeting. Is there anyone willing to second a motion to revisit the decommissioning of the Cultra avenue well and to do a deeper dive into Central Saanich/CRD well on Keating

kind regards.

Mike Doehnel

From: Bob Maxwell
Sent: Sunday, November 21, 2021 8:55 AM
To: 'Mike Doehnel'
Cc: 'Geoff Orr'; 'Ted Robbins'; 'Denise Dionne'; bfallot@sidney.ca; cmcneil-smith@sidney.ca; davidekelbert@hotmail.com; munderwood@tsawout.ca; michaelw@shaw.ca; 'Murray Weisenberger'; chriron@shaw.ca; ryan.windsor@csaanich.ca; sduncan@sidney.ca; Zebking@zebking.ca; Frances Pugh
Subject: RE: facebook posting about C Saanich artesian well

Hi Mike

I am not sure if this email thread is open to discussion by others. I have a strong interest in water protection.

The Brentwood Springs area, this place used to provide water to Brentwood, and likely others, farmers. And most importantly to our First Nations as it used maintain a productive wetland full of resources such a reeds, ducks, water and fish..... and cedar.

Yes the wells or historical water extraction areas below the gravel pit did produce a lot of water, and may still do. So much so that there is a band of peat formed likely over hundreds of years, if not thousands. It has developed and been maintained by the of cold water, typical of groundwater flow. I call it a cedar swamp with alder and there was a Sitka Spruce(s) at one time growing there. Hopefully most of the area is in the ALR.

This groundwater discharge zone with artesian flows should be protected 'and not buried' as I think it provides most of the water for Maber Flats. I have seen the flows about 20 years ago and it was a beautiful site – clear (clean?) water bubbling and flowing out of the earth – in large volume. Now that one site (from about 20 years + ago likely around 2002) has been buried at least 10' thick and was planted quite densely with Douglas-fir. No one would ever know – no well no flows = no problems.

But why did they do this on our land, Municipal land, I have asked for years but no answer. I hope the Municipality never sells this land in the face of developments looming. There should be a public hearing prior to any thoughts like this.

All the Municipal extractions sites here were registered to extract about 2.4 million cubic meters per year. The sites were abandoned in 2002 by the CRD who it appears had the control or licenses on them. See attachment.

If only Central Saanich and the CRD had a program to discuss most of these activities in CS with the interested public. Explaining why and how they are managing our groundwater and surface water resources. As you mentioned the looming large earth quake which I have heard that anything over about 7.3 would take out the treatment building and valves and lines there (as stated by a CRD staffer).

In the light of the times climate warming and earthquakes what are the local contingency plans. If the main supply lines went down for awhile where do the peninsula residents get drinking water, washing water etc. Does the hospital have suitable wells or storage tanks.

Where are our backup community wells, why not have some which are actively managed (treated if necessary) and ready to supply water in emergencies. How do the costs match against decommissioning. When in dire need costs do not seem to matter that much anymore.

From the note below **"if a well is not in service (in regular/periodic use or kept operational as a backup water supply) the owner must 'decommission the well as soon as practicable'. This requirement is to ensure the aquifers are protected";**

From my perspective right now (and I likely need help), the old well site a Cultra and the old sites below Keating are 'artesian flows' from the near the base or edge of an aquifer, (the sands and gravel aquifers above seem to merge

against the lower clayey impermeable marine sediments) such zones have also created many springs around the peninsula.

Artesian flows might be treated differently as to abandonment and decommissioning (I need help in this interpretation); https://www.bclaws.gov.bc.ca/civix/document/id/complete/statreg/39_2016#part9

Quote from the Act:

Part 9 — Well Deactivating and Decommissioning

Deactivating or decommissioning wells — general

69 (1) Subject to subsection (3), for the purposes of section 56 (2) (a) [*decommissioning or deactivating well*] of the Act, the prescribed period for a well to be considered to be not in service is 5 years.

(2) Subject to subsection (3), for the purposes of section 56 (4) of the Act, the prescribed period for a deactivated well to be considered to be not in service is 5 years.

(3) The prescribed periods set out in subsections (1) and (2) do not apply in the case of a flowing artesian well that is managed in accordance with section 52 (6) [*controlling artesian flow during construction*] or 53 (3) [*controlling flowing artesian well*] of the Act.

(4) If a flowing artesian well is managed in accordance with section 52 (6) or 53 (3) of the Act, the requirements of this Part do not apply in respect of the well until it is possible to deactivate or decommission the well in accordance with the recommendations of a professional, as accepted by an engineer.

Maybe the engineer's recommendations would include community emergency water needs in the future.

I do support decommissioning old wells which pose a danger, but I also support keeping and maintaining very good wells.

The other attachment shows a map of the water diversions, and all of those below the gravel pit are inactive and abandoned.

This almost seems like early planning, well ahead of developments there..... which we will see in the near future.

It is noteworthy that in Hagan Creek right along the Cultra Well area, I was told that there are a lot of sandy stream sediments there, and this spot receives cold water inflow from the artesian flows and this is right where the local cutthroat trout spawn. An ecological jewel.

Regards

Bob Maxwell

From: Mike Doehnel [<mailto:vimalt@shaw.ca>]

Sent: Thursday, November 18, 2021 6:47 AM

To: Geoff Orr; Ted Robbins; Denise Dionne; bfallot@sidney.ca; cmcneil-smith@sidney.ca; davidekelbert@hotmail.com; munderwood@tsawout.ca; michaelw@shaw.ca; Murray Weisenberger; chriron@shaw.ca; ryan.windsor@csaanich.ca; sduncan@sidney.ca; Zebking@zebking.ca

Subject: Re: facebook posting about C Saanich artesian well

As is seen from the budget docs that this was called the Stewarts well decommissioning. I must say that I overlooked this budget item and I suspect others might have also. my bad. So it appears that for \$75,000 spent this year we get hazardous soil tests (I've heard that \$5,000 for this soil testing should suffice) and the preparation of tender documents. Next year, for \$100,000 we get demolition and sealing of the well and it appears stabilizing of Graham creek banks. I would like for staff (CRD and CS) to provide some background as to its historical performance (liters per minute, potability, contribution to stream flows) Given the several discussions we have had at the commission and our desire to have backup systems in place for the big one would it not be prudent to use that \$175,000 to ensure some level of backup comfort should the inevitable occur. Could this be used for fire fighting backup water if quality is poor but well output is as high as some of the other private 300 gal/min wells in the area.

Geoff, I am not sure that I know Francis, but may have met her in the distant past. It is my opinion that this is not the situation she is referring to I'm not sure that these two locations could be that confused. So the question remains, what is she referring to, what does CS know about this situation. In speaking with some old timers from the area it appears that the well she mentions is across from the old Mt Newton School on Keating where CS owns the land and had a well which produced a lot of water. As the continued extraction next door of one of the most valuable sand and gravel aquifers in the region there was possibly very little water left to pump

Ryan mentioned that he would try to get some information. I'm still waiting on Zeb for a response.

Sincerely,

Mike

From: Geoff Orr

Sent: Tuesday, November 9, 2021 4:40 PM

To: Ted Robbins ; Mike Doehnel ; Denise Dionne ; bfallot@sidney.ca ; cmcneil-smith@sidney.ca ; davidekelbert@hotmail.com ; munderwood@tsawout.ca ; michaelw@shaw.ca ; Murray Weisenberger ; chriron@shaw.ca ; ryan.windsor@csaanich.ca ; sduncan@sidney.ca ; Zebking@zebking.ca

Subject: RE: facebook posting about C Saanich artisan well

Hi Ted,

Thank you for your comprehensive response to the concern expressed by a resident and forwarded for an update by Mike.

Mike, are you able to provide Ms. Pugh with the information provided by Ted?

Regards

Geoff

From: Ted Robbins <trobbins@crd.bc.ca>

Sent: Tuesday, November 9, 2021 1:42 PM

To: Mike Doehnel <vimalt@shaw.ca>; Denise Dionne <ddionne@crd.bc.ca>; bfallot@sidney.ca; cmcneil-smith@sidney.ca; davidekelbert@hotmail.com; Geoff Orr <GOrr@northsaanich.ca>; munderwood@tsawout.ca; michaelw@shaw.ca; Murray Weisenberger <MWeisenberger@northsaanich.ca>; chriron@shaw.ca;

ryan.windsor@csaanich.ca; sduncan@sidney.ca; Zebking@zebking.ca

Subject: RE: facebook posting about C Saanich artisan well

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Hi all,

Thanks for bringing this social media post to our attention Mike – I am copying the Commission who received your email below on Saturday. The CRD recently undertook the decommissioning of an abandoned well on property owned by the CRD at 1751 Cultra Avenue. (This is some distance from Keating X Road which was the site referenced in the Facebook post below). For background, prior to 1977, the well was a supplementary source to the Elk Lake supplied water system – the District of Central Saanich owned/operated the Elk Lake system between 1960-1977, then the CRD assumed responsibility for the Saanich Peninsula Water system (and subsequent water system construction) in 1977. Most of the original infrastructure and these sources have been out of service for over 40 years. The well decommissioning project was identified in the 2021 Saanich Peninsula Water Service capital plan – the scope included removing the abandoned well house/pump house building and underground chamber, capping the well head/casing, disconnecting the hydro service and removing the utility pole, and stabilizing the Graham Creek bank on the site. As we continue to take steps to ensure compliance with the provincial Water Sustainability Act, under the Act, if a well is not in service (in regular/periodic use or kept operational as a backup water supply) the owner must ‘decommission the well as soon as practicable’. This requirement is to ensure the aquifers are protected from potential contamination introduced at the ground surface. CRD and District of Central staff have been engaging regarding the project plan. Given that A) this well has been out of service for many years and would require new infrastructure to put it back into service, and B) the District of Central Saanich does not contemplate the well as a source for the District at this time, the CRD has moved forward with decommissioning. Please let me know if you have any further questions.

Thanks, Ted

Ted Robbins | General Manager

Integrated Water Services, Capital Regional District

479 Island Highway, Victoria, BC V9B 1H7

T:250.360.3061 | C :250.217.9084 | trobbs@crd.bc.ca



Please consider the environment before printing this e-mail

From: Mike Doehnel [<mailto:vimalt@shaw.ca>]

Sent: Saturday, November 06, 2021 9:17 AM

To: Denise Dionne <ddionne@crd.bc.ca>; bfallot@sidney.ca; cmcneil-smith@sidney.ca; davidekelbert@hotmail.com; GOrr@northsaanich.ca; munderwood@tsawout.ca; michaelw@shaw.ca; mweisenberger@northsaanich.ca; chriron@shaw.ca; ryan.windsor@csaanich.ca; sduncan@sidney.ca; Zebking@zebking.ca

Cc: Ted Robbins <trobbs@crd.bc.ca>

Subject: facebook posting about C Saanich artisan well

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Frances Pugh

[hNov0et7Smbero1t0 4 at 1sm8:2h52et09 dcPM50](#) ·

Did you know that the CRD filled in the artesian spring off Keating X Road -- just in the forested area west of the industrial park --yesterday? Used to supply water to Saanichton, part of the Hagan/Graham Creek watershed. What a waste of a resource. That area is becoming an ecological disaster area.

Could anyone help me understand what is going on with this post (Ryan and Zeb perhaps) is this the municipality or CRD, what was the purpose of doing so given our ongoing conversations at the commission about water security and earthquake preparedness as they relate to the well water systems from the past

thanks kindly for your responses

mike

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Groundwater Wells and Aquifers

Well Summary

Well Tag Number: 2311
Well Identification Plate Number:
Owner Name: STEWART
Intended Water Use: Unknown Well Use
Artesian Condition: No

Well Status: New
Well Class: Unknown
Well Subclass:
Aquifer Number: 611

Observation Well Number:
Observation Well Status:
Environmental Monitoring System (EMS) ID:
Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address:
Town/City: SAANICHTON

Legal Description:

Lot 4
Plan 488
District Lot
Block
Section 6
Township
Range 2E
Land District 64
Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 48.591572 Longitude: -123.428405
UTM Easting: 468410 UTM Northing: 5382143
Zone: 10
Coordinate Acquisition Code: (10 m accuracy) ICF cadastre and good location sketch

Well Activity

Activity	↕ Work Start Date	↕ Work End Date	↕ Drilling Company	↕ Date Entered	↕
Legacy record	1943-07-01	1943-07-01	International Water Supply	August 13th 2003 at 3:53 AM	

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1943-07-01	1943-07-01				

CORRESPONDENCE

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 37.5 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 100 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Other
 Method of determining elevation: Unknown

Static Water Level (BTOC): 4 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	3	Sand, gravel and clay						
3	7	Blue sand and gravel						
7	20	Blue sand, clay and boulders						
20	36	Brown sand, gravel and boulders						
36	37.6	Blue clay with gravel						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:
 Surface Seal Installation Method:
 Surface Seal Thickness:
 Surface Seal Depth:

Backfill Material Above Surface Seal:
 Backfill Depth:

Liner Details

Liner Material:	Liner Diameter:	Liner from:	Liner Thickness:	Liner to:	Liner perforations	To (ft bgl)
There are no records to show						

Screen Details

Intake Method:	Installed Screens	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Type:						
Material:						
Opening:						
Bottom:						
There are no records to show						

Well Development

Developed by: Development Total Duration:

Well Yield

Estimation Method:
 Static Water Level Before Test:
 Hydrofracturing Performed: No

Estimation Rate:
 Drawdown:
 Increase in Yield Due to Hydrofracturing:

Estimation Duration:

Well Decommission Information

Reason for Decommission:
 Sealant Material:
 Decommission Details:

Method of Decommission:
 Backfill Material:

Comments

PRODUCTION 120 GPM. GUARANTEE 100 GPM, PUMPING LEVEL 18'. METHOD OF DRILLING = DRILLED

Alternative Specs Submitted: Yes