



JUAN DE FUCA WATER DISTRIBUTION COMMISSION
 Notice of Meeting on **Tuesday, March 7, 2023 at 12 PM**
 Goldstream Conference 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. Baird (Chair) | C. Harder |
| J. Rogers (Vice Chair) | K. Pearson |
| S. Donaldson | M. Wagner |
| D. Grove | A. Wickheim |

AGENDA

- 1. TERRITORIAL ACKNOWLEDGEMENT**
- 2. APPROVAL OF AGENDA**
- 3. ADOPTION OF MINUTES3**
Recommendation: That the minutes of the January 3, 2023 meeting be adopted.
- 4. CHAIR’S REMARKS**
- 5. PRESENTATIONS/DELEGATIONS**
Delegations will have the option to participate electronically. Please complete the [online](#) application for “Addressing the Board” on our website and staff will respond with details.
Alternatively, you may email your comments on an agenda item to the Juan de Fuca Water Distribution Commission at ivsadministration@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. Juan de Fuca Water Distribution Service Capital Projects Update8**
There is no recommendation, this report is for information only.
 - 7.2. Summary of Recommendations from Other Water Commissions25**
There is no recommendation, this report is for information only.

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

**Juan de Fuca Water Distribution Commission
Agenda – March 7, 2023**

7.3. Water Watch Report28

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

8. NOTICE(S) OF MOTION

9. NEW BUSINESS

10. ADJOURNMENT

Next Meeting: Tuesday, April 4, 2023



Making a difference...together

MINUTES OF A MEETING OF THE Juan de Fuca Water Distribution Commission, held Tuesday, January 3, 2023 at 12 p.m., Goldstream Meeting Room, 479 Island Highway, Victoria, BC

PRESENT: Commissioners: G. Baird; D. Grove; C. Harder; K. Pearson; J. Rogers (EP); M. Wagner; A. Wickheim

Staff: I. Jesney, Acting General Manager; S. Irg, Senior Manager, Water Infrastructure Operations; J. Marr, Acting Senior Manager, Infrastructure Engineering; N. Tokgoz, Acting Manager, Water Distribution & Planning; T. Duthie, Manager, IWS Administration; D. Dionne (Recorder)

REGRETS: S. Donaldson

EP = Electronic Participation

The meeting was called to order at 11:59 am.

1. TERRITORIAL ACKNOWLEDGEMENT

I. Jesney provided the Territorial Acknowledgement and conducted a roll call.

2. ELECTION OF CHAIR

The Acting General Manager called for nominations for the position of Chair of the Juan de Fuca Water Distribution Commission for a two-year term ending December 31, 2024.

Commissioner Rogers nominated Commissioner Baird. Commissioner Baird accepted the nomination.

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

Hearing no further nominations, the Acting General Manager declared Commissioner Baird Chair of the Juan de Fuca Water Distribution Commission for a two-year term ending December 31, 2024 by acclamation.

3. ELECTION OF VICE CHAIR

The Chair called for nominations for the position of Vice Chair of the Juan de Fuca Water Distribution Commission for a two-year term ending December 31, 2024.

Commissioner Harder nominated Commissioner Rogers. Commissioner Rogers accepted the nomination.

The Chair called for nominations a second time.
The Chair called for nominations a third and final time.

Hearing no further nominations, the Chair declared Commissioner Rogers Vice Chair of the Juan de Fuca Water Distribution Commission for a two-year term ending December 31, 2024 by acclamation.

4. APPROVAL OF AGENDA

The following item was added to the agenda under New Business:
Recognition of Previous Commission and Chair.

MOVED by Commissioner Wickheim, **SECONDED** by Commissioner Pearson,
That the agenda be approved as amended.

CARRIED

5. ADOPTION OF MINUTES

MOVED by Commissioner Rogers, **SECONDED** by Commissioner Grove,
That the minutes of the September 6, 2022 meeting be adopted.

CARRIED

6. CHAIR'S REMARKS

The Chair remarked that the Juan de Fuca Water Distribution Commission is one of the best run commissions that he deals with and that the commission has been consistently exceptional at discussing issues and being proactive. He also commented on the work of the staff that support the commission and that he is looking forward to his role as Chair.

7. GENERAL MANAGER'S REPORT

I. Jesney welcomed all the commissioners. He encouraged all the new members to ask questions, noting that there is a lot to understand about this water system, being the third largest behind Saanich and Victoria.

8. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

9. COMMISSION BUSINESS

9.1. Presentation – Juan de Fuca Water Distribution Commission Orientation

I. Jesney provided the orientation presentation and staff responded to questions from the Commission regarding:

- Location of Asbestos Cement (AC) pipe within region. Staff advised that construction has started for replacing the AC pipe along Goldstream Avenue.
- Expansion of the distribution system is done through development. Where a developer wishes to expand the system to their development, the developer would install the watermains and the Capital Regional District (CRD) would take it over.
- Expanding water services beyond the Urban Containment Boundary requires undertaking a process of municipal governance and CRD Board approvals.
- There are at least two new reservoir installations planned for the next four years, one at Sun River and one on South Skirt Mountain.
- Responsibility of water distribution to the Songhees and Esquimalt First Nations

is through the Juan de Fuca Water Distribution service. There is currently a transition under development that will see the water being billed through the Regional Water Service at a bulk water rate for the First Nations.

- Typical customer service concerns are generally related to billing inquiries and water leak reporting.
- Public education and outreach are accomplished through watershed tours and online education videos.
- School Tours of the Water Supply Area are also conducted and educational information is provided through this program to students.
- Juan de Fuca has an aggressive infrastructure replacement program.
- The Development Cost Charges (DCC) bylaw will undergo a review this year. DCC's are provincially regulated and assessed by external consultants.
- Projects on the horizon for 2023 include completion of the South Skirt Mountain DCC project, completion of the Rocky Point project which is a pumpstation and two reservoirs and a pumpstation upgrade in Sooke
- Staff provided a status update of the post disaster water supply planning.
- Flood and fire risk planning is managed through the CRD's disaster planning. Flooding concerns related to Juan de Fuca would be associated with dam overflow or failure.
- Municipal Official Community Plan development includes a referral to the water commission. Staff advised that CRD referrals are more technical in nature than related to land use.
- Aging infrastructure and ability to upgrade it in a timely fashion was noted as one of the biggest risks for the Commission.
- The Commission has not been successful in receiving Federal Government Grants. The grants are generally more focused on local smaller service areas.
- The service meets the Fire Underwriters Standards for fire protection.

Requests from the Commission:

- That future iteration of the Juan de Fuca Water Distribution System map (slide 7) include First Nation's distribution lines represented in another colour.
- That staff consider public education for Strata developments regarding regular water flushing for water quality maintenance.

Staff recommend that all commissioners review the budget staff report from the September 6, 2022 meeting.

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

9.2. East Sooke Water Servicing Study

J. Marr introduced the staff report.

Discussion ensued and staff stated that the report is presented for information in order to identify the feasibility and costs of expanding to those areas.

Staff responded to questions regarding:

- Costs and approvals processes if a developer wished to proceed.

- Other water systems and Improvement Districts processes.
- Well costs versus connection charges.
- Promotion of rainwater capture systems.

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

9.3. Summary of Recommendations from Other Water Commissions

I. Jesney stated that the summary of recommendations from other water commissions is presented to each water commission so that they are aware of what is occurring at the other water commissions.

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

9.4. Water Watch Report

I. Jesney spoke to the water watch report and reviewed the various graphs and data presented.

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

10. WATER ADVISORY COMMITTEE APPOINTMENT OF REPRESENTATIVE

I. Jesney advised that each water commission is required to provide a representative on the Water Advisory Committee. He noted that the representation has typically been through the Vice Chairs of each of the Commissions.

MOVED by Commissioner Pearson, **SECONDED** by Commissioner Harder,
That the Juan de Fuca Water Distribution Commission appoint the Vice Chair to the Water Advisory Committee for a two-year term ending December 31, 2024.

CARRIED

11. JUAN DE FUCA WATER DISTRIBUTION COMMISSION MEETING SCHEDULE

Regular meetings of the Juan de Fuca Water Distribution Commission shall be held at CRD Integrated Water Services, Goldstream Conference room, 479 Island Highway, Victoria, BC on the first Tuesday of the month commencing at 12 pm unless otherwise determined.

12. NOTICE(S) OF MOTION

There were none.

13. NEW BUSINESS

13.1. Recognition of Previous Commission and Chair

Commissioner Rogers stated his appreciation and thanks to the previous Juan de Fuca Water Distribution Commission members who served so well over the last four years, he offered his formal thanks to all of them.

He provided a special thank you to former Chair Gordie Logan for his exceptional work with staff and the Commission members during his tenure on the Commission.

MOVED by Commissioner Rogers, **SECONDED** by Commissioner Grove,
That the Chair, on behalf of the Commission, prepare a letter of appreciation for the work of last term’s Commissioners and that a letter of and token of appreciation be presented to the last term’s Chair for his work with the Commission.

CARRIED

14. ADJOURNMENT

MOVED by Commissioner Pearson, **SECONDED** by Commissioner Grove,
That the January 3, 2023 meeting be adjourned at 1:38 pm.

CARRIED

CHAIR

SECRETARY



Making a difference...together

JWDC 23-02

**REPORT TO JUAN DE FUCA WATER DISTRIBUTION COMMISSION
MEETING OF TUESDAY, MARCH 7, 2023**

SUBJECT **Juan de Fuca Water Distribution Service Capital Projects Update**

ISSUE SUMMARY

To provide the Juan de Fuca Water Distribution Commission with updates regarding ongoing capital projects and initiatives.

BACKGROUND

As part of delivering the Juan de Fuca Water Distribution Service 2023 Capital Plan there are several projects and initiatives that are underway. The following is an update on the major projects that are in progress.

20-07 | Goldstream Avenue Water Main Project – refer to Appendix A

Scope

This project is to replace aging asbestos cement (AC) water main along Goldstream Avenue from Hartsdale Drive to Veterans Memorial Parkway. The existing AC water main along this alignment is past its service life and not seismically resilient, putting it at increased risk of failure. The main is also being upsized to account for hydraulic capacity due to the future relocation of the Regional Water System's Transmission Main #4. Colquitz Engineering has been retained as the consultant for this project and are delivering design and construction phase services to the Capital Regional District (CRD). The project includes the following components:

- The replacement of 150-millimeter (mm) and 200mm diameter AC water mains with approximately 1,600 metres of 400mm diameter ductile iron (DI) water main.

Budget

The overall budget for this project is \$5.8 million however due to known market escalation, CRD has also set aside funding from the AC Pipe Replacement Program (20-03) to address any potential overages, up to a maximum project limit of \$8 million.

Schedule

This project was tendered in December 2021 but was postponed due to pricing exceeding available budget. CRD reassessed and determined this project should be less expensive to construct with CRD staff in a subsequent year. A new design consultant was onboarded in Q3/Q4 2022, to update the design and work with CRD staff during construction. Construction commenced in January 2023, starting at Veterans Memorial Parkway and working in a westward direction. The intended schedule, based on feedback from City of Langford, is for CRD to continue moving west with the intention of being out of the main core (past Peatt Road) prior to summer and all works being completed before the end of 2023.

Community Impacts/Permits

There will be two impacts of note because of this project. The primary impact will be the disruption of traffic along Goldstream Avenue that will require partial road closures resulting in one way traffic delays. Coordination of these impacts has been completed with engineering staff from the City of Langford. Work in the vicinity of the schools will be scheduled outside of school hours. The secondary impact is that there may also be minor water supply outages as connections are made between existing and new system components.

Permits required for this project are:

- Island Health – Construction permit (received)
- City of Langford – Roads permit (received)

18-05 | Rocky Point Water Upgrades Project – refer to Appendix B

Scope

This project is cost-shared between the CRD and the Department of National Defense (DND). DND has agreed to pay its share of the design and construction through a contribution agreement as this project increases both the fire flow and domestic flows to the CRD as well as the DND-owned water systems. Stantec has been retained as the consultant for this project and are delivering design and construction phase services to the CRD. The contractor constructing the project is Industra Construction Corporation. The project includes the following components:

- Replacement of the existing Rocky Point pump station.
- Replacement of 560 metres of 200mm diameter AC water main with 250mm diameter Polyvinyl Chloride (PVC) water main.
- Construct a new 1,700 cubic meter Deer Park reservoir and decommission the existing reservoir.
- Upgrade the existing Deer Park pump station.
- Construct a new Deer Park pressure reducing station.
- Construct 2,400 meters of 300mm diameter DI and 75mm diameter PVC water mains. This item is to be 100% funded and owned by DND.

Budget

The overall budget for this project is \$9.7 million with DND contributing approximately \$6.1 million.

Schedule

The original schedule was to have this work completed at the end of 2022, however it is now scheduled to be completed June 2023. The delays claimed are due to supply chain disruptions, logistics, and labor shortages. The project is approximately 80% complete.

Community Impacts/Permits

There are two noticeable impacts to the community. The first is traffic interruption on Rocky Point Road for installation of water mains and the second is general construction activity impact on adjacent neighbours of the Deer Park reservoir and pump station. The majority of this work has been completed but some paving and water connection tie-ins remain. There will also be minor water supply outages as connections are made between existing and new system components.

Permits required for this project are:

- Island Health – Construction permit (received)

- District of Metchosin:
 - Roads permit (received)
 - Building permit (received)
 - Variance permit (received)

23-01 | South Skirt Water Upgrades Project – refer to Appendix C

Scope

This project is the combination of two previous projects that were combined for both management and financial efficiencies. The project is required due to development growth and is part of the Development Cost Charge component of the 2022 Capital Plan. Completion of this project will complete the water system upgrade for South Skirt Mountain. Stantec has been retained as the consultant for this project and are delivering design and construction phase services to the CRD. The contractor constructing the project is Coast Utility Contracting Ltd. The project includes the following components:

- Construct a new McCallum pump station. Originally tendered by itself and came in over budget. Subsequently included with the combined scope here. This pump station will pump water to Tank #4.
- Construct a new pump station #7. This will take water from Tank #4 and pump to the existing Skirt Mountain reservoir.
- Construct a new 2,750 cubic meter Tank #4.

Budget

The overall budget for this project is \$9.1 million with \$5 million remaining in the budget for 2023. The project is currently on budget.

Schedule

This project is currently in the construction phase with construction completion planned for June 2023. The project is approximately 40% complete.

Community Impacts/Permits

The only noticeable impact to the community will be traffic disruptions on both McCallum Road and Bear Mountain Parkway.

Permits required for this project are:

- Island Health – Construction permit (received)
- City of Langford:
 - Roads permit (received)
 - Building permit (received)

20-06 | Sunriver Reservoir Replacement Project – refer to Appendix D

Scope

This project is to install a new bolted steel tank to increase capacity and system resilience. Additional land from the developer was also provided adjacent to the new reservoir for an additional future tank of the same size when expansion of the distribution network requires an increase in water storage. Stantec was retained as the consultant for this project and are delivering design and construction phase services to the CRD. The contractor constructing the project is Coast Utility Contracting Ltd. The project includes the following components:

- Construction of a new 1,355 cubic meter glass-fused bolted steel water reservoir and connection to the existing water distribution system.

Budget

The overall budget for this project is \$1.7 million. The project is approximately 99% complete and is forecast to be within budget.

Schedule

This project is scheduled to be complete in the beginning of March 2023 and was approximately 18 weeks late due to equipment delays.

16-05 | Comprehensive Pump Station Upgrades (10-year Program) – Coppermine Pump Station #1 – refer to Appendix E

Scope

The existing pump station and pressure control station are in poor condition. A new pump station is required to increase flow to and reduce recovery time of the reservoir. The new pumps will be designed to achieve minimum fire flows and domestic flows when the Coppermine Reservoir is offline. The project includes the following components:

- Design and construction of the complete replacement of the existing pump station
- Inclusion of a pressure control station within the new pump station

Budget

The overall budget for this project is approximately \$2 million.

Schedule

This project is currently in the design procurement stage with design completion scheduled for the end of summer 2023, construction is scheduled to start fall/winter 2023 with project completion scheduled for summer 2024.

Community Impacts/Permits

The primary impact will be the potential for disruption of traffic along Copper Mine Road. There may also be minor water supply outages as connections are made between existing and new system components.

Permits required for this project are:

- Island Health – Construction permit
- Ministry of Transportation and Infrastructure – Roads permit

16-07 Update Development Cost Charge (DCC) Bylaw

Scope

Every five years the CRD updates the DCC bylaw to identify growth-related infrastructure requirements and the associated financial implications to the DCC program. The project includes the following components:

- Identify areas of growth which have, or will occur in member municipalities, any rezoning changes, Official Community Plan (OCP) amendments or any servicing concept changes in response to development that has occurred and identify the growth-related infrastructure requirements and associated financial implications.

- Updated water distribution model and analysis of the current distribution network, facilities and appurtenances to identify improvements needed to support development based on their OCPs and anticipated population growth within the next 5,10- and 20-year time frames.
- Conceptual designs and cost estimates for required improvements (i.e. Pump stations, reservoirs, pressure control stations and pipelines).
- Updating the CRD 5-Year Capital Plan with updated DCC projects.
- Updating CRD Bylaw 2758 Development Cost Charges Bylaw (Juan de Fuca Water Distribution).

Budget

The overall budget for this project is \$175,000.

Schedule

The notice of award was issued to the successful consultant, Urban Systems, on January 5, 2023 and the project kickoff meeting was January 19, 2023. The project is expected to be complete by the fall of 2023, with the capital works planning and financial updates completed mid-summer to meet 2024 capital planning.

Community Impacts

The primary impact will be the required coordination between the CRD and the Juan de Fuca Water Distribution Commission member municipalities and their planning departments.

20-03 | AC Pipe Replacement Program – refer to Appendix F

Scope

The Juan de Fuca (JDF) Distribution System includes a variety of pipe materials but based on age and anticipated service life, AC watermains are known to be among the highest priority for replacement. As such, the CRD manages the AC Pipe Replacement Program which prioritizes AC pipe replacement on a combination of factors including age, leak history, flow/capacity and other ancillary information (operational input, operating pressure, proximity to other capital works, etc.).

- Design and construction of the complete replacement of AC water mains at various locations within the Juan de Fuca water distribution system.

Budget

The overall budget for this project in 2023 is approximately \$3.9 million.

Schedule

CRD is currently finalizing a Request for Proposals (RFP) for a design consultant to complete the designs for 2023 and 2024 construction, with options to extend for up to two additional years. This years' design consultant contract will be combined with the Seagirt water main project (not JDF funded) and East Sooke Interconnect (22-01) project. Some of the 2023 funding may be allocated toward the Goldstream AC Watermain Replacement project, which was originally initiated from the AC Pipe Replacement program. The water main designs are anticipated to be complete by summer 2023 with construction taking place in the fall of 2023.

Community Impacts/Permits

The primary impact will be the potential for disruption of traffic along roads that the new water mains will be installed. There may also be minor water supply outages as connections are made between existing and new system components.

Permits required for this project are:

- Island Health – Construction permit
- Various Municipalities– Roads permit

22-01 | East Sooke Interconnect Watermain – refer to Appendix G

Scope

This project is the construction of approximately 430 meters of watermain on East Sooke Road between Coppermine Road and Raglan Place. The interconnection will provide redundancy, reduce operational issues and improve flows in the area.

Schedule

CRD is currently finalizing an RFP for a design consultant to complete the design by summer 2023, with tendering and construction to start in the fall of 2023.

Budget

The overall budget for this project is \$500,000.

Community Impacts/Permits

The primary impact will be the potential for disruption of traffic along East Sooke Road where the new water main will be installed. There may also be minor water supply outages as connections are made between existing and new system components.

Permits required for this project are:

- Island Health – Construction permit
- Ministry of Transportation and Infrastructure – Roads permit

CONCLUSION

In the 2023 Capital Budget for the Juan de Fuca Water Distribution Service there are 34 projects proposed with a budget of \$26,845,000. Seven of these projects account for 70% or \$18,780,000 of the 2023 budget and are currently in progress. Updates on these projects, have been provided with details on scope, budget, schedule and community impacts/permits.

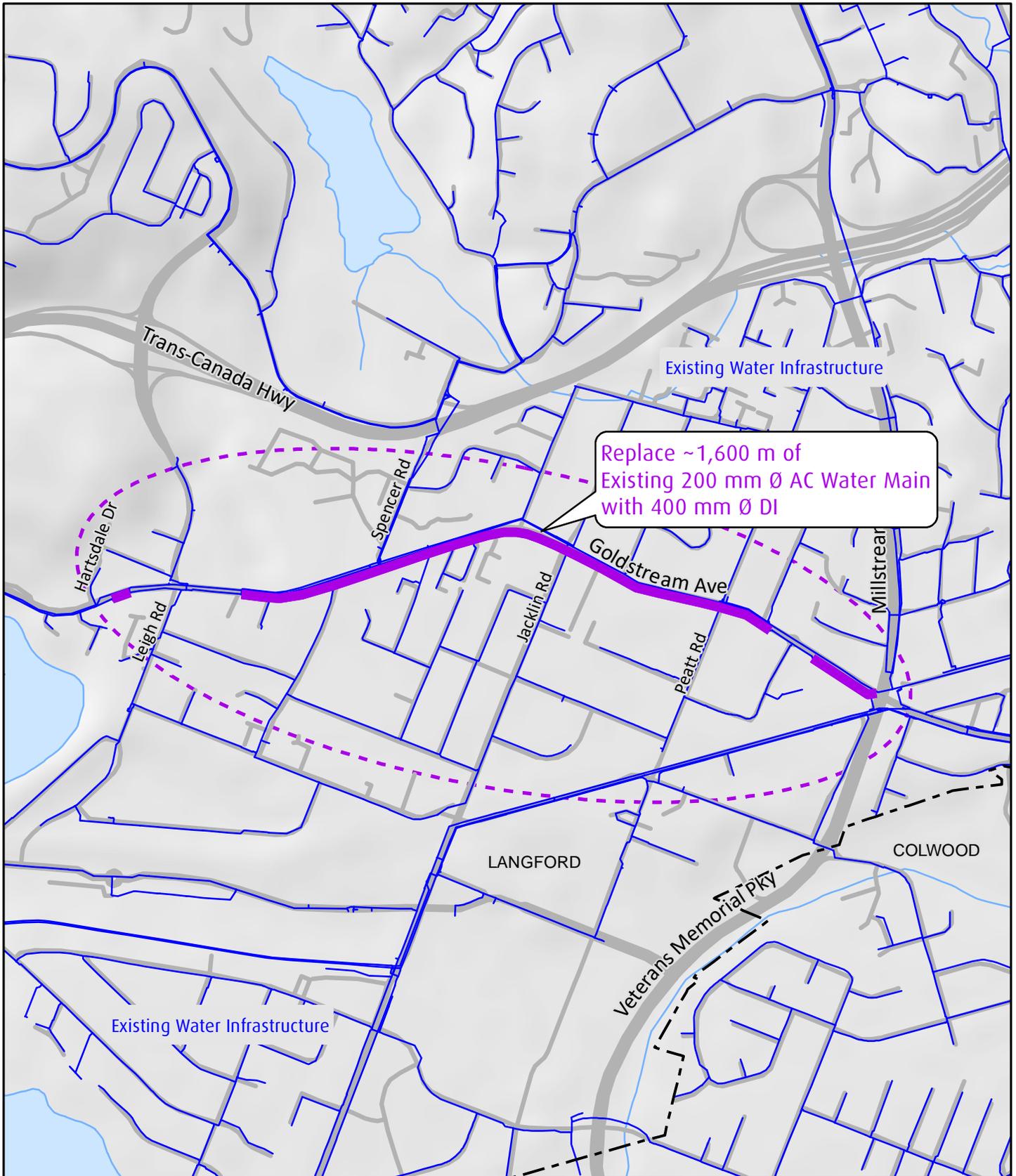
RECOMMENDATION

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

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

ATTACHMENTS

- Appendix A: Goldstream Avenue Water Main Project
- Appendix B: Rocky Point Water Upgrades Project
- Appendix C: South Skirt Water Upgrades Project
- Appendix D: Sunriver Reservoir Replacement Project
- Appendix E: Coppermine Pump Station #1
- Appendix F: AC Pipe Replacement Program
- Appendix G: East Sooke Interconnect Watermain



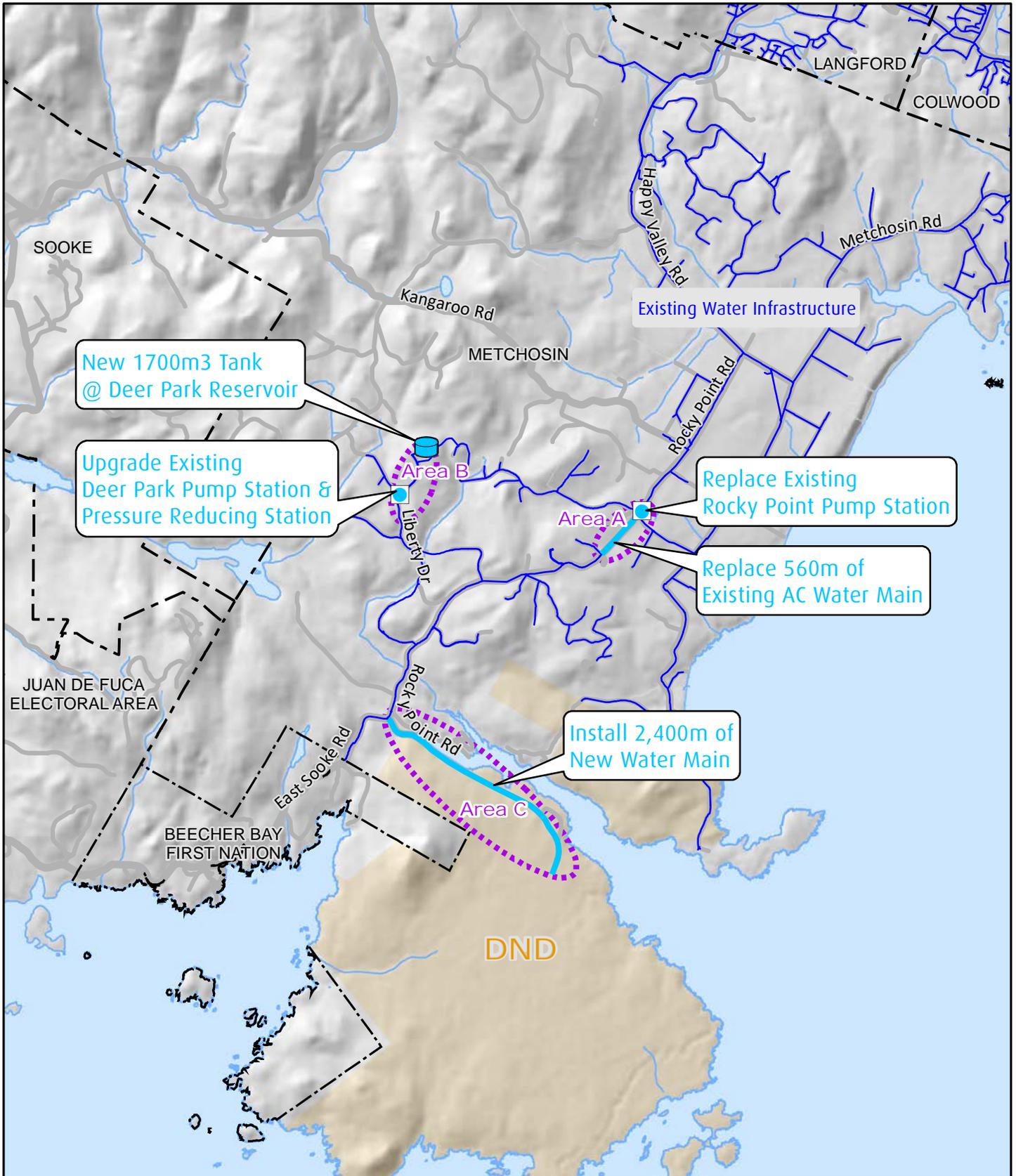
JdF Water Distribution Service Projects Update
Goldstream Avenue Water Main Project



Figure 1

DISCLAIMER

This map is for general information only and may contain inaccuracies.
January 2023 | 2023AppendixA_Goldstream_Fig1.mxd | helpdesk@crd.bc.ca



0 250 500 1,000 1,500 Metres

UTM Zone 10N NAD 1983



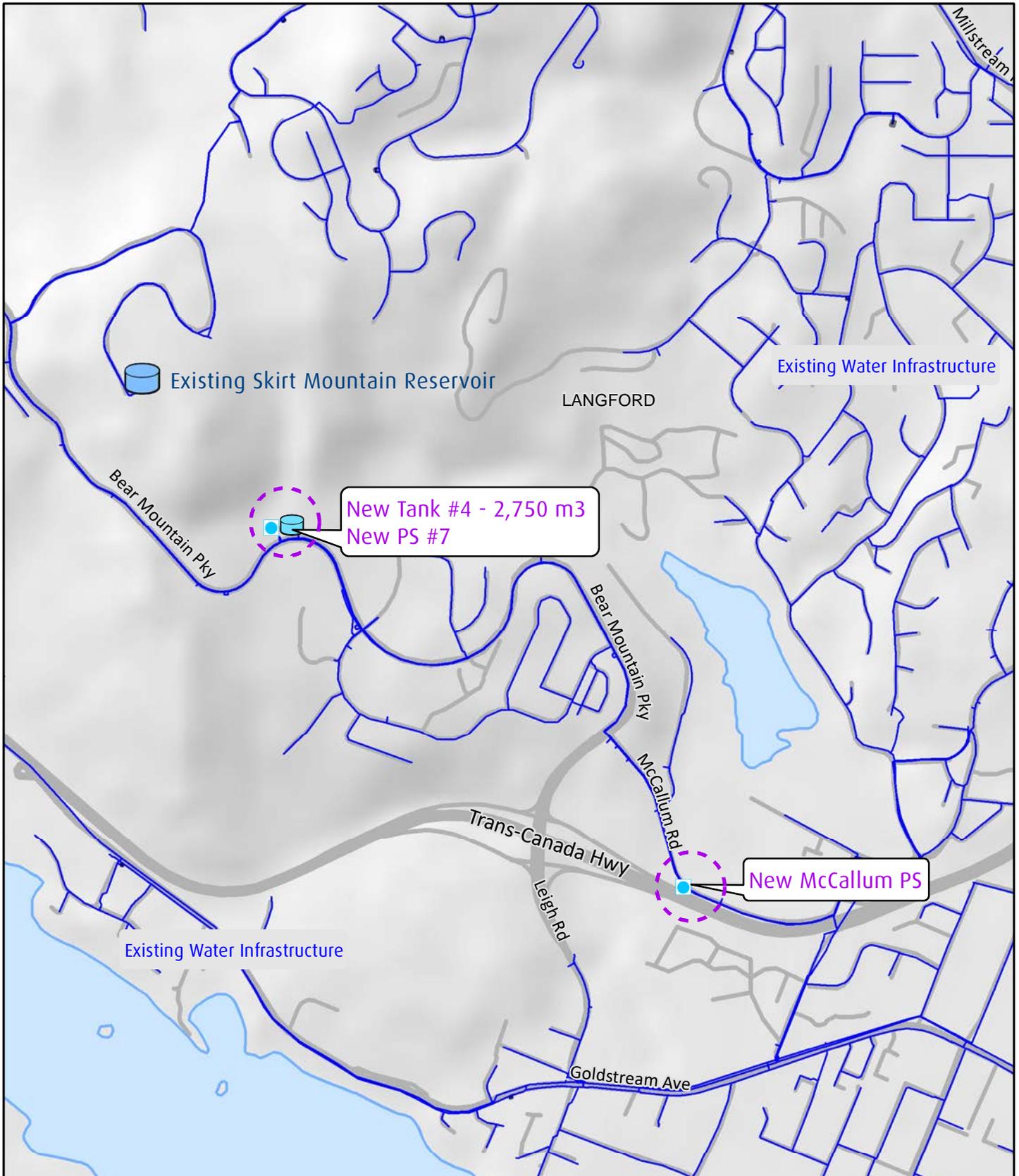
JdF Water Distribution Service Projects Update Rocky Point Water Upgrades Project Proposed Upgrade Areas

Figure 2

DISCLAIMER

This map is for general information only and may contain inaccuracies.
January 2023 | 2023AppendixB_RockyPointOverall_Fig2.mxd | helpdesk@crd.bc.ca





UTM Zone 10N NAD 1983



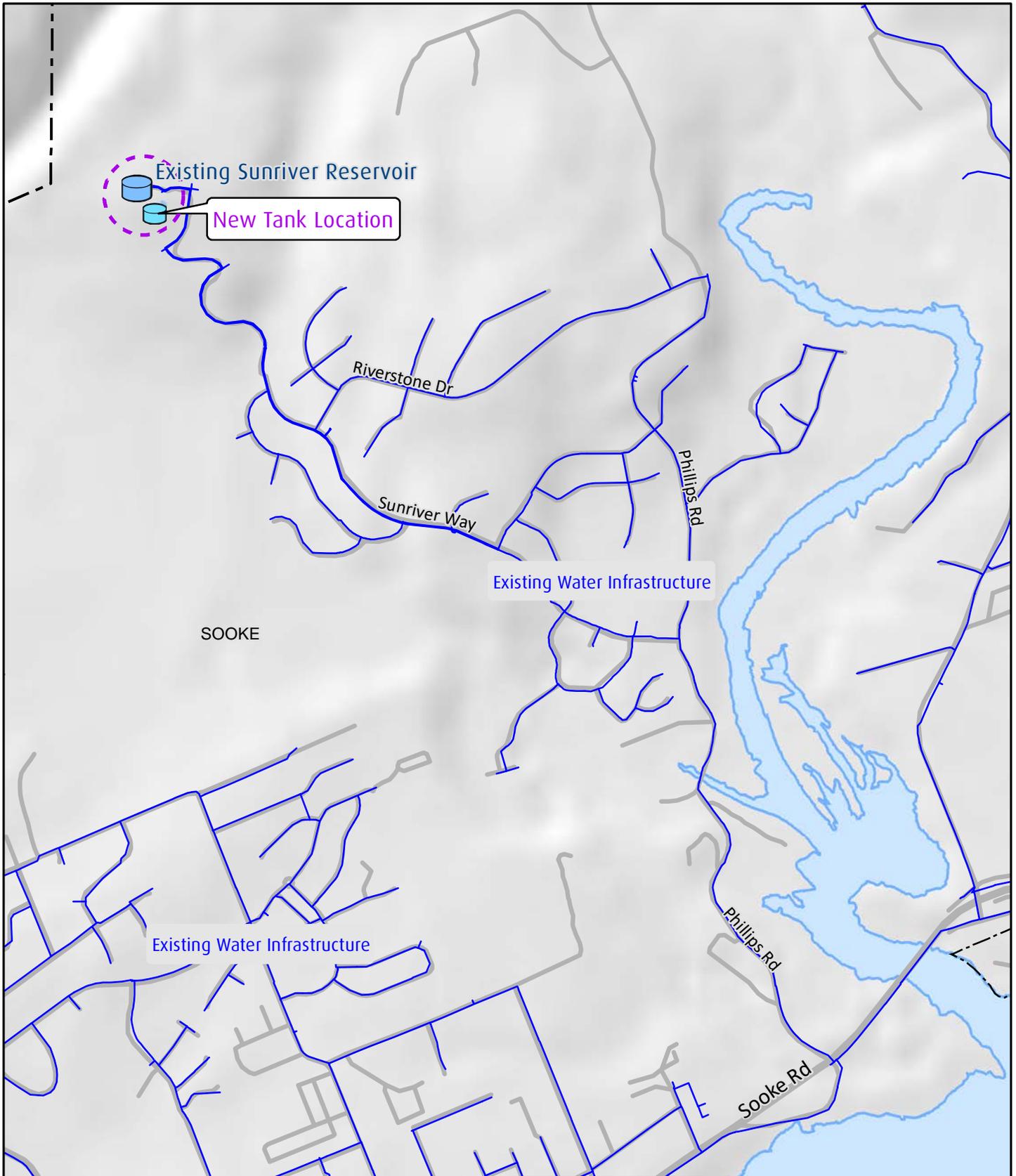
JdF Water Distribution Service Projects Update
 South Skirt Mountain Water Upgrades Project
 Project Location

Figure 3

DISCLAIMER

This map is for general information only and may contain inaccuracies.
 January 2021 | 2023AppendixC_SouthSkirt_Fig3.mxd | helpdesk@crd.bc.ca





UTM Zone 10N NAD 1983



JdF Water Distribution Service Projects Update
 Sunriver Reservoir Replacement Project
 Project Location

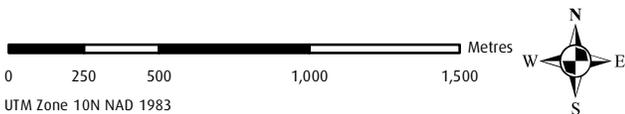
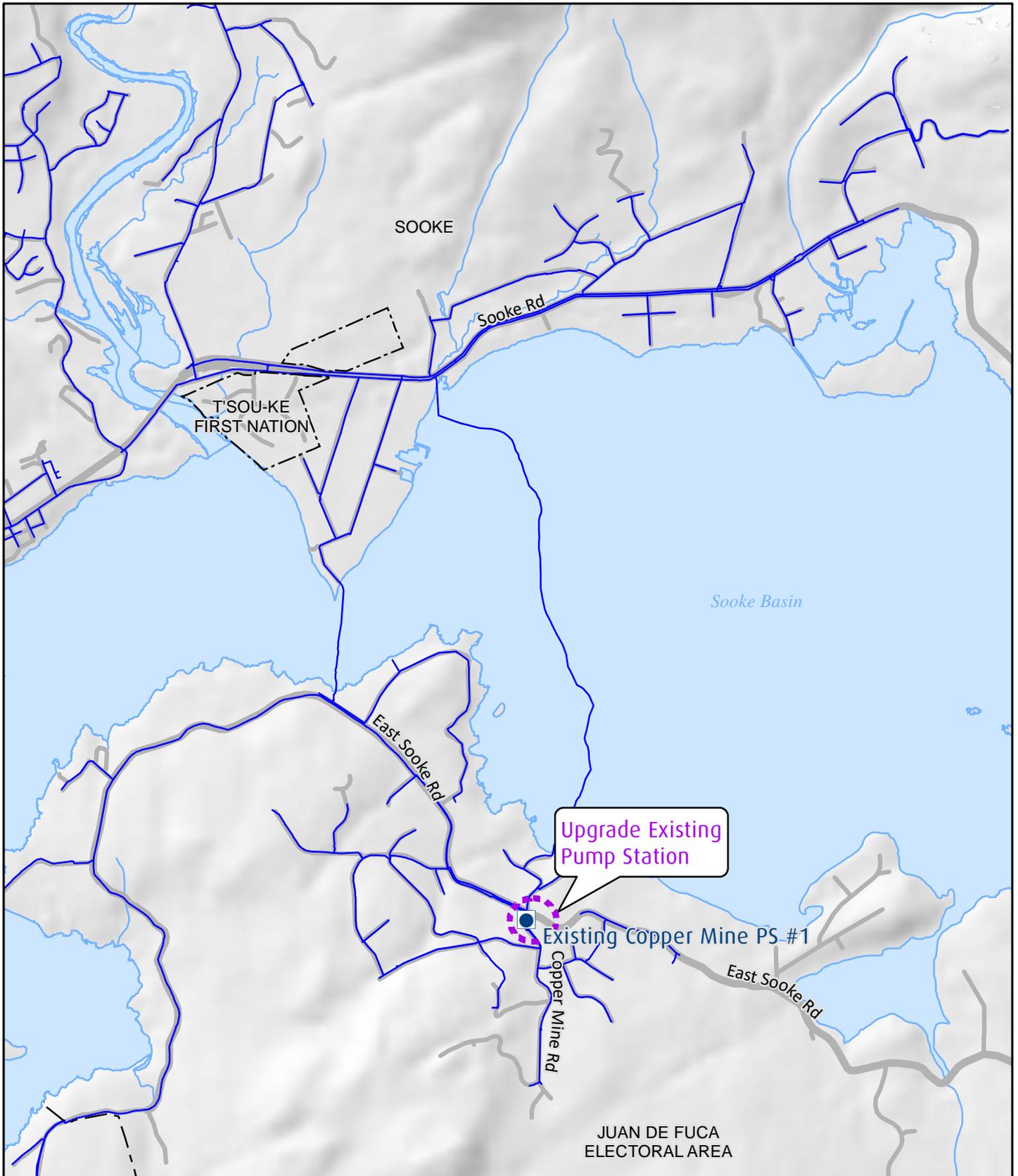
Figure 4

DISCLAIMER

This map is for general information only and may contain inaccuracies.

January 2023 | 2023AppendixD_Sunriver_Fig4.mxd | helpdesk@crd.bc.ca





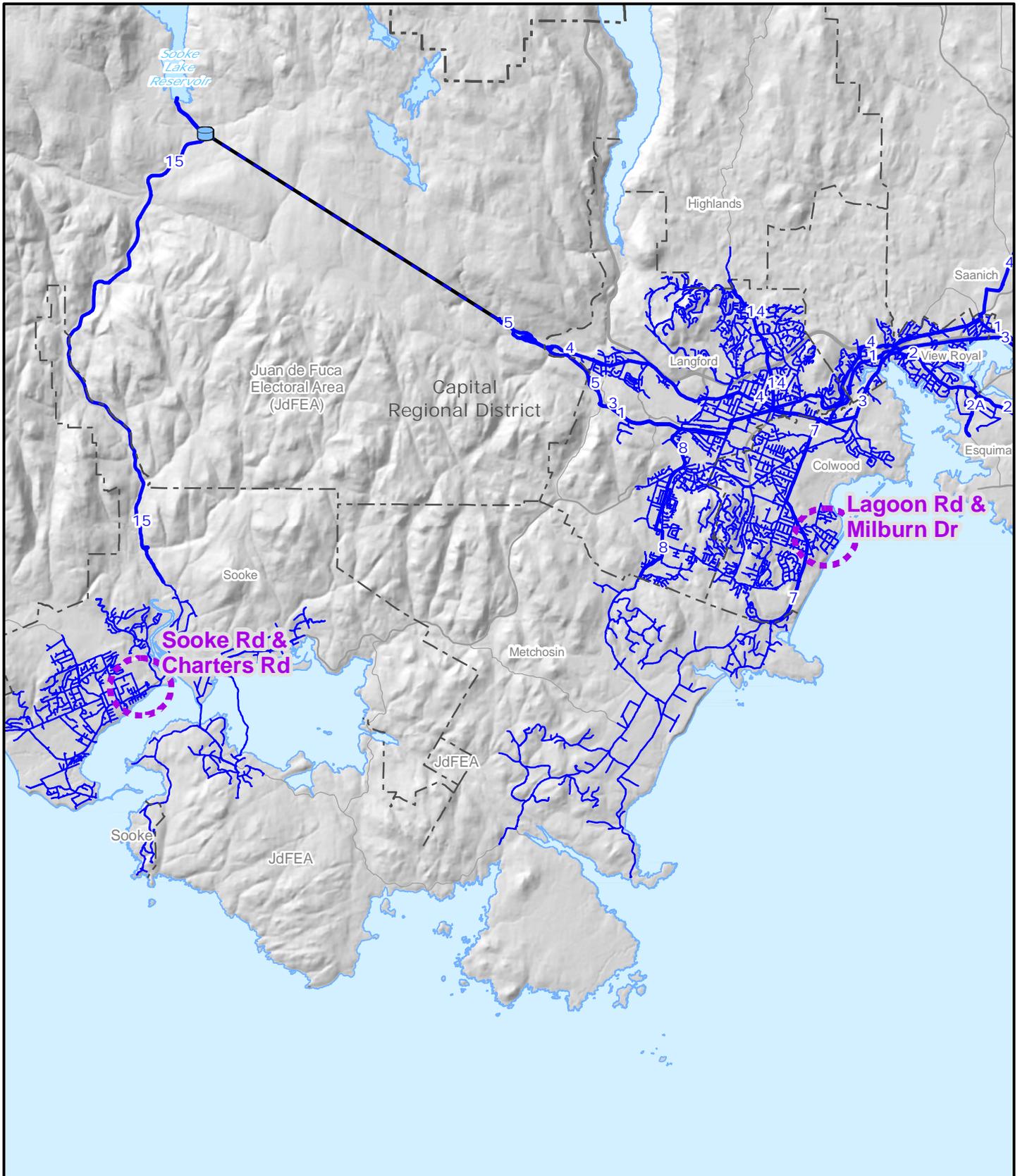
JdF Water Distribution Service Projects Update
 Coppermine Pump Station #1
 Project Location

Figure 5

DISCLAIMER

This map is for general information only and may contain inaccuracies.
 January 2023 | 2023AppendixE_CopperMineEastSooke_Fig5.mxd | helpdesk@crd.bc.ca





0 0.5 1 2 3 4 Kilometres

UTM Zone 10N NAD 1983



JdF Water Distribution Service Projects Update
AC Pipe Replacement Program
Project Locations

Figure 6

DISCLAIMER

This map is for general information only and may contain inaccuracies.

February 2023 | 2023AppendixF_ACReplacementProjects_Fig6.mxd | helpdesk@crd.bc.ca





JdF Water Distribution Service Projects Update
 AC Pipe Replacement Program
 Lagoon Rd & Milburn Dr



Figure 7



UTM Zone 10N NAD 1983



DISCLAIMER

This map is for general information only and may contain inaccuracies.

February 2023 | 2023AppendixF_ACReplacementProjects_Fig7.mxd | helpdesk@crd.bc.ca



JdF Water Distribution Service Projects Update
 AC Pipe Replacement Program
 Sooke Rd & Belvista Pl & Charters Rd



Figure 8

0 25 50 100 150 Metres

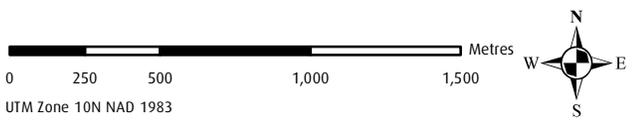
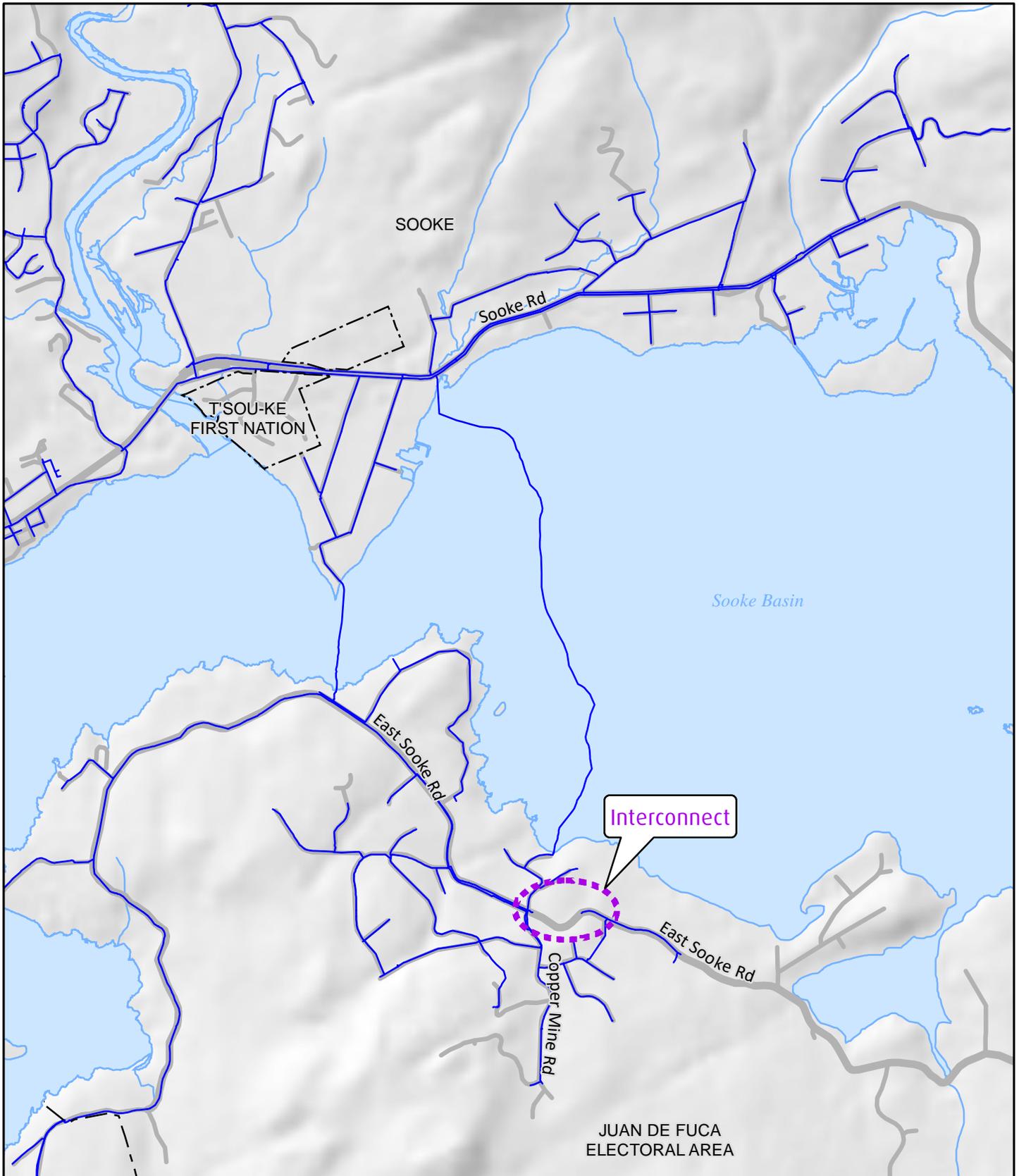
UTM Zone 10N NAD 1983



DISCLAIMER

This map is for general information only and may contain inaccuracies.

February 2023 | 2023AppendixF_ACReplacementProjects_Fig8.mxd | helpdesk@crd.bc.ca



DISCLAIMER

This map is for general information only and may contain inaccuracies.
January 2023 | 2023AppendixG_East Sooke Interconnect WaterMain_Fig9.mxd | helpdesk@crd.bc.ca

JdF Water Distribution Service Projects Update
East Sooke Interconnect Water Main
Project Location

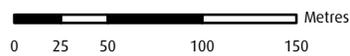


Figure 9



JdF Water Distribution Service Projects Update
 East Sooke Interconnect Water Main
 Project Site

Figure 10



UTM Zone 10N NAD 1983



DISCLAIMER

This map is for general information only and may contain inaccuracies.

February 2023 | 2023AppendixG_EastSookeInterconnectWaterMain_Fig10.mxd | helpdesk@crd.bc.ca



Capital Regional District

HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, February 15, 2023

11:30 AM

6th Floor Board Room
625 Fisgard Street
Victoria, BC

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

3. ADOPTION OF MINUTES

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

CARRIED

7. COMMISSION BUSINESS

7.1 2023-2027 Regional Water Supply Service Capital Plan Update

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

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

CARRIED

The Following Reports Were Received for Information

7.2 2022 GVWSA Wildfire Management

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

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

7.5. Summary of Recommendations from Other Water Commissions

7.6. Water Watch Report



Capital Regional District

HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, January 18, 2023

11:30 AM

CRD Boardroom
625 Fisgard Street
Victoria, BC

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

2. ELECTION OF CHAIR

Gord Baird was acclaimed as Chair.

3. ELECTION OF VICE CHAIR

Celia Stock was elected as Vice Chair.

5. ADOPTION OF MINUTES

That the minutes of the September 28, 2022 meeting be adopted.

CARRIED

9. COMMISSION BUSINESS

9.2 Commission Representation on Water Advisory Committee and Committee Member Appointments

Recommendation: That the Regional Water Supply Commission:

1. Appoint the Vice Chair to the Water Advisory Committee for a one-year term ending December 31, 2023; and,
2. Strike a nominating committee consisting of the Commission Chair or Chair's delegate, Commission Vice Chair, Juan de Fuca Water Distribution Commission Vice Chair and Saanich Peninsula Water Commission Vice Chair to review the applications; and that the nominating committee report back to the Commission, providing its recommendations for appointment in a closed meeting.

CARRIED



Capital Regional District

HOTSHEET AND ACTION LIST

Saanich Peninsula Water Commission

Thursday, January 19, 2023

9:30 AM

Sidney Community Safety Building
2245 Oakville Ave
Sidney BC

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

2. ELECTION OF CHAIR

David Kelbert was acclaimed as Chair.

3. ELECTION OF VICE CHAIR

Mike Doehnel was acclaimed as Vice Chair

5. ADOPTION OF MINUTES

That the minutes of the September 22, 2022 meeting be adopted.

CARRIED

9. COMMISSION BUSINESS

9.2. Appointment of Representative to the Water Advisory Committee

Recommendation: That the Saanich Peninsula Water Commission appoint the Vice Chair to the Water Advisory Committee for a one-year term ending December 31, 2023.

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued February 27, 2023

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	February 28 5 Year Ave		February 28/22		February 26/23		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,688	20,391	92,727	20,400	89,741	19,743	96.8%
Goldstream	8,144	1,792	9,825	2,162	9,905	2,179	99.9%
Total	100,831	22,183	102,552	22,561	99,646	21,922	97.1%

2. Average Daily Demand:

For the month of February	100.6 MLD	22.14 MIGD
For week ending February 26, 2023	101.6 MLD	22.35 MIGD
Max. day February 2023, to date:	106.5 MLD	23.44 MIGD

3. Average 5 Year Daily Demand for February

Average (2018 - 2022)	102.0 MLD ¹	22.43 MIGD ²
-----------------------	------------------------	-------------------------

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

4. Rainfall February:

Average (1914 - 2022):	190.3 mm
Actual Rainfall to Date	154.4 mm (81% of monthly average)

5. Rainfall: Sep 1- Feb 26

Average (1914 - 2022):	1,242.0 mm
2022/2023	788.5 mm (63% of average)

6. Water Conservation Action Required:

To avoid possible leaks this spring, now is the time to winterize your sprinkler system.
Visit our website at www.crd.bc.ca/water for more information.

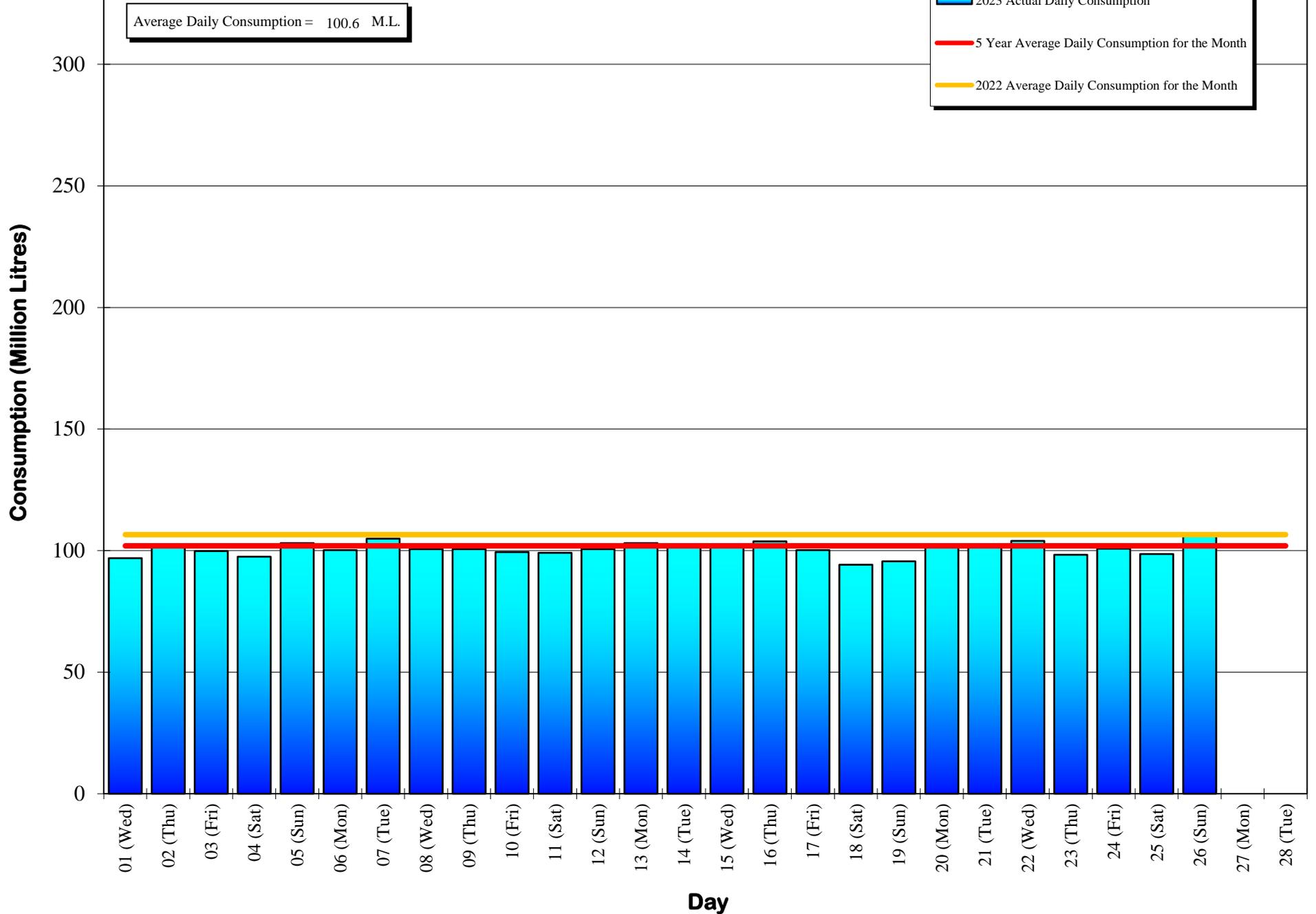
If you require further information, please contact:

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

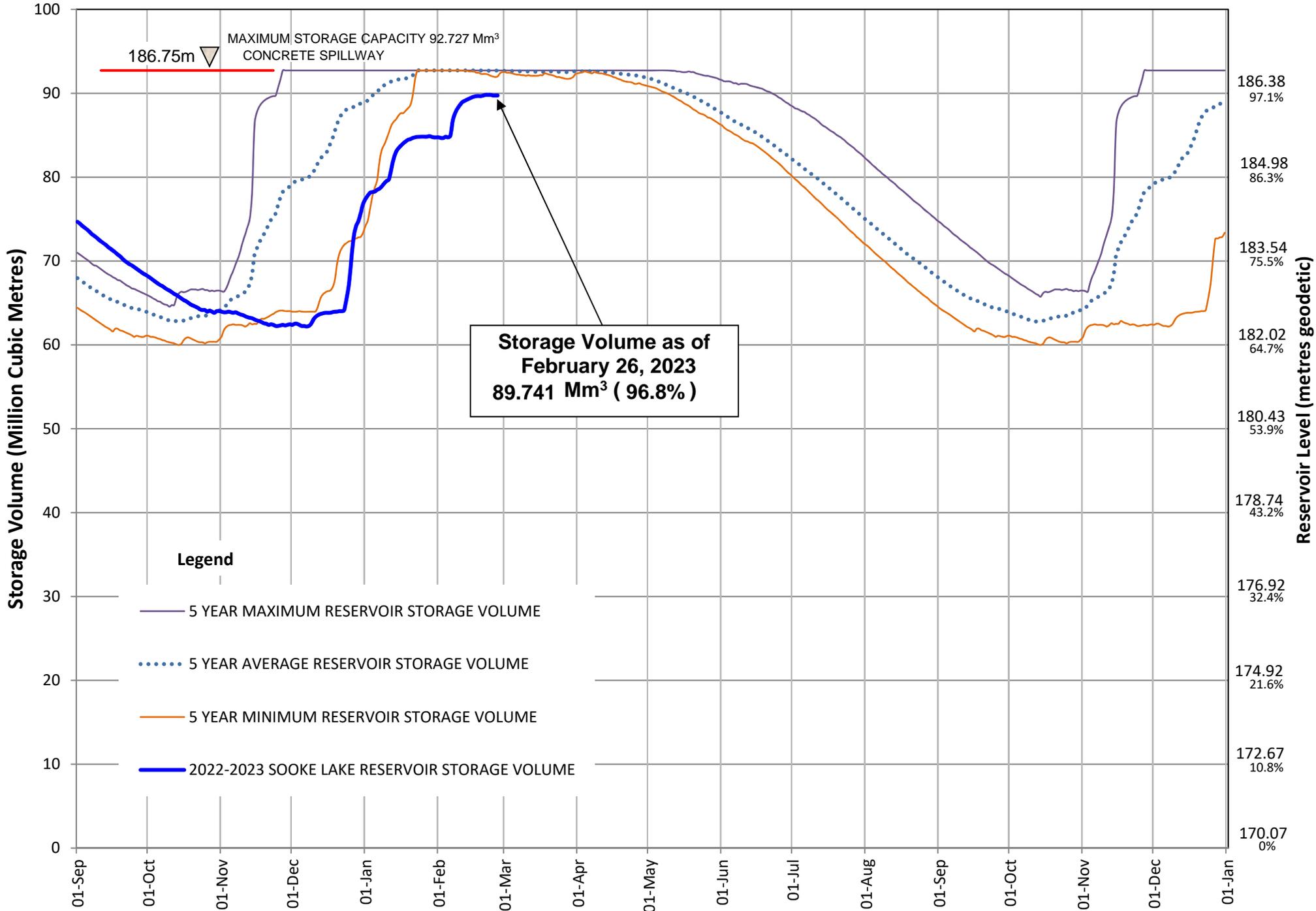
Capital Regional District Integrated Water Services
479 Island Highway
Victoria, BC V9B 1H7
(250) 474-9600

Daily Consumption

February 2023

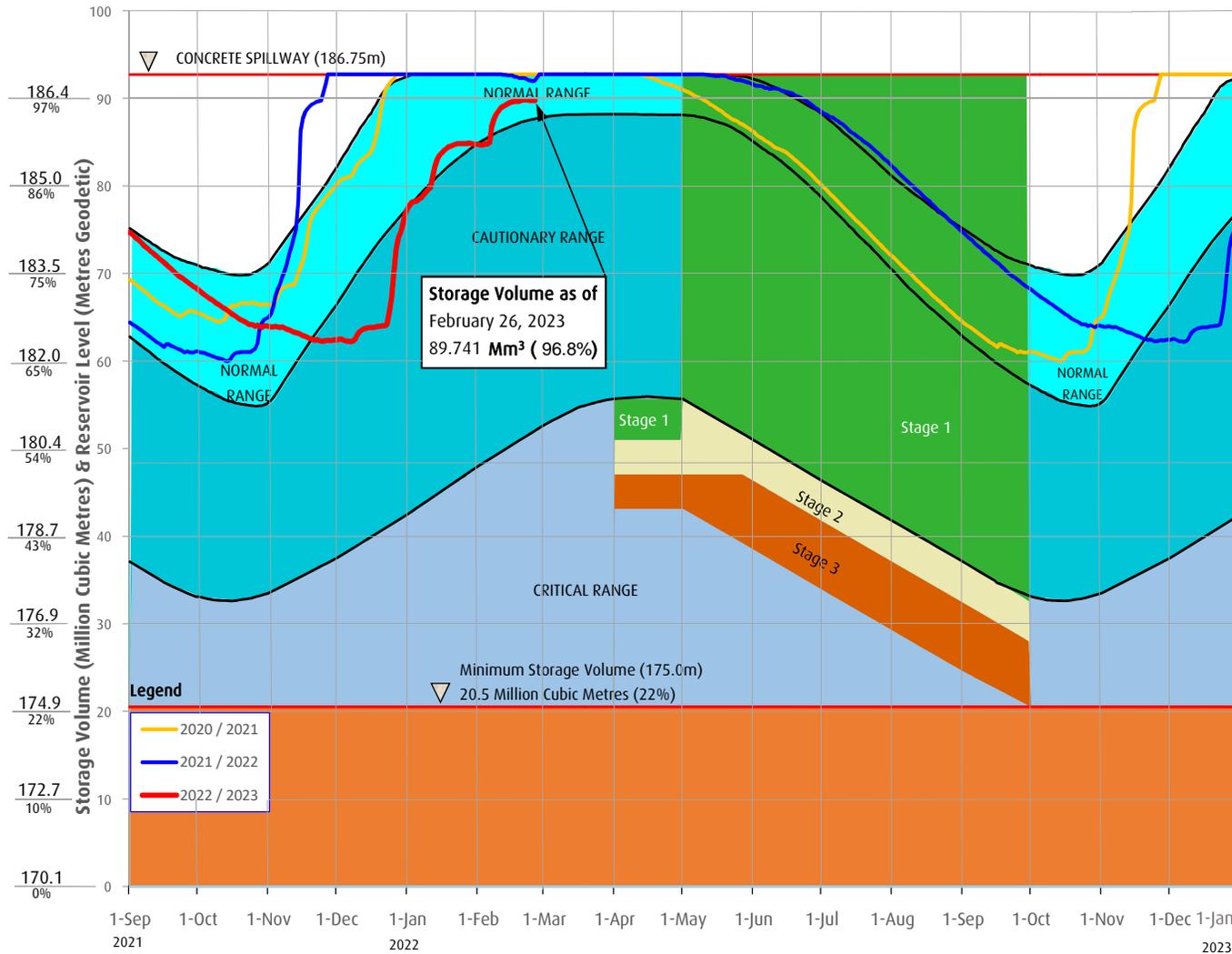


SOOKE LAKE RESERVOIR STORAGE SUMMARY 2022 / 2023



Sooke Lake Reservoir Storage Level

Water Supply Management Plan



FAQs

How are water restriction stages determined?

Several factors are considered when determining water use restriction stages, including,

1. Time of year and typical seasonal water demand trends;
2. Precipitation and temperature conditions and forecasts;
3. Storage levels and storage volumes of water reservoirs (Sooke Lake Reservoir and the Goldstream Reservoirs) and draw downs (Sooke Lake Reservoir and the Goldstream Reservoirs) and draw 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 February 26, 2023

