



Notice of Meeting and Meeting Agenda Water Advisory Committee

Tuesday, September 22, 2026

12:00 PM

Goldstream Meeting Room
479 Island Hwy
Victoria BC V9B 1H7

Members of the public can view the live meeting via MS Teams link: [Click here](#)

M. Wagner (Chair), K. Zimmerman (Vice Chair), M. Engelsjord, A. Fernandes, D. Halldorson, H. Lettrari, A. McArdle, C. Nowakowski, K. Oppen, J. Rogers, W. Scheuer, H. Unger

The Capital Regional District strives to be a place where inclusion is paramount and all people are treated with dignity. We pledge to make our meetings a place where all feel welcome and respected.

1. Territorial Acknowledgement

2. Approval of Agenda

3. Adoption of Minutes

3.1. [26-1057](#) Minutes of the Water Advisory Committee of April 14, 2026

Recommendation: That the minutes of the Water Advisory Committee meeting of April 14, 2026 be adopted as circulated.

Attachments: [Minutes: April 14, 2026](#)

4. Chair's Remarks

5. Presentations/Delegations

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

Delegations will have the option to participate electronically. Please complete the online application at www.crd.ca/address no later than 4:30 pm two days before the meeting and staff will respond with details.

Alternatively, you may email your comments on an agenda item to the Commission at legserv@crd.bc.ca.

6. Committee Business

6.1. [26-0873](#) General Manager's Verbal Update - September 2026

Recommendation: There is no recommendation. This verbal update is for information only.

6.2. [26-1050](#) Two Years Post-Thinning

Recommendation: There is no recommendation. This presentation is for information only.

Attachments: [Presentation: Two Years Post-Thinning](#)

6.3. [26-0939](#) 2027 Budget Update - Water Services Comparison

Recommendation: There is no recommendation. This presentation is for information only.

Attachments: [Presentation: 2027 Budget Update - Comparison](#)

6.4. [26-1051](#) Regional Water Supply Master Plan Program Implementation Update

Recommendation: There is no recommendation. This presentation is for information only.

Attachments: [Presentation: RWS Master Plan Program Implementation Update](#)

6.5. [26-1037](#) Summary of Recommendations from Regional Water Supply Commission

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

Attachments: [Summary: RWSC - April 15, 2026](#)
 [Summary: RWSC - May 20, 2026](#)
 [Summary: RWSC - June 17, 2026](#)
 [Summary: RWSC - July 15, 2026](#)
 [Summary: RWSC - September 16, 2026](#)

6.6. [26-1038](#) Water Watch Report - September 2026

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

Attachments: [Water Watch Report - September 15, 2026](#)

6.7. [26-1012](#) Monthly Water Quality Dashboard - July & August 2026

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

Attachments: [Monthly Water Quality Dashboard - July 2026](#)
 [Monthly Water Quality Dashboard - August 2026](#)

7. Notice(s) of Motion**8. New Business****9. Adjournment**

The next meeting is at the Call of the Chair.

Meeting Minutes

Water Advisory Committee

Tuesday, April 14, 2026

12:00 PM

Goldstream Meeting Room
479 Island Hwy
Victoria BC V9B 1H7

PRESENT:

M. Wagner (Chair), M. Engelsjord, A. Fernandes (EP), D. Halldorson, H. Lettrari (EP), A. McArdle (EP),
W. Scheuer, H. Unger, K. Zimmerman

STAFF: S. Irg, Acting General Manager, Infrastructure and Water Services; C. Moch, Manager, Water
Quality Operations; B. Shuck, Cross Connection Control Coordinator; M. Miklea, Deputy Corporate
Officer; M. MacDonald, Legislative Services Coordinator (Recorder)

EP - Electronic Participation

Guests: R. Beise, Island Health

Regrets: C. Nowakowski, K. Oppen, J. Rogers

The meeting was called to order at 12:02 pm.

1. Territorial Acknowledgement

Chair Wagner provided a Territorial Acknowledgement.

2. Election of Vice Chair

Chair Wagner called for nominations for the Vice Chair of the Water Advisory
Committee for 2026.

W. Scheuer nominated K. Zimmerman. K. Zimmerman accepted the
nomination.

Chair Wagner called for nominations a second time.

Chair Wagner called for nominations a third and final time.

Hearing no further nominations, Chair Wagner declared Kathleen Zimmerman
the Vice Chair of the Water Advisory Committee for 2026 by acclamation.

3. Approval of Agenda

MOVED by D. Halldorson, **SECONDED** by K. Zimmerman,
That the agenda for the Water Advisory Committee meeting of April 14, 2026 be approved.

CARRIED

4. Adoption of Minutes

4.1. [26-0424](#) Minutes of the Water Advisory Committee Meeting of November 25, 2025

MOVED by K. Zimmerman, **SECONDED** by M. Engelsjord,
That the minutes of the Water Advisory Committee meeting of November 25, 2025 be adopted as circulated.

CARRIED

5. Chair's Remarks

Chair Wagner thanked Committee members for the past year of service, welcomed new members to the Committee and advised watershed tours are now open for sign up.

MOVED by W. Scheuer, **SECONDED** by H. Lettrari,
That Rory Beise be permitted to participate in the Water Advisory Committee of April 14, 2026 as a representative of Island Health.

CARRIED

6. Presentations/Delegations

There were no presentations or delegations.

7. Committee Business

7.1. [26-0383](#) General Manager's Verbal Update - April

S. Irg presented Item 7.1. for information and noted the following:

- DCC Bylaw in progress and awaiting provincial review
- Water restrictions will be in effect May 1

Discussion ensued regarding:

- water reservoir levels
- impacts on individual watersheds and when reservoirs normally fill to their maximum
- Stage 1 is implemented by Bylaw, is the standard practice and doesn't indicate shortage
- additional stages available if needed

7.2. [26-0437](#) Bylaw No. 4754, Water Advisory Committee Bylaw No. 1, 1997, Repeal Bylaw No. 1, 2026 and Revised of Terms of Reference

M. Miklea presented Item 7.2. for information.

Discussion ensued regarding:

- First Nations involvement in committee
- bulk water agreements with First Nations in progress

7.3. [26-0410](#) Monthly Drinking Water Quality Dashboard - Jan-Mar 2026

C. Moch spoke to Item 7.3. for information.

Discussion ensued regarding:

- plans to publish this information publicly on the website later this year
- will be summarized into annual report and published for each system in a format which is user friendly, easy to understand, and contains helpful information

7.4. [26-0412](#) Presentation: Cross Connection Control Program

B. Shuck presented Item 7.4. for information.

Discussion ensued regarding:

- GIS mapping and upcoming features of technology programs
- installation of water meters to improve demand management
- water main break timelines, jurisdictional differences and management
- non-compliance jurisdiction, notices and municipality involvement
- increase in frequency of inspections is required as age and risk increases
- process for inspections of backflow assembly and importance of testing
- irrigation industry outreach, CRD collaboration on presentations

7.5. [26-0409](#) Water Resiliency Plan

S. Irg spoke to Item 7.5. for information.

Discussion ensued regarding:

- alignment of plans between CRD and municipalities
- stockpile of critical spares for distribution systems
- distributor is responsible for bringing water to property line
- home emergency planning in the region
- contingency plans are required to be in place
- municipal collaboration and engagement for emergency planning
- funding sources

7.6. [26-0433](#) Summary of Recommendations from Regional Water Supply Commission

S. Irg spoke to Item 7.6. for information.

7.7. [26-0430](#) Water Watch Report - April 2026

S. Irg spoke to Item 7.7. for information.

Discussion ensued regarding the frequency of Water Watch Reports and additional locations where information can be found.

8. Notice(s) of Motion

There were no notice(s) of motion.

9. New Business

There was no new business.

10. Adjournment

**MOVED by W. Scheuer, SECONDED by D. Halldorson,
That the Water Advisory Committee meeting of April 14, 2026 be adjourned at
1:53 pm.
CARRIED**

Chair

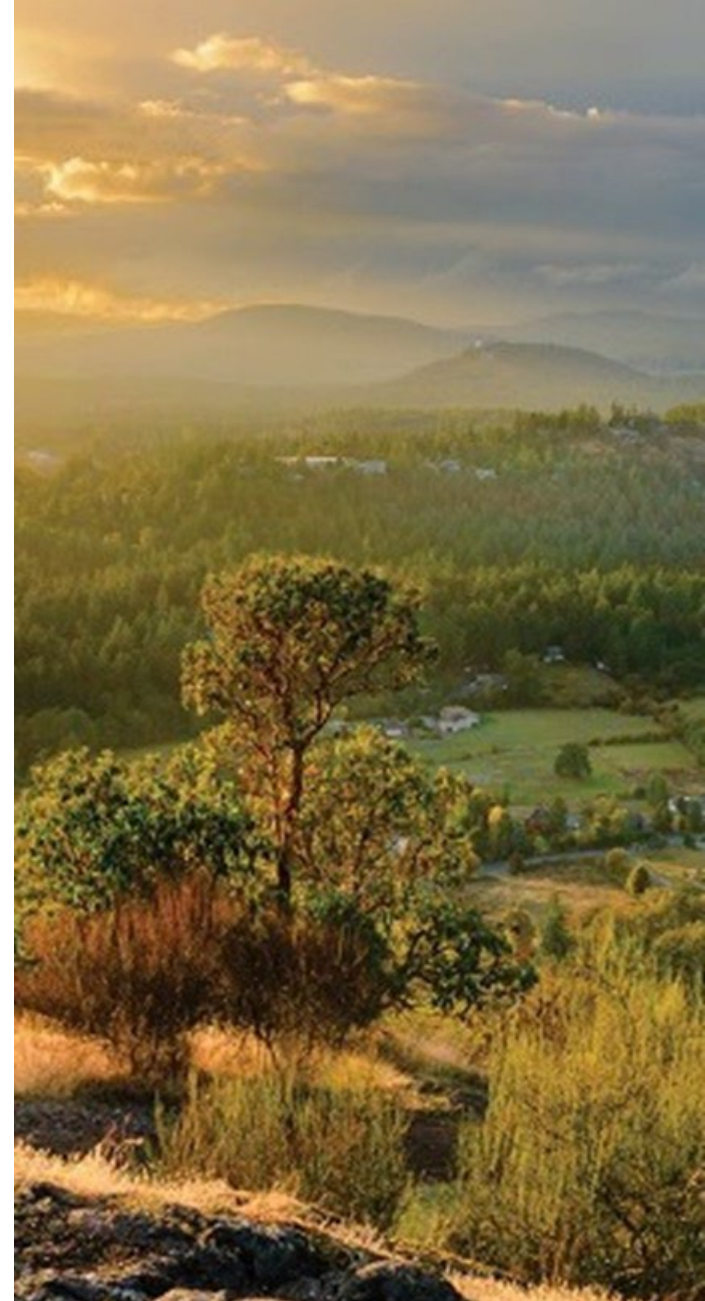
Recorder

Two Years Post-Thinning

Water Advisory Committee
September 22, 2026

Agenda

1. Thinning rationale
2. Thinning method
3. Results
 - a) Trees retained and removed
 - b) Woody debris and fuel hazard
 - c) Microclimate/soil moisture differences
 - d) Financial
 - e) UVic Fire and fuels modelling
4. What's next?



Thinning – a proactive forest resilience strategy

Objective: Reduce tree density by 30 – 50 %, from below i.e. removing the smallest stems and retaining the largest stems

Benefits/Why:

1. Reduce competition
2. More resilient trees with thicker bark
3. Removal of stems before they die and fall down
4. Reduction of overall forest fuels, better stand to fight fire in
5. Promotion to old forest characteristics also benefits biodiversity and many wildfire species
6. Opportunity to promote tree species diversity– white pine, alder, cedar

Risks/drawbacks:

1. A short term increase in surface fuel hazard – tops, branches
2. Potential for tree scarring and root damage on remaining trees
3. Short term risk of tree breakage due to spindly growth
4. Drier/warmer microclimate conditions, more shrub/invasive plant growth

Thinning Trial Details

- 42 hectares in 5 units at north end of Sooke WSA
- Douglas fir plantations aged 43 to 64 years in age focusing on high density stands not otherwise showing forest health issues
- Method- single grip mini harvester; processing at the stump; specialized forwarder with bunks; self loading log truck with small bunks



Thinning Method



Results – as seen from above



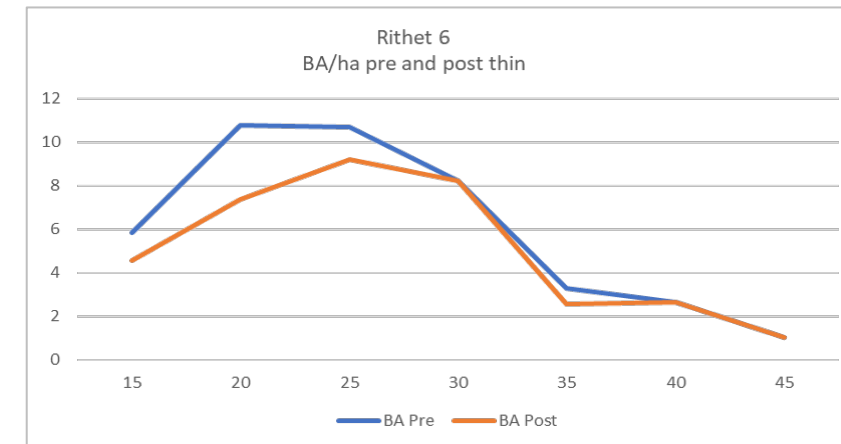
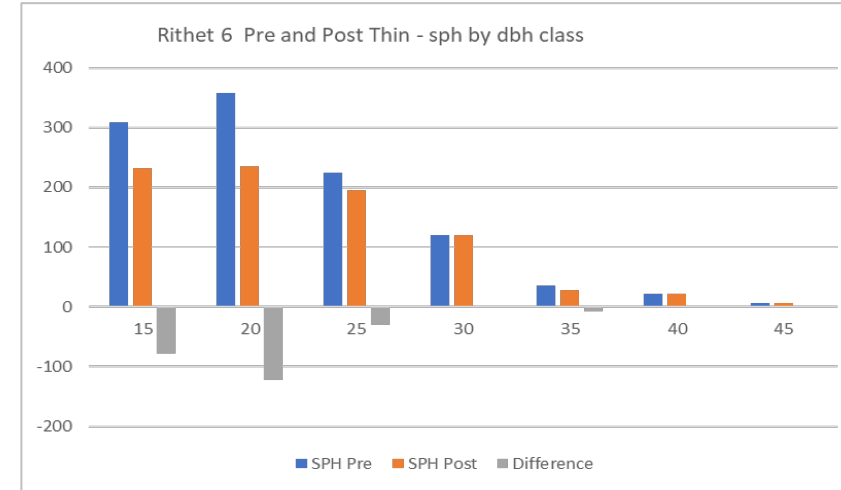
30% and 50% thinned

Results – Rithet 6 – densest and smallest trees

Starting Density: 1,075 trees per hectare (ha)

Goal: 752 – 550 trees/ha (30 – 50% removed)

Actual: 837 trees/ha (20% removed)

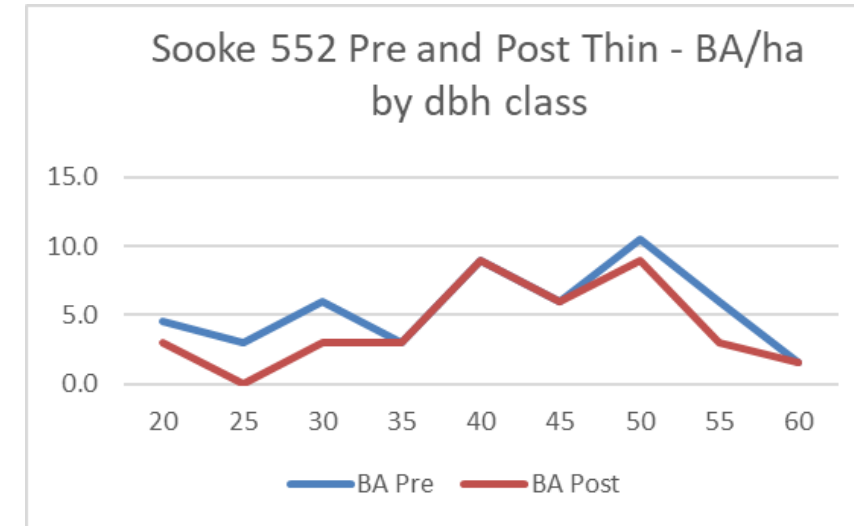
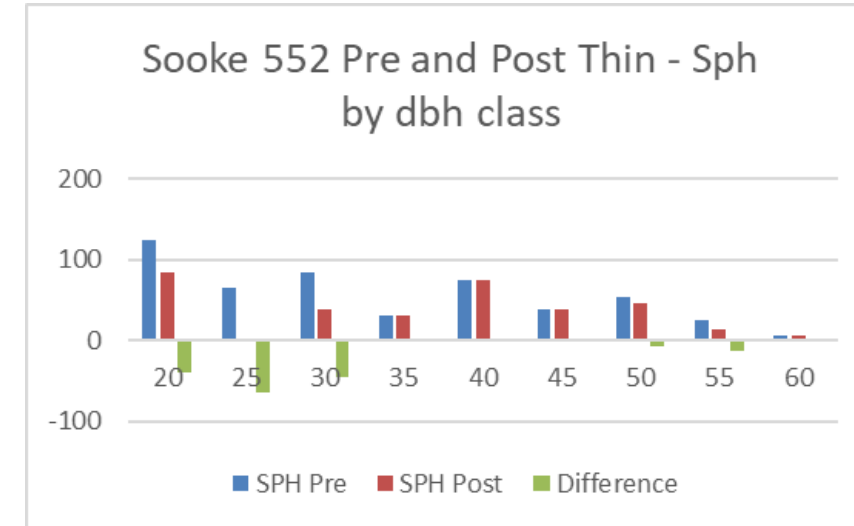


Sooke 552 – largest stems

Starting density: 503 trees/ha

Goal: 290 trees/ha (40 % removed)

Actual: 334 trees/ha (34 % removed)



Evidence of Growth Suppression



Thinning Woody Debris

3 units required debris management – 62 hours (\$9,000):

- Raking and piling followed by pile burning
- Rithet 6 prescribed burning opportunity



The worst debris accumulations



Wildfire hazard – pre and post thinning

Fuel Treatment Name: Rithet 6			
	Pre-Treatment	Post-Treatment	Post-Treatment
	Aug 9 2023	May 16 2024	Date:
Depth of Organic Layer	1	2.2	
SURFACE AND LADDER FUELS			
Surface Fuel/Flammability	5.6	7.6	
Dead/Down Cover	5.6	11.8	
Ladder Fuel Composition	8	8.4	
Ladder Fuel Horiz Continuity	6.8	2	
Stems/ha Understory	10	2.4	
STAND STRUCTURE AND COMPOSITION			
Crown Base Height	4.2	3.2	
Fuel Strata Gap: Ladder to Live Crown	5	5	
Stems/ha Overstory	3.8	1.4	
Crown Closure	2.6	1.2	
Dead/Dying % Overstory	2	2	
Total Score	57	50	
Fuel Assessment Rating*	Mod-High	Moderate	
Ave Crown Length	8.6	9.8	

Fuel Treatment Name: Sooke 552			
Average of 3 plots	Pre-Treatment	Post-Treatment	Post-Treatment
	Sept. 8 2023	May 24 2024	Date:
Depth of Organic Layer	2.3	3.0	
SURFACE AND LADDER FUELS			
Surface Fuel/Flammability	6	7.3	
Dead/Down Cover	5.3	14	
Ladder Fuel Composition	8	8	
Ladder Fuel Horiz Continuity	6.0	4	
Stems/ha Understory	5.3	2	
STAND STRUCTURE AND COMPOSITION			
Crown Base Height	4	4	
Fuel Strata Gap: Ladder to Live Crown	3	5	
Stems/ha Overstory	2	0	
Crown Closure	3	2	
Dead/Dying % Overstory	2	2	
Total Score	47	51	
Fuel Assessment Rating	Moderate	Moderate	
Ave Crown Length	13.6	15.9	

*Low 0-41; Moderate 42-57; High 58-69; Extreme 70-100

Debris Management – Understory Burning

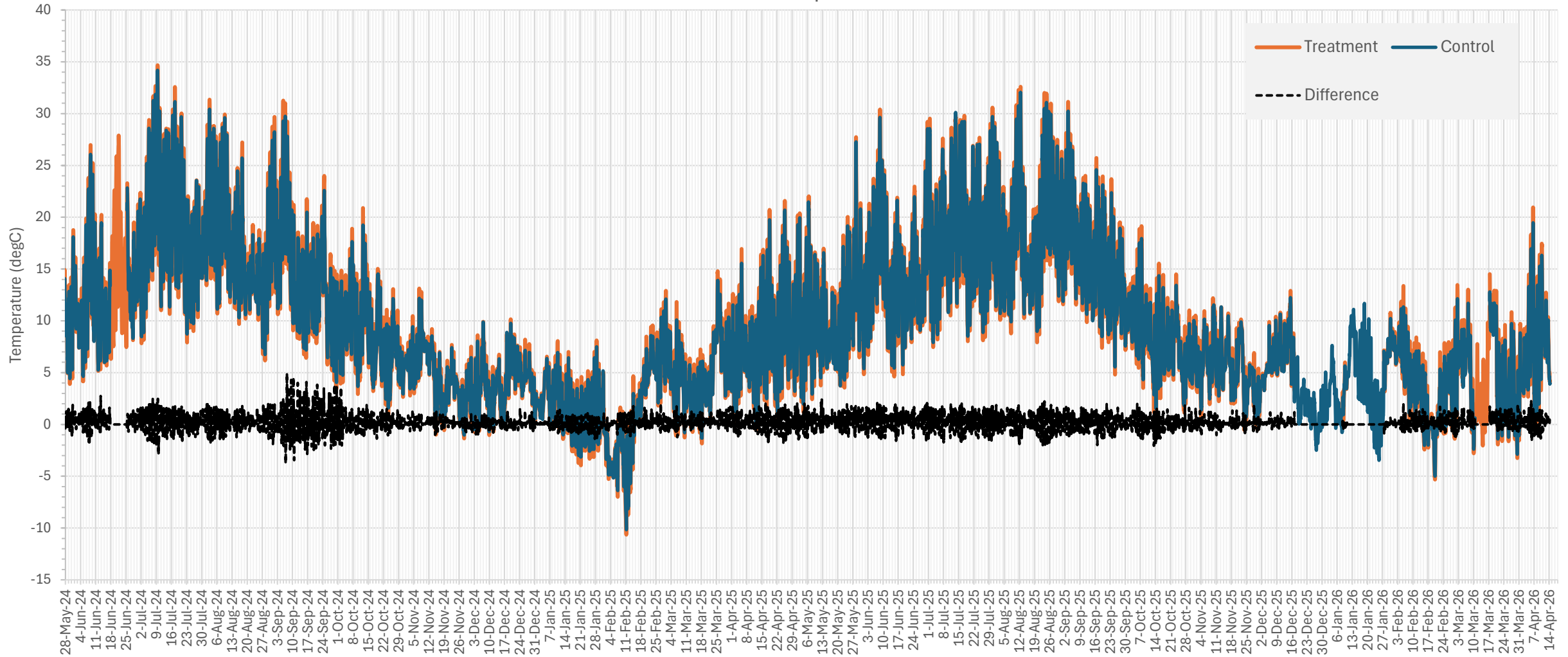


Microclimate and Soil Moisture Results

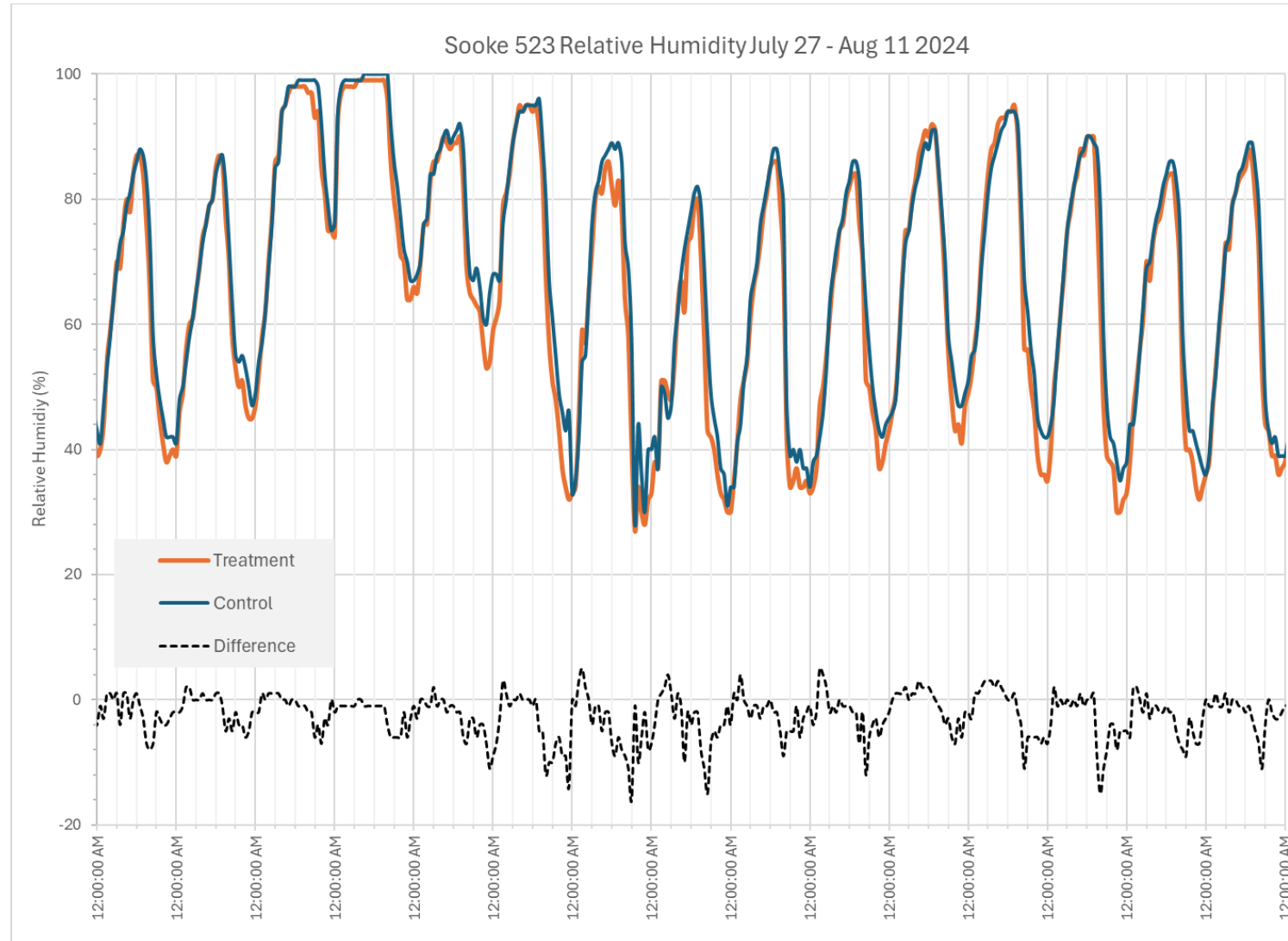


Air Temperature

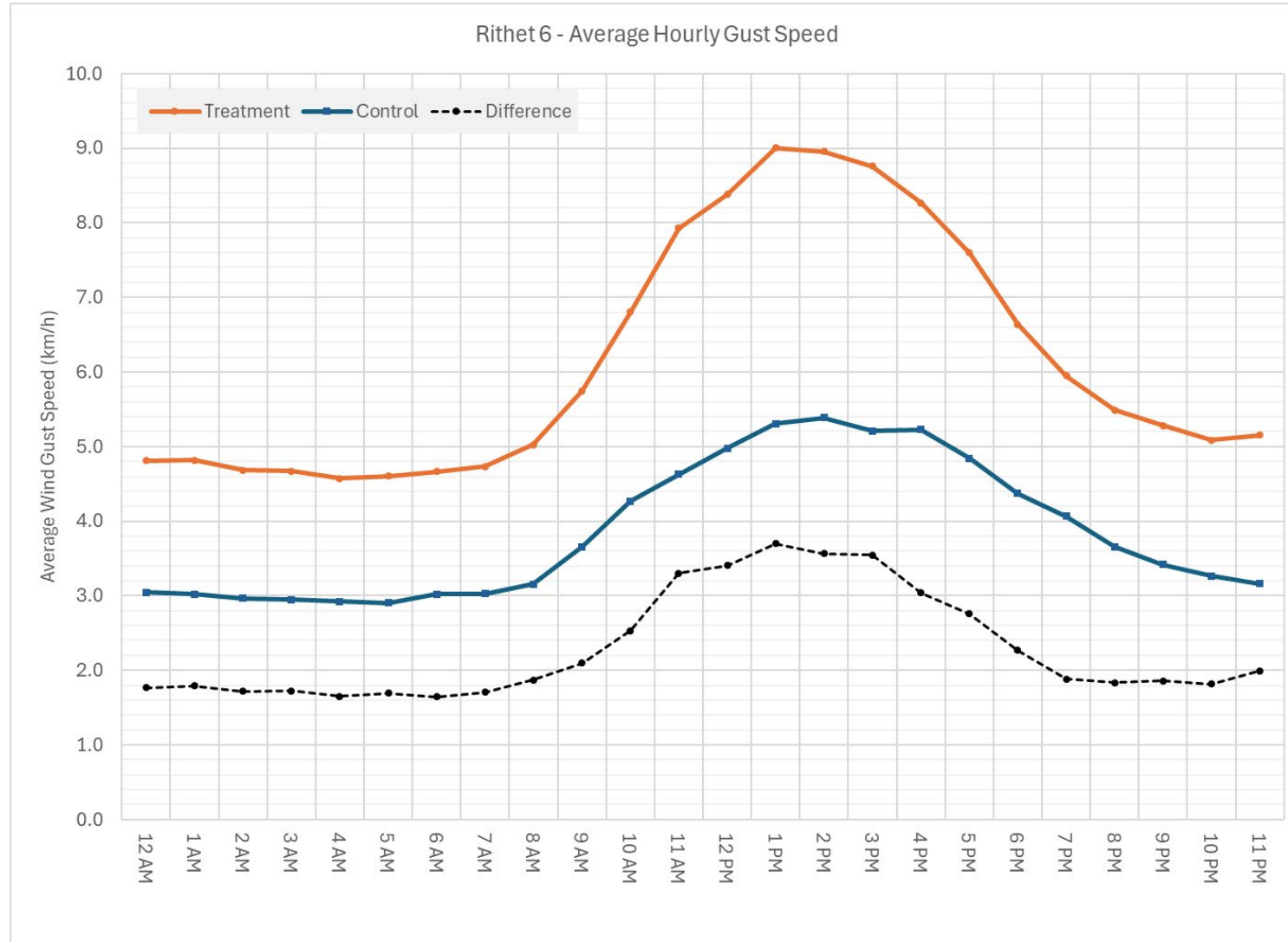
Rithet 6 Air Temperature



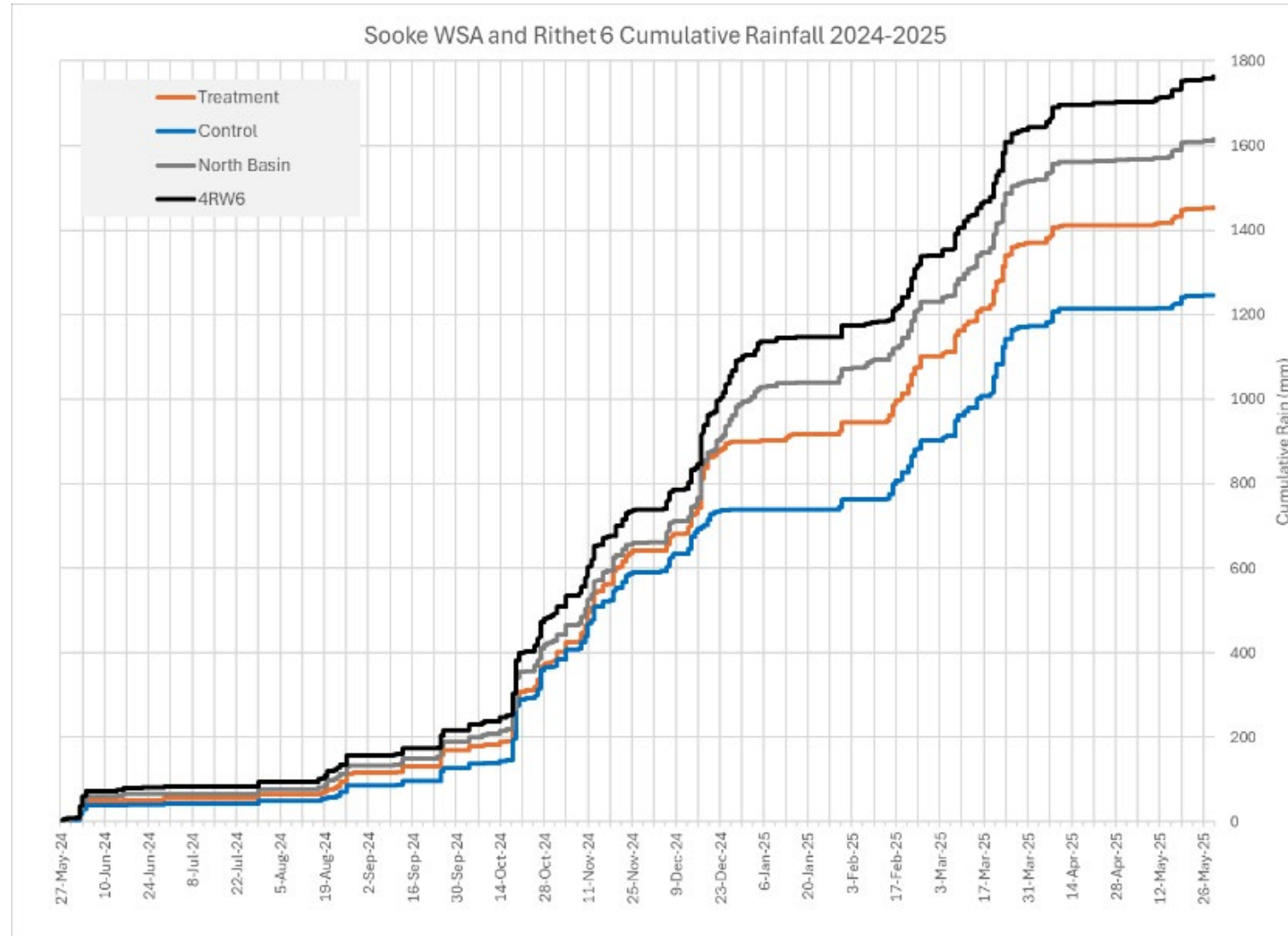
Relative Humidity



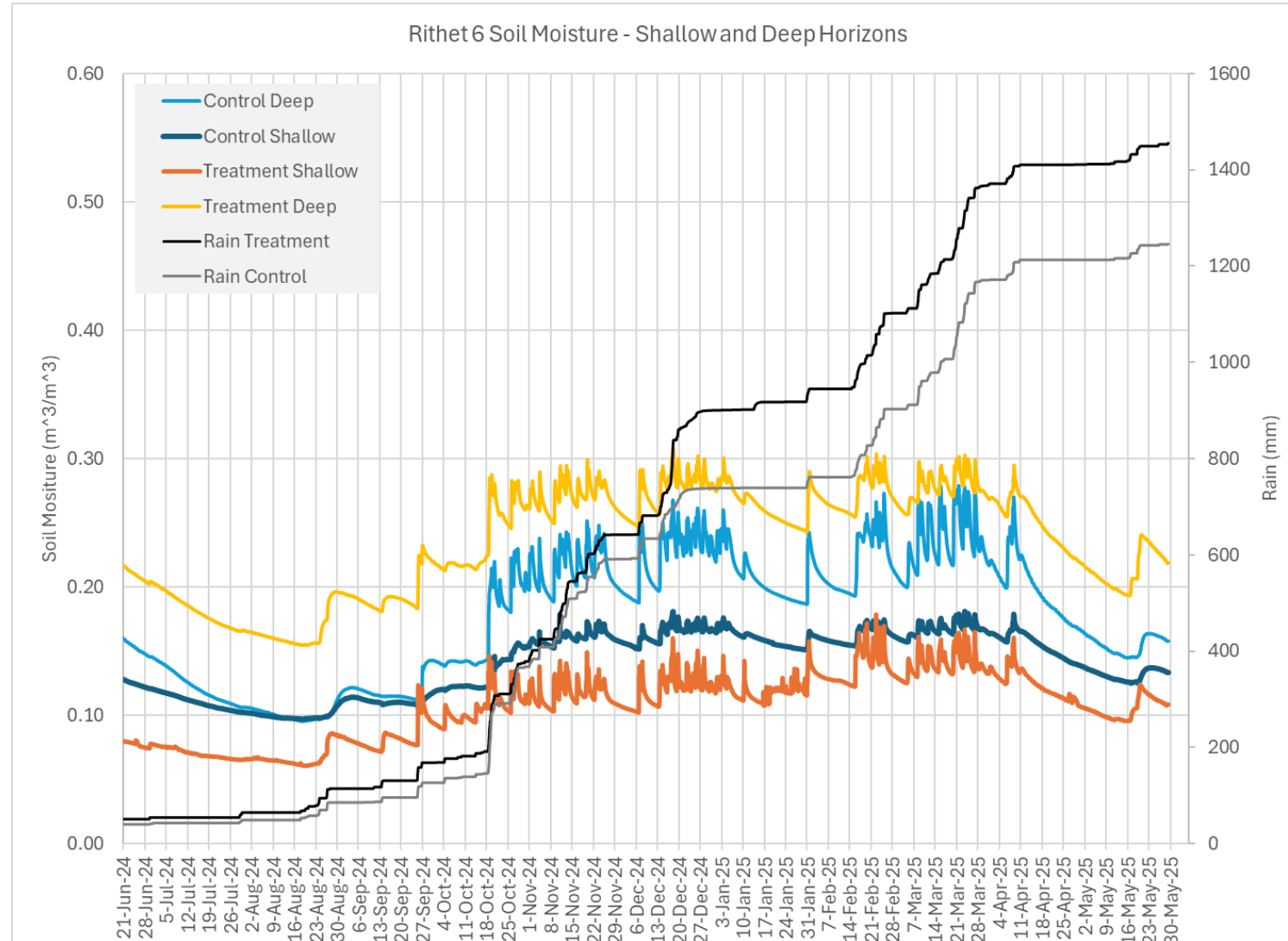
Wind



Rainfall



Soil Moisture



Financial Results

Thinning 42 ha

Treatment cost = \$454,500 or \$10,670/ha

Log revenue = \$390,920 or \$9,177/ha

\$63,585 cost or \$1,493/ha

Spacing 26 ha (2025)

Treatment cost = **\$67,983 or \$2,615/ha**



Wildfire Results – UVic modelling

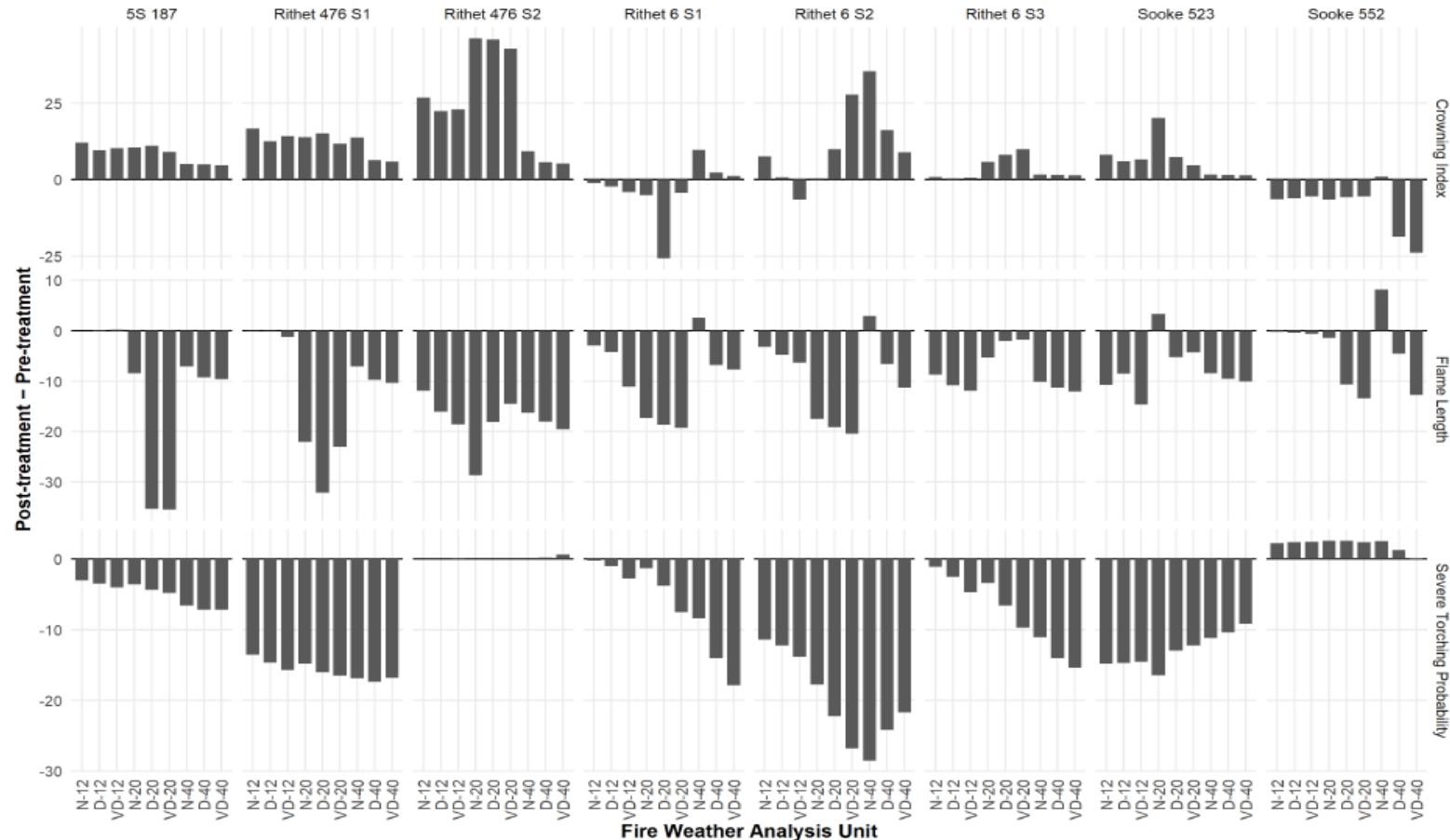


Figure 10. Changes in crowning index, flame length, and severe torching probability following operational fuel treatments implemented by the CRD.

For all thinned sites:

- 43% reduction in crowning
- 57% reduction in torching
- 18% shorter flame lengths
- Most effective treatment – densest stands

Conclusions – Two Years Post Thinning

- Thinning was effective in increasing tree growing space and can be conducted with minimal damage to remaining trees, and windthrow has not been an issue.
- Wildfire hazard was not substantially increased and only some areas require debris mgmnt
- Thinning creates opportunity for understory prescribed burning which is not otherwise possible
- Thinning did create warmer, drier and windier daytime conditions, but within acceptable tolerance; and increased conditions should lessen over time
- Thinning created drier surface soils but moister deeper soils than untreated areas
- Mechanized thinning is more cost effective and can treat larger areas than manual methods

Next Steps

- **Adaptive management** – continue monitoring, apply learnings to continue to plan and implement small scale juvenile spacing, thinning and fuel break corridors.
- **Extrapolate modelling** results across the GVWSA and identify areas of most resilience and wildfire risk (2026-2028) – two MSc students at UVic
- **Develop a landscape level plan** balancing risk reduction and other values (i.e. wildlife, cultural) with subject matter experts and First Nations (2027-2029)



Questions?

Connect with us



Capital Regional District



CRDVictoria



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2027 Budget Update Water Services Comparison

Water Advisory Committee
September 22, 2026

	Regional Water Supply (RWS)	Juan de Fuca Water Service (JDF)	Saanich Peninsula Water Supply (SPWS)
2027 Capital Plan Value	\$63.1M	\$27.3M	\$2.9M
Water Rate Increase	6.88% (to \$0.9954/m ³)	3.61% (to \$3.1464/m ³)	7.04% (to \$1.4451/m ³)
Top Drivers of Water Rate Increase	 Significant infrastructure investment  Higher debt serving and capital funding requirements  Service delivery and operating cost increases	 Increased operating costs  Infrastructure renewal and asset management investments  System growth and higher water demand	 Higher wholesale water purchase costs from RWS  Increased water demand and consumption  Higher operating and capital funding requirements

REGIONAL WATER SUPPLY (RWS)

2026-2031 BUDGET DASHBOARD

AT A GLANCE

2026 FORECAST YEAR-END RESULT

\$1.0M

Surplus

2026 Forecast

2027 WATER REVENUE

\$51.3M

+3.4M (7.1%)

vs. 2026 Budget

2027 FORECAST CONSUMPTION

51.5M m³

+0.1M m³ (0.2%)

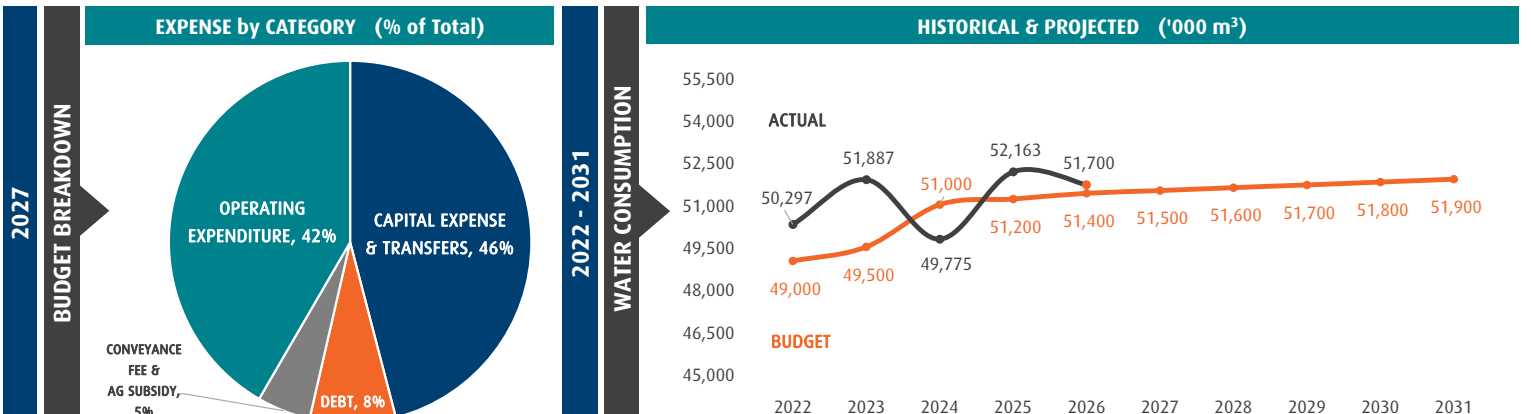
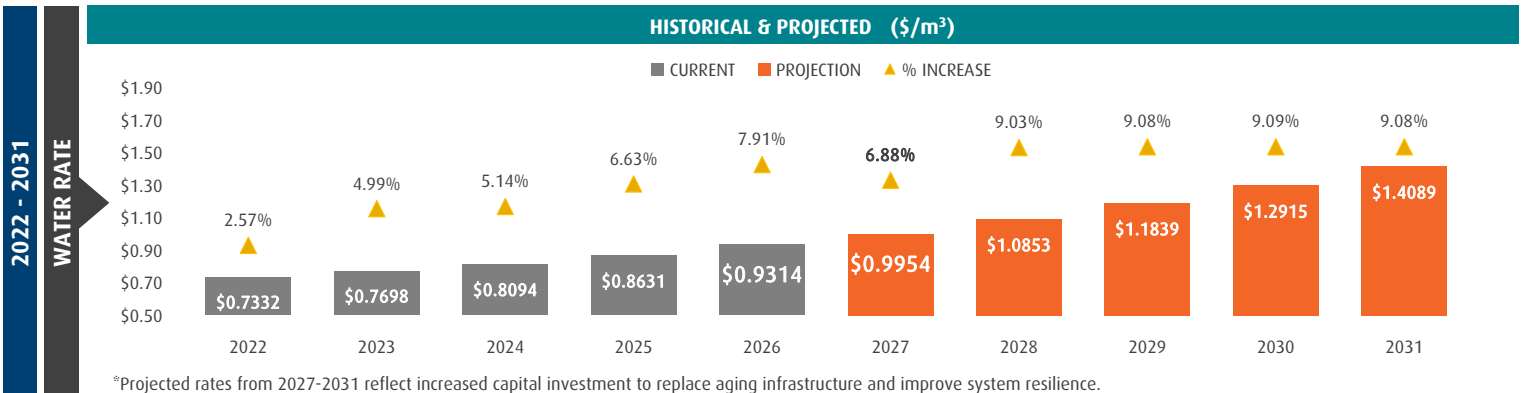
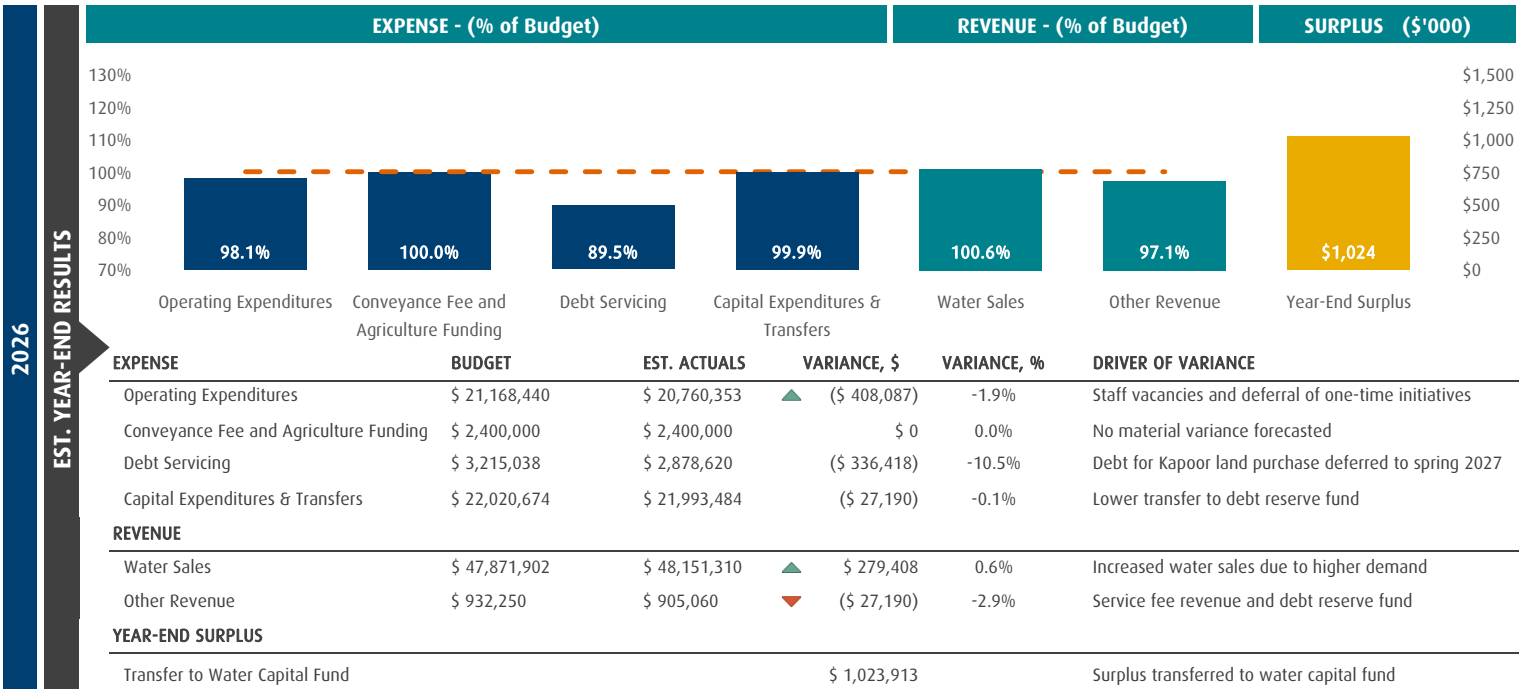
vs. 2026 Forecast

2027 WATER RATE

\$0.9954/m³

+\$0.0640/m³ (6.88%)

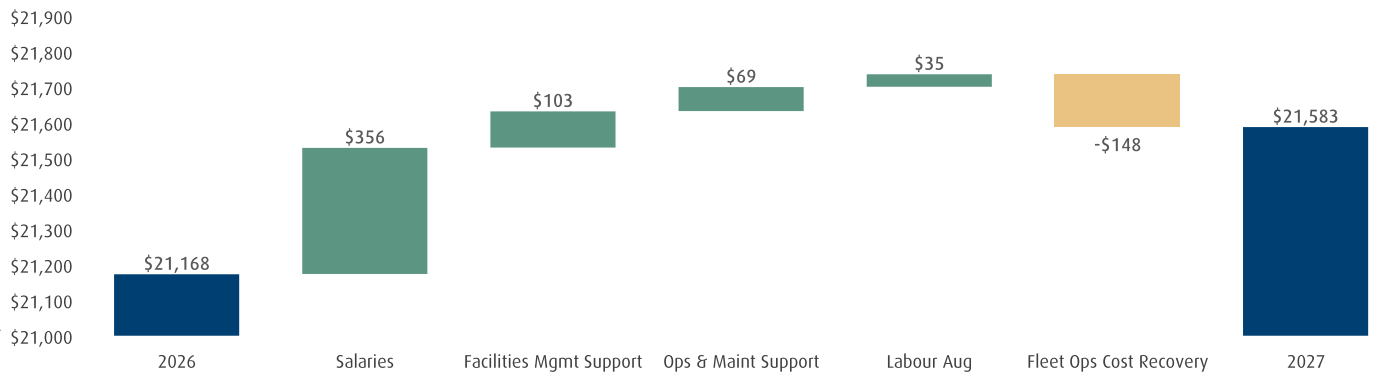
vs. 2026



REGIONAL WATER SUPPLY (RWS)

2026-2031 BUDGET DASHBOARD *cont.*

OPERATING EXPENSES - (\$'000)



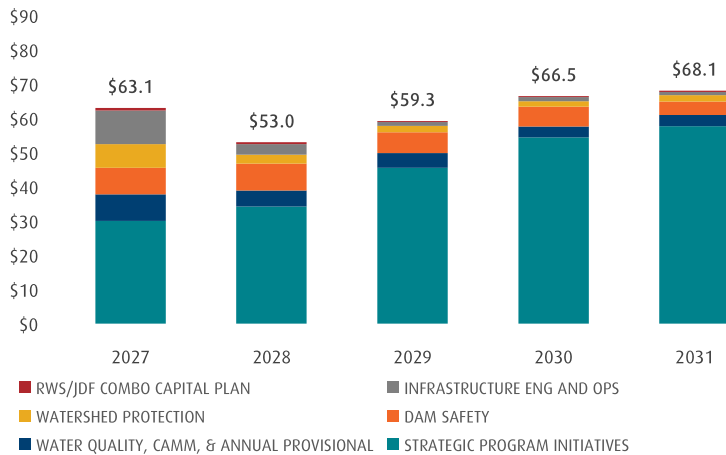
BUDGET CATEGORY AMOUNT BUDGET DRIVERS

2026 OPERATING BUDGET \$ 21,168,440

Salaries	\$ 355,636	Inflationary increase to existing salaries inclusive of estimated collective agreement changes
Facilities Mgmt Support	\$ 102,500	2027 IBC: 11b-3.2 Staff and O&M to Support Broadened FM Portfolio
Ops & Maint Support	\$ 69,091	Increased support of ongoing water operations
Labour Augmentation	\$ 35,232	+1.0 FTE for ops support: 2026 IBC:2a-2.3 Master Plan Program net of cost recovery
Fleet Ops Cost Recover	(\$ 148,296)	Increased cost recovery to fund ERF in support of fleet maintenance and vehicle replacements

2027 OPERATING BUDGET \$ 21,582,603

CAPITAL PLAN by CATEGORY - (\$M)



NOTABLE CAPITAL INITIATIVES in 2027

INFRASTRUCTURE ENGINEERING & OPERATIONS

19-23 Critical Spare Equipment Storage & Pipe Yard	\$ 3,750,000
24-19 Mount Tolmie Tank Assmt and Interim Improvements	\$ 600,000
18-08 Bulk Supply Meter Replace and Backflow Prevention	\$ 600,000

WATERSHED PROTECTION

16-06 New Field Operations Centre Building	\$ 4,700,000
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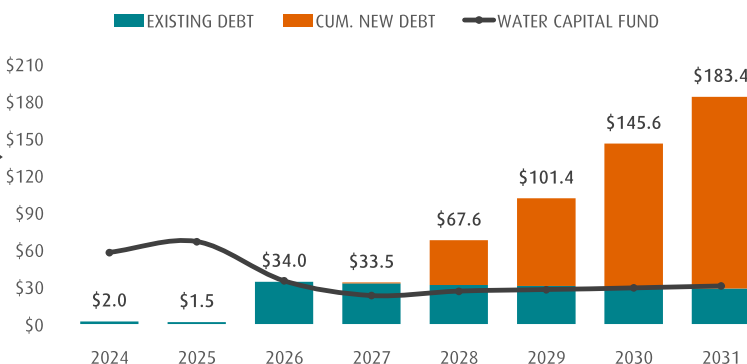
DAM SAFETY

25-13/25-15/25-18 Upgrades and Improvements Program	\$ 3,375,000
25-13/25-15 Regulatory Compliance, Planning, & Analysis	\$ 3,050,000
19-07 Integrate Dam Performance and Hydromet to SCADA	\$ 1,200,000

STRATEGIC PROGRAM INITIATIVES

23-17 Main No. 4 - Mt Newton to Hwy 17 & Bear Hill	\$ 24,000,000
21-11 Main No. 4 Upgrade & Main No. 1 High Pressurizing	\$ 2,000,000
26-02 Master Plan Project(s) Delivery	\$ 1,675,000
26-01 Master Plan Program Management	\$ 1,500,000

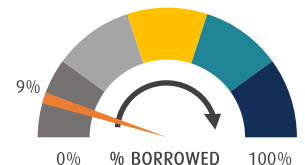
DEBT & WATER CAPITAL FUND BALANCE - (\$M)



BORROWING AUTHORITY

LA BYLAW 4382

AUTHORIZED	\$ 46,000,000
BORROWED	\$ 4,000,000
CREDIT REMAINING	\$ 42,000,000



TEMP LA BYLAW 4779

Temporary Borrowing Bylaw No. 4779 was approved by the CRD board on July 8, 2026, to enable short-term borrowing under Bylaw No. 4382 to finance capital expenditures.

JUAN DE FUCA WATER SERVICE (JDF)

2026-2031 BUDGET DASHBOARD

AT A GLANCE

2026 FORECAST YEAR-END RESULT

\$1.2M

Surplus

2026 Forecast

2027 WATER REVENUE

\$33.0M

+1.8M (5.6%)

vs. 2026 Budget

2027 FORECAST CONSUMPTION

10.5M m³

+0.2M m³ (1.9%)

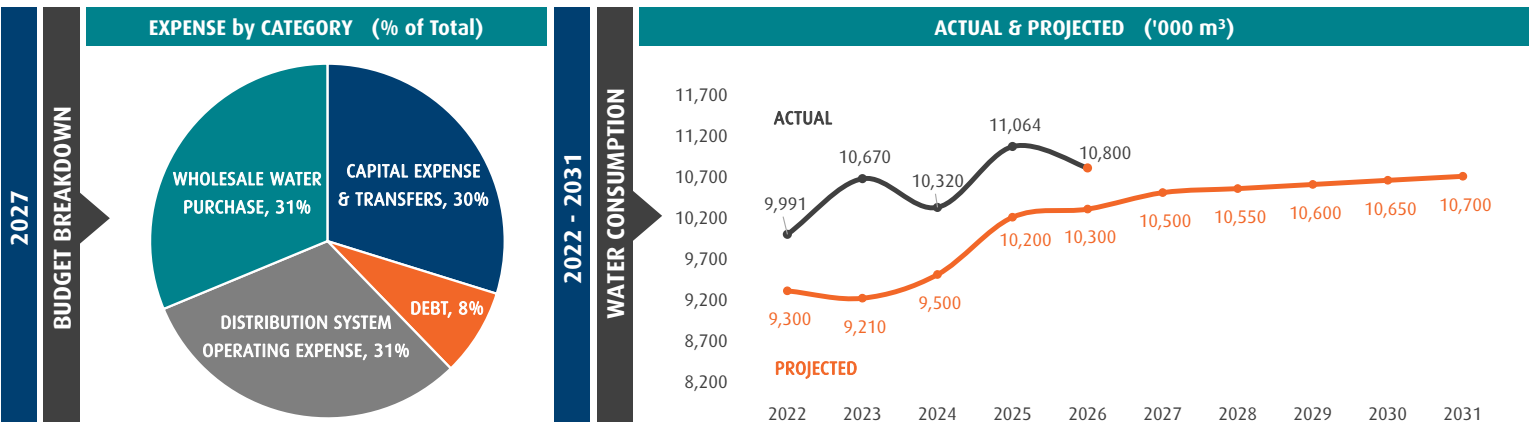
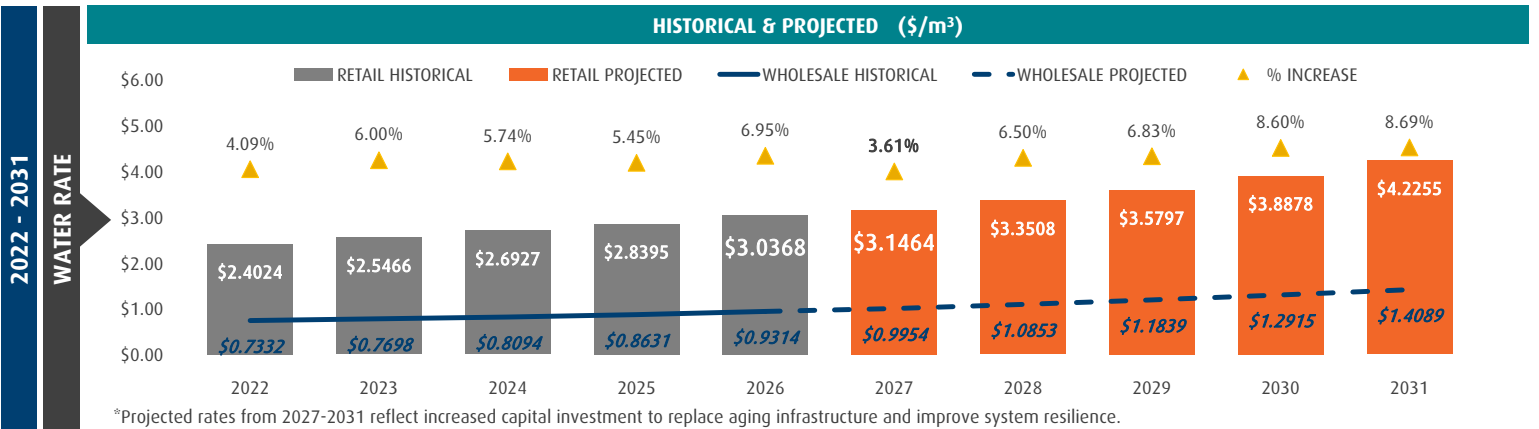
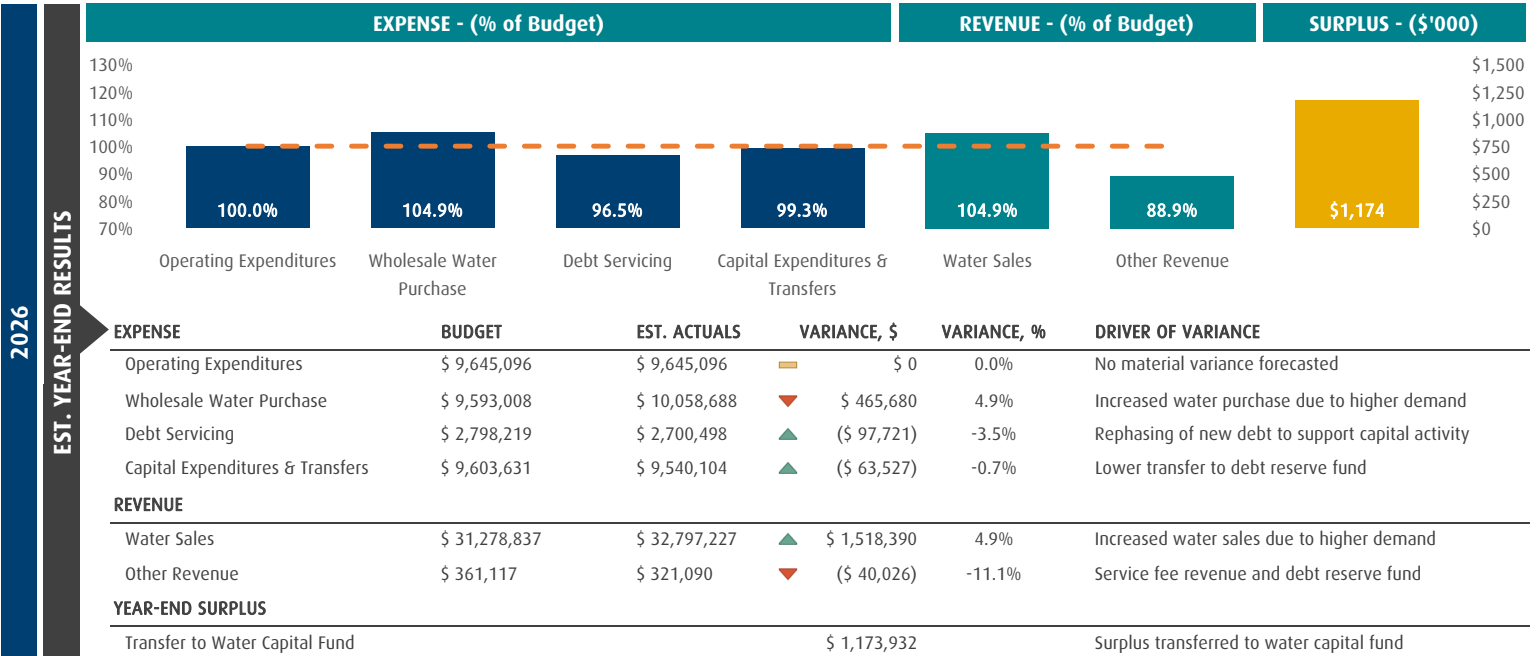
vs. 2026 Forecast

2027 WATER RATE

\$3.1464/m³

+\$0.1096/m³ (3.61%)

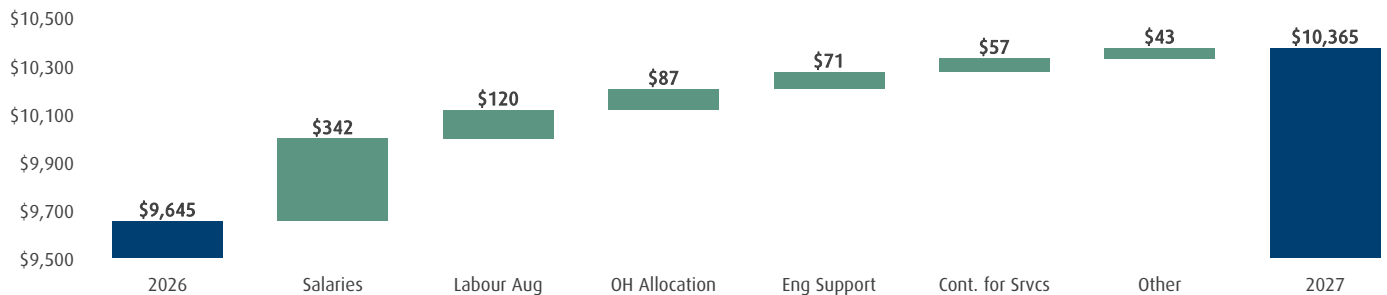
vs. 2026



JUAN DE FUCA WATER SERVICE (JDF)

2026-2031 BUDGET DASHBOARD *Cont.*

OPERATING EXPENSES - (\$'000)



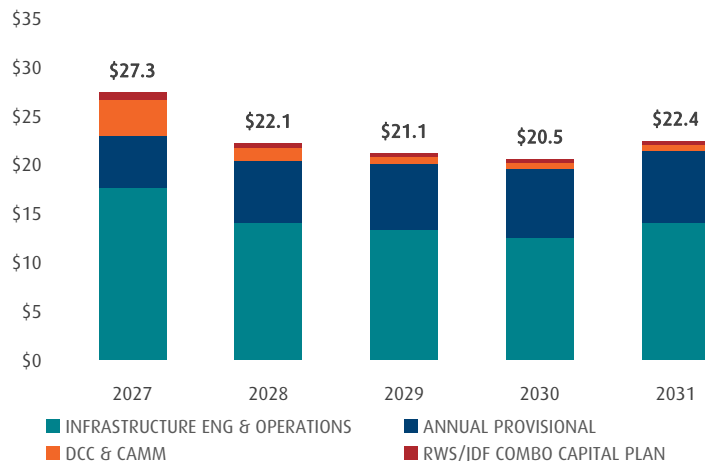
BUDGET CATEGORY AMOUNT BUDGET DRIVERS

2026 OPERATING BUDGET \$ 9,645,096

Salaries	\$ 342,460	Inflationary increase to existing salaries inclusive of estimated collective agreement changes
Labour Augmentation	\$ 119,985	+1.0 FTE for ops support: 2026 IBC:2b-2.5 Utility Operator Program
OH Allocation	\$ 86,565	Overhead allocation based on % of total budget
Engineering Support	\$ 70,850	Inflationary increase for engineering operations support
Contract for Services	\$ 57,441	Increased contract support for maintenance operations
Other	\$ 42,659	Postage, freight, training, travel, etc.

2027 OPERATING BUDGET \$ 10,365,056

CAPITAL PLAN by CATEGORY - (\$M)



NOTABLE CAPITAL INITIATIVES in 2027

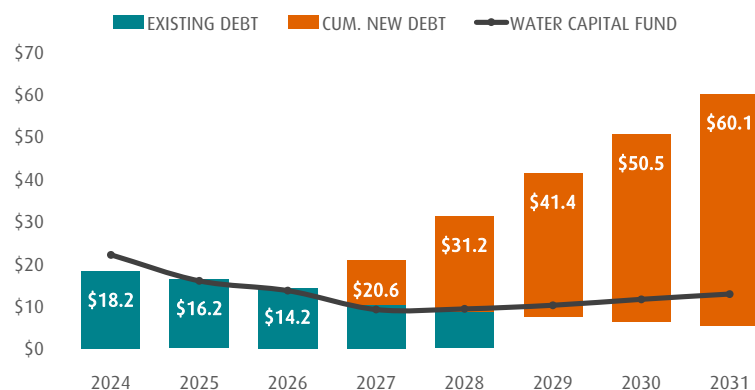
ANNUAL PROVISIONAL

21-04 Residential Service & Meter Replacement	\$ 3,600,000
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INFRASTRUCTURE ENGINEERING & OPS

21-02 Sooke Rd W/M Replacement - VMP to Jacklin	\$ 7,050,000
20-03 AC Pipe Replacement Program	\$ 3,800,000
21-13 SCADA Master Plan Update & Cybersecurity Upgrades	\$ 2,250,000
25-06 Large Mtrs & Pressure Control Stns Replacement	\$ 1,800,000
26-01 Pump Station Renewal Program	\$ 900,000

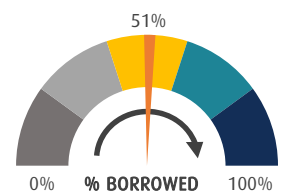
DEBT & WATER CAPITAL FUND BALANCE - (\$M)



BORROWING AUTHORITY

LA BYLAW 4379

AUTHORIZED	\$ 14,800,000
BORROWED	\$ 7,500,000
CREDIT REMAINING	\$ 7,300,000



TEMP LA BYLAW 4780

Temporary Borrowing Bylaw No. 4780 was approved by the CRD board on July 8, 2026, to enable short-term borrowing under Bylaw No. 4379 to finance capital expenditures.

SAANICH PENINSULA WATER SUPPLY (SPWS)

2026-2031 BUDGET DASHBOARD

AT A GLANCE

2026 FORECAST YEAR-END RESULT

\$514k

Surplus

2026 Forecast

2027 WATER REVENUE

\$9.7M

+0.7M (7.9%)

vs. 2026 Budget

2027 FORECAST CONSUMPTION

6.65M m³

+0.05M m³ (0.8%)

vs. 2026 Forecast

2027 WATER RATE

\$1.4551/m³

+\$0.0958/m³ (7.04%)

vs. 2026

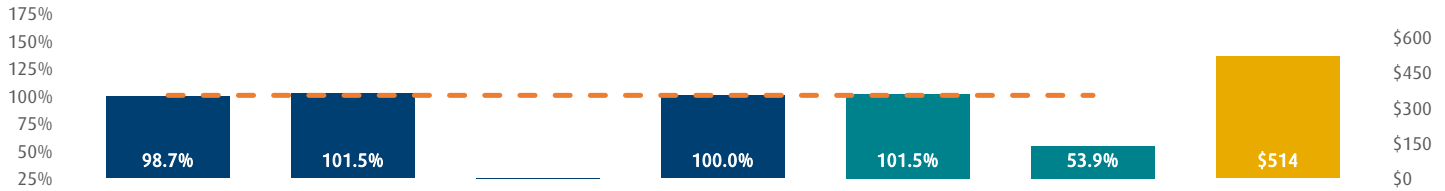
2026

EST. YEAR-END RESULTS

EXPENSE - (% of Budget)

REVENUE - (% of Budget)

SURPLUS - (\$'000)

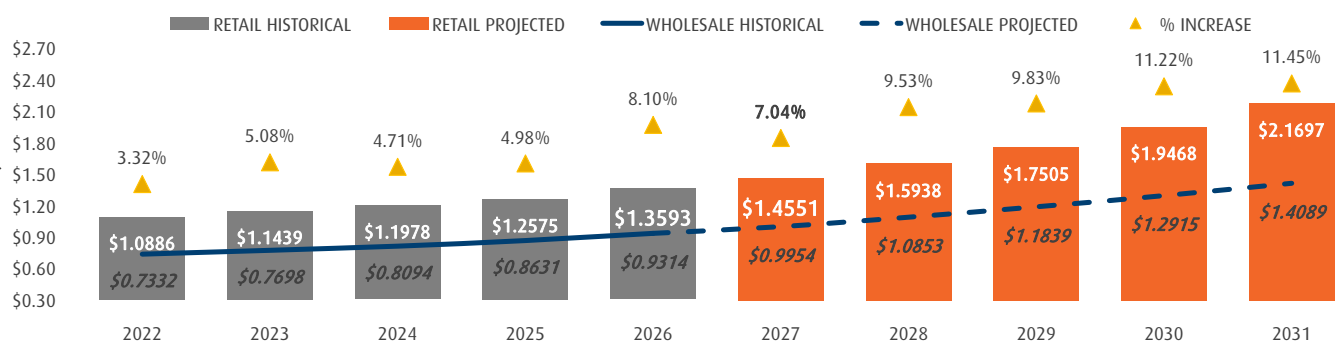


EXPENSE	BUDGET	EST. ACTUALS	VARIANCE, \$	VARIANCE, %	DRIVER OF VARIANCE
Operating Expenditures	\$ 1,978,915	\$ 1,953,690	▲ (\$ 25,225)	-1.3%	Underspend forecasted for operations allocation
Wholesale Water Purchase	\$ 6,146,976	\$ 6,240,112	▼ \$ 93,136	1.5%	Increased water purchase due to higher demand
Debt Servicing	\$ 575,402	\$ 0	▲ (\$ 575,402)	-100.0%	Rephasing of new debt to support capital activity
Capital Expenditures & Transfers	\$ 550,000	\$ 550,000	■ \$ 0	0.0%	No material variance forecasted
REVENUE					
Water Sales	\$ 8,971,513	\$ 9,107,310	▲ \$ 135,797	1.5%	Increased water sales due to higher demand
Other Revenue	\$ 279,780	\$ 150,780	▼ (\$ 129,000)	-46.1%	Service fee revenue and debt reserve fund
YEAR-END TREATMENT					
Transfer to Water Capital Fund			\$ 514,288		Surplus transferred to Water Capital Fund

2022 - 2031

WATER RATE

HISTORICAL & PROJECTED (\$/m³)

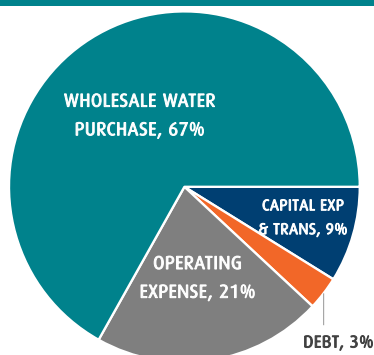


*Projected rates from 2027-2031 reflect increased capital investment to replace aging infrastructure and improve system resilience.

2027

BUDGET BREAKDOWN

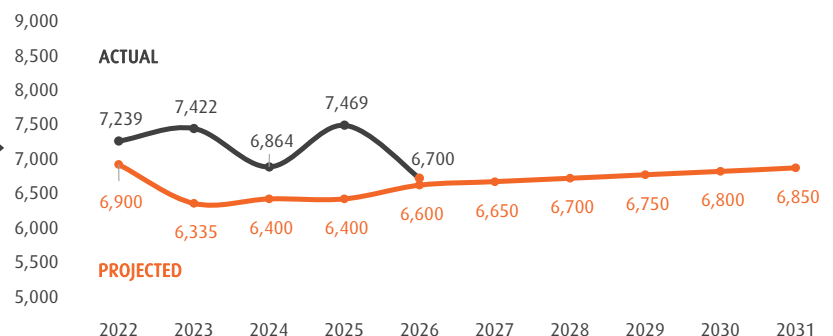
EXPENSE by CATEGORY (% of Total)



2022 - 2031

WATER CONSUMPTION

ACTUAL & PROJECTED ('000 m³)



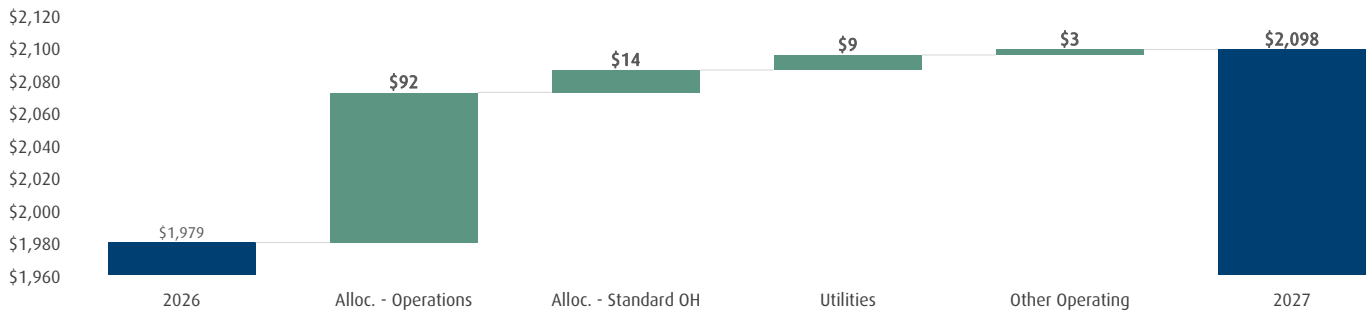
SAANICH PENINSULA WATER SUPPLY (SPWS)

2026-2031 BUDGET DASHBOARD *Cont.*

2026 VS. 2027

OPERATING EXPENSES

OPERATING EXPENSES - (\$'000)

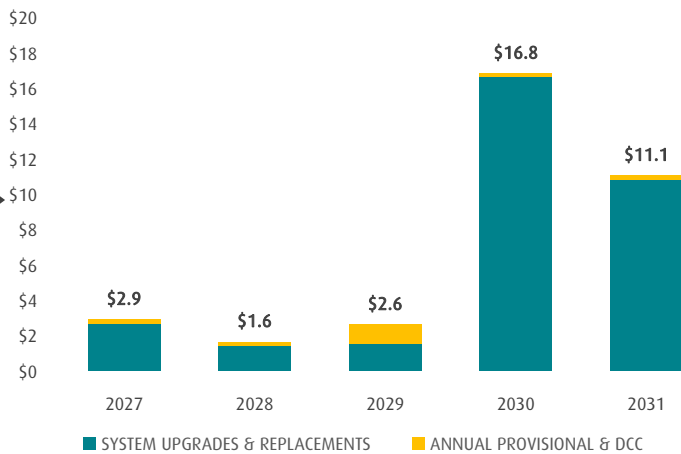


BUDGET CATEGORY	AMOUNT	BUDGET DRIVERS
2026 OPERATING BUDGET	\$ 1,978,915	
Alloc. - Operations	\$ 92,280	Inflationary increase to existing salaries inclusive of collective agreements
Alloc. - Standard OH	\$ 13,761	Overhead allocation based on % of total budget
Utilities	\$ 9,280	Increase to budget for electricity costs
Other Operating	\$ 3,330	Inflationary increases on insurance and other costs
2027 OPERATING BUDGET	\$ 2,097,566	

2027 - 2031

CAPITAL PLAN

CAPITAL PLAN by CATEGORY - (\$M)



NOTABLE CAPITAL INITIATIVES in 2027

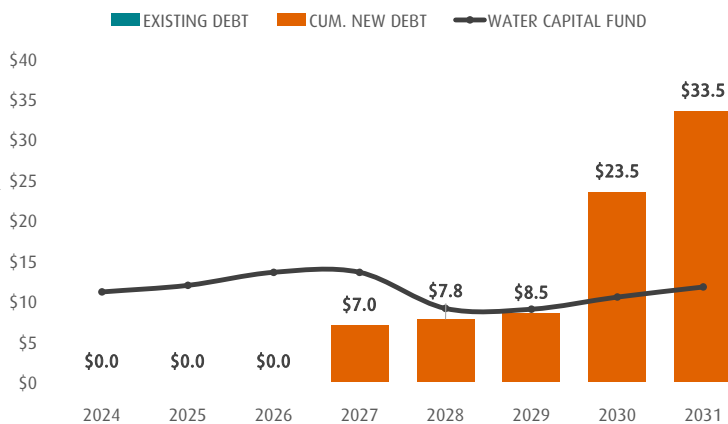
SYSTEM UPGRADES & REPLACEMENTS

21-05 SPW System Upgrade (Bear Hill Trunk)	\$ 500,000
25-05 Asset Capital Improvement/Replacement	\$ 500,000
25-02/22-01 Asset Management & Master Plan Update	\$ 230,000

2024 - 2031

DEBT & CAPITAL

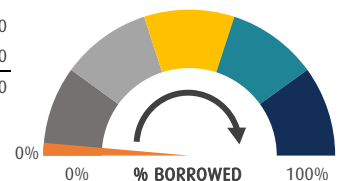
DEBT & WATER CAPITAL FUND BALANCE - (\$M)



BORROWING AUTHORITY

LA BYLAW 4411

AUTHORIZED	\$ 12,900,000
BORROWED	\$ 0
CREDIT REMAINING	\$ 12,900,000



TEMP LA BYLAW 4581

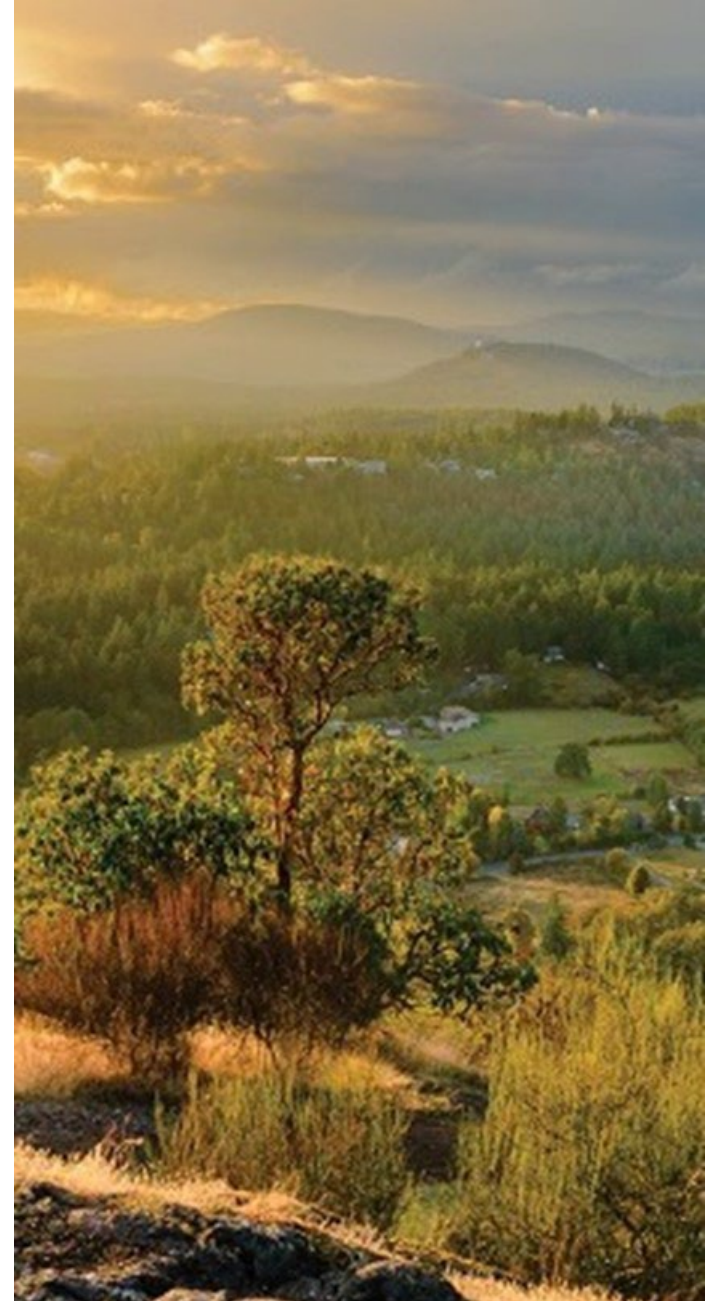
Temporary Borrowing Bylaw No. 4581 was approved by the CRD board on Dec 13, 2023, to enable short-term borrowing under Bylaw No. 4411 to finance capital expenditures.

RWS Master Plan Program Implementation Update

Water Advisory Committee
September 22, 2026

Agenda

- 🎯 Purpose and Background
- 👁 Vision and Guiding Principles
- ☑ Risk Assessment & Project Delivery Review
- ☑ Project Delivery Review
- ☑ Program Implementation Plan
- 📋 Next Steps



Purpose and Background

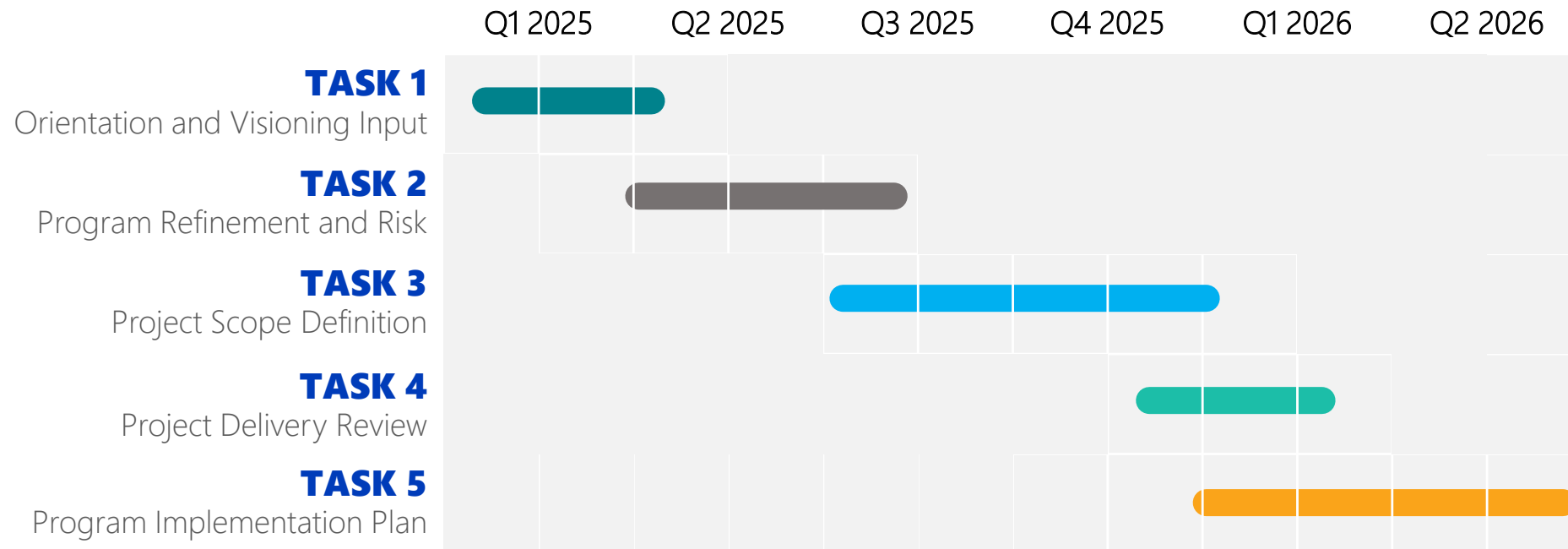
RWS Master Plan

- Supply Projects
- Treatment Project
- Transmission and Storage Projects



Program Implementation Project Purpose

Develop a comprehensive implementation plan to guide the long-term delivery of the Capital Improvement Projects identified in the 2022 Master Plan.





Vision and Guiding Principles

Investing today to ensure reliable drinking water for generations to come

Planning for the Future

The **Regional Water Supply (RWS) Service** provides drinkable water to 430,000 people across the Region. As we plan for the future we are committed to:

-  High quality, safe drinkable water
-  An adequate, reliable, long-term supply of drinkable water
-  Efficient, effective and innovative operation of the water system infrastructure

To fulfill these commitments, the RWS Master Plan lays out the roadmap of critical infrastructure projects designed to meet the needs of a growing community while proactively addressing evolving risks related to seismic activity and climate change.

This work represents a substantial investment over the next 20 years, reflecting CRD's commitment to long-term water security and resilience.

Implementation will be guided by the following principles. They were carefully developed to ensure Greater Victoria has a safe, reliable, and sustainable drinkable water supply for generations to come.

Guiding Principles

1. PROACTIVE, RISK-INFORMED PROGRAM DELIVERY

Projects are planned with foresight, early risk management, and flexibility to minimize disruption and stay on track.

2. PURPOSEFUL DESIGN FOR RESILIENCE & OPERATIONS

Infrastructure is designed to be safe, durable, cost-effective, and easy to maintain while meeting future needs.

3. ORGANIZATIONAL READINESS & EXECUTION EXCELLENCE

Careful sequencing, strong internal capacity, and long-term planning ensure smooth and dependable implementation.

4. FINANCIAL RESPONSIBILITY AND AFFORDABILITY

Reliable service is maintained through right-sized projects, diverse funding, and long-term financial planning.

5. STRONG AND INCLUSIVE PARTNERSHIPS

Collaboration with First Nations, governments, regulators, and the public builds trust and shared success.



Delivering the RWS Master Plan

Project planning, design and construction will be strategically sequenced and staggered throughout the implementation period, with completion anticipated by 2045.

1. RAW WATER (PRE-TREATMENT) FACILITIES

New and upgraded facilities will greatly reduce risks from climate change and earthquakes. These projects include a new lake intake, raw water transmission mains and the incorporation of the Leech water supply.

2. WATER TREATMENT FACILITIES

Protecting the Sooke Watershed, together with treatment and disinfection, provides strong barriers that help keep drinking water clean and safe. A growing population and the use of new water sources with different treatment needs, combined with the impacts of climate change such as droughts, wildfires, and shifts in water quality, mean that additional treatment is essential. Additional treatment, such as filtration, will provide the flexibility to manage these changing conditions, ensuring clean and reliable drinking water continues to flow from the tap.

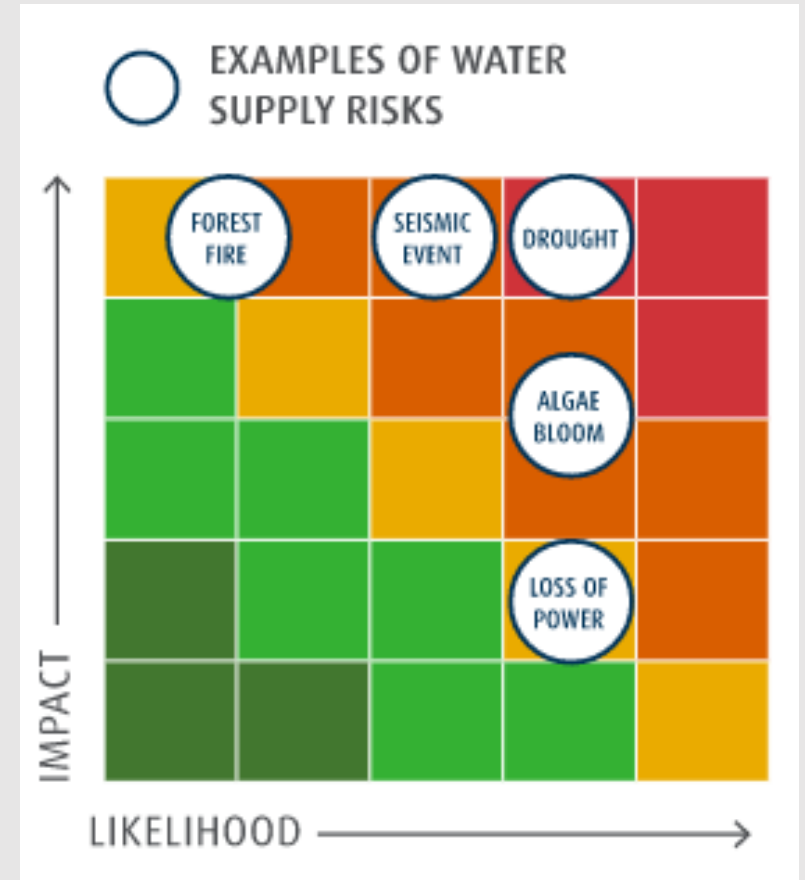
3. FINISHED WATER (POST-TREATMENT) FACILITIES

The majority of the existing transmission system piping and storage are not designed to modern standards, prone to breaks and may struggle to meet growing demands. New and upgraded facilities will improve water delivery efficiency and reliability.

☒ Risk Assessment

Water Supply Risks Lead to Risk Driven Infrastructure

- Water Supply Risks
 - Drought
 - Algae bloom
 - Loss of power
 - Seismic event
 - Forest fire
- Outcome: Risk-Driven Infrastructure
 - Protected access to source water
 - Modernized treatment facility
 - Increased system resilience
 - Reduced single points of failure



Implementation Risks Lead to Tools and Strategies

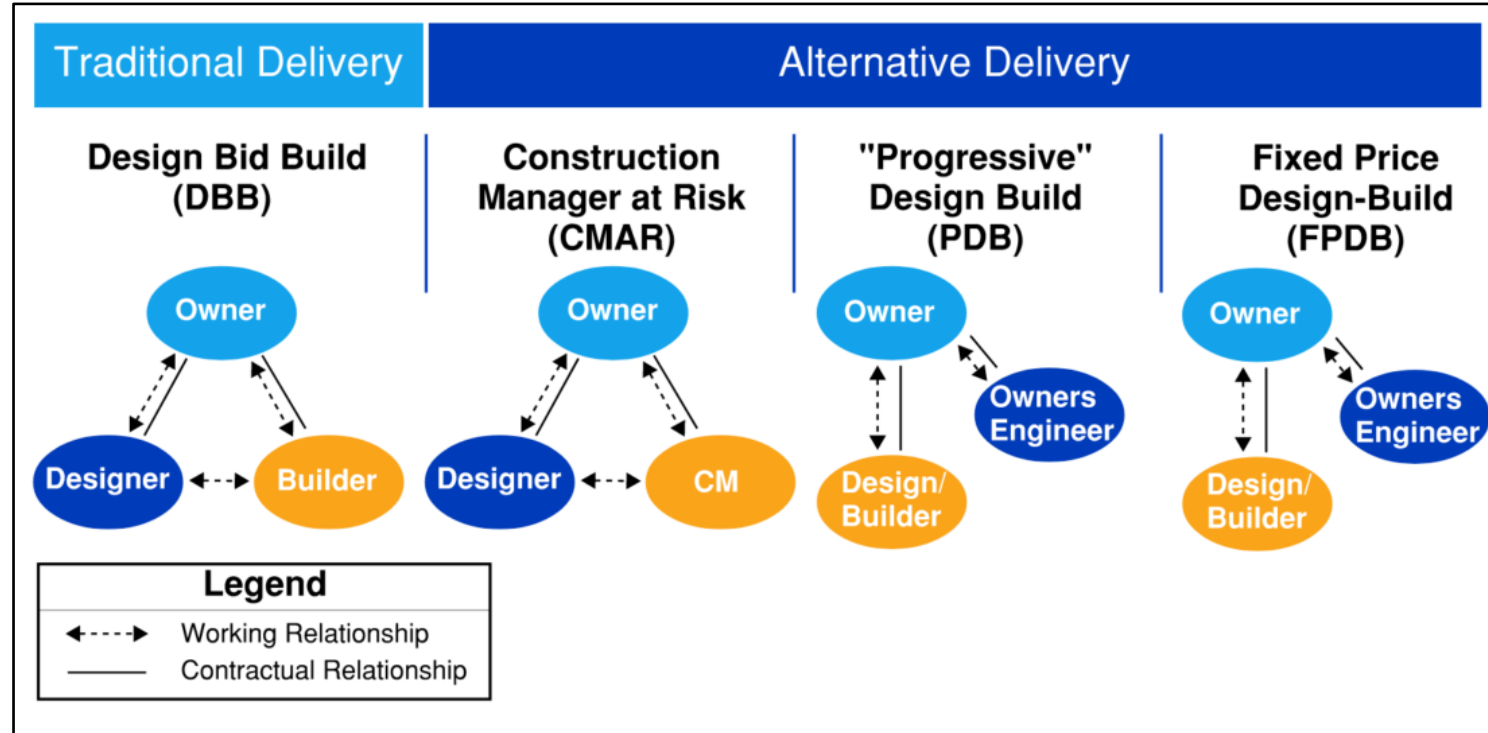
- Implementation Risks
 - Accountability
 - Resources
 - Affordability
 - Permitting
- Outcome: Mitigation Tools and Strategies
 - Communications Plan Framework
 - Governance Framework and Staffing Plan
 - Funding and Grant Strategy
 - Permitting and Regulatory Management Plan
 - Programmatic Risk Register

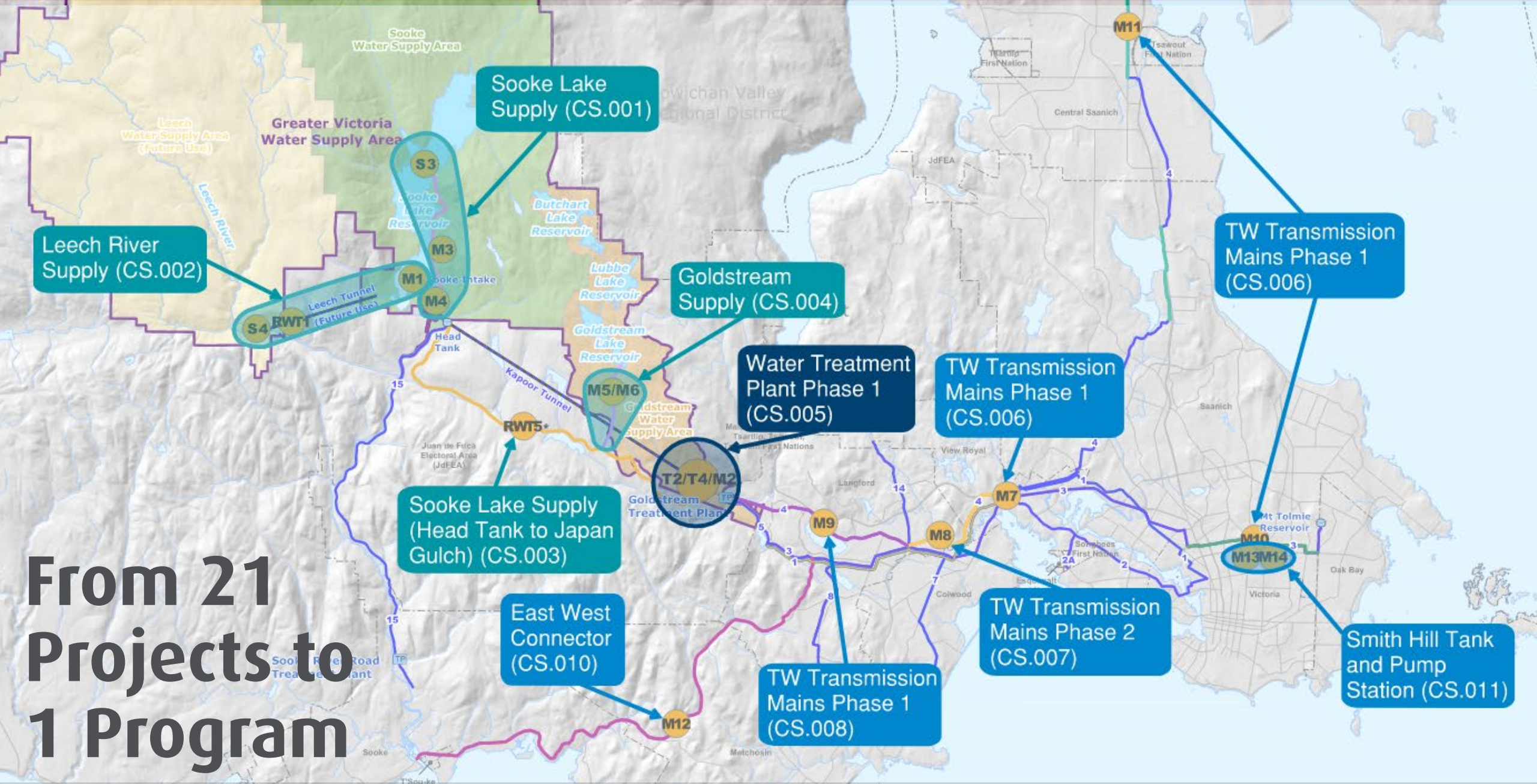
☒ Project Delivery Review

Creating a Project Delivery Framework



Project Delivery Spectrum

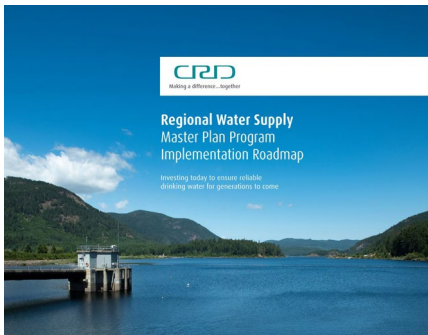




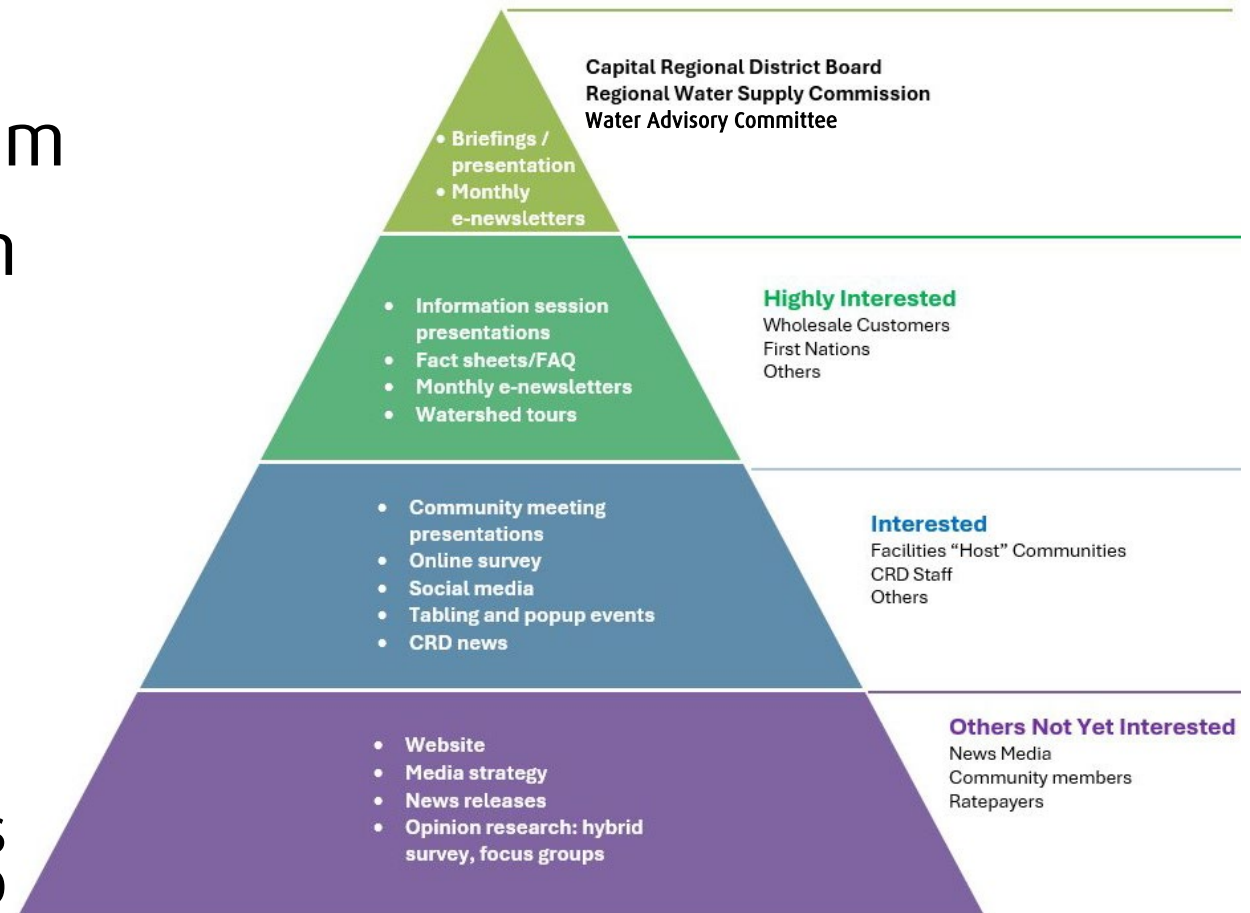
☒ Program Implementation Plan

Communications Plan informs, maintains awareness, and builds trust

- Ongoing throughout Program
- Overall package of Program projects and benefits
- Target audiences to focus communication effort



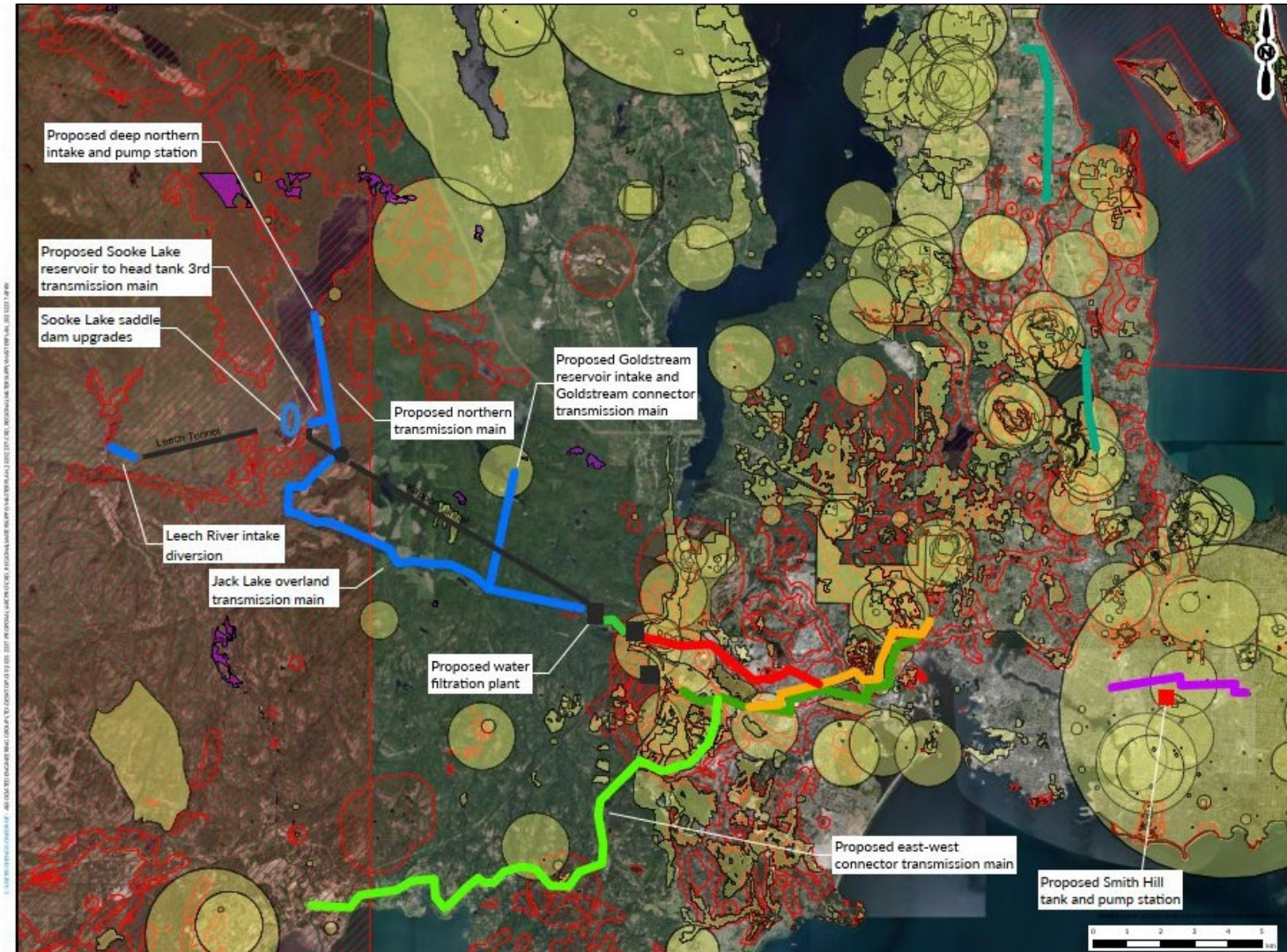
COMMUNICATIONS PYRAMID



**Creating a
financial model
provides project
timing clarity
and identifies
funding
opportunities**



Holistic permitting framework allows for efficiencies between projects



Governance framework optimizes decision making for large-scale program



Choosing the right level of governance is key to optimize:

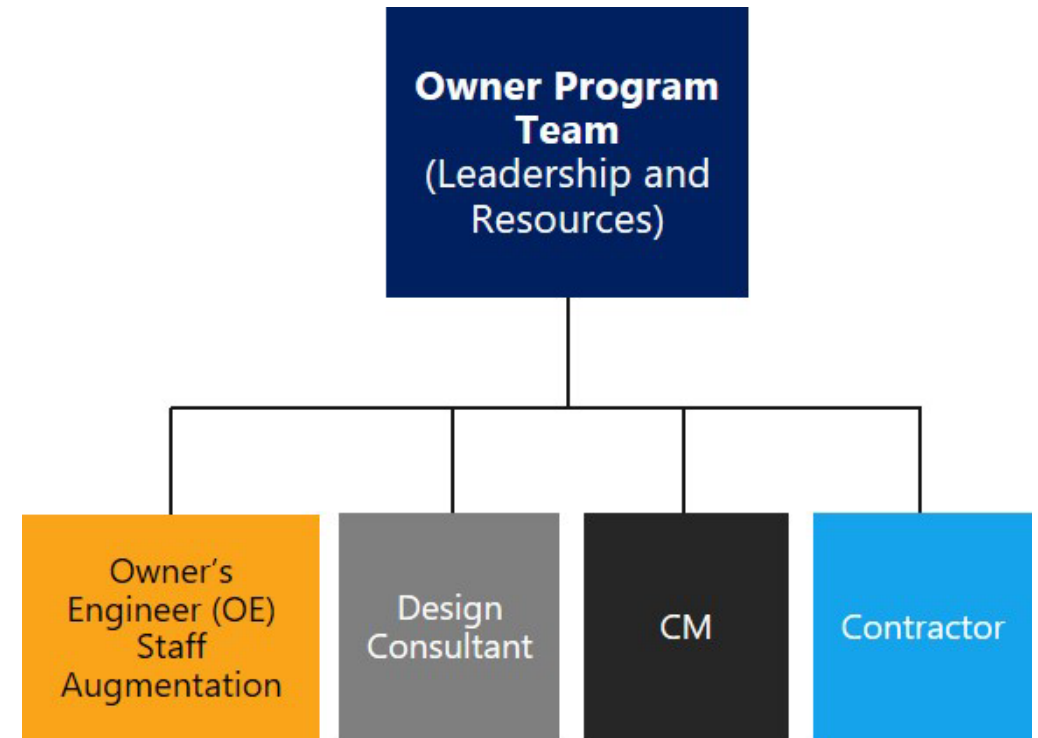
- Financial
- Technical
- Logistical
- Managerial

Governance framework optimizes decision making for large-scale program



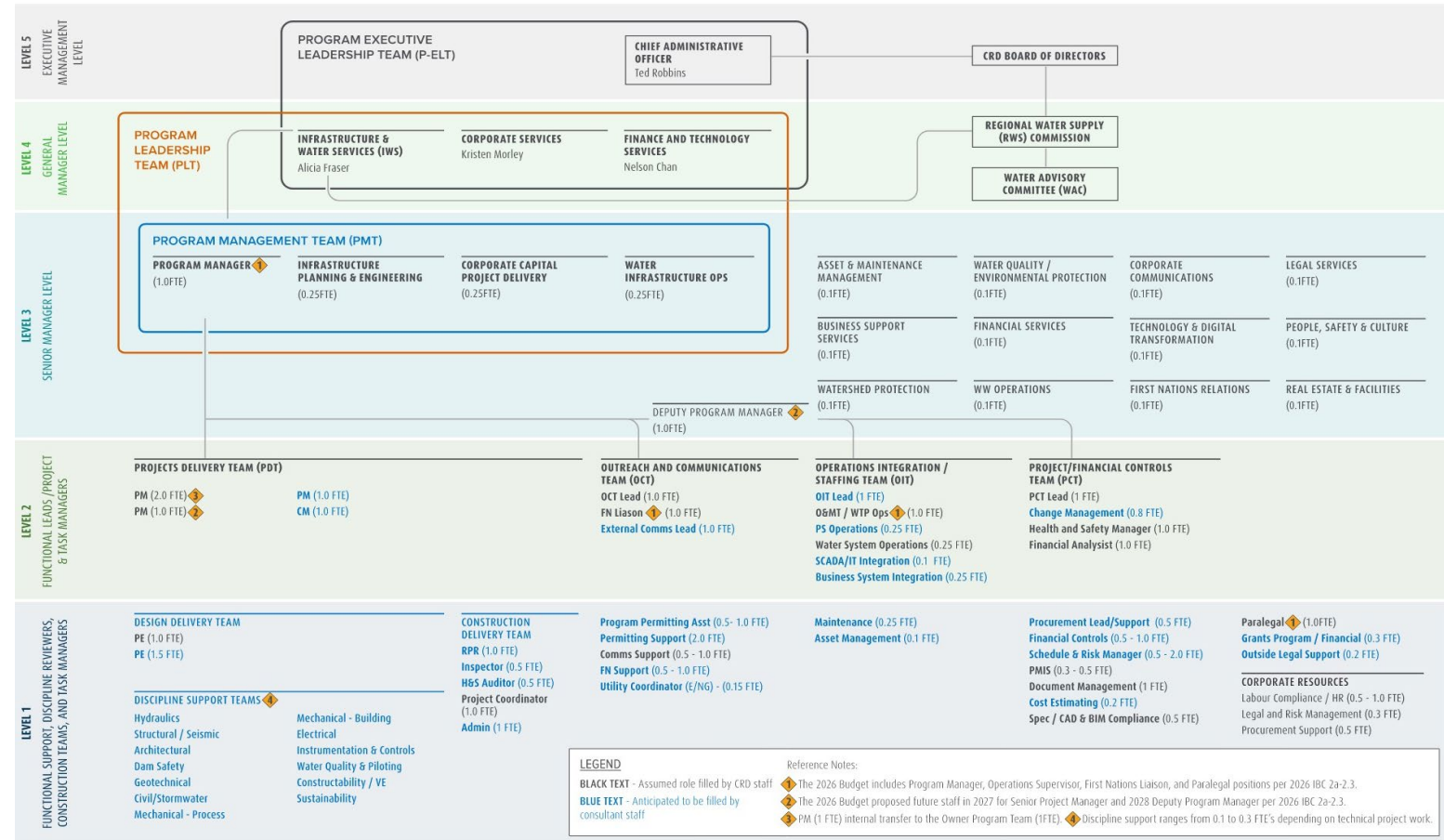
Owner managed program selected to:

- Maintain control over key decisions
- Safeguard public accountability
- Strengthens operational ability
- Directly manage and contribute to partnerships

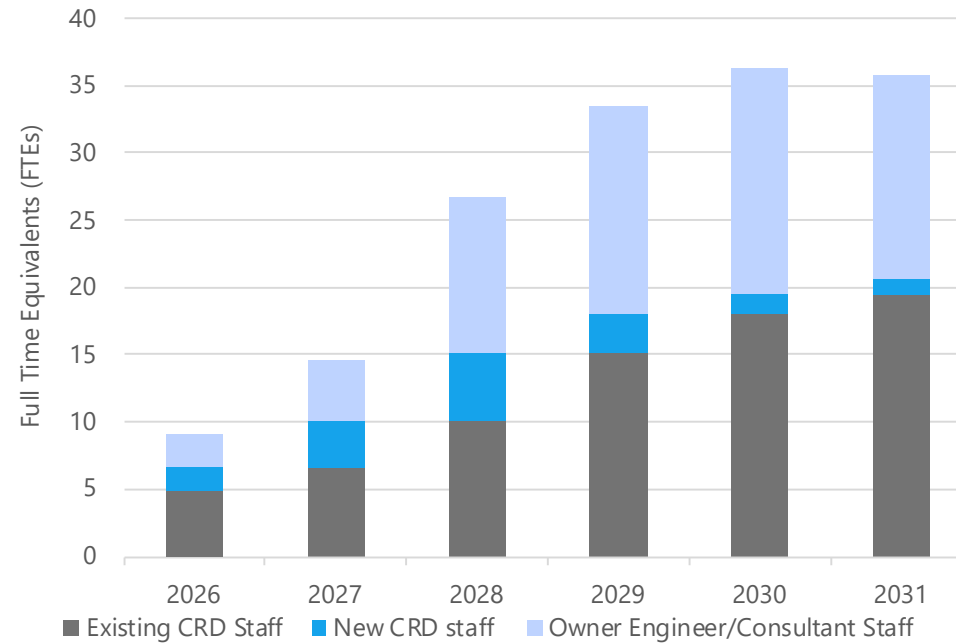


Using leadership teams to provide clear hierarchy

RESPONSIBLE
ACCOUNTABLE
CONSULTED
INFORM



Resourcing plan transparently shows staff allocation throughout program phases



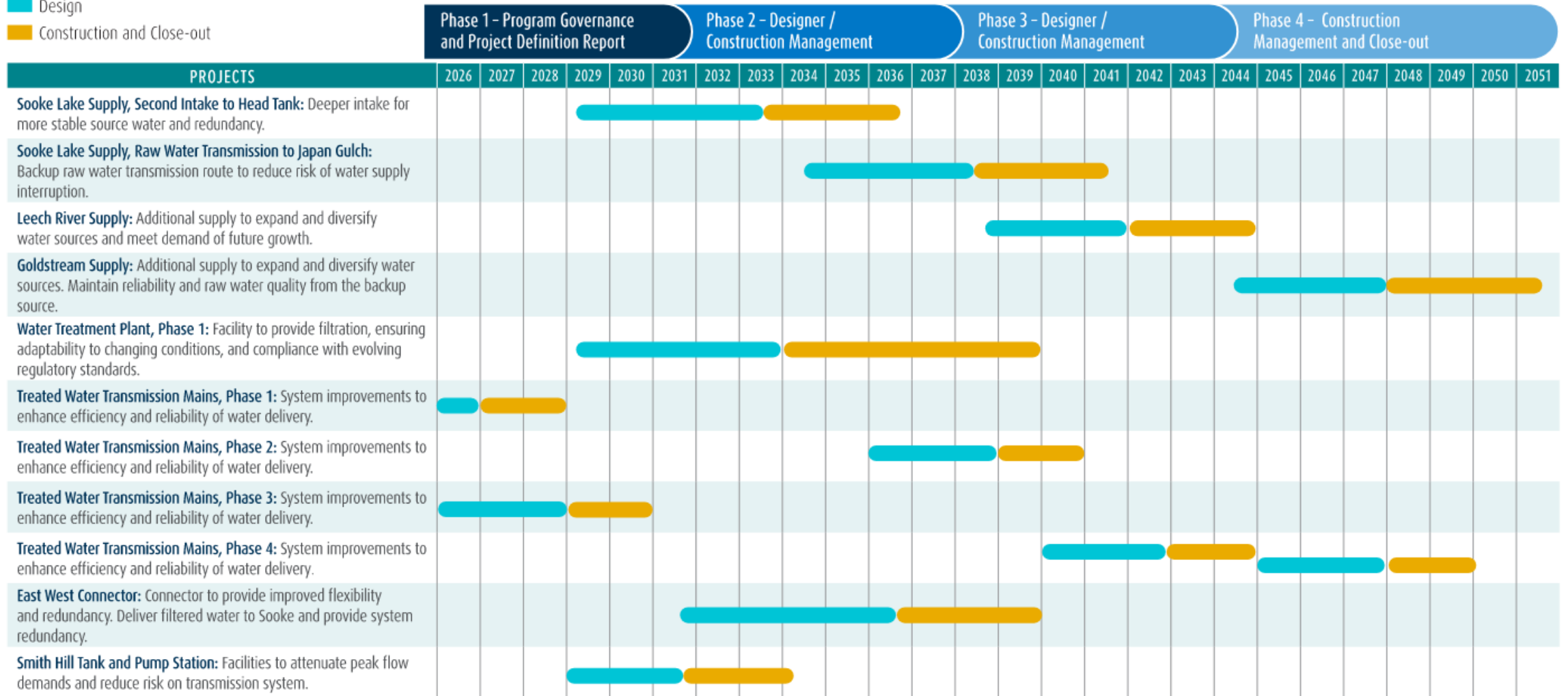


Next Steps

Program Schedule

Design

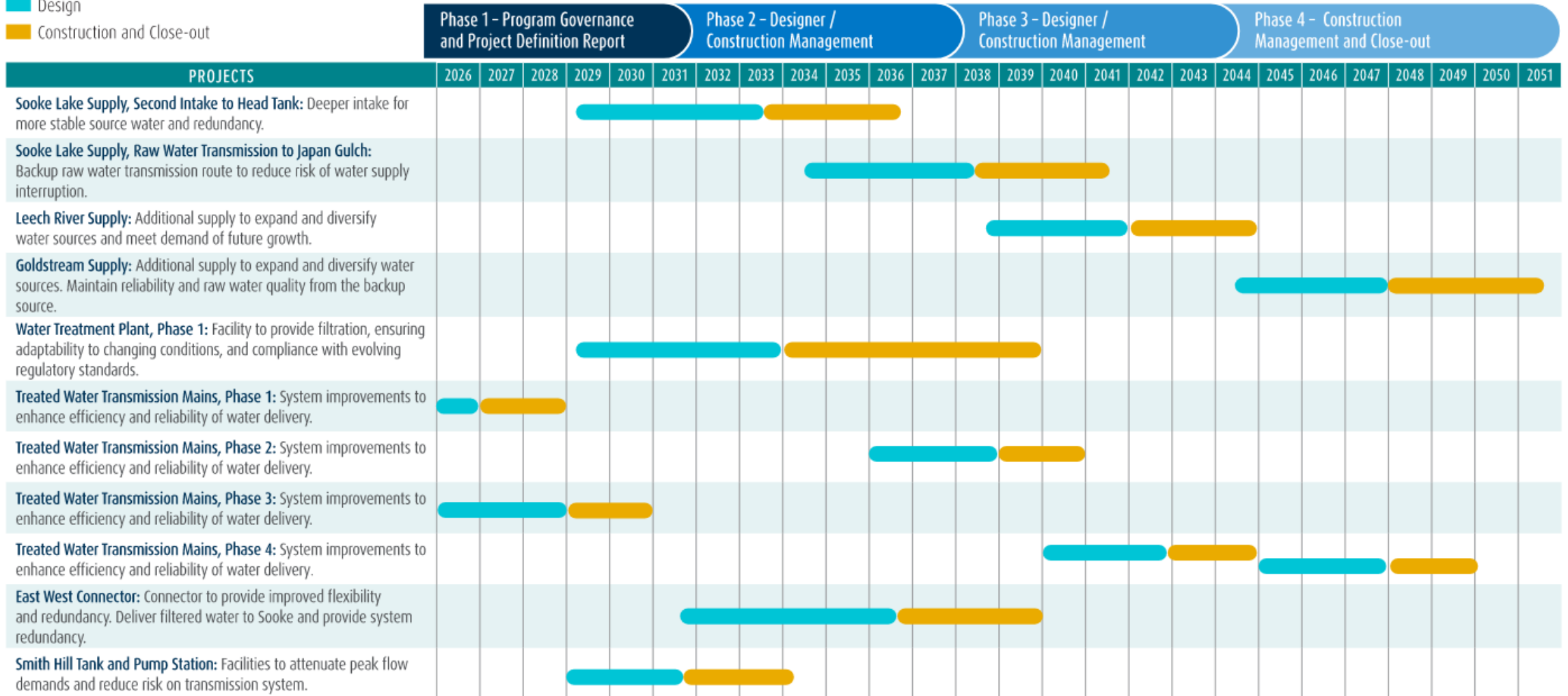
Construction and Close-out



Two key steps in Phase 1

Design

Construction and Close-out



1

ESTABLISH PROGRAM STRUCTURE AND GOVERNANCE.

Approach

Put the right people and systems in place within CRD

Benefit

Build CRD capacity and strength and balance use of industry expertise

2

DELIVER PROJECT DEFINITION REPORT.

Approach

Perform holistic assessment of all projects and begin water treatment pilot testing

Benefit

Helps CRD solicit feedback from interested parties and understand effects of individual projects on one another

Next Steps

- Findings Report submitted and approved by the RWSC June 17
- Continue hiring new positions in 2026 and beyond
- Key Activities in 2026/2027:
 - Program Structure and Governance stand-up
 - Advance Project Definition Report, including pilot testing
- Continue progressing current projects with existing staff
 - Water Transmission Main Upgrade Program
 - Smith Hill Storage Assessment
 - Resiliency Plan





Questions?

Connect with us



Capital Regional District



CRDVictoria



crd.ca



HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, April 15, 2026

1:30 PM

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

The following is a quick snapshot of the FINAL 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.

6. CONSENT AGENDA

- 6.1. **26-0432** Summary of Recommendations from Other Water Commissions (A. Fraser)

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

- 6.2. **26-0431** Water Watch Report – April (A. Fraser)

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

- 6.3. **26-0426** Monthly Drinking Water Quality Dashboard – March (G. Harris)

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

7. COMMISSION BUSINESS

- 7.1. **26-0383** General Manager's Verbal Update – April (A. Fraser)

Recommendation: There is no recommendation. This verbal update is for information only.

- 7.2. **26-0278** 2027 Service and Financial Planning Guidelines (V. Somosan)

Recommendation: [At the April 8, 2026 Capital Regional District Board meeting, the staff report recommendation was carried.]

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

- 7.3. **26-0407** Field Operations Centre Project Capital Plan Amendment and Contract Change Order (A. Fraser)

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

1. That the project budget for the New Field Operations Centre Building (16-06), as included in the 2026 Regional Water Supply Capital Plan, be increased by \$995,000, funded through a grant from the City of Langford;
 2. That the 2026 Regional Water Supply Capital Budget be amended to reallocate \$2,000,000 from the Land and Site Works (23-31) to the New Field Operations Centre Building (16-06); and
 3. That a change order be authorized under the existing Design-Build contract with Kinetic Design-Build Ltd. for the construction of a sanitary line extension in the amount of \$1,242,612 (excluding GST).
- WP - All

7.4. 26-0403 Capital Regional District Cross Connection Control Program Update

(G. Harris)

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



HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, May 20, 2026

1:30 PM

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

The following is a quick snapshot of the FINAL 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.

6. CONSENT AGENDA

- 6.1. **26-0567** Summary of Recommendations from Other Water Commissions
(A. Fraser)

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

- 6.2. **26-0564** Water Watch Report – May
(A. Fraser)

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

- 6.3. **26-0575** Monthly Drinking Water Quality Dashboard – April
(G. Harris)

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

7. COMMISSION BUSINESS

- 7.1. **26-0581** General Manager's Verbal Update – May
(A. Fraser)

Recommendation: There is no recommendation. This verbal update is for information only.

- 7.2. **26-0530** 2027 Service Delivery - Staffing Requirements
(A. Fraser)

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

Motion Arising: The Regional Water Supply Commission recommends to the Capital Regional District Board:
That staff be directed to include the proposed positions for the Master Plan Program Project Engineer (1 FTE) and Field Operations Centre (1.5 FTEs) in the Regional Water Supply Service budget for 2027.

7.3. 26-0406 Bylaw Nos. 4753, 4769, and 4770: First Nations' Access to the Greater Victoria Water Supply Area

(A. Constabel)

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

1. That Bylaw No. 4753, "Capital Regional District Water Supply Area Regulations Bylaw No. 1, 2000, Amendment Bylaw No. 3, 2026" be introduced and read a first, second time;
2. That CRD Bylaw 4753 be amended in Section 1 (o) to read: "In section 30, 'Firearms and Hunting', by removing the words 'in the Leech Water Supply Area'."
3. That Bylaw No. 4753 be given third reading and adopted;
4. That Bylaw No. 4769, "Capital Regional District Ticket Information Authorization Bylaw, 1990, Amendment Bylaw No. 90, 2026" be introduced and read a first, second and third time;
5. That Bylaw No. 4769 be adopted;
6. That Bylaw No. 4770, "Bylaw Notice Enforcement Bylaw No. 1, 2025, Amendment Bylaw No. 4, 2026" be introduced and read a first, second and third time; and
7. That Bylaw No. 4770 be adopted.

7.4. 26-0498 2026-2035 Water Conservation Plan for Greater Victoria

(G. Harris)

Recommendation: That the Regional Water Supply Commission:

1. Approve the 2026-2035 Greater Victoria Water Conservation Plan and direct staff to move forward with the actions identified; and
2. Direct staff to forward the 2026-2035 Greater Victoria Water Conservation Plan to the Capital Regional District Board for information.

7.5. 26-0522 Greater Victoria Water Supply Area 2025 Wildfire Management Update

(A. Constabel)

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



HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, June 17, 2026

1:30 PM

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

6. CONSENT AGENDA

- 6.1. **26-0726** Summary of Recommendations from Other Water Commissions
(A. Fraser)

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

- 6.2. **26-0715** Water Watch Report - June 2026
(A. Fraser)

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

- 6.3. **26-0732** Monthly Drinking Water Quality Dashboard - May 2026
(A. Fraser)

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

7. COMMISSION BUSINESS

- 7.1. **26-0646** General Manager's Verbal Update - June 2026
(A. Fraser)

Recommendation: There is no recommendation. This verbal update is for information only.

- 7.2. **26-0689** Greater Victoria Drinking Water Quality - 2025 Annual Report
(G. Harris)

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

1. That the Greater Victoria Drinking Water Quality 2025 Annual Report be approved; and
2. That the Greater Victoria Water Quality 2025 Annual Report be forwarded to Island Health Authority.
(NWA)

- 7.3. **26-0730** Master Plan Program Implementation Plan
(A. Fraser)

Recommendation: That the Regional Water Supply Commission direct staff to proceed with the recommendations outlined in the Findings Report as the basis for the continued advancement of the Master Plan Program.
(NWA)

7.4. 26-0716 Regional Water Supply Service 2026 Mid-Year Capital Projects and Operations Update

(A. Fraser)

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



HOTSHEET AND ACTION LIST

Regional Water Supply Commission

Wednesday, July 15, 2026

1:30 PM

Electronic

6. CONSENT AGENDA

- 6.1. **26-0824** Water Watch Report - July 2026 (A. Fraser)

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

- 6.2. **26-0706** Monthly Drinking Water Quality Dashboard - June 2026 (A. Fraser)

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

7. ADMINISTRATION REPORTS

- 7.1. **26-0828** General Manager's Verbal Update - July 2026 (A. Fraser)

Recommendation: There is no recommendation. This verbal update is for information only.

- 7.2. **26-0793** Designation of Watershed Security Officers (A. Constabel)

Recommendation: The Regional Water Supply Commission recommends that the Capital Regional District Board:
Appoint Hugh Slater as Watershed Security Officer, and remove Derek Hall from appointment, for the purpose of Section 233 of the Local Government Act and Section 28(3) of the Offence Act, and in accordance with Capital Regional District Bylaw No. 2681.
(NWA)

- 7.3. **26-0794** Environmental Monitoring Access Agreement - WSANEC Leadership Council Society (A. Constabel)

Recommendation: 1. That access to the Greater Victoria Water Supply Area for the WSANEC Leadership Council Society be approved; and
2. That the General Manager Infrastructure & Water Services be authorized to finalize, and the Regional Water Supply Commission Chair be authorized to execute, the Environmental Monitoring Access Agreement with the WSANEC Leadership Council Society, attached as Appendix A.
(WP - All)

HOTSHEET AND ACTION LIST

The following is a quick snapshot of the FINAL 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.

Regional Water Supply Commission

Wednesday, September 16, 2026

1:30 PM

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

6. CONSENT AGENDA

- 6.1. 26-0991 Summary of Recommendations from Other Water Commissions

A. Fraser

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

- 6.2. 26-0992 *Water Watch Report - September 2026*

A. Fraser

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

- 6.3. 26-1012 *Monthly Water Quality Dashboard - July & August 2026*

A. Fraser

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

7. ADMINISTRATION REPORTS

- 7.1. 26-0873 *General Manager's Verbal Update - September 2026*

A. Fraser

Recommendation: There is no recommendation. This verbal update is for information only.

- 7.2. 26-0878 Regional Water Supply Service 2027 Capital and Operating Budget

A. Fraser/N. Chan

Recommendation: The Regional Water Supply Commission recommends that the Committee of the Whole recommend that the Capital Regional District Board:

1. Approve the 2027 Operating and Capital Budget and the Five-Year Capital Plan;
 2. Approve the 2027 wholesale water rate of \$0.9954 per cubic metre;
 3. Approve the 2027 agricultural water rate of \$0.2105 per cubic metre;
 4. Direct staff to balance the 2026 actual revenue and expense on the transfer to the water capital fund;
 5. Direct staff to update carry forward balances in the 2027 Capital Budget for changes after year end; and
 6. Direct staff to amend the Water Rates Bylaw accordingly.
- (WP – All)

7.3. 26-0929 Renewable Energy Generation Proposal at Humpback PCS

J. Kelly

Recommendation: The Regional Water Supply Commission recommends that staff:

1. Proceed to incorporate a microturbine at Humpback PCS to capture energy from the pressure reduction on Supply Main No. 3, by incorporating this work with existing capital works planned at this location;
 2. Reassess the Net Present Value assumptions as estimates and quotes are updated, to verify a positive payback period remains anticipated, prior to entering a supply contract; and
 3. Report back if new information becomes available to impede the viability of this initiative.
- (WP – All)

7.4. 26-0930 Transmission Main Upgrade Program Update and Award Recommendation

J. Kelly

Recommendation: That the Regional Water Supply Commission:

1. Authorize the award of Change Order #18 and Change Order #19 to Jacobs Consultancy Canada Inc. and authorize staff to award subsequent changes to a total of \$6,131,238.50 up to a maximum contract value of \$6,500,000; and
 2. Direct Staff to amend the maximum payable under the contract to the new maximum amount of \$6,500,000.
- (WA)

CAPITAL REGIONAL DISTRICT - INFRASTRUCTURE & WATER SERVICES**Water Watch**

Issued September 15, 2026

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

Reservoir System	September 30 5 Year Ave	September 30/25	September 13/26	% Existing Full Storage
	ML ¹	ML ¹	ML ¹	
Sooke	62,398	59,408	61,087	65.9%
Goldstream*	7,579	7,268	7,314	73.8%
Total	69,977	66,676	68,401	66.6%

* Goldstream System is the emergency backup water supply for the Greater Victoria Region

¹ML = Million Litres**2. Average Daily Demand:**

For the month of September	185.0 MLD ²
For week ending September 13, 2026	187.2 MLD ²
Max. day September 2026, to date:	204.4 MLD ²

3. Average 5 Year Daily Demand for August

Average (2021 - 2025)	166.3 MLD ²
	² MLD = Million Litres Per Day

4. Rainfall August:

Average (1914 - 2025):	65.3 mm
Actual Rainfall to Date	5.7 mm (9% of monthly average)

5. Rainfall: Sep 1- Sep 13

Average (1914 - 2025):	20.7 mm
2025/2026	5.7 mm (28% of average)

6. Water Conservation Required Action:

Did you know that the 2024 change to the Water Conservation Bylaw recommends that landowners and residents switch timing of residential irrigation systems from 4:00 am to an expanded window anytime between 12:01 am to 10:00 am on established watering days? Please go to Water Conservation Bylaw Changes | Capital Regional District to get informed and do your part to help protect our regional water supply system.

<https://www.crd.ca/news/water-conservation-bylaw-changes>

For general information regarding water conservation, visit the CRD webpage linked below:

<https://www.crd.ca/environment/water-conservation>

Please note: CRD is planning improvements to modernize the Water Watch Reports.

If you have any questions, comments or concerns, please contact:

Alicia Fraser, P. Eng.
General Manager, CRD - Infrastructure and Water Services
or

Glenn Harris, Ph D., RPBio
Senior Manager - Environmental Protection

CRD Infrastructure & Water Services
479 Island Highway
Victoria, BC V9B 1H7
(250) 474-9600

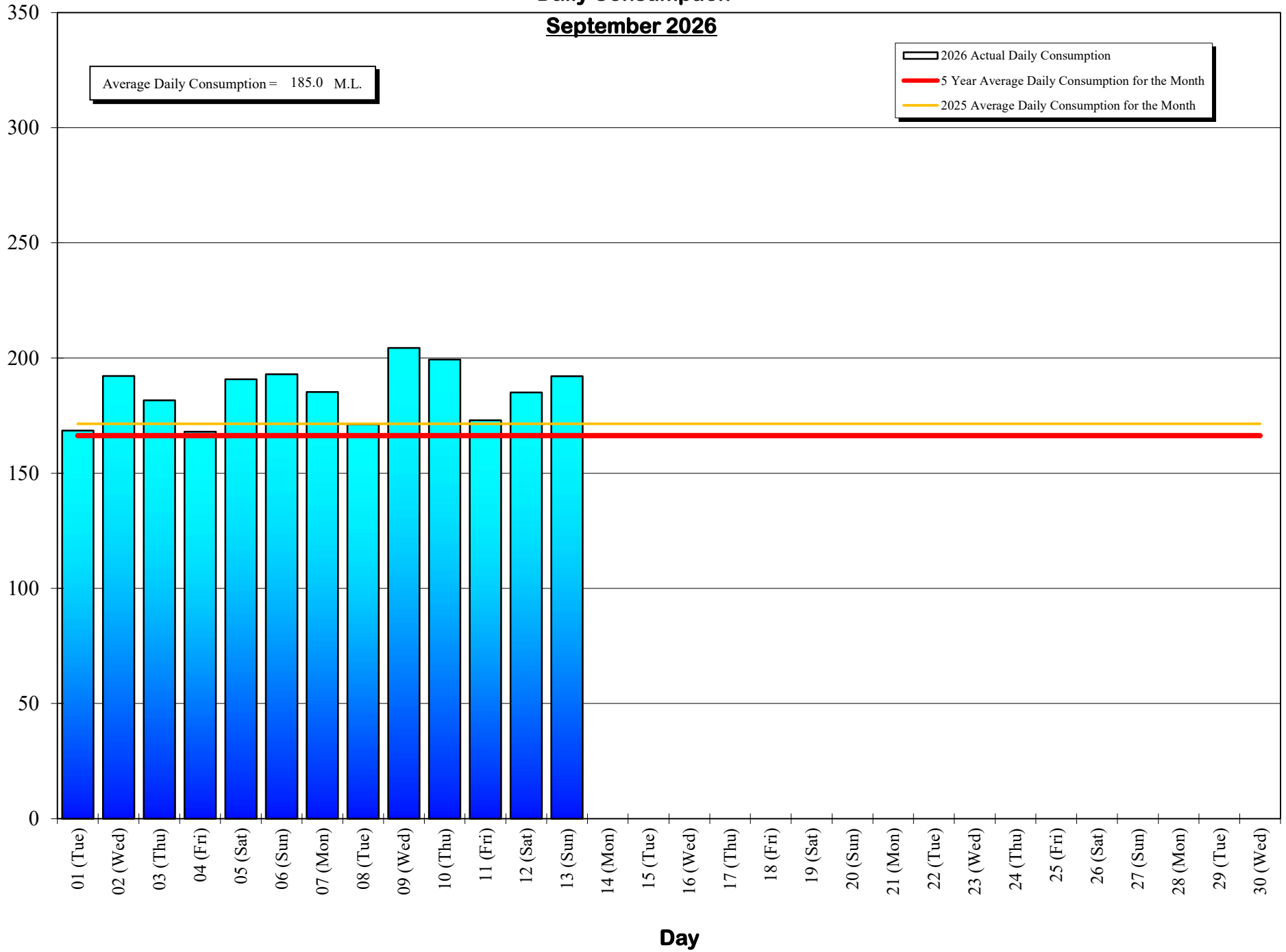
Daily Consumption

September 2026

Average Daily Consumption = 185.0 M.L.

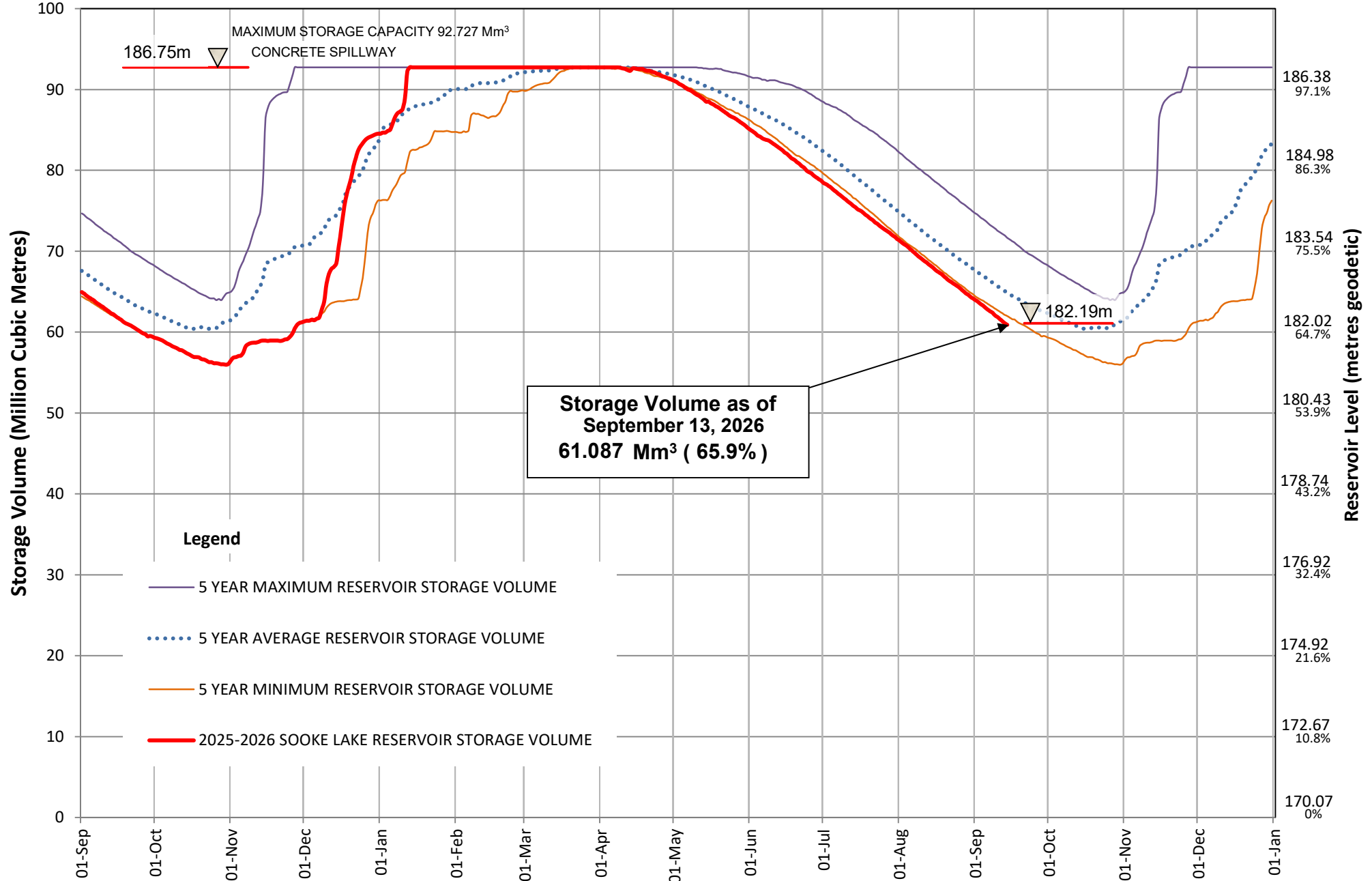
2026 Actual Daily Consumption
5 Year Average Daily Consumption for the Month
2025 Average Daily Consumption for the Month

Consumption (Million Litres)



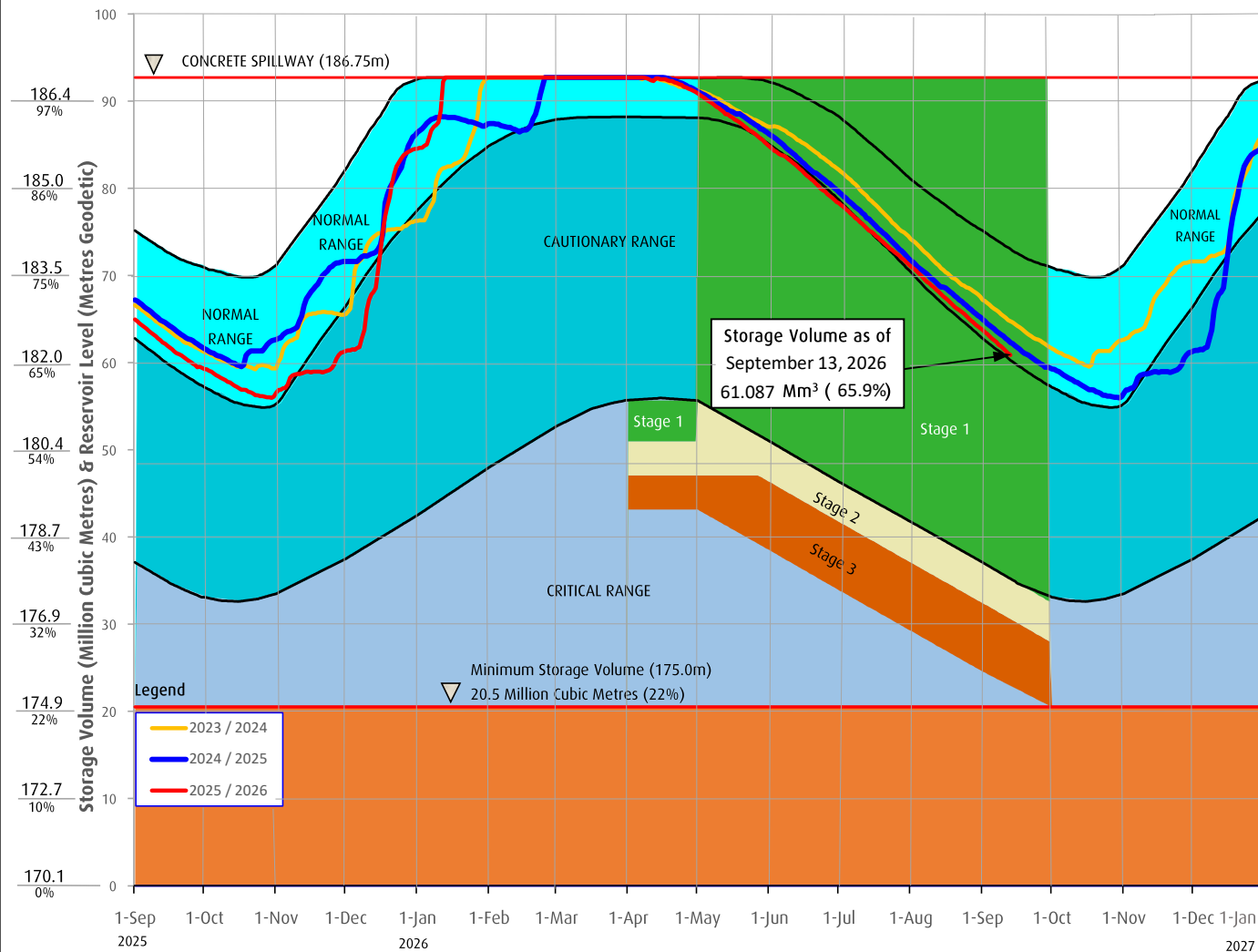
SOOKE LAKE RESERVOIR STORAGE SUMMARY

2025 / 2026



Sooke Lake Reservoir Storage Level

Water Supply Management Plan



FAQs

How are water restriction stages determined?

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

1. Time of year and typical seasonal water demand trends;
2. Precipitation and temperature conditions and forecasts;
3. Storage levels and storage volumes of water reservoirs (Sooke Lake Reservoir and the Goldstream Reservoirs) and draw down rates;
4. Stream flows and inflows into Sooke Lake Reservoir;
5. Water usage, recent consumption and trends; and customer compliance with restriction;
6. Water supply system performance.

The Regional Water Supply Commission will consider the above factors in making a determination to implement stage 2 or 3 restrictions, under the Water Conservation Bylaw.

At any time of the year and regardless of the water use restriction storage, customers are encouraged to limit discretionary water use in order to maximize the amount of water in the Regional Water Supply System Reservoirs available for nondiscretionary potable water use.

Stage 1 is normally initiated every year from May 1 to September 30 to manage outdoor use during the summer months. During this time, lawn watering is permitted twice a week at different times for even and odd numbered addresses.

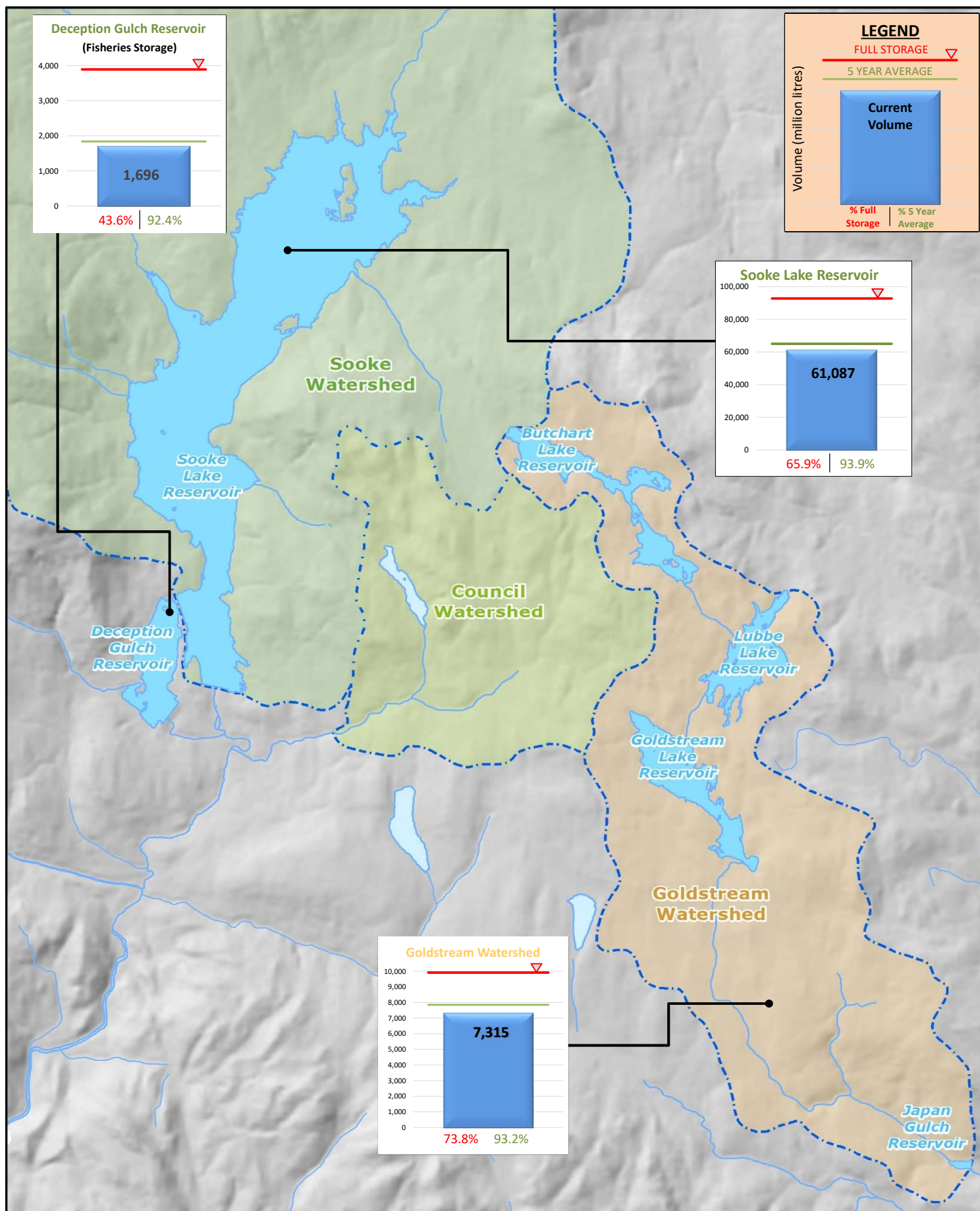
Stage 2 Is initiated when it is determined that there is an acute water supply shortage. During this time, lawn water is permitted once a week at different times for even and odd numbered addresses.

Stage 3 Is initiated when it is determined that there is a severe water supply shortage. During this time, lawn watering is not permitted. Other outdoor water use activities are restricted as well.

For more information, visit www.crd.bc.ca/drinkingwater

CRD
Making a difference...together

Useable Reservoir Volumes in Storage for September 13, 2026



Monthly Drinking Water Quality Dashboard

Water Quality Operations

Capital Regional District | July 2026

1. Treated Water | Monthly Compliance

The following table summarizes the main regulatory parameters across the various transmission and distribution systems in the Greater Victoria Drinking Water System (GVDWS). Drinking water systems in British Columbia are required to comply with the BC Drinking Water Protection Regulation and are expected to operate in accordance with recognized industry standards.

Monthly Water Quality Compliance Results by Municipality								
Municipality	Required Samples	Actual Samples Collected	Percent Total Coliform Samples >1 CFU/100 ml	Total Coliform Samples >10 CFU/100 ml	E.coli Samples >1 CFU/100 mL	Turbidity Samples >1 NTU	Chlorine Residual Median mg/L	Water Temp. Median °C
Central Saanich	17	27	0	0	0	0	1.62	15.0
Saanich	94	103	1.0	0	0	0	1.52	15.6
North Saanich	13	21	0	0	0	0	1.46	15.3
Victoria / Esquimalt	93	100	1.0	0	0	0	1.52	16.4
Oak Bay	20	25	0	0	0	0	1.58	15.9
Sidney	14	17	0	0	0	0	1.59	15.2
Sooke / East Sooke	17	33	0	0	0	0	1.35	15.6
Westshore	82	94	0	0	0	0	1.38	15.4
Transmission Mains	n/a	78	1.3	0	0	0	1.92	13.6
Transmission Reservoirs	n/a	24	0	0	0	0	1.52	14.2
Total	350	522	3.3	0	0	0	1.55	15.2

GREEN – Compliance with industry and/or health standards

YELLOW – Exceedance of operational and/or aesthetic objectives

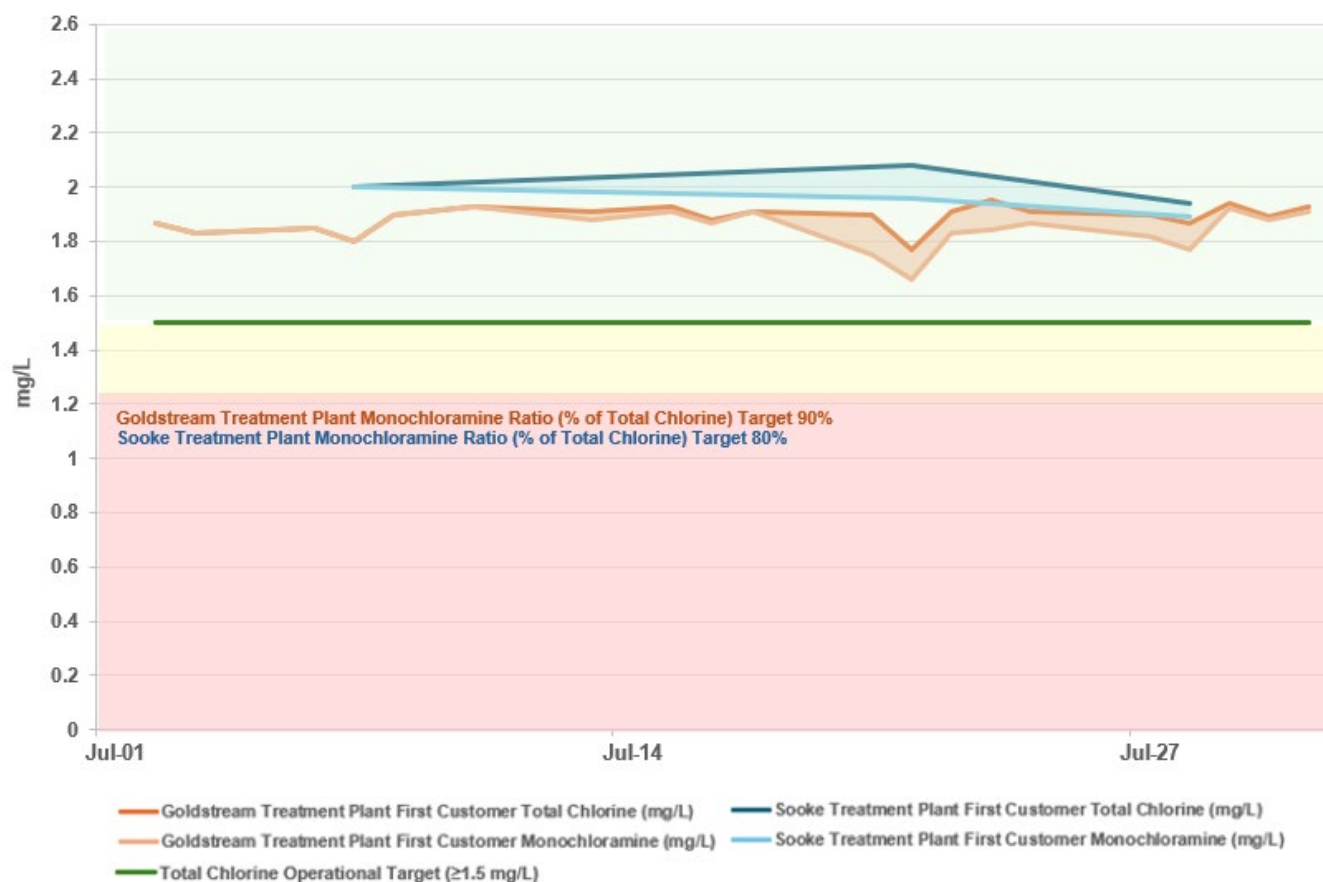
RED – Exceedance of industry and/or health standards

In July 2026, all GVDWS systems met provincial requirements and industry standards for drinking water quality.

Treated water temperature exceeded the aesthetic objective in the *Guidelines for Canadian Drinking Water Quality* in all systems except the transmission system. Temperature can influence a number of physical aspects of drinking water, including taste and odour, and also regrowth of bacteria in the infrastructure. However, it is only one of many parameters that influences water quality. Monitoring for bacteria and ensuring consistent, adequate chlorine residuals throughout the month are two important lines of evidence that confirm there is adequate protection from bacterial growth.

2. Treated Water | Goldstream Treatment Plant First Customer and Sooke Treatment Plant First Customer, Total Chlorine and Monochloramine

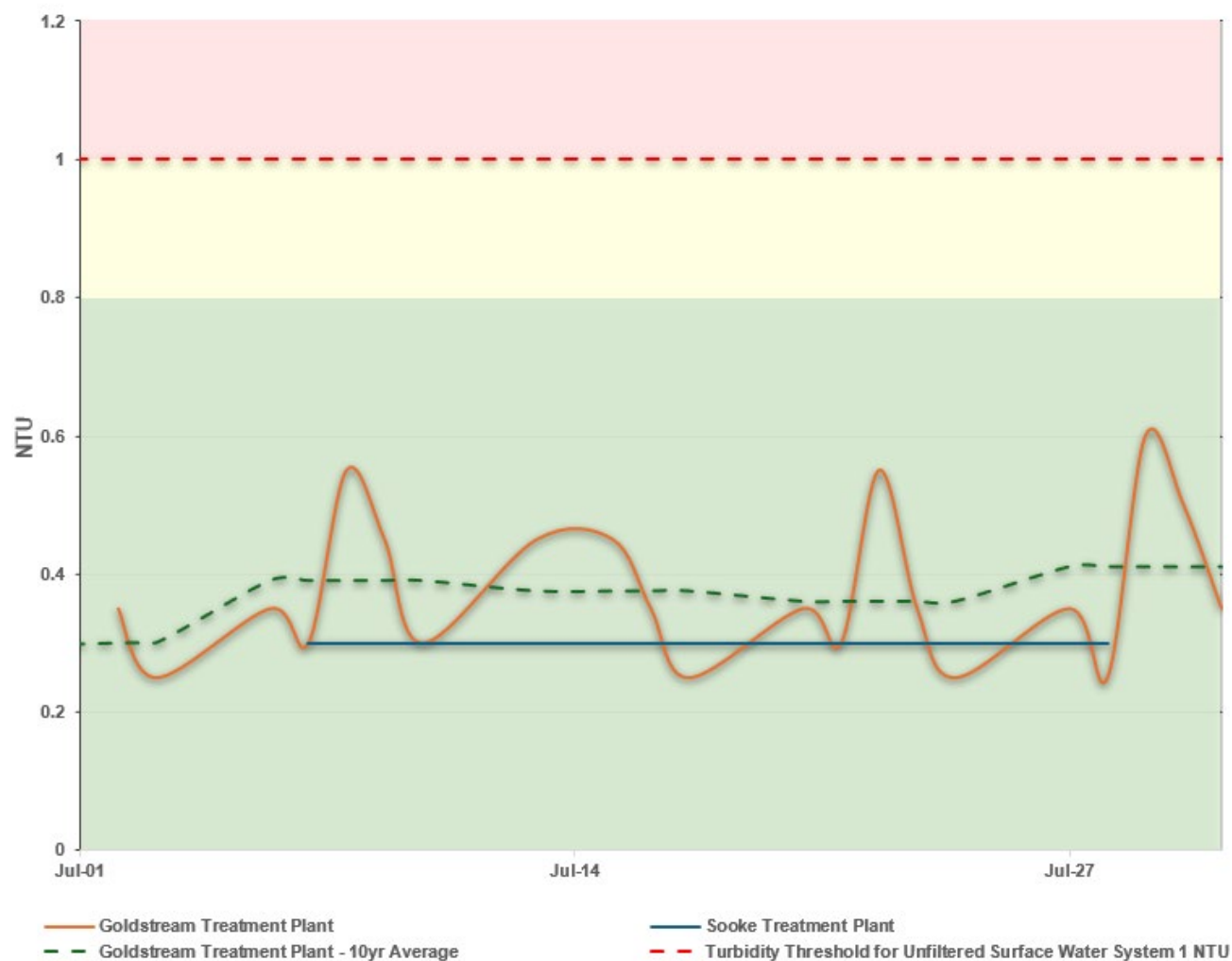
The following graph shows the daily measured total chlorine and monochloramine concentrations at the first treated water sampling stations downstream of the two CRD water treatment plants.



In July 2026, both plants consistently met the target total chlorine concentration of 1.5 mg/L and their respective monochloramine targets providing good secondary disinfection in the distribution systems.

3. Raw Water Turbidity | Goldstream Treatment Plant and Sooke Treatment Plant

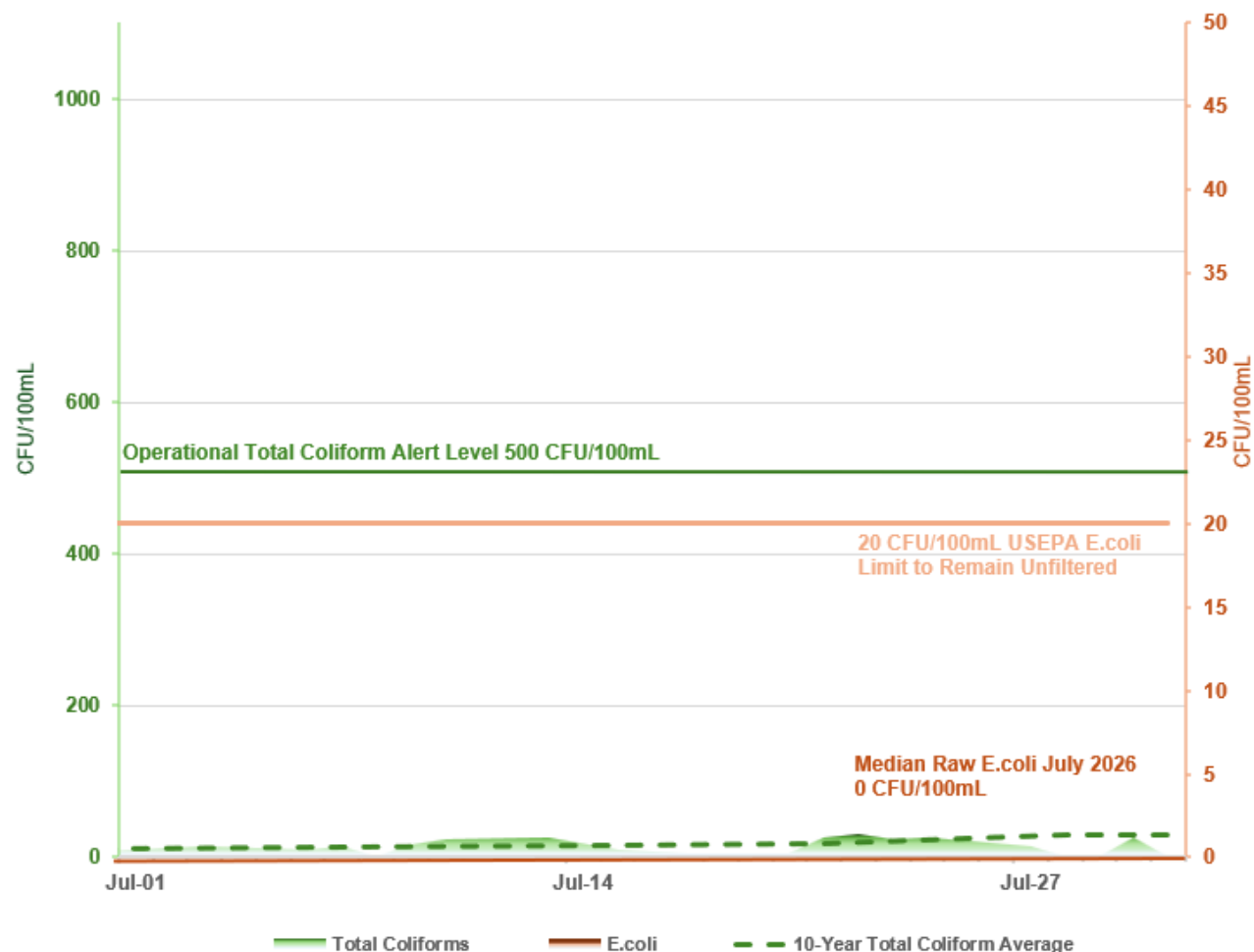
The following graph shows the raw water turbidity measured at both water treatment plants.



The GVDWS, an unfiltered surface water system, must consistently achieve turbidity levels under 1 NTU to meet regulatory standards. Turbidity levels at both treatment plants were consistently within compliance. Short-term minor turbidity spikes were recorded every Wednesday morning at the Goldstream Treatment Plant due to peak flows and watering demands.

4. Raw Water Biological Parameters | Total Coliforms and E. coli at Goldstream Treatment Plant

The following depicts the concentrations of key bacteria in the raw water.



The concentrations of total coliform and E.coli bacteria in the raw water remained below the B.C. Ministry of Health and USEPA limit for unfiltered surface water systems. The highest recorded raw water total coliform concentration during the month of July was 32 CFU/100mL.

Monthly Drinking Water Quality Dashboard

Water Quality Operations

Capital Regional District | August 2026

1. Treated Water | Monthly Compliance

The following table summarizes the main regulatory parameters across the various transmission and distribution systems in the Greater Victoria Drinking Water System (GVDWS). Drinking water systems in British Columbia are required to comply with the BC Drinking Water Protection Regulation and are expected to operate in accordance with recognized industry standards.

Monthly Water Quality Compliance Results by Municipality								
Municipality	Required Samples	Actual Samples Collected	Percent Total Coliform Samples >1 CFU/100 ml	Total Coliform Samples >10 CFU/100 ml	E.coli Samples >1 CFU/100 mL	Turbidity Samples >1 NTU	Chlorine Residual Median mg/L	Water Temp. Median °C
Central Saanich	17	21	0	0	0	0	1.47	18.7
Saanich	94	98	2.0	0	0	0	1.49	19.8
North Saanich	13	17	0	0	0	0	1.37	18.6
Victoria / Esquimalt	93	105	0	0	0	0	1.44	20.2
Oak Bay	20	22	0	0	0	0	1.44	20.0
Sidney	14	16	0	0	0	0	1.42	19.1
Sooke / East Sooke	17	38	0	0	0	0	1.27	18.6
Westshore	82	85	1.2	0	0	0	1.13	19.5
Transmission Mains	n/a	72	0	0	0	0	1.85	18.6
Transmission Reservoirs	n/a	20	0	0	0	0	1.38	19.2
Total	350	494	3.2	0	0	0	1.43	19.3

GREEN – Compliance with industry and/or health standards

YELLOW – Exceedance of operational and/or aesthetic objectives

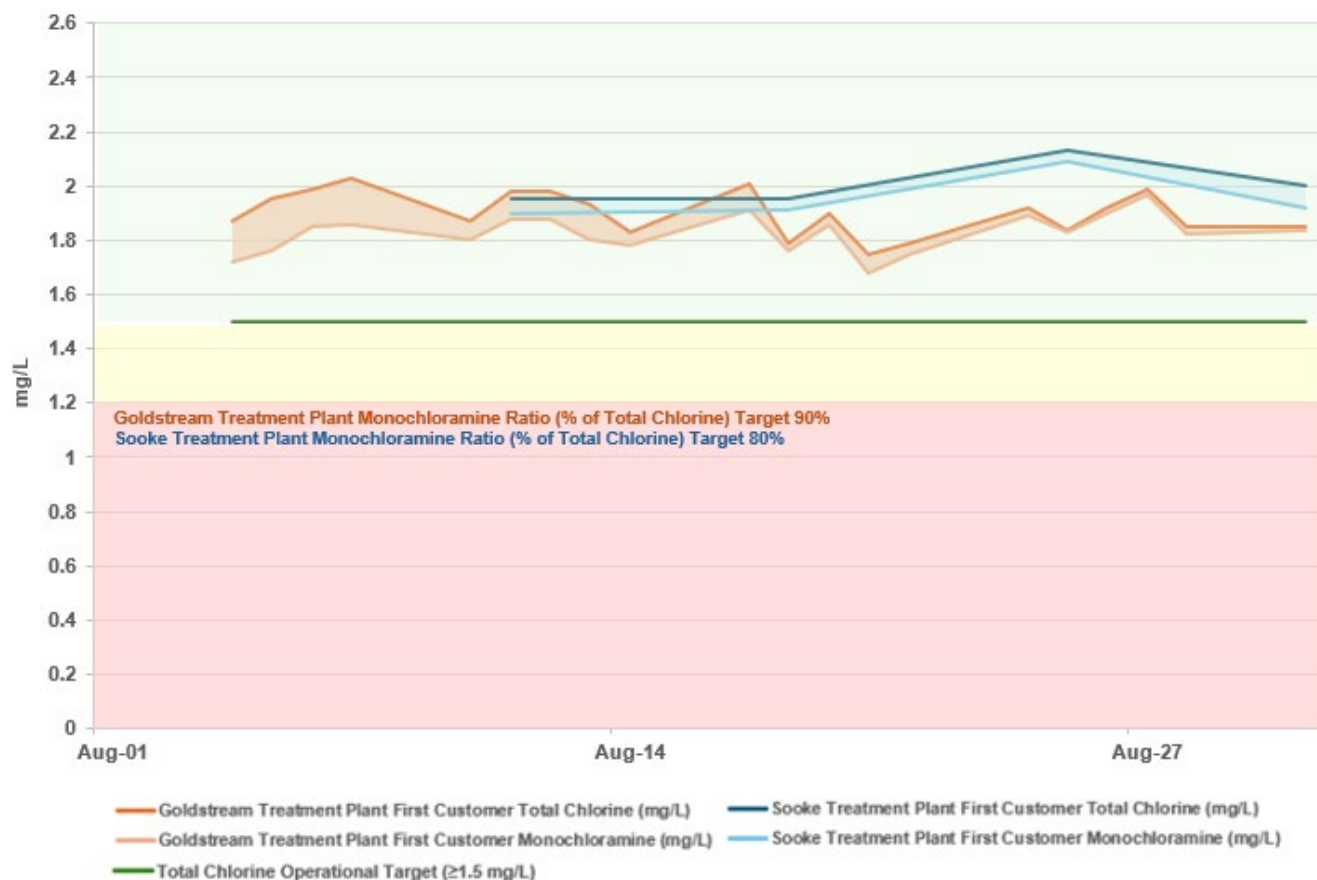
RED – Exceedance of industry and/or health standards

In August 2026, all GVDWS systems met provincial requirements and industry standards for drinking water quality.

Treated water temperature exceeded the aesthetic objective in the *Guidelines for Canadian Drinking Water Quality* in all transmission and distribution systems. Temperature can influence a number of physical aspects of drinking water, including taste and odour, and also regrowth of bacteria in the infrastructure. However, it is only one of many parameters that influences water quality. Monitoring for bacteria and ensuring consistent, adequate chlorine residuals throughout the month are two important lines of evidence that confirm there is adequate protection from bacterial growth.

2. Treated Water | Goldstream Treatment Plant First Customer and Sooke Treatment Plant First Customer, Total Chlorine and Monochloramine

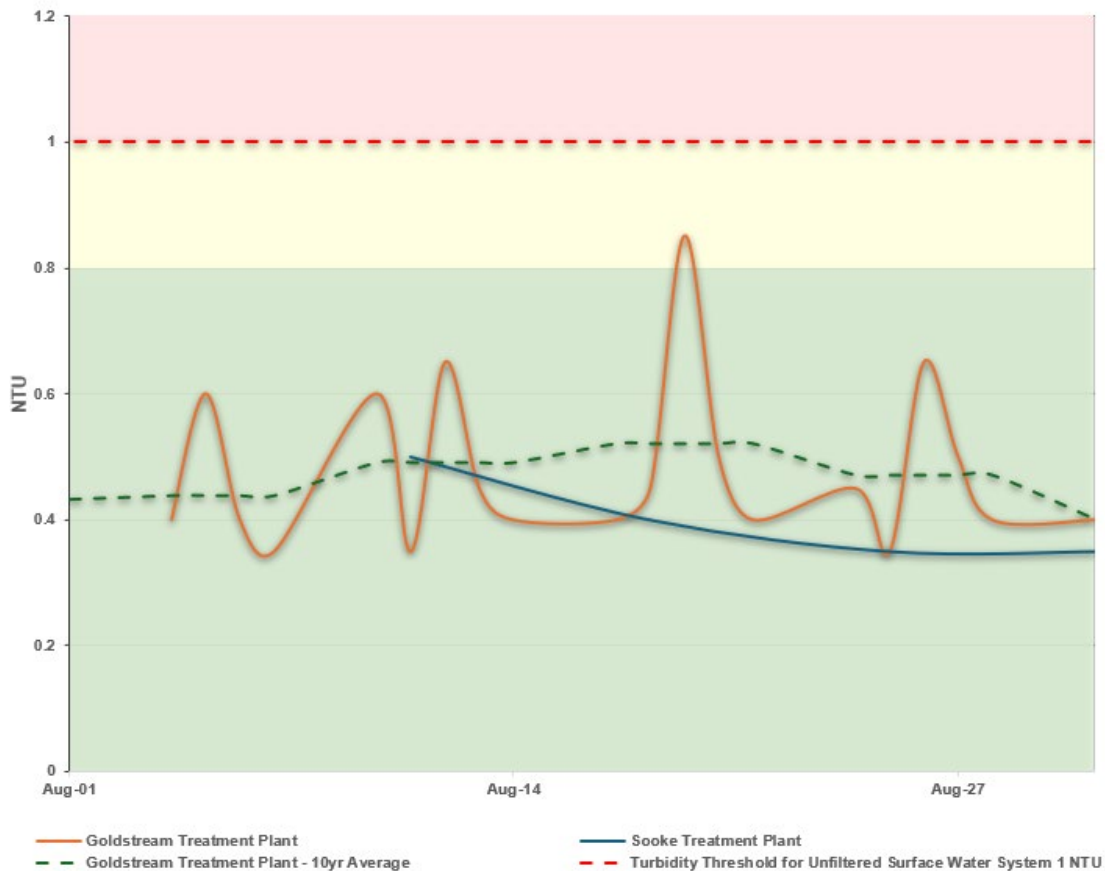
The following graph shows the daily measured total chlorine and monochloramine concentrations at the first treated water sampling stations downstream of the two CRD water treatment plants.



In August 2026, both plants consistently met the target total chlorine concentration of 1.5 mg/L and their respective monochloramine targets, which are important indicators and prerequisites for maintaining effective secondary disinfection in the distribution systems.

3. Raw Water Turbidity | Goldstream Treatment Plant and Sooke Treatment Plant

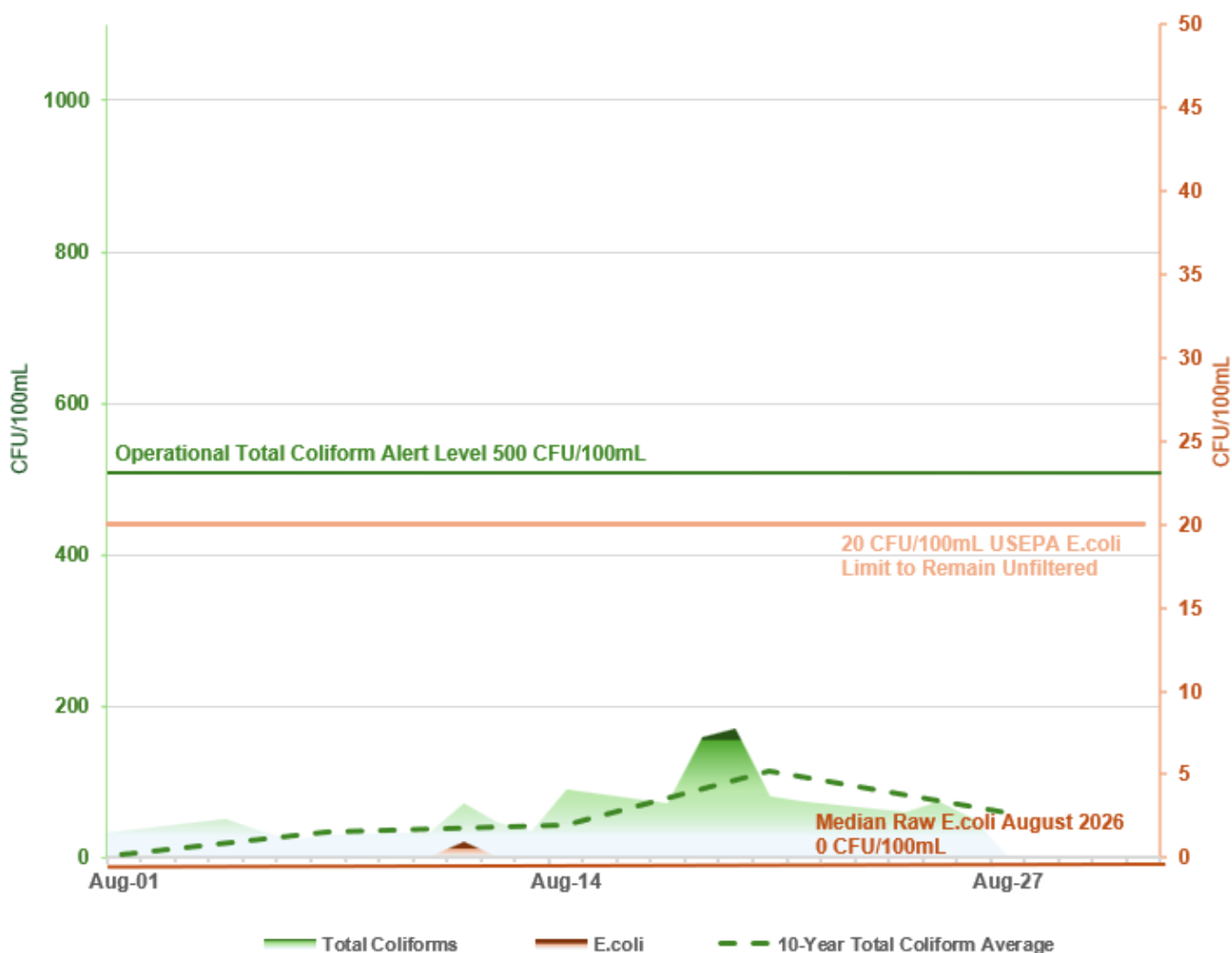
The following graph shows the raw water turbidity measured at both water treatment plants.



The GVDWS, an unfiltered surface water system, must consistently achieve turbidity levels under 1 NTU to meet regulatory standards. Turbidity levels at both treatment plants were consistently within compliance. Short-term minor turbidity spikes were recorded every Wednesday morning at the Goldstream Treatment Plant due to peak flows and watering demands (Aug. 5, 12, 19, 26).

4. Raw Water Biological Parameters | Total Coliforms and E. coli at Goldstream Treatment Plant

The following depicts the concentrations of key bacteria in the raw water.



Overall, the concentrations of total coliform and E.coli bacteria in the raw water remained below the B.C. Ministry of Health and USEPA limit for unfiltered surface water systems. Although total coliform concentrations exceeded 100 CFU/100 mL on two days (August 19 and 20), this threshold is evaluated as a secondary bacteriological criterion based on the 90th percentile of results over a six-month period for assessing surface water filtration requirements. The highest recorded raw water total coliform concentration during the month of August was 170 CFU/100mL. In general, indicator bacteria concentrations remained below typical seasonal levels in Sooke Lake Reservoir during August.