

Notice of Meeting and Meeting Agenda

Lyall Harbour Boot Cove Water Local Service Committee

Thursday, June 18, 2026

2:00 PM

Panorama Boardroom
1885 Forest Park Dr., North Saanich

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

Alternatively, to hear the meeting via telephone:

Call: 1-877-567-6843 and enter the Participant Conference ID: 952 875 638#

J. Crerar (Chair), C. Curwen (Vice Chair), P. Brent (EA Director), T. McLeod, J. Money

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. [26-0364](#) Minutes of the Lyall Harbour/Boot Cove Water Local Service Committee of February 19, 2026

Recommendation: That the minutes of the Lyall Harbour/Boot Cove Water Local Service Committee meeting of February 19, 2026 be adopted as circulated.

Attachments: [Minutes - February 19, 2026](#)

4. Chair's Remarks

5. Presentations/Delegations

5.1. Presentations

5.1.1. [26-0728](#) Presentation: Greg Kirkham, President, Old Point Farm; Re: Connection to the Lyall Harbour/Boot Cove Water Service

Attachments: [Presentation: Connection to the Lyall Harbour/Boot Cove Water Service](#)

5.2. 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 Committee at LegServ@crd.bc.ca.

6. Commission Business

6.1. [26-0729](#) Senior Manager's Verbal Update - June 2026

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

6.2. [26-0712](#) Capital Projects and Operational Update - Mid Year

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

Attachments: [Staff Report: Capital Projects and Operational Update - Mid Year](#)

6.3. [26-0711](#) 2025 Annual Report

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

Attachments: [Staff Report: 2025 Annual Report - Cover Report](#)
[Appendix A: 2025 Annual Report](#)
[Appendix B: 2025 Statement of Operations and Reserve Balances](#)

7. Notice(s) of Motion

8. New Business

9. Adjournment

The next meeting is November 5, 2026.

Meeting Minutes

Lyall Harbour Boot Cove Water Local Service Committee

Thursday, February 19, 2026

2:00 PM

Goldstream Conference Room
479 Island Hwy
Victoria BC V9B 1H7

PRESENT

J. Crerar (Chair), C. Curwen (Vice Chair), P. Brent (EA Director), J. Money, T. McLeod (2:14 pm) (EP)

Staff: J. Starke, Senior Manager, Southern Gulf Islands Administration; D. Robson, Manager, Saanich Peninsula Gulf Island Operations; M. Miklea, Manager, Legislative Services/Deputy Corporate Officer (EP); M. MacDonald, Legislative Services Coordinator (Recorder)

EP - Electronic Participation

The meeting was called to order at 2:00 pm.

1. Territorial Acknowledgement

J. Starke provided a Territorial Acknowledgement.

2. Election of Chair

J. Starke called for nominations for the position of Chair of the Lyall Harbour/Boot Cove Water Local Service Committee for 2026.

P. Brent nominated J. Crerar. J. Crerar accepted the nomination.

J. Starke called for nominations a second.

J. Starke called for nominations a third and final time.

Hearing no further nominations, J. Starke declared Jeanne Crerar the Chair of the Lyall Harbour/Boot Cove Water Local Service Committee for 2026 by acclamation.

3. Election of Vice Chair

Chair Crerar called for nominations for the position of Vice Chair of the Lyall Harbour/Boot Cove Water Local Service Committee for 2026.

P. Brent nominated C. Curwen. C. Curwen accepted the nomination.

Chair Crerar called for nominations a second.

Chair Crerar called for nominations and third and final time.

Hearing no further nominations, Chair Crerar declared Colin Curwen the Vice Chair of the Lyall Harbour/Boot Cove Water Local Service Committee for 2026 by acclamation.

4. Approval of Agenda

MOVED by J. Money, SECONDED by P. Brent,
That the agenda of the Lyall Harbour/Boot Cove Water Local Service Committee
meeting of February 19, 2026 be amended to add Item 10.1 Water Pressure, Item
10.2. Timing of New Well, Item 10.3. Status of Dam Engineering, and that the
agenda be approved as amended.
CARRIED

5. Adoption of Minutes

- 5.1. [26-0184](#) Minutes of the Lyall Harbour/Boot Cove Water Local Service Committee of November 13, 2025

MOVED by J. Money, SECONDED by C. Curwen,
That the minutes of the Lyall Harour/Boot Cove Water Local Service Committee
meeting of November 13, 2025 be adopted as circulated.
CARRIED

6. Chair's Remarks

There were no Chair's remarks.

7. Presentations/Delegations

There were no presentations or delegations.

8. Commission Business

8.1. [26-0185](#) Senior Manager's Verbal Update - February

J. Starke and D. Robson presented on Item 8.1. and noted that the transition between Infrastructure and Water Services (IWS) to Electoral Area Services has begun and a new operations manager will be directly involved with the committee.

T. McLeod joined the meeting at 2:14 pm.

Discussion ensued on the management of dam improvements and involvement of IWS in capital projects.

8.2. [26-0186](#) Committee Orientation

J. Starke presented Item 8.2. for information.

Discussion ensued on the following:

- open meeting and transparency
- relationship between parcels and single family connections
- backup operations processes, involved costs and location on the Peninsula
- island operator, maintenance processes and work safe regulations
- preliminary versus final budget and budgeting timelines
- turbidity meter pilot program, assessment and collaborations with University of Victoria

9. Notice(s) of Motion

There were no notice(s) of motion.

10. New Business

10.1. Water Pressure

J. Money spoke to Item 10.1.

Discussion ensued on pressure regulating stations, pressure values and zones and hydraulic grade lines located within the system.

10.2. Timing of New Well

P. Brent spoke to Item 10.2.

Discussion ensued on capital project funding approval timeline, deployed well monitoring device data collection and future discussions regarding approval from Inspector of Municipalities on loan authorization.

10.3. Status of Dam Engineering

P. Brent spoke to Item 10.3.

Discussion ensued on collaboration with local contractors, procurement and request for proposal policies and procedures, and capital projects action planning updates.

11. Adjournment

**MOVED by Brent, SECONDED by Crerar,
That the Lyall Harbour/Boot Cove Water Local Service Committee meeting of
February 19, 2026 be adjourned at 3:51 pm.
CARRIED**

CHAIR

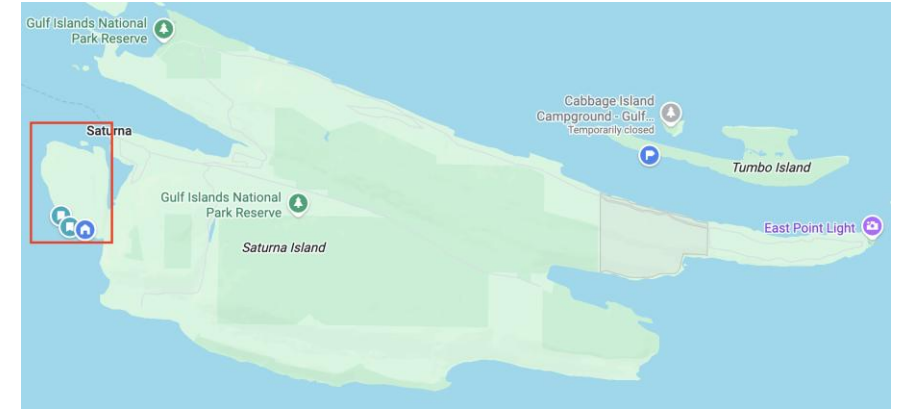
RECORDER

Old Point Farm

Request for connection to the Lyall Harbour Boot Cove Water System
on Saturna Island

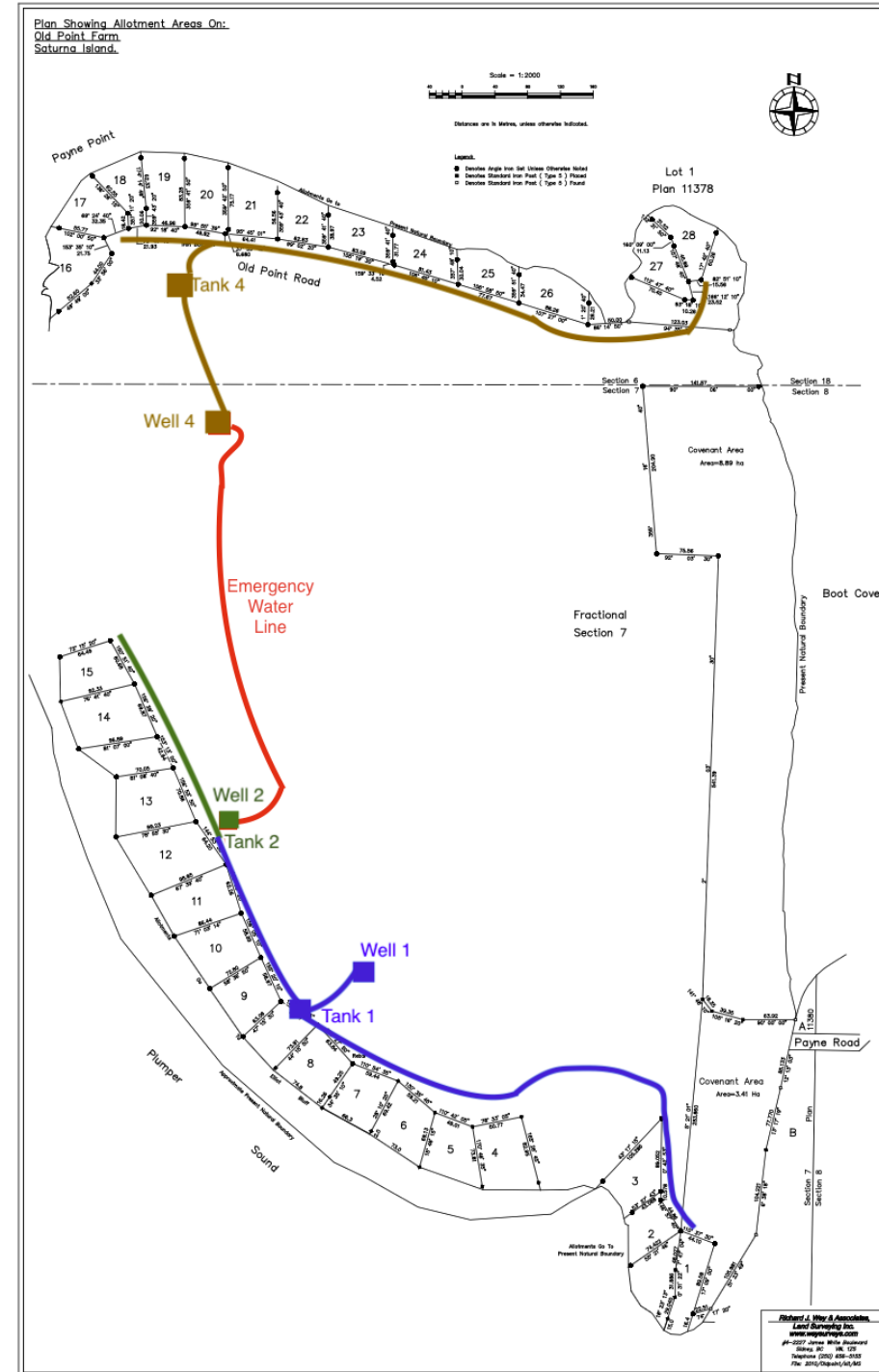
Old Point Farm - Overview

- 280 acres, 28 properties, 24 homes, 4 full-time residences
- All OPF property is a single title owned by Old Point Farm Ltd.
- Each property is a shareholder in OPF and co-owns the company, with exclusive ownership of their buildings. Essentially like a strata property.
- Currently sourcing water from 3 wells
- The Lyall Harbour Boot Cove system terminates 10 feet from our property line at the end of Payne Road



Background

- We have a water operator and permits from VIHA to operate our two systems
- Total usage in 2025 was 310,000 gallons
- No outdoor use of well water is currently permitted at OPF
- We recently drilled 2 wells to expand water capacity and ended up with 2 dry wells.
- Before continuing our drilling program, we want to explore other options
- If connecting to the community water system is not deemed to be feasible, we will likely return to drilling
- The CRD system would supplement the existing well water, not be the exclusive source, unless that's what the board prefers.



Questions & Next Steps

- Would water access simply be brought to the property line or would the OPF system become part of the CRD system?
- What is the process for application and approval?
- If approved, we would investigate the feasibility of pumping up to the OPF tanks
(200-250ft elevation & 1500-200ft lateral move from connection)
- Questions about the Old Point Farm water system or this request?

**REPORT TO LYALL HARBOUR BOOT COVE WATER LOCAL SERVICE COMMITTEE
MEETING OF JUNE 18, 2026**

SUBJECT Capital Projects and Operational Update – Mid Year

ISSUE SUMMARY

To provide the Lyall Harbour/Boot Cove (LHBC) Water Local Service Committee with capital project status reports and operational updates.

BACKGROUND

The LHBC Water System is located on the west side of Saturna Island in the Southern Gulf Islands Electoral Area and provides drinking water to approximately 166 single family equivalents. Capital Regional District (CRD) Infrastructure and Water Services is responsible for the overall operation of the water system with day-to-day operation, maintenance, design, and construction of water system facilities provided by the CRD Infrastructure Planning and Engineering, and Infrastructure Water Operations divisions. The quality of drinking water provided to customers in the LH/BC Water System is overseen by the CRD Water Quality division.

CAPITAL PROJECT UPDATE

Multiple necessary projects, including dam improvements and a ground water well suitability study, are deemed essential for the water service but Capital Reserves were insufficient to cover the capital costs. An Alternative Approval (Petition) Process was conducted in 2025 to seek loan authorization and approval to utilize debt to fund necessary capital upgrades for the water service.

- CRD re-engaged Thurber Engineering and a Civil Engineering sub-consultant to further progress updating the design, quantities, and cost estimate for the dam improvements project (22-02) to better inform debt funding requirements for a single petition in 2025.
- A petition process was undertaken in the second and third quarter (Q2/Q3) of 2025 and was successful. The maximum debt authorized is \$2,000,000.
- The Loan Authorization Bylaw was approved by the Province in late April 2026 and by the CRD Board in May 2026. Staff are proceeding with debt funded works in 2026, as follows:

Debt Funded Projects:

Project Number	Capital Project Title
19-01	Air Valve Replacement – Phase 2
19-03	Standpipe and Valve Replacement
19-05	Autoflush Installation
20-02	Raw Water Turbidity Meter
22-01	Install Larger Supply Line to Tank
22-02	Dam Improvement and Regulatory Requirements
25-01	New Groundwater Well Assessment
27-01	Groundwater Well Improvements
26-01	Storage Tank Condition Assessment and Repair Details

22-02 | Dam Improvements & Regulatory Requirements

Total Project Budget: \$890,000

Project Description: Seismic reinforcement of Money Lake Dam based upon the 2011 Dam Safety Review (DSR), subsequent site investigations, and seismic assessment. Includes seepage pit construction and 2022 Dam Safety Review Audit.

Project Rationale: This is a continuation of project 18-03 for seismic reinforcement of the Money Lake Dam. Funds are required to retain a contractor to undertake the works and retain a consultant to conduct the dam safety review.

Project Update and Milestones: Design work for the filter blanket and pipe upgrades has progressed over the reporting period in support of obtaining the required permits from provincial regulators for the proposed work.

Permitting is anticipated to be completed in Q3 2026. Construction activities are planned for Q3 2027, aligned with seasonal low reservoir levels to facilitate safe and efficient implementation of the works.

Milestone	Completion Date
Community Works Funds Approval	October 10, 2021
Consultant Contract Award	July 27, 2022
Consultant field investigation	August 31, 2022
Draft Dam Safety Review submission and CRD review meeting	January 27, 2023
Dam Safety Review Report - Final	March 15, 2023
Toe Filter Design Memo	March 27, 2023
Seismic Stability Assessment	April 21, 2023
Growing Communities Fund Grant Application – Not Approved	September 13, 2023
Action Planning Memo to address DSR items presented to Commission	June 27, 2024
50% design submission for filter blanket and pipe upgrades submitted for review	Q1 2025
Petition for loan authorization	Q3 2025
Grant application of \$375 000 to the Disaster Resilience and Innovation Funding (DRIF) for replacement of the filter blanket at Money Lake Dam No. 1	Q2 2026 (Approval pending)
Loan Authorization Bylaw Approved	Q2 2026
90% design submission for filter blanket and pipe upgrades, along with Draft Interim Dam Safety Risk Management Plan, Draft Project-Specific Risk Assessment and Draft Instrumentation Record.	Q2 2026
Receive permits from Provincial Dam Safety Office to undertake filter blanket and pipe upgrade work.	Q3 2026 (Forecasted)
Planned construction activities when reservoir levels are naturally drawn down to seasonal lows.	Q3 2027 (Forecasted)

24-01 | Culvert Replacement for the Water Service

Total Project Budget: \$30, 000

Project Description: The Ministry of Transportation and Transit (MoTT) is undertaking culvert replacement work on Harris Road. As part of this coordinated effort, the Capital Regional District (CRD) is providing a financial contribution toward a portion of the culvert installation related to water service infrastructure.

Project Rationale: Installation of a new 1400 mm culvert was required to support adequate drainage conveyance across Harris Road and ensure long-term infrastructure reliability.

Project Update and Milestones: The majority of construction was completed by MoTT in January 2026. Remaining minor works are anticipated to be finalized later in 2026.

25-01 | New Ground Water Well Assessment

Total Project Budget: \$100, 000

Project Description: Complete a groundwater well assessment for an existing well that could potentially be used to supplement the water service. This project will conduct groundwater quality and quantity testing to help support future decision making.

Project Rationale: CRD have recently entered into an agreement that could permit use of an existing water well on private property. This assessment is justified by the potential this source could have in supplementing the existing water supply and to compare its water quality and quantity to the surface water source.

Project Update and Milestones: Loan authorization is in place to support spending on this project. CRD staff pre-emptively obtained a quote for the hydrogeological assessment work and will draft a contract that can now be executed. Testing scheduled for Fall of 2026.

26-01 | Storage Tank Condition Assessment and Repair Details

Total Project Budget: \$100, 000

Project Description: Assessment of existing leaks in the storage tank and development of a repair design to address identified deficiencies.

Project Rationale: Previous repair efforts have not resolved the ongoing leaks. A comprehensive condition assessment is required to better understand the underlying issues and inform a durable, long-term repair solution.

Project Update and Milestones: Loan authorization is in place. Detailed assessment and repair work can now proceed.

OPERATIONAL UPDATE

This is an operational update for the reporting period January through May 2026.

- Assistance with the Harris Road culvert replacement. Existing water lines required adjusting to accommodate the new culvert.
- Emergency repairs of the UV unit A. The UV sensor failed, requiring replacement.
- Corrective maintenance Narvaeze Pressure Control Station. Nonfunctioning isolation valves required replacement.
- Emergency response to a high turbidity alarm at the water treatment plant. The high turbidity incident was a short duration event requiring water treatment plant shut down overnight. This turbidity event coincided with a wet weather storm that impacted raw water quality.
- Preventative maintenance completed on the raw water supply system included the cleaning of the raw water surge tank in preparation for the increased summer flows.
- Continued response and effort during this reporting period related to leak detection due to high daily water production. Several properties were identified as having leaks. Water was turned off and residents were notified.
- On island operator continued to monitor the leaking water storage tank as part of ongoing weekly standing maintenance. The leak has not increased since first identified over a year ago.

RECOMMENDATION

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

Submitted by:	Justine Starke, RPP, MCIP, Senior Manager, Southern Gulf Islands Electoral Area
Concurrence:	Stephen Henderson, MBA, P.G.Dip.Eng, B.Sc., General Manager, Electoral Area Services

**REPORT TO LYALL HARBOUR BOOT COVE WATER LOCAL SERVICE COMMITTEE
MEETING OF THURSDAY, JUNE 18, 2026**

SUBJECT **2025 Annual Report - Cover Report**

ISSUE SUMMARY

Per the *Drinking Water Protection Act*, a water supplier must prepare and make public, within six months of the end of the calendar year, an annual report. The Annual Report provides a summary of the Lyall Harbour/Boot Cove Water Service for 2025.

BACKGROUND

The Lyall Harbour/Boot Cove Water System is located on the west side of Saturna Island in the Southern Gulf Islands Electoral Area and provides drinking water to approximately 169 single family equivalents. Capital Regional District (CRD) is responsible for the operation and maintenance of the system and the overall quality of the drinking water provided to customers in the Lyall Harbour/Boot Cove Water System.

RECOMMENDATION

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

Submitted by:	Justine Starke, RPP, MCIP, Senior Manager, Southern Gulf Islands Electoral Area
Concurrence:	Alicia Fraser, P. Eng., General Manager, Infrastructure and Water Services
Concurrence:	Luisa Jones, MBA, General Manager, Parks, Recreation & Environmental Services
Concurrence:	Varinia Somosan, CPA, CGA, Acting Chief Financial Officer & General Manager, Finance & Technology
Concurrence:	Stephen Henderson, General Manager, Electoral Area Services

ATTACHMENT(S)

Appendix A: 2025 Annual Report

Appendix B: 2025 Statement of Operations and Reserve Balances

Lyall Harbour/Boot Cove Water Service

2025 Annual Report



Introduction

This report provides a summary of the Lyall Harbour/Boot Cove Water Service for 2025 and includes a description of the service, summary of the water supply, demand and production, drinking water quality, operations highlights, capital project updates and a financial report.

Service Description

The community of Lyall Harbour/Boot Cove is primarily a rural residential development that includes some commercial properties located on Saturna Island in the Southern Gulf Islands Electoral Area. The community was originally serviced by a private water utility, and in 1978 the water system was converted to be a local service under the Capital Regional District (CRD). The Lyall Harbour/Boot Cove water service is made up of 174 parcels (Figure 1) encompassing a total area of approximately 100 hectares. Of the 174 parcels, 158 properties (169 Single Family Equivalent's) are connected to the water system.

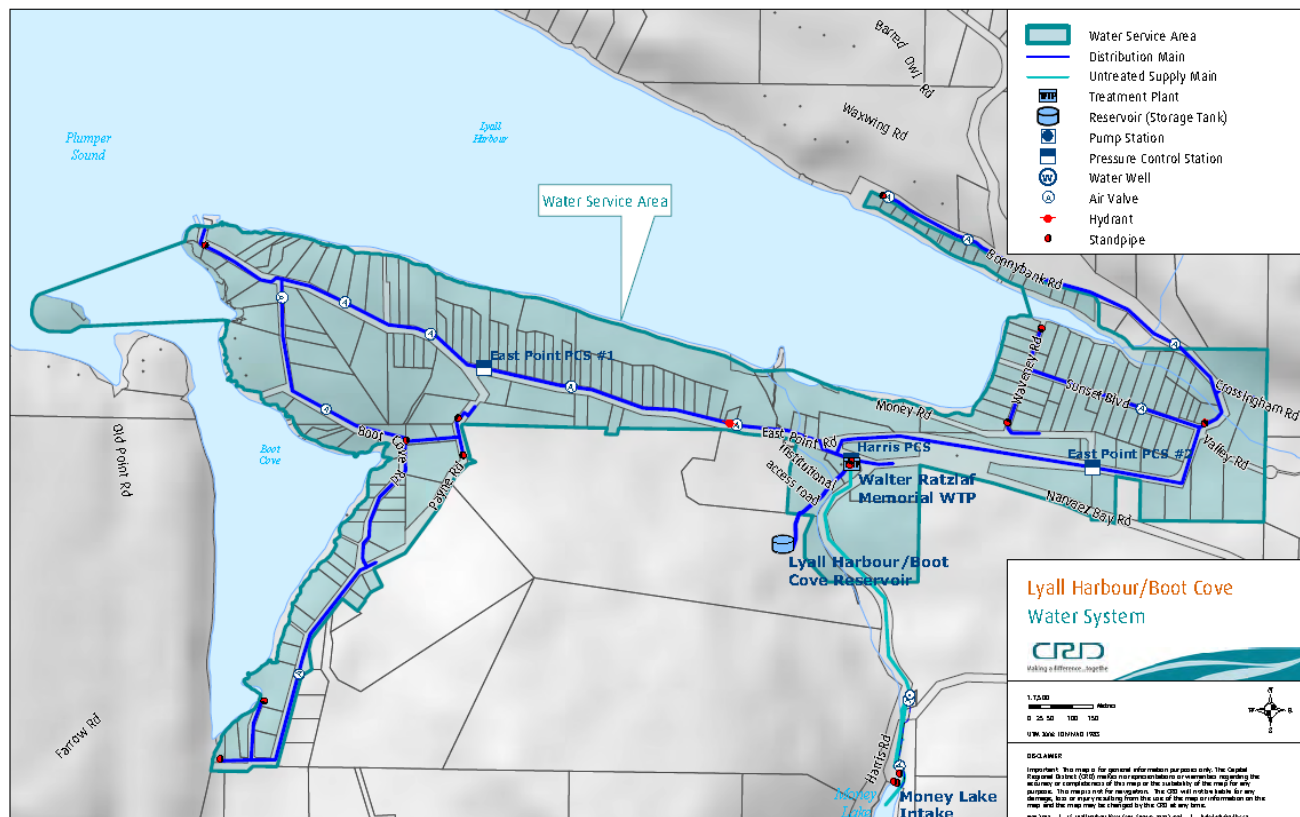


Figure 1: Map of Lyall Harbour/Boot Cove Water System

The Lyall Harbour/Boot Cove water system is primarily comprised of:

- Two raw water sources:
 - Money Lake, a small, impounded, surface water body that lies within a 94-hectare (230 acre) watershed on private and public lands.
 - Ground water spring (seepage pit) located near the base of Money Lake Dam.
- One earthen dam structure, Money Lake Dam No. 1.
- Treatment equipment including ozonation (currently offline), two stages of filtration (granular and absorption), ultraviolet light disinfection and chlorine disinfection.
- One steel storage tank (total volume 136 cubic metres or 36,000 US gallons).
- Supervisory Control and Data Acquisition (SCADA) system.
- Distribution system and supply pipe network (8,390 metres of water mains).
- Other water system assets: water service connections and metres, three pressure reducing valve stations, 50 gate valves, 12 standpipes and a small auxiliary generator.

Water Supply

Referring to Figure 2 below, Money Lake monthly water levels are highlighted for 2025. It is important to note that water supply levels in Money Lake, prior to 2008, were historically lower during the summer period. An upgrade to mitigate the low water levels involved the installation of a groundwater seepage spring recirculation pumping system. Excess water from the seepage spring is pumped back to Money Lake to keep the Lake as full as possible. The groundwater seepage spring water level is not monitored; however, the seepage spring weekly flow rate is monitored to confirm production rate. The seepage spring typically provides 100% of the winter water system demand for the community. Money Lake water is used periodically to supplement seepage spring flows and is typically the primary source during the summer dry period.

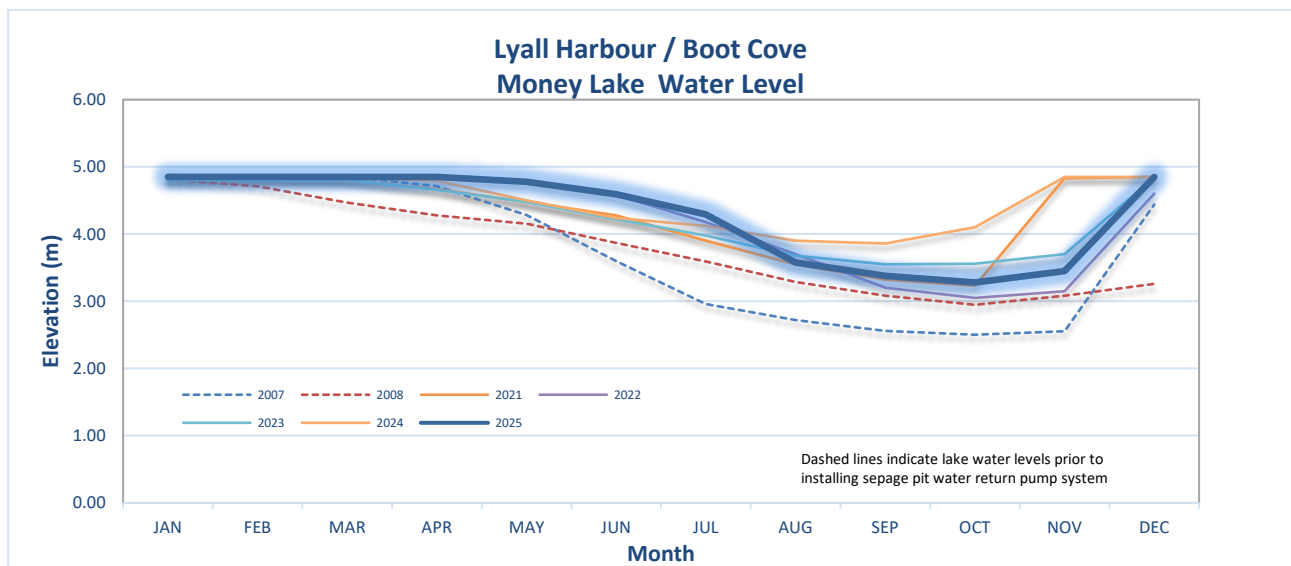


Figure 2: Money Lake Monthly Water Level

Water Production and Demand

Referring to Figure 3, 24,331 cubic metres of water was extracted (water production) from the seepage spring and Money Lake Reservoir in 2025; a 4% decrease from the previous year and a 4% decrease from the five-year average. Water demand (customer water billing) for the service totaled 18,120 cubic metres of water; 2% increase from the previous year and a 9% decrease from the five-year average.

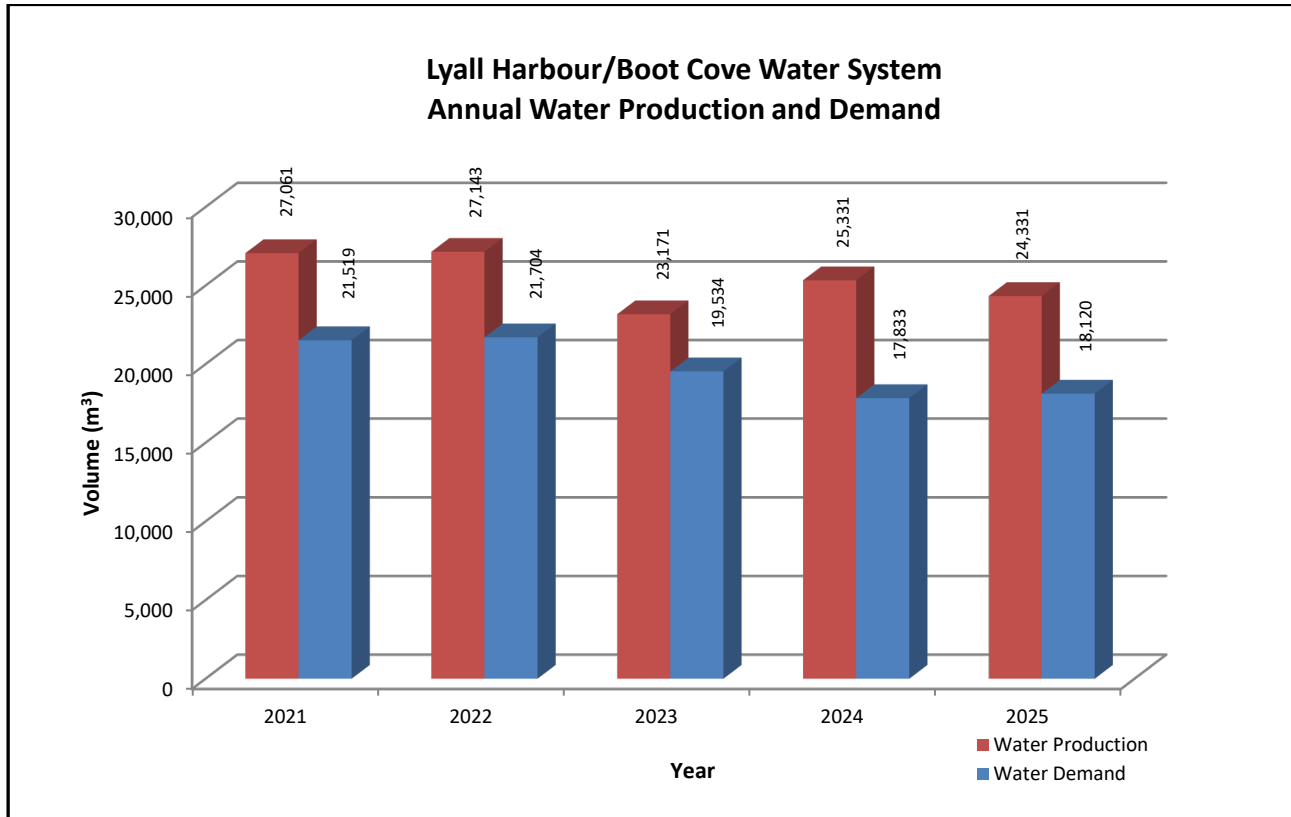


Figure 3: Lyll Harbour/Boot Cove Water System Annual Water Production and Demand

The difference between annual water production and annual customer demand is referred to as non-revenue water and can include water system leaks, water system maintenance and operational use (e.g. water main flushing, filter system backwashing), potential unauthorized use, and fire-fighting use.

The 2025 non-revenue water (6,211 cubic metres) represents about 26% of the total water production for the service area. However, almost 13% of the total water can be attributed to operational use, which includes water main flushing to keep chlorine residuals at acceptable levels at the extremities of the water system, and water treatment filtration system backwashing activities. Therefore, the non-revenue water associated with system losses is approximately 13%. Although this is considered acceptable for small water systems, this is an increase from previous years and is likely the result of water system leaks of which the leaking water tank is a contributor. Tank leak repairs are planned for 2026 .

Figure 4 illustrates the monthly water production for 2025 along with the historical water production information. The monthly water production trends are typical for small water systems such as the Lyll Harbour/Boot Cove water system.

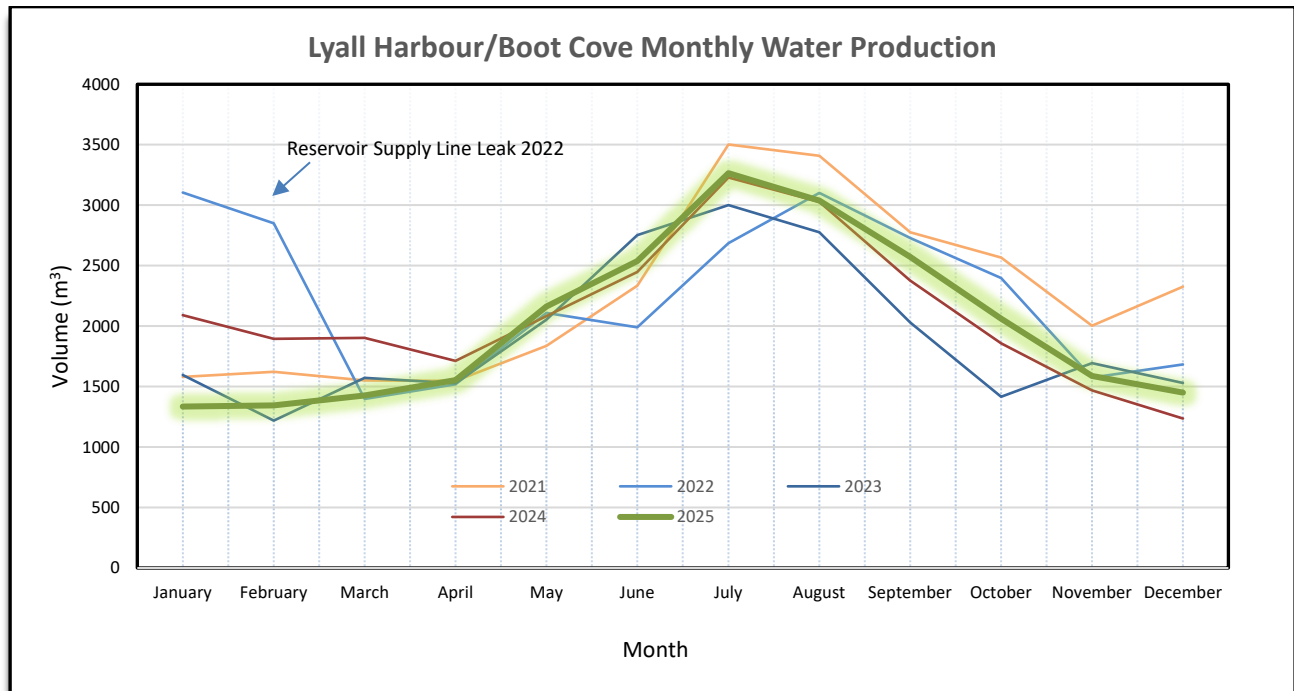


Figure 4: Lyll Harbour/Boot Cove Water Service Monthly Water Production

Drinking Water Quality

The Lyll Harbour/Boot Cove Water System continued to rely primarily on seepage water collected below the Money Lake dam, with seasonal supplementation from Money Lake during the summer and early fall. There is sufficient evidence to conclude that the seepage water is hydraulically connected to the lake source. As in previous years, the raw water quality reflected the influence of warm-season biological activity in the lake and the natural geochemistry of the watershed.

The system did not experience any boil water advisories in 2025, and treated water remained bacteriologically safe throughout the year. Warm-season conditions again produced elevated raw water temperatures and increased biological activity in Money Lake, but these did not translate into health-related risks in the treated water.

Between mid-July and late November, Money Lake experienced cyanobacteria blooms. Multiple cyanotoxin tests did not detect microcystin toxins in the raw water during these events, and the blooms did not pose a public health risk through the drinking water supplied.

The annual average concentration for both regulated disinfection by-products, Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA), remained below the maximum acceptable concentration (MAC) in the Guidelines for Canadian Drinking Water Quality (GCDWQ).

The data below provides a summary of the water quality characteristics in 2025:

Raw Water:

- The raw water exhibited low total coliform concentrations during the winter and spring, with much higher levels during the summer and early fall when lake water was the primary source and water temperatures were elevated. Peak total coliform concentrations were recorded in June at 1,400 CFU/100 ml. This pattern is consistent with historical data. Throughout most of the year,

the raw water entering the treatment plant contained either no *E. coli*, or only very low concentrations.

- Money Lake experienced almost continuous cyanobacteria blooms from mid-July to the end of November. There were two distinct blooms of different species: the first from July 16 to August 15, and the second from September 3 to November 21. No microcystin toxins were detected throughout these events.
- The raw water turbidity ranged from 0.75 to 25.7 NTU. The highest raw water turbidity period was recorded during a strong cyanobacteria bloom in October/November. The median annual raw water turbidity was 1.2 NTU.
- No *Giardia* cysts were detected in the two sample sets collected in 2025. One sample contained a very low concentration of *Cryptosporidium* oocysts. The UV treatment system operated continuously throughout the year and is designed to inactivate these parasitic microorganisms in the raw water.
- The raw water had naturally elevated concentrations of iron and manganese. Iron levels were consistently elevated throughout the year, while manganese levels were higher during the spring and fall. The lake turnover event in Money Lake, which occurs each November, typically produces the highest concentrations of both metals, often exceeding the aesthetic objectives of the Guidelines for Canadian Drinking Water Quality (GCDWQ). In 2025, iron concentrations reached up to 499 µg/L and manganese up to 49 µg/L.
- The raw water was slightly hard (median hardness 40.1 mg/L CaCO₃).
- The natural total organic carbon (TOC) in the source water was moderately high (median 5.1 mg/L).
- The raw water had high colour, exceeding the aesthetic objective in the GCDWQ during the fall and winter months.

Treated Water:

- The treated water was bacteriologically safe to drink throughout the year. No treated water sample from the distribution system tested positive for *E. coli*. One distribution sample collected on October 1 tested positive for total coliform bacteria. A resample from the same location did not confirm an actual drinking water contamination.
- Treated water turbidity leaving the plant remained consistently below 1 NTU throughout the year, and for the first time in many years no Boil Water Advisory were issued to the community. The cause of this improvement is not fully understood, but staff noted that better lake water quality and the new filter media likely contributed to enhanced treatment performance. Only one distribution system sample showed slightly elevated turbidity in 2025, likely due to sediment accumulation at the end of the system. Overall, this represents a significant improvement over previous years.
- The treated water TOC was periodically high within a range from 2.1 to 5.1 mg/L. The annual mean was 4.4 mg/L. There is currently no guideline in the GCDWQ for TOC levels, however TOC levels > 2 mg/L indicate a potential for disinfection by-product exceedances. TOC levels > 4 mg/L are usually a precursor for high disinfection by-product concentrations.
- The disinfection by-product (DBP) concentrations that result from the chlorination optimization process remained below the GCDWQ health limits. The annual average TTHM and HAA concentrations were 95.3 µg/L and 64.8 µg/L respectively, and therefore below the MAC (100 µg/L and 80 µg/L respectively).
- Iron concentrations in exceedance of the aesthetic objective were only found in distribution system samples from November. This was a result of high iron concentrations in the raw water and the lack of adequate treatment for metals. Manganese concentrations, while elevated in the

raw water, were consistently low in the treated water. Elevated iron concentrations are not a health concern but can lead to discolouration of the drinking water which can be a nuisance for the customers.

- The treated water had colour concentrations above the aesthetic objective throughout the fall.
- The annual median pH of the treated water was 5.9. This is well below the Health Canada recommended range of 7 - 10.5. Drinking water with low pH can cause corrosion issues on metallic pipes and fittings and potentially leach toxic metals such as lead into the drinking water. Lead in drinking water is typically not found in samples from distribution systems but in samples from building taps and faucets.
- The free chlorine residual concentrations ranged from 0.04 to 5.5 mg/L with a median of 0.78 mg/L in the distribution system indicating satisfactory secondary disinfection.

Table 1 and 2 below provide a summary of the 2025 raw and treated water test results.

Water quality data collected from this drinking water system can be also reviewed on the CRD website:

<https://www.crd.bc.ca/about/data/drinking-water-quality-reports>

Operational Highlights

The following is a summary of the major operational issues that were addressed by staff:

- Preventative maintenance completed on the raw water seepage pit infrastructure. Debris and silt were cleared and removed to optimize the infiltrator operation and seepage pit performance.
- Corrective maintenance completed on the raw water recirculation pump and reinstalled for operation during the dry weather period.
- Installed well level data logger equipment in the newly acquired well to collect critical water level data and inform pending ground water well assessment capital work.
- Continued response and effort during this reporting period related to leak detection due to high daily water production. Several properties were identified as having leaks. Water was turned off and residents were notified.
- Leak repair completed on Waveney Road.
- Corrective maintenance performed on the leaking water tank. A leak repair procedure was provided by the tank manufacturer. Unfortunately, this work was unsuccessful, and the tank continues to leak. Further work is pending to address this issue.
- Completed the replacement of the water treatment filtration media during this reporting period. Ongoing filtration process optimization continues with good results currently being observed.
- Preventative maintenance completed on the raw water surge tank. This critical maintenance includes the draining and removal of silt in preparation for the fall and winter operations of the utility to reduce the risk of turbidity excursions.
- Routine drinking water system inspection was conducted of the LH/BC water system on September 17. The inspection was coordinated with an Environmental Health Officer and supported by Infrastructure Water Operations.
- Chlorine chemical metering, feed pump troubleshooting, and corrective maintenance completed.
- Emergency response to several power outages required the deployment of the backup generator at the water treatment plant.

- Water treatment plant pressure regulating, and flow control valve troubleshooting and corrective maintenance.
- Removal of a hazardous tree near the East Point Pressure Regulating Station to address risks to the water system.
- Replacement of the water treatment plant filtration media completed. Filtration media is inspected annually and typically replaced approximately every five years, subject to inspections.

Capital Project Updates

The Capital Projects that were in progress or completed in 2024 included:

1. Petition Process – CRD conducted a petition process to obtain consent to secure borrowing for critical capital projects for the service. The petition was successful and loan authorization has been approved to allow required spending.
2. Dam Improvements – As noted above, debt funding is required to proceed with the required dam improvements. The petition was successful, and loan authorization was approved by the community in September 2025. The Province approved the results, and the CRD Board subsequently approved the bylaw to authorize the loan in May 2026. While waiting for the loan authorization process to complete, CRD was able to utilize remaining funds to advance design information and to initiate coordination with the Dam Safety Office, which will continue into 2026.

Financial Report

Please refer to the attached 2025 Statement of Operations and Reserve Balances.

Revenue includes parcel taxes (*Transfers from Government*), fixed user fees (*User Charges*), interest on savings (*Interest earnings*), transfer from *Operating Reserve Fund* and miscellaneous revenue such as late payment charges (*Other revenue*).

Expenses include all costs of providing the service. *General Government Services* include budget preparation, financial management, utility billing and risk management services. *CRD Labour and Operating Costs* include CRD staff time as well as the cost of equipment, tools, and vehicles. Debt servicing costs are interest and principal payments on long term debt. *Other Expenses* include all other costs to administer and operate the water system, including insurance, water testing and electricity.

The difference between *Revenue and Expenses* is reported as *Net revenue* (expenses). Any transfers to or from capital or reserve funds for the service (Transfers to own funds) are deducted from this amount and it is then added to any surplus or deficit carry forward from the prior year, yielding an *Accumulated Surplus* (or deficit). In alignment with *Local Government Act* Section 374 (11), any deficit must be carried forward and included in next year's financial plan.

For questions related to this Annual Report please email Justine Starke, Senior Manager, Southern Gulf Islands Electoral Area, jstarke@crd.bc.ca.

Table 1

Table 1: 2025 Summary of Raw Water Test Results, Lyall Harbour / Boot Cove Water System										
PARAMETER		2025 ANALYTICAL RESULTS				CANADIAN GUIDELINES	2015-2024 ANALYTICAL RESULTS			
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Minimum Maximum		≤ = Less than or equal to	Median	Samples Analyzed	Range Minimum Maximum	
ND means Not Detected by analytical method used										
Physical/Biological Parameters										
Carbon, Total Organic	mg/L as C	5.05	12	3.6	6		5.1	137	3.2	18
Colour, True	TCU	20.5	12	13	49		21	89	9	88
Hardness as CaCO ₃	mg/L	40.05	4	39.1	43.5	No Guideline Required	43	75	35.2	49.7
pH	pH units	5.5	2	5.4	5.6	7.0 - 10.5 AO	6.76	29	5.7	7.4
Turbidity, Field Tests	NTU	1.16	26	0.78	25.7		2.81	521	0.67	50.8
Turbidity, Grab Samples	NTU	1.2	12	0.75	4.4		1.9	144	0.2	20.3
Water Temperature	Degrees C	12.1	79	0.1	22.7	15°C AO	11	697	1	25.5
Metals										
Aluminum	ug/L as Al	35.45	4	11.1	47.2	2900 MAC / 100 OG	71.6	75	8.7	739
Antimony	ug/L as Sb	< 0.5	4	< 0.5	< 0.5	6 MAC	< 0.5	75	0.042	< 0.5
Arsenic	ug/L as As	0.34	4	0.28	0.44	10 MAC	0.39	75	0.22	1.06
Barium	ug/L as Ba	3.3	4	1.7	4.3	1000 MAC	3.1	75	1.47	40.4
Beryllium	ug/L as Be	< 0.1	4	< 0.1	< 0.1		< 0.1	75	< 0.01	< 0.1
Bismuth	ug/L as Bi	< 1	4	< 1	< 1		< 1	75	0.017	< 1
Boron	ug/L as B	< 50	4	< 50	< 50	5000 MAC	< 50	75	11	< 50
Cadmium	ug/L as Cd	< 0.01	4	< 0.01	< 0.01	7 MAC	< 0.01	75	< 0.01	0.094
Calcium	mg/L as Ca	10.5	4	10.1	10.7	No Guideline Required	10.7	75	9.17	13
Chromium	ug/L as Cr	< 1	4	< 1	< 1	50 MAC	< 1	75	0.15	< 1
Cobalt	ug/L as Co	< 0.2	4	< 0.2	< 0.2		< 0.2	75	0.022	1.38
Copper	ug/L as Cu	2.31	4	1.49	3.59	2000 MAC / ≤ 1000 AO	3.27	75	1.34	285
Iron	ug/L as Fe	183.5	4	120	499	≤ 100 AO	273	77	25.6	1960
Lead	ug/L as Pb	0.24	4	< 0.2	0.43	5 MAC	0.35	75	< 0.2	105
Lithium	ug/L as Li	< 2	4	< 2	< 2		< 2	47	< 2	20.1
Magnesium	mg/L as Mg	3.405	4	3.33	4.11	No Guideline Required	3.8	75	2.98	4.48
Manganese	ug/L as Mn	26.25	4	16.8	49	120 MAC / ≤ 20 AO	28.95	76	< 1	1370
Molybdenum	ug/L as Mo	< 1	4	< 1	< 1		< 1	75	0.065	< 1
Nickel	ug/L as Ni	< 1	4	< 1	< 1		< 1	75	0.353	4.7
Potassium	mg/L as K	0.5755	4	0.497	0.783		0.658	75	0.494	0.94
Selenium	ug/L as Se	< 0.1	4	< 0.1	< 0.1	50 MAC	< 0.1	75	< 0.04	0.11
Silicon	mg/L as Si	6935	4	6050	8280		7330	75	2750	10100
Silver	ug/L as Ag	< 0.02	4	< 0.02	< 0.02	No Guideline Required	< 0.02	75	< 0.005	0.028
Sodium	mg/L as Na	8.915	4	8.3	9.67	≤ 200 AO	9.01	75	7.77	13.2
Strontium	ug/L as Sr	94.95	4	85.2	103	7000 MAC	95.8	75	79.8	120
Sulfur	mg/L as S	< 3	4	< 3	< 3		< 3	75	< 3	6.1
Tin	ug/L as Sn	< 5	4	< 5	< 5		< 5	75	0.46	< 5
Titanium	ug/L as Ti	< 5	4	< 5	< 5		< 5	75	1.44	41.5
Thallium	ug/L as Tl	< 0.01	4	< 0.01	< 0.01		< 0.01	75	0.008	< 0.05
Uranium	ug/L as U	< 0.1	4	< 0.1	< 0.1	20 MAC	< 0.1	75	0.007	< 0.1
Vanadium	ug/L as V	< 5	4	< 5	< 5		< 5	75	0.5	< 5
Zinc	ug/L as Zn	5.65	4	< 5	6.8	≤ 5000 AO	8.7	75	< 5	258
Zirconium	ug/L as Zr	0.12	4	< 0.1	0.19		0.16	75	< 0.1	0.57
Microbial Parameters										
Indicator Bacteria										
Coliform, Total	CFU/100 mL	81	12	14	1400		114	136	< 1	9200
<i>E. coli</i>	CFU/100 mL	< 1	12	< 1	23		< 1	138	<1	29
Hetero. Plate Count, 35C (2 day)	CFU/1 mL	Not tested in 2025					2200	2	1100	3300
Parasites										
<i>Cryptosporidium</i> , Total oocysts	oocysts/100 L	<1	2	<1	1	Zero detection desirable	< 1	19	0.89	2.8
<i>Giardia</i> , Total cysts	cysts/100 L	<1	2	<1	<1	Zero detection desirable	< 1	19	< 1	< 1
Algal Toxins										
Microcystin	ug/L	< 1	16	< 1	< 1	1.5 ug/L MAC	<1	27	<1	<1

Table 2

Table 2: 2025 Summary of Treated Water Test Results, Lyall Harbour / Boot Cove Water System										
PARAMETER		2025 ANALYTICAL RESULTS				CANADIAN GUIDELINES	2015-2024 ANALYTICAL RESULTS			
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Min. Max.		≤ = Less than or equal to	Median	Samples Analyzed	Range Minimum Maximum	
ND means Not Detected by analytical method used										
Physical Parameters										
Carbon, Total Organic	mg/L as C	4.35	16	2.1	5.1		4.5	175	1.1	66.9
Colour, True	TCU	8	23	6	20		9	108	< 2	> 50
pH	No units	5.9	2	5.5	6.3	7.0 - 10.5 AO	6.705	26	5.9	8
Hardness	mg/L as CaCO3	44.2	8	43.3	49.3		43	79	37.2	50.1
Turbidity	NTU	0.5	23	0.2	1.1	1 MAC and ≤ 5 AO	0.9	235	0.15	5.3
Turbidity, Field Tests	NTU	0.63	9	0.32	0.85		0.87	471	0.06	4
Water Temperature	Degrees C	11.5	123	3.6	19.9	≤ 15 AO	11	2134	0	20.8
Microbial Parameters										
Indicator Bacteria										
Coliform, Total	CFU/100 mL	< 1	97	< 1	380	0 MAC	< 1	872	<1	460
<i>E. coli</i>	CFU/100 mL	< 1	97	< 1	< 1	0 MAC	< 1	874	<1	1
Hetero. Plate Count, 7 day	CFU/1 mL	6500	21	20	16000	No Guideline Required	1000	177	< 10	33000
Algal Toxins										
Algal Toxins										
Microcystin	ug/L		Not tested in 2025			1.5 ug/L MAC	<1	3	<1	<1
Disinfectants										
Disinfectants										
Chlorine, Free Residual	mg/L as Cl2	0.78	114	0.04	5.5	No Guideline Required	0.36	2115	0.01	8.8
Chlorine, Total Residual	mg/L as Cl₂	Not tested in 2025				No Guideline Required	0.52	1312	0.01	8.8
Disinfection By-Products										
Haloacetic Acids										
HAA5	ug/L	62	4	< 5	130	80 MAC	56	36	< 0.1	160
Trihalomethanes (THMs)										
Bromodichloromethane	ug/L	16	4	12	21		15	44	0.643	40.6
Bromoform	ug/L	< 1	4	< 1	< 1		< 1	44	< 0.1	< 1
Chloroform	ug/L	66.5	4	59	120		76	44	7.26	250
Chlorodibromomethane	ug/L	1.8	4	1.3	2.4		1.6	44	<0.1	31
Total Trihalomethanes	ug/L	84.5	4	72	140	100 MAC	96	44	7.9	280
Metals										
Aluminum	ug/L as Al	15.9	8	5	39.3	2900 MAC / 100 OG	16.5	79	4.2	138
Antimony	ug/L as Sb	< 0.5	8	< 0.5	< 0.5	6 MAC	< 0.5	79	0.035	< 50
Arsenic	ug/L as As	0.28	8	0.22	0.39	10 MAC	0.33	79	0.2	0.8
Barium	ug/L as Ba	3.1	8	2.2	4.9	1000 MAC	2.6	79	1.5	16.1
Beryllium	ug/L as Be	< 0.1	8	< 0.1	< 0.1		< 0.1	79	< 0.01	< 0.1
Bismuth	ug/L as Bi	< 1	8	< 1	< 1		< 1	79	0.005	< 1
Boron	ug/L as B	< 50	8	< 50	< 50	5000 MAC	< 50	79	13	53
Cadmium	ug/L as Cd	< 0.01	8	< 0.01	< 0.01	7 MAC	< 0.01	79	< 0.005	0.087
Calcium	mg/L as Ca	11.5	8	10.7	13.2	No Guideline Required	10.9	79	9.44	13.2
Chromium	ug/L as Cr	< 1	8	< 1	< 1	50 MAC	< 1	79	< 0.1	< 10
Cobalt	ug/L as Co	< 0.2	8	< 0.2	< 0.2		< 0.2	79	0.01	< 0.5
Copper	ug/L as Cu	28.65	8	12	51.4	2000 MAC / ≤ 1000 AO	31.7	79	2.14	595
Iron	ug/L as Fe	75.2	8	49.4	285	≤ 100 AO	118	81	28.8	1670
Lead	ug/L as Pb	0.795	8	0.42	1.72	5 MAC	1.34	79	< 0.2	25.8
Lithium	ug/L as Li	< 2	8	< 2	< 2		< 2	50	1.74	< 5
Magnesium	mg/L as Mg	3.86	8	3.58	4.12	No Guideline Required	3.76	79	3.2	4.53
Manganese	ug/L as Mn	3.55	8	< 1	11.9	120 MAC / ≤ 20 AO	2	81	< 1	26.3
Molybdenum	ug/L as Mo	< 1	8	< 1	< 1		< 1	79	0.076	< 1
Nickel	ug/L as Ni	< 1	8	< 1	< 1		1.1	79	0.288	80.9
Potassium	mg/L as K	0.606	8	0.49	0.804		0.662	79	0.479	0.956
Selenium	ug/L as Se	< 0.1	8	< 0.1	< 0.1	50 MAC	< 0.1	79	< 0.04	0.12
Silicon	mg/L as Si	7080	8	5790	8390		7220	79	2970	9090
Silver	ug/L as Ag	< 0.02	8	< 0.02	< 0.02	No Guideline Required	< 0.02	79	< 0.005	< 0.02
Sodium	mg/L as Na	12	8	10.2	14	≤ 200 AO	11.5	79	9.26	15.6
Strontium	ug/L as Sr	92.7	8	90.9	99.9	7000 MAC	96.2	79	80.5	121
Sulfur	mg/L as S	< 3	8	< 3	< 3		< 3	79	< 3	5.6
Tin	ug/L as Sn	< 5	8	< 5	< 5		< 5	79	< 0.2	47.8
Titanium	ug/L as Ti	< 5	8	< 5	< 5		< 5	79	0.79	9.3
Thallium	ug/L as Tl	< 0.01	8	< 0.01	< 0.01		< 0.01	79	< 0.002	< 0.05
Uranium	ug/L as U	< 0.1	8	< 0.1	< 0.1	20 MAC	< 0.1	79	0.008	< 0.1
Vanadium	ug/L as V	< 5	8	< 5	< 5		< 5	79	0.48	< 5
Zinc	ug/L as Zn	21	8	11.8	56.1	≤ 5000 AO	27.3	79	< 5	102
Zirconium	ug/L as Zr	< 0.1	8	< 0.1	0.18		0.12	79	< 0.1	0.66

CAPITAL REGIONAL DISTRICT

LYALL HARBOUR BOOT COVE WATER
Statement of Operations (Unaudited)
For the Year Ended December 31, 2025

	2025	2024
Revenue		
Transfers from government	147,829	140,696
User Charges	133,688	131,410
Other revenue from own sources:		
Transfer from Operating Reserve	16,500	3,500
MFA Debt Reserve Earning	7,708	4,107
Other revenue	1,167	1,216
Total Revenue	306,892	280,929
Expenses		
General government services	10,294	9,908
CRD Labour and Operating costs	196,389	177,992
Contract for Services	2,987	-
Debt Servicing Costs	10,312	29,059
Supplies	5,213	6,382
Other expenses	65,857	37,325
Total Expenses	291,052	260,666
Net revenue (expenses)	15,840	20,263
Transfers to own funds:		
Capital Reserve Fund	10,000	8,097
Operating Reserve Fund	5,840	12,166
Annual surplus/(deficit)	-	-
Accumulated surplus/(deficit), beginning of year	-	-
Accumulated surplus/(deficit), end of year	\$ -	-

CAPITAL REGIONAL DISTRICT

LYALL HARBOUR BOOT COVE WATER

Statement of Reserve Balances (Unaudited)

For the Year Ended December 31, 2025

	Capital Reserve	
	2025	2024
Beginning Balance	44,645	34,808
Transfer from Operating Budget	10,000	8,097
Transfer from Completed Capital Projects	13,853	-
Transfer to Capital Projects	(20,000)	-
Interest Income	1,689	1,740
Ending Balance	50,187	44,645

	Operating Reserve	
	2025	2024
Beginning Balance	15,576	6,497
Transfer from Operating Budget	5,840	12,166
Transfer to Operating Budget	(16,500)	(3,500)
Interest Income	722	413
Ending Balance	5,638	15,576