REGULAR MEETING OF TOWNSHIP COUNCIL AGENDA

Monday, July 7, 2025 at 1:30pm
Fraser River Presentation Theatre
4th Floor, 20338 – 65 Avenue, Langley, BC

ACKNOWLEDGEMENT OF THE TRADITIONAL TERRITORIES OF THE COAST SALISH PEOPLES

A. ADOPTION AND RECEIPT OF AGENDA ITEMS

1. Regular Council Meeting – July 7, 2025

That Council adopt the agenda and receive all agenda items of the Regular Council meeting held July 7, 2025.

B. ADOPTION OF MINUTES

1. Regular Council Meeting – June 23, 2025

That Council adopt the Minutes of the Regular Council meeting held June 23, 2025.

C. DELEGATIONS

1. Simrat Brar
File 0550-07

Request by Simrat Brar to appear before Council to discuss concerns regarding an open ditch within the municipal right-of-way.

2. Kelly Hasegawa
File 0550-07

Request by Kelly Hasegawa to appear before Council to discuss concerns regarding Vancouver Ready Mix.

C. DELEGATIONS

3. Chris Buss
0550-07

Request by Chris Buss to appear before Council to discuss concerns regarding Vancouver Ready Mix.

4. Barry Levy
0550-07

Request by Barry Levy to appear before Council to discuss concerns regarding Vancouver Ready Mix.

D. PRESENTATIONS

1. Vancouver Ready Mix

Presentation by Peter Fassbender, Corporate Ambassador BM Group International, regarding Vancouver Ready Mix.

Clerk's Note: Council approved the presentation at the June 23, 2025 Regular Council Meeting.

E. REPORTS TO COUNCIL

1. Appointment of Chief Election Officer
Report 25-108
File MA 4200-28-001

That Council select an individual from the list below, or an individual of Council's choosing, and appoint the individual as the Chief Election Officer for the upcoming Local Government By-Election:

- Sandra Ruff
- Chanpreet Kooner
- Wendy Bauer

That staff be authorized to fund the By-Election from funds set aside for the Agricultural Viability Study which will be deferred during 2025 and be replaced as part of the 2026 -2030 budget process.

E. REPORTS TO COUNCIL

2. Rescinding Airport Policies
Report 25-100
File LS 8400-11

That the following Council Policies are rescinded:

02-201	Public Airport until 2052
02-202	Property Leasing Fees
02-203	Operating and Capital Funds
02-204	Noise Abatement
02-205	Construction of Buildings
02-206	Aviation Fuel – Airport
02-207	Hot Air Balloon Operations
02-208	Ultralight Aircraft
02-209	Aviation-Related Businesses
02-210	Airport Management Structures

3. Interim Policy for Community Amenity Contributions
Report 25-110
File MA LSP00007

That Council adopt the Council Policy - Interim Policy Regarding Community Amenity Contributions substantially in the form presented as Attachment A to this report.

4. Veteran Memorial Crosswalks
Report 25-102
File PW 5460-01

That Council endorse the installation of future decorative road markings at off-street locations, where possible, such as municipal boulevards or low-traffic pedestrian areas, to minimize maintenance costs and ensure compliance with national pedestrian crossing standards.

That Council authorize the installation of veteran memorial road markings at the Aldergrove Royal Canadian Legion’s three driveway entrances, utilizing $20,000 from the Capital Projects Reserve, to be completed prior to Remembrance Day 2025, featuring a design with red and white stripes and a soldier silhouette.

That Council direct staff to include an annual base funding allocation of $25,000 in the 2026 budget process for Council’s consideration for the maintenance, rehabilitation, and potential expansion of decorative road markings across the Township.

E. REPORTS TO COUNCIL

5. Capital Request - 86 Avenue and Goldenview Trail Crosswalk
Report 25-101
File ENG 5460-04

That Council authorize the use of $42,000 for the construction of a pedestrian crosswalk at 86 Avenue and Goldenview Trail consisting of Rectangular Rapid Flashing Beacons (RRFB) on a pole and cantilever arm, a delineated curb bulge, zebra road markings and additional signage, funded by $30,500 from the Capital Projects Reserve, and $11,500 from TRN1001.

6. Capital Request – IT Equipment Replacements
Report 25-107
File IT 1010-01

That Council authorize the use of up to $250,000 from the Capital Projects Reserve and $100,000 from the IT Equipment Replacement Reserve for the replacement of 158 computers used by staff in the delivery of services to the public.

7. Development Variance Permit Application No. 100185
(Unifirst Canada Ltd. / 9189 – 196A Street)
Report 25-104
File CD 08-34-0085

That Council authorize issuance of Development Variance Permit No. 100185 for property located at 9189 - 196A Street subject to the following:

a. Section 702.5 a) - Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 being varied to reduce the setback from the front lot line from 10.0 m to 7.0 m to allow for a 361 m2 (3,886 ft2) building addition at 9189 - 196A Street as shown in Schedule “A”.
b. Building plans being in substantial compliance with Schedule “A”.
c. Landscape plans being in substantial compliance with Schedule “B”.

F. BYLAWS FOR FIRST AND SECOND READING

G. BYLAWS FOR FIRST, SECOND AND THIRD READING

1. Housing Agreement (Township of Langley / 7883 - 199 Street)
Bylaw No. 6148
Report 25-103
File CD 08-22-0116

That Council grant first, second and third reading to "Township of Langley Housing Agreement (Township of Langley Housing Trust Society – 199 Street Site) Bylaw No. 6148".

Explanation – Bylaw No. 6148

Bylaw No. 6148 authorizes The Corporation of the Township of Langley to enter into a housing agreement with the Township of Langley Housing Trust Society to secure rental housing and affordable rental units on the subject property located at 7883 - 199 Street.

2. Temporary Borrowing Bylaws (Old Yale Road Loan and Aldergrove Parkade Loan) and Municipal Security Issuing Resolution
Bylaw No. 6156
Bylaw No. 6157
Report 25-106
File FIN 1760-30

That Council give first, second, and third reading to Temporary Borrowing (Old Yale Road Loan) Bylaw No. 6156 towards the estimated cost of construction of Old Yale Road.

That Council give first, second, and third reading to Temporary Borrowing (Aldergrove Parkade Loan) Bylaw No. 6157 towards the acquisition cost of Aldergrove Parkade.

That Council approve borrowing from the Municipal Finance Authority of British Columbia (MFA), as part of their Spring 2026 long-term debt issue, $6,959,596 as authorized through Old Yale Road Loan Authorization Bylaw No. 6084.

That Council approve borrowing from the Municipal Finance Authority of British Columbia (MFA), as part of their Spring 2026 long-term debt issue, $8,838,384 as authorized through Aldergrove Parkade Loan Authorization Bylaw No. 6085.

That Metro Vancouver Regional District be requested to consent to our borrowing of $6,959,596 as authorized through Old Yale Road Loan Authorization Bylaw No. 6084 over a twenty (20) year term and include the borrowing in their security issuing bylaw.

G. BYLAWS FOR FIRST, SECOND AND THIRD READING

That Metro Vancouver Regional District be requested to consent to our borrowing of $8,838,384 as authorized through Aldergrove Parkade Loan Authorization Bylaw No. 6085 over a Ten (10) year term and include the borrowing in their security issuing bylaw.

Explanation – Bylaw No. 6156

Bylaw No. 6156 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of Old Yale Road, in the amount of $6,959,596 pursuant to Old Yale Road Loan Authorization Bylaw No. 6084.

Explanation – Bylaw No. 6157

Bylaw No. 6157 provides for temporary borrowing pending the issuance of debenture securities to complete the acquisition of Aldergrove Parkade, in the amount of $8,838,384 pursuant to Aldergrove Parkade Loan Authorization Bylaw No. 6085.

H. BYLAWS FOR CONSIDERATION AT THIRD READING

I. BYLAWS FOR FINAL ADOPTION

1. **Temporary Borrowing Bylaws (208A Civic Infrastructure Loan, 212 Street Civic Infrastructure Loan, Smith Athletic Park Phase 2 Loan, Ice and Dry Arenas Phase 2 Loan, and Strategic Land Loan)**
   Bylaw No. 6149
   Bylaw No. 6150
   Bylaw No. 6151
   Bylaw No. 6152
   Bylaw No. 6153
   Report No. 25-98
   File FIN 1760-30

   That Council give final reading to Temporary Borrowing (208A Civic Infrastructure) Bylaw No. 6149.

   That Council give final reading to Temporary Borrowing (212 Street Civic Infrastructure) Bylaw No. 6150.

   That Council give final reading to Temporary Borrowing (Smith Athletic Park Development Phase 2) Bylaw No. 6151.

   That Council give final reading to Temporary Borrowing (Ice and Dry Arenas Phase 2) Bylaw No. 6152.

I. BYLAWS FOR FINAL ADOPTION

That Council give final reading to Temporary Borrowing (Strategic Land) Bylaw No. 6153

Explanation – Bylaw No. 6149

Bylaw No. 6149 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of 208A Civic Infrastructure, in the amount of $11,824,689 pursuant to 208A Civic Infrastructure Loan Authorization Bylaw No. 6053.

Explanation – Bylaw No. 6150

Bylaw No. 6150 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of 212 Street Civic Infrastructure, in the amount of $5,830,952 pursuant to 212 Street Civic Infrastructure Loan Authorization Bylaw No. 6054.

Explanation – Bylaw No. 6151

Bylaw No. 6151 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of Smith Athletic Park Development Phase 2, in the amount of $39,267,677 pursuant to Smith Athletic Park Development Phase 2 Loan Authorization Bylaw No. 6078.

Explanation – Bylaw No. 6152

Bylaw No. 6152 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of Ice and Dry Arenas Phase 2, in the amount of $25,252,525 pursuant to Ice and Dry Arenas Phase 2 Loan Authorization Bylaw No. 6079.

Explanation – Bylaw No. 6153

Bylaw No. 6153 provides for temporary borrowing pending the issuance of debenture securities to complete the purchase of Strategic Land, in the amount of $27,119,517 pursuant to Strategic Land Loan Authorization Bylaw No. 6080.

I. BYLAWS FOR FINAL ADOPTION

2. Official Community Plan Amendment and Rezoning Application No. 100248 and Development Permit Application No. 101190 (1179203 BC Ltd. / Ciccozzi Architecture Inc. / 20069 - 80 Avenue)
Bylaw No. 5849
Bylaw No. 5850
Report 23-40
File CD 08-26-0221

That Council give final reading to "Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Willoughby Community Plan) Bylaw 1998 No. 3800 Amendment (Latimer Neighbourhood Plan) Bylaw 2015 No. 5101 Amendment (1179203 BC Ltd.) Bylaw No. 5849", and "Township of Langley Zoning Bylaw 1987 No. 2500 Amendment (1179203 BC Ltd.) Bylaw No. 5850".

Explanation – Bylaw No. 5849

Bylaw No. 5849 amends the Willoughby Community Plan and Latimer Neighbourhood Plan to redesignate property at 20069 – 80 Avenue.

Explanation – Bylaw No. 5850

Bylaw No. 5850 rezones land located at 20069 – 80 Avenue from Suburban Residential Zone SR-2 to Comprehensive Development Zone CD-180 to permit a comprehensive development consisting of 289 apartment units and 1,943 m^2 (20,914 ft^2) of ground floor commercial space in two 7-storey buildings.

Development Permit No. 101190

That Council authorize issuance of Development Permit No. 101190 (1179203 BC Ltd. / Ciccozzi Architecture Inc. / 20069 - 80 Avenue) in accordance with Attachment G subject to the following conditions:

a. Building plans being in substantial compliance with Schedule "A";
b. Landscape plans being in substantial compliance with Schedule "B" and the Subdivision and Development Servicing Bylaw (Schedule I - Tree Protection), the Township's Street Trees and Boulevard Plantings Policy and Age Friendly Amenity Area requirements;
c. All signage being in compliance with Schedule "A" and the Township's Sign Bylaw;
d. All rooftop mechanical equipment to be screened from view; and
e. All refuse areas to be located in an enclosure and screened.

I. BYLAWS FOR FINAL ADOPTION

Although not part of the development permit requirements, the applicant is advised that prior to issuance of a building permit, the following items will need to be finalized:

a. Completion of an erosion and sediment control plan and provision of security in accordance with the Erosion and Sediment Control Bylaw;
b. Completion of a site servicing and stormwater management plan in accordance with the Subdivision and Development Servicing Bylaw;
c. On-site landscaping to be secured by letter of credit at building permit stage;
d. Written confirmation from the owner and landscape architect or arborist that tree protection fencing identified in the tree management plan is in place; and
e. Payment of supplemental development permit application fees, Development Cost Charges, and building permit administration fees.

Clerk's Note: Please note that all development prerequisites listed in the Community Development Division report to Council of March 13, 2023 attached to the Bylaw have been satisfactorily addressed. The Public Hearing for the Bylaws was held on April 3, 2023 with third reading given on April 3, 2023. In accordance with Council policy, staff advise that the public hearing for the Bylaw was held more than a year prior to the proposed final reading date. Although resolution of the development prerequisite items was on-going and the on-site rezoning signs remained in place, the Bylaws were delayed due to servicing requirements for the site.

J. MAYOR AND COUNCIL REPORT

K. METRO VANCOUVER AND OTHER REGIONAL COMMITTEE REPRESENTATIVES REPORT

L. ITEMS BROUGHT FORWARD FOR PUBLIC INFORMATION FROM CLOSED MEETINGS

The following item has been brought forward from the January 27, 2020 Special Closed Council Meeting for public information:

Council Members in attendance during the item:

Acting Mayor M. Kunst, Councillors P. Arnason, D. Davis, S. Ferguson, B. Long, K. Richter, and B. Whitmarsh

1. Fort Langley Outdoor Pool
Assessment Update
Report C20-04
File ENG 0810-20-FLCP2

Moved by Councillor Davis,
Seconded by Councillor Ferguson,
That Council direct staff to proceed with conversion of the Fort Langley Outdoor Pool to an outdoor community splash pad and spray park;

That Council authorize allocation of $50,000 previously earmarked for upgrading the Fort Langley Outdoor Pool to detailed planning and design work, including public engagement with respect to the type of spray park and amenities that would be financially viable and desired by the community; and further

That Council direct staff to bring forward the necessary budgetary requirements related to the conversion for Council's consideration of approval as part of the 2021 budget discussions.
CARRIED

Councillors Arnason, Davis and Long opposed

Section 90(1) (e) Property; Section 90(2) (b) Intergovernmental Relations

M. FOR INFORMATION

1. 2024 Annual Water Quality Report
Memorandum – Public Works Division
File 5600-05-001

2. Wi-Fi and Monitor for the Derek Doubleday Arboretum
Memorandum – Information Technology Division
File 9710-01

3. Land Use Options – 20219 – 96 Avenue
Memorandum – Permits, Licensing, and Inspections
File 20219 – 96 Avenue

M. FOR INFORMATION

4. Heritage Advisory Committee
Minutes – June 4, 2025
File 0540-20

N. MOTIONS ARISING FROM INFORMATION

The following item was deferred at the June 23, 2025 Regular Council Meeting:

1. Eligible School Sites

Moved by Councillor Richter,
Seconded by Councillor Martens,
That council pass a resolution accepting the School Boards' resolution of proposed eligible schools site requirements for the School District.

DEFERRAL
Moved by Mayor Woodward,
Seconded by Councillor Ferguson,
That the Eligible School Sites resolution be deferred until the July 7, 2025 Regular Council Meeting.
CARRIED

O. OTHER BUSINESS

Mayor Woodward presented the following Notices of Motion within the deadlines according to Council's policy:

1. Canada Day Fireworks in 2026 and 2027

Whereas:

1. Staff provided Council with two options for a Drone or Fireworks show for Canada Day 2025 within Report to Council 25-23, dated February 24, 2025, and Report to Council 25-33, dated March 10, 2025; and

2. The Township of Langley has now presented two drone shows in 2024 and in 2025 (with an increased budget of $23,000 over 2024), with mixed reviews; and

3. The drone show within the Township of Langley's Canada Day celebrations now has a total approved budget of $53,000 just for this one component, comprising almost 50% of the event's total budget;

O. OTHER BUSINESS

Therefore be it resolved that Council directs staff to provide for a fireworks show for Canada Day in 2026 and 2027 at McLeod Athletic Park with a net annual budget of up to $40,000 per annum for this component of Township of Langley Canada Day celebrations with surplus funds directed to otherwise improving the event.

2. Additional Township of Langley Building Bylaw Requirements

That Council direct staff to Report to Council with draft bylaw amendments, while outlining the potential impacts and options, to revise the Township's current building energy requirements for construction from Energy Step Code 4 and EL-3 to align with the requirements of the BC Building Code from hereon.

That further this Report to Council include: (1) how this alignment may affect current phased development projects that are in preparation for permit issuance; (2) a review of Township of Langley requirements compared with those of neighbouring municipalities; (3) an evaluation of the potential implications for compliance the BC Building Code; and (4) any impacts on building permit review and inspection timelines.

P. MOTION TO RESOLVE INTO CLOSED MEETING

That Council now resolve into a Closed Meeting for discussion of the following items, in accordance with and as identified under Section 90 of the *Community Charter*:

Item A.1	-	Section 90(1) (n) Consideration
Item E.1	-	Section 90(1) (i) Solicitor-Client Privilege Section 90(1) (k) Negotiations
Item E.2	-	Section 90(1) (k) Negotiations
Item E.3	-	Section 90(1) (e) Property
Item G.1	-	Section 90(1) (e) Property
Item I.1	-	Section 90(1) (g) Legal

Q. TERMINATE

REGULAR MEETING OF TOWNSHIP COUNCIL MINUTES

Monday, June 23, 2025 at 1:30pm
Fraser River Presentation Theatre
4th Floor, 20338 – 65 Avenue, Langley, BC

PRESENT: Mayor E. Woodward

Councillors T. Baillie, S. Ferguson, M. Kunst, B. Martens, M. Pratt, K. Richter, and R. Rindt

C. Kooner, S. Richardson, S. Ruff, A. Ruhl, and J. Winslade

W. Bauer and C. Longhi

ACKNOWLEDGEMENT OF THE TRADITIONAL TERRITORIES OF THE COAST SALISH PEOPLES

Mayor Woodward acknowledged the Traditional Territories of the Coast Salish Peoples.

A. ADOPTION AND RECEIPT OF AGENDA ITEMS

1. Regular Council Meeting – June 23, 2025

Moved by Councillor Ferguson,
Seconded by Councillor Rindt,
That Council adopt the agenda and receive all agenda items of the Regular Council meeting held June 23, 2025.
CARRIED

B. ADOPTION OF MINUTES

1. Regular Council Meeting – June 9, 2025

Moved by Councillor Rindt,
Seconded by Councillor Baillie,
That Council adopt the Minutes of the Regular Council meeting held June 9, 2025.
CARRIED

B. ADOPTION OF MINUTES

2. Public Hearing Meeting – June 9, 2025

Moved by Councillor Rindt,
Seconded by Councillor Baillie,
That Council adopt the Minutes of the Public Hearing meeting held June 9, 2025.
CARRIED

Councillor Richter opposed

C. DELEGATIONS

1. Rebecca Darnell

File 0550-07

Rebecca Darnell appeared before Council to discuss annual flat utility fees. She stated that usage fees in the Township are the same amount for water and sewer, regardless of the type of dwelling. She further stated that strata units in the Township are being charged significantly higher usage rates compared to comparable sized units in the City of Langley. She requested that the Township should immediately reduce utility fees for strata units by at least 50%, and that an independent expert should be utilized to provide a recommendation to remedy the matter.

D. PRESENTATIONS

1. Langley Farmers' Institute

Amanda Smith, on behalf of The Langley Farmers' Institute (LFI), appeared before Council to provide a presentation about the state of farming in the Township of Langley. She discussed issues raised by rural residents, which include inequitable water use leading to well depletion, conflicts between organic flame weeding practices and municipal bylaws, a lack of enforcement on truck parking violations on Agricultural Land Reserve (ALR) lands, difficulty accessing bylaw information on the Township website, estate homes on valuable aquifer areas, non-farming uses of ALR land, dangerous dogs harming livestock, BC Assessment increasing the Farm Status Threshold, unauthorized ditching and landfill, and illegal dumping along rural roads.

She discussed that the LFI maintains communication with the BC Ministry of Agriculture, which supports its efforts, but is noted as the most underfunded agriculture ministry in Canada.

D. PRESENTATIONS

She presented suggestions to Council including updating the Township's Rural Plan, including a representative from either the LFI or the Agricultural Advisory Committee on the Township's Board of Variance, and she encouraged Council to advocate for increased provincial funding to the Ministry of Agriculture.

E. REPORTS TO COUNCIL

1. 2024 Annual Report and 2024 Statement of Financial Information
Report 25-91
File FIN 0640-22/1830-25

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council approve the 2024 Annual Report including the 2024 Audited Financial Statements upon receiving and considering submissions and questions from the public.

That Council approve the 2024 Statement of Financial Information (SOFI).
CARRIED

2. 2024 - 2026 Tree Planting and Canopy Expansion Update
Report 25-92
File PW 6300-01

Moved by Mayor Woodward,
Seconded by Councillor Baillie,
That Council authorize the use of $133,700 of Non-refundable Deposits to fund additional tree vouchers beginning November 1, 2025, to support tree canopy expansion.

That Council direct staff to include $250,000 of Non-refundable Deposits annually to fund the Tree Voucher Program starting in the 2026-2030 Capital Budget for Council's consideration of approval.
CARRIED

3. Walnut Grove Community Park Improvements
Report 25-99
File CP 6125-20-WGC02

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council approve the revised Walnut Grove Community Park Plan.

That Council direct staff to proceed with completing detailed design for Stage 1, based on the revised Plan, utilizing existing funding previously allocated towards this project.

E. REPORTS TO COUNCIL

That Council refer the funding request of $5.9M for construction of Stage 1 improvements to the 2026 Capital Budget process.

That Council direct staff to focus a public open house and Township Committee feedback based on the proposed Stage 3 improvements, during a process to be held in the fall of 2025.
CARRIED

MAYOR DECLARES CONFLICT OF INTEREST

Mayor Woodward declared a Conflict of Interest under Section 100 of the Community Charter due to a pecuniary interest and left the meeting at 2:00pm.

Councillor Pratt assumed the position of Chair.

4. Glover Road Pedestrian Plaza Future Plan
Report 25-94
File ENG 5330-23-156

REFERRAL
Moved by Councillor Baillie,
Seconded by Councillor Ferguson,
That Council refer the Glover Road Pedestrian Plaza Future Plan back to staff to conduct further consultation with area businesses, especially those serving food, and to explore alternate potential locations for the plaza.
CARRIED

Mayor Woodward re-entered the meeting at 2:02pm and resumed the position of Chair.

5. Capital Request – Multi Year Dog Licensing
Report 25-93
File BE 4000-01

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council authorize the use of up to $10,000 from the Capital Projects Reserve to fund the scoping engagement for the multi-year dog licensing initiative.
CARRIED

E. REPORTS TO COUNCIL

6. Telecommunication Tower Application No. 000017 (Telus / Cypress Land Services / 4343 – 216 Street)
Report 25-95
File CD 07-36-0118

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council advise Innovation, Science and Economic Development Canada that it does not object to Cypress Land Services' application to construct a 43.0 m (141.08 ft) high telecommunication tower and accessory compound at 4343 – 216 Street.
CARRIED

F. BYLAWS FOR FIRST AND SECOND READING

1. Official Community Plan Amendment Application No. 100258 (Grace Hanin Community Church / 22940 – 48 Avenue)
Bylaw No. 6025
Bylaw No. 6026
Report 25-97
File CD 10-32-0109

Moved by Mayor Woodward,
Seconded by Councillor Pratt,
That Council give first and second reading of Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Murrayville Community Plan) Bylaw 1988 No. 2661 Amendment (Rural Plan) Bylaw 1993 No. 3250 Amendment (Grace Hanin Community Church) Bylaw No. 6025 amending the Official Community Plan to change the designation of the lands from Rural to General Urban and amend the Murrayville Community Plan and Rural Plan to remove the lands from the Rural Plan and designate it Institutional in the Murrayville Community Plan for lands located at 22940 – 48 Avenue subject to the following development prerequisites being satisfied to the acceptance of the Township of Langley, prior to final reading:

1. Approval of the necessary amendments to the Metro Vancouver Regional Growth Strategy (RGS) and Greater Vancouver Sewerage and Drainage District.
2. Registration of restrictive covenants acceptable to the Township:
    a. restricting development until Urban Services are provided to the site
    b. identifying Streamside Protection and Enhancement Areas
    c. prohibiting clearing of the site (with the exception of servicing access areas) until such time as a final tree management plan is accepted by the Township for each site in compliance with the Subdivision and Development Servicing Bylaw (Schedule I – Tree Protection).

F. BYLAWS FOR FIRST AND SECOND READING

3. Completion of all relevant external agency, federal, provincial, regional and Township approvals.

That Council consider that Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Murrayville Community Plan) Bylaw 1988 No. 2661 Amendment (Rural Plan) Bylaw 1993 No. 3250 Amendment (Grace Hanin Community Church) Bylaw No. 6025 is consistent with the Township's Five Year Financial Plan as updated annually and with Metro Vancouver's Integrated Liquid Waste Resource Management Plan and Integrated Solid Waste Resource Management Plan, Housing Needs Report, and with the consultation requirement of Official Community Plan Consultation Policy (07-160).

That (at the time of third reading of Bylaw No. 6025) Council authorize staff to advance the application to Metro Vancouver for the proposed amendments to the Regional Growth Strategy.

That Council give first, second and third reading to Subdivision and Development Servicing Bylaw 2019 No. 5382 Amendment (Grace Hanin Community Church) Bylaw No. 6026 (and grant final reading at time of final reading of Bylaw No. 6025).

That Council authorize staff to schedule the required Public Hearing for the Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Murrayville Community Plan) Bylaw 1988 No. 2661 Amendment (Rural Plan) Bylaw 1993 No. 3250 Amendment (Grace Hanin Community Church) Bylaw No. 6025.
CARRIED

2. Official Community Plan Amendment and Rezoning Application No. 100295 (Tiwana/1368916 BC Ltd. / 7510 and 7488 – 198B Street)
Bylaw No. 6145
Bylaw No. 6146
Report 25-96
File CD 08-22-0104

Moved by Councillor Pratt,
Seconded by Councillor Rindt,
That Council give first and second reading to Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Willoughby Community Plan) Bylaw 1998 No. 3800 Amendment (Latimer Neighbourhood Plan) Bylaw 2015 No. 5101 Amendment (Tiwana / 1368916 BC Ltd.) Bylaw No. 6145 and Township of Langley Zoning Bylaw 1987 No. 2500 Amendment (Tiwana / 1368916 BC Ltd.) Bylaw No. 6146 rezoning approximately 0.78 ha (1.93 ac) of land located at 7510 and 7488 – 198B Street to Comprehensive Development Zone CD-131 to facilitate development of approximately 42 townhouse units subject to the following development prerequisites being satisfied to the acceptance of the Township prior to final reading:

F. BYLAWS FOR FIRST AND SECOND READING

1. A Servicing Agreement being entered into with the Township to secure required road, greenway, and utility upgrades and extensions in accordance with the Township's Subdivision and Development Servicing Bylaw.
2. Provision of road dedications, widenings and necessary traffic improvements for 75A Avenue and 198B Street (including greenway) in accordance with the Township's Master Transportation Plan, Subdivision and Development Servicing Bylaw and the Latimer Neighbourhood Plan.
3. Dedication and construction of a 4.5 m wide street greenway on the east side of 198B Street including final acceptance of the greenway landscape design plans, sidewalk/trail alignment, signage, landscape details and security.
4. Compliance with Age-Friendly Amenity Area requirements to the acceptance of the Township.
5. Submission of an erosion and sediment control plan in accordance with the Erosion and Sediment Control Bylaw.
6. Provision of a final tree management plan incorporating tree retention, replacement, protection details, and security in compliance with the Subdivision and Development Servicing Bylaw (Schedule I – Tree Protection).
7. Registration of restrictive covenants acceptable to the Township:
    a. restricting development until a Development Permit is issued for the site
    b. prohibiting clearing of the site (with the exception of servicing access areas) until such time as a final tree management plan incorporating tree retention replacement, protection details and security in compliance with the Subdivision and Development Servicing Bylaw (Schedule I – Tree Protection), is accepted by the Township
    c. identifying the units (5% of townhouse units) required in accordance with the Schedule 2 – Adaptable Housing Requirements of the Township's Official Community Plan
    d. prohibiting parking on internal strata roadways (other than in clearly identified parking spaces)
    e. prohibiting garages from being developed for purposes other than the parking of vehicles for the townhouse units and prohibiting the development of secondary suites within individual units.
8. Compliance with the Community Amenity Contributions Policy, Willoughby Greenway Amenity Policy and 5% Neighbourhood Park Land Acquisition Policy.
9. Payment of applicable Neighbourhood Planning Administration fees, supplemental Rezoning fees, Development Engineering and Green Infrastructure Services administration fees, Development Works Agreement (DWA) and Latecomer charges.

That Council consider that Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Willoughby Community Plan) Bylaw 1998 No. 3800

F. BYLAWS FOR FIRST AND SECOND READING

Amendment (Latimer Neighbourhood Plan) Bylaw 2015 No. 5101 Amendment (Tiwana / 1368916 BC Ltd.) Bylaw No. 6145 is consistent with the Township's Five Year Financial Plan as updated annually and with Metro Vancouver's Integrated Liquid Waste Resource Management Plan and Integrated Solid Waste Resource Management Plan, Housing Needs Report, and with the consultation requirement of Official Community Plan Consultation Policy (07-160).

That Council abandon Township of Langley Zoning Bylaw 1987 No. 2500 Amendment (Tiwana / 1368916 BC Ltd.) Bylaw No. 5884.

That Council authorize staff to schedule the required Public Hearing for Bylaws No. 6145 and 6146.

DEFERRAL
Moved by Councillor Richter,
Seconded by Councillor Martens,
That Official Community Plan Amendment and Rezoning Application No. 100295 be deferred until staff can report back with a financial update.
DEFEATED

Mayor Woodward and Councillors Baillie, Ferguson, Pratt and Rindt opposed

MAIN MOTION
The question was called on the Main Motion, and it was
CARRIED

Councillors Martens and Richter opposed

G. BYLAWS FOR FIRST, SECOND AND THIRD READING

1. **Temporary Borrowing Bylaws (208A Civic Infrastructure Loan, 212 Street Civic Infrastructure Loan, Smith Athletic Park Phase 2 Loan, Ice and Dry Arenas Phase 2 Loan, and Strategic Land Loan)**
   Bylaw No. 6149
   Bylaw No. 6150
   Bylaw No. 6151
   Bylaw No. 6152
   Bylaw No. 6153
   Report No. 25-98
   File FIN 1760-30

   Moved by Mayor Woodward,
   Seconded by Councillor Ferguson,
   That Council give first, second, and third reading to Temporary Borrowing (208A Civic Infrastructure Loan) Bylaw No. 6149 towards the estimated cost of construction of 208A Civic Infrastructure.

G. BYLAWS FOR FIRST, SECOND AND THIRD READING

That Council give first, second, and third reading to Temporary Borrowing (212 Street Civic Infrastructure Loan) Bylaw No. 6150 towards the estimated cost of construction of 212 Street Civic Infrastructure.

That Council give first, second, and third reading to Temporary Borrowing (Smith Athletic Park Phase 2 Loan) Bylaw No.6151 towards the estimated cost of construction of Smith Athletic Park Phase 2.

That Council give first, second, and third reading to Temporary Borrowing (Ice and Dry Arenas Phase 2 Loan) Bylaw No. 6152 towards the estimated cost of construction of Ice and Dry Arenas Phase 2.

That Council give first, second, and third reading to Temporary Borrowing (Strategic Land Loan) Bylaw No. 6153 towards the estimated cost of land acquisition.

MOTION TO DIVIDE
Moved by Councillor Kunst,
Seconded by Councillor Martens,
That the motion be divided.
DEFEATED ON A TIE VOTE

Mayor Woodward and Councillors Baillie, Ferguson, and Rindt opposed

DEFERRAL
Moved by Councillor Richter,
Seconded by Councillor Kunst,
That the motion be deferred for a detailed financial update from staff.
DEFEATED

Mayor Woodward and Councillors Baillie, Ferguson, Pratt and Rindt opposed

MAIN MOTION
The question was called on the Main Motion, and it was
CARRIED

Councillors Kunst, Richter and Martens opposed

MAYOR DECLARES CONFLICT OF INTEREST

Mayor Woodward declared a Conflict of Interest under Section 100 of the Community Charter due to a pecuniary interest and left the meeting at 2:12pm.

Councillor Pratt assumed the position of Chair.

Councillor Martens declared that she has received legal advice that she no longer has a conflict of interest regarding this property.

G. BYLAWS FOR FIRST, SECOND AND THIRD READING

2. Rezoning Application No. 100786 (Fort Langley Properties Ltd. / 9140, 9148 And 9166 Glover Road and 9100 Block of Church Street)
Bylaw No. 6134
Report 25-90
File CD 11-33-0137

Moved by Councillor Ferguson,
Seconded by Councillor Rindt,
That Council give first, second and third reading to Township of Langley Zoning Bylaw 1987 No. 2500 Amendment (Fort Langley Properties Ltd.) Bylaw No. 6134 amending Community Commercial Zone C-2 to increase the permitted residential density on a site-specific basis subject to the following development prerequisite being satisfied to the acceptance of the Township prior to final reading:

1. Compliance with the Community Amenity Contribution Policy.

That Council at time of final reading of Rezoning Bylaw No. 6134 authorize a 2-year extension of Heritage Alteration Permit No. 101218.
CARRIED

Councillors Kunst, Martens and Richter opposed

Mayor Woodward re-entered the meeting at 2:31pm and resumed the position of Chair.

H. BYLAWS FOR CONSIDERATION AT THIRD READING

I. BYLAWS FOR FINAL ADOPTION

1. Culvert Infrastructure Loan Authorization Bylaw and Alternative Approval Process
Bylaw No. 6110
Report 25-13
File FIN 1760-20

Moved by Mayor Woodward,
Seconded by Councillor Baillie,
That Council give final reading to Bylaw No. 6110.
CARRIED

Councillor Richter opposed

J. ITEMS FROM PRIOR MEETINGS

1. Capital Request – 208 Street Roadworks
From 81 Avenue to 84 Avenue
Report 25-78
File ENG 5330-23-176

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council pre-approve $5,511,500 in the 2026 Capital Budget for the construction of 208 Street from 81 Avenue to 84 Avenue, funded $4,021,647 from Road Development Cost Charges, $440,322 from Capital Projects Reserve, $822,970 from Greenway Amenity Fund and $226,561 of non-refundable deposits.

That Council direct staff to include construction of 208 Street from 81 Avenue to 84 Avenue in the 2026 TransLink Grant Applications.
CARRIED

Councillor Richter opposed

K. MAYOR AND COUNCIL REPORT

L. METRO VANCOUVER AND OTHER REGIONAL COMMITTEE REPRESENTATIVES REPORT

M. ITEMS BROUGHT FORWARD FOR PUBLIC INFORMATION FROM CLOSED MEETINGS

1. Memorial Tree Planting Ceremony 2026

Moved by Councillor Ferguson,
Seconded by Councillor Pratt,
Be it resolved that the individual named below be added to the 2026 Memorial Tree Planting and the funds be derived from the Parks Operation's Budget:

- Barbara Jean Ydenberg (nee Hoyt)

CARRIED

Section 90(1) (b) Personal

The agenda order was varied.

O. MOTIONS ARISING FROM INFORMATION

1. Belmont School Oak Trees

MOTION
Moved by Councillor Richter,
Seconded by Councillor Kunst,
That the memorandum from the Community Development Division be referred to the Heritage Advisory Committee for input.
DEFEATED ON A TIE VOTE

Mayor Woodward, Councillors Baillie, Pratt and Rindt opposed

The agenda order then resumed.

N. FOR INFORMATION

1. **Regional Approach to Non-Metered Utility Billing**
   Memorandum – Public Works and Finance Divisions
   File 5600-01-001

2. **Council Vacancy Update**
   Memorandum – Municipal Administration
   File 4200-01

3. **Bedford Channel Dredging Project - Update**
   Memorandum – Engineering Division
   File 5260-21-015-01

4. **Eligible School Sites**
   File 0400-80

   Letter received from Brian Iseli, Secretary-Treasurer, regarding the Eligible School Sites Proposal.

5. **Presentation Request**
   File 0550-10

   Email from Peter Fassbender requesting to make a 15-minute presentation to Council at the July 7, 2025 Regular Meeting regarding Vancouver Ready Mix.

6. **Seniors Advisory Committee**
   Minutes – May 21, 2025
   File 0540-20

7. **Agricultural Advisory Committee**
   Minutes – May 28, 2025
   File 0540-20

N. FOR INFORMATION

8. Joint School District No. 35/Municipal Liaison Committee
Minutes – June 4, 2025
File 0540-20

O. MOTIONS ARISING FROM INFORMATION

2. Presentation Request

Moved by Mayor Woodward,
Seconded by Councillor Ferguson,
That Council approve a 10-minute presentation from Peter Fassbender at the July 7, 2025 Regular Meeting regarding Vancouver Ready Mix.
CARRIED

3. Regional Approach to Non-Metered Utility Billing

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council approve the use of $100,000 from the Water Capital Works Reserve for staff to engage a qualified professional to conduct a financial study to provide optional flat rate structures, for Council consideration, that may be applied to single-family, strata and multi-family properties in the Township of Langley.
CARRIED

4. Eligible School Sites

Moved by Councillor Richter,
Seconded by Councillor Martens,
That council pass a resolution accepting the School Boards' resolution of proposed eligible schools site requirements for the School District.

DEFERRAL
Moved by Mayor Woodward,
Seconded by Councillor Ferguson,
That the Eligible School Sites resolution be deferred until the July 7, 2025 Regular Council Meeting.
CARRIED

P. OTHER BUSINESS

1. Pharmacies

Moved by Mayor Woodward,
Seconded by Councillor Rindt,
That Council directs staff to Report to Council on the potential merits, or lack thereof, of implementing separation metrics or other restrictions on pharmacy within the Township of Langley.
CARRIED

Councillor Richter opposed

2. 2025 Utility Billing

Moved by Councillor Kunst,
Seconded by Councillor Martens,
Whereas there is significant confusion and concern regarding the 2025 Utility Billing;

Whereas residents, particularly those living in stratified buildings, have expressed confusion and concern that utility rates are increasing significantly;

Whereas the Township is committed to transparency, equity, and clear communication with residents;

Now Therefore Be It Resolved That:

1. Staff be directed to review the current utility billing structure for stratified developments and determine the appropriate framework to ensure that all components of stratified properties — including individual residential units, commercial units, and common property — are billed fairly and equitably;

2. Staff report back on whether the Township has the authority to require the installation of water meters — at the Township's expense — in all commercial and residential strata units, including common property, and whether this could support a more accurate and equitable billing process;

3. Staff also consider and advise whether, as an alternative to metering, it would be appropriate for the Township to bill individual strata lots based on their unit entitlement, as set out in the registered Strata Plan.

DEFEATED

Mayor Woodward and Councillors Baillie, Ferguson, Pratt and Rindt opposed

P. OTHER BUSINESS

3. Fort Langley Racquet Sports Court Usage

Moved by Councillor Kunst,
Seconded by Councillor Richter,
Whereas:

1. On June 9, 2025 in the Regular Meeting for Public Hearing (Agenda Item C.1 – Fort Langley Racquet Sports Policies) Langley Township Council passed a motion that "The operating hours and potential usage for the racquet sports courts adjacent to Fort Langley Community Park be consistent with those throughout the Township of Langley";

2. Signage on the Fort Langley racquet sports courts located on SD #35 property (Langley Fine Arts School) adjacent to Fort Langley Community Park clearly states: "Court Schedule: Courts can be rented year-round. When not booked, courts can be used on a first-come, first-served basis";

3. Several community stakeholder groups affected by the use of the Fort Langley racquet sports courts located on SD #35 property (Langley Fine Arts School) adjacent to Fort Langley Community Park such as nearby residential homeowners, tennis court users, and pickleball court users have previously expressed to TOL Council, and continue to express, concerns about noise and court access/usage times;

Therefore be it resolved that TOL Council ask staff to convene a public meeting/public open house in Fort Langley of all Fort Langley racquet sports court users and interested community members as soon as reasonably possible, including but not limited to neighboring residential property owners, tennis court users, pickleball court users, and SD #35 users, to determine a Fort Langley racquet sports court usage schedule that is acceptable and reasonable for all affected Fort Langley stakeholders; and

Be it further resolved that staff bring forward an agreed recommendation on an acceptable court usage schedule from all affected Fort Langley racquet sports court stakeholders to Council for approval no later than September 15, 2025; and

Be it finally resolved that the revised Fort Langley racquet sports court schedule as agreed to by the Fort Langley racquet sports court stakeholders, and as approved by Council, be incorporated into the TOL racquet sports court policy, and posted online and via Fort Langley racquet sports court signage as soon as practically possible after Council approval is given.
DEFEATED

Mayor Woodward and Councillors Baillie, Ferguson, Pratt and Rindt opposed

P. OTHER BUSINESS

4. Valley West Stampede Society

Moved by Councillor Baillie,
Seconded by Councillor Rindt,
That Council authorize $10,000 from Council Contingency to the Valley West Stampede Society towards the Valley West Stampede for 2025.
CARRIED

Councillor Richter opposed

Q. MOTION TO RESOLVE INTO CLOSED MEETING

Moved by Councillor Baillie,
Seconded by Councillor Rindt,
That Council now resolve into a Closed Meeting for discussion of the following items, in accordance with and as identified under Section 90 of the *Community Charter*:

Item A.1 - Section 90(1) (n) Consideration
Item C.1 - Section 90(1) (k) Negotiations
Item E.1 - Section 90(1) (k) Negotiations
Item E.2 - Section 90(1) (e) Property
Item E.3 - Section 90(1) (e) Property
Item G.1 - Section 90(1) (f) Law Enforcement
Item I.1 - Section 90(1) (e) Property
Item I.2 - Section 90(1) (g) Legal
Section 90(1) (i) Solicitor-Client Privilege
Item I.3 - Section 90(1) (e) Property
Item I.4 - Section 90(1) (g) Legal
Item I.5 - Section 90(1) (g) Legal
CARRIED

R. TERMINATE

Moved by Councillor Rindt,
Seconded by Councillor Baillie,
That the meeting terminate at 3:02pm
CARRIED

CERTIFIED CORRECT:

_____
Mayor

_____
Township Clerk

Council Delegation Request

All persons or organizations who wish to appear before Council as a delegation must submit a written request.

1 Delegate Information

Applicant/Organization name

Simrat Pal Singh Brar

2 Council Meeting Information

Council meeting date

July 7, 2025 **at 1:30pm**

3 Topic

Drainage system safety concern and request for Township-funded ditch infill to address a known non-compliant and hazardous open storm system.

4 Additional Information

Purpose of presentation ❑ Information only ☑ Request letter of support ☑ Request funds
❑ Other Request Council direction ditch infill.

Desired resolution

That Council direct staff to implement and fully fund the infill of the hazardous, non-compliant open ditch located within the municipal right-of-way, in order to protect the safety of my children, public and address broader safety concerns associated with the deficient and hazardous open drainage system.

5 Meeting Location

Fraser River Presentation Theatre, 4th Floor
Township of Langley Civic Facility
20338 – 65 Avenue, Langley, BC V2Y 3J1

Office use only

❑ Approved ❑ Declined ❑ Other _____ ❑ Applicant informed

SEE NEXT

Council Delegation Request

All persons or organizations who wish to appear before Council as a delegation must submit a written request.

1 Delegate Information

Applicant/Organization name

Kelly Hasegawa

2 Council Meeting Information

Council meeting date

July 7 2025 **at 1:30pm**

3 Topic

Speaking to the community concerns for quality of life issues- noise, dust, traffic, infrastructure , and health. Vancouver Ready Mix operating in a residential/ institutional setting has shown a total disregard for our neighbourhood and the people that reside here 24/7/365.

4 Additional Information

Purpose of presentation ☑ Information only ❑ Request letter of support ❑ Request funds
❑ Other _____

Desired resolution

We are asking council to carefully consider the impact on our community and to not repeat the mistakes of the past. We are asking council to enforce the decisions made as of September 14, 2015 when the bylaw was amended. To maintain its non-conforming use protection, VRM is not to increase or expand its operations on their property or neighbouring properties

5 Meeting Location

Fraser River Presentation Theatre, 4th Floor
Township of Langley Civic Facility
20338 – 65 Avenue, Langley, BC V2Y 3J1

Office use only

❑ Approved ❑ Declined ❑ Other _____ ❑ Applicant informed

SEE NEXT

Council Delegation Request

All persons or organizations who wish to appear before Council as a delegation must submit a written request.

1 Delegate Information

Applicant/Organization name

Chris Buss

2 Council Meeting Information

Council meeting date

July 7 2025 **at 1:30pm**

3 Topic

Speaking to the community concerns surrounding the issues of Heavy Industry such as Vancouver Ready Mix operating in a residential?institutional setting. Traffic safety and lack of infrastructure in the area will be discussed. I will also be addressing the Business Practices we have witnessed in our interactions with Vancouver Ready Mix and their lack of respect for the current by-laws and community safety

4 Additional Information

Purpose of presentation ☑ Information only ❑ Request letter of support ❑ Request funds
❑ Other _____

Desired resolution

That the ruling regarding their operations as outlined in the court judgement be strictly adhered to and that close and careful monitoring of their operation with respect to applicable By-Laws be enforced. Vancouver Ready Mix should not be allowed to expand or update as the ruling restricts changes to scope and size of the operation

5 Meeting Location

Fraser River Presentation Theatre, 4th Floor
Township of Langley Civic Facility
20338 – 65 Avenue, Langley, BC V2Y 3J1

Office use only

❑ Approved ❑ Declined ❑ Other _____ ❑ Applicant informed

SEE NEXT

Council Delegation Request

All persons or organizations who wish to appear before Council as a delegation must submit a written request.

1 Delegate Information

Applicant/Organization name

Barry Levy

2 Council Meeting Information

Council meeting date

July 7, 2025 **at 1:30pm**

3 Topic

Speaking to the community concerns surrounding the Environmental impact of Heavy Industry such as Vancouver Ready Mix operating in a residential/institutional setting.

4 Additional Information

Purpose of presentation ☑ Information only ❑ Request letter of support ❑ Request funds
❑ Other _____

Desired resolution

That the ruling regarding their operations as outlined in the court judgement be strictly adhere to and that close and careful monitoring of their operation with respect to applicable By-Laws be enforced. Vancouver Ready Mix should not be allowed to expand or update as the ruling mandates that the operation cannot expand in scope or size

5 Meeting Location

Fraser River Presentation Theatre, 4th Floor
Township of Langley Civic Facility
20338 – 65 Avenue, Langley, BC V2Y 3J1

Office use only

❑ Approved ❑ Declined ❑ Other _____ ❑ Applicant informed

SEE NEXT

Township of Langley
Est. 1873

REPORT TO
MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 - REGULAR MEETING	**REPORT:**	25-108
FROM:	MUNICIPAL ADMINISTRATION DIVISION	**FILE:**	4200-28-001
SUBJECT:	APPOINTMENT OF CHIEF ELECTION OFFICER TO CONDUCT THE LOCAL GOVERNMENT BY-ELECTION		

RECOMMENDATIONS:

That Council select an individual from the list below, or an individual of Council's choosing, and appoint the individual as the Chief Election Officer for the upcoming Local Government By-Election:

- Sandra Ruff
- Chanpreet Kooner
- Wendy Bauer

That staff be authorized to fund the By-Election from funds set aside for the Agricultural Viability Strategy which will be deferred during 2025 and be replaced as part of the 2026 -2030 budget process.

EXECUTIVE SUMMARY:

The Township of Langley has had a vacant Councillor position since May 26, 2025. As per the *Local Government Act* section 54(4), as soon as practical after a Council vacancy occurs the local government must appoint a Chief Election Officer. The Chief Election officer is then directed in section 54(5) to set the general voting day for the by-election on a Saturday no later than 80 days after appointment.

PURPOSE:

The selection of Chief Election Officer is the first step in administering the required by-election.

BACKGROUND/HISTORY:

On May 29, 2025 Bill M 202 – 2025, the *Eligibility To Hold Public Office Act* ("Bill M 202") was given Royal Assent in the British Columbia Legislature. Pursuant to Bill M 202, Councillor vanPopta was "deemed to have resigned" from the local office (s. 2(3)) resulting in a vacant Councillor position for the Township of Langley. As per the *Local Government Act*, the Township of Langley is now to conduct a Local Government By-Election to fill the vacant Council seat.

DISCUSSION/ANALYSIS:

Council is being requested to appoint the Chief Election Officer to schedule and administer the required by-election to fill the vacant Councillor seat in the Township of Langley. As the vacancy occurred prior to January 1, 2026, the by-election will occur a per the *Local Government Act*.

Staff have contacted five individuals that have either been the Chief Election Officer or have significant experience with Township of Langley elections. The individuals have all declined as they are unavailable at this time. One individual with extensive experience has confirmed they are available as an advisor if required.

Staff have been contacted by several individuals that have worked as Presiding Election Officials at polling locations in previous elections. Although these individuals have varying availability over the next several months and have not been fully involved in the Township of Langley election management, staff will potentially be requesting their assistance in varying election management processes due to the tight timelines of a by-election and the existing responsibilities of Township staff.

FINANCIAL IMPLICATION:

At this time the cost of the by-election is unknown, however, staff propose to fund the by-election from funds set aside for the Agricultural Viability Strategy which will be deferred during 2025 and be replaced as part of the 2026 -2030 budget process. This funding requires no budget amendment bylaw.

Respectfully submitted,

Chanpreet Kooner
CHIEF ADMINSTRATIVE OFFICER
for
MUNICIPAL ADMINSTRATION DIVISION

This report has been prepared in consultation with the following listed departments

CONCURRENCES	
Division / Department	**Name**
FINANCE DIVISION	S. Ruff
LEGISLATIVE SERVICES DIVISION	W. Bauer

Township of Langley
Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 - REGULAR MEETING	**REPORT:**	25-100
FROM:	LEGISLATIVE SERVICES DIVISION	**FILE:**	8400-11
SUBJECT:	RESCINDING AIRPORT POLICIES		

RECOMMENDATION(S):

That the following Council Policies are rescinded:

02-201	Public Airport until 2052
02-202	Property Leasing Fees
02-203	Operating and Capital Funds
02-204	Noise Abatement
02-205	Construction of Buildings
02-206	Aviation Fuel – Airport
02-207	Hot Air Balloon Operations
02-208	Ultralight Aircraft
02-209	Aviation-Related Businesses
02-210	Airport Management Structures

DISCUSSION/ANALYSIS:

At the June 9, 2025 Regular Council Meeting, the *Langley Regional Airport Bylaw No. 6138* was adopted. Due to an administrative oversight, the related Airport Council Policies were not rescinded at the meeting. As the policies have been replaced by Bylaw No. 6138, it is appropriate that Council rescinds the policies at this time.

Respectfully submitted,

Wendy Bauer
TOWNSHIP CLERK
for
LEGISLATIVE SERVICES DIVISION

ATTACHMENT A Council Policies 02-201 through 02-210
ATTACHMENT B Report 25-75 (without attachments)

CONCURRENCES	
Division / Department	**Name**
Engineering Division	A. Ruhl

Township of Langley
Est 1873

COUNCIL POLICY

Subject: Public Airport until 2052
Langley Regional Airport

Policy No:	**02-201**
Approved by Council:	**1978-07-17**
Revised by Council:	**2007-01-08**
Revised by Council:	**2012-10-15**
Revised b Council:	**2016-05-30**

Purpose

1.1 To provide terms of reference for the Langley Regional Airport

2. Background

2.1 Langley Regional Airport was purchased by the Township from the federal government in 1967. The granting of title to the municipality is subject to the following conditions and covenants:

2.1.1 the Township must operate Langley Regional Airport as a public airport for a minimum of 15 years

2.1.2 at no time will Langley Regional Airport be converted or disposed of by the Township

2.1.3 at the expiration of the 15-year agreement, the Township may, at their option, continue to operate Langley Regional Airport. Should the Township choose to discontinue the management of the airport, it will be conveyed back to Her Majesty for $1.00.

2.2 Council, by resolution of July 17, 1978, agreed to continue operating Langley Regional Airport as a Day Flying Airport Only until the year 2001.

2.3 Council, by resolution of February 6, 1990, adopted a policy to extend the operation of the Langley Regional Airport to the year 2015.

2.4 Council, by resolution of January 27, 1997, adopted a policy to extend the operation of the Langley Regional Airport to the year 2025.

2.5 Council approved, by Council Report 07-07 of January 8, 2007, extended the operation of the Langley Regional Airport to the year 2052.

3. Related Policy

3.1 N/A

4. Policy

4.1 The Township will operate the Langley Regional Airport as a public airport until at least the year 2052.

Township of Langley
Est 1873

COUNCIL POLICY

Subject: Property Leasing Fees
Langley Regional Airport

Policy No:	**02-202**
Approved by Council:	**1998-09-21**
Revised by Council:	**2009-05-01**
Revised by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**
Revised:	**2024-02-15**

Purpose

1.1 To provide a mechanism for the establishment of airport property lease fees for the Langley Regional Airport

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 Aircraft Parking Fees and Land Lease Rates

4.1.1 Every five to seven years, the Township of Langley will seek an independent market rentable value review of aircraft tie-down and property lease rates. The results of this independent review will be submitted to Council for consideration. Should Council approve the rates recommended in the review, these rates will be instituted. Thereafter, rates will be increased in subsequent years based on the Vancouver Consumer Price Index annual average percent change as published by BC Statistics. Rates are subject to applicable tax.

4.2 New Leases, Extensions, Assignments, Amendments, Sub-lease Consents

4.2.1 The Township will consider new leases of up to 30 years for serviced properties and 20 years for un-serviced properties, if requested by prospective lessees, with a renewal option for further 5-year periods at the anniversary date.

4.2.2 Sub-leasing for commercial purposes will only be permitted for whole lots or portions of a lot with Township approval.

4.2.3 Where an extension, assignment, amendment or sub-lease consent is requested, administration fees will be charged prior to execution of the applicable agreement to recoup all, or a portion, of the administrative and legal fees related to the request, as determined by the Municipality. The minimum administration fee of $500 will be effective on February 15, 2024. Administration fees will be reviewed annually to ensure adequate recovery related to wages and legal costs.

4.3 Utility Fees

4.3.1 All utility fees will be paid by the lessee to the service provider.

Township of Langley
Est. 1873

COUNCIL POLICY

Subject: Operating and Capital Funds Langley Regional Airport

Policy No:	**02-203**
Approved by Council:	**1978-07-17**
Revised by Council:	**1991-06-17**
Revised by Council:	**1998-06-17**
Revised by Council:	**2012-10-15**
Revised b Council:	**2016-05-30**

1. Purpose

1.1 To establish operating and capital funding for Langley Regional Airport.

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 Self-funding

4.1.1 Langley Regional Airport will generate its own revenue for operating and capital funds. Funds generated by or on the airport will be used solely to fund airport operating and capital expenses.

4.1.2 The Township will consider applications to federal and/or provincial agencies or other appropriate agencies for specific funds for capital and/or development projects. The costs for such projects will be recovered from revenue generated by the airport.

Township of Langley
Est. 1873

COUNCIL POLICY

Subject: Noise Abatement
Langley Regional Airport

Policy No:	**02-204**
Approved by Council:	**1998-09-21**
Revised by Council:	**2012-10-15**
Revised b Council:	**2016-05-30**

Purpose

1.1 To minimize noise generated by airport related activities.

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 The Township is aware that airspace is controlled by the federal government, not by the municipality. However, the Township will do everything reasonably and legally possible to reduce noise generated by airport related activities, including publishing noise abatement procedures and advising airport users of those procedures.

Township of Langley
Est. 1873

COUNCIL POLICY

Subject: Construction of Buildings: Property Use and Appearance Langley Regional Airport

Policy No:	**02-205**
Approved by Council:	**1998-09-21**
Revised by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**
Revised:	**2019-06-27**

1. Purpose

1.1 To ensure compliance with federal, provincial, and municipal construction laws

1.2 To ensure an acceptable external appearance of leased property

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 Setbacks

4.1.1 The location of buildings on individual lease lots will be in accordance with Transport Canada requirements for setbacks from operating surfaces (runways, taxiways, aprons, etc.) and as specified by the Township for efficient use of land and services.

4.2 Construction

4.2.1 All airport buildings must:

4.2.1.1 conform to the current edition of the BC Building Code and all applicable Township of Langley bylaws

4.2.1.2 present a pleasing appearance

4.3 Location

4.3.1 Buildings will be located as to allow maximum clearance between hangars.

4.3.2 Aircraft storage hangars for fixed wing aircraft will be located on the west side of the airport.

4.3.3 Industrial and commercial buildings, including those for fixed wing aircraft and helicopters, will be located in the southeast corner and north side of the airport as well as in the buildings located on each of the lots numbered 38 and 39 as shown on the map attached hereto as Appendix A. Helicopters are not to operate from hangars located on any of the lots numbered 21 to 37 (inclusive) on the west side as shown on the map attached hereto as Appendix A.

4.4 Property External Usage and Appearance

4.4.1 Property surrounding a building must not be used for storage of unlicensed autos, boats, recreational vehicles, trailers, tractor trailers, or heavy construction equipment such as excavators and ploughs. Upon Township of Langley approval, compounds may be created and used for enclosure of unsightly items such as deployment trailers and materials. Sea-Can and like steel containers will not be stored outside of compounds and cannot be placed inside compounds without Township of Langley approval.

4.4.2 Building exteriors must be adequately maintained, i.e. painting and refurbishing to project a professional and pleasing appearance reflective of the Township of Langley.

APPENDIX A


LANGLEY
58 AVE
213A ST
41
42
43
44
45
46
47
48
Gate 5
Gate 6
ROLL UP BAY
TXY G
TXY H
TXY E
TXY C
TXY A
TXY D
TXY B
Z743
39
38
32
30
26
23
37
31
29
25
22
36
28
27
24
21
35
20
34
33
2100
APRON 1
APRON 2
APRON 3
HELI PAD
FUEL FARM
TOWER
BYPASS
Gate 1
Gate 2
Gate 3
Gate 4
Future Electronic Gate
FRASER HWY
18A
17
15
14
16
13
12
10
11
9
8
5
4
3
516 AVE
518 AVE
519 AVE
212 ST
211A ST
Langley Regional Airport: Internal Use
5385 - 216 Street, Langley BC V2Y 2N3
CYNJ - Elevation 34'
N49 06 03 W122 37 51

Township of Langley

Est. 1873

COUNCIL POLICY

Subject: Airport Aviation Fuel
Langley Regional Airport

Policy No:	**02-206**
Approved by Council:	**1998-09-21**
Revised by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**

1. Purpose

1.1 To provide for refueling capabilities at the Langley Regional Airport

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 Langley Regional Airport fuel sales outlet is under the control of the Township and consists of automatic dispensers for AvGas and a fuel truck for Jet Fuel.

4.2 No other fuel outlet is permitted on the Langley Regional Airport and no aviation fuel for aviation purposes, including MOGAS, will be brought onto the airport in drums, other containers, or any other method with the intent of dispensing fuel at the airport.

4.3 Commercial or privately owned fuel trucks for deployed operations of Langley based businesses may be stored in the airport compound but are not to be stored on leased property.

Township of
Langley

COUNCIL POLICY

Est. 1873

Subject: Hot Air Balloon Operations
Langley Regional Airport

Policy No:	**02-207**
Approved by Council:	**1998-09-21**
Revised by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**

1. Purpose

1.1 To provide criteria for hot air balloon operations at the Langley Regional Airport

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 All hot air balloons launched from the Langley Regional Airport will have a VHF aircraft radio on board.

4.2 An area will be designated for launching hot air balloons.

4.3 A parking area restricted to participants and crew only will be designated for vehicles associated with hot air balloons.

4.4 The launching area and parking area will be separated, although provision must be made to facilitate transport of balloons to the launch site.

4.5 Hot air balloon operators using the airport must provide proof of comprehensive (commercial) general liability insurance coverage of $3,000,000 naming the Township of Langley as an additional insured.

Township of Langley

Est. 1873

COUNCIL POLICY

Subject: Ultralight Aircraft
Langley Regional Airport

Policy No:	**02-208**
Approved by Council:	**1998-09-21**
Revised by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**

1. Purpose

1.1 To provide criteria for ultralight aircraft use at the Langley Regional Airport

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 Ultralight aircraft may use the Langley Regional Airport provided the aircraft:

4.1.1 is equipped with a functioning air-ground-air radio

4.1.2 complies with published airport flight procedures or as directed by the tower

Township of Langley

Est. 1873

COUNCIL POLICY

Subject: Aviation Related Businesses Langley Regional Airport

Policy No:	**02-209**
Approved by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**
Revised:	**2017-09-11**

1. Purpose

1.1 To establish criteria for businesses operating on the Langley Regional Airport

2. Background

2.1 N/A

3. Related Policy

3.1 N/A

4. Policy

4.1 Whereas the Langley Regional Airport is in the Agricultural Land Reserve and is governed by federal laws, in order to comply with federal and provincial legislation, only aviation-related businesses and ancillary municipal and other government uses will be allowed to operate on the Langley Regional Airport.

Township of Langley

Est. 1873

COUNCIL POLICY

Subject: Airport Management Structure
Langley Regional Airport

Policy No:	**02-210**
Approved by Council:	**2012-10-15**
Revised by Council:	**2016-05-30**
Revised:	**2017-09-11**

1. Purpose

1.1 To provide for the realignment of the Langley Regional Airport management structure from contractor to regular Township employees.

2. Background

2.1 The Township of Langley is required to have a designated employee responsible for airport management. At the October 15, 2012 Special Closed Council meeting, Council authorized the Chief Administrative Officer to adopt and approve policy changes and to approve leasing, assignment of leases, and building sales, as needed for the functioning of the Langley Regional Airport, and as required from time to time, and to change a portion of the management responsibilities for the Airport from contractor to regular employees.

3. Related Policy

3.1 N/A

4. Policy

4.1 The Chief Administrative Officer or designate is authorized to adopt and approve policy changes and to approve leasing, assignment of leases, and airport building sales as needed for the functioning of the Langley Regional Airport and as required from time to time.

Township of Langley

Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	MAY 26, 2025 - REGULAR MEETING	**REPORT:**	25-75
FROM:	ENGINEERING DIVISION	**FILE:**	8400-01
SUBJECT:	LANGLEY REGIONAL AIRPORT BYLAW		

RECOMMENDATIONS:

That Council give first, second, and third reading to Langley Regional Airport Bylaw No. 6138.

That Council give first, second, and third reading to Bylaw Notice Enforcement Bylaw 2008 No. 4703 Amendment Bylaw No. 6139.

That upon final adoption of Langley Regional Airport Bylaw No. 6138, the following Council policies be rescinded: Public Airport until 2052 Policy 02-201, Property Leasing Fees Policy 02-202, Operating and Capital Funds Policy 02-203, Noise Abatement Policy 02-204, Construction of Buildings: Property Use and Appearance Policy 02-205, Airport Aviation Fuel 02-206, Hot Air Balloon Operations Policy 02-207, Ultralight Aircraft Policy 02-208, Aviation Related Businesses Policy 02-209, and Airport Management Structure Policy 02-210.

EXECUTIVE SUMMARY:

This report presents Langley Regional Airport Bylaw No. 6138, which consolidates the majority of the existing Council policies related to airport operations. Certain elements have not been included in the Bylaw because they are:

- Governed by federal regulations.
- Addressed directly through airport lease agreements.
- Included in the proposed Langley Regional Airport 2045 Strategic Plan for Council's consideration.

The Langley Regional Airport Bylaw also aligns with recommendations in the Langley Regional Airport Governance Review (Report to Council 25-60), delegating appropriate operational authority to the Airport Manager while preserving Council's oversight.

Alongside the Langley Regional Airport Bylaw, Amendment Bylaw No. 6139 updates the enforcement bylaw to include fines and penalties for airport-related offences.

PURPOSE:

To present Langley Regional Airport Bylaw No. 6138 and accompanying Bylaw Notice Enforcement Bylaw 2008 No. 4703 Amendment Bylaw No. 6139 for Council's consideration and approval, as directed at recent Regular Council Meetings.

BACKGROUND/HISTORY:

On July 15, 2024, Council directed staff to consolidate policies governing airport operations into a new comprehensive bylaw.

On April 28, 2025, Council directed further work aligned with the Airport Governance Review, ensuring that Council retains final authority while enabling airport management to act responsively.

DISCUSSION/ANALYSIS:

As directed by Council, the Langley Regional Airport Bylaw:

1. replaces the existing Council policies related to operations at the Langley Regional Airport
2. improves airport management's flexibility to respond to operational and technical issues within a timely manner to benefit both aviation operations and the airport community.

There are currently 10 Council policies related to operations at the Langley Regional Airport. Staff have incorporated most of the policies into Langley Regional Airport Bylaw No. 6138.

In some cases, due to regulatory changes, some elements of the policies have not been moved to the bylaw because the subject matter is regulated by federal regulations, included directly in airport leases, or included in the proposed Langley Regional Airport 2045 Strategic Plan, for Council's consideration and endorsement. If that is the case, it is noted below.

Policy Summary:

Public Airport until 2052 Policy 02-201

- The contents of this policy are included in Section 2.6 of the Bylaw.

Property Leasing Fees Policy 02-202

- The contents of this policy are contained within all airport leases.

Operating and Capital Funds Policy 02-203

- The contents of this policy are included in the proposed Langley Regional Airport 2045 Strategic Plan, for Council's consideration and endorsement.

Noise Abatement Policy 02-204

- Noise abatement is the jurisdiction of Transport Canada in its entirety. However, the Airport Manager will continue to recommend noise-sensitive areas and advise airport users of those areas, as well as document noise complaints.

Construction of Buildings: Property Use and Appearance Langley Regional Airport Policy 02-205

- The contents of this policy are included in Section 4.4 of the Bylaw and addressed in tenant leases.

Airport Aviation Fuel 02-206

- The contents of this policy are included in the internal airport operations procedures regarding aviation fuel.

Hot Air Balloon Operations Policy 02-207

- The contents of this policy have not been included within Bylaw No. 6138 because hot air balloon operations are now regulated by the federal government entirely.

Ultralight Aircraft Policy 02-208

- The contents of this policy have not been included within Bylaw No. 6138 because ultralight aircraft operations are now regulated by the federal government entirely.

Aviation Related Businesses Policy 02-209

- The contents of this policy have been included in Section 4.1, to align with the Township's obligations with the federal government's right of reverter.

Airport Management Structure Policy 02-210

- The contents of this policy have been adapted to reflect the direction of Council as a result of the Langley Regional Airport Governance Review (Report to Council 25-60) and can be found in Section 3 of the Bylaw.

Airport Management Authority:

The Chief Administrative Officer (CAO) is designated as the Accountable Executive under the Airport's Safety Management System. The CAO is responsible for overall operational oversight, ensuring regulatory compliance, allocating sufficient human and financial resources, and executing agreements, as outlined in Section 3.1 of the Bylaw.

The Airport Manager is delegated authority for day-to-day general operations, technical matters, airport business development, and regulatory compliance and safety, as described in Section 3.3. The Airport Manager is organizationally situated within the Engineering Division, reporting through the Director, Engineering and Public Works.

Enforcement:

In addition to the Council policies, the Bylaw also includes parking prohibitions as well as offences and penalties for contravention of the Bylaw.

Bylaw Notice Enforcement Bylaw 2008 No. 4703 Amendment Bylaw No. 6139 updates the enforcement schedule to include offences under Bylaw No. 6138. Fineable offences include:

- Engaging in prohibited airport uses
- Operating a laser without authorization
- Storing unlicensed vehicles or equipment
- Unauthorized alteration of airport infrastructure
- Obstructing aircraft with improperly parked vehicles
- Unauthorized long-term parking or storage
- Failing to park vehicles according to hangar requirements
- Refusal to provide name when required.

Respectfully submitted,

Patrick Sihota
AIRPORT MANAGER
for
ENGINEERING DIVISION

This report has been prepared in consultation with the following listed departments.

CONCURRENCES	
Division / Department	**Name**
BYLAW ENFORCEMENT	M. Natt

ATTACHMENT A Langley Regional Airport Council Policies

Township of Langley
Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 - REGULAR MEETING	**REPORT:**	25-110
FROM:	MUNICIPAL ADMINISTRATION DIVISION	**FILE:**	LSP00007
SUBJECT:	INTERIM POLICY FOR COMMUNITY AMENITY CONTRIBUTIONS		

RECOMMENDATION:

That Council adopt the Council Policy - Interim Policy Regarding Community Amenity Contributions substantially in the form presented as Attachment A to this report.

EXECUTIVE SUMMARY:

The Community Amenity Contributions (CAC) Policy No. 07-166 was adopted by Council in 2018. On June 20, 2025, the Supreme Court of British Columbia ruled the policy as invalid.

The Township has been preparing an Amenity Cost Charge (ACC) bylaw, pursuant to the *Local Government Act*. The draft ACC bylaw will be presented to Council for consideration of first reading in the near future. Provincial guidance suggests that a Public Information Session be conducted after first reading and before second reading. It is anticipated that the Public Information Session will take place in early fall, with a timeframe for Council to consider subsequent bylaw readings before the end of 2025.

Prepared by legal counsel, the interim CAC Policy directs staff to:

- discuss with development applicants the prospect of making amenity contributions to the Township;
- negotiate with development applicants on a case-by-case basis for the provision of community amenities, as part of a Phased Development Agreement; or
- consider amenity contributions either at the initiative of development applicants or as a result of rezoning negotiations between the applicant and the Township.

The interim policy would be in effect until all in-stream development applications, as of the date of policy adoption, were processed. At the time this report was prepared, there were 182 in-stream development applications, with 127 of them pre-Council and 55 at third reading.

PURPOSE:

This report recommends Council consider adoption of an interim policy for Community Amenity Contributions.

BACKGROUND/HISTORY:

The Community Amenity Contributions (CAC) Policy No. 07-166 was adopted by Council in 2018. On June 20, 2025, the Supreme Court of British Columbia ruled the policy as invalid.

DISCUSSION/ANALYSIS:

Pursuant to Section 570.2 of the *Local Government Act*, an Amenity Cost Charge (ACC) bylaw is being prepared and will be presented to Council for consideration of first reading in the near future. Provincial guidance suggests that a Public Information Session be conducted after first reading and before second reading of the bylaw. It is anticipated that the Public Information Session will take place in early fall, with a timeframe for Council to consider subsequent bylaw readings before the end of 2025.

Prepared by legal counsel, the interim CAC Policy directs staff to:

- discuss with development applicants the prospect of making amenity contributions to the Township;
- negotiate with development applicants on a case-by-case basis for the provision of community amenities, as part of a Phased Development Agreement; or
- allow amenity contributions either at the initiative of development applicants or as a result of rezoning negotiations between the applicant and the Township.

Respectfully submitted,

Chanpreet Kooner
CHIEF ADMINISTRATIVE OFFICER
for
MUNICIPAL ADMINISTRATION DIVISION

ATTACHMENT A Council Policy - Interim Policy Regarding Community Amenity Contributions

Township of Langley

Est. 1873

COUNCIL POLICY

INTERIM POLICY REGARDING COMMUNITY AMENITY CONTRIBUTIONS

POLICY NUMBER: 07-XX

EFFECTIVE DATE: 2025-XX-XX

1. Purpose

1.1 As staff may be aware, by a decision dated June 20, 2025, the Supreme Court of British Columbia decided that the Township's Community Amenity Contributions Policy No. 07-166 is invalid, in that it constituted a mandatory payment scheme beyond the Township's legal authority.[1]

The Township is in the course of preparing an Amenity Cost Charge (ACC) bylaw, which is expected to be in force prior to December 31 of this year.

2. Policy

2.1 Pending adoption of the ACC bylaw, and for applications which are not subject to the ACC bylaw, Council wishes to provide the following direction to staff, to ensure that any discussions or negotiations with applicants comply with the decision of the Supreme Court. Accordingly, staff are directed as follows:

1. Staff are at liberty to discuss with applicants the prospect of making amenity contributions to the Township, so long as such discussions are in accordance with this Interim Policy.

2. For development applications which involve Phased Development Agreements, the Township is entitled to include the provision of amenities as part of a Phased Development Agreement. The Township may also include amenities in an amenity zoning bylaw. Such amenities should be negotiated on a case-by-case basis, reflecting the circumstances and characteristics of the development in question, consistent with the provincial guidelines and case law.

3. For developments which do not involve a Phased Development Agreement or amenity zoning, any such contributions must be either at the initiative of the applicant/developer or emerge from rezoning negotiations between the applicant/developer and the Township. The Township does not have legal authority to impose mandatory payment requirements as a condition of rezoning.

Approval History

Approved 2025-xx-xx
Revised

[1] *Lorval Developments Ltd. v. Langley (Township),* 2025 BCSC 1148

Township of Langley
Est. 1873

REPORT TO
MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 - REGULAR MEETING	**REPORT:**	25-102
FROM:	PUBLIC WORKS DIVISION	**FILE:**	5460-01
SUBJECT:	VETERAN MEMORIAL CROSSWALKS		

RECOMMENDATIONS:

That Council endorse the installation of future decorative road markings at off-street locations, where possible, such as municipal boulevards or low-traffic pedestrian areas, to minimize maintenance costs and ensure compliance with national pedestrian crossing standards.

That Council authorize the installation of veteran memorial road markings at the Aldergrove Royal Canadian Legion's three driveway entrances, utilizing $20,000 from the Capital Projects Reserve, to be completed prior to Remembrance Day 2025, featuring a design with red and white stripes and a soldier silhouette.

That Council direct staff to include an annual base funding allocation of $25,000 in the 2026 budget process for Council's consideration for the maintenance, rehabilitation, and potential expansion of decorative road markings across the Township.

EXECUTIVE SUMMARY:

In response to Council's direction on November 4, 2024, to investigate options for veteran memorial crosswalks in the Township, staff have collaborated with the Royal Canadian Legion to propose a commemorative installation at the Aldergrove Legion. The design, incorporating red and white stripes with a soldier silhouette, would be placed at the Legion's three driveway entrances at a cost of $20,000, funded from the Capital Projects Reserve, with completion targeted before Remembrance Day 2025.

To ensure compliance with the Transportation Association of Canada (TAC) and Manual of Uniform Traffic Control Devices for Canada (MUTCDC) guidelines, staff recommend locating decorative markings in off-street areas, such as municipal boulevards or low-traffic pedestrian zones, to enhance durability, reduce maintenance costs, and maintain safety standards. An annual budget of $25,000, proposed for inclusion in the 2026 budget process for Council's consideration, would support the maintenance of existing decorative markings and facilitate limited new installations.

PURPOSE:

The purpose of this report is to provide Council with information and options regarding the installation of decorative road markings (i.e. crosswalks) throughout the Township and seek endorsement for installations being off road wherever possible.

BACKGROUND/HISTORY:

At the November 4, 2024, Regular Meeting, Council referred the following for a Report to Council regarding a new decorative and interpretive program for multiple sidewalks with potential options and potential designs for Council to consider:

> *Be it resolved that Council direct staff to report to Council on potential locations, designs and costs, in consultation with the Royal Canadian Legion, for the installation of a special crosswalk that honours our veterans, and to be considered for Remembrance Day 2025.*

DISCUSSION/ANALYSIS:

Standard Crosswalks:

Crosswalks installed within Township road allowances (on-street) must meet applicable national and municipal standards. While not mandated by law, these standards such as those found in the Transportation Association of Canada's (TAC) Pedestrian Crossing Control Guide and the Manual of Uniform Traffic Control Devices for Canada (MUTCDC) are considered best practices and are widely adopted across jurisdictions. For example, pedestrian crosswalks at controlled intersections (such as those with traffic signals or stop signs) are typically marked with standard white transverse lines to indicate the crossing area. At uncontrolled locations, a “zebra” or ladder-style design is often recommended to enhance visibility and pedestrian safety.

TAC's 2018 Pedestrian Crossing Control Guide provides a comprehensive framework for the consistent and safe implementation of pedestrian crossings across Canada. It integrates quantitative criteria with engineering judgment, offering a systematic approach for crossing controls. The guide includes a decision support tool that assists in selecting appropriate traffic control devices based on factors such as roadway characteristics, vehicular exposure, and pedestrian demand. Designed to complement the MUTCDC, it ensures consistency while allowing flexibility to accommodate local conditions.

The use of decorative crosswalks, such as those incorporating coloured patterns, symbols, or artwork within the crossing area, is not supported by the MUTCDC or the TAC guidelines. These treatments can conflict with the standardized appearance of crosswalks and may reduce their visibility or legibility for both drivers and pedestrians. Decorative elements can create confusion about the intended crossing location or interfere with the effectiveness of regulatory markings, particularly for individuals with visual impairments. For these reasons, national guidance recommends avoiding decorative treatments within the bounds of marked pedestrian crossings.

Current Decorative Sidewalks:

In recent years, the Township has installed several types of decorative road marking installations of varying designs and extents at multiple locations, as shown in Attachment A. Images of the crosswalks are provided for the following locations:

- Pencil Crosswalk – Gordon Greenwood Elementary School
- Rainbow Crosswalk – Fort Langley
- Decorative Crosswalk – McLeod Athletic Park
- Decorative Crosswalk – Aldergrove Community Centre
- Decorative Crosswalk – Langley Regional Airport
- Decorative Crosswalk – Langley Lane Greenway Walnut Grove
- Rainbow Crosswalk – Murrayville

These decorative pedestrian crossings are constructed with a durable road marking material called Methyl Methacrylate (MMA). A review of the current locations has shown that the current markings installed off-road or on low-volume roads have shown longer longevity, while those installed on roadways have required repairs caused by excessive vehicle travel or vandalism.

These installations have either been township-driven or requested through community groups that have covered the initial costs of the installation, such as the installation of the rainbow decorative crosswalks. Upkeep and maintenance are currently covered by operating budgets in the Public Works Division; however, funding is limited for renewing existing decorative crosswalks and would require increasing the current level of funding.

The cost for the installation of decorative crosswalks varies depending on design complexity, number of colours, size, and traffic control requirements. Typical full decorative crosswalks have been approximately three meters wide and from 6 to 11 meters long. Similar markings have cost approximately $5,000 to $8,000 per installation.

Future Decorative Sidewalks:

Given the national guidance that discourages the use of decorative elements within standard crosswalks, and based on the Township's experience with existing installations, future decorative treatments should be carefully planned to avoid conflicts with established pedestrian crossing standards. To ensure alignment with the TAC and the MUTCDC, decorative features should not be placed within active, on-road pedestrian crosswalks, particularly at controlled or uncontrolled intersections.

To balance public interest in decorative features with safety and regulatory requirements, it is recommended that future installations be located in off-street or low-exposure areas. Suitable locations may include driveway entrances, sidewalks across Township parking lots, multi-use pathway crossings, or plaza areas within municipal boulevards. These locations preserve opportunities for community expression while maintaining clarity for pedestrian and driver expectations on the roadway.

Off-street installations also experience less wear from heavy vehicle traffic, contributing to longer-lasting materials and reduced maintenance costs. Compared to roadway applications, these locations also typically require less complex traffic control during installation or renewal, reducing both cost and disruption.

Should future community-led requests arise, the Township can continue to support such initiatives provided they conform to this approach. This may include assisting with design coordination and identifying suitable locations. As with past installations, initial costs may continue to be covered by community groups or external funding sources, with maintenance responsibilities clearly defined based on-site conditions and long-term expectations.

To guide future requests and ensure consistent decision-making, the Township may also consider developing a formal decorative sidewalk guideline or policy, outlining design criteria, eligible locations, funding models, and maintenance provisions.

Veteran Memorial Decorative Markings:

In response to Council's direction, staff have identified the Royal Canadian Legion Branch in Aldergrove as a suitable location for a decorative Veterans-themed crosswalk. Preliminary discussions have taken place with representatives of the Legion, who have expressed support for the initiative and interest in collaborating on a commemorative design.

The site offers strong community significance and is well-suited for an off-street decorative treatment that aligns with national guidelines. Staff will continue to work with the Legion to refine potential design concepts, with the aim of completing the installation in advance of Remembrance Day 2025.

In addition, staff are exploring opportunities for additional decorative and interpretive treatments at other off-street or low-traffic pedestrian locations across the Township. Several potential sites have been identified, including driveway entrances, municipal facility walkways, park pathways, and civic plaza areas. The Langley Air Cadets at the Langley Regional Airport have expressed interest in markings around the airport, potentially at the entrances to the airport parking lots or on Skyway Street. This location could be considered for a future installation.

These locations provide safe opportunities for creative treatments without conflicting with national pedestrian crossing standards. Candidate sites and design options are being reviewed with consideration for safety, durability, visual impact, and alignment with the overall goals of the program. Cost estimates and concept designs will be brought forward for Council's consideration as part of the next phase of reporting.

Staff recommend proceeding with the Royal Canadian Legion Branch in Aldergrove as the preferred site for the Veterans-themed decorative crosswalk. Should Council agree with this recommendation, staff will continue to collaborate with the Legion to finalize design concepts and advance the project with the goal of completing the installation in time for Remembrance Day 2025.

Financial Implications:

Staff recommend that an annual operating budget request of $25,000 be included in the 2026–2029 Financial Plan for Council's consideration. This funding would support the maintenance of existing decorative road markings and allow for a limited number of new installations each year.

The proposed Veterans-themed decorative markings at the Aldergrove Legion are estimated at $20,000 and is recommended to be funded from the Capital Projects Reserve to enable completion before Remembrance Day 2025.

Community groups may also contribute to new installations through donations or external grants. This shared funding model has been used successfully in the past and can help reduce the Township's financial commitment.

Alternatively, Council may choose to fund all decorative road markings solely through community or grant funding, though this may limit the program's reach and consistency.

Respectfully submitted,

Brian Edey
ROADS OPERATIONS MANAGER
for
PUBLIC WORKS DIVISION

This report has been prepared in consultation with the following listed departments.

CONCURRENCES	
Division / Department	**Name**
FINANCE DIVISION	S. Ruff
ENGINEERING DIVISION	R. Welfing

ATTACHMENT A Sample of Existing Decorative Crosswalks

ATTACHMENT B Sample of Veteran Road Markings – Proposed

ATTACHMENT C Aldergrove Legion Draft of Veteran Road Markings – Proposed



Gordon Greenwood Elementary School



Fort Langley



McLeod Athletic Park



Aldergrove Community Center



Langley Regional Airport



Langley Lane Greenway Walnut Grove



Murrayville – RCMP / School Board office – 48A Ave / 222 St

South West Entrance



South East Entrance



North Entrance





Aldergrove Legion - Markings at each entrance for 2025

Township of Langley

Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 - REGULAR MEETING	**REPORT:**	25-101
FROM:	ENGINEERING DIVISION	**FILE:**	5460-04
SUBJECT:	CAPITAL REQUEST - 86 AVENUE AND GOLDENVIEW TRAIL CROSSWALK		

RECOMMENDATION:

That Council authorize the use of $42,000 for the construction of a pedestrian crosswalk at 86 Avenue and Goldenview Trail consisting of Rectangular Rapid Flashing Beacons (RRFB) on a pole and cantilever arm, a delineated curb bulge, zebra road markings and additional signage, funded by $30,500 from the Capital Projects Reserve, and $11,500 from TRN1001.

ANALYSIS:

Goldenview Trail is a key neighborhood greenway within Goldenview Park providing a continuous pedestrian connection between 84 Avenue and 86 Avenue. The trail is part of the Integrated Open Space network identified in the Carvolth Neighborhood Plan and serves as both a recreational corridor and a vital link between residential areas and transit-oriented development along 86 Avenue. The proposed pedestrian crossing at 86 Avenue will provide an alternative connection to the Carvolth Transit Exchange to support a more walkable, transit-orientated neighborhood.

On May 12, 2025, at the Regular Council Meeting, staff presented a memorandum outlining proposed traffic calming measures for 2025. Council amended the proposed traffic calming program by passing the following motion:

> *That the location of the crosswalk "Rank 8", Goldenview Park, in the memorandum be moved from 85 Avenue to 86 Avenue.*

The existing crosswalk at 85 Avenue and Goldenview Park was reviewed as part of the 2025 Traffic Calming Program. The 85 Avenue crosswalk was noted to be already equipped with curb bulges, letdowns, signage, and road markings, requiring only the addition of RRFB for enhancement.

In contrast, the existing location at 86 Avenue at Goldenview Park crosswalk lacks these roadside features, resulting in additional costs to implement a crosswalk at this location. Installing a crosswalk on 86 Avenue also necessitates the removal of on-street parking both before and after the crossing for sufficient sightlines at the crosswalk, with the amount of parking removal contingent on the option selected.

Staff reviewed three options for installing a new crosswalk at Goldenview Trail and 86 Avenue. Below is an overview of key components of each option:

Option 1:

Install RRFB and remove on-street parking: The work includes RRFB installation, removal of on-street parking on both sides and installation of zebra road markings.



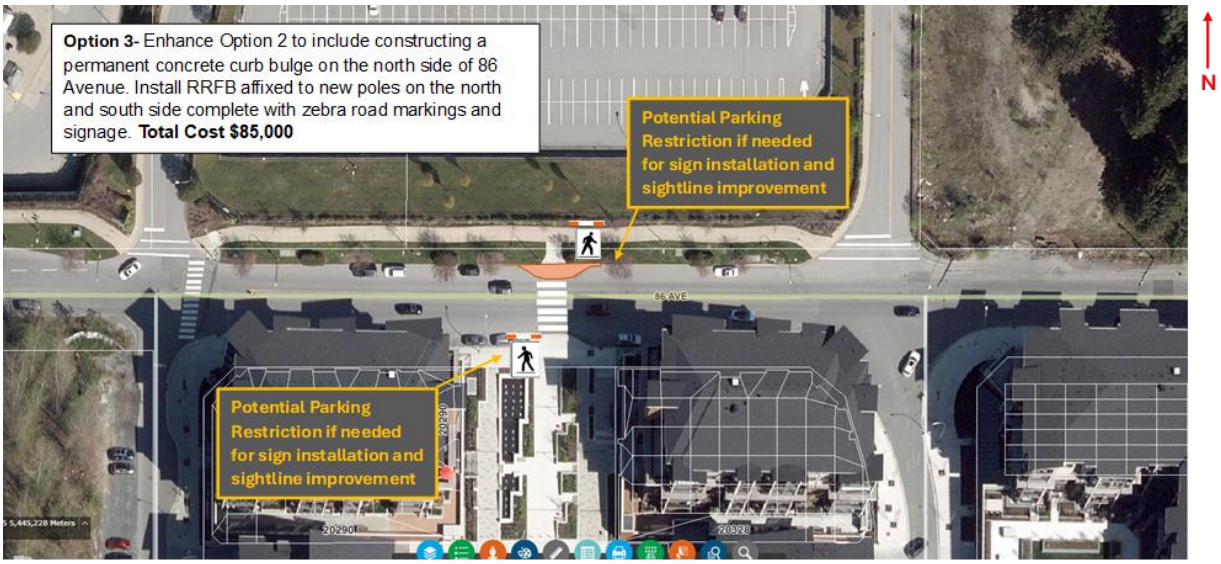
Option 2:

Install RRFB on a pole and cantilever arm with zebra marking and a delineated curb bulge using delineators: The work includes RRFB installation on a pole and cantilever arm on the north side to enhance visibility, a delineated curb bulge, zebra road markings and additional signage. The design requires minimal on-street parking removal to accommodate the new crosswalk.



Option 3:

Install RRFB on poles with zebra marking and a concrete curb bulge: The work includes RRFB installation on poles on the north and south side of 86 Avenue, a concrete curb bulge, zebra road markings and additional signage. The design requires minimal on-street parking removal to accommodate the new crosswalk. The concrete curb bulge on the north side requires detailed design of the roadway, boulevard and drainage infrastructure modifications.



Staff further evaluated the options by assessing their advantages and disadvantages in relation to key factors, including project objectives, safety improvements, impact to existing infrastructure and estimated costs as shown in table below:

Option	Total Cost Estimate	Advantages	Disadvantages
Option 1: Install RRFB and remove on-street parking	$20,000	• Low cost • Minimal impact to existing infrastructure	• Longest pedestrian crossing • Significant reduction of on-street parking
Option 2: Install RRFB on a pole and cantilever arm with zebra marking and a delineated curb bulge using delineators	$42,000	• Minimal impact to existing infrastructure • Easy implementation • Shorter pedestrian crossing	• Medium cost • Minor reduction in on-street parking
Option 3: Install RRFB on poles with zebra marking and a concrete curb bulge	$85,000	• Shorter pedestrian crossing • Improved pedestrian visibility	• High cost • Requires detailed design • Requires road and boulevard reconstruction and drainage modification • Minor reduction in on-street parking

Staff recommend implementing Option 2, which includes the installation of RRFB on a pole and cantilever arm to enhance visibility, a curb bulge using delineator posts, zebra road markings, and additional signage. This option enhances pedestrian safety, minimizes infrastructure impacts while retaining most of the existing on-street parking. The delineated curb bulge could be converted to a concrete curb bulge at a later date.

Financial Implications:

Staff propose $42,000 to construct the pedestrian crosswalk at 86 Avenue and Goldenview Trail, including RRFB on a pole and cantilever arm, a delineated curb bulge, zebra road markings and additional signage, funded $30,500 from the Capital Projects Reserve and $11,500 from TRN1001.

Further details are presented in the tables below for Council's consideration.

Township of Langley Capital Project Description						
Project Title:	86 Avenue and Goldenview Trail Crosswalk					
	CFWD 2024	2025	2026	2027	2028	2029
Requested Amount		$30,500				
Budget Remaining		$11,500				
Total Projected Cost		$42,000				
Project Description	Implement pedestrian improvement measures at 86 Avenue and Goldenview Trail crossing					
Project Justification and Consequences of Not Proceeding	The new crosswalk will provide a safe crossing at this location.					

Project Priority Ranking (please circle applicable ranking)	**Critical**	**High**	**Medium**	**Low**
	• risk to health and safety • legislative obligation • imminent loss of an asset	• deterioration or obsolescence • leverage external funding • emergent conditions	• extend the life of an asset • desirable new infrastructure • social, cultural and aesthetic value • cost effective to replace or repair now	• action recommended in studies / reports • promotes inter-municipal cooperation

Length of Project (years):	1	Initial Year of Approval:	2025

Township of Langley Capital Project Description						
Project Title: 86 Avenue and Goldenview Trail Crosswalk						
Proposed Funding Sources						
Proposed Funding Sources	CFWD 2024	2025	2026	2027	2028	2029
Reserve Future Capital Expenditure						
Operating Revenue						
Capital Projects Reserve		$30,500				
Federal / Provincial / Other Grants						
Development Cost Charges						
TRN1001		$11,500				
Debt						
TransLink						
ICBC						
Other:_____						
Total Currently Funded		**$42,000**				

Total Currently Unfunded						

Respectfully submitted,

Daniel Suh
PROJECT ENGINEER
for
ENGINEERING DIVISION

This report has been prepared in consultation with the following listed departments.

CONCURRENCES	
Division / Department	**Name**
FINANCE DIVISION	S. Ruff

Township of Langley
Est. 1873

REPORT TO
MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 – REGULAR MEETING	**REPORT:**	25-107
FROM:	INFORMATION TECHNOLOGY DIVISION	**FILE:**	1010-01
SUBJECT:	CAPITAL REQUEST – IT EQUIPMENT REPLACEMENTS		

RECOMMENDATION:

That Council authorize the use of up to $250,000 from the Capital Projects Reserve and $100,000 from the IT Equipment Replacement Reserve for the replacement of 158 computers used by staff in the delivery of services to the public.

EXECUTIVE SUMMARY:

The IT Division proactively replaces desktop and laptop computers that have been in use for a minimum of four years. Replacement on a scheduled basis ensures employees have access to up-to-date hardware that supports the latest software and applications. Outdated hardware can impact employee productivity due to slow performance and increased downtime. Applications are continuously updated, requiring faster processors and more memory. Windows 11 requires more powerful computers than Windows 10. Providing employees with newer and faster computers supports productivity. There are over 800 computers in use across the Township with 158 scheduled for replacement in 2025: 78 laptops and 80 desktops.

Financial Implications:

The IT Division is requesting $350,000 for the purchase of 158 laptop and desktop computers.

Township of Langley Capital Project Description						
Project Title:	IT Equipment Replacements					
	CFWD 2024	2025	2026	2027	2028	2029
Requested Amount		$350,000				
Budget Remaining						
Total Projected Cost		$350,000				

Project Description *(Phased Project)	Replacement of laptop and desktop computers.
Project Justification and Consequences of Not Proceeding *(Phased Project)	Ensure staff have up-to-date desktops and laptops supporting the latest software and IT security updates. Outdated hardware can impact employee productivity due to slower speeds, increased user downtime, and IT support costs.

Project Priority Ranking (please circle applicable ranking)	**Critical**	**High** (circled)	**Medium**	**Low**
	• risk to health and safety • legislative obligation • imminent loss of an asset	• deterioration or obsolescence • leverage external funding • emergent conditions	• extend the life of an asset • desirable new infrastructure • social, cultural and aesthetic value • cost effective to replace or repair now	• action recommended in studies / reports • promotes inter-municipal cooperation

Length of Project (years):	Ongoing	Initial Year of Approval:	Ongoing

Township of Langley Capital Project Description						
Project Title:	IT Equipment Replacements					
Proposed Funding Sources						
Proposed Funding Sources	CFWD 2024	2025	2026	2027	2028	2029
Reserve Future Capital Expenditure						
Operating Revenue						
Prior Year's Surplus						
Federal / Provincial / Other Grants						
Development Cost Charges						
Reserve: Capital Projects Reserve		250,000				
Reserve: IT Equipment Replacement Reserve		100,000				
TransLink						
ICBC						
Other:_____						
Total Currently Funded		**$350,000**				

Total Currently Unfunded						

Estimated Annual Operating Impact	
Climate Action Category	
Climate Action ID	

Respectfully submitted,

Jim Makela
DIRECTOR, INFORMATION TECHNOLOGY
for
INFORMATION TECHNOLOGY DIVISION

This report has been prepared in consultation with the following listed departments.

CONCURRENCES	
Division / Department	**Name**
FINANCE DIVISION	Sandra Ruff

Township of Langley
Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 – REGULAR MEETING	**REPORT:**	25-104
FROM:	COMMUNITY DEVELOPMENT DIVISION	**FILE:**	08-34-0085
SUBJECT:	DEVELOPMENT VARIANCE PERMIT APPLICATION NO. 100185 (UNIFIRST CANADA LTD. / 9189 - 196A STREET)		

PROPOSAL:

Development Variance Permit application to vary Section 702.5 a) – Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 to reduce the minimum setback from the front lot line from 10.0 m (32.8 ft) to 7.0 m (23.0 ft) to allow for a 361 m^2 (3,886 ft^2) building addition at 9189 - 196A Street.

RECOMMENDATION SUMMARY

That Council issue Development Variance Permit No. 100185.

RATIONALE:

The proposed variance would permit the siting of a building within the front lot line setback to facilitate a 361 m^2 (3,886 ft^2) building addition at the northeast portion of the building at 9189 - 196A Street.

RECOMMENDATION:

That Council authorize issuance of Development Variance Permit No. 100185 for property located at 9189 - 196A Street subject to the following:

a. Section 702.5 a) - Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 being varied to reduce the setback from the front lot line from 10.0 m to 7.0 m to allow for a 361 m^2 (3,886 ft^2) building addition at 9189 - 196A Street as shown in Schedule “A”.
b. Building plans being in substantial compliance with Schedule “A”.
c. Landscape plans being in substantial compliance with Schedule “B”.

EXECUTIVE SUMMARY:

The applicant is seeking a variance to Section 702.5 a) - Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 to reduce the minimum setback from the front lot line from 10.0 m (32.8 ft) to 7.0 m (23.0 ft) to permit the siting of a new 361 m^2 (3,886 ft^2) building addition in the front lot line siting setback at the northeast portion of the building at 9189 - 196A Street. Staff recommend that Council consider issuance of Development Variance Permit No. 100185 provided as Attachment A to this report.

PURPOSE:

The purpose of this report is to provide information to Council regarding proposed Development Variance Permit No. 100185 for property at 9189 - 196A Street.

REFERENCE:

Owner:	Unifirst Canada Ltd. 5250 Orbitor Drive Mississauga, ON L4W 5G7
Agent:	SK Architect Inc. 4120, 853 Seaborne Avenue Port Coquitlam, BC V3B 0N9
Location:	9189 - 196A Street
Legal Description:	Lot A (AD217273) Section 34 Township 8 New Westminster District Plan 86278
Area:	1.0 ha (2.5 ac)
Existing Zoning:	General Industrial Zone M-2
Official Community Plan:	Industrial

BACKGROUND/HISTORY:

- The subject property (1.0 ha (2.5 ac)) is zoned General Industrial Zone M-2 and designated Industrial in the Langley Official Community Plan.
- The subject property accommodates an existing 3,694 m^2 (39,761 ft^2) industrial building for an industrial laundry facility operated by UniFirst Corporation, a uniform rental and facility service company that provides uniforms and protective clothing to various businesses and industries.

DISCUSSION/ANALYSIS:

- The applicant proposes a 361 m^2 (3,886 ft^2) building addition to the northeast portion of the building that requires a variance to reduce the setback from the front lot line requirements in the General Industrial Zone M-2 from 10.0 m (32.8 ft) to 7.0 m (23.0 ft).
- As the subject site is not located within a Development Permit Area, there is no development permit associated with this application.
- The proposed 361 m^2 (3,886 ft^2) building addition consists of a 170 m^2 (1,830 ft^2) office addition and 191 m^2 (2,056 ft^2) plant addition in the northeast corner of the site.
- Per Section 107 of the Zoning Bylaw, 34 parking stalls are required to accommodate the existing building and proposed addition with 38 parking spaces proposed.
- The applicant proposes to enhance the existing landscaping along 92 Avenue to screen a new loading area associated with the proposed addition. The applicant is also enhancing the existing landscaping in the southeast corner of the site where new parking spaces are proposed.

Adjacent Uses:

	Existing Use:	Official Community Plan Designation:	Existing Zoning:
North:	92A Avenue, beyond which is an existing industrial property	Industrial	Industrial Zone M-2
South:	Existing industrial property	Industrial	Industrial Zone M-2

East:	196A Street, beyond which are existing industrial properties	Industrial	Industrial Zone M-2
West:	Existing City of Surrey industrial property	City of Surrey Industrial land use designation	City of Surrey Light Impact Industrial Zone IL

Proposed Variance:

- The applicant proposes to vary Section 702.5 a) - Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 to reduce the minimum setback from the front lot line from 10.0 m (32.8 ft) to 7.0 m (23.0 ft) to permit the siting of a new 361 m^2 (3,886 ft^2) building addition.
- Proposed Development Variance Permit No. 100185 is included as Attachment A.
- The applicant proposes to enhance the existing landscape by incorporating layered plantings and shrubs of varying heights to improve visual screening from the street; additionally, a 3.0 m (10.0 ft) corrugated metal fence, finished to match the building, has been provided to further screen the loading bay located in the front yard.
- The applicant has provided the attached letter (Attachment C) in support of their request to reduce the minimum setback from the front lot line from 10.0 m (32.8 ft) to 7.0 m (23.0 ft) including the following rationale:

  "*The reasoning for the Building Addition's location is due to the operational requirements of the Facility and the area required for Vehicle Access.*

  UniFirst Canada's facility requires what is referred to as a "Clean Side" and a "Dirty Side." This requires that one side of the facility has separate bays than the other to prevent contamination of clean products. This requirement means that the proposed loading bays must be installed on the Northern Portion of the Facility. To operate this facility, UniFirst Canada requires 3 Loading Bays, that will be used throughout the day for UniFirst's box trucks, and 1 Loading Dock, of which will be used before business hours in the early morning. This is required to be on the Northern side of the site in addition to the existing loading areas on the Southern side. The minimum area required for these bays extends past the existing Front-Setback of 10.0 m.

  To accommodate for the Variance, this proposal will provide a roughly 10' high screening fence capable of screening UniFirst's box trucks throughout the day. In addition, landscape has implemented shrubs reaching a height of up to 12' at maturity. The design of the screening wall is to be a corrugated metal fence, using the same corrugated metal as the facility."

	General Industrial Zone M-2 Requirements	**Proposed**
Minimum Front Lot Line Siting Building Setback:	10.0 m	7.0 m
Minimum Interior Lot Line Siting Building Setback:	0.0 m	15.21 m (Existing to Remain)
Minimum Rear Lot Line Siting Building Setback:	0.0 m	36.65 m (Existing to Remain)
Minimum Flanking Street Lot Line Siting Building Setback:	5.0 m	8.94 m (Existing to Remain)

Policy Considerations:

Development Variance Permit No. 100185 proposes to vary Section 702.5 a) - Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 to reduce the minimum setback from the front lot line from 10.0 m (32.8 ft) to 7.0 m (23.0 ft) to permit the siting of a new 361 m^2 (3,886 ft^2) building addition at the northeast corner of 9189 - 196A Street. The proposed development is consistent with the overall objectives of the Official Community Plan.

Staff recommend that Council issue Development Variance Permit No. 100185 provided as Attachment A.

Respectfully submitted,

Alexandra Heinen
DEVELOPMENT PLANNER
for
COMMUNITY DEVELOPMENT DIVISION

ATTACHMENT A	Development Variance Permit No. 100185
ATTACHMENT B	Maps and Graphics
ATTACHMENT C	Rationale Letter

THE CORPORATION OF THE TOWNSHIP OF LANGLEY **ATTACHMENT A**

Development Variance Permit No. 100185

This Permit is issued this _____day of _____, 2025 to:

1. NAME: Unifirst Canada Ltd.

   ADDRESS: 5250 Orbitor Drive
   Mississauga, ON L4W 5G7

2. This permit applies to and only to those lands within the Municipality described as follows and to any and all buildings, structures and other development thereon:

   LEGAL DESCRIPTION: Lot A (AD217273) Section 34 Township 8 New Westminster District Plan 86278

   CIVIC ADDRESS: 9189 - 196A Street

3. This Permit is issued subject to compliance with all of the Bylaws of the Municipality of Langley applicable thereto, except as specifically varied or supplemented by this permit as follows:

   a. Section 702.5 a) - Siting of Buildings and Structures of the Township of Langley Zoning Bylaw 1987 No. 2500 being varied to reduce the setback from the front lot line from 10.0 m to 7.0 m to allow for a 361 m^2 (3,886 ft^2) building addition at 9189 - 196A Street as shown in Schedule “A”.
   b. Building plans being in substantial compliance with Schedule “A”.
   c. Landscape plans being in substantial compliance with Schedule “B”.

4. The land described herein shall be developed strictly in accordance with the terms, conditions and provisions of this Permit.

   This Permit is not a Building Permit.

   All developments forming part of this Development Variance Permit shall be substantially commenced within two years after the date the Development Variance Permit is issued.

   This permit shall have the force and effect of a restrictive covenant running with the land and shall come into force on the date of an authorizing resolution passed by Council.

   It is understood and agreed that the Municipality has made no representations, covenants, warranties, guarantees, promises or agreement (verbal or otherwise) with the developer other than those in this Permit.

   This Permit shall enure to the benefit of and be binding upon the parties hereto and their respective heirs, executors, administrators, successors and assigns.

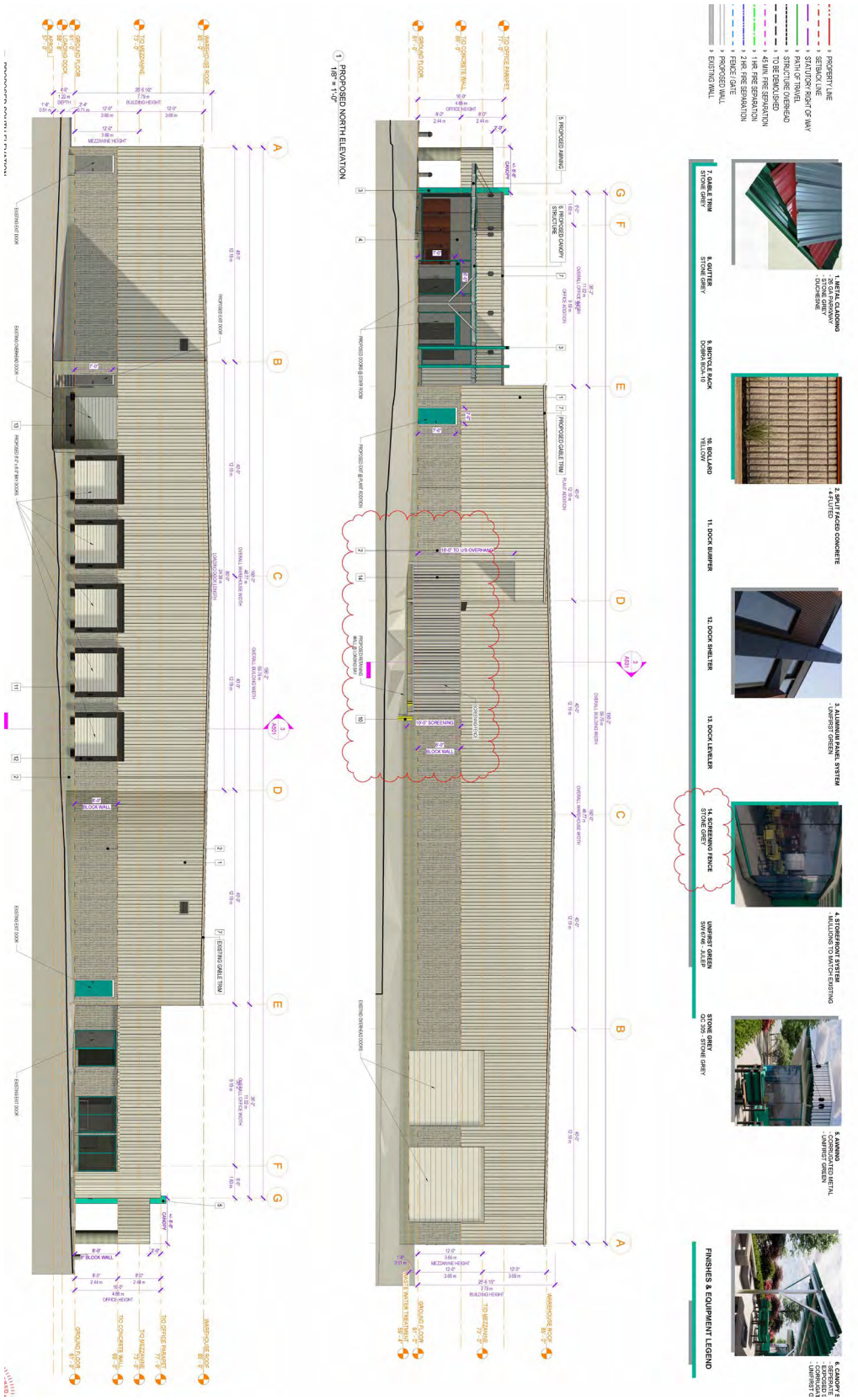
   AUTHORIZING RESOLUTION PASSED BY COUNCIL THIS ____ DAY OF _____, 2025.

   Attachments:
   SCHEDULE A Architectural Plans
   SCHEDULE B Landscape Plans

SCHEDULE A



SITE PLAN



BUILDING ELEVATIONS (NORTH & SOUTH)



BUILDING ELEVATIONS (EAST & WEST)

SCHEDULE B



LANDSCAPE PLAN



PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE / REMARKS
CC	35	COTINUS COGGYGRIA 'VELVETERY'	COPPICE SMOKE BUSH	#2 POT, 50CM
R	11	RHODODENDRON 'ROSEIR ELEGANS'	ROSEIR ELEGANS RHODODENDRON	#5 POT, 60CM
S	29	SPIRAEA X BRALDA 'GOLDFLAME'	GOLDFLAME SPIREA	#2 POT, 40CM
T	1	TAXUS X MEDIA 'HICKSII'	HICKS YEW	#5 POT, 60CM
V	42	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	#5 POT, 60CM
GRASS	61	FESTUCA CAREXA 'ELIJAH BLUE'	BLUE FESCUE	#1 POT
F	46	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	#1 POT
PERENNIAL	61	ACHILLEA 'MOONSHINE BEAUTY'	MEADOW SWEET / YARROW VARIETY	#1 POT, 5-5 SYE
GA	75	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	#1 POT, 22CM
PO	70	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	#1 POT, 22CM

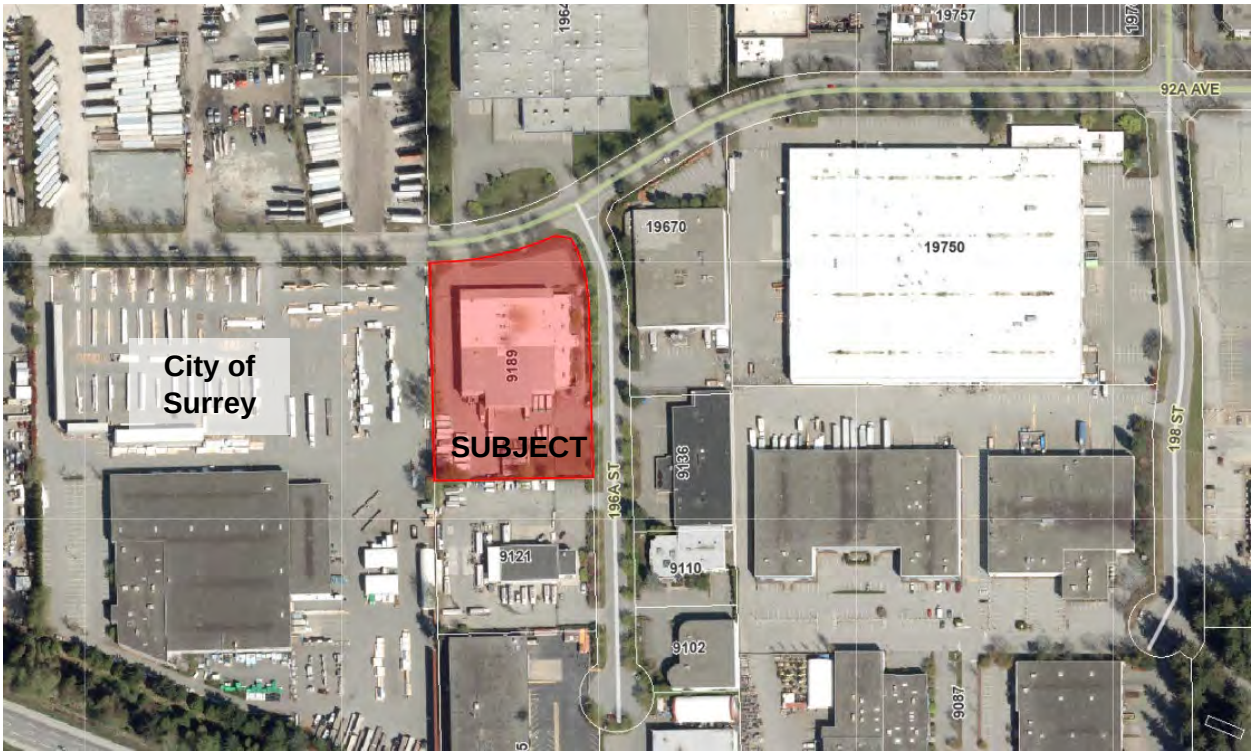
NOTES: • PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD LATEST EDITION. CONTAINER SIZES SPECIFIED AS PER MEASUREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. • SEARCH AND REVIEW 'MAKE PLAN' HYPERLINK, AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT PRIOR TO ORDERING ANY SUBSTITUTIONS. • ALL PLANT MATERIAL SHALL BE SUPPLIED FROM CERTIFIED DISEASE FREE NURSERY STOCK. • ALL PLANTS SHALL BE TRUE TO SPECIES AND VARIETY AS SPECIFIED. ANY APPROVAL PRIOR THE LANDSCAPE ARCHITECT PRIOR TO ORDERING ANY SUBSTITUTIONS. • ALL PLANTS SHALL BE TRUE TO THE SPECIFIED BOTANICAL NAME. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. • PROVIDE NURSERY INVENTORY FOR REQUEST TO SUBSTITUTE. SUBSTITUTIONS ARE SELECT TO BE LANDSCAPE STANDARD - DEFINITION OF CONDITIONS OF AVAILABILITY.

ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DISEASE FREE NURSERY. PROVIDE CERTIFICATION UPON REQUEST.

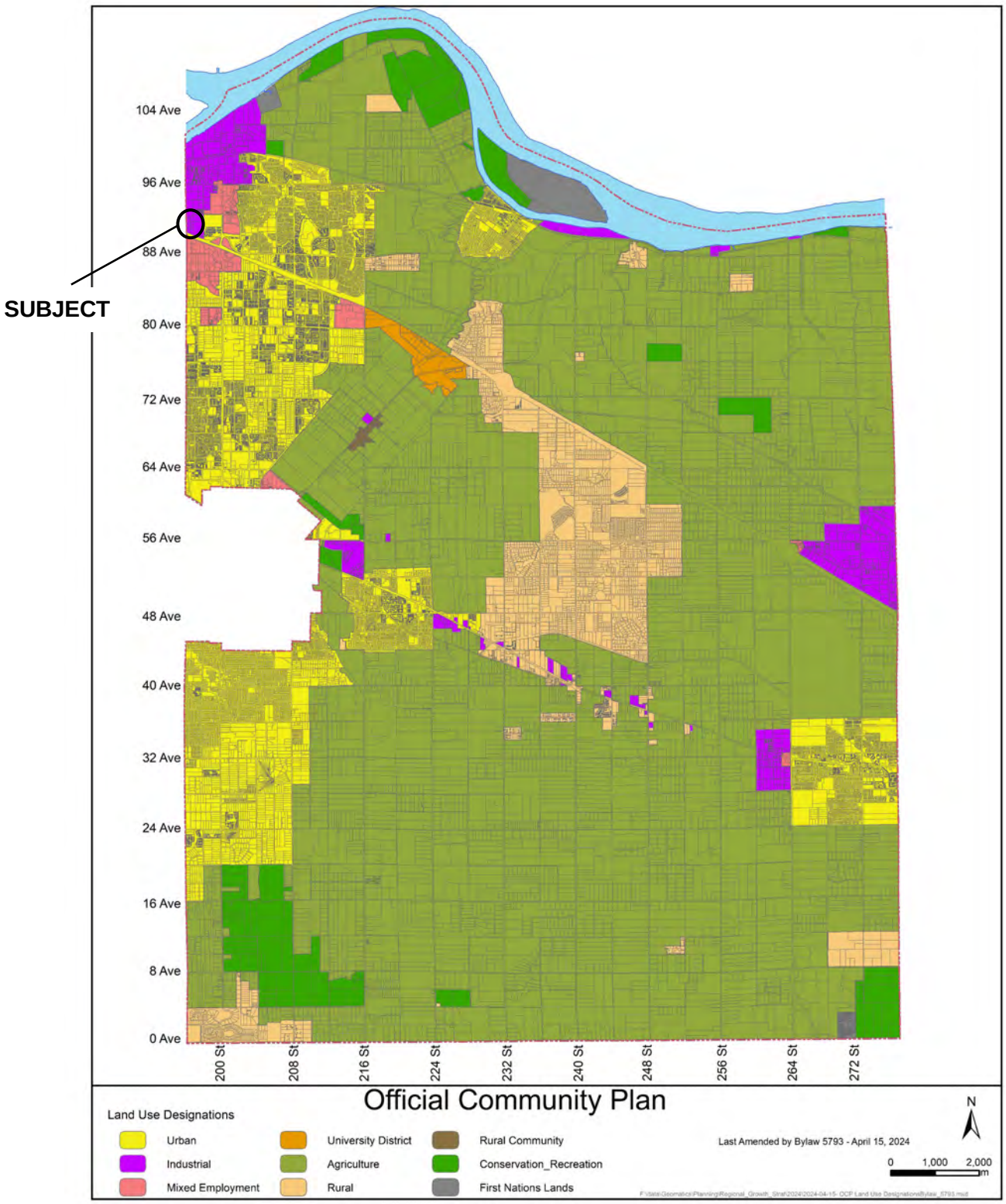
MB JOB NUMBER: 24-042

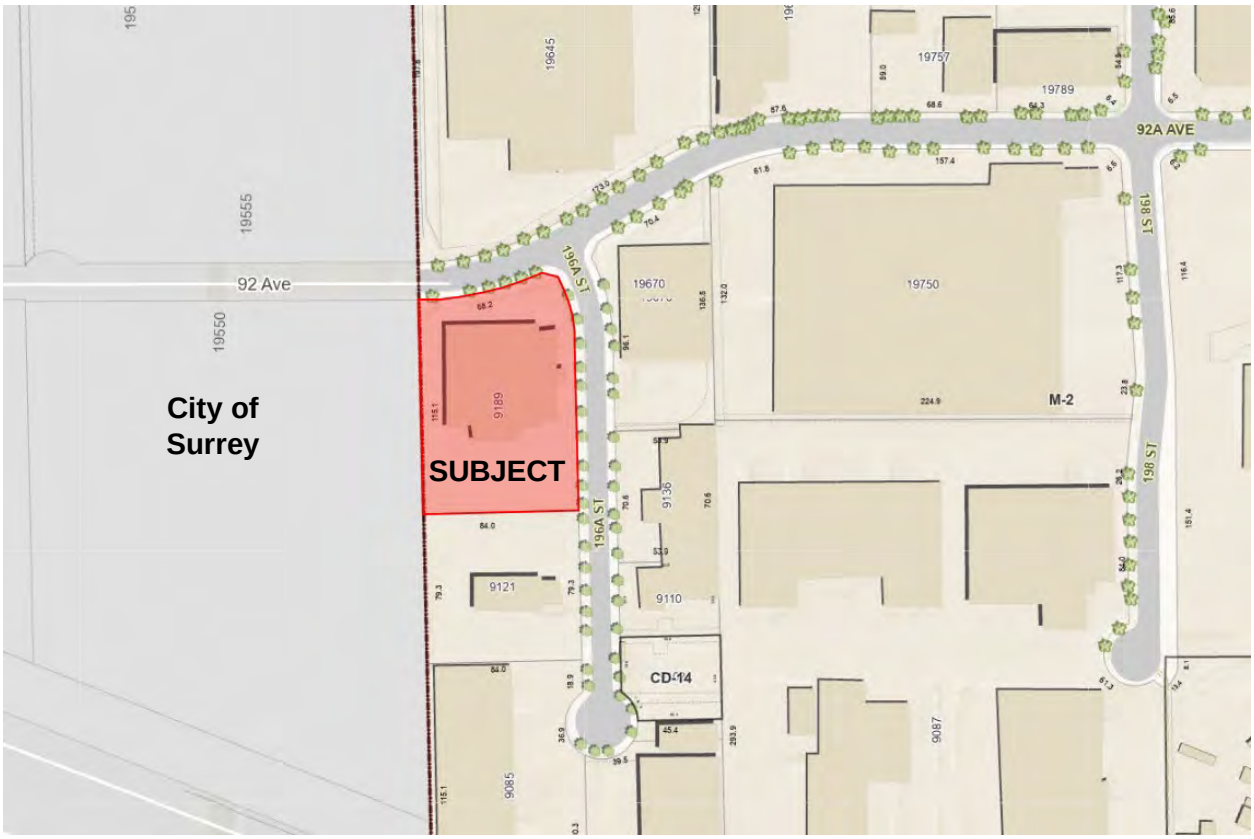
PLANTING PLAN

ATTACHMENT B



AERIAL CONTEXT MAP

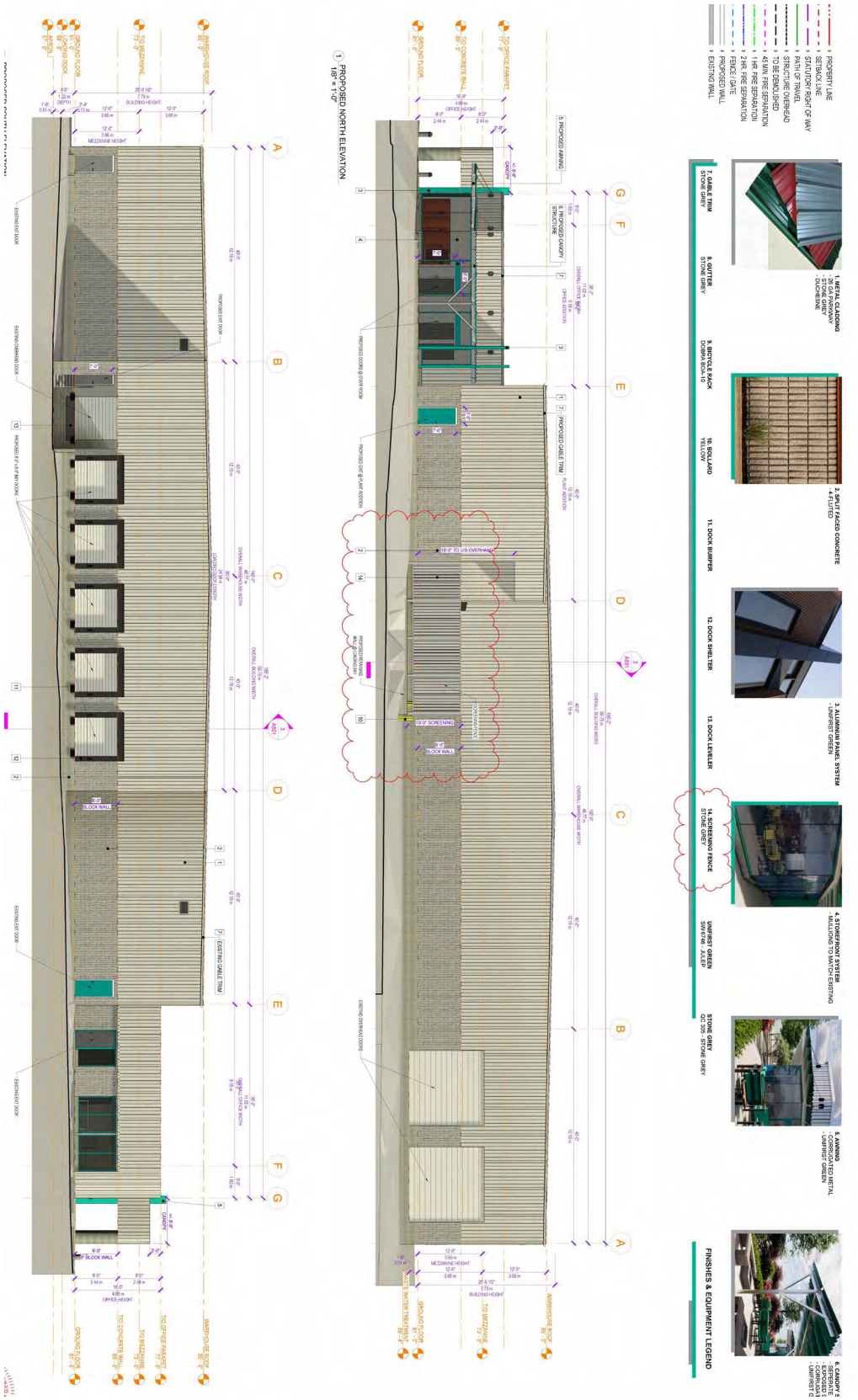

SUBJECT
104 Ave
96 Ave
88 Ave
80 Ave
72 Ave
64 Ave
56 Ave
48 Ave
40 Ave
32 Ave
24 Ave
16 Ave
8 Ave
0 Ave
200 St
208 St
216 St
224 St
232 St
240 St
248 St
256 St
264 St
272 St
Official Community Plan
Land Use Designations
Urban
Industrial
Mixed Employment
University District
Agriculture
Rural
Rural Community
Conservation_Recreation
First Nations Lands
Last Amended by Bylaw 5793 - April 15, 2024
N
0
1,000
2,000
m



ZONING BYLAW NO. 2500



SITE PLAN – SUBMITTED BY APPLICANT



BUILDING ELEVATIONS (NORTH & SOUTH) – SUBMITTED BY APPLICANT



BUILDING ELEVATIONS (EAST & WEST) – SUBMITTED BY APPLICANT

SKArchitect inc.

SKArchitectinc. E.7
4120 – 853 Seaborne Avenue
Port Coquitlam, BC V3B 0N9
T (778) 806-1657
M (604) 516-9953
www.skarchitect.ca

ATTACHMENT C

Building & Development
20338 – 65 Avenue,
Langley, BC V2Y 3J1

Rationale Letter (Revised)
Project: SKA 24049 / Folder: DV100185 / DP No. 08-34-0085
Address: 9189 196A Street, Langley

RE: File Review for Project No. 08-34-0085 / UniFirst Canada Ltd

To whom it may concern,

The purpose of this letter is to provide our rationale on the proposed Front-Setback variance of a 3.0 m reduction along 92A Ave.

The aim of the variance is to reduce the 10.0 m Front-Setback required by Section 702.5a of the Langley Township Zoning Bylaw Zone M-2 to a setback of 7.0 m. The proposed Building Addition, of which will be the only proposed structure within this Variance, proposes a Front Setback of approximately 7.57 m. The reasoning for the Building Addition's location is due to the operational requirements of the Facility and the area required for Vehicle Access shown below.

Facility Operations:

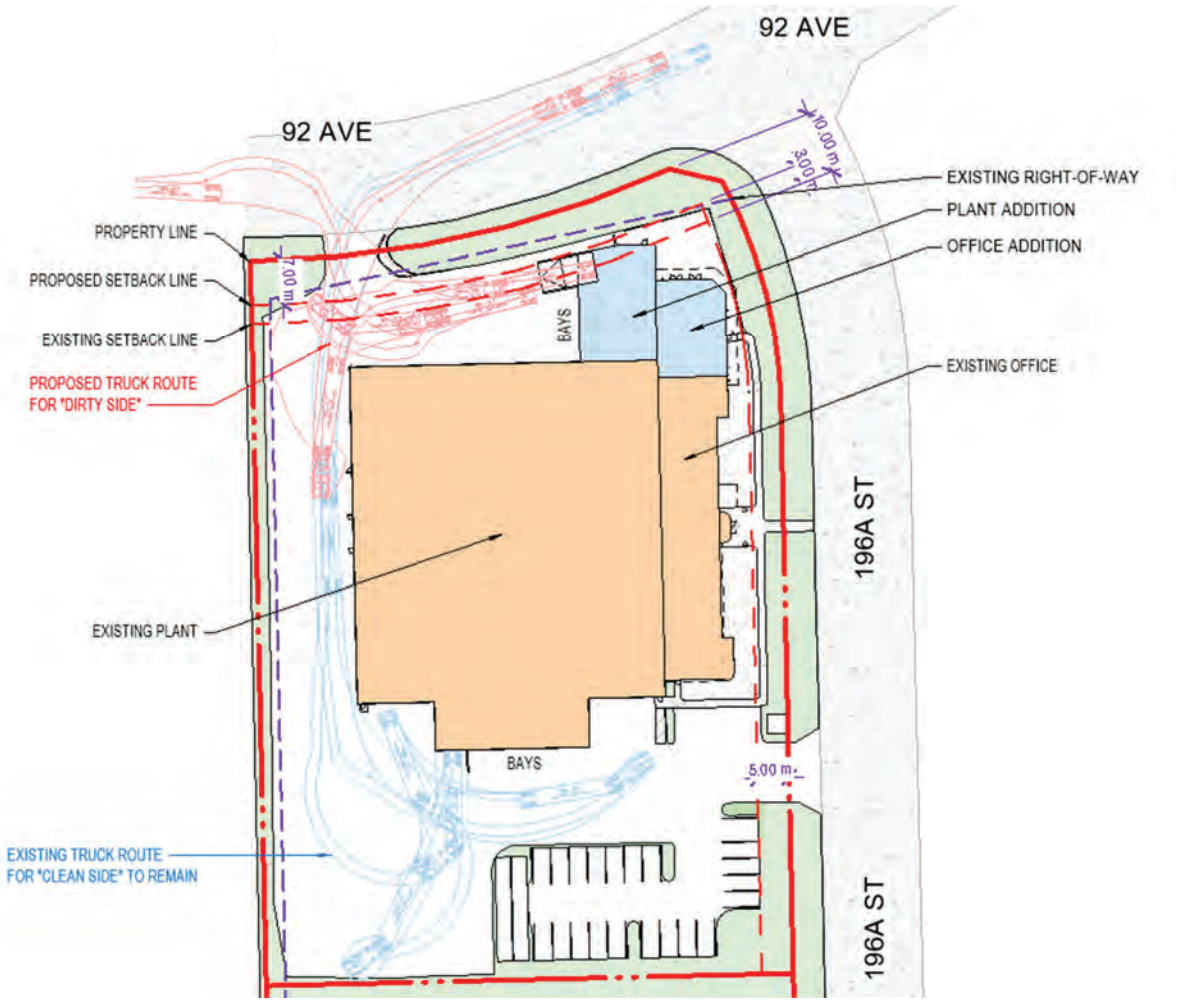
UniFirst Canada's facility requires what is referred to as a "Clean Side" and a "Dirty Side." This requires that one side of the facility has separate bays than the other to prevent contamination of clean products. This requirement means that the proposed loading bays must be installed on the Northern Portion of the Facility. To operate this facility, UniFirst Canada requires 3 Loading Bays, that will be used throughout the day for UniFirst's box trucks, and 1 Loading Dock, of which will be used before business hours in the early morning. This is required to be on the Northern side of the site in addition to the existing loading areas on the Southern side. The minimum area required for these bays extends past the existing Front-Setback of 10.0 m. Reducing this setback to 7.0 m would allow for the proposed 7.57 m proposed setback to the building addition and allow room for margin.

Vehicle Access:

An image displayed below illustrates the path of which a truck would require to safely maneuver the vehicle into the existing and proposed bays. This highlights the complications in locating the Building Addition elsewhere on the site and displays the rationale of the proposed Building Addition location and Loading Dock orientation. If placed elsewhere, the vehicles would not have the required clearances to successfully and safely dock.

[Image on next page]

SKArchitect inc.
4120 – 853 Seaborne Avenue
Port Coquitlam, BC V3B 0N9
T (778) 806-1657
M (604) 516-9953
www.skarchitect.ca



RED displays the Truck Route to the Proposed Bay(s).
BLUE displays the Truck Route to the Existing Bay(s).

Accommodation:

To accommodate for the Variance, this proposal will provide a roughly 10' high screening fence capable of screening UniFirst's box trucks throughout the day. In addition, landscape has implemented shrubs reaching a height of up to 12' at maturity. The design of the screening wall is to be a corrugated metal fence, using the same corrugated metal as the facility. Structural elements will replicate similar design elements to the adjacent office addition and canopy. It is important to note that the entirety of the proposed variance is within existing asphalt and will not be hindering the existing landscaped area. The requirements for Section 111.3 are not to be affected by this Variance. All Right-of-Ways are to be unaffected by this Variance.

Yours very truly,

SK Architect Inc.
Port Coquitlam, BC

REGISTERED ARCHITECT
SANG YUN KIM
2025-06-18
BRITISH COLUMBIA

Township of Langley

Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 – REGULAR MEETING	**REPORT:**	25-103
FROM:	COMMUNITY DEVELOPMENT DIVISION	**FILE:**	08-22-0116
SUBJECT:	HOUSING AGREEMENT (TOWNSHIP OF LANGLEY / 7883 - 199 STREET)		

RECOMMENDATION:

That Council grant first, second and third reading to Township of Langley Housing Agreement (Township of Langley Housing Trust Society – 199 Street Site) Bylaw No. 6148.

EXECUTIVE SUMMARY:

On May 26, 2025, Council issued Development Permit No. 101471 to the Township of Langley to facilitate the development of 122 apartment units.

At the May 26, 2025 Meeting, Council, through resolution, waived the payment of Township of Langley Development Cost Charges (DCC) pursuant to DCC Waiver Bylaw No. 5901 as the project qualifies as an Eligible Development. The applicant is seeking a further waiver for Metro Vancouver Development Cost Charges and TransLink Development Cost Charges which require establishment of a Housing Agreement.

PURPOSE:

The purpose of this report is to provide information and recommendation regarding Bylaw No. 6148.

BACKGROUND/HISTORY:

- On January 29, 2024, Council adopted Bylaw No. 5941 to increase the allowable density of the subject site from 1.4 to 1.56 FSR and Bylaw No. 5942 to rezone the property to Comprehensive Development Zone CD-196 to accommodate a future apartment development.
- On May 26, 2025, with the issuance of Development Permit No. 101471 to facilitate the development of a 6-storey building containing 122 apartment units, Council waived the Township of Langley DCCs applicable to the development as it qualified as an Eligible Development pursuant to Bylaw No. 5901.
- The subject site is being developed in partnership with the Province of British Columbia as part of the BC Builds program that assists municipal governments to build rental homes.

DISCUSSION/ANALYSIS:

- Township DCCs are regulated through the Development Cost Charges Bylaw (as amended) and through the accompanying DCC program. The Township's DCC Waiver Bylaw No. 5901 allows eligible developments to qualify for a waiver from payment of these charges.
- As part of the Township's DCC program, the Township also collects DCCs on behalf of Metro Vancouver (water, liquid waste, parks), TransLink and the School Board.
- The Township is seeking a DCC waiver for Metro Vancouver and TransLink payable DCCs as it qualifies as an Eligible Development for waivers from each organization. To qualify for the waiver, registration and establishment of a Housing Agreement is required.
- Pursuant to Section 483 of the *Local Government Act* a Housing Agreement authorizes agreement terms and conditions regarding the housing units identified in the agreement including but not limited to: the form and tenure of the units; availability to classes of persons identified in the agreement; and administration of the units and rates.
- Provision of a housing agreement is consistent with Township of Langley / BC Builds project approvals for 3000 Block of 272 Street Bylaw No. 6125 and 20230 – 72B Avenue Bylaw No. 6126.

Policy Considerations:

Staff recommend Council consider Housing Agreement Bylaw No. 6148 for first, second and third reading.

Respectfully submitted,

Colin Moore
SENIOR PLANNER
for
COMMUNITY DEVELOPMENT DIVISION

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TOWNSHIP OF LANGLEY HOUSING AGREEMENT
(TOWNSHIP OF LANGLEY HOUSING TRUST SOCIETY – 199 STREET SITE)
BYLAW NO. 6148

EXPLANATORY NOTE

Bylaw No. 6148 authorizes The Corporation of the Township of Langley to enter into a housing agreement with the Township of Langley Housing Trust Society to secure rental housing and affordable rental units on the subject property located at 7883 - 199 Street.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TOWNSHIP OF LANGLEY HOUSING AGREEMENT

(TOWNSHIP OF LANGLEY HOUSING TRUST SOCIETY – 199 STREET SITE)

BYLAW NO. 6148

A Bylaw to authorize a Housing Agreement.

The Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

1. This Bylaw may be cited for all purposes as the "Township of Langley Housing Agreement (Township of Langley Housing Trust Society – 199 Street Site) Bylaw No. 6148".

2. The Council of the Township of Langley hereby authorizes the Corporation of the Township of Langley to enter into an agreement with the Township of Langley Housing Trust Society on behalf of the Township of Langley, as set out in Schedule "A", attached hereto and forming part of the bylaw (the "Agreement").

3. The lands identified in the Agreement are legally described as:

   Lot A, Plan NWP68321, Part NE1/4, Section 22, Township 8, NWD

4. Upon execution of the Agreement by the Mayor and the Township Clerk (or Deputy Clerk), the Agreement shall be validly entered into as authorized by this Bylaw.

5. The Township Clerk (or Deputy Clerk) is authorized to sign and cause to be registered in the Land Title office, notices of the Agreement as may be required under the *Local Government Act*.

READ A FIRST TIME the	day of	, 2025
READ A SECOND TIME the	day of	, 2025
READ A THIRD TIME the	day of	, 2025
ADOPTED the	day of	, 2025

_____ Mayor _____ Township Clerk

SCHEDULE A

TERMS OF INSTRUMENT - PART 2

HOUSING AGREEMENT AND SECTION 219 COVENANT
(Section 483 of the *Local Government Act* and Section 219 of the *Land Title Act*)

THIS AGREEMENT made as of the ♦ day of ♦, 202♦.

BETWEEN:

Township of Langley Housing Trust Society
20338 – 65 Avenue
Langley, B.C., V2Y 3J1

(the "**Leasehold Owner**")

AND:

The Corporation of the Township of Langley
20338 – 65 Avenue
Langley, B.C., V2Y 3J1

(the "**Local Government**")

WHEREAS:

A. The Corporation of the Township of Langley is the registered owner of those lands and premises located at 7883 – 199 Street in Langley, B.C. and legally described as:

PID: 000-801-607
Lot A, Section 22 Township 8 New Westminster District Plan 68321

(the "**Lands**");

B. The Leasehold Owner is the registered owner of a leasehold interest in the Lands pursuant to a lease registered in the Land Title Office with document number CB_____;

C. The Leasehold Owner may, pursuant to section 483 of the *Local Government Act*, enter into a housing agreement with an owner regarding the occupancy of the housing units identified in the agreement, including but not limited to terms and conditions referred to in section 483(2) of the *Local Government Act*;

D. Section 219 of the *Land Title Act* permits the registration of a covenant of a positive or negative nature in favour of the Local Government in respect of the use of land or construction on land;

E. The Leasehold Owner and the Local Government wish to enter into this Agreement to provide for rental housing units on the Lands, on the terms and conditions set out in this

Agreement, and agree that this Agreement is a housing agreement pursuant to section 483 of the *Local Government Act* and a covenant pursuant to section 219 of the *Land Title Act*.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of $1.00 paid by each of the Parties to the other (the receipt and sufficiency of which is acknowledged by each party) and in consideration of the promises exchanged below, the Parties covenant and agree as follows:

1. Definitions

1.1 In this Agreement, unless otherwise defined, the following words have the following meanings:

(a) "**Agreement**" means this agreement and includes all recitals, instruments, schedules, and amendments thereto;

(b) "**BC Housing**" means British Columbia Housing Management Commission or its successor in function;

(c) "**Below Market Rent Unit**" means any Dwelling Unit more particularly set forth in section 2.1(c);

(d) "**Building**" means the building(s) and all other structures to be constructed on the Lands, together with all alterations or repairs thereto and all improvements from time to time constructed upon or affixed or appurtenant to the Lands;

(e) "**Dwelling Units**" means collectively, all of the dwelling units expected to be constructed on the Lands, and any one, a "**Dwelling Unit**";

(f) "***Land Title Act***" means the *Land Title Act*, R.S.B.C. 1996, c. 250, together with all amendments thereto and replacements thereof;

(g) "**Land Title Office**" means the applicable Land Title Office or its successor in function;

(h) "***Local Government Act***" means the *Local Government Act*, R.S.B.C. 2015, c. 1, together with all amendments thereto and replacements thereof;

(i) "**Market Rent**" means rent for a Dwelling Unit that is based on an independent market rent appraisal and determined in accordance with the requirements of the BC Builds Rental Supply Program;

(j) "**Middle Income Limit**" means the gross annual household income that does not exceed the 75th income percentile:

(i) with respect to Dwelling Units with less than two (2) bedrooms, for families without children; or

(ii) with respect to Dwelling Units with two (2) or more bedrooms, for families with children,

as determined from time to time by BC Housing;

(k) "**Parties**" means together, the Leasehold Owner and the Local Government;

(l) "***Real Estate Act***" means the *Real Estate Act*, S.B.C. 1979, c. 356, together with all amendments thereto and replacements thereof;

(m) "***Residential Tenancy Act***" means the *Residential Tenancy Act*, S.B.C. 2002, c. 78, together with all amendments thereto and replacements thereof;

(n) "***Strata Property Act***" means the *Strata Property Act*, S.B.C. 1998, c. 43, together with all amendments thereto and replacements thereof;

(o) "**Subdivide**" or "**Subdivision**" means to divide, apportion, consolidate or subdivide the Lands, or the ownership or right to possession or occupation of the Lands into two or more lots, strata lots, parcels, parts, portions or shares, whether by plan, descriptive words or otherwise, under the *Land Title Act*, the *Strata Property Act*, or otherwise, and includes the creation, conversion, organization or development of "cooperative units" or "shared interests in land" as defined in the *Real Estate Act*;

(p) "**Tenants**" means one or more individuals that occupy or propose to occupy Dwelling Units, and any one, a "**Tenant**"; and

(q) "**Tenancy Agreement**" means a tenancy agreement, lease, license or other agreement granting rights to occupy a Dwelling Unit that is governed by the *Residential Tenancy Act*.

2. Section 219 Covenant – Land Use Restrictions

2.1 The Leasehold Owner hereby covenants and agrees with respect to the use of the Lands and Building from the date of this Agreement set forth on the first page of the Terms of Instrument – Part 2 as follows:

(a) once the Dwelling Units have been constructed and the Local Government has issued an occupancy permit(s) for the Dwelling Units, the Dwelling Units shall be used only in accordance with this Agreement;

(b) any development on the Lands shall include the Dwelling Units to be used in a manner consistent with this Agreement;

(c) at least thirty percent (30%) of the Dwelling Units must be

i. rented to Tenants for rents that are ten percent (10%) below CMHC Langley Median Rent; and

ii. occupied by households with incomes at or below housing income limits for the corresponding size of housing unit, as set out in the current "Housing Income Limits" table published by BC Housing, or equivalent publication; and

iii. occupied by households that comply with the Eligibility Criteria and are rented to Tenants in accordance with Township of Langley Development Cost Charge Waiver For Not-For-Profit Housing Bylaw No. 5901 as amended or replaced from time to time

(d) each Dwelling Unit shall only be occupied by Tenants whose gross annual income does not exceed the applicable Middle Income Limit and each rented at a rate determined by BC Housing;

(e) the Leasehold Owner shall endeavour to rent each Below Market Rent Unit to Tenants who generally have lower gross annual income as at the date of initial occupancy than the average gross annual income as at the date of initial occupancy of Tenants who occupy a Dwelling Unit for Market Rent;

(f) each Dwelling Unit shall only be used for rental purposes, pursuant to a Tenancy Agreement;

(g) every Tenancy Agreement shall identify all Tenants of a Dwelling Unit;

(h) no Dwelling Unit on the Lands may be rented to or tenanted by any Tenant for a term of less than thirty (30) days; and

(i) the Leasehold Owner shall operate the Dwelling Units in compliance with the terms, conditions, requirements and restrictions contained in this Agreement.

2.2 The Local Government may permit the Leasehold Owner to Subdivide the Lands to Subdivide any excess lands within the Lands (which are not required as part of the Building in which the Dwelling Units will be built), provided that the Leasehold Owner will be able to ensure that the Dwelling Units can be built within current bylaws on the remainder portion of the Lands (the "**Remainder Lands**"), in which case the Local Government will upon Subdivision in this manner, discharge this Agreement from title to the excess lands, with this Agreement remaining in full force and effect against the Remainder Lands. The Leasehold Owner may Subdivide the Building pursuant to the *Strata Property Act*, in which case, the Local Government will, upon Subdivision in this manner,

discharge this Agreement from title to all strata lots other than those strata lots that comprise the Dwelling Units.

2.3 The Leasehold Owner shall not sell or transfer, or agree to sell or transfer, any interest in the Dwelling Units, other than a full interest in the Leasehold Owner's leasehold title, to a purchaser that agrees to assume the terms and conditions of this Agreement.

3. Notice to be Registered in the Land Title Office

3.1 The Leasehold Owner hereby acknowledges and agrees that:

(a) this Agreement constitutes both a covenant under section 219 of the *Land Title Act* and a housing agreement entered into under section 483 of the *Local Government Act*;

(b) notice of this Agreement shall be registered in the Land Title Office by the Local Government at the cost of the Leasehold Owner in accordance with section 483 of the *Local Government Act*; and

(c) pursuant to section 483(6) of the *Local Government Act*, this Agreement shall be binding on all persons who acquire an interest in the Lands from the Leasehold Owner after registration of this notice, and unless discharged in accordance with this Agreement, shall run with and bind the Lands in perpetuity.

4. Compliance with Agreement

4.1 The Leasehold Owner hereby irrevocably authorizes the Local Government to make such inquiries as it considers reasonably necessary in order to confirm that the Leasehold Owner is complying with this Agreement.

5. Enforcement and Waiver

5.1 Nothing contained or implied herein shall prejudice or affect the rights and powers of the Local Government in the exercise of its functions under any public or private statutes, bylaws, orders and regulations, all of which may be fully and effectively exercised in relation to the Lands. The waiver by a party of any failure on the part of the other party to perform in accordance with any of the terms or conditions of this Agreement shall not be construed as a waiver of any future or continuing failure, whether similar or dissimilar.

5.2 The Parties agree that the Local Government is not obligated to inspect the Lands or to otherwise ensure compliance with this Agreement, nor is the Local Government obligated to remedy any default of this Agreement. A failure by the Local Government to enforce this Agreement shall not constitute a waiver of any of the Local Government's rights herein.

5.3 Notwithstanding any provision to the contrary in this Agreement, if the Leasehold Owner is in default of its obligations set forth in this Agreement then the Local Government may, by written notice to the Leasehold Owner, as the case may be:

(a) require such default to be corrected within thirty (30) days after receipt of such notice; and

(b) if within the thirty (30) days after receipt of such notice the default has not been corrected or reasonable steps to correct the default have not been taken, the Local Government, without limiting any other right it might have, may, but is under no obligation to, enter onto the Lands and rectify such default to the extent considered necessary by the Local Government, or pursue any other remedy consistent with the provisions set forth in sections 5.4 and 5.5.

5.4 No remedy under this Agreement is deemed to be exclusive but will, where possible, be cumulative with all other remedies available at law or in equity.

5.5 The Leasehold Owner hereby covenants and agrees that, in addition to any remedies that are available under this Agreement or at law, the Local Government is entitled to all equitable remedies, including specific performance, injunction and declarative relief to enforce its rights under this Agreement. The Leasehold Owner each acknowledges that specific performance, injunctive relief (mandatory or otherwise) or other equitable relief may be the only adequate remedy for a default by the Leasehold Owner under this Agreement.

6. Discharge or Amendment

6.1 This Agreement shall be discharged or amended only by an instrument duly executed by the Parties. Notwithstanding the foregoing, a unilateral discharge is the right of the Local Government pursuant to section 8.1(c).

6.2 Pursuant to section 483(4) of the *Local Government Act*, this Agreement may be amended only by a bylaw adopted with the consent of the Parties.

7. Indemnity and Release

7.1 The Leasehold Owner hereby releases, indemnifies and saves harmless the Local Government from all loss, damage, costs (including without limitation legal costs), expenses, actions, suits, debts, accounts, claims and demands (collectively, the "**Claims and Losses**"), including without limitation any and all claims of third parties (and including personal injury, death or damage occurring in or on the Lands), which the Local Government may suffer, incur or be put to arising directly or indirectly out of or in connection with this Agreement, including:

(a) any breach by the Leasehold Owner of any covenant or agreement contained in or related to this Agreement;

(b) any negligent act or omission of the Leasehold Owner or its officers, directors, agents, contractors or other persons for whom at law the Leasehold Owner is responsible;

(c) the exercise of discretion by any employee or official of the Local Government for any matter relating to this Agreement;

(d) the construction, maintenance, repair, ownership, lease, license, operation, management or financing of the Lands, the Building or any portion thereof, including any Dwelling Unit; and/or

(e) the exercise by the Local Government of any of its rights under this Agreement or an enactment.

Notwithstanding the foregoing or anything to the contrary set forth in this Agreement, the indemnity being granted by the Leasehold Owner hereunder shall exclude such Claims and Losses arising from the negligent acts or omissions, bad faith or willful misconduct of the Local Government.

7.2 The indemnity and release set forth in section 7.1 shall survive the termination of this Agreement.

8. Agreement for Benefit of Local Government Only

8.1 The Parties agree that:

(a) this Agreement is entered into only for the benefit of the Local Government;

(b) this Agreement is not intended to protect the interests of the Leasehold Owner, any tenant, or any future owner, lessee, occupier or user of the Lands, the Building or any portion thereof, including any Dwelling Unit; and

(c) the Local Government may at any time execute a release and discharge of this Agreement, without liability to anyone for doing so, and without obtaining the consent of the Leasehold Owner.

9. Miscellaneous

9.1 Time will be of the essence of this Agreement and will remain of the essence notwithstanding the extension of any of the dates under this Agreement.

9.2 This Agreement represents the whole agreement between the Parties, and there are no warranties, representations, conditions or collateral agreements made by the Parties except as set forth in this Agreement.

9.3 The captions and headings throughout this Agreement are for convenience and reference only and the words and phrases contained therein will in no way be held or deemed to define, limit, describe, explain, modify, amplify or add to the interpretation, construction or meaning of any provision of or the scope or intent of this Agreement or in any way affect this Agreement.

9.4 If any provision of this Agreement is found to be invalid or unenforceable, such provision or any part thereof will be severed from this Agreement and the remainder of this Agreement will remain in full force and effect.

9.5 Each of the Parties shall at all times and from time to time and upon reasonable request do, execute and deliver all further assurances, acts and documents for the purpose of evidencing and giving full force and effect to the covenants, agreements and provisions in this Agreement.

9.6 All notices, demands and requests which may or are required to be given pursuant to this Agreement will be in writing and will be sufficiently given if served personally upon the party for which it is intended, or mailed prepaid and double registered:

(a) in the case of the Leasehold Owner, addressed to:

Township of Langley Housing Trust Society
20338 – 65 Avenue
Langley, B.C., V2Y 3J1

Attention: President

(b) in the case of the Local Government, addressed to:

Township of Langley
202338 – 65 Avenue
Langley, B.C., V2Y 3J1

Attention: Township Clerk

or at such other addresses as each of the Parties may from time to time advise by notice in writing. The date of receipt of any such notice, demand or request will be deemed to be the date of delivery if such notice, demand or request is served personally or if mailed as aforesaid on the fifth business day next following the date of such mailing; provided, however, that if mailed, should there be between the time of mailing and the actual receipt of the notice a mail strike, slow down of postal service or other labour dispute which affects the delivery of such notice, then such notice will be deemed to be received when actually delivered.

9.7 Unless the context otherwise requires, the laws of British Columbia will apply to this Agreement and all statutes referred to herein are enactments of the Province of British Columbia. Without limiting the above, in the event of any conflict

between any provision of this Agreement and the *Residential Tenancy Act*, this Agreement is without effect to the extent of the conflict, except that the Leasehold Owner shall be responsible for ensuring that every Tenancy Agreement fairly reflects the material terms of this Agreement.

9.8 Any reference to a statute includes and is a reference to such statute and to the regulations made pursuant thereto, with all amendments made from time to time to such statute and regulations and as they are in force from time to time, and to any statute and regulations that may be passed which have the effect of supplementing or superseding such statutes and regulations.

9.9 The Leasehold Owner will do everything necessary, at the expense of the Leasehold Owner, to ensure that a notice under section 483(5) of the *Local Government Act* will be filed on the title to the Lands and that this Agreement will be noted and registered against title to the Lands in priority to all financial charges and financial encumbrances which may have been registered or are pending registration against title to the Lands save and except those specifically approved in advance in writing by the Local Government or in favour of the Local Government.

9.10 The Leasehold Owner is only liable for breaches of this Agreement that occur while the Leasehold Owner is the registered owner of the leasehold interest in the Lands provided however that notwithstanding that the Leasehold Owner is no longer the registered owner of the leasehold interest in the Lands, the Leasehold Owner will remain liable for breaches of this Agreement that occurred while the Leasehold Owner was the registered owner of the leasehold interest in the Lands.

9.11 This Agreement shall enure to the benefit of and be binding upon the Parties hereto and their respective successors and permitted assignees.

By signing the General Instrument Part I, the Parties have agreed to be bound by their respective obligations contained in this Agreement.

Township of Langley

Est. 1873

REPORT TO MAYOR AND COUNCIL

PRESENTED:	JULY 7, 2025 - REGULAR MEETING	**REPORT:**	25-106
FROM:	FINANCE DIVISION	**FILE:**	1760-30
SUBJECT:	TEMPORARY BORROWING BYLAWS (OLD YALE ROAD LOAN AND ALDERGROVE PARKADE LOAN) AND MUNICIPAL SECURITY ISSUING RESOLUTION		

RECOMMENDATIONS:

That Council give first, second, and third reading to Temporary Borrowing (Old Yale Road Loan) Bylaw No. 6156 towards the estimated cost of construction of Old Yale Road.

That Council give first, second, and third reading to Temporary Borrowing (Aldergrove Parkade Loan) Bylaw No. 6157 towards the acquisition cost of Aldergrove Parkade.

That Council approve borrowing from the Municipal Finance Authority of British Columbia (MFA), as part of their Spring 2026 long-term debt issue, $6,959,596 as authorized through Old Yale Road Loan Authorization Bylaw No. 6084.

That Council approve borrowing from the Municipal Finance Authority of British Columbia (MFA), as part of their Spring 2026 long-term debt issue, $8,838,384 as authorized through Aldergrove Parkade Loan Authorization Bylaw No. 6085.

That Metro Vancouver Regional District be requested to consent to our borrowing of $6,959,596 as authorized through Old Yale Road Loan Authorization Bylaw No. 6084 over a twenty (20) year term and include the borrowing in their security issuing bylaw.

That Metro Vancouver Regional District be requested to consent to our borrowing of $8,838,384 as authorized through Aldergrove Parkade Loan Authorization Bylaw No. 6085 over a Ten (10) year term and include the borrowing in their security issuing bylaw.

PURPOSE:

The purpose of the report is to obtain Council's approval for Temporary Borrowing Bylaws No. 6156 and 6157 for construction of Old Yale Road, and acquisition of Aldergrove Parkade as outlined previously, and Municipal Security Issuing Resolution as required under the Community Charter with respect to long term debt for capital works.

DISCUSSION/ANALYSIS:

On April 28, 2025, Council gave final reading to Old Yale Road Loan Authorization Bylaw No. 6084 for $6,959,596 for the estimated cost of construction of Old Yale Road and Aldergrove Parkade Loan Authorization Bylaw No. 6085 for $8,838,384 for the acquisition of Aldergrove Parkade.

The Temporary Borrowing bylaw provides for temporary borrowing pending the issuance of debenture debt by the Municipal Finance Authority in accordance with the *Community Charter*.

A Temporary Borrowing Bylaw acts as a bridge from that period when a Capital Project starts, and funding is required to the next official debt issuance by Metro Vancouver and the Municipal Finance Authority. Temporary borrowing can also work like a progress draw and provide an opportunity to borrow only what is required until such time as the project is complete and the total amount of funding required is known. It makes sense to use temporary borrowing when the timeline for a project is in flux. Money borrowed under this section must be repaid or transferred to long term debt within five years from the first advance.

Under the *Community Charter*, all long-term borrowing, with a term longer than five years, must be undertaken with the Municipal Finance Authority (MFA) through the municipality's Regional District. Borrowing from the MFA requires that a Council approved Municipal Security Issuing Resolution, Loan Authorization Bylaw and the Certificate of Approval from the Ministry of Community Services be forwarded to Metro Vancouver Regional District (MVRD). MVRD also requires a completed Liability Servicing Limit Statement, the 2026-2030 Financial Plan with annual debt servicing costs, sources of revenues for debt servicing and schedule of anticipated future borrowings. They also require the most recently Audited Financial Statements with a schedule of reserves. Upon consent of the undertaking, the MVRD will proceed with issuing the Regional District Security Issuing Bylaw to the MFA on behalf of the Township.

The Township will place the debt with the MFA through the long-term debenture debt program. Temporary Borrowing Bylaws are required to obtain funds from the MFA through their interim financing program until the long-term debenture debt program is in place. The Old Yale Road will be repaid from General Operating Revenue with a maximum term of 20 years. The Aldergrove Parkade will be repaid from General Operating Revenue with a maximum term of 10 years.

Respectfully submitted,

Samuel Nam
DEPUTY DIRECTOR OF FINANCE
for
FINANCE DIVISION

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6156

EXPLANATORY NOTE

Bylaw No. 6156 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of Old Yale Road, in the amount of $6,959,596 pursuant to Old Yale Road Loan Authorization Bylaw No. 6084.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6156

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6084, cited as Old Yale Road Loan Authorization Bylaw No. 6084 authorizing the borrowing of a sum not exceeding six million nine hundred fifty-nine thousand five hundred ninety-six dollars ($6,959,596) to complete the construction of Old Yale Road.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (Old Yale Road) Bylaw No. 6156”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of six million nine hundred fifty-nine thousand five hundred ninety-six dollars ($6,959,596), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said Old Yale Road Loan Authorization Bylaw No. 6156.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	day of	, 2025
READ A SECOND TIME the	day of	, 2025
READ A THIRD TIME the	day of	, 2025
ADOPTED the	day of	, 2025

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6157

EXPLANATORY NOTE

Bylaw No. 6157 provides for temporary borrowing pending the issuance of debenture securities to complete the acquisition of Aldergrove Parkade, in the amount of $8,838,384 pursuant to Aldergrove Parkade Loan Authorization Bylaw No. 6085.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6157

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6085, cited as Aldergrove Parkade Loan Authorization Bylaw No. 6085 authorizing the borrowing of a sum not exceeding eight million eight hundred thirty-eight thousand three hundred and eighty-four dollars ($8,838,384) to complete the acquisition of Aldergrove Parkade.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (Aldergrove Parkade) Bylaw No. 6157”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of eight million eight hundred thirty-eight thousand three hundred and eighty-four dollars ($8,838,384), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said Aldergrove Parkade Loan Authorization Bylaw No. 6157.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	day of	, 2025
READ A SECOND TIME the	day of	, 2025
READ A THIRD TIME the	day of	, 2025
ADOPTED the	day of	, 2025

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6149

EXPLANATORY NOTE

Bylaw No. 6149 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of 208A Civic Infrastructure, in the amount of $11,824,689 pursuant to 208A Civic Infrastructure Loan Authorization Bylaw No. 6053.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6149

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6053, cited as 208A Civic Infrastructure Loan Authorization Bylaw No. 6053 authorizing the borrowing of a sum not exceeding eleven million eight hundred twenty-four thousand six hundred and eighty-nine dollars ($11,824,689) to complete the construction of 208A Civic Infrastructure.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (208A Civic Infrastructure) Bylaw No. 6149”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of eleven million eight hundred twenty-four thousand six hundred and eighty-nine dollars ($11,824,689), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said 208A Civic Infrastructure Loan Authorization Bylaw No. 6149.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	23	day of	June	, 2025
READ A SECOND TIME the	23	day of	June	, 2025
READ A THIRD TIME the	23	day of	June	, 2025
ADOPTED the		day of		,

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6150

EXPLANATORY NOTE

Bylaw No. 6150 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of 212 Street Civic Infrastructure, in the amount of $5,830,952 pursuant to 212 Street Civic Infrastructure Loan Authorization Bylaw No. 6054.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6150

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6054, cited as 212 Street Civic Infrastructure Loan Authorization Bylaw No. 6054 authorizing the borrowing of a sum not exceeding five million eight hundred thirty thousand nine hundred and fifty-two dollars ($5,830,952) to complete the construction of 212 Street Civic Infrastructure.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (212 Street Civic Infrastructure) Bylaw No. 6150”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of five million eight hundred thirty thousand nine hundred and fifty-two dollars ($5,830,952), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said 212 Street Civic Infrastructure Loan Authorization Bylaw No. 6150.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	23	day of	June	, 2025
READ A SECOND TIME the	23	day of	June	, 2025
READ A THIRD TIME the	23	day of	June	, 2025
ADOPTED the		day of		,

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6151

EXPLANATORY NOTE

Bylaw No. 6151 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of Smith Athletic Park Development Phase 2, in the amount of $39,267,677 pursuant to Smith Athletic Park Development Phase 2 Loan Authorization Bylaw No. 6078.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6151

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6078, cited as Smith Athletic Park Development Phase 2 Loan Authorization Bylaw No. 6078 authorizing the borrowing of a sum not exceeding thirty-nine million two hundred sixty-seven thousand six hundred and seventy-seven dollars ($39,267,677) to complete the construction of Smith Athletic Park Development Phase 2.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (Smith Athletic Park Development Phase 2) Bylaw No. 6151”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of thirty-nine million two hundred sixty-seven thousand six hundred and seventy-seven dollars ($39,267,677), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said Smith Athletic Park Development Phase 2 Loan Authorization Bylaw No. 6151.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	23	day of	June	, 2025
READ A SECOND TIME the	23	day of	June	, 2025
READ A THIRD TIME the	23	day of	June	, 2025
ADOPTED the		day of		,

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6152

EXPLANATORY NOTE

Bylaw No. 6152 provides for temporary borrowing pending the issuance of debenture securities to complete the construction of Ice and Dry Arenas Phase 2, in the amount of $25,252,525 pursuant to Ice and Dry Arenas Phase 2 Loan Authorization Bylaw No. 6079.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6152

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6079, cited as Ice and Dry Arenas Phase 2 Loan Authorization Bylaw No. 6079 authorizing the borrowing of a sum not exceeding twenty-five million two hundred fifty-two thousand five hundred and twenty-five dollars ($25,252,525) to complete the construction of Ice and Dry Arenas Phase 2.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (Ice and Dry Arenas Phase 2) Bylaw No. 6152”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of twenty-five million two hundred fifty-two thousand five hundred and twenty-five dollars ($25,252,525), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said Ice and Dry Arenas Phase 2 Loan Authorization Bylaw No. 6152.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	23	day of	June	, 2025
READ A SECOND TIME the	23	day of	June	, 2025
READ A THIRD TIME the	23	day of	June	, 2025
ADOPTED the		day of		,

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6153

EXPLANATORY NOTE

Bylaw No. 6153 provides for temporary borrowing pending the issuance of debenture securities to complete the purchase of Strategic Land, in the amount of $27,119,517 pursuant to Strategic Land Loan Authorization Bylaw No. 6080.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TEMPORARY BORROWING BYLAW NO. 6153

WHEREAS it is provided by Section 181 of the *Community Charter* that the Council may, where it has adopted a loan authorization bylaw, without further assents or approvals, borrow temporarily under the conditions therein set out.

WHEREAS the Council has adopted Bylaw No. 6080, cited as Strategic Land Loan Authorization Bylaw No. 6080 authorizing the borrowing of a sum not exceeding twenty-seven million one hundred nineteen thousand five hundred seventeen dollars ($27,119,517) to complete the purchase of Strategic Land.

NOW THEREFORE, the Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

This bylaw may be cited as “Temporary Borrowing (Strategic Land) Bylaw No. 6153”.

The Council is hereby authorized and empowered to borrow an amount or amounts not exceeding the sum of twenty-seven million one hundred nineteen thousand five hundred seventeen dollars ($27,119,517), as the same may be required.

The form of obligation to be given as acknowledgement of the liability shall be a promissory note or notes bearing the corporate seal and signed by the Mayor and the Financial Administration Officer.

The money so borrowed shall be used solely for the purposes set out in said Strategic Land Loan Authorization Bylaw No. 6153.

The proceeds from the sale of the debentures or so much thereof as may be necessary shall be used to repay the money so borrowed.

READ A FIRST TIME the	23	day of	June	, 2025
READ A SECOND TIME the	23	day of	June	, 2025
READ A THIRD TIME the	23	day of	June	, 2025
ADOPTED the		day of		,

_____ Mayor _____ Township Clerk

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

LANGLEY OFFICIAL COMMUNITY PLAN BYLAW 1979 NO. 1842 AMENDMENT (WILLOUGHBY COMMUNITY PLAN) BYLAW 1998 NO. 3800 AMENDMENT (LATIMER NEIGHBOURHOOD PLAN) BYLAW 2015 NO. 5101 AMENDMENT (1179203 BC LTD.) BYLAW NO. 5849

EXPLANATORY NOTE

Bylaw No. 5849 amends the Willoughby Community Plan and Latimer Neighbourhood Plan to redesignate property at 20069 – 80 Avenue.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

LANGLEY OFFICIAL COMMUNITY PLAN BYLAW 1979 NO. 1842
AMENDMENT (WILLOUGHBY COMMUNITY PLAN) BYLAW 1998 NO. 3800
AMENDMENT (LATIMER NEIGHBOURHOOD PLAN) BYLAW 2015 NO. 5101
AMENDMENT (1179203 BC LTD.) BYLAW NO. 5849

A Bylaw to amend the Willoughby Community Plan Bylaw No. 3800 and Latimer Neighbourhood Plan Bylaw No. 5101

The Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

1. This Bylaw may be cited for all purposes as “Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Willoughby Community Plan) Bylaw 1998 No. 3800 Amendment (Latimer Neighbourhood Plan) Bylaw 2015 No. 5101 Amendment (1179203 BC Ltd.) Bylaw No. 5849”.

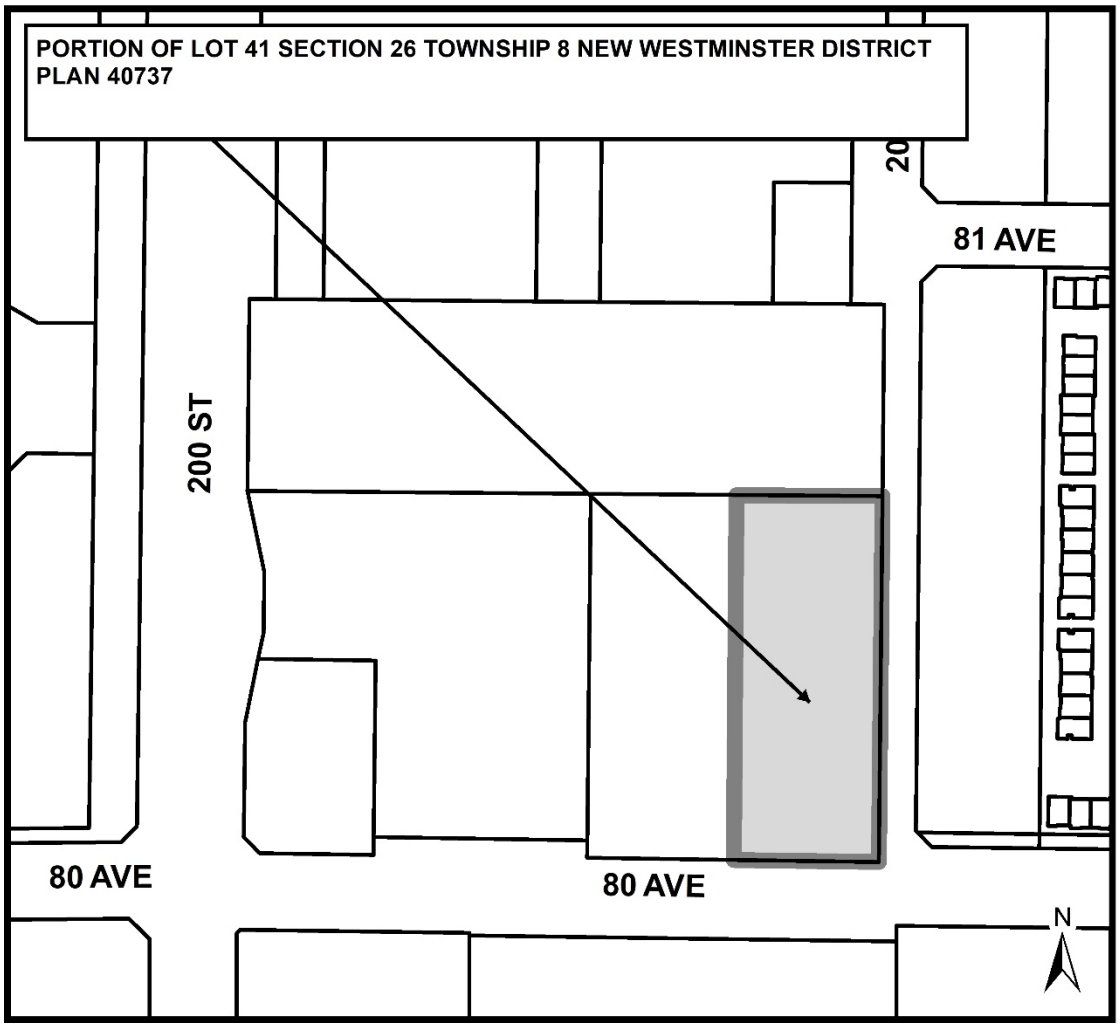
2. Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Willoughby Community Plan) Bylaw 1998 No. 3800 is further amended by amending Map 1 – Land Use Map by changing the land use designation for subject property to “Commercial” for the area described on Schedule A attached to and forming part of this bylaw.

3. Langley Official Community Plan Bylaw 1979 No. 1842 Amendment (Willoughby Community Plan) Bylaw 1998 No. 3800 Amendment (Latimer Neighbourhood Plan) Bylaw 2001 No. 5101 is further amended by amending Map 1 – Land Use Concept by changing the land use designation for subject property to “High Density Commercial Mixed Use (3.0 FSR)” for the area described on Schedule A attached to and forming part of this bylaw.

READ A FIRST TIME the	13	day of	March	, 2023
READ A SECOND TIME the	13	day of	March	, 2023
PUBLIC HEARING HELD the	03	day of	April	, 2023
READ A THIRD TIME the	03	day of	April	, 2023
ADOPTED the		day of		, 2023

_____ Mayor _____ Township Clerk

SCHEDULE 'A'
BYLAW NO. 5849



THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TOWNSHIP OF LANGLEY ZONING BYLAW 1987 NO. 2500
AMENDMENT (1179203 BC LTD.) BYLAW NO. 5850

EXPLANATORY NOTE

Bylaw No. 5850 rezones land located at 20069 – 80 Avenue from Suburban Residential Zone SR-2 to Comprehensive Development Zone CD-180 to permit a comprehensive development consisting of 289 apartment units and 1,943 m^2 (20,914 ft^2) of ground floor commercial space in two 7-storey buildings.

THE CORPORATION OF THE TOWNSHIP OF LANGLEY

TOWNSHIP OF LANGLEY ZONING BYLAW 1987 NO. 2500

AMENDMENT (1179203 BC LTD.) BYLAW NO. 5850

A Bylaw to amend Township of Langley Zoning Bylaw 1987 No. 2500

The Municipal Council of the Corporation of the Township of Langley, in Open Meeting Assembled, ENACTS AS FOLLOWS:

1. This Bylaw may be cited for all purposes as "Township of Langley Zoning Bylaw 1987 No. 2500 Amendment (1179203 BC Ltd.) Bylaw No. 5850".

2. The "Township of Langley Zoning Bylaw 1987 No. 2500" as amended is further amended by:

   (1) Adding to the Table of Contents and Section 104.1 – Zones the words "Comprehensive Development Zone CD-180" after the words "Comprehensive Development Zone CD-179"
   (2) Adding to Section 110.1 after the words "CD-179" the words "CD-180 – 5000 m²"
   (3) Adding after Section 1079 "Comprehensive Development Zone CD-179" the following as Section 1079 "Comprehensive Development Zone CD-180"

1080 **COMPREHENSIVE DEVELOPMENT ZONE CD-180**

Uses Permitted

1080.1 In the CD-180 Zone, only the following *uses* are permitted and all other *uses* are prohibited:

1) *accessory buildings* and *uses*
2) *accessory home occupations* subject to Section 104.3
3) *group children's day care* subject to Section 1080.3
4) *residential uses* subject to Section 1080.2
5) *commercial uses* subject to Section 1080.3
6) offices subject to Section 1080.3

Residential Uses

1080.2 A maximum of 4 a*partments* are permitted on the ground floor facing the northern property line as indicated in Section 1080.13, all other *apartments* must be located above the ground floor.

Commercial / Office Uses

1080.3 *Commercial uses, group children's day cares and* office *uses* are permitted on the ground floor.

Density

1080.4 The maximum *floor space ratio* of lands zoned CD-180 shall not exceed 3.1.

Lot Coverage

1080.5 Lot coverage of *buildings* and *structures* shall be in accordance with the provisions of a Development Permit.

Siting of Buildings and Structures

1080.6 *Buildings* and *structures* shall be sited in accordance with the provisions of a Development Permit.

Height of Buildings and Structures

1080.7 Except as provided for in Section 104.5 the *height* of principal *buildings* and *structures* shall be in accordance with and not exceed Section 1080.13 and a Development Permit. The *height* of *accessory buildings* and *structures* shall not exceed 3.75 metres or one *storey*, whichever is less.

Subdivision Requirements

1080.8 All *lots* created by *subdivision* shall comply with Section 110 of this Bylaw and the Subdivision and Development Servicing Bylaw 2019 No. 5382 as amended.

Landscaping, Screening and Fencing

1080.9 Landscaping areas, landscaping screens and fencing shall be provided in accordance with Section 111 and the Development Permit.

Parking and Loading

1080.10 Parking and loading shall be provided in accordance with Section 107.

Age Friendly Amenity

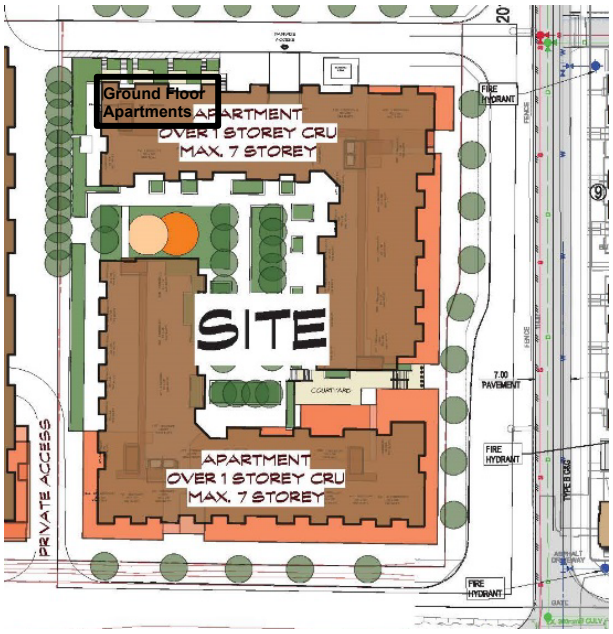
1080.11 Age Friendly Amenity areas shall be provided in accordance with Section 111.5 and in accordance with the Development Permit.

Development Permit Requirements

1080.12 A Development Permit shall be issued by Council prior to issuance of a Building Permit.

Site Plan

1080.13 Development in this zone shall conform substantially with the site plan as shown below:



3. The "Township of Langley Zoning Bylaw 1987 No. 2500" as amended is further amended by rezoning the lands described as:

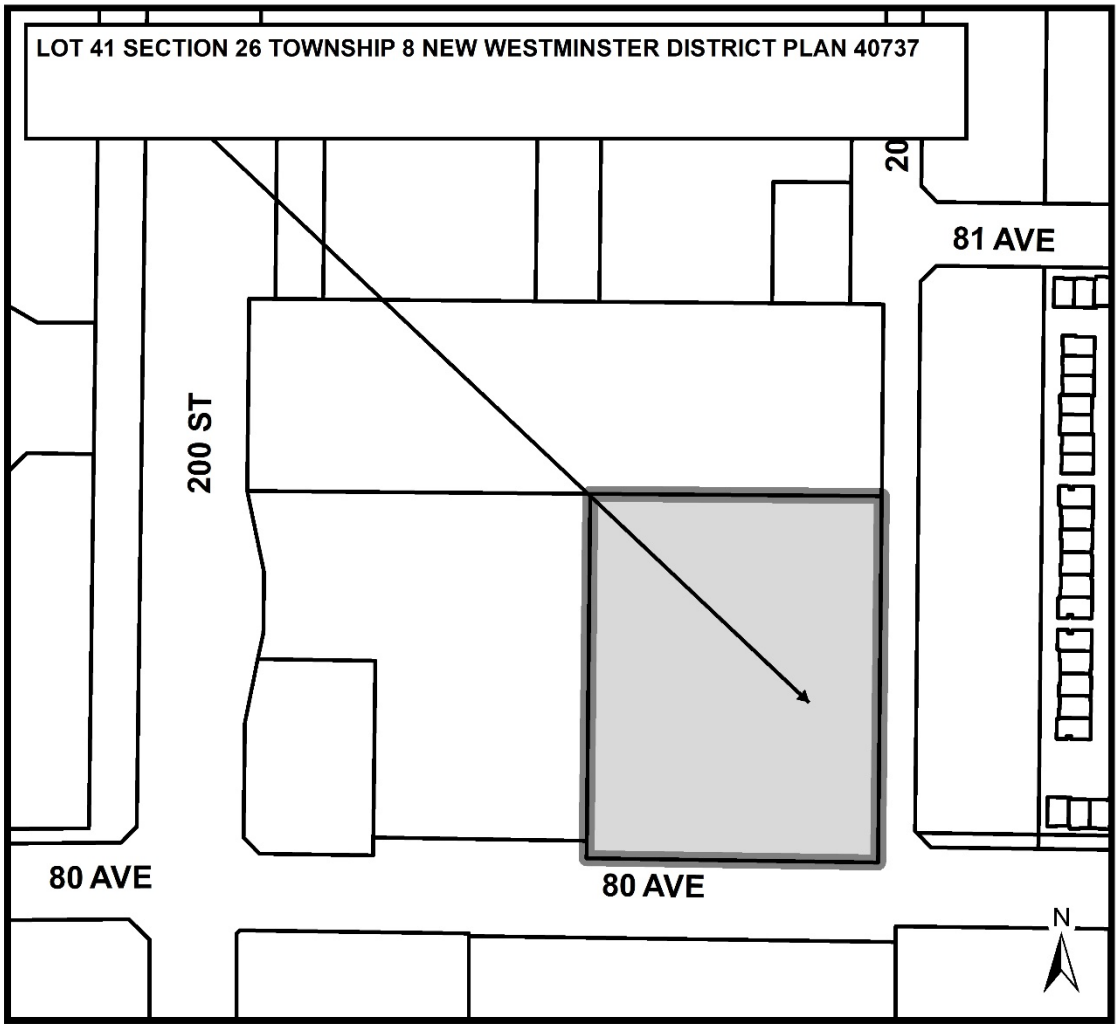
Lot 41 Section 26 Township 8 New Westminster District Plan 40737

as shown delineated on Schedule "A" attached to and forming part of this Bylaw to Comprehensive Development Zone CD-180.

READ A FIRST TIME the	13	day of	March	, 2023
READ A SECOND TIME the	13	day of	March	, 2023
PUBLIC HEARING HELD the	03	day of	April	, 2023
READ A THIRD TIME the	03	day of	April	, 2023
ADOPTED the		day of		, 2023

_____ Mayor _____ Township Clerk

SCHEDULE 'A'
BYLAW NO. 5850



THE CORPORATION OF THE TOWNSHIP OF LANGLEY

Development Permit No. 101190

This Permit is issued this _____ day of _____, 2023 to:

1. NAME: 1179203 BC Ltd.

   ADDRESS: 16683 – 28 Avenue
   Surrey BC, V3Z 0A9

2. This permit applies to and only to those lands within the Municipality described as follows and to any and all buildings, structures and other development thereon:

   LEGAL DESCRIPTION: Lot 41 Section 26 Township 8 New Westminster District Plan 40737

   CIVIC ADDRESS: 20069 – 80 Avenue

3. This permit is issued subject to compliance with all of the bylaws of the Municipality of Langley applicable thereto, except as specifically varied or supplemented by this permit as follows:

   a. Building plans being in substantial compliance with Schedule “A”;
   b. Landscape plans being in substantial compliance with Schedule “B” and the Subdivision and Development Servicing Bylaw (Schedule I - Tree Protection), the Township’s Street Trees and Boulevard Plantings Policy and Age Friendly Amenity Area requirements;
   c. All signage being in compliance with Schedule “A” and the Township’s Sign Bylaw;
   d. All rooftop mechanical equipment to be screened from view; and
   e. All refuse areas to be located in an enclosure and screened.

Although not part of the development permit requirements, the applicant is advised that prior to issuance of a building permit, the following items will need to be finalized:

   a. Completion of an erosion and sediment control plan and provision of security in accordance with the Erosion and Sediment Control Bylaw;
   b. Completion of a site servicing and stormwater management plan in accordance with the Subdivision and Development Servicing Bylaw;
   c. On-site landscaping to be secured by letter of credit at building permit stage;
   d. Written confirmation from the owner and landscape architect or arborist that tree protection fencing identified in the tree management plan is in place; and
   e. Payment of supplemental development permit application fees, Development Cost Charges, and building permit administration fees.

4. The land described herein shall be developed strictly in accordance with the terms, conditions and provisions of this Permit and any plans and specifications attached as a schedule to this permit which shall form a part hereof.

   This permit is not a building permit.

   All developments forming part of this development permit shall be substantially commenced within two years after the date the development permit is issued.

   This permit shall have the force and effect of a restrictive covenant running with the land and shall come into force on the date of an authorizing resolution passed by Council.

It is understood and agreed that the Municipality has made no representations, covenants, warranties, guarantees, promises or agreement (verbal or otherwise) with the developer other than those in this permit.

This permit shall enure to the benefit of and be binding upon the parties hereto and their respective heirs, executors, administrators, successors and assigns.

AUTHORIZING RESOLUTION PASSED BY COUNCIL THIS ____ DAY OF _____, 2023.

Attachments:

Schedule A	Architectural Drawings
Schedule B	Landscaping Drawings

SITE

STATISTICS

PROJECT SUMMARY

CIVIC ADDRESS:	20069 - 80 AVENUE, LANGLEY, BC				
LEGAL DESCRIPTION:	LOT 41 SECTION 26 TOWNSHIP 8 NEW WESTMINSTER DISTRICT PLAN 40737				
SITE AREA (GROSS):	112,805.0 S.F.	10,479.9 M2	2.59 ACRES *TBC BY SURVEYOR		
DEDICATIONS:	27961 S.F.	2598 M2	0.64 ACRES *TBC BY SURVEYOR		
SITE AREA (NET):	84844 S.F.	7882 M2	1.95 ACRES *TBC BY SURVEYOR		
CURRENT ZONING:	MIXED USE				
PROPOSED ZONING:	MIXED USE				
	ALLOWED/REQUIRED:		PROPOSED:		
DENSITY F.S.R.:	2.75		3.10		
(BASED ON NET SITE AREA)	233,321.0 S.F.	(21,675.5 M2)	262,947.9 S.F.	(24,427.9 M2)	(BASED ON NET SITE AREA)
(BASED ON GROSS SITE AREA)	2.75		2.33		
	310,213.8 S.F.		262,947.9 S.F.	(24,427.9 M2)	(BASED ON NET SITE AREA)

BUILDING SETBACKS:

FRONT STREET (SOUTH) - 80 AVENUE:	4.5 M	4.5 M
FRONT STREET (EAST) - 201 STREET:	4.5 M	1.5 M
NORTH - PRIVATE ACCESS:	3.0 M	9.4 M
WEST - ADJACENT PROPERTY:	2.0 M	5.0 M

COMMON AMENITY:

REQUIRED:	N/A	
INDOOR:	3,951.5 S.F.	367.1 M2
OUTDOOR:	9,053.9 S.F.	841.0 M2
TOTAL AMENITY PROVIDED:	13,004.5 S.F.	1,208.1 M2

AREA BREAKDOWN:	LEVEL G	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	TOTAL
COMMERCIAL:	20918 S.F.	0 S.F.	0 S.F.	0 S.F.	0 S.F.	0 S.F.	0 S.F.	20918 S.F.
RESIDENTIAL:	6030 S.F.	33809 S.F.	41229 S.F.	41229 S.F.	41229 S.F.	41229 S.F.	41229 S.F.	245982 S.F.
	26947 S.F.	33809 S.F.	41229 S.F.	41229 S.F.	41229 S.F.	41229 S.F.	41229 S.F.	266899 S.F.

TOTAL GROSS BUILDING AREA:	266,899.4 S.F.	24,795.0 M2
EXCLUDE INDOOR AMENITY:	3,951.5 S.F.	367.1 M2
TOTAL NET BUILDING AREA:	262,947.9 S.F.	24,427.9 M2

PROPOSED UNITS:	QTY:	%:
STUDIO:	0	0.0%
1 BEDROOM:	16	5.5%
1 BED + DEN:	121	41.9%
2 BDRM JR. :	54	18.7%
2 BEDROOM:	70	24.2%
2 BED + DEN:	17	5.9%
3 BEDROOM:	11	3.8%
TOTAL UNITS:	289	100.0%
ADAPTABLE UNITS:	29	10.0%

PARKING REQUIREMENTS:

		REQUIRED:	PROVIDED:
COMMERCIAL:			
TOTAL COMMERCIAL:	GFA = 1,943.31 M2	97	98
	* 1.0 STALL/20 M2 OF GROSS FLOOR AREA		
RESIDENTIAL:			
UNITS LESS THAN 45 M2:	1.0 STALLS/UNIT:	0	
UNITS W/45 M2 OR MORE:	1.5 STALLS/UNIT:	434	
TOTAL RESIDENTIAL:		434	484
TOTAL STALLS:		531	582
ELECTRIC VEHICLE OUTLET:	1.0 RESIDENTIAL STALLS:	289	100% RESIDENTIAL 100% VISITOR
VISITOR:	10% OF REQ'D STALLS	43	43
SMALL CARS:	20% OF TOTAL STALLS:	106	21 (3.6%)
ACCESSIBLE STALLS:			
RESIDENTIAL:	1.0 STALL/EVERY ADAPTABLE UN	29	30
COMMERCIAL:	1.0 STALL/EVERY 100 STALLS:	1	2
STORAGE LOCKERS:	(4'x6' MIN.)	0	295
CLASS B BIKE PARKING:	2 SPACES/20 UNITS+1 PER EACH ADD. 20 UNITS:	15	16
LOADING:	(3m W. 9.25m L. 4.25m H. MIN.)	1	1

GARBAGE & RECYCLING REQUIREMENTS:

COMBINED RESIDENTIAL GARBAGE & RECYCLING:	289 UNITS	@ 0.31 M2 PER UNIT + 8 M2 =	98	M2	1050	S.F.
DESIGNATED RECYCLING AREA:		@ 0.16 M2 PER UNIT + 5 M2		51 M2		552 S.F.
DESIGNATED GARBAGE AERA:				46 M2		499 S.F.
FLEX SPACE:		TOTAL AREA x 50%		49 M2		525 S.F.
		TOTAL DESIGNATED AREA (RESIDENTIAL):		146 M2		1576 S.F.
COMBINED COMMERCIAL GARBAGE & RECYCLING:	1,983.5 M2	@ 0.0182 M2 PER CRU M2 + 3.7=	40	M2	428	S.F.
DESIGNATED COMMERCIAL RECYCLING AREA:		@ 0.0140 M2 PER CRU M2 +3.0 =		31 M2		331 S.F.
DESIGNATED COMMERCIAL GARBAGE AREA:				9 M2		97 S.F.
		TOTAL DESIGNATED AREA (COMMERCIAL):		40 M2		428 S.F.

PROJECT TEAM

CLIENT:
LION ESTATE CONSTRUCTION
16683 28th AVENUE
SURREY, BC V3Z 0A9
CONTACT: PAWAN SANDHU
TEL: +1 604 999-7048
EMAIL: pawan@lionestateconstruction.com

ARCHITECT:
CICCOZZI ARCHITECTURE
15TH FLOOR-1095 WEST PENDER STREET
VANCOUVER, BC V6E 2M6
CONTACT: SHANNON SEEFELDT
TEL: +1 604 687 4741
EMAIL: shannon@ciccozziarchitecture.com

CIVIL ENGINEER:
MCELHANNEY ENGINEERS
200-858 BEATTY STREET
VANCOUVER, BC V6B 1C1
CONTACT: RAYMOND SULL
SYDNEY BRADFORD
TEL: +1 604 683 8521
EMAIL: rsull@mcelhanney.com
smbradford@mcelhanney.com

LANDSCAPE:
PMG LANDSCAPE ARCHITECTS
C100-4185 STILL CREEK DRIVE
BURNABY, BC V5C 6G9
CONTACT: MARY CHAN YIP
MARLENE MESSER
TEL: +1 604 294 0011
EMAIL: mary@pmglandscape.com
marlene@pmglandscape.com

DRAWING LIST

A0.0	COVER SHEET	N/A
A0.1	CONTEXT PLAN	N/A
A0.2	CONTEXT PLAN	1:500
A0.3	MATERIAL BOARD	N/A
A1.0	LEVEL P3 PLAN	1:200
A1.1	LEVEL P2 PLAN	1:200
A1.2	LEVEL P1 PLAN	1:200
A2.0	LEVEL G PLAN	1:200
A2.1	LEVEL 1 PLAN	1:200
A2.2	LEVEL 2 PLAN	1:200
A2.3	LEVEL 3-6 PLAN	1:200
A4.0	ELEVATIONS	1:200
A4.1	ELEVATIONS	1:200
A5.0	UNIT PLANS	1/4"=1'-0"
A5.1	UNIT PLANS	1/4"=1'-0"
A5.2	UNIT PLANS	1/4"=1'-0"

BUILDING AREA BREAKDOWN

	LEVEL G AREA	LEVEL 1 AREA	LEVEL 2 AREA	LEVEL 3 AREA	LEVEL 4 AREA	LEVEL 5 AREA	LEVEL 6 AREA	TOTAL FAR AREA
RESIDENTIAL SOUTH	1,253.4 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	1,253.4 S.F.
RESIDENTIAL NORTH	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.
COMMERCIAL SOUTH	0.0 S.F.							0.0 S.F.
COMMERCIAL NORTH	0.0 S.F.							0.0 S.F.
AMENITY		3,951.5 S.F.						EXCLUDE
	1,253.4 S.F.	3,951.5 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	0.0 S.F.	1,253.4 S.F.
SITE AREA (GROSS):	103,450.5 S.F.						DENSITY:	0.01
SITE AREA (NET):	84,891.4 S.F.						DENSITY:	0.01

UNIT AREA BREAKDOWN

UNIT NAME	UNIT TYPE	UNIT AREA	LEVEL G UNITS	LEVEL 1 UNITS	LEVEL 2 UNITS	LEVEL 3 UNITS	LEVEL 4 UNITS	LEVEL 5 UNITS	LEVEL 6 UNITS	TOTAL UNITS	% OF UNITS		TOTAL FAR AREA
A1	1 BED	557.3 S.F.	0	1	2	2	2	2	2	11	3.8%	5.5%	6,130.7 S.F.
A2	1 BED	602.2 S.F.	0	0	1	1	1	1	1	5	1.7%		3,010.9 S.F.
B1	1 BED + DEN	612.7 S.F.	0	10	17	17	17	17	17	95	32.9%		58,203.3 S.F.
B2	1 BED+DEN (Adaptable)	608.1 S.F.	0	1	2	2	2	2	2	11	3.8%	40.8%	6,689.2 S.F.
B3	1 BED+DEN (Adaptable)	633.7 S.F.	0	2	2	2	2	2	2	12	4.2%		7,604.8 S.F.
C1	JR. 2 BED	754.2 S.F.	0	9	9	9	9	9	9	54	18.7%	19.7%	40,725.0 S.F.
C2	JR. 2 BED (TH)	768.8 S.F.	3	0	0	0	0	0	0	3	1.0%		2,306.5 S.F.
D1	2 BED	850.0 S.F.	0	8	9	9	9	9	9	53	18.3%		45,050.0 S.F.
D2	2 BED	729.6 S.F.	0	1	3	3	3	3	3	16	5.5%	24.2%	11,673.8 S.F.
D3	2 BED	830.2 S.F.	1	0	0	0	0	0	0	1	0.3%		830.2 S.F.
E1	2 BED + DEN	916.0 S.F.	0	0	0	0	2	2	2	6	2.1%		5,496.0 S.F.
E1-A	2 BED+DEN (Adaptable)	916.0 S.F.	0	2	2	2	0	0	0	6	2.1%	5.9%	5,496.0 S.F.
E2	2 BED + DEN	857.3 S.F.	0	0	1	1	1	1	1	5	1.7%		4,286.6 S.F.
F1	3 BED	915.7 S.F.	0	1	2	2	2	2	2	11	3.8%	3.8%	10,072.7 S.F.
			4	35	50	50	50	50	50	289	100.0%		207,575.8 S.F.
AVERAGE UNIT SIZE:													718.3 S.F.
SITE AREA (NET):		84,891.4 S.F.								RESIDENTIAL DENSITY:			2.45

TOTAL UNIT PER BUILDING:

SOUTH BUILDING	0	10	25	25	25	25	25	135	
NORTH BUILDING	4	25	25	25	25	25	25	154	

CICCOZZI ARCHITECTURE
15TH FLOOR
1095 WEST PENDER STREET
VANCOUVER, B.C.
CANADA V6E 2M6
TEL: (604) 687-4741

PROJECT: 20069 80th AVENUE LANGLEY, BC

DRAWN: AA | CHECKED BY: RC | SCALE: N/A | PROJECT NO: 692

SHEET TITLE: COVER SHEET

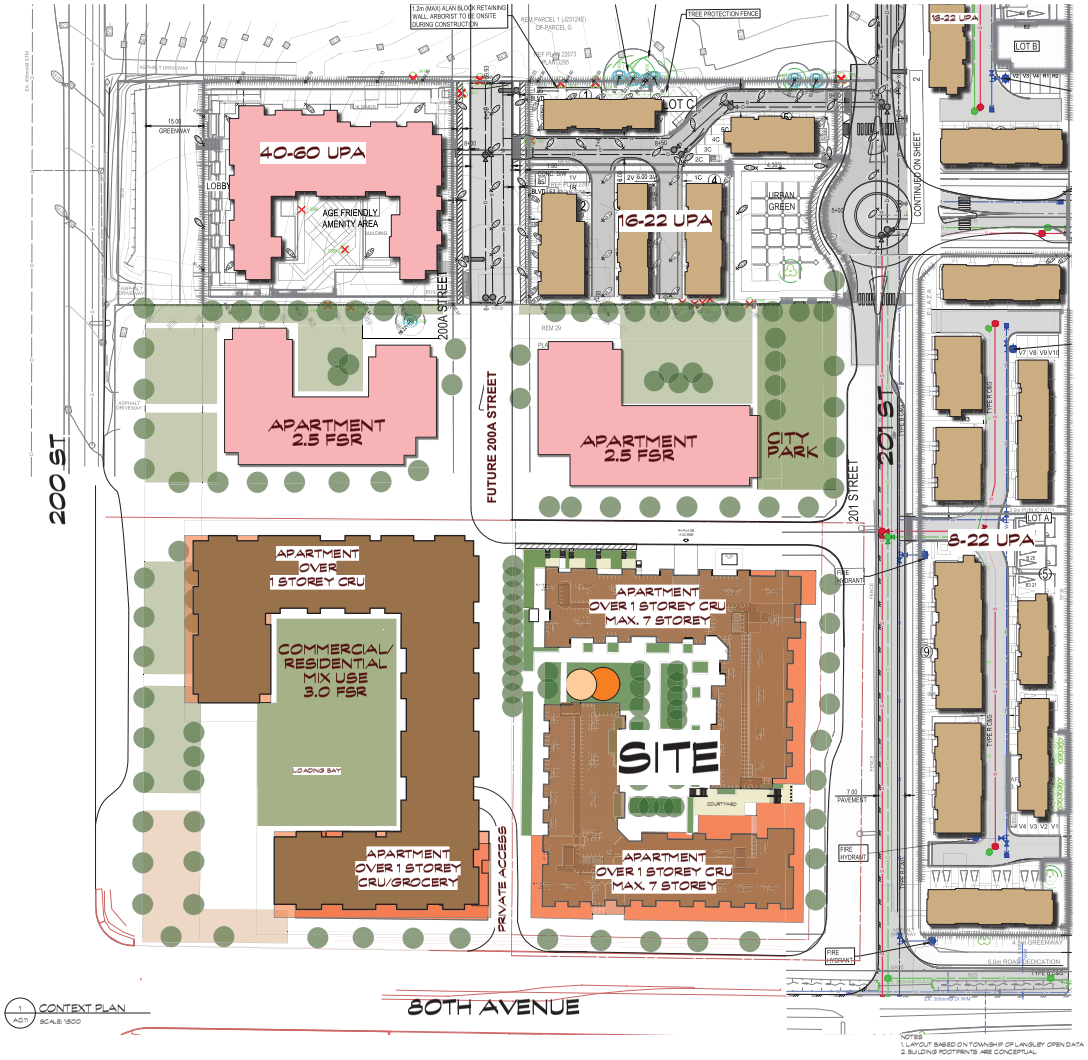
REVISION NO: - | SHEET NO: A0.0

SCHEDULE A

I.2

NEIGHBORHOOD CONTEXT

FUTURE DEVELOPMENT



pmg LANDSCAPE ARCHITECTS
POLLYCO GROUP OF COMPANIES
CICCOZZI ARCHITECTURE

CICCOZZI ARCHITECTURE
15TH FLOOR
1095 WEST PENDER STREET
VANCOUVER, B.C.
CANADA V6E 2M6
TEL: (604) 687-4741

REVISION:

NO.:	DATE:	DESCRIPTION:

ISSUE:

DATE:	DESCRIPTION:
10.07.20	ISSUED FOR DP
27.10.2021	DEVELOPMENT PERMIT REVISIONS

PROJECT:
20069 80th AVENUE
LANGLEY, B.C.

DRAWN:	CHECKED BY:
AA	RC
SCALE:	PROJECT NO.:
1:500	CA 682

SHEET TITLE:
Context Plan

REVISION NO.:	SHEET NO.:
-	A0.11

REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

I.2

MATERIAL BOARD

MATERIALS USED

1 PAINTED HARDIE PANEL W/ REVEAL SYSTEM
SMOOTH FINISH
BENJAMIN MOORE
CC-30 OXFORD WHITE

2 PAINTED HARDIE PANEL W/ REVEAL SYSTEM
SMOOTH FINISH
BENJAMIN MOORE
AR-705 CINDER

3 PAINTED HARDIE SIDING
SMOOTH FINISH
BENJAMIN MOORE
OW-280 ENGLISH OCHRE

4 BRICK VENEER
MUTUAL MATERIAL CO.
HARBOR MIST

5 PAINTED CONCRETE
BENJAMIN MOORE
HC-178 CHARCOAL SLATE

6 PAINTED CONCRETE
SACK RUBBED

7 PREFINISHED METAL PANEL
MAKIN METALS
COLOUR: WHITE

8 ALUMINUM PRIVACY SCREEN & GLASS
ANODIZED BLACK FRAME
FROSTED OR FRITTED GLASS

9 VINYL WINDOW & SLIDING DOORS
COLOUR: WHITE
(WHITE AT INTERIOR)

10 PREFINISHED ALUM. & CLEAR GLASS GUARDS
BLACK FRAME
CLEAR GLASS

11 ALUMINUM STOREFRONT
FRAME: WHITE
CLEAR GLASS

12 TRESPA EXTERIOR PANEL
OCHRE

PARTIAL ELEVATION



REVISION:
NO. | DATE | DESCRIPTION

ISSUE:
NO. | DATE | DESCRIPTION
1 | 10.07.20 | ISSUED FOR DP

SEAL:

CICCOZZI ARCHITECTURE
15TH FLOOR
1095 WEST PENDER STREET
VANCOUVER, B.C.
CANADA V6E 2M6
TEL: (604) 687-4741

PROJECT:
20069
80th AVENUE
LANGLEY, BC

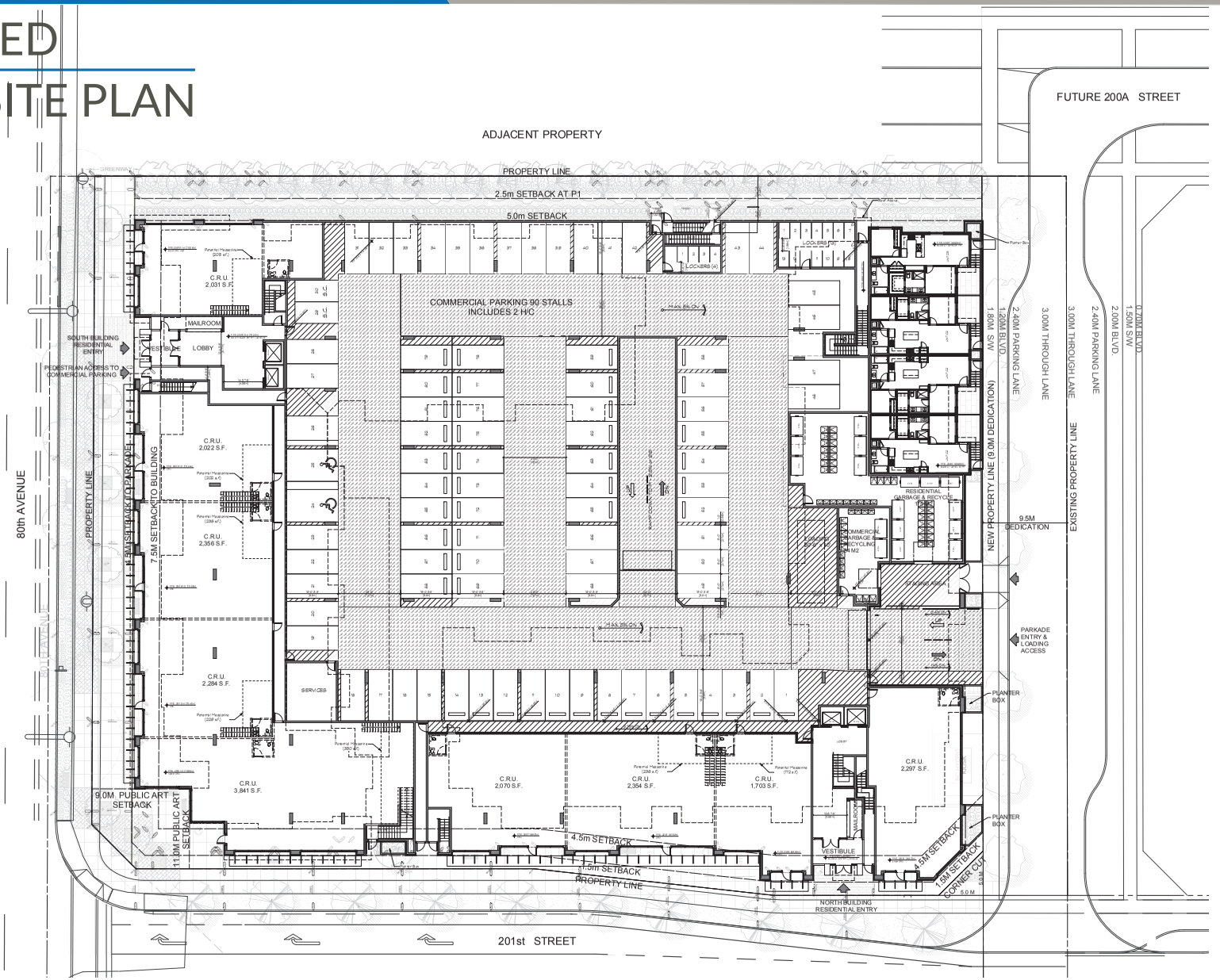
DRAWN: AA | CHECKED: RC
SCALE: N/A | PROJECT NO: 052
SHEET TITLE: MATERIAL BOARD

REVISION NO: - | SHEET NO: A0.3

REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

I.2

PROPOSED SITE PLAN



REVISION:

NO.	DATE	DESCRIPTION

ISSUE:

DATE	DESCRIPTION
10.27.20	ISSUED FOR DP
27.10.2022	DEVELOPMENT PERMIT REVISIONS
14.04.2023	DEVELOPMENT PERMIT REVISIONS

SEAL:

CICCOZZI ARCHITECTURE
15TH FLOOR
1095 WEST PENDER STREET
VANCOUVER, B.C.
CANADA V6E 2M6
TEL: (604) 687-4741

NORTH

PROJECT:
20069 80th AVENUE
LANGLEY, BC

DRAWN:	CHECKED BY:
AA	RC
SCALE: 1:200	PROJECT NO: 852

SHEET TITLE: LEVEL G PLAN

REVISION NO:	SHEET NO:
-	A2.0

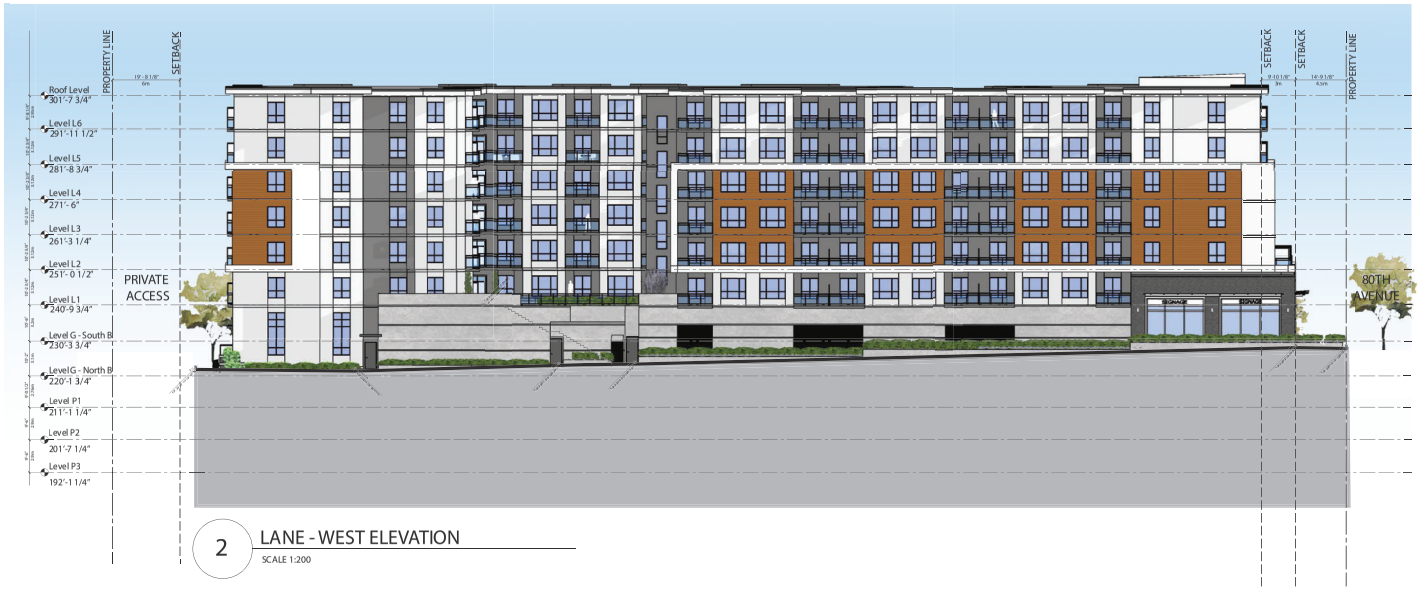
REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

I.2

NORTH & WEST ELEVATIONS



1 PRIVATE ACCESS - NORTH ELEVATION
SCALE 1:200



2 LANE - WEST ELEVATION
SCALE 1:200

REVISION:

NO.	DATE	DESCRIPTION

ISSUE:

DATE	DESCRIPTION
2020.07.20	ISSUED FOR DP
2021.02.02	DEVELOPMENT PERMIT REVISIONS

SEAL:

CICCOZZI ARCHITECTURE
15TH FLOOR
1095 WEST PENDER STREET
VANCOUVER, B.C.
CANADA V6E 2M6
TEL: (604) 687-4741

PROJECT:
20069
80th AVENUE
LANGLEY, BC

DRAWN:	CHECKED BY:
AA	RC
SCALE: 1:200	PROJECT NO.: 682

SHEET TITLE:
ELEVATIONS

REVISION NO.:	SHEET NO.:
-	A4.0

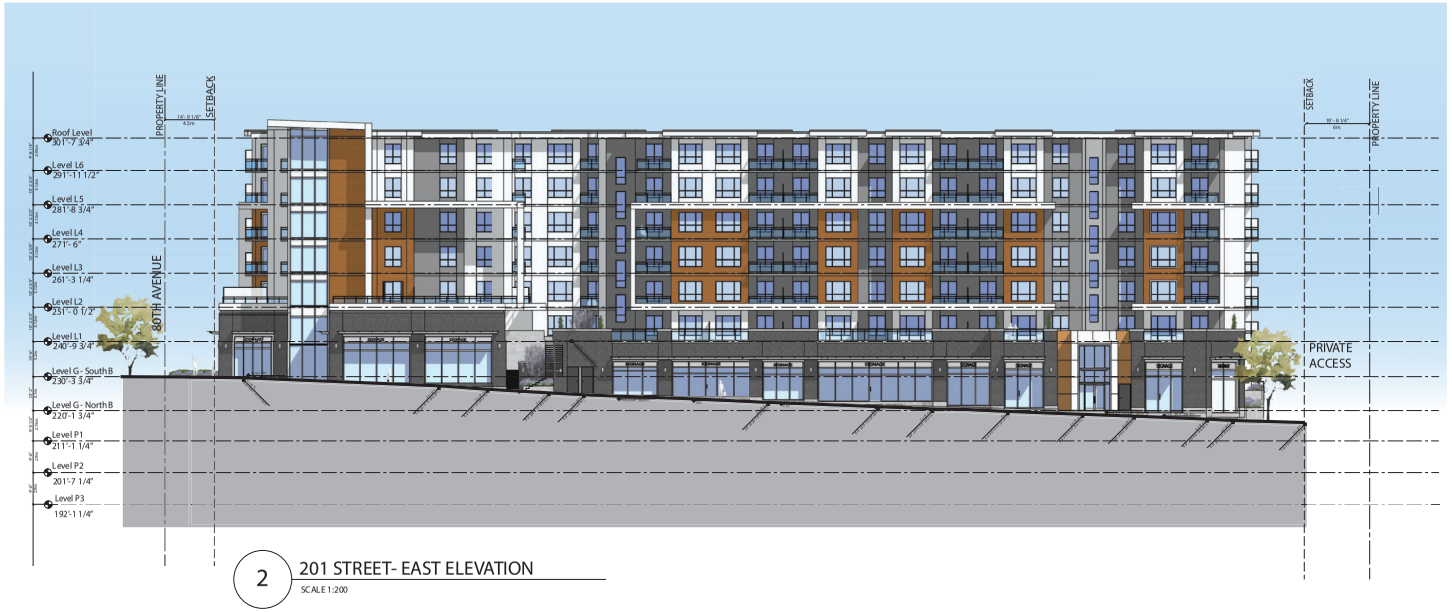
REGISTERED ARCHITECT
CARL CICCOZZI
BRITISH COLUMBIA

I.2

SOUTH & EAST ELEVATIONS



1 80TH AVENUE - SOUTH ELEVATION
SCALE 1:200



2 201 STREET- EAST ELEVATION
SCALE 1:200

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1095 WEST PENDER STREET
VANCOUVER, B.C.
CANADA V6E 2M6
TEL: (604) 687-4741

20069 80th AVENUE
LANGLEY, BC

ELEVATIONS

A4.1



View from corner of 80th Avenue and 201 Street looking South West - buildings 1 & 2



View from 201 Street looking South West - Entrance to building 2



View from 80th Avenue looking north east - entance to building 1 & access to rear lane connecting to north end of site



View along 201 Avenue looking west - entrane to level 1 Amenity



View from Side lane looking south east - private access. Underground access and townhomes





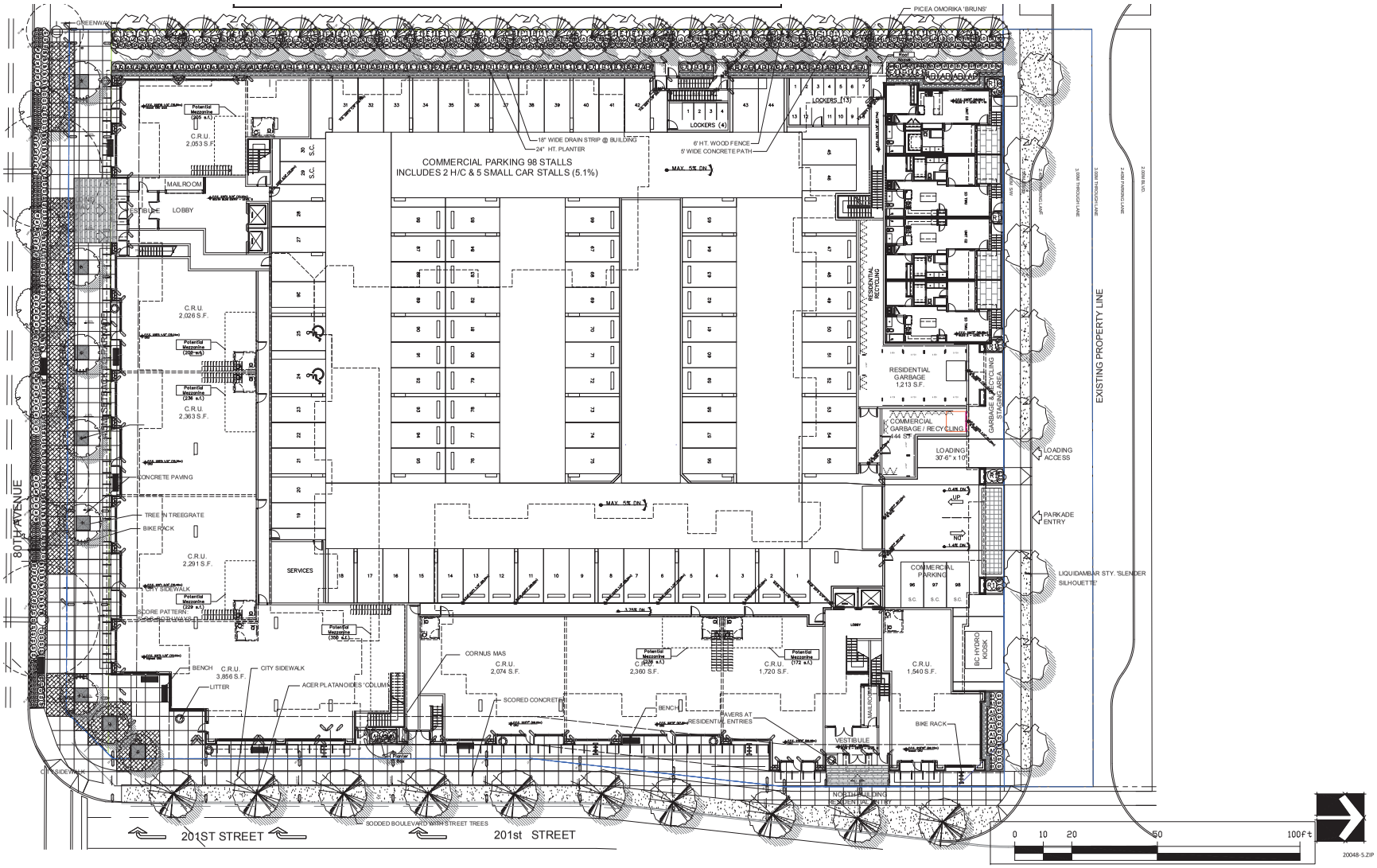




Views of Level 1 Courtyard/Outdoor Amenity space

LANDSCAPE

PLAN LEVEL G



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Suite C100 - 4185 Still Creek Drive
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p: 604 294-0011 ; f: 604 294-0022

SEAL:

NO.	DATE	REVISION DESCRIPTION	DR.
7	21.OCT.26	REVISIONS PER FLOOR PLAN COORDINATION	MM
6	21.JULY.16	ISSUE FOR DP	MM
5	21.JUNE.08	ISSUE FOR DP	MM

CLIENT:

PROJECT:
COMMERCIAL/ RESIDENTIAL DEVELOPMENT
20069 80TH AVE.
LANGLEY, B.C.

DRAWING TITLE:
GROUND FLOOR LANDSCAPE PLAN

DATE:	20.APR.06	DRAWING NUMBER:
SCALE:	1/16"=1'-0"	**L1**
DRAWN:	MM	
DESIGN:	MM	
CHK'D:	HCY	OF 6
PROJECT NUMBER:		**20-048**

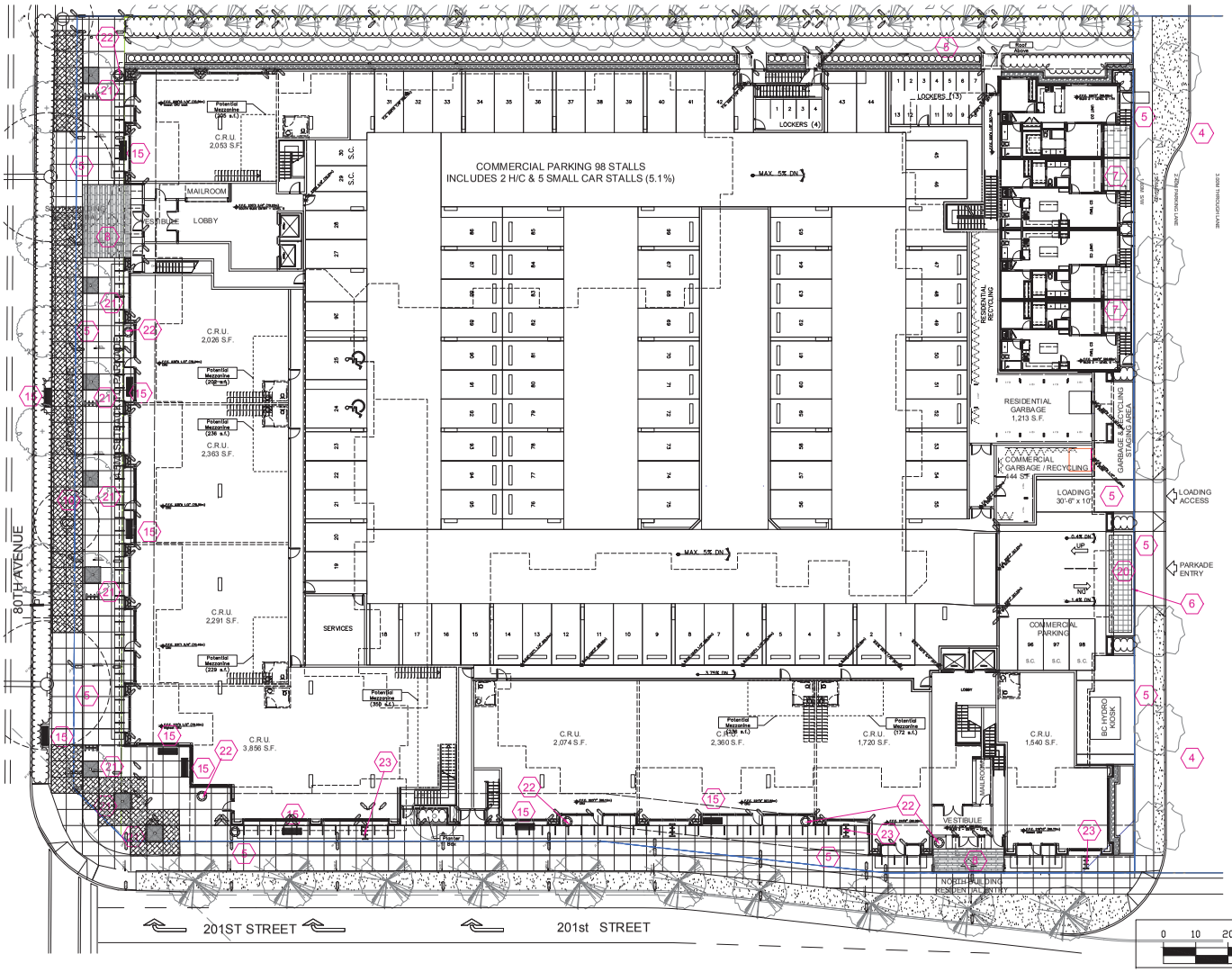
SCHEDULE B

REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

L.2

LANDSCAPE

MAT PLAN



MATERIALS LEGEND

1. 42" HT. WOOD FENCE
2. 6' HT. WOOD FENCE
3. GRAVEL STRIP AT BUILDING
4. ASPHALT PAVING
5. CONCRETE
6. CONCRETE BAND
7. BARKMAN CONCRETE:: BROOKSIDE SLABS, COLOUR - SIERRA GREY
8. BARKMAN PAVERS: BROADWAY PLANKS - PATTERN 11, COLOUR MIX STERLING, ASH & CHARCOAL
9. BARKMAN PAVERS: ARBOURWOOD SLABS - OFFSET RUNNING BOND TIMBER WOLF GREY
10. ** STRUCTURAL SOIL
12. FIBAR IN DOG PARK
13. SOLUS DECOR HEMI FIREBOWL COLOUR PORTLAND
14. WISHBONE INDUSTRIES: NEWPORT CHAIR - RED
15. WISHBONE INDUSTRIES: MODENA BENCH - MAL-6 TEXTURED SILVER
16. HAUSER SAVILLE 36" TABLE GS-16-TT
17. HAUSER SAVILLE SIDE CHAIR GS-4298-SAVILLE-AL
18. HAUSER SAVILLE SIDE CHAIR GS-4298-SAVILLE-AL
19. HAUSER QUANTUM LOVESEAT HS8109-K
20. **PERMEABLE PAVERS - BARKMAN CONCRETE COLONIAL ECO
21. TREE GRATE: DOBNEY SP-48 WITH METAL FRAME
22. WISHBONE INDUSTRIES: LITTER - MCTR-21, SAND SLATS TEXTURED SILVER RAME
23. WISHBONE INDUSTRIES: SURF BIKE RACK- SFBRP-5 TEXTURED SILVER

** SEE CIVIL FOR DRAINAGE AND SUBRADE PREP. FOR ALL PERMEABLE AND STRUCTURAL SOIL LOCATIONS

0 10 20 50 100ft

20048-5.ZIP

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p: 604 294-0011 ; f: 604 294-0022

SEAL:

NO.	DATE	REVISION/DESCRIPTION	DR.
4	21.OCT.26	REVISIONS/DEP COORDINATION	MM
3	20.JULY.26	ISSUED FOR DP	MM
2	20.JUN.26	REVISIONS	MM
1	20.JAN.26	ISSUED FOR DP	MM

CLIENT:

PROJECT:
COMMERCIAL/ RESIDENTIAL DEVELOPMENT
20069 80TH AVE.
LANGLEY, B.C.

DRAWING TITLE:
GROUND FLOOR MATERIALS PLAN

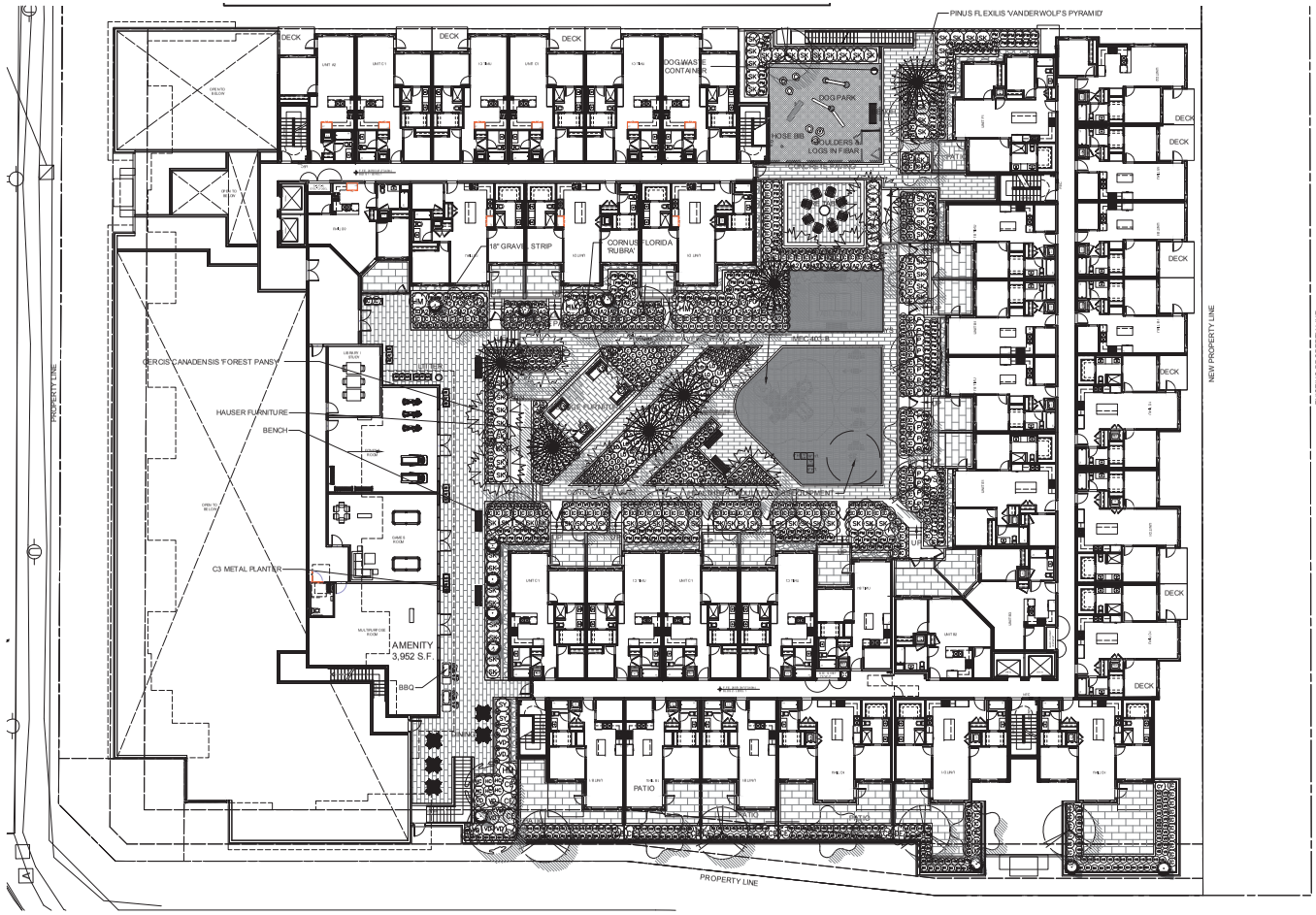
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SCALE:	1/16"=1'-0"		
DRAWN:	MM		
DESIGN:	MM		
CHK'D:	MCY		OF 6
PMG PROJECT NUMBER:			20-048

REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

L2

LANDSCAPE

LEVEL 1 PLAN





20048-5.ZIF

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SEAL:

NO.	DATE	REVISION DESCRIPTION	DR.
4	21 OCT 26	NEW BASEMENT LOOK PLAN COORDINATION	MM
3	26 JULY 16	RELEASE OF DP	MM
2	26 JUN 16	MINOR REVISIONS	MM
1	26 JUN 16	MINOR REVISIONS	MM

CLIENT:

PROJECT:
COMMERCIAL/ RESIDENTIAL DEVELOPMENT
20069 80TH AVE.
LANGLEY, B.C.

DRAWING TITLE:
LEVEL ONE LANDSCAPE PLAN

DATE:	20 APR 06	DRAWING NUMBER:
SCALE:	1/16"=1'-0"	**L3**
DRAWN:	MM	
DESIGN:	MM	
CHK'D:	MCY	OF 6
PMG PROJECT NUMBER:		20-048

REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

L2

LANDSCAPE

L1 MATERIALS



LIGHTING SUMMARY

NOTE: LANDSCAPE LIGHITNG CONCEPT. REFER TO ELECTRICAL ENGINEER TO CONFIRM LOCATIONS AND TYPE OF LIGHTING TO BE USED

BOLLARD - FULL CUTOFF LIGHT DB30 6" ROUND CAST LOUVER IN BLACK AVAILABLE FROM ELEC-TEC SALES LTD.

CANTENARY LIGHTING

MATERIALS LEGEND

1. 42" HT. WOOD FENCE
2. 6' HT. WOOD FENCE
3. GRAVEL STRIP AT BUILDING
4. ASPHALT PAVING
5. SCORED CONCRETE (5' X 5' PATTERN)
6. CONCRETE BAND
7. BARKMAN CONCRETE:: BROOKSIDE SLABS, COLOUR - SIERRA GREY
8. BARKMAN PAVERS: BROADWAY PLANKS - PATTERN 11, COLOUR MIX - STERLING, ASH & CHARCOAL
9. BARKMAN PAVERS: ARBOURWOOD SLABS - OFFSET RUNNING BOND TIMBER WOLF GREY
10. ** STRUCTRURAL SOIL
12. FIBAR IN DOG PARK
13. SOLUS DECOR HEMI FIREBOWL COLOUR PORTLAND
14. WISHBONE INDUSTRIES: OKANAGAN LOUNGE CHAIR, SAND SLATS, TEXTURED SILVER FRAME
15. WISHBONE INDUSTRIES: MODENA BENCH - MAL-6 TEXTURED SILVER
16. HAUSER SLAT - SKY 31.5" TABLE HSIS106-BK - BLACK
17. HAUSER: MESA SIDE CHAIR HS881321 - BLACK, AND
18. HAUSER QUANTUM LOVESEAT HS8109-K
19. RUBBER SURFACING: PLAYFALL IN BLUE
20. RAISED WOOD CUBES - VARIOUS HTS.

LANDSCAPE STRUCTURES

HEALTHBEAT - AB CRUNCH/LEG LIFT 192351

HEALTHBEAT - CARDIO STEPPER 192455

HEALTHBEAT - CHEST BACK PRESS 192456

STRUCTURES

TRELLIS WITH CANTENARY LIGHTS

PLAY EQUIPMENT

BIG TOYS MEC-403-B

CORNILLEAU PARK - PING PONG TABLE

0 10 20 50 100ft

2004 8-S.ZIP

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SEAL:

NO.	DATE	REVISION/DESCRIPTION	DR.
3	21.OCT.20	MUNICIPAL/DEP/ LDR PLAN COORDINATION	MM
2	20.JULY.15	RE-ISSUE DP SUB	MM
1	20.JUNE.20	ISSUED FOR DP	MM

CLIENT:

PROJECT:
COMMERCIAL/ RESIDENTIAL DEVELOPMENT
20069 80TH AVE. LANGLEY, B.C.

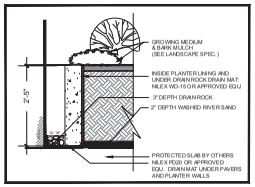
DRAWING TITLE:
LEVEL ONE MATERIALS PLAN

DATE:	20 APR 06	DRAWING NUMBER:
SCALE:	1/16"=1'-0"	L4
DRAWN:	MM	
DESIGN:	MM	
CHK'D:	MCY	OF 6
PMG PROJECT NUMBER:		20-048

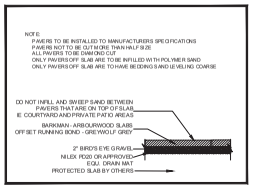
REGISTERED ARCHITECT CARL CICCOZZI BRITISH COLUMBIA

L2

LANDSCAPE DETAILS



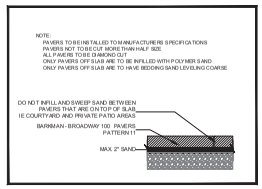
1 DRAIN STRIP AT BUILDING
3/4"=1'-0"



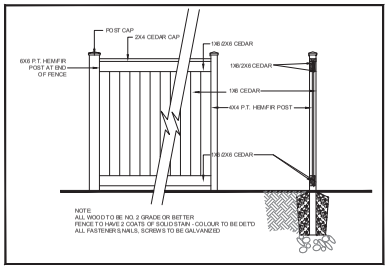
2 BARKMAN - PAVERS ON SLAB
3/4"=1'-0"



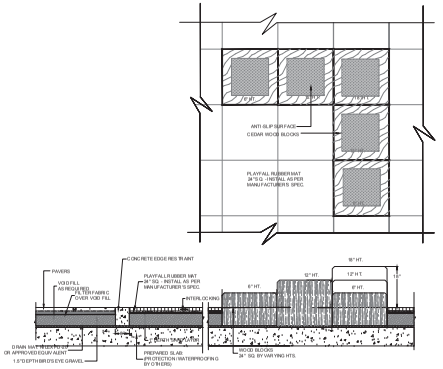
BARKMAN PAVERS: BROADWAY PLANKS - PATTERN 11, COLOUR MIX - STERLING, ASH & CHARCOAL



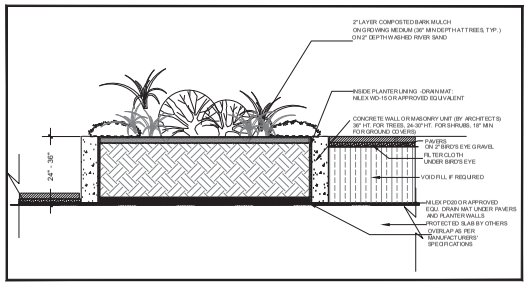
3 BARKMAN - PAVERS ON GRADE
3/4"=1'-0"



4 6' HT. CEDAR FENCE
1/2"=1'-0"



7 PLAY SURFACE ON SLAB
3/4"=1'-0"



5 SHRUB PLANTING ON SLAB
1/4"=1'-0"



WISHBONE INDUSTRIES: MODENA BENCH - MAL-6, MODENA CURVED TOP WASTEMASTR 2.1 - SAND & SLATS & TEXTURED SILVER FRAME



WISHBONE INDUSTRIES: SURF BIKE RACK SRB RP-6, TEXTURED SILVER FRAME



WISHBONE INDUSTRIES: OKANAGAN LOUNGE CHAIR - OLC-3 W SAND SLATS WITH TEXTURED SILVER FRAME



CHILDRENS PLAY: BIG TOYS MEC-403-B



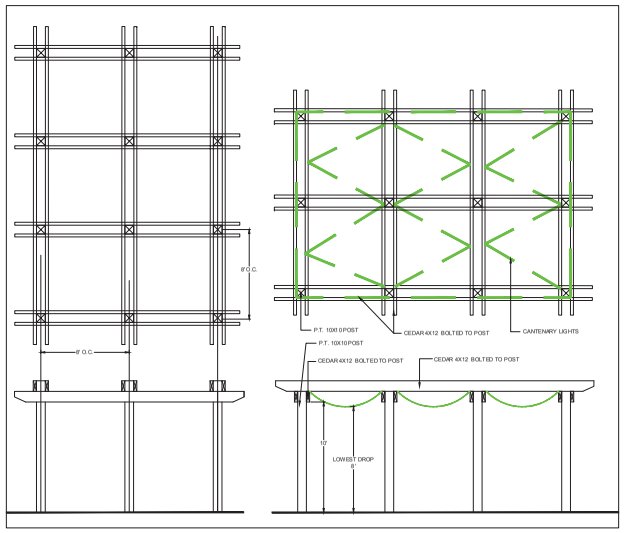
HAUSER QUANTUM LOVESEAT HS8109-K



HAUSER: MESA SIDE CHAIR HS.881.32.1 - BLACK, AND HAUSER SLAT - RETANGULAR TABLE 102" HS71.7448.4 - SLATE BLACK



SOLUS DECOR HEMI FIREBOWL COLOUR PORTLAND



6 PERGOLA IN AMENITY AREA
1/4"=1'-0"

TOWNSHIP OF LANGLEY - STREET TREE PLANTING REQUIREMENTS

GENERAL

1. THE FINAL LOCATION, PLANTING, SPECIES SELECTION AND SIZES SHALL BE COMPLETE TO THE SATISFACTION OF THE MANAGER, GREEN INFRASTRUCTURE SERVICES. THE OWNER IS RESPONSIBLE FOR CONTACTING GREEN INFRASTRUCTURE SERVICES STAFF FOR REVIEW OF PLANTING LOCATION AND OF THE TREE STAKING LOCATIONS - PRIOR TO PLANTING.
2. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A HIGHWAYS USE PERMIT FROM ENGINEERING DIVISION FOR INSTALLING, LOCATING OR TEMPORARILY STORING STREET TREES AND OTHER MATERIAL WITHIN A HIGHWAY (ROAD) RIGHT-OF-WAY, OR IF UNLOADING MAY POTENTIALLY INTERFERE WITH TRAFFIC FLOWS ON PUBLIC ROADS. THIS PERMIT SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF THE OFF-SITE WORKS (TYPICALLY STREET TREE, BOULEVARD & GREENWAY PLANTING).
3. USE TREE INSTALLATION DETAIL TLP 26 & TLP 27.

LOCATION OF PLANTING

4. STREET TREES** SHALL BE SPACED AS NOTED ON THE DRAWINGS, UNLESS OTHERWISE APPROVED BY MANAGER, PARKS DESIGN AND DEVELOPMENT. TREES SHALL BE SIZED AS NOTED ON THE DRAWINGS AND NO LESS THAN 3.0M IN HEIGHT WITH A MINIMUM CLEAR STEM HEIGHT OF 1.8M TO THE LOWEST BRANCH. ACTUAL TREE NUMBERS, SPACING AND LOCATIONS WILL VARY ACCORDING TO SITE CONDITIONS AND AMENITIES.
5. LOCATIONS SHALL BE IDENTIFIED WITH STAKES OF PAINTED MARKING BY THE OWNER. IF UNDERGROUND OBSTRUCTIONS ARE UNCOVERED THESE ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO PLANTING. NOTE: A TREE STAKING REVIEW AND TREE INSPECTION MUST BE REQUESTED BY THE DEVELOPER/CONTRACTOR PRIOR TO TREE PLANTING TAKING PLACE. CONTACT PARKS DESIGN & DEVELOPMENT STAFF DEPARTMENT TO SCHEDULE THE REVIEW.
6. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE T.O.L. URBAN FORESTER.

MINIMUM TREE PLANTING CLEARANCES

7. TREES SHALL HAVE THE FOLLOWING MINIMUM CLEARANCES FROM:

STREET LIGHT POLES	6.0M
UTILITY POLES	3.0M
EDGE OF DRIVEWAY, CURB RETURN	
CATCHBASIN OR ABOVE GROUND UTILITY FACILITY	2.0M
SEWER & DRAINAGE SERVICE CONNECTION	1.5M
MANHOLES, VALVE BOXES, WATER SERVICES	1.2M
EDGE OF TRAVELLANE	1.0M

WHERE THERE IS A BOULEVARD PLANTING STRIP BETWEEN THE BACK OF CURB AND SIDEWALK, TREES SHALL BE PLANTED A MIN. OF 1.0M FROM OUTER OF CURB AND 0.6M FROM BACK OF SIDEWALK.

IN OTHER CIRCUMSTANCES TREES SHALL BE PLANTED 1.0M FROM A SIDEWALK AND 2.0M FROM BACK OF CURB

TREES SHALL BE NO CLOSER TO A ROAD INTERSECTION THAN THE PROJECTION OF AN 8M x 8M SIGHT TRIANGLE, AS SHOWN IN TLP 28.

CONDITION

8. ALL PLANT MATERIAL SHALL BE OF GOOD HEALTH AND VIGOR WITH NO VISIBLE SIGNS OF DISEASE, INSECT PESTS, DAMAGE OR OTHER OBJECTIONABLE DISFIGUREMENTS.
9. ALL PLANT MATERIAL, TOPSOIL, SHIPPING PROCEDURES AND HANDLING PRACTICES SHALL CONFORM TO THE MOST RECENT BC LANDSCAPE STANDARD, SPECIFICATIONS AND GUIDELINES IN FORCE AT THE TIME OF INSTALLATION AND SHALL MEET ALL MINIMUM CRITERIA OF THE SUBDIVISION AND DEVELOPMENT SERVICING BYLAW.

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pmg LANDSCAPE ARCHITECTS
Suite C100 - 4185 Still Creek Drive
Burnaby, British Columbia, V5C 6G9
p: 604 294-0011 ; f: 604 294-0022

SEAL:

NO.	DATE	REVISION DESCRIPTION	DR.
4	21 OCT 26	NEW SITE LAYOUT / DEVELOPMENT PERMIT	MM
3	25 JULY 26	REVISED PER CITY COMMENTS	MM
2	26 JULY 18	ISSUED FOR DP	MM
1	26 JUNE 26	ISSUED FOR REVIEW	MM

CLIENT:

PROJECT:

COMMERCIAL/ RESIDENTIAL DEVELOPMENT

20069 80TH AVE.
LANGLEY, B.C.

DRAWING TITLE:

LANDSCAPE DETAILS

DATE:	20 APR 06	DRAWING NUMBER:
SCALE:	AS NOTED	L5
DRAWN:	MM	
DESIGN:	MM	
CHKD:	MCY	OF 6

PMG PROJECT NUMBER: 20-048

REGISTERED ARCHITECT — CARL CICCOZZI — BRITISH COLUMBIA

L2

Township of Langley
Est. 1873

M E M O R A N D U M

TO:	MAYOR AND COUNCIL	**DATE:**	JULY 07, 2025
FROM:	PUBLIC WORKS DIVISION	**FILE NO:**	5600-05-001
SUBJECT:	2024 ANNUAL WATER QUALITY REPORT		

The purpose of this memorandum is to provide Mayor and Council with information regarding the 2024 Water Quality Report.

The 2024 Water Quality Report documents the results of the Township's drinking water monitoring program between January 1, 2024, and December 31, 2024, including the quality of source well water and water in the distribution system. A copy of the report is included as Attachment A.

The BC Drinking Water Protection Act and Regulations require that all water suppliers prepare and make public an annual water quality report. This report will be posted on the Township of Langley's website. The Fraser Health Authority will also be provided with a copy.

Source water quality met the requirements of the BC Drinking Water Protection Regulation and the Guidelines for Canadian Drinking Water Quality (GCDWQ) for microbial parameters. There was no E. coli or total coliform detected in source water samples.

Some source water samples exceeded the health-based Maximum Acceptable Concentration (MAC) and Aesthetic Objective (AO) for semi-annual routine parameters. Aldergrove Well 10 exceeded the MAC for nitrates, and most wells tested above the MAC for manganese. However, due to the blending and treatment of all Aldergrove wells at the Aldergrove Water Treatment Plant (AWTP), the water delivered to the distribution system meets the Guidelines for Canadian Drinking Water Quality (GCDWQ).

In the distribution system, there was one sample that tested positive for total coliforms. There were no positive samples for E. coli. The positive sample was communicated to Fraser Health, and the area was flushed and resampled in accordance with the Township's Water Emergency Response Plan (WERP), with two consecutive samples testing negative.

The Township follows the GCDWQ-recommended pH operational guideline of 7.0 to 10.5 for finished water. In the distribution system, the average pH was 7.32.

The 2024 water quality monitoring results indicate that the Township's water is potable and safe for public consumption. Staff will continue to seek improvements to the water supply and distribution systems and will work closely with Fraser Health, the Greater Vancouver Water District, and the public to ensure a safe and high-quality water supply for Township residents and businesses.

ATTACHMENT A 2024 Water Quality Report



Annual Water Quality Report

Township of Langley
Est. 1873

2024

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Executive Summary

The Township of Langley 2024 Annual Water Quality Report is required under the British Columbia Drinking Water Protection Regulation. The annual report summarizes the analysis of over 1,500 water quality samples that were collected from the Townships source and water distribution systems and analysed by accredited water testing labs.

The Township's water is sourced from eight (8) groundwater wells and the Greater Vancouver Water District (GVWD). A staff of 62 maintain approximately 600km of water main from source to service connection including flushing, reservoir cleaning and inspection programs. Field staff hold a variety of Environmental Operator Certification Program (EOCP) certifications and are supported by several professional and technical personnel. There are an additional three (3) independent groundwater wells that individually service Brown, Ponder and Williams Parks and are not connected to the Municipal water system.

The Township of Langley continued to uphold its commitment to delivering safe, high-quality drinking water to approximately 133,000 consumers in 2024. The Township's drinking water met the requirements of the DWPR and the Health Canada Guidelines for Drinking Water Quality (GCDWQ). Over 1,500 water samples were collected in 2024, of which one sample tested positive for total coliforms and was swiftly addressed. There were no failed samples from any source waters. Groundwater in Aldergrove continues to be high in iron, manganese and nitrates; but once blended, filtered and treated at the Aldergrove Water Treatment Plant (AWTP) falls within GCDWQ requirements.

Challenges due to aging infrastructure and changing flow patterns continue to be addressed with ongoing replacement strategies, regular maintenance and increased standards for the construction of new water infrastructure.

The Township's multi-barrier approach that encompasses source protection, treatment, and distribution maintenance, ensures that drinking water remains safe and reliable.

The 2024 results confirm that the Township's water is potable and compliant with all regulatory standards, with continuous improvements planned to meet future demands.

Acronyms

AC	Asbestos Cement
ALARA	As Low As Reasonably Achievable
AO	Aesthetic Objective
AWTP	Aldergrove Water Treatment Plant
BTEX	Benzene, Toluene, Ethyl Benzene, Xylene
CCCP	Cross Connection Control Program
CFU/ml	Colony Forming Unit/ml
DWPR	Drinking Water Protection Regulation
EMS	Environmental Monitoring System
EOCP	Environmental Operators Certification Program
GARP	Groundwater At Rick of Containing Pathogens
GCDWQ	Health Canada (September 2022) Guidelines for Canadian Drinking Water Quality
GVRD	Greater Vancouver Regional District
GVWD	Greater Vancouver Water District
HAA	Halo Acetic Acid
HPC	Heterotrophic Plate Count
MAC	Maximum Acceptable Concentration
MDL	Minimum Detectable Level
mg/L	Milligram per Litre
mL	Millilitre
ML	Megalitre
MLD	Megaliter per Day
MPN	Most Probable Number
NTA	Nitrilotriacetic Acid
NTU	Nephelometric Turbidity Unit
PAH	Polycyclic Aromatic Hydrocarbon
pH	Measure of acidity, pH of 7 is neutral
PRV	Pressure Reducing Valve
SCADA	Supervisory Control and Data Acquisition
SRU	Salmon River Uplands
THM	Trihalomethane
TOC	Total Organic Carbon
TOL	Township of Langley
VOC	Volatile Organic Carbon
WERP	Water Emergency Response Plan
WQMRP	Water Quality Monitoring and Reporting Plan (For GVRD and Member municipalities)

Introduction

The BC Drinking Water Protection Regulation (DWPR) requires all water suppliers to produce and make public an annual water quality report. This report, along with previous annual reports is available in PDF format at www.tol.ca.

As the final safeguard for drinking water, a robust water quality monitoring program ensures the safety and cleanliness of the water as well as early detection of issues with drinking water infrastructure.

Home to approximately 150,000 residents and sitting on the traditional territories of the q̓i̓c̓əy̓ (Katzie), q̓ʷɑ:n̓ƛ̓ən̓ (Kwantlen), Máthxwi (Matsqui), and Se'mya'me (Semiahmoo) First Nations communities; the Township of Langley provides water to approximately 133,000 consumers.

This report highlights the Township of Langley's water quality monitoring program and the safety of the water delivered.

Water Source Information

The primary source of water in the Township of Langley is from the Greater Vancouver Water District (GVWD). Water is conveyed to the Township primarily from the Coquitlam Lake Reservoir via the GVWD water network to the Jericho Reservoir located in the Townships Willoughby neighbourhood.

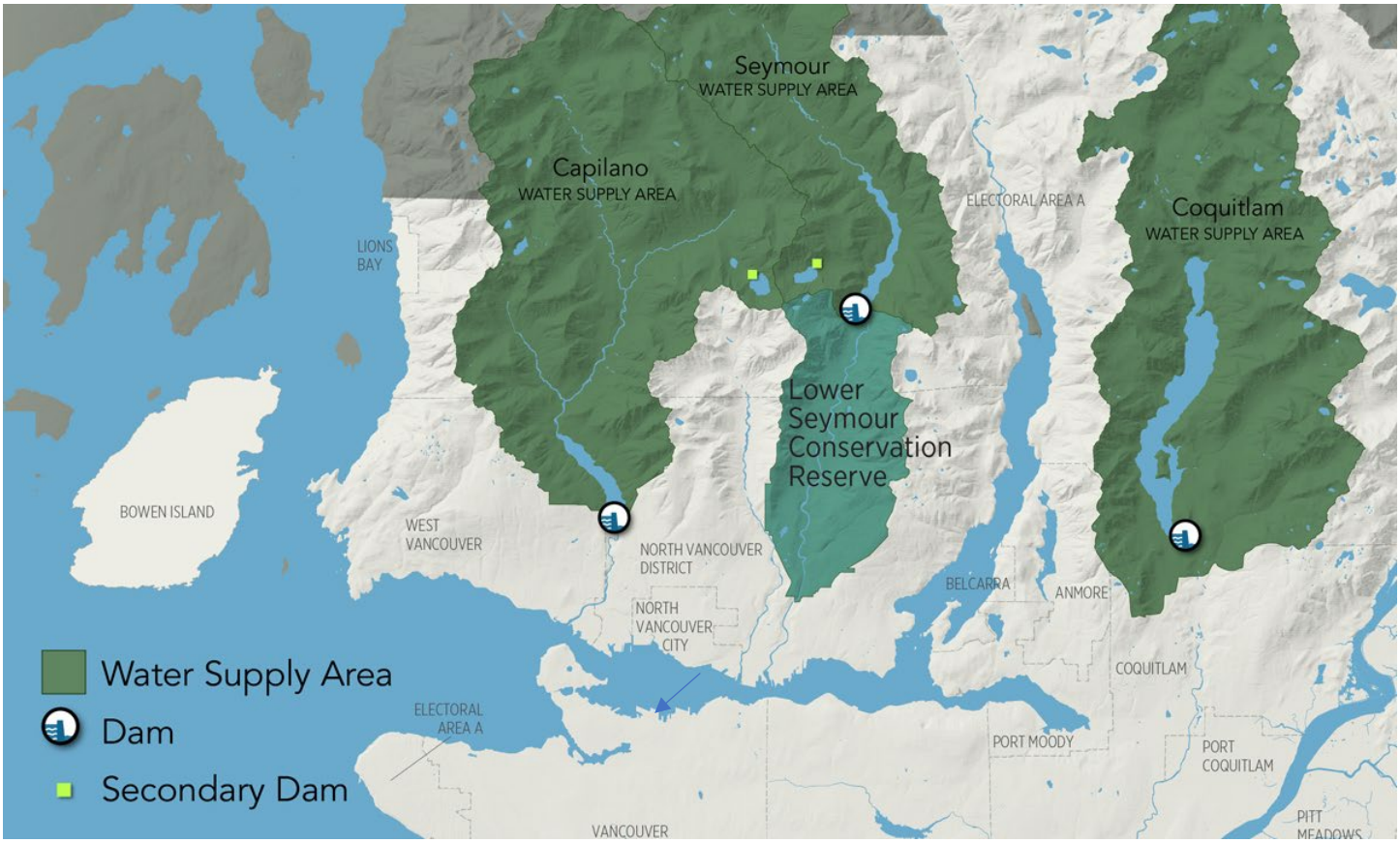


Figure 1: Greater Vancouver Watersheds

Source waters within the Township include the central community of Acadia supplied by two (2) municipal groundwater wells and the eastern community of Aldergrove supplied by six (6) municipal groundwater wells. Aldergrove water is also supplemented by GVWD via the East Langley Watermain.

In addition to the eight (8) municipal groundwater wells, the Township operates three independent water systems servicing Brown, Ponder and Williams Parks.

All wells are secured to minimize access to the well heads.

Those residents not serviced by the Township water utility, access water from either private or community wells.

The water systems within the Township of Langley can be viewed in Figure 2.

Water Treatment Process

Water supplied by the GVWD is treated prior to being conveyed to the Township. The Coquitlam Water Treatment Plant supply is treated with ozone and UV light but is not filtered. Supplemental water from the Seymour Capilano Filtration Plant is filtered, treated with UV light and is subject to pH adjustment.

For more information on GVWD water treatment please see the Greater Vancouver Water District annual water quality report.

Water servicing the community of Aldergrove and industrial area of Gloucester is composed of a blend of GVWD water and groundwater treated at the Aldergrove Water Treatment Plant (AWTP). Water from the Aldergrove wells is generally high in manganese and nitrate. The process of blending, treating and filtering the water from these six (6) groundwater wells at the AWTP causes both substances to meet the desired aesthetic objective (AO) and maximum acceptable concentration (MAC) before entering the water distribution system.

The Township aims to always provide clean and safe drinking water to consumers through its use of chlorination and treatment. Throughout the Township's water distribution system and at the AWTP, a small amount of sodium hypochlorite is added to the water to sustain chlorine residuals for continued disinfection in the water distribution system.

Distribution System Overview

There are four water systems in the Township, Northwest, Southwest, East Langley, and Acadia. The Northwest System also can feed the Eastern System and Murrayville. Water from the Eastern System can feed Murrayville if required. Acadia is an isolated system servicing approximately 29 properties in Central Langley. See Figure 2 below.

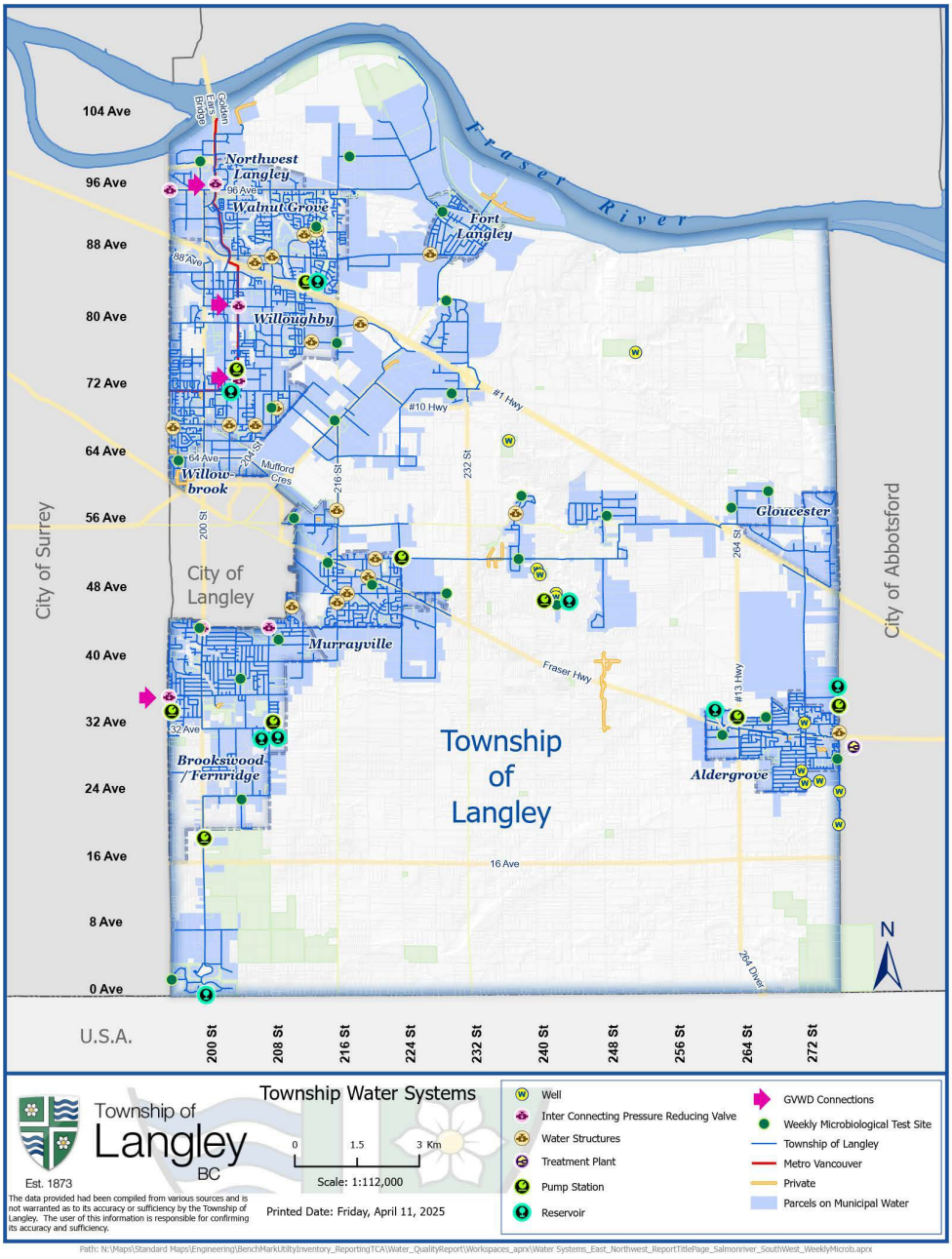


Figure 2: Map of TOL Water Systems and Infrastructure

Williams, Brown, and Ponder Parks each function as individual water systems with no interconnects to the Township municipal water distribution system. Park locations are shown in Figure 3.

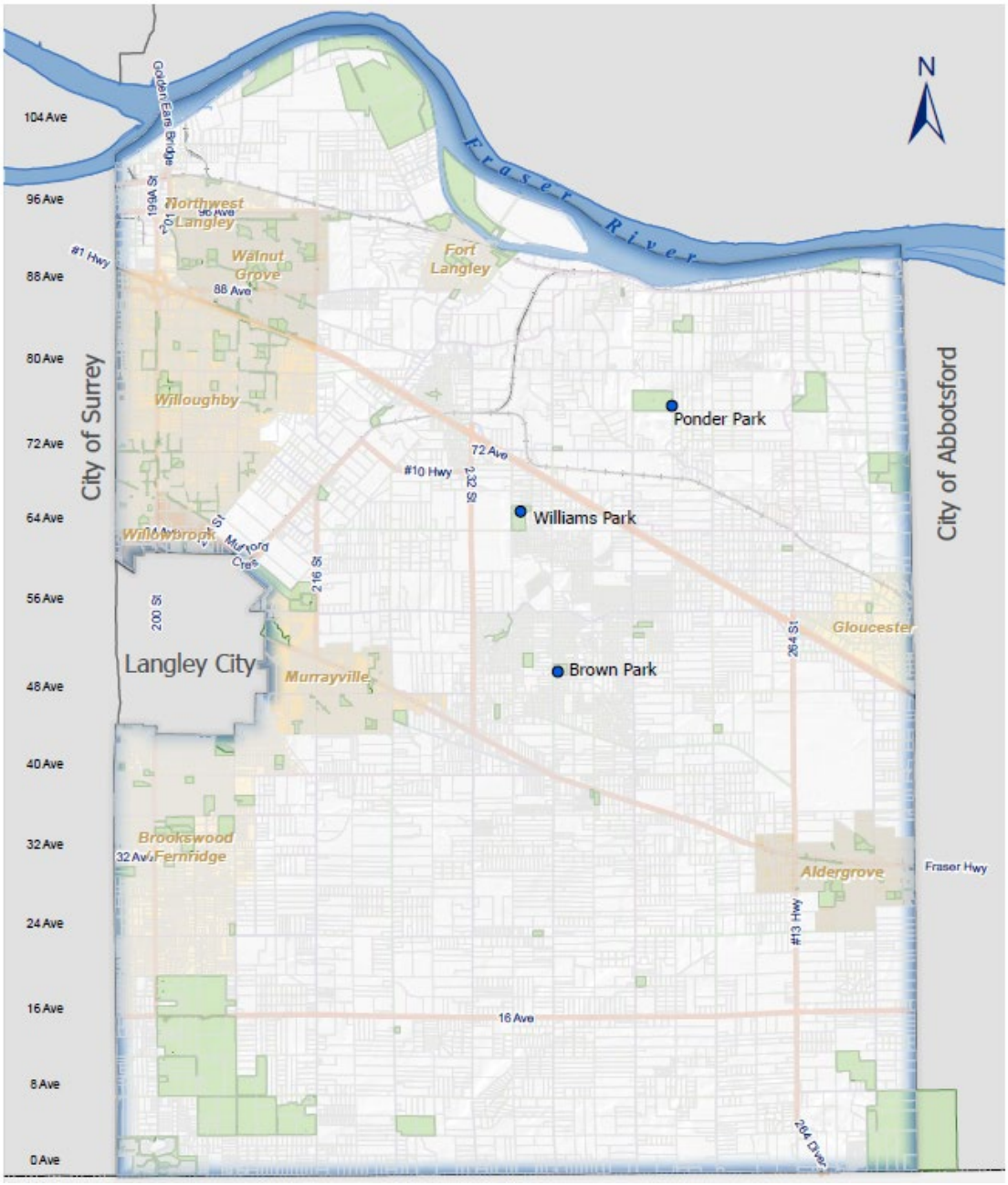


Figure 3: Location of Williams, Brown and Ponder Parks

The Otter Road and Last Chance water systems, centrally located within the Township are community owned water systems and are not operated nor maintained by Township of Langley crews.

In case of emergencies the Township's water is interconnected to the neighboring City of Abbotsford, City of Langley and City of Surrey.

System Inventory

A complete list of infrastructure required to deliver water can be found in Table 1and Table 2below.

Table 1: Water System Infrastructure Locations

Name	Location	Name	Location
48 Avenue PRV	21720 48 Avenue	Labonte PRV	21840 University Drive
216 Street PRV	4681 216 Street	Tall Timber PRV	5765 237A Street
52 Avenue PRV	22132 52 Avenue	96 Avenue PRV	19603 96 Avenue
203 Street PRV	20302 68 Avenue	50 Avenue PRV	4994 220 Street
88 Avenue PRV	22779 88 Avenue	Worrell PRV	6990 210 Street
212 Street PRV	9045 212 Street	206 Street PRV	6795 206 Street
208 Street PRV	8790 208 Street	Acadia Reservoir and Pump Station	4761 242A Street
201 Street PRV	9650 201 Street	Brookswood Reservoirs and Pump Station	20771 32 Avenue
213 Street PRV	9120 213 Street	Brookswood PRV and Pump Station	19638 36 Avenue
87 Avenue PRV	8749 206 Street	Willoughby Reservoir, PRV and Pump Station	20400 73A Avenue
82 Avenue PRV	20415 82 Avenue	Strawberry Reservoir and Pump Station	21212 85 Avenue
Maysfield Crescent PRV	4604 Maysfield Crescent	Murrayville Reservoir and Pump Station	22566 Old Yale Road
196B Avenue PRV	6739 196B Place	Aldergrove West Reservoir and Pump Station	3120 262B Street
Billy Brown PRV	22862 Billy Brown Road	Aldergrove East Reservoir and Pump Station	27595 Quinton Road
78 Avenue PRV	21282 78 Avenue	High Point Reservoir and Pump Station	20020 1 Avenue
70 Avenue PRV	7000 208A Street	19 Avenue Pump Station	1898 200 Street
McLeod PRV	21574 58 Avenue	Brawn Pump Station	5202 224 Street

Table 2: Municipal Well Data

Well Name	Location	EMS	Year Drilled / Redeveloped	Rated Capacity (L/s)	Depth (m)
Acadia Well 1	4791 242A Street	E243968	1973 / 2001 / 2011	4.5	49
Acadia Well 2	4791 242A Street	E218073	2008	3.5	43
Aldergrove Well 4	3210 272 Street	E218079	1977 / 200 / 2010	13	31
Aldergrove Well 6	2520 272 Street	E244334	1995 / 2007 / 2010 / 2013 / 2015	44	34
Aldergrove Well 7	27186 25 Avenue	E218082	1978 / 2004 / 2010 / 2014	44	34
Aldergrove Well 8	2623 271A Street	E218081	1985 / 2002 / 2003 / 2009	57	44
Aldergrove Well 9	27598 Simpson Road	E259837	2004 / 2009	30	41
Aldergrove Well 10	2071 Lefeuvre Road	E259838	2005 / 2012	45	50
Williams Park Well	68 Avenue and 238 Street	N/A	1979	0.95	77
Brown Park Well 1	5022 240 Street	N/A	2007	1.89	68
Brown Park Well 2	5022 240 Street	N/A	1981	1.58	19
Ponder Park Well	25199 76 Avenue	N/A	1982	0.63	67

Township water is supplied through approximately 600 kilometres of water main with 67% being constructed of PVC pipe. The Township's water distribution network consist of 1% of pipe that was installed before the 1970's. The largest expansion of the water distribution network came in the decade of the 1970's where 25% of the total length was installed. A full breakdown of material and system age can be seen in Appendix E.

Annual Water Demand

The Annual Water Demand in 2024 was 17,860 ML, of which approximately 1,429 ML (8%) was supplied from Township groundwater and the remaining 16,431 ML (92%) by GVWD. In 2024 the Township experienced a 1.4% increase in population and a 3.3% decrease in water usage compared with 2023. Table 3 below shows the annual water volume by source.

Table 3: Water Consumption by Source

		2022	2023	2024
NW Langley				
	Fort Langley #2	2,629,629	0	0
	201 PRV	2,171,457	4,631,160	4,309,506
	82 PRV	2,975,359	3,046,716	2,862,450
	Willoughby BPS	877,090	1,000,856	768,934
	Willoughby PRV	1,901,367	2,097,756	2,597,229
	206 PRV	677,059	730,437	683,131
	Worrell PRV	99,578	480,890	551,336
	Total	**11,331,537**	**11,987,813**	**11,772,586**
S Langley				
	McLeod PRV	379,138	410,243	360,285
	36 Ave-MV	2,485,331	1,688,457	2,287,558
	Brawn-Murrayville	323,544	1,519,268	638,091
	Total	**3,188,013**	**3,617,968**	**3,285,934**
E Langley				
	Brawn	1,783,138	1,420,846	1,377,031
	AWTP	1,174,887	1,493,681	1,415,382
	Total	**2,958,025**	**2,914,527**	**2,792,413**
	GVWD - Jericho	**13,673,060**	**17,026,627**	**16,435,550**
	Groundwater	**3,813,523**	**1,505,875**	**1,424,656**
	GVWD – North Feed			

The average residential per capita water usage in 2024 is estimated to be 234 L/capita/day. This is an 11% decrease from the approximate 264 L/capita/day in 2023.

Water Quality Monitoring

The GCDWQ promotes *"the use of a multibarrier approach that includes source water protection, adequate treatment including disinfection, and the well maintained distribution system can reduce microorganisms to levels that have not been associated with illness, as well as meet the guidelines…"*

The Township follows a routine BC DWPR water sampling and testing program to maintain the delivery of safe, high quality drinking water to its consumers. EOCP certified Water Distribution Operators take samples and test water at local supply sources and various points throughout the water distribution system. Weekly water samples are tested at a Township contracted lab and the GVWD Lab, both of which are Canadian Association for Laboratory Accreditation (CALA) certified for testing of routine physical and microbiological parameters as per Schedule A of the BC DWPR. Quarterly, summer and winter samples are also collected and tested for microbial, chemical, and physical parameters. The GVWD also samples water prior to it entering the Township's distribution system.

Table 4: Drinking Water Quality Guidelines - Water Quality Standards for Potable Water

Schedule A	
Water Quality Standards for Potable Water	
Parameter	Standard
Fecal coliform bacteria	No detectable fecal coliform bacteria per 100 ml
Escherichia coli	No detectable Escherichia coli per 100 ml
Total coliform bacteria	
a. 1 sample in a 30 day period	No detectable total coliform bacteria per 100 ml
b. more than 1 sample in a 30-day period	At least 90% of samples have no detectable total coliform bacteria per 100 ml and no sample has more than 10 total coliform bacteria per 100 ml

The BC DWPR, Schedule B, sets the minimum number of water samples required based on the population serviced. The Township, on average, collects 112 water samples monthly which exceeds the 94 samples required of a serviced population of 133,000.

Table 5: Drinking Water Quality Guidelines - Frequency of Monitoring Samples for Prescribed Water Supply Systems

Schedule B	
Frequency of Monitoring Samples for Prescribed Water Supply Systems	
Population Served by the Prescribed Water Supply System	Number of Samples per Month
Less than 5,000	4
5,000 to 90,000	1 per 1,000 of population
More than 90,000	90 plus 1 per 10,000 of population in excess of 90,000

Samples are routinely collected from each of the 31 sample stations throughout the Township and are then passed onto accredited labs for analysis. Sample station locations can be seen in Figure 2. Stations are strategically placed in the water distribution system to give a representative look into water quality within the entire system. The Township maintains a rigorous sampling program to ensure the safety of water.

Distribution Water Sampling

Weekly samples are tested for the following chemical, physical, and microbiological parameters:

- Colour
- pH
- turbidity
- free chlorine
- temperature
- conductivity
- Heterotrophic Plate Counts (HPCs)
- Total coliforms
- E. coli

A representative selection of locations are sampled semi-annually for metals and hardness.

Source Water Sampling

Groundwater wells are sampled on a quarterly basis for E. coli, total coliforms and HPCs. They are sampled semi-annually for the following:

- Total and dissolved metals
- Organics
- Inorganics
- Pesticides and herbicides

Gross Alpha and Beta radionuclides are tested for on an annual basis in all groundwater wells.

Source Water Protection

A Water Demand Management Strategy, to assist with the long term management of municipal water supplies, was completed in 2007. Since completing this strategy, Township staff have been working to implement its recommendations. The Township worked with the Province of British Columbia to develop a water management plan in 2009, which aims to provide safe and sustainable groundwater for our community. Implementation of recommendations from the Water Management Plan has included a contaminant inventory of potential threats to municipal well capture zones, and a pesticide awareness campaign. The Water Wise program has been in place for nearly 15 years and continues to provide education and incentives to the public to protect groundwater from contamination and to conserve water. The Water Sustainability Act came into force in February 2016. This Act replaced the Water Act and ensured a commitment to secure and healthy water for current and future generations by protecting water flows for ecosystems and fish and including requirements for groundwater use and licensing, well construction and maintenance, dam safety, and compliance.

Results and Analysis

Complete results for the Township’s water sampling program can be seen in the appendix documents.

Bacterial

In 2024 there were 1,434 samples analysed for bacteria within the distribution system and a further 88 samples taken at the groundwater wells and AWTP. The results of these samples can be seen in Figure 4 through Figure 6. The single positive total coliform result was taken at sample station ‘P’ in February. Upon notification, the system was flushed and resampled to negative total coliform test results. The Township water systems had 99.93% of their total samples produce negative results for any microbiological presence.

There were zero total coliform hits at source water locations including Brown, Williams and Ponder parks.

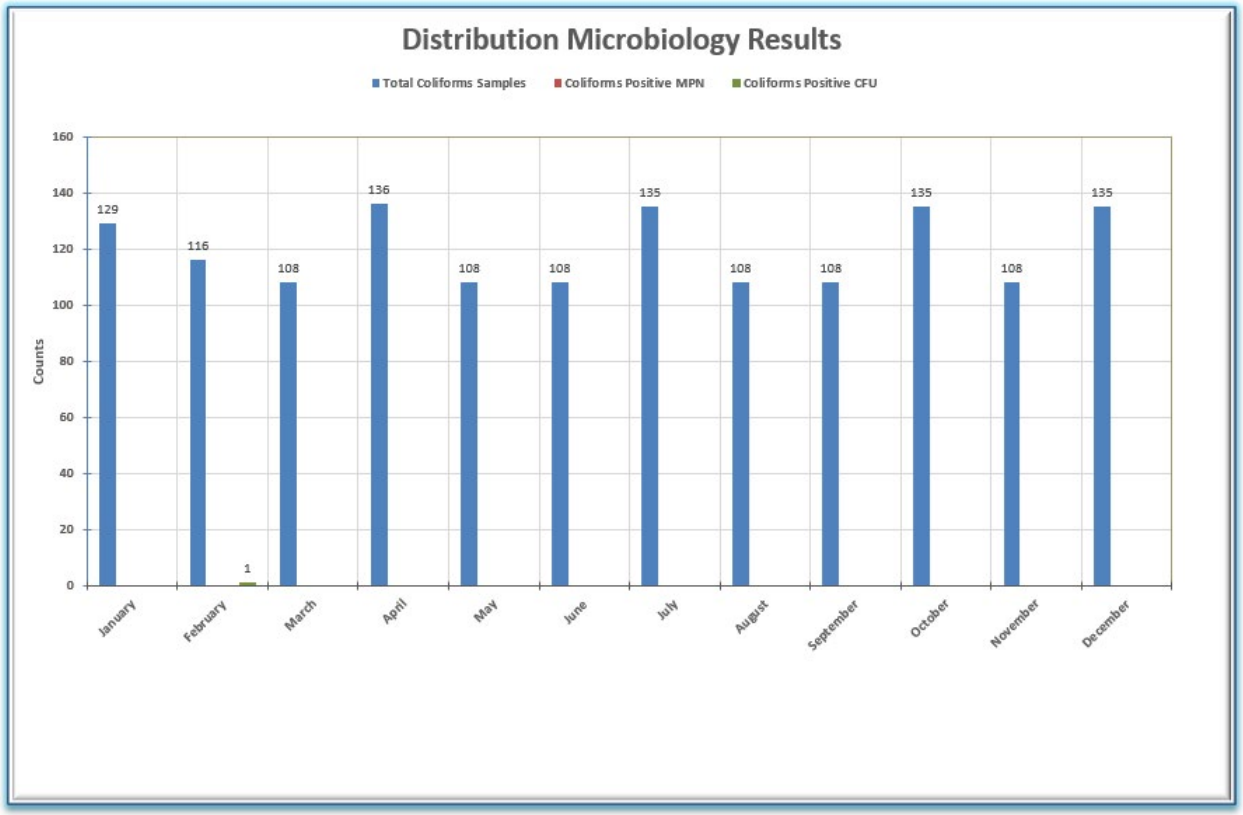


Figure 4: Distribution System Bacterial Sample Numbers and Positive Results

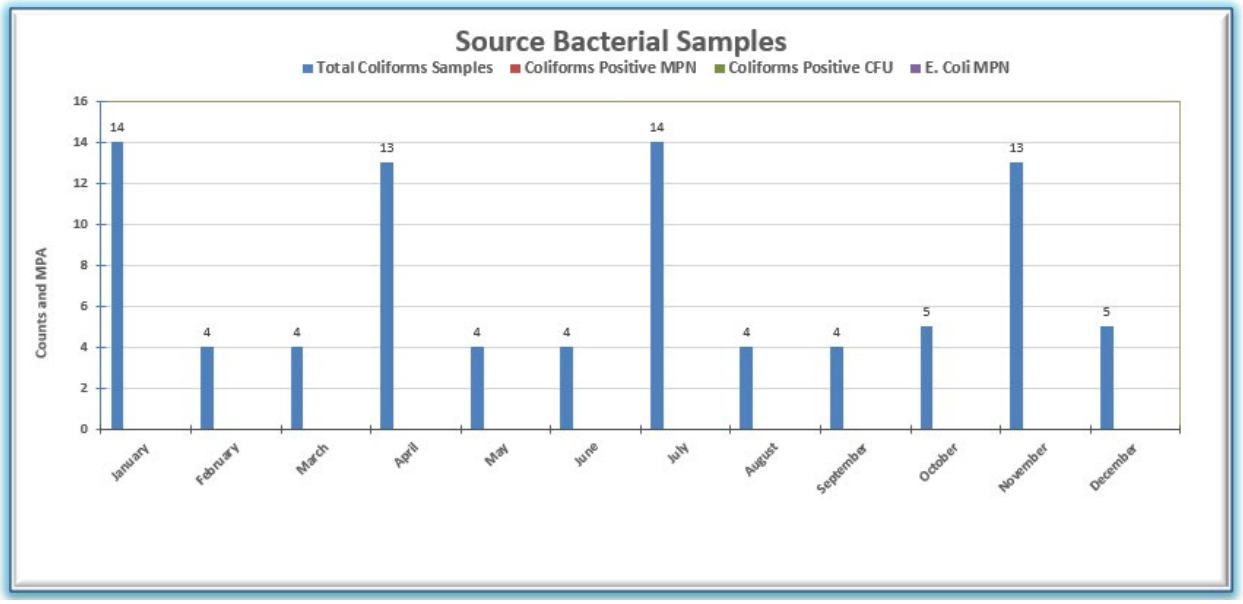


Figure 5: Source Water Bacterial Sample Numbers

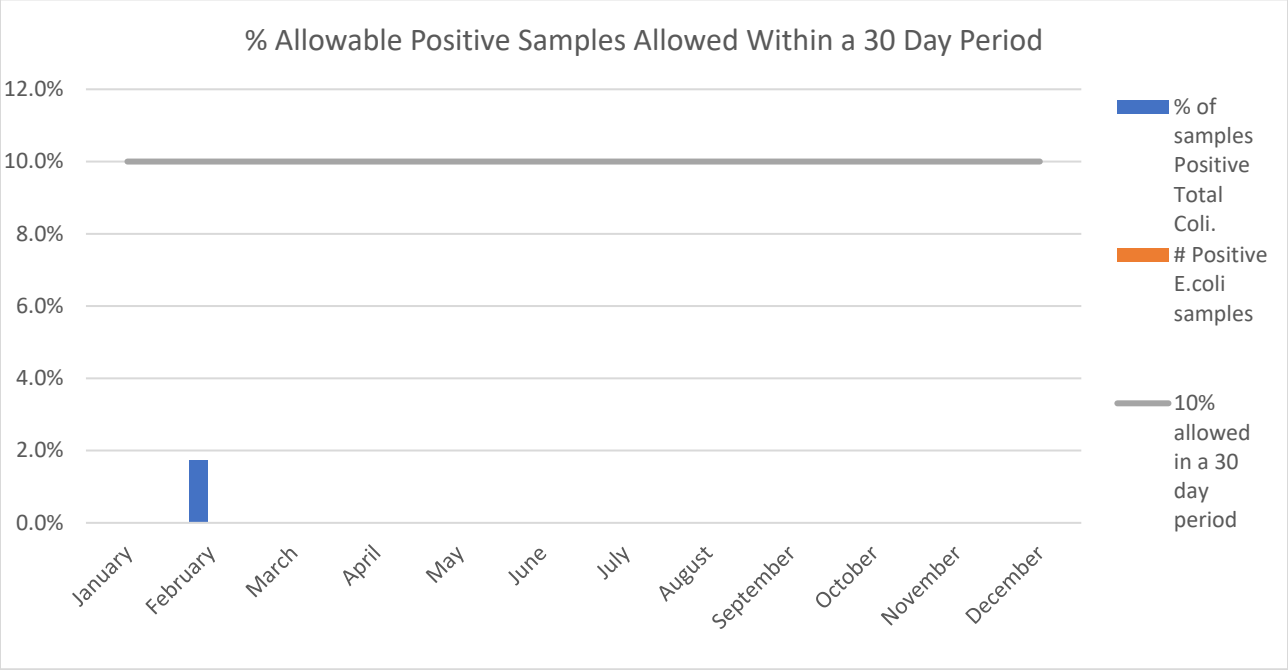


Figure 6: MAC of Total Coliforms as per GCDWQ

Chemical

The Township conducts a quarterly detailed chemical analysis. Contaminants of note are discussed in the following sections. For detailed information please see Appendix A.

Iron and Manganese

Iron and Manganese are natural contaminants usually leached into drinking water from the bedrock of the aquifer or from soil weathering. The two are commonly found together in the environment and in raw water especially in deep groundwater wells. Additionally, iron can enter the drinking water system as a result of corroding pipes. The AO for Manganese is 0.02 mg/L and 0.1 mg/L for Iron. The AWTP filtration and treatment process reduces the iron and manganese levels of the source water to below the MAC before the water enters the distribution system.

Results for Iron and Manganese in the distribution system were below both the MAC and AO in 2024.

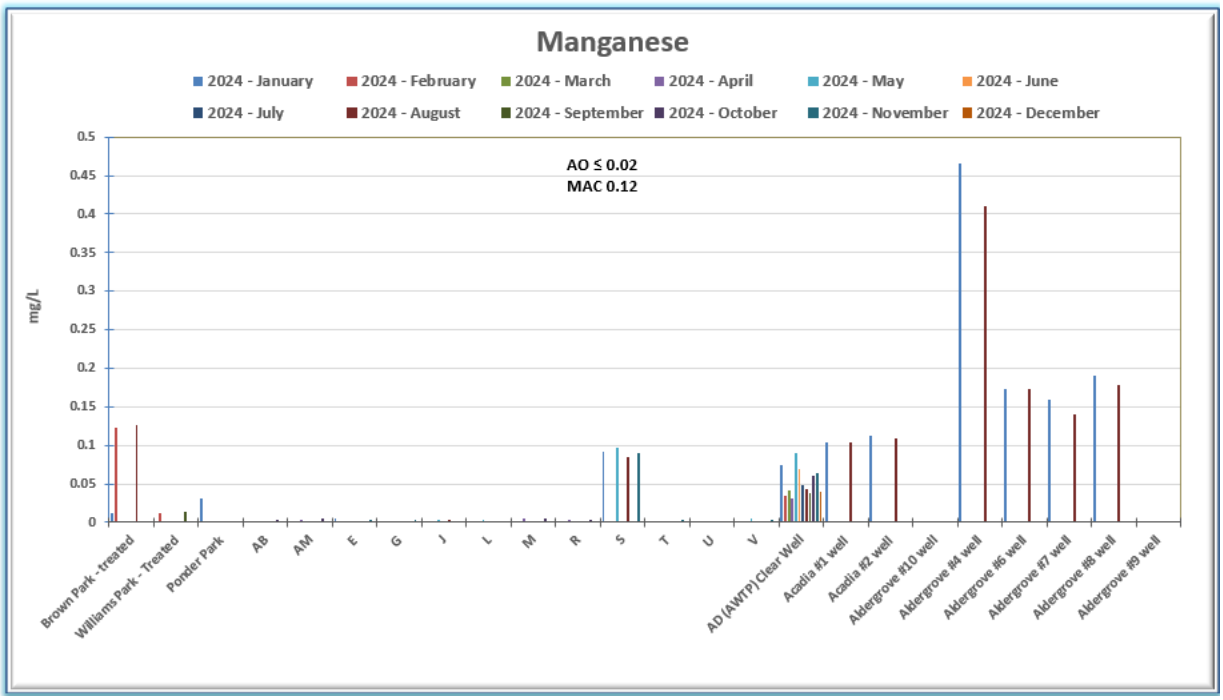


Figure 7: Results for Manganese in the Distribution System and Source Waters

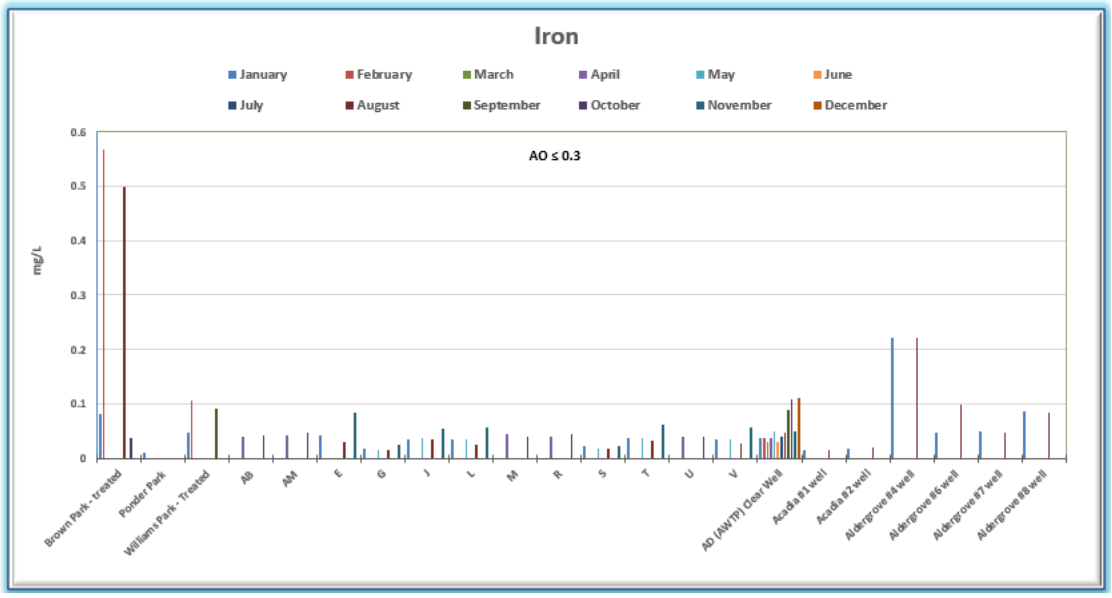


Figure 8: Results for Iron in the Distribution System and Source Waters

Nitrates

The community of Aldergrove is situated in an area surrounded by agricultural land. Despite the depth of the aquifer providing groundwater to the municipal system, it is susceptible to nitrate contamination from sources such as fertilizer runoff. As part of our groundwater monitoring program, wells in this area are routinely sampled for nitrate concentrations. The MAC for nitrates is 10 mg/L.

As illustrated in Figure 9 below, Aldergrove Well 10 exceeds the MAC for nitrates. When water from this well is blended with water from other wells and treated at the AWTP, the overall nitrate concentration is reduced to approximately 4 mg/L. The blended water from all wells is sampled on a monthly basis to ensure adherence to Fraser Health and the GCDWQ.

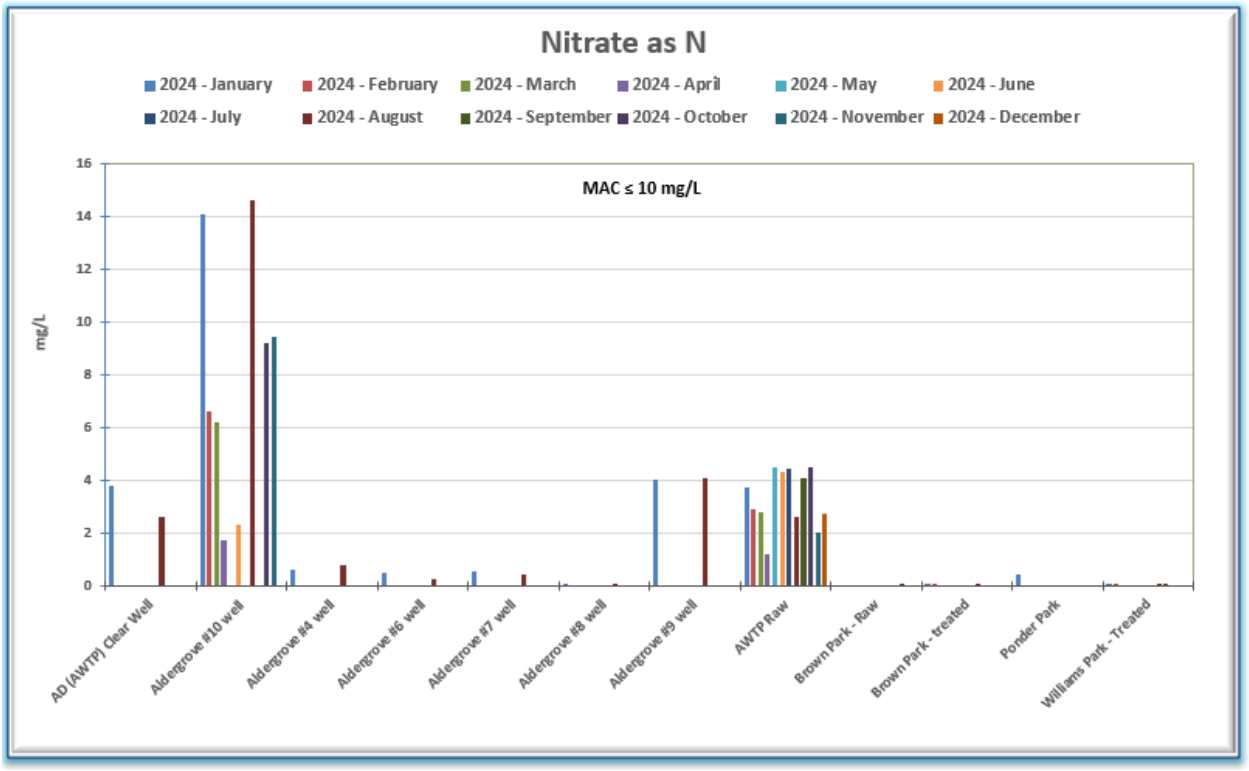


Figure 9: Results for Nitrates in Source Water

Lead

Health Canada has set the MAC for lead in drinking water at 0.005 mg/L. Health Canada also recognizes that most lead concentration found in drinking water is due to plumbing, leaching lead service lines, and lead solder. During the 2024 semi-annual chemical and physical parameter testing, all the distribution and source samples in the Township were below the MAC.

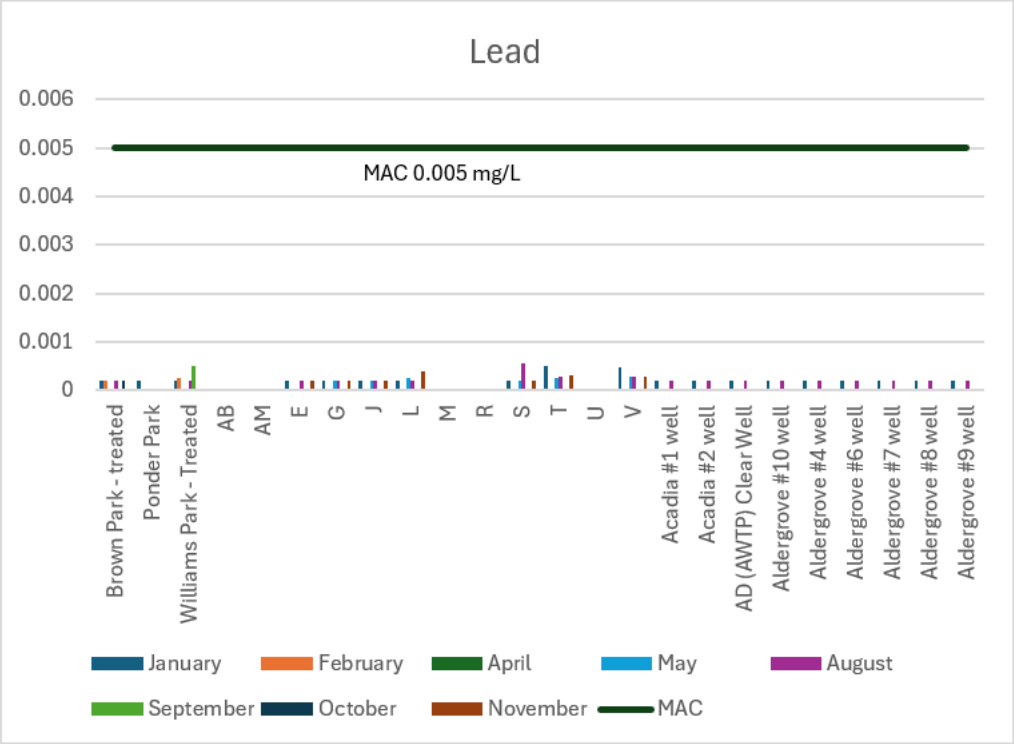


Figure 10: Results for Lead in the Distribution System and Source Waters

Physical

Free Chlorine

Chlorine is used in drinking water to reduce bacterial load. Residual chlorine is continuously monitored at PRVs and Pump Stations and is sampled several times during the week in the distribution system. The GCDWQ does not provide a MAC for chlorine, however the suggested range is between 0.04mg/L and 2.0 mg/L. The Township targets a residual of between 0.2 mg/L and 1 mg/L and any reading below 0.05 mg/L results in the senior operator being informed and may lead to a further investigation and a possible mitigation via resampling or flushing.

Sodium hypochlorite is used as secondary disinfectant in the water treatment process to maintain a free chlorine residual in the distribution system. Free chlorine residual is one measure to reduce potential microbiological regrowth and contamination while monitoring operational efficiencies. Another aspect of maintaining a free chlorine residual includes limiting the growth of biofilm buildup, and its accompanying taste and odour problems.

In 2024, an average of 30 samples were collected per week, with an annual total of 1,406 samples analysed for free chlorine. The average result for free chlorine in the distribution system was 0.44 mg/L.

Figure 10 shows the number of samples and their chlorine range.

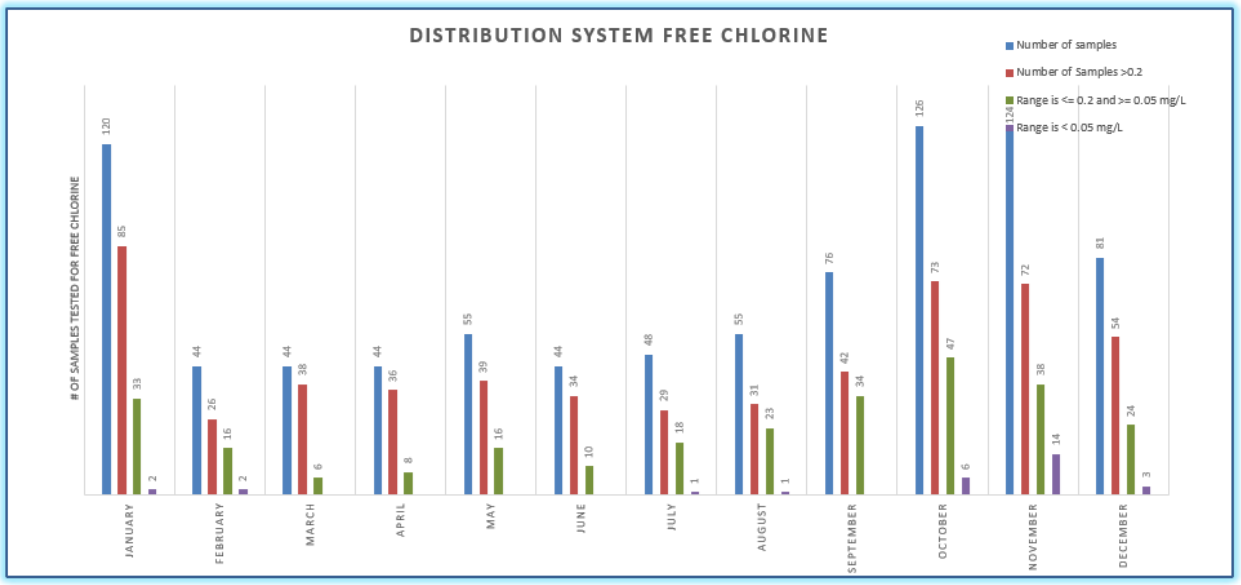


Figure 11: Distribution Free Chlorine

pH

Ph is a measure of acidity/alkalinity of water. The GCDWQ does not provide a MAC or AO for pH, however Health Canada recommends an operational range of 7.0 – 10.5 in drinking water. Maintaining a pH within the operational guideline maximizes water treatment effectiveness, controls corrosion, and reduces leaching from the distribution system and plumbing. In 2024, 1,015 samples tested and reported on pH levels, with an annual average of 7.32.

Figure 11 shows the average pH in the Water Distribution and parks systems.

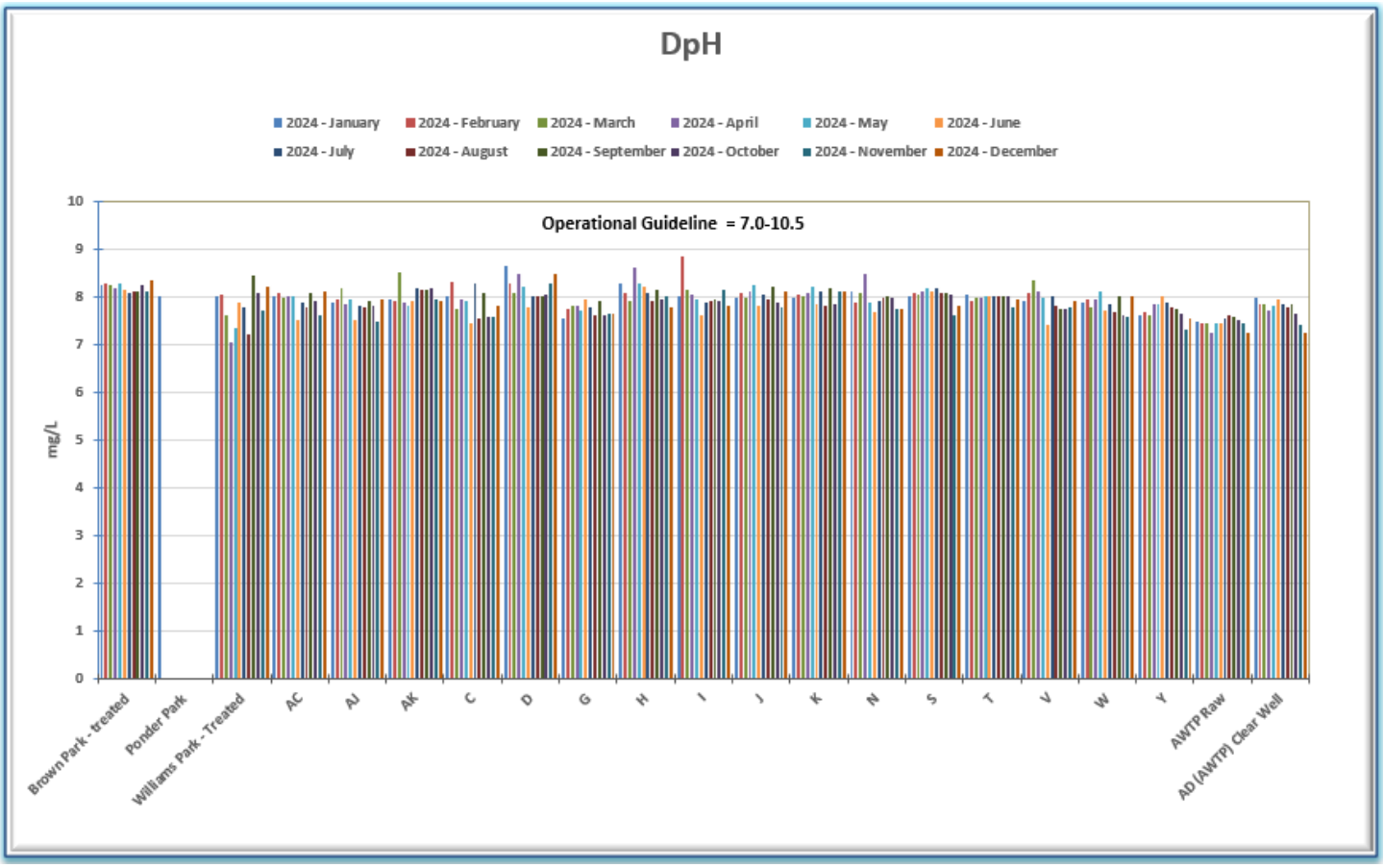


Figure 12: pH results for all water systems

Turbidity

Turbidity is the measure of cloudiness or lack of transparency of water due to naturally occurring particles such as clay, silts or decomposed plant and animal debris in the water. Turbidity can harbour microorganisms and entrap heavy metals which can negatively affect the disinfection rate of chlorine.

High turbidity readings are typically a result of heavy rainfall at the GVWD reservoirs or from local watermain flushing. There were four (4) turbidity events of note on January 30, June 4, August 6 and October 22. There were no areas of chronic high turbidity and these events were isolated and subsequent resamples were tested to be within guidelines.

In 2024, there were 938 samples analysed for Turbidity. The average value in the distribution system was 0.34 NTU. Figure 12 shows the turbidity readings for 2024.

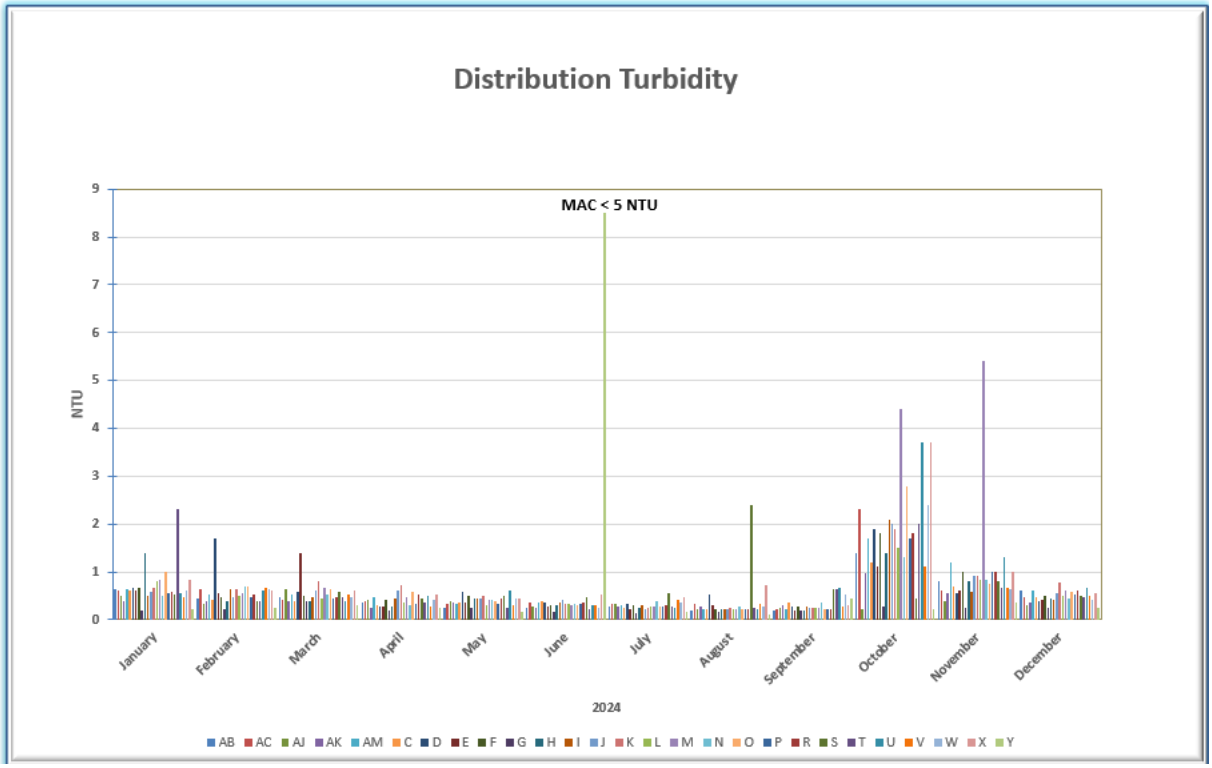


Figure 13: Turbidity in the Distribution System

Distribution System Challenges

As the Township population increases so does the demands on the water system. Changes in flow patterns effect chlorine residuals, higher than usual HPCs at some sample stations due to lower levels of chlorine in dead end water mains, and aging infrastructure that requires repair and replacement are some of the challenges within the water system.

The Township has employed the use of regular flushing in some areas to maintain water quality and new additions to the water distribution system must be looped to eliminate water quality concerns associated with dead end watermains.

Optimization and Maintenance

In 2024 the Township employed four (4) exempt staff, seven (7) technical engineering staff, two (2) electricians, and 49 field staff assigned to the operations management, maintenance, monitoring, and repair of the water system. Along with the Utilities Operations staff who perform these operational and maintenance works, engineering staff help design and plan new capital works and large-scale projects. Programs intended to enhance water quality include and may not be limited to:

- Water main looping in areas of new construction to increase circulation.
- Auto Flushers operating on dead-end watermains to reduce stagnant water.
- Preventative system maintenance to water stations such as reservoirs, pump stations and PRV’s.
- Secondary chlorination points to maintain chlorine residual in the system.
- Water sampling program including measurements for chlorine residual, flow, and pressure.

- Conducting station inspections with health authorities.
- Maintaining operations at the water treatment plant.
- Responding to resident service requests.

Water main Flushing

The Township water distribution staff perform an annual unidirectional flushing to maintain high water quality throughout the water system. Regular water main flushing is an important component of a comprehensive water management program to prevent bacterial growth and stagnation in low circulation areas of the distribution system. The program aims to flush the entire water system on a biannual basis outside of seasonal water restrictions.

Storage Reservoir Cleaning and Inspection

Reservoirs are used to stabilize system pressures and meet peak daytime demand as well as provide adequate volumes for fire protection. The cleaning and inspection process ensures that the reservoirs are structurally sound, sealed and not exposed to external contamination. The benefits of routine reservoir cleaning include decreased microbial growth and decreased turbidity in the water.

East Aldergrove Reservoir was cleaned in April 2024 and rooftop inspections were completed at all remaining reservoirs.

There are no reservoirs scheduled for cleaning in 2025

Reservoir Repairs and Replacement

In 2021 an engineering consultant for the Township completed a post tensioning assessment on seven (7) water reservoirs by visually inspecting select areas of the horizontal structural tendons and provided the following recommendations.

- The Brookswood West and Willoughby reservoirs were assessed to be in fair condition with a recommendation to inspect periodically going forward.
- The Strawberry reservoir was assessed to be in very poor condition and temporary repairs were completed in 2022. This reservoir is scheduled for replacement with design works beginning in 2025.
- The Aldergrove East, Aldergrove West and Brookswood East reservoirs were also assessed to be in poor condition. All had temporary repairs completed to in 2023 and are scheduled to be replaced between 2025 and 2035.
- The Murrayville Reservoir was assessed to be in critical condition and taken out of service in 2021. The demolition of this structure is scheduled to begin in 2025.
- Decommissioning of the inactive Tall Timber Booster and Reservoir will be completed in 2025.

Operational Highlights for 2024

The Township achieved the following water operational milestones in 2024:

- Started construction on the Jericho Pump Station in Willoughby
- Performed leak detection in Northwest Langley
- Installed chlorination point at Brawn Pump Station

Well Decommissioning

The following inactive wells were fully decommissioned in 2024:

- Fort Langley Well 1
- Fort Langley Well 2
- Brookswood Well 7
- Brookswood Well 9
- Brookswood Well 10
- Murrayville Well 1
- Murrayville Well 2
- Willoughby Well 1

Planned Works for 2025

The Township plans to achieve the following works in 2025:

- Commission Brawn Pump Station Chlorinator
- Commission temporary pump station to Brookswood Heights development
- Award a new lab contract and send additional samples to Metro Vancouver labs
- Begin the replacement of the Strawberry Reservoir
- Decommission the inactive Murrayville Reservoir
- Initiation of a Reservoir water sampling program
- Review of sample stations to determine if additional stations are required

Emergency Response and Contingency Plan

As a part of an overall Engineering Department Emergency Plan, WERP addresses potential threats or hazards such as earthquakes, floods, severe storms, and water security. Outlined in the plan are procedures dealing with the effects of various scenarios such as loss of water supply, loss of power, contamination, or damage to any pipelines or facilities. Currently the WERP is a standalone document that is managed by Utilities Operations staff. Activation of the plan occurs when information is received that an emergency exists, either through staff or external agencies. Staff are directed to determine the event location and nature, and isolate or eliminate the hazard in collaboration with other agencies if applicable, and ultimately restore normal water service. The plan encompasses risks and responses, problem indicators, and restoration plans. The WERP is reviewed and updated as needed on an ongoing basis with the next update expected in 2025.

Auditor General for Local Government Audit

In August 2017, the Township' water utility system was audited by the Auditor General for Local Government (AGLG). The Township was selected based on risks, potential relevance of findings to other local governments, the size, geographic location, and complexity of the water supply system. The overall goal of the audit was to provide an objective and independent examination of drinking water services in the Township to determine whether clean and safe drinking water is being provided to users.

The AGLG report focused on four (4) key audit objectives:

1. The local government's governance structure and activities supported the provision of clean and safe drinking water where and when needed.
2. The local government managed its drinking water supplies to meet current and expected future demand.
3. The local government ensured the safety and reliability of drinking water provided through its treatment and distribution systems.
4. Managing water supply infrastructure to meet current and future demand.

The AGLG developed an action plan template with respect to the first three (3) audit objectives. It lists the recommendation of the AGLG, the steps taken by the Township to meet the objective as well as a target date to meet the objective. The detailed Action Items from the AGLG audit can be viewed in Appendix D

Conclusion

The Township ensures that safe and high-quality drinking water is delivered to its consumers every day through rigorous and frequent sampling conducted by EOCP certified water operators. The collaborative efforts with certified laboratories, including the Township contracted CALA lab and GVWD, ensure thorough monitoring and compliance with the DWPR and GCDWQ.

In 2024, over 1,500 water samples were collected and tested, exceeding the 94 required monthly samples based on the Township's serviced population. Despite a few instances where the water did not meet the MAC or AO, prompt resampling and flushing ensured that the water quality met all regulatory requirements. This demonstrates the Township's commitment to maintaining high water quality and its ability to address any concerns promptly; including the effective treatment, filtration and blending of water to manage iron, manganese and nitrate levels from groundwater sources. The Township follows a multi-barrier approach as recommended by the GCDWQ including source water protection, adequate treatment, and distribution system maintenance programs.

The 2024 water quality monitoring results demonstrate that Township water is potable and safe for consumption. Staff continue to seek improvements to the water supply and distribution systems. The Township will continue to work closely with Fraser Health, GVWD, and the public to provide high quality water to its consumers.

References

Health Canada. (2019, May 10). Guidelines for Canadian Drinking Water Quality: Guideline Technical Document – Manganese. https://www.canada.ca/en/health-canada/services/publications/healthy-living/guidelines-canadian-drinking-water-quality-guideline-technical-document-manganese.html

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Province of BC. (2018, November 20). Drinking Water Protection Regulation. http://www.bclaws.ca/civix/document/id/complete/statreg/200_2003

Appendices

Appendix A – Raw Data

List of Tables:

Table A1 Source Water Bacteriological Results

Table A2 Distribution System Water Weekly Results

Table A3 Source Water Summer and Winter Routine Parameter Tested

Table A4 Quarterly Water Distribution Metal Samples by GVWD

Table A5 Distribution System Disinfection Byproducts Quarterly Results by GVWD

Table A6 Parks Weekly Routine Parameters Results

Table A7 Parks Semi-Annual Routine Parameters Results

		Escherichia coli / E. coli (counts)	Total coliforms (counts)
Sampling Point	**Collection Date**	**CFU/100ml**	**CFU/100ml**
Acadia #1 well	2024-01-10	0	0
Acadia #1 well	2024-04-24	0	0
Acadia #1 well	2024-07-16	0	0
Acadia #1 well	2024-11-14	0	0
Acadia #1 well	2025-01-14	0	0
Acadia #2 well	2024-01-10	0	0
Acadia #2 well	2024-04-24	0	0
Acadia #2 well	2024-07-16	0	0
Acadia #2 well	2024-11-14	0	0
Acadia #2 well	2025-01-14	0	0
Aldergrove #10 well	2024-01-10	0	0
Aldergrove #10 well	2024-04-24	0	0
Aldergrove #10 well	2024-07-16	0	0
Aldergrove #10 well	2024-11-14	0	0
Aldergrove #10 well	2025-01-14	0	0
Aldergrove #4 well	2024-01-10	0	0
Aldergrove #4 well	2024-04-24	0	0
Aldergrove #4 well	2024-07-16	0	0
Aldergrove #4 well	2024-11-14	0	0
Aldergrove #4 well	2025-01-14	0	0
Aldergrove #6 well	2024-01-10	0	0
Aldergrove #6 well	2024-04-24	0	0
Aldergrove #6 well	2024-07-16	0	0
Aldergrove #6 well	2024-11-14	0	0
Aldergrove #6 well	2025-01-14	0	0
Aldergrove #7 well	2024-01-10	0	0
Aldergrove #7 well	2024-04-24	0	0
Aldergrove #7 well	2024-07-16	0	0
Aldergrove #7 well	2024-11-14	0	0
Aldergrove #7 well	2025-01-14	0	0
Aldergrove #8 well	2024-01-10	0	0
Aldergrove #8 well	2024-04-24	0	0
Aldergrove #8 well	2024-07-16	0	0
Aldergrove #8 well	2024-11-14	0	0
Aldergrove #8 well	2025-01-14	0	0
Aldergrove #9 well	2024-01-10	0	0
Aldergrove #9 well	2024-04-24	0	0
Aldergrove #9 well	2024-07-16	0	0
Aldergrove #9 well	2024-11-14	0	0
Aldergrove #9 well	2025-01-14	0	0

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
463 (M)	02/01/2024	1.09	< 1	< 2	0		8.3	
463 (M)	09/01/2024	**1.41**	< 1	< 2	0		8.1	
463 (M)	16/01/2024	**1.37**	< 1	< 2	0		6.4	
463 (M)	23/01/2024	1	< 1	< 2	0		7.7	
463 (M)	30/01/2024	**1.22**	< 1	2	0		8.4	
463 (M)	06/02/2024	**1.21**	< 1	< 2	0		9.2	
463 (M)	13/02/2024	0.97	< 1	< 2	0		9.1	
463 (M)	20/02/2024	0.86	< 1	2	0		8.1	
463 (M)	27/02/2024	0.86	< 1	2	0		8	
463 (M)	05/03/2024	0.79	< 1	< 2	0		8	
463 (M)	12/03/2024	0.9	< 1	2	0		9	
463 (M)	19/03/2024	0.85	< 1	< 2	0		7	
463 (M)	26/03/2024	1.07	< 1	< 2	0		7.6	
463 (M)	02/04/2024	1.04	< 1	< 2	0		10.8	
463 (M)	09/04/2024	0.95	< 1	< 2	0		12.5	
463 (M)	16/04/2024	1.14	< 1	< 2	0		7.2	
463 (M)	23/04/2024	1.1	< 1	< 2	0		9.3	
463 (M)	30/04/2024	**1.28**	< 1	4	0		9.4	
463 (M)	07/05/2024	0.9	< 1	12	0		10	
463 (M)	14/05/2024	1.14	< 1	< 2	0		9.9	
463 (M)	21/05/2024	1.17	< 1	< 2	0		12.6	
463 (M)	28/05/2024	1.09	< 1	< 2	0		10.2	
463 (M)	04/06/2024	0.95	< 1	20	0		12	
463 (M)	11/06/2024	0.84	< 1	< 2	0		14.7	
463 (M)	18/06/2024	1.05	< 1	< 2	0		13.9	
463 (M)	25/06/2024	0.88	< 1	2	0		11.1	
463 (M)	02/07/2024	0.95	< 1	< 2	0		13.8	
463 (M)	09/07/2024	0.98	< 1	2	0		15.5	
463 (M)	16/07/2024	0.77	< 1	< 2	0		16.1	
463 (M)	23/07/2024	0.89	< 1	2	0		13.9	
463 (M)	30/07/2024	0.96	< 1	2	0		10.6	
463 (M)	06/08/2024	0.95	< 1	2	0		13.8	
463 (M)	13/08/2024	0.9	< 1	32	0		16	
463 (M)	20/08/2024	1.1	< 1	< 2	0		15.6	
463 (M)	27/08/2024	0.99	< 1	8	0		13.2	
463 (M)	03/09/2024	0.96	< 1	< 2	0		15.9	
463 (M)	10/09/2024	**1.22**	< 1	2	0		17.8	
463 (M)	17/09/2024	1.02	< 1	< 2	0		15.3	
463 (M)	24/09/2024	0.93	< 1	2	0		19.1	
463 (M)	03/10/2024	0.84	< 1	< 2	0		18.3	
463 (M)	08/10/2024	0.91	< 1	< 2	0		14.5	
463 (M)	15/10/2024	0.98	< 1	2	0		13.3	
463 (M)	22/10/2024	**1.39**	< 1	4	0		14	
463 (M)	29/10/2024	**1.57**	< 1	26	0		13.3	
463 (M)	05/11/2024	**1.37**	< 1	2	0		12.6	
463 (M)	12/11/2024	**1.49**	< 1	**200**	0		11.3	
463 (M)	19/11/2024	1.16	< 1	< 2	0		12.4	
463 (M)	26/11/2024	1.05	< 1	18	0		11.5	
463 (M)	03/12/2024	0.94	< 1	< 2	0		12.4	
463 (M)	10/12/2024	0.78	< 1	< 2	0		9.2	
463 (M)	17/12/2024	0.95	< 1	< 2	0		9	
463 (M)	24/12/2024	**1.75**	< 1	NT	0		9.8	
463 (M)	31/12/2024	0.92	< 1	NT	0		8	
469 (AB)	08/01/2025	0.27	< 1	8	< 1		8.9	0.29
469 (AB)	15/01/2025	0.18	< 1	30	< 1		9	0.21
469 (AB)	22/01/2025	0.11	< 1	2	< 1		10.4	0.2
469 (AB)	29/01/2025	0.16	< 1	< 2	< 1		8.4	0.21
465 (L)	02/01/2024	**0.04**	< 1	< 2	0		9.1	
465 (L)	09/01/2024	0.05	< 1	< 2	0		8.7	
465 (L)	16/01/2024	0.17	< 1	< 2	0		7.9	
465 (L)	23/01/2024	0.12	< 1	4	0		7.8	
465 (L)	30/01/2024	0.08	< 1	2	0		8.7	
465 (L)	06/02/2024	0.22	< 1	< 2	0		9	
465 (L)	13/02/2024	0.13	< 1	2	0		9.7	
465 (L)	20/02/2024	0.05	< 1	< 2	0		8.4	
465 (L)	27/02/2024	0.06	< 1	6	0		8.6	
465 (L)	05/03/2024	0.08	< 1	6	0		8.8	
465 (L)	12/03/2024	0.09	< 1	< 2	0		9.3	
465 (L)	19/03/2024	0.19	< 1	2	0		7.5	
465 (L)	26/03/2024	0.08	< 1	10	0		10.1	
465 (L)	02/04/2024	0.05	< 1	12	0		11	
465 (L)	09/04/2024	0.18	< 1	< 2	0		12	
465 (L)	16/04/2024	0.07	< 1	6	0		9.5	
465 (L)	23/04/2024	0.11	< 1	< 2	0		11.6	
465 (L)	30/04/2024	0.11	< 1	4	0		11.5	
465 (L)	07/05/2024	0.17	< 1	12	0		11.3	
465 (L)	14/05/2024	0.09	< 1	20	0		12.9	
465 (L)	21/05/2024	0.18	< 1	6	0		13.9	
465 (L)	28/05/2024	0.19	< 1	< 2	0		13.2	
465 (L)	04/06/2024	0.1	< 1	14	0		13	
465 (L)	11/06/2024	0.07	< 1	22	0		14.9	
465 (L)	18/06/2024	0.14	< 1	10	0		15.5	
465 (L)	25/06/2024	0.15	< 1	6	0		12.8	
465 (L)	02/07/2024	0.07	< 1	6	0		15	
465 (L)	09/07/2024	0.07	< 1	44	0		17.8	
465 (L)	16/07/2024	0.06	< 1	6	0		17.8	
465 (L)	23/07/2024	0.06	< 1	4	0		16.3	
465 (L)	30/07/2024	**0.02**	< 1	40	0		13.3	
465 (L)	06/08/2024	0.06	< 1	12	0		16.4	
465 (L)	13/08/2024	0.05	< 1	6	0		16.9	
465 (L)	20/08/2024	0.11	< 1	**140**	0		16.4	
465 (L)	27/08/2024	**0.02**	< 1	**320**	0		16	
465 (L)	03/09/2024	0.06	< 1	**260**	0		17	
465 (L)	10/09/2024	0.15	< 1	**240**	0		18.9	
465 (L)	17/09/2024	0.05	< 1	**800**	0		16.2	
465 (L)	24/09/2024	**0.04**	< 1	**140**	0		19.9	

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
465 (L)	03/10/2024	**0.03**	< 1	**110**	0		18.4	
465 (L)	08/10/2024	0.07	< 1	8	0		15.5	
465 (L)	15/10/2024	**0.02**	< 1	**52**	0		15	
465 (L)	22/10/2024	0.12	< 1	6	0		14.8	
465 (L)	29/10/2024	0.22	< 1	4	0		14.5	
465 (L)	05/11/2024	0.19	< 1	2	0		13.4	
465 (L)	12/11/2024	0.23	< 1	< 2	0		13.2	
465 (L)	19/11/2024	0.08	< 1	6	0		13	
465 (L)	26/11/2024	0.1	< 1	< 2	0		11.5	
465 (L)	03/12/2024	0.12	< 1	4	0		12.8	
465 (L)	10/12/2024	**0.02**	< 1	4	0		10.2	
465 (L)	17/12/2024	0.14	< 1	8	0		9.7	
465 (L)	24/12/2024	0.25	< 1	NT	0		10.1	
465 (L)	31/12/2024	0.24	< 1	NT	0		9.1	
697 (AC)	08/01/2025	0.1					7.1	
697 (AC)	15/01/2025	0.23					8	
697 (AC)	22/01/2025	0.25					7.4	
697 (AC)	29/01/2025	0.35					6.4	
466 (O)	02/01/2024		< 1	4	0		8	
466 (O)	09/01/2024		< 1	< 2	0		8	
466 (O)	16/01/2024		NT	NT	NT		NT	
466 (O)	23/01/2024		< 1	34	0		6.8	
466 (O)	30/01/2024		< 1	4	0		7.4	
466 (O)	06/02/2024		< 1	< 2	0		8.1	
466 (O)	13/02/2024		< 1	< 2	0		8.9	
466 (O)	20/02/2024		< 1	< 2	0		7.4	
466 (O)	27/02/2024		< 1	< 2	0		7.2	
466 (O)	05/03/2024		< 1	< 2	0		7.6	
466 (O)	12/03/2024		< 1	< 2	0		7.9	
466 (O)	19/03/2024		< 1	< 2	0		5.8	
466 (O)	26/03/2024		< 1	< 2	0		8.3	
466 (O)	02/04/2024		< 1	2	0		9.9	
466 (O)	09/04/2024		< 1	< 2	0		10.5	
466 (O)	16/04/2024		< 1	< 2	0		6.2	
466 (O)	23/04/2024		< 1	10	0		9.5	
466 (O)	30/04/2024		< 1	8	0		10	
466 (O)	07/05/2024		< 1	4	0		8.7	
466 (O)	14/05/2024		< 1	< 2	0		9.8	
466 (O)	21/05/2024		< 1	4	0		11.6	
466 (O)	28/05/2024		< 1	2	0		10.8	
466 (O)	04/06/2024		< 1	< 2	0		11.5	
466 (O)	11/06/2024		< 1	10	0		12.9	
466 (O)	18/06/2024		< 1	< 2	0		13	
466 (O)	25/06/2024		< 1	< 2	0		10.9	
466 (O)	02/07/2024		< 1	18	0		12.1	
466 (O)	09/07/2024		< 1	2	0		14.7	
466 (O)	16/07/2024		< 1	< 2	0		15	
466 (O)	23/07/2024		< 1	< 2	0		13.2	
466 (O)	30/07/2024		< 1	10	0		11.9	
466 (O)	06/08/2024		< 1	< 2	0		14.2	
466 (O)	13/08/2024		< 1	2	0		15	
466 (O)	20/08/2024		< 1	< 2	0		14.1	
466 (O)	27/08/2024		< 1	< 2	0		13.6	
466 (O)	03/09/2024		< 1	2	0		15.3	
466 (O)	10/09/2024		< 1	< 2	0		17.6	
466 (O)	17/09/2024		< 1	< 2	0		14.4	
466 (O)	24/09/2024		< 1	6	0		18.2	
466 (O)	03/10/2024		< 1	12	0		18.9	
466 (O)	08/10/2024		< 1	NT	0		15.7	
466 (O)	15/10/2024		< 1	**380**	0		15	
466 (O)	22/10/2024		< 1	**360**	0		15	
466 (O)	29/10/2024		< 1	6	0		13.2	
466 (O)	05/11/2024		< 1	12	0		13.3	
466 (O)	12/11/2024		< 1	30	0		12.8	
466 (O)	19/11/2024		< 1	**120**	0		12.5	
466 (O)	26/11/2024		< 1	**200**	0		11	
466 (O)	03/12/2024		< 1	38	0		11.5	
466 (O)	10/12/2024		< 1	< 2	0		10.4	
466 (O)	17/12/2024		< 1	**60**	0		9.5	
466 (O)	24/12/2024		< 1	NT	0		8.9	
466 (O)	31/12/2024		< 1	NT	0		8	
698 (C)	08/01/2025	0.27					8.4	
698 (C)	15/01/2025	0.11					8	
698 (C)	22/01/2025	0.22					9.5	
698 (C)	29/01/2025	0.43					7	
467 (U)	02/01/2024		< 1	< 2	0		8.2	
467 (U)	09/01/2024		< 1	2	0		7.9	
467 (U)	16/01/2024		NT	NT	NT		NT	
467 (U)	23/01/2024		< 1	< 2	0		7.3	
467 (U)	30/01/2024		NT	NT	NT		NT	
467 (U)	06/02/2024		NT	NT	NT		NT	
467 (U)	13/02/2024		< 1	16	0		8.9	
467 (U)	20/02/2024		< 1	< 2	0		7.2	
467 (U)	27/02/2024		< 1	< 2	0		8	
467 (U)	05/03/2024		< 1	< 2	0		8.1	
467 (U)	12/03/2024		< 1	2	0		8.5	
467 (U)	19/03/2024		< 1	4	0		7	
467 (U)	26/03/2024		< 1	14	0		8.6	
467 (U)	02/04/2024		< 1	18	0		10	
467 (U)	09/04/2024		< 1	2	0		10.8	
467 (U)	16/04/2024		< 1	< 2	0		8.4	
467 (U)	23/04/2024		< 1	4	0		11.3	
467 (U)	30/04/2024		< 1	< 2	0		11.2	
467 (U)	07/05/2024		< 1	2	0		10.3	
467 (U)	14/05/2024		< 1	< 2	0		12.2	
467 (U)	21/05/2024		< 1	< 2	0		13.4	

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
467 (U)	28/05/2024		< 1	2	0		12.8	
467 (U)	04/06/2024		< 1	< 2	0		11.5	
467 (U)	11/06/2024		< 1	< 2	0		13.5	
467 (U)	18/06/2024		< 1	14	0		14.5	
467 (U)	25/06/2024		< 1	< 2	0		12.6	
467 (U)	02/07/2024		< 1	< 2	0		14.2	
467 (U)	09/07/2024		< 1	**70**	0		17.5	
467 (U)	16/07/2024		< 1	**170**	0		17.2	
467 (U)	23/07/2024		< 1	20	0		14.8	
467 (U)	30/07/2024		< 1	**52**	0		12.5	
467 (U)	06/08/2024		< 1	36	0		14.5	
467 (U)	13/08/2024		< 1	36	0		16.8	
467 (U)	20/08/2024		< 1	32	0		14.7	
467 (U)	27/08/2024		< 1	40	0		15.0	
467 (U)	03/09/2024		< 1	34	0		15.9	
467 (U)	10/09/2024		< 1	16	0		18.7	
467 (U)	17/09/2024		< 1	26	0		15	
467 (U)	24/09/2024		< 1	16	0		18.6	
467 (U)	03/10/2024		< 1	18	0		17.8	
467 (U)	08/10/2024		< 1	16	0		15	
467 (U)	15/10/2024		< 1	36	0		14.2	
467 (U)	22/10/2024		< 1	20	0		14.2	
467 (U)	29/10/2024		< 1	10	0		13.5	
467 (U)	05/11/2024		< 1	2	0		12.5	
467 (U)	12/11/2024		< 1	8	0		11.9	
467 (U)	19/11/2024		< 1	4	0		12.4	
467 (U)	26/11/2024		< 1	8	0		10.5	
467 (U)	03/12/2024		< 1	< 2	0		10.2	
467 (U)	10/12/2024		< 1	6	0		9.3	
467 (U)	17/12/2024		< 1	4	0		8.2	
467 (U)	24/12/2024		< 1	NT	0		8.9	
467 (U)	31/12/2024		< 1	NT	0		7.8	
685 (D)	08/01/2025	0.29					10.4	
685 (D)	15/01/2025	**0.02**					9.5	
685 (D)	22/01/2025	**0.01**					8.6	
685 (D)	29/01/2025	0.32					10.3	
468 (X)	02/01/2024		< 1	< 2	0		9.4	
468 (X)	09/01/2024		< 1	2	0		7.9	
468 (X)	16/01/2024		< 1	< 2	0		6	
468 (X)	23/01/2024		< 1	< 2	0		6.8	
468 (X)	30/01/2024		< 1	6	0		7.6	
468 (X)	06/02/2024		< 1	2	0		8.1	
468 (X)	13/02/2024		< 1	< 2	0		9.1	
468 (X)	20/02/2024		< 1	< 2	0		7.9	
468 (X)	27/02/2024		< 1	< 2	0		7.8	
468 (X)	05/03/2024		< 1	< 2	0		7.5	
468 (X)	12/03/2024		< 1	< 2	0		8.8	
468 (X)	19/03/2024		< 1	2	0		5.8	
468 (X)	26/03/2024		< 1	< 2	0		8.5	
468 (X)	02/04/2024		< 1	2	0		10	
468 (X)	09/04/2024		< 1	8	0		12	
468 (X)	16/04/2024		< 1	< 2	0		7.7	
468 (X)	23/04/2024		< 1	< 2	0		10.2	
468 (X)	30/04/2024		< 1	< 2	0		10.5	
468 (X)	07/05/2024		< 1	< 2	0		10.2	
468 (X)	14/05/2024		< 1	< 2	0		12.1	
468 (X)	21/05/2024		< 1	< 2	0		12.9	
468 (X)	28/05/2024		< 1	< 2	0		12.2	
468 (X)	04/06/2024		< 1	< 2	0		12.5	
468 (X)	11/06/2024		< 1	< 2	0		13.6	
468 (X)	18/06/2024		< 1	< 2	0		14.2	
468 (X)	25/06/2024		< 1	2	0		12.2	
468 (X)	02/07/2024		< 1	10	0		12.9	
468 (X)	09/07/2024		< 1	< 2	0		16.1	
468 (X)	16/07/2024		< 1	< 2	0		16.8	
468 (X)	23/07/2024		< 1	2	0		14.2	
468 (X)	30/07/2024		< 1	4	0		12.1	
468 (X)	06/08/2024		< 1	10	0		15.4	
468 (X)	13/08/2024		< 1	2	0		16.5	
468 (X)	20/08/2024		< 1	8	0		15.2	
468 (X)	27/08/2024		< 1	4	0		14.5	
468 (X)	03/09/2024		< 1	8	0		15.5	
468 (X)	10/09/2024		< 1	8	0		18.2	
468 (X)	17/09/2024		< 1	< 2	0		15	
468 (X)	24/09/2024		< 1	2	0		19.2	
468 (X)	03/10/2024		< 1	2	0		17.8	
468 (X)	08/10/2024		< 1	2	0		14.7	
468 (X)	15/10/2024		< 1	8	0		13.9	
468 (X)	22/10/2024		< 1	2	0		14.5	
468 (X)	29/10/2024		< 1	< 2	0		13	
468 (X)	05/11/2024		< 1	< 2	0		11.8	
468 (X)	12/11/2024		< 1	2	0		13.1	
468 (X)	19/11/2024		< 1	< 2	0		11.4	
468 (X)	26/11/2024		< 1	NR	0		10.5	
468 (X)	03/12/2024		< 1	< 2	0		11.3	
468 (X)	10/12/2024		< 1	4	0		9.3	
468 (X)	17/12/2024		< 1	6	0		9.8	
468 (X)	24/12/2024		< 1	NT	0		9.1	
468 (X)	31/12/2024		< 1	NT	0		8.8	
469 (AB)	02/01/2024	0.2	1	6	0		8.4	0.44
469 (AB)	09/01/2024	0.28	< 1	< 2	0		9.9	0.48
F (690)	08/01/2025	0.19	< 1	18	< 1		8.4	
F (690)	15/01/2025	0.23	< 1	< 2	< 1		8.6	
F (690)	22/01/2025	0.19	< 1	6	< 1		7.6	
F (690)	29/01/2025	0.48	< 1	< 2	< 1		7.5	
469 (AB)	16/01/2024	0.44	< 1	2	0		9.3	0.43

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
469 (AB)	23/01/2024	0.22	< 1	< 2	0		7.1	0.36
469 (AB)	30/01/2024	0.26	< 1	< 2	0		8.6	0.65
469 (AB)	06/02/2024	0.43	< 1	< 2	0		8.1	0.43
469 (AB)	13/02/2024	0.14	< 1	< 2	0		8.4	0.41
469 (AB)	20/02/2024	0.2	< 1	2	0		9.1	0.34
469 (AB)	27/02/2024	0.17	< 1	2	0		8.8	0.35
469 (AB)	05/03/2024	0.2	< 1	6	0		9.2	0.39
469 (AB)	12/03/2024	0.22	< 1	2	0		8.5	0.32
469 (AB)	19/03/2024	0.24	< 1	< 2	0		7.2	0.47
469 (AB)	26/03/2024	0.22	< 1	< 2	0		9.3	0.3
469 (AB)	02/04/2024	0.24	< 1	< 2	0		10.5	0.3
469 (AB)	09/04/2024	0.27	< 1	< 2	0		13	0.34
469 (AB)	16/04/2024	0.21	< 1	< 2	0		10	0.24
469 (AB)	23/04/2024	0.09	< 1	2	0		11.3	0.36
469 (AB)	30/04/2024	0.35	< 1	10	0		12.2	0.2
469 (AB)	07/05/2024	0.33	< 1	< 2	0		11.6	0.24
469 (AB)	14/05/2024	0.25	< 1	< 2	0		12.6	0.25
469 (AB)	21/05/2024	0.26	< 1	6	0		13.4	0.22
469 (AB)	28/05/2024	0.11	< 1	< 2	0		15.2	0.23
469 (AB)	04/06/2024	0.29	< 1	< 2	0		12	0.24
469 (AB)	11/06/2024	0.31	< 1	8	0		15.5	0.25
469 (AB)	18/06/2024	0.06	< 1	NR	0		16.2	0.24
469 (AB)	25/06/2024	**0.04**	< 1	4	0		12.4	0.24
469 (AB)	02/07/2024	0.26	< 1	14	0		15.8	0.21
469 (AB)	09/07/2024	0.24	< 1	2	0		18	0.28
469 (AB)	16/07/2024	0.09	< 1	6	0		17.8	0.22
469 (AB)	23/07/2024	0.15	< 1	16	0		17.4	0.19
469 (AB)	30/07/2024	0.09	< 1	10	0		14.5	0.17
469 (AB)	06/08/2024	0.12	< 1	2	0		18	0.2
469 (AB)	13/08/2024	0.15	< 1	4	0		17.5	0.17
469 (AB)	20/08/2024	0.21	< 1	36	0		17.8	0.2
469 (AB)	27/08/2024	0.09	< 1	46	0		15.4	0.15
469 (AB)	03/09/2024	0.11	< 1	4	0		16.8	0.15
469 (AB)	10/09/2024	0.16	< 1	**52**	0		19	0.16
469 (AB)	17/09/2024	0.12	< 1	6	0		16.8	0.17
469 (AB)	24/09/2024	0.14	< 1	< 2	0		18.7	0.18
469 (AB)	03/10/2024	0.09	< 1	38	0		17.3	0.17
469 (AB)	08/10/2024	0.11	< 1	**52**	0		16.1	0.2
469 (AB)	15/10/2024	0.12	< 1	30	0		14.8	0.21
469 (AB)	22/10/2024	**0**	< 1	**74**	0		14.4	1
469 (AB)	29/10/2024	0.06	< 1	< 2	0		13.5	**1.4**
469 (AB)	05/11/2024	0.15	< 1	12	0		14.6	0.81
469 (AB)	12/11/2024	0.43	< 1	6	0		13.9	0.65
469 (AB)	19/11/2024	0.09	< 1	12	0		12.8	0.51
469 (AB)	26/11/2024	0.23	< 1	2	0		10	0.4
469 (AB)	03/12/2024	0.09	< 1	< 2	0		11.5	0.4
469 (AB)	10/12/2024	**0.03**	< 1	12	0		10.2	0.34
469 (AB)	17/12/2024	0.1	< 1	6	0		10.7	0.27
469 (AB)	24/12/2024	0.38	< 1	NT	0		10.4	0.61
469 (AB)	31/12/2024	0.23	< 1	NT	0		9.5	0.27
683 (AK)	02/01/2024	0.06	0	< 1.0	0	7.48**	10.2	0.29
G	08/01/2025	0.48	0	< 1.0	0	7.32	9.9	0.19
G	15/01/2025	0.48	0	< 1.0	0	7.52	9.6	0.18
G	22/01/2025	0.71	0	< 1.0	0	7.48**	9.2	0.37
G	29/01/2025	0.65	0	< 1.0	0	7.03	8.7	0.26
683 (AK)	09/01/2024	0.06	0	1.0	0	7.65	10.5	0.36
683 (AK)	16/01/2024	0.12	0	< 1.0	0	7.38**	9.5	0.33
683 (AK)	23/01/2024	**0.04**	0	< 1.0	0	7.50**	8.8	0.27
683 (AK)	30/01/2024	**0.04**	0	< 1.0	0	7.19**	9.4	0.38
683 (AK)	06/02/2024	0.08	0	< 1.0	0	7.07**	9.8	0.40
683 (AK)	13/02/2024	**0.04**	0	< 1.0	0	7.45**	9.1	0.31
683 (AK)	20/02/2024	0.09	0	< 1.0	0	7.78**	9.9	0.25
683 (AK)	27/02/2024	0.10	0	3.0	0	7.50**	11.5	0.30
683 (AK)	05/03/2024	0.10	0	< 1.0	0	7.42**	8.5	0.30
683 (AK)	12/03/2024	0.06	0	2.0	0	7.24**	10.7	0.28
683 (AK)	19/03/2024	0.12	0	< 1.0	0	**7.82****	8.9	0.32
683 (AK)	26/03/2024	0.11	0	< 1.0	0	7.31**	9.6	0.39
683 (AK)	02/04/2024	0.05	0	< 1.0	0	7.62**	10.2	0.20
683 (AK)	09/04/2024	**0.01**	0	< 1.0	0	7.44**	13.1	0.23
683 (AK)	16/04/2024	0.09	0	< 1.0	0	7.26**	12.1	0.26
683 (AK)	23/04/2024	0.13	0	< 1.0	0	7.52**	11.6	0.25
683 (AK)	30/04/2024	0.14	0	< 1.0	0	7.18**	9.6	0.23
683 (AK)	07/05/2024	0.11	0	< 1.0	0	7.44**	10.6	0.37
683 (AK)	14/05/2024	**0.02**	0	1.0	0	7.36**	14.4	0.28
683 (AK)	21/05/2024	0.16	0	< 1.0	0	6.99**	11.3	0.30
683 (AK)	28/05/2024	0.06	0	< 1.0	0	7.29**	12.4	0.33
683 (AK)	04/06/2024	**0.03**	0	24	0	7.86**	13.9	0.23
683 (AK)	11/06/2024	0.06	0	< 1.0	0	7.38**	11.9	0.23
683 (AK)	18/06/2024	**0.04**	0	< 1.0	0	7.36**	12.9	0.24
683 (AK)	25/06/2024	0.13	0	< 1.0	0	7.10**	14.4	0.23
683 (AK)	02/07/2024	0.06	0	< 1.0	0	7.47**	13.4	0.27
683 (AK)	09/07/2024	0.14	0	< 1.0	0	7.44**	13.9	0.19
683 (AK)	16/07/2024	0.08	0	< 1.0	0	7.83**	14.6	0.23
683 (AK)	23/07/2024	**0.03**	0	< 1.0	0	7.64**	16.8	0.20
683 (AK)	30/07/2024	0.07	0	< 1.0	0	7.28**	16.9	0.20
683 (AK)	06/08/2024	0.07	0	< 1.0	0	7.42**	18.1	0.19
683 (AK)	13/08/2024	**0.04**	0	< 1.0	0	7.38**	17.4	0.21
683 (AK)	20/08/2024	**0.01**	0	< 1.0	0	7.02**	18.2	0.27
683 (AK)	27/08/2024	**0.02**	0	< 1.0	0	7.53**	18.8	0.24
683 (AK)	03/09/2024	0.10	0	< 1.0	0	7.33**	16.7	0.22
683 (AK)	10/09/2024	**0.04**	0	< 1.0	0	7.38**	17.6	0.30
683 (AK)	17/09/2024	0.07	0	< 1.0	0	8.08**	19.4	0.22
683 (AK)	24/09/2024	0.06	0	< 1.0	0	7.83**	17.1	0.20
683 (AK)	01/10/2024	0.06	0	14	0	7.64**	17.0	0.18
683 (AK)	08/10/2024	**0.00**	0	6.0	0	7.50**	18.6	0.21
683 (AK)	15/10/2024	**0.01**	0	< 1.0	0	8.14	15.3	0.22

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
683 (AK)	22/10/2024	**0.03**	0	< 1.0	0	7.75	15.2	0.68
683 (AK)	29/10/2024	0.07	0	1.0	0	8.10	14.8	0.98
683 (AK)	05/11/2024	0.16	0	3.0	0	7.97	14.0	0.56
683 (AK)	12/11/2024	**0.02**	0	8.0	0	7.56	14.3	0.48
683 (AK)	19/11/2024	0.06	0	1.0	0	7.86	12.3	0.39
683 (AK)	26/11/2024	0.06	0	3.0	0	7.67	11.8	0.45
683 (AK)	03/12/2024	0.07	0	3.0	0	7.67	11.1	0.32
683 (AK)	10/12/2024	0.05	0	< 1.0	0	7.17	10.4	0.31
683 (AK)	17/12/2024	0.13	0	< 1.0	0	7.83	11.0	0.26
683 (AK)	23/12/2024	0.06	0	1.0	0	7.60	9.4	0.36
683 (AK)	30/12/2024	0.13	0	< 1.0	0	7.94	10.1	0.27
705 (H)	08/01/2025	0.24					9.6	
705 (H)	15/01/2025	**0**					9.5	
705 (H)	22/01/2025	**0**					8	
705 (H)	29/01/2025	NT					NT	
684 (N)	02/01/2024	0.10	0	3.0	0	7.46**	9.5	0.34
684 (N)	09/01/2024	0.31	0	< 1.0	0	7.81	9.1	0.51
684 (N)	23/01/2024	0.06	0	< 1.0	0	7.64**	7.3	0.34
684 (N)	30/01/2024	**0.00**	0	2.0	0	7.52**	7.9	0.42
684 (N)	06/02/2024	0.08	0	< 1.0	0	7.50**	8.5	0.70
684 (N)	13/02/2024	**0.04**	0	< 1.0	0	7.42**	9.9	0.39
684 (N)	20/02/2024	0.19	0	< 1.0	0	7.55**	8.5	0.25
684 (N)	27/02/2024	0.08	0	< 1.0	0	7.58**	9.0	0.50
684 (N)	05/03/2024	0.10	0	< 1.0	0	7.56**	8.9	0.38
684 (N)	12/03/2024	**0.00**	0	3.0	0	7.71**	9.5	0.48
684 (N)	19/03/2024	0.07	0	< 1.0	0	7.72**	9.5	0.53
684 (N)	26/03/2024	0.05	0	< 1.0	0	7.42**	8.9	0.26
684 (N)	02/04/2024	0.07	0	1.0	0	7.46**	10.2	0.25
684 (N)	09/04/2024	0.14	0	< 1.0	0	7.62**	13.4	0.26
684 (N)	16/04/2024	0.05	0	< 1.0	0	7.28**	12.2	0.23
684 (N)	23/04/2024	0.05	0	< 1.0	0	7.89**	10.5	0.30
684 (N)	30/04/2024	0.10	0	1.0	0	7.29**	9.6	0.29
684 (N)	07/05/2024	0.18	0	< 1.0	0	7.32**	10.2	0.30
684 (N)	14/05/2024	0.05	0	2.0	0	7.61**	12.7	0.30
684 (N)	21/05/2024	0.07	0	< 1.0	0	7.25**	9.8	0.31
684 (N)	28/05/2024	0.09	0	< 1.0	0	7.52**	12.9	0.41
684 (N)	04/06/2024	**0.04**	0	2.0	0	7.30**	13.8	0.26
684 (N)	11/06/2024	0.11	0	< 1.0	0	7.43**	10.6	0.32
684 (N)	18/06/2024	**0.04**	0	< 1.0	0	7.48**	12.4	0.22
684 (N)	25/06/2024	0.18	0	2.0	0	7.20**	12.1	0.23
684 (N)	02/07/2024	0.07	0	1.0	0	7.56**	12.9	0.38
684 (N)	09/07/2024	0.37	0	< 1.0	0	7.46**	14.1	0.27
684 (N)	16/07/2024	0.19	0	1.0	0	7.60**	13.6	0.20
684 (N)	23/07/2024	0.09	0	< 1.0	0	7.65**	16.8	0.24
684 (N)	30/07/2024	0.15	0	3.0	0	7.58**	16.1	0.22
684 (N)	06/08/2024	0.17	0	1.0	0	7.47**	17.3	0.16
684 (N)	13/08/2024	**0.01**	0	4.0	0	7.50**	16.3	0.20
684 (N)	20/08/2024	0.09	0	2.0	0	7.44**	16.2	0.27
684 (N)	27/08/2024	**0.03**	0	4.0	0	7.66**	18.5	0.20
684 (N)	03/09/2024	**0.03**	0	3.0	0	7.39**	16.7	0.36
684 (N)	10/09/2024	**0.03**	0	1.0	0	7.60**	17.6	0.21
684 (N)	17/09/2024	0.10	0	7.0	0	7.66**	19.0	0.29
684 (N)	24/09/2024	0.06	0	2.0	0	7.54**	16.9	0.21
684 (N)	01/10/2024	**0.04**	0	1.0	0	7.24**	15.9	0.21
684 (N)	08/10/2024	**0.02**	0	1.0	0	7.62**	18.4	0.23
684 (N)	22/10/2024	**0.03**	0	6.0	0	7.61	14.6	**1.3**
684 (N)	29/10/2024	**0.00**	0	1.0	0	7.74	14.0	0.87
684 (N)	05/11/2024	0.22	0	3.0	0	7.33	14.0	0.83
684 (N)	12/11/2024	0.06	0	7.0	0	7.64	13.0	0.59
684 (N)	19/11/2024	**0.02**	0	1.0	0	7.75	12.3	0.50
684 (N)	26/11/2024	0.06	0	1.0	0	7.38	10.8	0.41
684 (N)	03/12/2024	**0.04**	0	3.0	0	7.23	10.4	0.37
684 (N)	10/12/2024	0.06	0	< 1.0	0	7.19	9.8	0.33
684 (N)	17/12/2024	0.13	0	< 1.0	0	7.75	11.1	0.25
684 (N)	23/12/2024	**0.03**	0	< 1.0	0	7.56	9.1	0.37
684 (N)	30/12/2024	0.14	0	< 1.0	0	7.75	10.5	0.45
685 (D)	02/01/2024	0.38	0	< 1.0	0	7.55**	9.1	0.31
686 (I)	08/01/2025	0.19					9.7	
686 (I)	15/01/2025	**0.04**					9.7	
686 (I)	22/01/2025	**0.03**					8.9	
686 (I)	29/01/2025	0.34					10	
685 (D)	09/01/2024	0.51	0	< 1.0	0	7.70	9.2	0.66
685 (D)	16/01/2024	0.58	0	< 1.0	0	7.44**	8.7	0.24
685 (D)	23/01/2024	0.30	0	1.0	0	**7.91****	6.8	0.35
685 (D)	30/01/2024	0.41	0	2.0	0	7.75**	9.1	0.59
685 (D)	06/02/2024	0.55	0	< 1.0	0	7.74**	10.0	0.61
685 (D)	13/02/2024	0.26	0	< 1.0	0	7.58**	8.1	0.36
685 (D)	20/02/2024	0.32	0	1.0	0	7.61**	8.3	0.26
685 (D)	27/02/2024	0.39	0	< 1.0	0	7.55**	9.5	**1.7**
685 (D)	05/03/2024	0.44	0	< 1.0	0	7.52**	9.3	0.57
685 (D)	12/03/2024	0.36	0	1.0	0	7.74**	10.1	0.47
685 (D)	19/03/2024	0.43	0	< 1.0	0	7.80**	8.5	0.41
685 (D)	26/03/2024	0.35	0	< 1.0	0	7.42**	9.9	0.30
685 (D)	02/04/2024	0.44	0	< 1.0	0	7.76**	10.1	0.24
685 (D)	09/04/2024	0.30	0	< 1.0	0	7.78**	11.4	0.23
685 (D)	16/04/2024	0.32	0	< 1.0	0	7.32**	12.0	0.27
685 (D)	23/04/2024	0.27	0	< 1.0	0	7.90**	10.7	0.20
685 (D)	30/04/2024	0.39	0	< 1.0	0	7.43**	9.9	0.26
685 (D)	07/05/2024	0.35	0	< 1.0	0	7.33**	9.6	0.59
685 (D)	14/05/2024	0.40	0	< 1.0	0	7.64**	13.8	0.26
685 (D)	21/05/2024	0.52	0	< 1.0	0	7.36**	9.7	0.40
685 (D)	28/05/2024	0.47	0	< 1.0	0	7.78**	12.9	0.35
685 (D)	04/06/2024	**0.00**	0	2.0	0	7.43**	14.6	0.30
685 (D)	11/06/2024	0.43	0	< 1.0	0	7.48**	11.7	0.31
685 (D)	18/06/2024	0.25	0	< 1.0	0	7.52**	11.6	0.23
685 (D)	25/06/2024	0.16	0	< 1.0	0	7.24**	12.2	0.37

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
685 (D)	02/07/2024	0.28	0	< 1.0	0	7.52**	13.5	0.25
685 (D)	09/07/2024	0.12	0	< 1.0	0	7.20**	13.6	0.26
685 (D)	16/07/2024	0.32	0	< 1.0	0	7.60**	13.9	0.34
685 (D)	23/07/2024	0.14	0	< 1.0	0	7.68**	16.1	0.29
685 (D)	30/07/2024	0.36	0	< 1.0	0	7.62**	16.2	0.15
685 (D)	06/08/2024	0.26	0	< 1.0	0	7.54**	16.4	0.52
685 (D)	13/08/2024	0.26	0	< 1.0	0	7.50**	16.0	0.19
685 (D)	20/08/2024	0.17	0	< 1.0	0	7.39**	16.3	0.20
685 (D)	27/08/2024	0.13	0	< 1.0	0	7.66**	18.4	0.16
685 (D)	03/09/2024	0.14	0	< 1.0	0	7.58**	16.1	0.23
685 (D)	10/09/2024	0.19	0	< 1.0	0	7.50**	16.2	0.20
685 (D)	17/09/2024	0.12	0	< 1.0	0	7.60**	18.8	0.27
685 (D)	24/09/2024	**0.02**	0	**83**	0	7.58**	17.1	0.23
685 (D)	01/10/2024	0.07	0	29	0	7.34**	16.6	0.17
685 (D)	08/10/2024	**0.01**	0	7.0	0	7.64**	18.4	0.21
685 (D)	15/10/2024	**0.06****	0**	< 1.0	0	7.82**	15.3**	0.26
685 (D)	22/10/2024	**0.03**	0	3.0	0	7.65	14.7	**1.9**
685 (D)	29/10/2024	**0.04**	0	10	0	7.73	14.49	0.84
685 (D)	05/11/2024	0.20	0	1.0	0	7.43	13.7	0.56
685 (D)	12/11/2024	0.05	0	3.0	0	7.16	13.4	0.51
685 (D)	19/11/2024	0.10	0	4.0	0	8.29	13.1	0.45
685 (D)	26/11/2024	0.06	0	3.0	0	7.52	11.3	0.33
685 (D)	03/12/2024	0.05	0	5.0	0	7.31	11.1	0.30
685 (D)	10/12/2024	0.09	0	< 1.0	0	7.21	10.2	0.40
685 (D)	17/12/2024	0.10	0	< 1.0	0	8.48	12.1	0.23
685 (D)	23/12/2024	**0.01**	0	< 1.0	0	6.80	9.5	0.30
685 (D)	30/12/2024	0.09	0	1.0	0	7.02	9.6	0.33
686 (I)	02/01/2024	0.32	0	< 1.0	0	7.52**	9.5	0.42
465 (L)	08/01/2025	0.08	< 1	**82**	< 1		9.2	
465 (L)	15/01/2025	0.1	< 1	< 2	< 1		9.5	
465 (L)	22/01/2025	0.16	< 1	< 2	< 1		10.6	
465 (L)	29/01/2025	0.18	< 1	24	< 1		8.7	
686 (I)	09/01/2024	0.49	0	< 1.0	0	7.70	9.4	0.50
686 (I)	23/01/2024	0.07	0	< 1.0	0	7.58**	7.2	0.29
686 (I)	30/01/2024	0.05	0	< 1.0	0	7.46**	9.4	0.41
686 (I)	06/02/2024	0.07	0	< 1.0	0	**7.97****	8.8	0.65
686 (I)	13/02/2024	0.26	0	< 1.0	0	7.58**	8.8	0.46
686 (I)	20/02/2024	0.44	0	< 1.0	0	7.60**	8.4	0.23
686 (I)	27/02/2024	0.17	0	< 1.0	0	7.61**	8.7	0.36
686 (I)	05/03/2024	0.05	0	< 1.0	0	7.49**	8.5	0.34
686 (I)	12/03/2024	**0.00**	0	< 1.0	0	7.75**	9.2	0.38
686 (I)	19/03/2024	0.06	0	< 1.0	0	7.63**	9.4	0.48
686 (I)	26/03/2024	**0.01**	0	< 1.0	0	7.79**	10.2	0.34
686 (I)	02/04/2024	**0.04**	0	< 1.0	0	7.46**	10.9	0.44
686 (I)	09/04/2024	0.22	0	< 1.0	0	7.50**	13.4	0.22
686 (I)	16/04/2024	0.63	0	< 1.0	0	7.49**	11.1	0.30
686 (I)	23/04/2024	0.16	0	< 1.0	0	7.66**	10.8	0.22
686 (I)	30/04/2024	0.13	0	< 1.0	0	7.33**	9.9	0.19
686 (I)	07/05/2024	0.14	0	< 1.0	0	7.55**	10.3	0.29
686 (I)	14/05/2024	0.44	0	< 1.0	0	7.65**	12.7	0.32
686 (I)	21/05/2024	0.66	0	< 1.0	0	7.30**	10.7	0.43
686 (I)	28/05/2024	**0.00**	0	1.0	0	7.53**	13.1	0.24
686 (I)	04/06/2024	0.14	0	1.0	0	7.33**	13.7	0.28
686 (I)	11/06/2024	0.23	0	< 1.0	0	7.39**	11.6	0.35
686 (I)	18/06/2024	0.30	0	< 1.0	0	7.27**	11.9	0.19
686 (I)	25/06/2024	0.51	0	< 1.0	0	7.32**	11.7	0.22
686 (I)	02/07/2024	0.36	0	< 1.0	0	7.52**	13.3	0.27
686 (I)	09/07/2024	0.51	0	< 1.0	0	7.38**	13.9	0.24
686 (I)	16/07/2024	0.35	0	< 1.0	0	7.56**	14.1	0.26
686 (I)	23/07/2024	0.24	0	< 1.0	0	7.60**	16.4	0.31
686 (I)	30/07/2024	0.52	0	< 1.0	0	7.60**	16.2	0.31
686 (I)	06/08/2024	0.23	0	< 1.0	0	7.46**	17.8	0.19
686 (I)	13/08/2024	0.28	0	< 1.0	0	7.52**	16.4	0.21
686 (I)	20/08/2024	0.41	0	< 1.0	0	7.48**	15.5	0.17
686 (I)	27/08/2024	0.28	0	< 1.0	0	7.61**	17.8	0.18
686 (I)	03/09/2024	0.27	0	< 1.0	0	7.40**	16.1	0.14
686 (I)	10/09/2024	0.33	0	< 1.0	0	7.56**	15.9	0.29
686 (I)	17/09/2024	0.33	0	< 1.0	0	7.60**	19.3	0.20
686 (I)	24/09/2024	0.18	0	1.0	0	7.56**	17.1	0.19
686 (I)	01/10/2024	0.23	0	< 1.0	0	7.20**	16.4	0.21
686 (I)	08/10/2024	0.27	0	< 1.0	0	7.58**	18.2	0.55
686 (I)	15/10/2024	0.10	0	< 1.0	0	7.85	15.5	0.25
686 (I)	22/10/2024	0.05	0	< 1.0	0	7.48	15.1	**2.1**
686 (I)	29/10/2024	**0.03**	0	< 1.0	0	7.70	13.9	1.0
686 (I)	05/11/2024	0.11	0	2.0	0	7.33	14.1	0.58
686 (I)	12/11/2024	**0.03**	0	< 1.0	0	8.16	13.8	0.58
686 (I)	19/11/2024	0.15	0	< 1.0	0	7.71	13.2	0.39
686 (I)	26/11/2024	0.17	0	< 1.0	0	7.16	11.2	0.32
686 (I)	03/12/2024	0.14	0	< 1.0	0	7.32	10.8	0.34
686 (I)	10/12/2024	0.07	0	< 1.0	0	7.33	10.2	0.24
686 (I)	17/12/2024	0.11	0	< 1.0	0	7.84	10.9	0.23
686 (I)	23/12/2024	0.42	0	< 1.0	0	7.54	9.0	0.32
686 (I)	30/12/2024	0.26	0	< 1.0	0	7.73	9.7	0.41
688 (AJ)	02/01/2024	0.57	0	< 1.0	0	7.57**	9.1	0.30
688 (AJ)	09/01/2024	0.35	0	1.0	0	7.76	8.7	0.49
688 (AJ)	16/01/2024	0.44**	0**	< 1.0	0	7.44**	7.4**	0.26
E (693)	08/01/2025	0.9	< 1	< 2	< 1		9.8	
E (693)	15/01/2025	0.65	< 1	< 2	< 1		8.8	
E (693)	29/01/2025	1.12	< 1	2	< 1		8.9	
688 (AJ)	23/01/2024	0.60	0	< 1.0	0	7.59**	6.2	0.32
688 (AJ)	30/01/2024	0.58	0	< 1.0	0	7.56**	9.1	0.42
688 (AJ)	06/02/2024	0.75	0	< 1.0	0	7.63**	9.0	0.29
688 (AJ)	13/02/2024	0.81	0	< 1.0	0	7.58**	7.6	0.32
688 (AJ)	20/02/2024	0.56	0	< 1.0	0	7.65**	7.7	0.28
688 (AJ)	27/02/2024	0.49	0	< 1.0	0	7.66**	8.5	0.27
688 (AJ)	05/03/2024	0.51	0	< 1.0	0	7.60**	8.0	0.28

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
688 (AJ)	12/03/2024	0.54	0	< 1.0	0	7.36**	8.3	0.24
688 (AJ)	19/03/2024	0.64	0	< 1.0	0	7.56**	8.0	0.64
688 (AJ)	26/03/2024	0.61	0	< 1.0	0	7.46**	9.2	0.22
688 (AJ)	02/04/2024	0.56	0	< 1.0	0	7.56**	9.8	0.23
688 (AJ)	09/04/2024	0.65	0	< 1.0	0	7.46**	10.3	0.23
688 (AJ)	16/04/2024	0.80	0	< 1.0	0	7.62**	11.7	0.24
688 (AJ)	23/04/2024	0.64	0	< 1.0	0	7.62**	10.5	0.42
688 (AJ)	30/04/2024	0.53	0	< 1.0	0	7.30**	9.5	0.19
688 (AJ)	07/05/2024	0.18	0	< 1.0	0	7.43**	10.3	0.34
688 (AJ)	14/05/2024	0.49	0	2.0	0	7.64**	12.9	0.29
688 (AJ)	21/05/2024	0.80	0	< 1.0	0	7.36**	10.4	0.28
688 (AJ)	28/05/2024	0.45	0	< 1.0	0	7.64**	12.8	0.38
688 (AJ)	04/06/2024	0.29	0	< 1.0	0	7.43**	14.3	0.19
688 (AJ)	11/06/2024	0.70	0	< 1.0	0	7.38**	11.8	0.27
688 (AJ)	18/06/2024	0.47	0	1.0	0	7.44**	12.3	0.21
688 (AJ)	25/06/2024	0.42	0	1.0	0	7.23**	11.4	0.27
688 (AJ)	02/07/2024	0.50	0	< 1.0	0	7.56**	13.7	0.30
688 (AJ)	09/07/2024	0.43	0	< 1.0	0	7.52**	13.3	0.32
688 (AJ)	16/07/2024	0.41	0	1.0	0	7.56**	14.5	0.20
688 (AJ)	23/07/2024	0.42	0	< 1.0	0	7.54**	17.1	0.24
688 (AJ)	30/07/2024	0.49	0	< 1.0	0	7.64**	17.7	0.24
688 (AJ)	06/08/2024	0.44	0	< 1.0	0	7.32**	17.4	0.19
688 (AJ)	13/08/2024	0.22	0	< 1.0	0	7.60**	16.9	0.19
688 (AJ)	20/08/2024	0.07	0	< 1.0	0	7.26**	17.1	0.21
688 (AJ)	27/08/2024	0.20	0	< 1.0	0	7.59**	18.1	0.19
688 (AJ)	03/09/2024	0.36	0	< 1.0	0	7.51**	16.9	0.25
688 (AJ)	10/09/2024	0.33	0	< 1.0	0	7.52**	17.3	0.21
688 (AJ)	17/09/2024	0.21	0	< 1.0	0	7.56**	18.8	0.19
688 (AJ)	24/09/2024	0.16	0	< 1.0	0	7.59**	16.6	0.18
688 (AJ)	01/10/2024	0.17	0	1.0	0	7.51**	16.0	0.18
688 (AJ)	08/10/2024	0.05	0	< 1.0	0	7.58**	17.6	0.23
688 (AJ)	19/11/2024	0.26	0	< 1.0	0	7.48	11.6	0.39
688 (AJ)	26/11/2024	0.08	0	2.0	0	7.36	10.2	0.36
688 (AJ)	23/12/2024	0.31	0	< 1.0	0	7.56	8.8	0.31
688 (AJ)	30/12/2024	0.36	0	< 1.0	0	7.96	9.0	0.27
689 (J)	02/01/2024	1.05	0	< 1.0	0	7.71**	8.1	0.37
689 (J)	09/01/2024	0.43	0	1.0	0	7.90	7.4	0.57
689 (J)	23/01/2024	1.10	0	< 1.0	0	7.52**	5.3	0.46
689 (J)	30/01/2024	**1.22**	0	1.0	0	7.76**	9.1	0.55
689 (J)	06/02/2024	1.02	0	< 1.0	0	7.82**	8.8	0.33
689 (J)	13/02/2024	0.54	0	< 1.0	0	7.74**	6.3	0.41
689 (J)	20/02/2024	0.89	0	< 1.0	0	7.86**	6.3	0.22
689 (J)	27/02/2024	0.78	0	< 1.0	0	7.74**	6.5	0.48
689 (J)	05/03/2024	0.60	0	< 1.0	0	7.83**	6.1	0.33
689 (J)	12/03/2024	1.02	0	< 1.0	0	7.51**	7.0	0.30
689 (J)	19/03/2024	1.04	0	< 1.0	0	7.84**	7.0	0.61
683 (AK)	08/01/2025	0.1					10.5	
683 (AK)	15/01/2025	0.05					7.6	
683 (AK)	22/01/2025	**0.04**					9.1	
683 (AK)	29/01/2025	0.33					8.3	
689 (J)	26/03/2024	1.04	0	< 1.0	0	7.74**	7.4	0.30
689 (J)	02/04/2024	0.92	0	< 1.0	0	7.79**	7.9	0.28
689 (J)	09/04/2024	1.02	0	< 1.0	0	7.66**	10.3	0.19
689 (J)	16/04/2024	1.00	0	1.0	0	7.82**	8.3	0.27
689 (J)	23/04/2024	0.89	0	< 1.0	0	7.90**	7.8	0.61
689 (J)	30/04/2024	**1.22**	0	< 1.0	0	7.44**	7.5	0.24
689 (J)	07/05/2024	**1.21**	0	< 1.0	0	7.68**	6.6	0.28
689 (J)	14/05/2024	1.06	0	< 1.0	0	7.84**	10.2	0.31
689 (J)	21/05/2024	1.16	0	< 1.0	0	7.60**	8.9	0.43
689 (J)	28/05/2024	1.06	0	< 1.0	0	7.88**	9.9	0.25
689 (J)	04/06/2024	1.01	0	1.0	0	7.58**	12.5	0.35
689 (J)	11/06/2024	0.95	0	< 1.0	0	7.52**	9.6	0.42
689 (J)	18/06/2024	**1.22**	0	< 1.0	0	7.75**	9.6	0.16
689 (J)	25/06/2024	0.97	0	< 1.0	0	7.54**	9.9	0.26
689 (J)	02/07/2024	1.04	0	< 1.0	0	7.86**	9.9	0.23
689 (J)	09/07/2024	1.07	0	< 1.0	0	7.74**	11.7	0.19
689 (J)	16/07/2024	1.06	0	< 1.0	0	7.84**	10.8	0.22
689 (J)	23/07/2024	0.99	0	1.0	0	7.62**	13.4	0.18
689 (J)	30/07/2024	1.111	0	< 1.0	0	7.85**	13.4	0.15
689 (J)	06/08/2024	0.90	0	< 1.0	0	7.60**	13.3	0.20
689 (J)	13/08/2024	0.83	0	< 1.0	0	7.80**	14.0	0.21
689 (J)	20/08/2024	0.92	0	< 1.0	0	7.72**	12.8	0.21
689 (J)	27/08/2024	0.97	0	1.0	0	7.76**	15.4	0.14
689 (J)	03/09/2024	1.13	0	< 1.0	0	7.68**	13.7	0.23
689 (J)	10/09/2024	0.88	0	< 1.0	0	7.80**	14.4	0.16
689 (J)	17/09/2024	0.93	0	< 1.0	0	7.76**	16.2	0.24
689 (J)	24/09/2024	0.43	0	< 1.0	0	7.96**	15.1	0.17
689 (J)	01/10/2024	1.05	0	< 1.0	0	7.51**	14.3	0.19
689 (J)	08/10/2024	0.95	0	< 1.0	0	7.81**	16.5	0.20
689 (J)	15/10/2024	1.09	0	< 1.0	0	7.72	13.5	0.17
689 (J)	22/10/2024	**1.43**	0	< 1.0	0	7.85	12.6	**2.0**
689 (J)	29/10/2024	1.13	0	1.0	0	7.70	10.8	0.79
689 (J)	05/11/2024	**1.48**	0	1.0	0	7.78	11.5	0.92
689 (J)	12/11/2024	0.90	0	< 1.0	0	7.47	11.7	0.55
689 (J)	19/11/2024	1.14	0	< 1.0	0	7.60	10.1	0.38
689 (J)	26/11/2024	1.13	0	< 1.0	0	7.62	8.8	0.41
689 (J)	03/12/2024	0.63	0	< 1.0	0	7.49	8.6	0.41
689 (J)	10/12/2024	0.96	0	< 1.0	0	7.52	7.9	0.37
689 (J)	17/12/2024	**10.1**	0	< 1.0	0	8.11	10.0	0.38
689 (J)	23/12/2024	**1.67**	0	< 1.0	0	7.78	7.5	0.1
689 (J)	30/12/2024	1.00	0	< 1.0	0	8.08	8.1	0.56
695 (T)	02/01/2024	0.22	0	< 1.0	0	7.77**	9.9	0.46
695 (T)	09/01/2024	0.21	0	< 1.0	0	7.67	10.7	0.41
695 (T)	16/01/2024	0.54	0	2.0	0	7.36**	9.8	0.24
695 (T)	23/01/2024	0.44	0	< 1.0	0	7.96**	8.4	0.33
695 (T)	30/01/2024	0.20	0	1.0	0	7.87**	10.5	**2.3**

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
695 (T)	06/02/2024	0.45	0	< 1.0	0	7.80**	10.5	0.38
695 (T)	13/02/2024	0.36	0	< 1.0	0	7.84**	9.2	0.36
695 (T)	20/02/2024	0.20	0	< 1.0	0	7.91**	9.4	0.23
695 (T)	27/02/2024	0.29	0	< 1.0	0	7.73**	9.7	0.30
695 (T)	05/03/2024	0.24	0	< 1.0	0	7.82**	9.2	0.47
695 (T)	12/03/2024	0.25	0	< 1.0	0	7.93**	10.0	0.30
Y	08/01/2025	0.76	0	< 1.0	0	7.29	10.8	0.12
Y	15/01/2025	0.88	0	< 1.0	0	7.36	9.9	0.13
Y	22/01/2025	0.89	0	< 1.0	0	7.51**	9.6	0.17
Y	29/01/2025	0.28	0	< 1.0	0	7.29	8.9	0.24
695 (T)	19/03/2024	0.20	0	< 1.0	0	7.96**	9.5	0.45
695 (T)	26/03/2024	0.09	0	< 1.0	0	7.75**	10.0	0.26
695 (T)	02/04/2024	0.34	0	< 1.0	0	7.86**	10.1	0.33
695 (T)	09/04/2024	0.68	0	< 1.0	0	7.89**	12.4	0.23
695 (T)	16/04/2024	0.39	0	1.0	0	7.77**	12.2	0.25
695 (T)	23/04/2024	0.32	0	1.0	0	7.96**	11.2	0.36
695 (T)	30/04/2024	0.39	0	1.0	0	7.62**	9.9	0.17
695 (T)	07/05/2024	0.45	0	< 1.0	0	7.74**	10.3	0.25
695 (T)	14/05/2024	0.43	0	< 1.0	0	7.84**	12.9	0.23
695 (T)	21/05/2024	0.61	0	1.0	0	7.62**	10.8	0.26
695 (T)	28/05/2024	0.31	0	< 1.0	0	7.80**	12.5	0.22
695 (T)	04/06/2024	0.26	0	< 1.0	0	7.74**	13.7	0.23
695 (T)	11/06/2024	0.49	0	< 1.0	0	7.68**	11.4	0.21
695 (T)	18/06/2024	0.32	0	< 1.0	0	7.72**	12.3	0.20
695 (T)	25/06/2024	0.47	0	< 1.0	0	7.66**	12.0	0.22
695 (T)	02/07/2024	0.47	0	< 1.0	0	7.83**	13.7	0.19
695 (T)	09/07/2024	0.48	0	< 1.0	0	7.70**	12.9	0.20
695 (T)	16/07/2024	0.23	0	< 1.0	0	7.93**	14.2	0.21
695 (T)	23/07/2024	0.18	0	< 1.0	0	7.94**	17.5	0.24
695 (T)	30/07/2024	0.26	0	1.0	0	7.33**	16.9	0.28
695 (T)	06/08/2024	0.51	0	1.0	0	7.82**	17.8	0.19
695 (T)	13/08/2024	0.33	0	< 1.0	0	7.82**	17.0	0.24
695 (T)	20/08/2024	0.29	0	1.0	0	7.80**	17.3	0.22
695 (T)	27/08/2024	0.13	0	< 1.0	0	7.98**	18.7	0.19
695 (T)	03/09/2024	0.28	0	< 1.0	0	7.90**	17.3	0.34
695 (T)	10/09/2024	0.27	0	< 1.0	0	7.89**	16.5	0.18
695 (T)	17/09/2024	0.12	0	< 1.0	0	7.98**	**20.1**	0.65
695 (T)	24/09/2024	**0.04**	0	< 1.0	0	7.90**	18.0	0.34
695 (T)	01/10/2024	**0.03**	0	< 1.0	0	7.76**	17.1	0.28
695 (T)	08/10/2024	0.10	0	< 1.0	0	7.96**	19.2	0.45
695 (T)	15/10/2024	0.05	0	< 1.0	0	7.76	15.9	0.26
695 (T)	22/10/2024	0.16	0	< 1.0	0	7.69	15.3	**2.0**
695 (T)	29/10/2024	0.08	0	< 1.0	0	7.87	13.9	0.88
695 (T)	05/11/2024	0.32	0	< 1.0	0	7.32	13.9	0.68
695 (T)	12/11/2024	0.11	0	< 1.0	0	7.78	13.6	0.59
695 (T)	19/11/2024	0.08	0	< 1.0	0	7.43	13.6	0.55
695 (T)	26/11/2024	0.06	0	< 1.0	0	7.28	11.5	0.40
695 (T)	03/12/2024	0.14	0	< 1.0	0	7.31	11.0	0.43
695 (T)	10/12/2024	0.06	0	< 1.0	0	7.10	10.1	0.35
695 (T)	17/12/2024	0.18	0	< 1.0	0	7.97	11.3	0.48
695 (T)	23/12/2024	0.27	0	< 1.0	0	7.50	9.5	0.38
695 (T)	30/12/2024	0.12	0	1.0	0	7.42	10.1	0.40
696 (K)	02/01/2024	0.48	0	< 1.0	0	7.70**	8.8	0.40
696 (K)	09/01/2024	0.54	0	< 1.0	0	7.92	7.8	0.38
696 (K)	16/01/2024	0.98	0	1.0	0	7.58**	5.8	0.26
688 (AJ)	08/01/2025	0.14					8.5	
688 (AJ)	15/01/2025	0.23					8.3	
688 (AJ)	22/01/2025	0.2					8	
688 (AJ)	29/01/2025	0.82					6.8	
696 (K)	23/01/2024	0.49	0	< 1.0	0	7.52**	5.5	0.29
696 (K)	30/01/2024	0.48	0	1.0	0	7.70**	7.6	0.66
696 (K)	06/02/2024	0.76	0	< 1.0	0	7.70**	8.8	0.40
696 (K)	13/02/2024	0.46	0	< 1.0	0	7.70**	7.2	0.42
696 (K)	20/02/2024	0.42	0	< 1.0	0	7.74**	7.1	0.21
696 (K)	27/02/2024	0.50	0	< 1.0	0	7.71**	7.2	0.65
696 (K)	05/03/2024	0.72	0	< 1.0	0	7.76**	6.2	0.80
696 (K)	12/03/2024	0.82	0	< 1.0	0	7.44**	7.2	0.25
696 (K)	19/03/2024	0.82	0	< 1.0	0	7.80**	6.9	0.65
696 (K)	26/03/2024	0.70	0	< 1.0	0	7.68**	8.0	0.26
696 (K)	02/04/2024	0.68	0	< 1.0	0	7.72**	8.5	0.25
696 (K)	09/04/2024	0.90	0	< 1.0	0	7.59**	10.2	0.22
696 (K)	16/04/2024	0.85	0	< 1.0	0	7.74**	9.2	0.21
696 (K)	23/04/2024	0.69	0	< 1.0	0	7.82**	8.2	0.72
696 (K)	30/04/2024	1.04	0	< 1.0	0	7.50**	7.9	0.21
696 (K)	07/05/2024	1.10	0	< 1.0	0	7.52**	7.7	0.22
696 (K)	14/05/2024	0.95	0	< 1.0	0	7.84**	10.8	0.50
696 (K)	21/05/2024	1.07	0	< 1.0	0	7.55**	8.7	0.39
696 (K)	28/05/2024	1.08	0	< 1.0	0	7.84**	10.8	0.21
696 (K)	04/06/2024	1.04	0	< 1.0	0	7.52**	12.8	0.27
696 (K)	11/06/2024	0.89	0	< 1.0	0	7.57**	10.8	0.32
696 (K)	18/06/2024	1.10	0	< 1.0	0	7.61**	10.3	0.20
696 (K)	25/06/2024	1.04	0	< 1.0	0	7.49**	10.2	0.22
696 (K)	02/07/2024	0.94	0	< 1.0	0	7.80**	11.1	0.22
696 (K)	09/07/2024	1.02	0	< 1.0	0	7.67**	12.1	0.21
696 (K)	16/07/2024	1.07	0	< 1.0	0	7.76**	12.0	0.21
696 (K)	23/07/2024	0.89	0	< 1.0	0	7.58**	13.9	0.24
696 (K)	30/07/2024	1.01	0	< 1.0	0	7.84**	14.6	0.16
696 (K)	06/08/2024	0.86	0	< 1.0	0	7.52**	14.1	0.24
696 (K)	13/08/2024	0.95	0	< 1.0	0	7.69**	14.5	0.16
696 (K)	20/08/2024	0.92	0	< 1.0	0	7.66**	13.9	0.17
696 (K)	27/08/2024	0.99	0	< 1.0	0	7.56**	15.0	0.18
696 (K)	03/09/2024	0.99	0	< 1.0	0	7.58**	14.6	0.20
696 (K)	10/09/2024	0.92	0	< 1.0	0	7.72**	14.3	0.16
696 (K)	17/09/2024	0.88	0	< 1.0	0	7.59**	16.9	0.21
696 (K)	24/09/2024	0.81	0	2.0	0	7.86**	15.5	0.24
696 (K)	01/10/2024	0.86	0	< 1.0	0	7.46**	14.8	0.20

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
696 (K)	08/10/2024	0.76	0	< 1.0	0	7.72**	16.6	0.20
696 (K)	15/10/2024	0.50**	0**	< 1.0	0	7.51**	14.2**	0.26
696 (K)	22/10/2024	0.80**	0**	< 1.0	0	7.55**	13.5**	**1.38**
696 (K)	29/10/2024	0.57**	0**	< 1.0	0	7.68**	12.2**	0.85
696 (K)	05/11/2024	0.76**	0**	< 1.0	0	7.80**	12.3**	0.76
696 (K)	12/11/2024	0.48**	0**	< 1.0	0	7.39**	12.2**	0.54
696 (K)	19/11/2024	0.71	0	< 1.0	0	7.86	10.2	0.43
696 (K)	26/11/2024	0.48	0	< 1.0	0	7.75	9.2	0.41
696 (K)	03/12/2024	0.38**	0**	1.0	0	7.40**	9.2**	0.34
696 (K)	10/12/2024	0.36**	0**	< 1.0	0	7.48**	8.6**	0.41
696 (K)	17/12/2024	0.50**	0**	< 1.0	0	7.98**	9.6**	0.56
696 (K)	23/12/2024	1.02	0	< 1.0	0	7.69	8.0	0.40
696 (K)	30/12/2024	0.62	0	< 1.0	0	8.14	8.0	0.46
697 (AC)	02/01/2024	0.44	0	< 1.0	0	7.68**	8.5	0.39
697 (AC)	09/01/2024	0.17	0	< 1.0	0	7.81	8.0	0.46
700 (W)	08/01/2025	0.47					7.1	
700 (W)	15/01/2025	0.61					7.7	
700 (W)	22/01/2025	0.6					6.8	
700 (W)	29/01/2025	0.1					6	
697 (AC)	16/01/2024	0.40	0	< 1.0	0	7.51**	6.8	0.24
697 (AC)	23/01/2024	0.31	0	< 1.0	0	7.60**	5.3	0.29
697 (AC)	30/01/2024	0.48	0	< 1.0	0	7.64**	8.0	0.60
697 (AC)	06/02/2024	0.65	0	< 1.0	0	7.64**	8.8	0.30
697 (AC)	13/02/2024	0.45	0	< 1.0	0	7.61**	6.7	0.40
697 (AC)	20/02/2024	0.41	0	< 1.0	0	7.72**	6.8	0.27
697 (AC)	27/02/2024	0.26	0	< 1.0	0	7.66**	7.9	0.63
697 (AC)	05/03/2024	0.40	0	< 1.0	0	7.74**	6.6	0.30
697 (AC)	12/03/2024	0.65	0	< 1.0	0	7.49**	7.5	0.24
697 (AC)	19/03/2024	0.50	0	1.0	0	7.74**	7.5	0.41
697 (AC)	26/03/2024	0.42	0	< 1.0	0	7.61**	8.1	0.25
697 (AC)	02/04/2024	0.18	0	< 1.0	0	7.62**	8.8	0.26
697 (AC)	09/04/2024	0.53	0	< 1.0	0	7.50**	10.3	0.20
697 (AC)	16/04/2024	0.07	0	< 1.0	0	7.64**	10.0	0.26
697 (AC)	23/04/2024	0.30	0	< 1.0	0	7.72**	8.8	0.39
697 (AC)	30/04/2024	0.41	0	< 1.0	0	7.42**	9.0	0.28
697 (AC)	07/05/2024	0.13	0	< 1.0	0	7.40**	8.7	0.23
697 (AC)	14/05/2024	0.84	0	< 1.0	0	7.74**	11.1	0.32
697 (AC)	21/05/2024	0.38	0	< 1.0	0	7.32**	9.6	0.31
697 (AC)	28/05/2024	0.40	0	< 1.0	0	7.68**	11.1	0.26
697 (AC)	04/06/2024	0.56	0	< 1.0	0	7.48**	12.5	0.25
697 (AC)	11/06/2024	0.43	0	< 1.0	0	7.36**	10.0	0.36
697 (AC)	18/06/2024	0.86	0	< 1.0	0	7.30**	10.5	0.19
697 (AC)	25/06/2024	0.29	0	< 1.0	0	7.36**	10.8	0.22
697 (AC)	02/07/2024	0.51	0	< 1.0	0	7.70**	12.7	0.16
697 (AC)	09/07/2024	0.56	0	< 1.0	0	7.58**	12.4	0.21
697 (AC)	16/07/2024	0.37	0	< 1.0	0	7.66**	12.8	0.19
697 (AC)	23/07/2024	0.16	0	< 1.0	0	7.54**	15.4	0.33
697 (AC)	30/07/2024	0.24	0	< 1.0	0	7.68**	15.1	0.21
697 (AC)	06/08/2024	0.28	0	< 1.0	0	7.42**	15.6	0.17
697 (AC)	13/08/2024	0.26	0	< 1.0	0	7.62**	15.0	0.19
697 (AC)	20/08/2024	0.11	0	< 1.0	0	7.35**	15.7	0.32
697 (AC)	27/08/2024	0.13	0	< 1.0	0	7.62**	16.5	0.16
697 (AC)	03/09/2024	0.20	0	< 1.0	0	7.51**	15.1	0.19
697 (AC)	10/09/2024	0.27	0	< 1.0	0	7.62**	15.6	0.23
697 (AC)	17/09/2024	0.63	0	5.0	0	7.60**	17.0	0.17
697 (AC)	24/09/2024	0.31	0	1.0	0	7.76**	15.6	0.20
697 (AC)	01/10/2024	0.40	0	< 1.0	0	7.42**	14.9	0.20
697 (AC)	08/10/2024	0.53	0	< 1.0	0	7.71**	16.9	0.17
697 (AC)	15/10/2024	0.19	0	< 1.0	0	7.63	13.8	0.24
697 (AC)	22/10/2024	0.87	0	< 1.0	0	7.90	13.3	**2.3**
697 (AC)	29/10/2024	0.80	0	2.0	0	7.79	12.6	0.85
697 (AC)	05/11/2024	0.55	0	< 1.0	0	7.33	12.4	0.60
697 (AC)	12/11/2024	0.61	0	< 1.0	0	7.45	11.8	0.51
697 (AC)	19/11/2024	0.48	0	< 1.0	0	7.52	10.5	0.45
697 (AC)	26/11/2024	0.34	0	< 1.0	0	7.64	9.4	0.49
697 (AC)	03/12/2024	0.43	0	< 1.0	0	7.51	8.7	0.31
697 (AC)	10/12/2024	0.12	0	< 1.0	0	7.36	8.7	0.46
697 (AC)	17/12/2024	0.67	0	< 1.0	0	8.05	10.0	0.30
697 (AC)	23/12/2024	0.22	0	< 1.0	0	7.80	8.2	0.33
697 (AC)	30/12/2024	0.57	0	< 1.0	0	8.12	8.6	0.34
698 (C)	02/01/2024	0.17	0	< 1.0	0	7.30**	9.3	0.36
699 (V)	08/01/2025	0.21					8.4	
699 (V)	15/01/2025	0.12					7.8	
699 (V)	22/01/2025	0.11					8.8	
699 (V)	29/01/2025	0.34					7.3	
698 (C)	09/01/2024	0.32	0	< 1.0	0	7.2	8.0	0.61
698 (C)	16/01/2024	0.34	0	< 1.0	0	7.36**	6.5	0.27
698 (C)	23/01/2024	0.25	0	< 1.0	0	7.36**	6.1	0.43
698 (C)	30/01/2024	0.13	0	< 1.0	0	7.25**	8.6	0.58
698 (C)	06/02/2024	0.35	0	< 1.0	0	7.42**	8.8	0.33
698 (C)	13/02/2024	0.21	0	< 1.0	0	7.42**	7.5	0.41
698 (C)	20/02/2024	0.23	0	< 1.0	0	7.98**	7.2	0.25
698 (C)	27/02/2024	0.27	0	< 1.0	0	7.55**	8.0	0.41
698 (C)	05/03/2024	0.19	0	< 1.0	0	7.20**	6.3	0.29
698 (C)	12/03/2024	0.20	0	4.0	0	**6.94****	7.5	0.26
698 (C)	19/03/2024	0.20	0	< 1.0	0	7.34**	7.7	0.38
698 (C)	26/03/2024	0.20	0	< 1.0	0	7.29**	8.9	0.29
698 (C)	02/04/2024	0.28	0	< 1.0	0	**6.97****	9.2	0.23
698 (C)	09/04/2024	0.24	0	< 1.0	0	7.18**	10.1	0.22
698 (C)	16/04/2024	0.18	0	< 1.0	0	**7.11****	9.0	0.23
698 (C)	23/04/2024	0.25	0	< 1.0	0	**6.90****	9.6	0.24
698 (C)	30/04/2024	0.63	0	< 1.0	0	**6.84****	8.9	0.31
698 (C)	07/05/2024	0.23	0	< 1.0	0	7.03**	9.3	0.30
698 (C)	14/05/2024	0.35	0	< 1.0	0	7.32**	11.1	0.33
698 (C)	21/05/2024	0.29	0	< 1.0	0	**6.78****	9.9	0.31
698 (C)	28/05/2024	0.05	0	< 1.0	0	7.54**	11.7	0.37

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
698 (C)	04/06/2024	0.09	0	< 1.0	0	**6.96****	13.2	0.23
698 (C)	11/06/2024	0.17	0	< 1.0	0	7.21**	11.8	0.40
698 (C)	18/06/2024	0.16	0	< 1.0	0	**6.77****	11.5	0.27
698 (C)	25/06/2024	0.25	0	< 1.0	0	7.17**	11.2	0.25
698 (C)	02/07/2024	0.12	0	< 1.0	0	**7.08****	12.4	0.20
698 (C)	09/07/2024	0.23	0	< 1.0	0	7.06**	12.8	0.21
698 (C)	16/07/2024	0.17	0	< 1.0	0	7.92**	13.2	0.25
698 (C)	23/07/2024	0.30	0	< 1.0	0	7.18**	15.0	0.24
698 (C)	30/07/2024	0.22	0	< 1.0	0	**7.11****	14.9	0.25
698 (C)	06/08/2024	0.25	0	< 1.0	0	**6.86****	14.9	0.23
698 (C)	13/08/2024	0.18	0	< 1.0	0	**6.98****	14.9	0.20
698 (C)	20/08/2024	0.27	0	< 1.0	0	**6.84****	15.3	0.21
698 (C)	27/08/2024	0.13	0	1.0	0	**6.74****	16.5	0.17
698 (C)	03/09/2024	0.17	0	< 1.0	0	7.03**	15.3	0.18
698 (C)	10/09/2024	0.17	0	< 1.0	0	**6.96****	15.3	0.36
698 (C)	17/09/2024	0.17	0	< 1.0	0	7.68**	17.2	0.26
698 (C)	24/09/2024	0.18	0	< 1.0	0	7.88**	16.0	0.24
698 (C)	01/10/2024	0.06	0	< 1.0	0	7.12**	14.7	0.22
698 (C)	08/10/2024	0.1	0	< 1.0	0	7.02**	17.0	0.40
698 (C)	15/10/2024	0.10	0	< 1.0	0	7.60	15.3	0.19
698 (C)	22/10/2024	0.07	0	< 1.0	0	6.86	14.2	**1.1**
698 (C)	29/10/2024	0.13	0	< 1.0	0	7.58	12.5	**1.2**
698 (C)	05/11/2024	0.23	0	1.0	0	7.31	12.7	0.69
698 (C)	12/11/2024	0.12	0	< 1.0	0	7.58	12.5	0.55
698 (C)	19/11/2024	0.06	0	< 1.0	0	7.57	11.2	0.42
698 (C)	26/11/2024	0.10	0	< 1.0	0	7.35	9.9	0.40
698 (C)	03/12/2024	0.08	0	< 1.0	0	7.05	9.6	0.48
698 (C)	10/12/2024	0.07	0	< 1.0	0	7.44	8.6	0.33
698 (C)	17/12/2024	0.15	0	< 1.0	0	7.82	9.4	0.30
698 (C)	23/12/2024	0.3	0	< 1.0	0	7.23	8.7	0.45
698 (C)	30/12/2024	0.18	0	< 1.0	0	7.75	9.0	0.37
699 (V)	02/01/2024	0.32	0	< 1.0	0	7.28**	9.2	0.37
695 (T)	08/01/2025	0.22					10.2	
695 (T)	15/01/2025	0.1					8.6	
695 (T)	22/01/2025	0.14					8.7	
695 (T)	29/01/2025	0.39					9	
699 (V)	09/01/2024	0.24	0	< 1.0	0	7.91	7.9	0.43
699 (V)	23/01/2024	0.17	0	< 1.0	0	7.30**	6.0	0.47
699 (V)	30/01/2024	0.14	0	< 1.0	0	**6.99****	8.4	0.43
699 (V)	06/02/2024	0.25	0	< 1.0	0	7.40**	9.6	0.66
699 (V)	13/02/2024	0.15	0	< 1.0	0	7.22**	8.8	0.35
699 (V)	20/02/2024	0.41	0	< 1.0	0	8.09**	7.7	0.39
699 (V)	27/02/2024	0.40	0	< 1.0	0	7.74**	7.1	0.33
699 (V)	05/03/2024	0.08	0	< 1.0	0	7.06**	6.1	0.35
699 (V)	12/03/2024	0.24	0	< 1.0	0	7.06**	7.0	0.29
699 (V)	19/03/2024	0.34	0	< 1.0	0	7.71**	7.7	0.53
699 (V)	26/03/2024	0.14	0	< 1.0	0	7.33**	9.7	0.35
699 (V)	02/04/2024	0.35	0	< 1.0	0	7.74**	11.7	0.24
699 (V)	09/04/2024	0.12	0	< 1.0	0	7.02**	10.1	0.22
699 (V)	16/04/2024	0.40	0	< 1.0	0	7.16**	9.6	0.23
699 (V)	23/04/2024	0.21	0	< 1.0	0	7.57**	9.7	0.28
699 (V)	30/04/2024	0.34	0	< 1.0	0	6.98**	8.8	0.21
699 (V)	07/05/2024	0.17	0	< 1.0	0	7.14**	9.9	0.26
699 (V)	14/05/2024	0.17	0	< 1.0	0	7.46**	11.4	0.31
699 (V)	21/05/2024	0.25	0	< 1.0	0	7.16**	9.7	0.26
699 (V)	28/05/2024	0.05	0	< 1.0	0	7.61**	11.9	0.30
699 (V)	04/06/2024	0.13	0	< 1.0	0	7.19**	13.3	0.22
699 (V)	11/06/2024	0.14	0	< 1.0	0	7.08**	11.6	0.31
699 (V)	18/06/2024	0.16	0	< 1.0	0	7.06**	11.6	0.29
699 (V)	25/06/2024	0.12	0	< 1.0	0	7.06**	12.1	0.25
699 (V)	02/07/2024	0.08	0	< 1.0	0	7.40**	12.6	0.41
699 (V)	09/07/2024	0.11	0	< 1.0	0	7.42**	13.7	0.18
699 (V)	16/07/2024	0.12	0	< 1.0	0	7.46**	13.7	0.20
699 (V)	23/07/2024	0.07	0	1.0	0	7.50**	16.4	0.29
699 (V)	30/07/2024	0.10	0	< 1.0	0	7.16**	15.6	0.20
699 (V)	06/08/2024	0.09	0	< 1.0	0	7.24**	16.5	0.31
699 (V)	13/08/2024	0.08	0	< 1.0	0	7.40**	16.4	0.25
699 (V)	20/08/2024	0.06	0	< 1.0	0	7.33**	16.5	0.33
699 (V)	27/08/2024	0.11	0	< 1.0	0	7.08**	17.7	0.19
699 (V)	03/09/2024	0.12	0	< 1.0	0	7.25**	16.2	0.27
699 (V)	10/09/2024	0.11	0	< 1.0	0	7.00**	16.1	0.20
699 (V)	17/09/2024	0.16	0	< 1.0	0	7.56**	17.4	0.20
699 (V)	24/09/2024	0.07	0	< 1.0	0	7.66**	16.4	0.23
699 (V)	01/10/2024	**0.04**	0	< 1.0	0	7.46**	14.4	0.23
699 (V)	08/10/2024	0.07	0	1.0	0	7.08**	17.2	0.25
699 (V)	15/10/2024	0.12	0	< 1.0	0	7.05	15.3	0.20
699 (V)	22/10/2024	0.05	0	< 1.0	0	7.05	14.3	0.90
699 (V)	29/10/2024	0.11	0	< 1.0	0	7.52	12.8	**1.1**
699 (V)	05/11/2024	0.18	0	< 1.0	0	7.40	12.4	0.66
699 (V)	12/11/2024	0.08	0	< 1.0	0	7.78	12.6	0.54
699 (V)	19/11/2024	**0.04**	0	< 1.0	0	7.04	11.0	0.43
699 (V)	26/11/2024	0.08	0	< 1.0	0	7.33	10.6	0.48
699 (V)	03/12/2024	0.08	0	< 1.0	0	7.24	9.5	0.37
699 (V)	10/12/2024	**0.04**	0	< 1.0	0	7.60	8.9	0.50
699 (V)	17/12/2024	0.09	0	< 1.0	0	7.87	9.5	0.43
699 (V)	23/12/2024	0.10	0	< 1.0	0	7.25	8.5	0.41
699 (V)	30/12/2024	0.13	0	< 1.0	0	7.91	8.7	0.33
700 (W)	02/01/2024	0.18	0	< 1.0	0	7.54**	8.9	0.39
700 (W)	09/01/2024	0.28	0	< 1.0	0	7.80	8.0	0.52
467 (U)	08/01/2025	0.64	< 1	2	< 1		7.9	
467 (U)	15/01/2025	0.55	< 1	< 2	< 1		8.2	
467 (U)	22/01/2025	0.73	< 1	4	< 1		7.9	
467 (U)	29/01/2025		< 1	< 2	< 1		7	
700 (W)	23/01/2024	0.26	0	< 1.0	0	7.40**	5.8	0.61
700 (W)	30/01/2024	0.23	0	< 1.0	0	7.52**	8.5	0.54
700 (W)	06/02/2024	0.43	0	< 1.0	0	7.62**	8.4	0.34

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
700 (W)	13/02/2024	0.17	0	< 1.0	0	7.56**	7.2	0.36
700 (W)	20/02/2024	0.15	0	< 1.0	0	7.46**	7.4	0.23
700 (W)	27/02/2024	0.21	0	< 1.0	0	7.60**	7.9	0.63
700 (W)	05/03/2024	0.24	0	2.0	0	7.56**	6.2	0.46
700 (W)	12/03/2024	0.38	0	< 1.0	0	7.30**	7.4	0.29
700 (W)	19/03/2024	0.21	0	< 1.0	0	7.60**	7.4	0.42
700 (W)	26/03/2024	0.20	0	< 1.0	0	7.50**	8.6	0.25
700 (W)	02/04/2024	0.26	0	< 1.0	0	7.58**	9.3	0.21
700 (W)	09/04/2024	0.56	0	< 1.0	0	7.44**	10.2	0.18
700 (W)	16/04/2024	0.62	0	< 1.0	0	7.70**	9.2	0.22
700 (W)	23/04/2024	0.44	0	< 1.0	0	7.63**	9.2	0.41
700 (W)	30/04/2024	0.38	0	< 1.0	0	7.42**	9.0	0.19
700 (W)	07/05/2024	0.55	0	< 1.0	0	7.56**	9.4	0.43
700 (W)	14/05/2024	0.74	0	< 1.0	0	7.66**	11.5	0.29
700 (W)	21/05/2024	0.75	0	< 1.0	0	7.50**	9.9	0.34
700 (W)	28/05/2024	0.50	0	< 1.0	0	7.75**	11.8	0.23
700 (W)	04/06/2024	0.39	0	< 1.0	0	7.46**	13.8	0.26
700 (W)	11/06/2024	0.57	0	< 1.0	0	7.38**	10.7	0.21
700 (W)	18/06/2024	0.61	0	< 1.0	0	7.55**	11.4	0.18
700 (W)	25/06/2024	0.62	0	< 1.0	0	7.32**	11.6	0.19
700 (W)	02/07/2024	0.55	0	< 1.0	0	7.66**	13.3	0.20
700 (W)	09/07/2024	0.63	0	< 1.0	0	7.51**	13.1	0.28
700 (W)	16/07/2024	0.61	0	< 1.0	0	7.58**	13.4	0.20
700 (W)	23/07/2024	0.49	0	< 1.0	0	7.49**	15.1	0.37
700 (W)	30/07/2024	0.47	0	< 1.0	0	7.60**	15.3	0.22
700 (W)	06/08/2024	0.53	0	< 1.0	0	7.39**	14.8	0.25
700 (W)	13/08/2024	0.41	0	1.0	0	7.56**	15.3	0.20
700 (W)	20/08/2024	0.40	0	< 1.0	0	7.46**	16.0	0.28
700 (W)	27/08/2024	0.37	0	< 1.0	0	7.42**	17.4	0.21
700 (W)	03/09/2024	0.44	0	< 1.0	0	7.39**	15.7	0.53
700 (W)	10/09/2024	0.46	0	< 1.0	0	7.54**	15.6	0.15
700 (W)	17/09/2024	0.35	0	< 1.0	0	7.36**	17.6	0.20
700 (W)	24/09/2024	0.18	0	< 1.0	0	7.68**	16.0	0.19
700 (W)	01/10/2024	0.23	0	< 1.0	0	7.32**	15.2	0.22
700 (W)	08/10/2024	0.17	0	< 1.0	0	7.52**	17.1	0.23
700 (W)	15/10/2024	0.19	0	< 1.0	0	7.45	14.7	0.25
700 (W)	22/10/2024	0.14	0	< 1.0	0	7.16	14.0	**2.4**
700 (W)	29/10/2024	0.21	0	2.0	0	7.40	12.4	0.89
700 (W)	05/11/2024	0.41	0	2.0	0	7.43	12.8	0.63
700 (W)	12/11/2024	0.16	0	< 1.0	0	7.60	12.2	0.52
700 (W)	19/11/2024	0.16	0	< 1.0	0	7.42	10.9	0.46
700 (W)	26/11/2024	0.22	0	< 1.0	0	7.47	9.6	0.39
700 (W)	03/12/2024	0.15	0	< 1.0	0	7.17	9.3	0.36
700 (W)	10/12/2024	0.07	0	< 1.0	0	7.45	8.5	0.42
700 (W)	17/12/2024	0.30	0	< 1.0	0	7.86	10.1	0.38
700 (W)	23/12/2024	0.26	0	< 1.0	0	7.40	8.1	0.30
700 (W)	30/12/2024	0.20	0	< 1.0	0	8.02	8.8	0.34
705 (H)	02/01/2024	0.09	0	< 1.0	0	7.48**	9.5	0.43
705 (H)	09/01/2024	0.08	0	< 1.0	0	7.62	9.4	0.41
705 (H)	23/01/2024	**0.03**	0	12	0	7.68**	7.2	**1.4**
S	08/01/2025	0.09	0	< 1.0	0	7.30	9.8	0.42
S	15/01/2025	0.27	0	< 1.0	0	7.55	9.4	0.47
S	22/01/2025	0.26	0	< 1.0	0	7.76**	10.5	0.49
S	29/01/2025	0.26	0	< 1.0	0	7.44	8.0	0.55
705 (H)	30/01/2024	**0.02**	0	1.0	0	7.44**	9.3	0.44
705 (H)	06/02/2024	0.10	0	< 1.0	0	7.53**	9.4	0.31
705 (H)	13/02/2024	**0.02**	0	< 1.0	0	7.42**	10.8	0.38
705 (H)	20/02/2024	0.13	0	< 1.0	0	7.45**	8.8	0.24
705 (H)	27/02/2024	0.13	0	< 1.0	0	7.54**	9.1	0.36
705 (H)	05/03/2024	0.13	0	1.0	0	7.53**	9.6	0.40
705 (H)	12/03/2024	0.14	0	< 1.0	0	7.62**	10.1	0.26
705 (H)	19/03/2024	0.10	0	< 1.0	0	7.63**	9.1	0.37
705 (H)	26/03/2024	0.06	0	< 1.0	0	7.39**	9.3	0.29
705 (H)	02/04/2024	0.07	0	< 1.0	0	7.42**	10.4	0.26
705 (H)	09/04/2024	0.10	0	< 1.0	0	7.52**	13.1	0.22
705 (H)	16/04/2024	**0.02**	0	< 1.0	0	7.43**	12.2	0.27
705 (H)	23/04/2024	0.05	0	< 1.0	0	**8.16****	10.8	0.26
705 (H)	30/04/2024	0.10	0	< 1.0	0	7.32**	9.6	0.19
705 (H)	07/05/2024	0.09	0	< 1.0	0	7.26**	10.7	0.24
705 (H)	14/05/2024	**0.02**	0	< 1.0	0	7.86**	13.3	0.24
705 (H)	21/05/2024	0.15	0	< 1.0	0	7.29**	10.9	0.45
705 (H)	28/05/2024	**0.00**	0	< 1.0	0	7.60**	13.1	0.37
705 (H)	04/06/2024	0.11	0	1.0	0	7.61**	14.2	0.31
705 (H)	11/06/2024	0.08	0	< 1.0	0	7.72**	11.9	0.28
705 (H)	18/06/2024	**0.00**	0	3.0	0	7.60**	12.8	0.20
705 (H)	25/06/2024	0.11	0	< 1.0	0	7.32**	12.3	0.24
705 (H)	02/07/2024	**0.02**	0	< 1.0	0	7.69**	13.8	0.23
705 (H)	09/07/2024	0.16	0	< 1.0	0	7.52**	13.8	0.24
705 (H)	16/07/2024	0.12	0	< 1.0	0	7.63**	13.8	0.20
705 (H)	23/07/2024	**0.00**	0	< 1.0	0	7.58**	16.4	0.22
705 (H)	30/07/2024	0.21	0	1.0	0	7.52**	16.1	0.17
705 (H)	06/08/2024	**0.02**	0	< 1.0	0	7.49**	16.8	0.23
705 (H)	13/08/2024	0.05	0	< 1.0	0	7.62**	17.0	0.22
705 (H)	20/08/2024	**0.04**	0	< 1.0	0	7.54**	17.1	0.20
705 (H)	27/08/2024	0.21	0	< 1.0	0	7.58**	18.9	0.17
705 (H)	03/09/2024	**0.02**	0	< 1.0	0	7.44**	17.5	0.20
705 (H)	10/09/2024	**0.04**	0	< 1.0	0	7.68**	17.9	0.18
705 (H)	17/09/2024	0.14	0	3.0	0	7.63**	19.4	0.18
705 (H)	24/09/2024	**0.04**	0	< 1.0	0	7.62**	16.4	0.20
705 (H)	01/10/2024	**0.03**	0	< 1.0	0	7.36**	15.2	0.21
705 (H)	08/10/2024	0.05	0	< 1.0	0	7.56**	18.0	0.23
705 (H)	15/10/2024	0.10	0	< 1.0	0	7.89	14.9	0.27
705 (H)	22/10/2024	**0.04**	0	< 1.0	0	7.60	14.2	**1.4**
705 (H)	29/10/2024	**0.01**	0	2.0	0	7.91	14.8	**1.1**
705 (H)	05/11/2024	0.22	0	< 1.0	0	7.48	12.8	0.80
705 (H)	12/11/2024	**0.03**	0	2.0	0	7.75	12.5	0.62

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
705 (H)	19/11/2024	**0.00**	0	< 1.0	0	8.01	11.8	0.55
705 (H)	26/11/2024	0.05	0	< 1.0	0	7.44	10.4	0.52
705 (H)	03/12/2024	0.06	0	1.0	0	7.37	10.0	0.36
705 (H)	10/12/2024	**0.04**	0	< 1.0	0	7.39	9.6	0.44
705 (H)	17/12/2024	0.09	0	< 1.0	0	7.78	9.9	0.40
705 (H)	23/12/2024	0.09	0	< 1.0	0	7.52	8.8	0.24
705 (H)	30/12/2024	0.11	0	< 1.0	0	7.74	10.6	0.40
AD (AWTP) Clear W	02/01/2024	0.90	0	< 1.0	0	7.32**	10.7	0.10
AD (AWTP) Clear W	03/01/2024	0.89				6.94	10.9	
AD (AWTP) Clear W	04/01/2024	0.90				6.96	10.3	
AD (AWTP) Clear W	08/01/2024	0.88				7	10	
AD (AWTP) Clear W	09/01/2024	0.70	0	< 1.0	0	6.72	11.2	0.1
AD (AWTP) Clear W	10/01/2024	0.78	0	< 1.0	0	6.79	10.8	
P (692)	08/01/2025		0	< 1.0	0			0.23
P (692)	22/01/2025		0	1.0	0	7.73		0.41
P (692)	29/01/2025	0.18	0	< 1.0	0	6.86	8.2	0.45
AD (AWTP) Clear W	11/01/2024	0.83				7.21	10.7	
AD (AWTP) Clear W	12/01/2024	0.69				7.26	10.3	
AD (AWTP) Clear W	15/01/2024	**1.23**				6.94	10.3	
AD (AWTP) Clear W	16/01/2024	**1.22**	0	< 1.0	0	7.20	10.1	0.1
AD (AWTP) Clear W	17/01/2024	0.84				7.23	10.5	
AD (AWTP) Clear W	18/01/2024	1.00				7.10	10.6	
AD (AWTP) Clear W	19/01/2024	1.05				7.08	10.5	
AD (AWTP) Clear W	23/01/2024	0.99	0	< 1.0	0	7.01	10.3	0.1
AD (AWTP) Clear W	24/01/2024	1.02				7.21	9.7	0.10
AD (AWTP) Clear W	26/01/2024	0.97				7.15	10.0	
AD (AWTP) Clear W	29/01/2024	0.98				7	10.6	
AD (AWTP) Clear W	30/01/2024	0.83	0	1.0	0	7.02	10.8	0.1
AD (AWTP) Clear W	01/02/2024	1.00				7.1	11.0	
AD (AWTP) Clear W	02/02/2024	1.00				7.09	10.2	
AD (AWTP) Clear W	05/02/2024	0.80				7.08	10.6	
AD (AWTP) Clear W	06/02/2024	0.85	0	< 1.0	0	7.01	9.8	0.1
AD (AWTP) Clear W	08/02/2024	1.00				7.08	11.0	
AD (AWTP) Clear W	09/02/2024	0.76				7.10	10.4	
AD (AWTP) Clear W	12/02/2024	0.82				7.03	9.7	
AD (AWTP) Clear W	13/02/2024	0.94	0	< 1.0	0	7.07	11.0	0.1
AD (AWTP) Clear W	16/02/2024	1.05				7.22	9.7	
AD (AWTP) Clear W	20/02/2024	1.11	0	< 1.0	0	6.94	9.8	0.1
AD (AWTP) Clear W	21/02/2024	1.05				7	9.8	
AD (AWTP) Clear W	22/02/2024	0.97				7.03	10.1	
AD (AWTP) Clear W	23/02/2024	1.10				7.05	9.8	
AD (AWTP) Clear W	27/02/2024	1.06	0	< 1.0	0	7.08	11.0	0.1
AD (AWTP) Clear W	28/02/2024	1.18				7.1	9.6	
AD (AWTP) Clear W	29/02/2024	0.99				6.88	10.9	
AD (AWTP) Clear W	01/03/2024	1.09				6.90	11.0	
AD (AWTP) Clear W	04/03/2024	0.97				6.97	10.7	
AD (AWTP) Clear W	05/03/2024	0.94	0	3.0	0	7.00	9.7	0.11
AD (AWTP) Clear W	06/03/2024	1.12				7.24	11.3	
AD (AWTP) Clear W	07/03/2024	1.14				6.95	11.9	
AD (AWTP) Clear W	08/03/2024	1.06				7.38	11.2	
AD (AWTP) Clear W	11/03/2024	1.13				7.3	12.0	
AD (AWTP) Clear W	12/03/2024	0.92	0	< 1.0	0	7.18	11.4	0.1
AD (AWTP) Clear W	13/03/2024	1.06				7.26	11.6	
AD (AWTP) Clear W	15/03/2024	1.10				7.07	11.3	
AD (AWTP) Clear W	18/03/2024	1.06				7.16	10.8	
AD (AWTP) Clear W	19/03/2024	0.49	0	< 1.0	0		13.3	0.14
AD (AWTP) Clear W	21/03/2024	1.05				6.97	11.0	
AD (AWTP) Clear W	22/03/2024	1.14				7.27	12.3	
AD (AWTP) Clear W	25/03/2024	1.03				7.86	14.3	
AD (AWTP) Clear W	26/03/2024	0.90	0	< 1.0	0		13.9	0.1
AD (AWTP) Clear W	27/03/2024	1.04				7.06	11.9	
AD (AWTP) Clear W	09/04/2024	1.05	0	< 1.0	0		10.3	0.1
AD (AWTP) Clear W	12/04/2024	1.00				7.05	11.9	
AD (AWTP) Clear W	15/04/2024	1.03				7.01	11.2	
AD (AWTP) Clear W	16/04/2024	0.90	0	< 1.0	0		13.0	0.1
AD (AWTP) Clear W	17/04/2024	1.08				7.01	10.2	
AD (AWTP) Clear W	19/04/2024	1.03				7.20	10.4	
AD (AWTP) Clear W	22/04/2024	0.91				7.13	11.0	
AD (AWTP) Clear W	23/04/2024	0.88	0	< 1.0	0		11.5	0.1
AD (AWTP) Clear W	24/04/2024	1.05	0	< 1.0	0	6.95	11.0	
AD (AWTP) Clear W	29/04/2024	1.11				7.15	11.0	
R (691)	08/01/2025		0	< 1.0	0			0.22
R (691)	15/01/2025		0	< 1.0	0	7.36		
R (691)	22/01/2025		0	< 1.0	0	8.03		0.31
R (691)	29/01/2025	0.21	0	< 1.0	0	7.18	7.1	0.21
AD (AWTP) Clear W	30/04/2024	1.07	0	< 1.0	0		10.2	0.1
AD (AWTP) Clear W	01/05/2024	**1.24**				6.75	12	
AD (AWTP) Clear W	02/05/2024	1.10				7.16	12.2	
AD (AWTP) Clear W	07/05/2024	1.18	0	< 1.0	0	7.14	11.8	0.1
AD (AWTP) Clear W	09/05/2024	1.06				6.87	12.0	
AD (AWTP) Clear W	13/05/2024	1.05				7.00	12.0	
AD (AWTP) Clear W	14/05/2024	1.08	0	1.0	0	7.15	12.2	0.10
AD (AWTP) Clear W	15/05/2024	1.03				7.02	12.3	
AD (AWTP) Clear W	21/05/2024	0.99	0	< 1.0	0	7.10	12.1	0.1
AD (AWTP) Clear W	22/05/2024	0.98				7.11	12.1	
AD (AWTP) Clear W	23/05/2024	0.83				7.10	11.8	
AD (AWTP) Clear W	24/05/2024	1.15				7.08	12.0	
AD (AWTP) Clear W	27/05/2024	1.18				7.19	12.0	
AD (AWTP) Clear W	28/05/2024	1.20	0	< 1.0	0		11.2	0.23
AD (AWTP) Clear W	29/05/2024	1.04				7.14	11.0	
AD (AWTP) Clear W	30/05/2024	0.89				7.12	11.4	
AD (AWTP) Clear W	31/05/2024	1.00				7.10	11.2	
AD (AWTP) Clear W	03/06/2024	0.92				7.10	11.7	
AD (AWTP) Clear W	04/06/2024	1.19	0	< 1.0	0	6.88	12.0	0.1
AD (AWTP) Clear W	05/06/2024	1.09				7.02	12.0	
AD (AWTP) Clear W	06/06/2024	1.11				7.10	11.5	

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
AD (AWTP) Clear W	07/06/2024	0.96				6.83	12.3	
AD (AWTP) Clear W	10/06/2024	0.80				6.99	12.1	
AD (AWTP) Clear W	11/06/2024	**1.27**	0	< 1.0	0		10.0	0.1
AD (AWTP) Clear W	12/06/2024	1.07				7.20	12.0	
AD (AWTP) Clear W	13/06/2024	0.94				7.10	12.1	
AD (AWTP) Clear W	14/06/2024	0.91				7.12	11	
AD (AWTP) Clear W	17/06/2024	**1.27**				7.41	11	
AD (AWTP) Clear W	18/06/2024	1.02**	0	< 1.0	0	7.04**	11.0**	0.1
AD (AWTP) Clear W	19/06/2024	1.08				7.12	12	
AD (AWTP) Clear W	20/06/2024	0.82				7.31	11.6	
AD (AWTP) Clear W	21/06/2024	1.17				7.35	11.5	
AD (AWTP) Clear W	24/06/2024	1.06				6.94	11.0	
AD (AWTP) Clear W	25/06/2024	0.95	0	< 1.0	0	7.39	12.1	0.11
AD (AWTP) Clear W	26/06/2024	1.05				7.36	11.7	
AD (AWTP) Clear W	02/07/2024	1.19	0	< 1.0	0	7.41	12.0	0.13
AD (AWTP) Clear W	03/07/2024	**1.23**				7.32	11.6	
AD (AWTP) Clear W	05/07/2024	1.06				7.18	12.4	
AD (AWTP) Clear W	08/07/2024	1.20				7.27	12.5	
AD (AWTP) Clear W	09/07/2024	1.11	0	< 1.0	0	7.23	12.0	0.1
AD (AWTP) Clear W	10/07/2024	1.06				7.26	12.1	
AD (AWTP) Clear W	11/07/2024	1.07				7.00	12.4	
AD (AWTP) Clear W	12/07/2024	0.96				7.05	12.4	
AD (AWTP) Clear W	15/07/2024	1.02				7.27	12.0	
AD (AWTP) Clear W	16/07/2024	1.02	0**	< 1.0	0	7.22	12.3	0.14
AD (AWTP) Clear W	17/07/2024	0.93				7.02	12.2	
AD (AWTP) Clear W	19/07/2024	0.96				7.18	11.9	
AD (AWTP) Clear W	22/07/2024	**1.21**				7.30	12.0	
AD (AWTP) Clear W	23/07/2024	1.02	0	1.0	0	7.13	12.3	0.1
AD (AWTP) Clear W	24/07/2024	1.09				6.95	12.4	
AD (AWTP) Clear W	29/07/2024	1.11				7.13	12.3	
AD (AWTP) Clear W	30/07/2024	**1.30**	0	< 1.0	0		14.6	0.19
AD (AWTP) Clear W	31/07/2024	1.11				7.30	12.4	
466 (O)	08/01/2025	0.6	< 1	< 2	< 1		8.2	
466 (O)	15/01/2025	0.53	< 1	< 2	< 1		8.5	
466 (O)	22/01/2025	0.48	< 1	< 2	< 1		8.1	
466 (O)	29/01/2025		< 1	< 2	< 1		7.1	
AD (AWTP) Clear W	01/08/2024	1.06				7.35	12.3	
AD (AWTP) Clear W	02/08/2024	**1.45**				7.30	12.5	
AD (AWTP) Clear W	06/08/2024	**1.34**	0	< 1.0	0		14.8	0.11
AD (AWTP) Clear W	07/08/2024	1.12				7.17	12.3	
AD (AWTP) Clear W	12/08/2024	**1.38**				7.20	11.9	
AD (AWTP) Clear W	13/08/2024	1.07	0	< 1.0	0	7.03	11.7	0.1
AD (AWTP) Clear W	15/08/2024	1.10				7.14	11.7	
AD (AWTP) Clear W	19/08/2024	0.96				7.14	11.8	
AD (AWTP) Clear W	20/08/2024	1.08	0	< 1.0	0	7.25	12.0	0.17
AD (AWTP) Clear W	21/08/2024	0.89				7.35	12.0	
AD (AWTP) Clear W	22/08/2024	0.94				7.36	12.0	0.1
AD (AWTP) Clear W	23/08/2024	1.02				7.35	12.0	
AD (AWTP) Clear W	26/08/2024	0.89				7.15	12.3	
AD (AWTP) Clear W	27/08/2024	0.62	0	< 1.0	0	7.10	11.8	0.1
AD (AWTP) Clear W	28/08/2024	0.92				7.15	12.0	
AD (AWTP) Clear W	29/08/2024	0.80				7.10	12.3	
AD (AWTP) Clear W	03/09/2024	0.98	0	< 1.0	0	7.10	12.2	0.26
AD (AWTP) Clear W	04/09/2024	0.82				7.14	12.2	
AD (AWTP) Clear W	05/09/2024	0.97				7.19	11.9	
AD (AWTP) Clear W	06/09/2024	1.02				7.27	11.8	
AD (AWTP) Clear W	09/09/2024	0.89				7.14	11.9	
AD (AWTP) Clear W	10/09/2024	0.99	0	< 1.0	0	7.15	12.4	0.1
AD (AWTP) Clear W	12/09/2024	0.95				7.10	12.3	
AD (AWTP) Clear W	13/09/2024	0.86				7.38	12.7	
AD (AWTP) Clear W	16/09/2024	1.12				7.64	12.0	
AD (AWTP) Clear W	17/09/2024	0.91	0	< 1.0	0	7.44	12.0	0.13
AD (AWTP) Clear W	18/09/2024	0.93				7.28	12.1	
AD (AWTP) Clear W	19/09/2024	0.76				7.43	12	
AD (AWTP) Clear W	20/09/2024	0.98				7.22	11.5	
AD (AWTP) Clear W	23/09/2024	0.62				7.20	11.7	
AD (AWTP) Clear W	24/09/2024	0.85	0	< 1.0	0		13.1	0.16
AD (AWTP) Clear W	25/09/2024	1.14				7.00	11.6	
AD (AWTP) Clear W	26/09/2024	1.17				7.16	11.9	
AD (AWTP) Clear W	27/09/2024	0.95				7.50	11.8	
AD (AWTP) Clear W	01/10/2024	0.96	0	< 1.0	0	7.08	11.7	0.12
AD (AWTP) Clear W	02/10/2024	0.76				7.01	11.8	
AD (AWTP) Clear W	03/10/2024	0.57				7.12	11.6	
AD (AWTP) Clear W	04/10/2024	0.98				7.21	12.3	
AD (AWTP) Clear W	07/10/2024	0.96				7.15	12.6	
AD (AWTP) Clear W	08/10/2024	1.06	0	< 1.0	0		15.4	0.11
AD (AWTP) Clear W	10/10/2024	0.96				7.15	11.9	
AD (AWTP) Clear W	11/10/2024	1.13				7.12	11.5	
AD (AWTP) Clear W	15/10/2024	1.00	0	< 1.0	0	7.18	11.6	0.1
AD (AWTP) Clear W	16/10/2024	1.10				7.21	11.6	
AD (AWTP) Clear W	17/10/2024	1.02				7.25	11.5	
AD (AWTP) Clear W	21/10/2024	0.93				7.20	11.8	
AD (AWTP) Clear W	22/10/2024	0.94	0	< 1.0	0	6.61	11.7	0.1
AD (AWTP) Clear W	24/10/2024	0.80				6.85	11.8	
AD (AWTP) Clear W	25/10/2024	0.81				6.88	11.9	
AD (AWTP) Clear W	28/10/2024	1.02				6.94	12.3	
AD (AWTP) Clear W	29/10/2024	1.05	0	1.0	0	6.93	11.9	0.17
AD (AWTP) Clear W	30/10/2024	1.05				6.71	11.6	
AD (AWTP) Clear W	01/11/2024	1.10				6.87	11.6	
463 (M)	08/01/2025	0.93	< 1	< 2	< 1		9.1	
463 (M)	15/01/2025	1.08	< 1	< 2	< 1		8.8	
463 (M)	22/01/2025	0.81	< 1	2	< 1		8	
463 (M)	29/01/2025	**1.47**	< 1	< 2	< 1		7.2	
AD (AWTP) Clear W	04/11/2024	1.00				6.98	11.9	
AD (AWTP) Clear W	05/11/2024	0.98	0	< 1.0	0	6.90	11.8	0.16
AD (AWTP) Clear W	06/11/2024	0.94				6.95	12.0	

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
AD (AWTP) Clear W	08/11/2024	0.91				6.88	11.8	
AD (AWTP) Clear W	12/11/2024	0.94	0	< 1.0	0	6.92	12.3	0.15
AD (AWTP) Clear W	13/11/2024	0.93				6.98	11.9	
AD (AWTP) Clear W	14/11/2024	0.91	0	1.0	0	6.99	11.4	
AD (AWTP) Clear W	18/11/2024	0.94				6.88	11.7	
AD (AWTP) Clear W	19/11/2024	0.89	0	< 1.0	0	6.92	11.8	0.13
AD (AWTP) Clear W	20/11/2024	0.91				6.98	11.9	
AD (AWTP) Clear W	25/11/2024	0.99				6.85	11.3	
AD (AWTP) Clear W	26/11/2024	1.08	0	1.0	0	6.59	11.5	0.12
AD (AWTP) Clear W	27/11/2024	0.70				6.88	12.0	
AD (AWTP) Clear W	28/11/2024	0.96				6.78	11.5	
AD (AWTP) Clear W	29/11/2024	0.99				6.74	11.7	
AD (AWTP) Clear W	02/12/2024	1.03				**6.47**	11.1	
AD (AWTP) Clear W	03/12/2024	0.89	0	< 1.0	0	**6.10**	12.2	0.12
AD (AWTP) Clear W	04/12/2024	1.06				6.66	11.4	
AD (AWTP) Clear W	05/12/2024	1.11				6.78	10.8	
AD (AWTP) Clear W	06/12/2024	0.86				6.87	11.0	
AD (AWTP) Clear W	09/12/2024	1.04				6.77	11.5	
AD (AWTP) Clear W	10/12/2024	0.90	0	< 1.0	0	7.11	11.4	0.11
AD (AWTP) Clear W	16/12/2024	1.07				7.05	11.6	
AD (AWTP) Clear W	17/12/2024	1.07	0	< 1.0	0	7.09	11.4	0.14
AD (AWTP) Clear W	18/12/2024	1.02				7.06	11.3	
AD (AWTP) Clear W	19/12/2024	0.89				6.62	11.3	
AD (AWTP) Clear W	20/12/2024	0.86				7.01	11.6	
AD (AWTP) Clear W	23/12/2024	0.75	0	< 1.0	0		10.8	0.1
AD (AWTP) Clear W	27/12/2024	1.08				7.00	11.5	
AD (AWTP) Clear W	30/12/2024	0.96	0	< 1.0	0	6.96	11.3	0.17
E (693)	02/01/2024	0.55	< 1	< 2	0		8.1	
E (693)	09/01/2024	0.45	< 1	2	0		8.9	
E (693)	16/01/2024	0.48	< 1	< 2	0		8	
E (693)	22/01/2024	0.6	< 1	< 2	0		8.5	
E (693)	23/01/2024	0.5	< 1	< 2	0		9	
E (693)	30/01/2024	0.45	< 1	40	0		7.3	
E (693)	06/02/2024	0.32	< 1	< 2	0		7.2	
E (693)	13/02/2024	0.47	< 1	< 2	0		9.1	
E (693)	20/02/2024	0.05	< 1	6	0		8	
E (693)	27/02/2024	0.42	< 1	< 2	0		7	
E (693)	05/03/2024	0.21	< 1	< 2	0		7.5	
E (693)	12/03/2024	0.07	< 1	4	0		8.5	
E (693)	19/03/2024	0.08	< 1	< 2	0		6	
E (693)	26/03/2024	0.11	< 1	2	0		8.6	
E (693)	02/04/2024	0.25	< 1	4	0		10	
E (693)	09/04/2024	0.05	< 1	6	0		12	
E (693)	16/04/2024	0.11**	< 1	20**	0		8.8**	
E (693)	23/04/2024	0.09	< 1	14	0		11.2	
E (693)	30/04/2024	**0.03**	< 1	6	0		9.8	
E (693)	07/05/2024	0.16	< 1	2	0		11.8	
E (693)	14/05/2024	0.13	< 1	< 2	0		12.2	
684 (N)	08/01/2025	0.19	< 1	**54**	< 1		9.5	0.33
684 (N)	15/01/2025	**0**	< 1	50	**1**		9.5	0.29
684 (N)	17/01/2025		0		0			
684 (N)	22/01/2025	0.08	< 1	8	< 1		8.3	0.26
684 (N)	29/01/2025	0.33	< 1	38	< 1		9.8	0.25
E (693)	21/05/2024	0.62	< 1	< 2	0		14.1	
E (693)	28/05/2024	0.53	< 1	< 2	0		15.8	
E (693)	04/06/2024	0.55	< 1	< 2	0		12.5	
E (693)	11/06/2024	0.67	< 1	2	0		15.4	
E (693)	18/06/2024	0.5	< 1	< 2	0		15.4	
E (693)	25/06/2024	0.58	< 1	< 2	0		12.8	
E (693)	02/07/2024	0.75	< 1	< 2	0		14.9	
E (693)	09/07/2024	0.71	< 1	< 2	0		16.6	
E (693)	16/07/2024	0.06	< 1	< 2	0		17.7	
E (693)	23/07/2024	**0.02**	< 1	16	0		16.2	
E (693)	30/07/2024	0.11	< 1	6	0		14.9	
E (693)	06/08/2024	**0**	< 1	6	0		16.4	
E (693)	13/08/2024	0.25	< 1	4	0		17.1	
E (693)	20/08/2024	0.16	< 1	22	0		18.3	
E (693)	27/08/2024	0.14	< 1	2	0		16.8	
E (693)	03/09/2024	0.19	< 1	4	0		16.7	
E (693)	10/09/2024	0.12	< 1	6	0		19.3	
E (693)	17/09/2024	**0.04**	< 1	**70**	0		17.1	
E (693)	24/09/2024	0.05	< 1	< 2	0		17.1	
E (693)	03/10/2024	0.15	< 1	< 2	0		18.2	
E (693)	08/10/2024	0.78	< 1	< 2	0		15.8	
E (693)	15/10/2024	0.5	< 1	< 2	0		14.9	
E (693)	22/10/2024	0.55	< 1	< 2	0		15	
E (693)	29/10/2024	0.58	< 1	< 2	0		14	
E (693)	05/11/2024	1.1	< 1	< 2	0		14.2	
E (693)	12/11/2024	0.39	< 1	< 2	0		13.6	
E (693)	19/11/2024	1.12	< 1	< 2	0		11.5	
E (693)	26/11/2024	0.37	< 1	< 2	0		11	
E (693)	03/12/2024	0.54	< 1	< 2	0		10.7	
E (693)	10/12/2024	0.63	< 1	2	0		10.4	
E (693)	17/12/2024	0.46	< 1	< 2	0		9.6	
E (693)	24/12/2024	0.58	< 1	NT	0		10.8	
E (693)	31/12/2024	0.78	< 1	NT	0		9.1	
F (690)	02/01/2024	0.11	< 1	< 2	0		9.7	
F (690)	09/01/2024	0.32	< 1	4	0		8.5	
F (690)	16/01/2024	NT	NT	NT	NT		NT	
F (690)	23/01/2024	0.13	< 1	2	0		8	
F (690)	30/01/2024	0.2	< 1	< 2	0		7.6	
F (690)	06/02/2024	0.28	< 1	< 2	0		8.3	
F (690)	13/02/2024	0.1	< 1	< 2	0		8.7	
F (690)	20/02/2024	0.14	< 1	2	0		9	
F (690)	27/02/2024	0.13	< 1	< 2	0		8.2	
F (690)	28/02/2024	NT	NT	NT	NT		NT	

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
F (690)	29/02/2024	NT	NT	NT	NT		NT	
F (690)	05/03/2024	0.16	< 1	< 2	0		8.5	
F (690)	12/03/2024	0.15	< 1	< 2	0		9	
F (690)	19/03/2024	0.15	< 1	< 2	0		7.1	
F (690)	26/03/2024	0.17	< 1	2	0		8.5	
F (690)	02/04/2024	0.15	< 1	< 2	0		10	
F (690)	09/04/2024	0.29	< 1	2	0		12.7	
F (690)	16/04/2024	0.1	< 1	**100**	0		8.2	
F (690)	23/04/2024	0.11	< 1	< 2	0		10.1	
689 (J)	08/01/2025	0.68	< 1	< 2	< 1		7.1	0.41
689 (J)	15/01/2025	1.11	< 1	< 2	< 1		7.9	0.28
689 (J)	22/01/2025	0.69	< 1	< 2	< 1		6.7	0.2
689 (J)	29/01/2025	0.82	< 1	2	< 1		5.7	0.21
F (690)	30/04/2024	0.2	< 1	2	0		10	
F (690)	07/05/2024	0.16	< 1	4	0		10	
F (690)	14/05/2024	0.08	< 1	< 2	0		10.6	
F (690)	21/05/2024	0.23	< 1	< 2	0		12.7	
F (690)	28/05/2024	0.06	< 1	2	0		15	
F (690)	04/06/2024	0.2	< 1	< 2	0		12.5	
F (690)	11/06/2024	0.14	< 1	8	0		13.8	
F (690)	18/06/2024	0.13	< 1	2	0		15	
F (690)	25/06/2024	0.19	< 1	10	0		12.6	
F (690)	02/07/2024	0.27	< 1	< 2	0		13.7	
F (690)	09/07/2024	0.14	< 1	< 2	0		16.6	
F (690)	16/07/2024	**0.04**	< 1	< 2	0		17.5	
F (690)	23/07/2024	0.09	< 1	4	0		15.9	
F (690)	30/07/2024	0.23	< 1	< 2	0		12.8	
F (690)	06/08/2024	0.19	< 1	< 2	0		14.7	
F (690)	13/08/2024	0.22	< 1	2	0		16	
F (690)	20/08/2024	0.21	< 1	**60**	0		16.2	
F (690)	27/08/2024	0.21	< 1	2	0		14.7	
F (690)	03/09/2024	0.07	< 1	< 2	0		15.7	
F (690)	10/09/2024	0.22	< 1	< 2	0		18.2	
F (690)	17/09/2024	**0.03**	< 1	10	0		15.9	
F (690)	24/09/2024	0.15	< 1	4	0		18.4	
F (690)	03/10/2024	0.11	< 1	4	0		17.6	
F (690)	08/10/2024	0.09	< 1	8	0		14.6	
F (690)	15/10/2024	0.12	< 1	10	0		14.5	
F (690)	22/10/2024	0.05	< 1	28	0		15	
F (690)	29/10/2024	0.17	< 1	2	0		14.2	
F (690)	05/11/2024	0.08	< 1	2	0		12.9	
F (690)	12/11/2024	0.14	< 1	< 2	0		13.4	
F (690)	19/11/2024	0.07	< 1	< 2	0		11	
F (690)	26/11/2024	0.08	< 1	< 2	0		11	
F (690)	03/12/2024	0.12	< 1	2	0		12.2	
F (690)	10/12/2024	0.07	< 1	8	0		9.6	
F (690)	17/12/2024	0.09	< 1	2	0		10.5	
F (690)	24/12/2024	0.23	< 1	NT	0		10.5	
F (690)	31/12/2024	0.21	< 1	NT	0		9.3	
G	02/01/2024	0.59	0	< 1.0	0	7.48**	10.2	0.18
G	09/01/2024	0.51	0	< 1.0	0	7.43	10.8	0.19
G	23/01/2024	0.66	0	< 1.0	0	7.38**	8.4	0.20
G	30/01/2024	0.61	0	< 1.0	0	7.34**	9.6	0.15
G	06/02/2024	0.40	0	< 1.0	0	7.37**	11.0	0.22
G	13/02/2024	0.62	0	< 1.0	0	7.43**	11.8	0.13
G	20/02/2024	0.64	0	< 1.0	0	7.69**	9.7	0.15
G	27/02/2024	0.65	0	< 1.0	0	7.58**	10.0	0.11
G	05/03/2024	0.76	0	< 1.0	0	7.52**	9.8	0.39
G	12/03/2024	0.80	0	< 1.0	0	7.28**	10.6	0.13
G	19/03/2024	0.80	0	< 1.0	0	7.28**	13.5	0.14
G	26/03/2024	0.52	0	< 1.0	0	7.57**	10.8	0.18
G	02/04/2024	0.67	0	< 1.0	0	7.48**	12.1	0.17
G	09/04/2024	0.45	0	< 1.0	0	7.34**	12.3	0.15
G	16/04/2024	0.55	0	< 1.0	0	7.36**	12.5	0.18
G	23/04/2024	0.71	0	< 1.0	0	7.31**	11.7	0.14
G	30/04/2024	0.82	0	< 1.0	0	7.06**	10.6	0.1
696 (K)	08/01/2025	0.68	< 1	< 2	< 1		7.5	0.36
696 (K)	15/01/2025	0.66	< 1	< 2	< 1		7.8	0.39
696 (K)	22/01/2025	0.43	< 1	< 2	< 1		7.1	0.19
696 (K)	29/01/2025	0.41	< 1	< 2	< 1		5.7	0.23
G	07/05/2024	0.96	0	< 1.0	0	7.26**	11.7	0.13
G	14/05/2024	0.97	0	< 1.0	0	7.18**	14.1	0.25
G	21/05/2024	0.87	0	< 1.0	0	7.31**	12.6	0.20
G	28/05/2024	0.89	0	< 1.0	0	7.47**	12.4	0.20
G	04/06/2024	0.85	0	< 1.0	0	7.26**	15.4	0.15
G	11/06/2024	0.78	0	< 1.0	0	7.46**	12.8	0.16
G	18/06/2024	0.77	0	< 1.0	0	7.42**	12.8	0.16
G	25/06/2024	0.81	0	1.0	0	7.43**	13.2	0.16
G	02/07/2024	0.68	0	< 1.0	0	7.52**	13.1	0.14
G	09/07/2024	0.66	0	< 1.0	0	7.64**	14.1	0.15
G	16/07/2024	0.65	0	< 1.0	0	7.16**	14.9	0.13
G	23/07/2024	0.56	0	< 1.0	0	7.11**	17.8	0.14
G	30/07/2024	0.90	0	1.0	0	7.24**	17.0	0.14
G	06/08/2024	0.73	0	< 1.0	0	7.06**	18.4	0.13
G	13/08/2024	0.62	0	< 1.0	0	7.54**	17.4	0.12
G	20/08/2024	0.55	0	< 1.0	0	7.57**	17.3	0.16
G	27/08/2024	0.51	0	1.0	0	7.24**	18.5	0.12
G	03/09/2024	0.43	0	< 1.0	0	7.46**	17.3	0.15
G	10/09/2024	0.41	0	< 1.0	0	7.38**	17.0	0.15
G	17/09/2024	0.48	0	< 1.0	0	7.42**	18.9	0.18
G	24/09/2024	0.54	0	< 1.0	0	7.31**	16.8	0.13
G	01/10/2024	0.60	0	< 1.0	0	7.50**	15.6	0.12
G	08/10/2024	0.62	0	< 1.0	0	7.19**	18.1	0.17
G	15/10/2024	0.76	0	< 1.0	0	7.25	14.7	0.16
G	22/10/2024	0.54	0	< 1.0	0	7.44	14.8	0.16
G	29/10/2024	0.40	0	< 1.0	0	7.04	13.4	0.27

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
G	05/11/2024	0.63	0	< 1.0	0	6.93	13.6	0.23
G	12/11/2024	0.46	0	1.0	0	6.95	13.5	0.26
G	19/11/2024	0.48	0	< 1.0	0	7.08	12.9	0.21
G	26/11/2024	0.50	0	< 1.0	0	7.65	11.9	0.21
G	03/12/2024	0.48	0	< 1.0	0	7.46	11.4	0.19
G	10/12/2024	0.50	0	1.0	0	7.65	10.7	0.15
G	17/12/2024	0.43	0	< 1.0	0	7.36	11.0	0.20
G	23/12/2024	0.54	0	< 1.0	0	7.41	9.8	0.20
G	30/12/2024	0.30	0	< 1.0	0	7.08	12.2	0.25
P (692)	02/01/2024	0.2	< 1	< 2	0		9	
P (692)	09/01/2024	0.19	< 1	< 2	0		8.6	
P (692)	16/01/2024	0.4	< 1	< 2	0		7.2	
P (692)	23/01/2024	0.15	< 1	< 2	0		9.5	
P (692)	30/01/2024	0.24	< 1	< 2	0		7.7	
P (692)	06/02/2024	0.23	< 1	< 2	0		8.5	
P (692)	13/02/2024	0.14	< 1	2	0		9	
P (692)	20/02/2024	0.07	< 1	< 2	0		8	
P (692)	27/02/2024	0.17	< 1	2	**1**		7.8	
P (692)	28/02/2024	**0.047**	< 1	< 2	0		9.6	
P (692)	29/02/2024	0.16	< 1	< 2	0		7.8	
P (692)	05/03/2024	0.12	< 1	< 2	0		7.7	
P (692)	12/03/2024	0.16	< 1	< 2	0		9	
P (692)	19/03/2024	0.13	< 1	< 2	0		6.1	
P (692)	26/03/2024	0.14	< 1	< 2	0		8.3	
P (692)	02/04/2024	0.08	< 1	< 2	0		10.4	
P (692)	09/04/2024	0.24	< 1	< 2	0		11.2	
P (692)	16/04/2024	0.16	< 1	< 2	0		7.9	
P (692)	23/04/2024	0.1	< 1	< 2	0		9.8	
P (692)	30/04/2024	0.19	< 1	< 2	0		9.9	
P (692)	07/05/2024	0.15	< 1	< 2	0		10.5	
P (692)	14/05/2024	0.14	< 1	< 2	0		10.8	
P (692)	21/05/2024	0.12	< 1	< 2	0		13.5	
P (692)	28/05/2024	0.05	< 1	< 2	0		15.2	
P (692)	04/06/2024	0.1	< 1	< 2	0		13	
P (692)	11/06/2024	0.15	< 1	< 2	0		13.6	
P (692)	18/06/2024	0.22	< 1	< 2	0		14.6	
P (692)	25/06/2024	0.12	< 1	2	0		11.8	
P (692)	02/07/2024	0.16	< 1	< 2	0		13.3	
P (692)	09/07/2024	0.09	< 1	< 2	0		16.5	
P (692)	16/07/2024	**0.02**	< 1	< 2	0		17.5	
P (692)	23/07/2024	0.05	< 1	< 2	0		16.9	
P (692)	30/07/2024	0.16	< 1	4	0		13.1	
P (692)	06/08/2024	0.07	< 1	2	0		14.9	
P (692)	13/08/2024	0.08	< 1	2	0		16.5	
P (692)	20/08/2024	0.28	< 1	< 2	0		16.1	
P (692)	27/08/2024	0.08	< 1	< 2	0		14.7	
P (692)	03/09/2024	0.17	< 1	< 2	0		15.9	
P (692)	10/09/2024	0.14	< 1	6	0		19.3	
P (692)	17/09/2024	0.09	< 1	2	0		15.5	
P (692)	24/09/2024	0.1	< 1	< 2	0		18.5	
P (692)	03/10/2024	0.1	< 1	< 2	0		18.2	
P (692)	08/10/2024	0.05	< 1	10	0		14.6	
P (692)	15/10/2024	0.07	< 1	< 2	0		14.3	
P (692)	22/10/2024	0.07	< 1	12	0		15	
P (692)	29/10/2024	0.27	< 1	< 2	0		14	
P (692)	05/11/2024	0.23	< 1	< 2	0		12.9	
P (692)	12/11/2024	0.13	< 1	< 2	0		13.1	
P (692)	19/11/2024	0.1	< 1	4	0		11.8	
P (692)	26/11/2024	0.13	< 1	6	0		11	
P (692)	03/12/2024	0.13	< 1	< 2	0		11.9	
P (692)	10/12/2024	0.06	< 1	< 2	0		10.2	
P (692)	17/12/2024	0.11	< 1	8	0		9.6	
P (692)	24/12/2024	0.33	< 1	NT	0		9.4	
P (692)	31/12/2024	0.26	< 1	NT	0		9	
R (691)	02/01/2024	**0.04**	< 1	< 2	0		9.2	
R (691)	09/01/2024	0.26	< 1	4	0		8.5	
R (691)	16/01/2024	0.25	< 1	6	0		7.1	
R (691)	23/01/2024	0.15	< 1	4	0		9	
R (691)	30/01/2024	0.09	< 1	< 2	0		7	
R (691)	06/02/2024	0.29	< 1	< 2	0		8.4	
R (691)	13/02/2024	0.18	< 1	2	0		8.5	
R (691)	20/02/2024	0.1	< 1	2	0		8	
R (691)	27/02/2024	0.09	< 1	< 2	0		7.9	
R (691)	28/02/2024	NT	NT	NT	NT		NT	
R (691)	29/02/2024	NT	NT	NT	NT		NT	
R (691)	05/03/2024	0.16	< 1	4	0		7.7	
R (691)	12/03/2024	0.15	< 1	< 2	0		9	
R (691)	19/03/2024	0.13	< 1	< 2	0		6.2	
R (691)	26/03/2024	0.15	< 1	< 2	0		8.7	
R (691)	02/04/2024	0.16	< 1	< 2	0		10.2	
R (691)	09/04/2024	0.22	< 1	< 2	0		11.2	
R (691)	16/04/2024	0.05	< 1	< 2	0		8	
R (691)	23/04/2024	0.07	< 1	2	0		10	
R (691)	30/04/2024	0.13	< 1	< 2	0		9.7	
R (691)	07/05/2024	0.2	< 1	< 2	0		9.7	
R (691)	14/05/2024	0.08	< 1	< 2	0		11.3	
R (691)	21/05/2024	**0**	< 1	2	0		13.2	
R (691)	28/05/2024	0.06	< 1	2	0		12.5	
R (691)	04/06/2024	0.17	< 1	< 2	0		13	
R (691)	11/06/2024	**0.01**	< 1	< 2	0		14	
R (691)	18/06/2024	0.15	< 1	< 2	0		14.8	
R (691)	25/06/2024	0.05	< 1	2	0		12.8	
R (691)	02/07/2024	0.05	< 1	< 2	0		13.7	
R (691)	09/07/2024	0.11	< 1	4	0		16.1	
R (691)	16/07/2024	**0.02**	< 1	2	0		17.5	
R (691)	23/07/2024	0.07	< 1	< 2	0		15.2	

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
R (691)	30/07/2024	0.22	< 1	< 2	0		13.1	
R (691)	06/08/2024	0.1	< 1	< 2	0		14.9	
R (691)	13/08/2024	0.1	< 1	4	0		16.3	
R (691)	20/08/2024	0.14	< 1	< 2	0		16.4	
R (691)	27/08/2024	0.06	< 1	4	0		14.8	
R (691)	03/09/2024	**0.01**	< 1	2	0		16.1	
R (691)	10/09/2024	0.23	< 1	< 2	0		17.6	
R (691)	17/09/2024	0.06	< 1	4	0		15.6	
R (691)	24/09/2024	0.09	< 1	2	0		17.7	
R (691)	03/10/2024	0.11	< 1	< 2	0		17.4	
R (691)	08/10/2024	0.1	< 1	< 2	0		14.4	
R (691)	15/10/2024	0.06	< 1	6	0		14.2	
R (691)	22/10/2024	0.05	< 1	10	0		15.2	
R (691)	29/10/2024	0.26	< 1	6	0		14	
R (691)	05/11/2024	0.11	< 1	< 2	0		13.4	
R (691)	12/11/2024	0.15	< 1	< 2	0		13.4	
R (691)	19/11/2024	0.08	< 1	< 2	0		12	
R (691)	26/11/2024	0.09	< 1	< 2	0		11	
R (691)	03/12/2024	0.1	< 1	2	0		11.1	
R (691)	10/12/2024	0.06	< 1	< 2	0		10.2	
R (691)	17/12/2024	**0.04**	< 1	< 2	0		9.2	
R (691)	24/12/2024	0.17	< 1	NT	0		10.1	
R (691)	31/12/2024	0.19	< 1	NT	0		8.8	
S	02/01/2024	0.10	0	< 1.0	0	7.69**	10.3	0.40
S	09/01/2024	0.12	0	< 1.0	0	7.80	10.5	0.54
S	16/01/2024	0.13	0	< 1.0	0	8.00**	10.2	0.40
S	23/01/2024	0.14	0	< 1.0	0	7.87**	8.8	0.44
S	30/01/2024	0.05	0	< 1.0	0	7.97**	9.6	0.41
S	06/02/2024	0.05	0	< 1.0	0	8.06**	10.8	0.20
S	13/02/2024	0.12	0	< 1.0	0	8.04**	11.8	0.36
S	20/02/2024	0.18	0	< 1.0	0	7.80**	10.0	0.38
S	27/02/2024	0.20	0	< 1.0	0	7.86**	9.8	0.28
S	05/03/2024	0.20	0	< 1.0	0	7.80**	10.8	0.39
S	12/03/2024	0.23	0	< 1.0	0	7.80**	11.9	0.40
S	19/03/2024	0.14	0	< 1.0	0	7.85**	9.8	0.59
S	26/03/2024	0.05	0	< 1.0	0	7.86**	10.9	0.46
S	02/04/2024	0.15	0	< 1.0	0	7.93**	11.8	0.34
S	09/04/2024	0.20	0	< 1.0	0	7.84**	13.0	0.42
S	16/04/2024	0.18	0	< 1.0	0	7.94**	13.0	0.40
S	23/04/2024	0.18	0	< 1.0	0	7.96**	12.3	0.43
S	30/04/2024	0.13	0	< 1.0	0	7.79**	10.8	0.41
S	07/05/2024	0.10	0	< 1.0	0	7.76**	11.1	0.47
S	14/05/2024	0.42	0	< 1.0	0	7.94**	13.3	0.51
S	21/05/2024	0.24	0	< 1.0	0	7.89**	10.9	0.46
S	28/05/2024	0.29	0	< 1.0	0	8.12**	12.4	0.50
S	04/06/2024	0.34	0	1.0	0	7.76**	14.9	0.46
S	11/06/2024	0.27	0	< 1.0	0	7.98**	11.8	0.43
S	18/06/2024	0.11	0	1.0	0	8.06**	12.0	0.47
S	25/06/2024	0.23	0	< 1.0	0	7.79**	12.1	0.45
S	02/07/2024	0.19	0	< 1.0	0	7.93**	12.6	0.50
S	09/07/2024	0.11	0	< 1.0	0	8.07**	13.4	0.47
S	16/07/2024	0.24	0	< 1.0	0	7.92**	13.7	0.55
S	23/07/2024	0.21	0	< 1.0	0	7.78**	15.8	0.51
S	30/07/2024	0.29	0	< 1.0	0	7.82**	15.9	0.51
S	06/08/2024	0.93	0	< 1.0	0	7.66**	15.8	**2.4**
S	13/08/2024	0.20	0	< 1.0	0	7.93**	14.5	0.46
S	20/08/2024	0.12	0	< 1.0	0	7.82**	16.0	0.60
S	27/08/2024	0.12	0	< 1.0	0	7.88**	17.0	0.46
S	03/09/2024	0.17	0	< 1.0	0	7.91**	15.4	0.65
S	10/09/2024	0.10	0	< 1.0	0	7.86**	15.4	0.43
S	17/09/2024	0.16	0	< 1.0	0	7.84**	17.9	0.47
S	24/09/2024	0.08	0	< 1.0	0	8.02**	16.0	0.41
S	01/10/2024	0.05	0	< 1.0	0	8.04**	14.7	0.43
S	08/10/2024	0.07	0	< 1.0	0	7.81**	17.1	0.44
S	15/10/2024	0.07	0	< 1.0	0	7.48	14.1	0.40
S	22/10/2024	0.26	0	< 1.0	0	7.59	14.1	0.44
S	29/10/2024	0.19	0	< 1.0	0	7.46	13.8	0.45
S	05/11/2024	0.25	0	9.0	0	7.57	13.6	0.82
S	12/11/2024	0.27	0	1.0	0	7.59	12.8	0.45
S	19/11/2024	0.18	0	< 1.0	0	7.51	12.4	0.55
S	26/11/2024	0.17	0	< 1.0	0	7.62	11.8	0.42
S	03/12/2024	0.18	0	< 1.0	0	7.60	11.8	0.41
S	10/12/2024	0.29	0	< 1.0	0	7.64	10.7	0.47
S	17/12/2024	0.18	0	< 1.0	0	7.73	11.5	0.50
S	23/12/2024	0.08	0	< 1.0	0	7.61	9.7	0.43
AD (AWTP) Clear W	02/01/2025	1.04				6.98	11.5	
AD (AWTP) Clear W	03/01/2025	1.00				7.09	11.3	
AD (AWTP) Clear W	07/01/2025	0.98				7.14	11.3	
AD (AWTP) Clear W	08/01/2025	0.82	0	< 1.0	0	6.60	11.3	< 0.10
AD (AWTP) Clear W	10/01/2025	0.67				6.96	11.5	
AD (AWTP) Clear W	13/01/2025	0.95				6.53	11.6	
AD (AWTP) Clear W	14/01/2025	0.84	0	< 1.0	0	6.90	11.6	0.16
AD (AWTP) Clear W	15/01/2025	0.93	0	< 1.0	**1.0**		11.1	< 0.10
AD (AWTP) Clear W	16/01/2025	1.03				6.80	11.4	
AD (AWTP) Clear W	20/01/2025	0.96				**6.30**	11.2	
AD (AWTP) Clear W	22/01/2025	**1.27**	0	< 1.0	0	6.82	12	0.18
AD (AWTP) Clear W	23/01/2025	**1.41**				**6.45**	10.8	
AD (AWTP) Clear W	27/01/2025	0.92				6.59	11.4	
AD (AWTP) Clear W	29/01/2025	0.90	0	< 1.0	0		10.3	< 0.10
AD (AWTP) Clear W	30/01/2025	1.01				7.23	10.9	
AD (AWTP) Clear W	31/01/2025	0.96				7.10	10.8	
S	30/12/2024	0.29	0	< 1.0	0	7.81	10.2	0.51
Y	02/01/2024	0.66	0	< 1.0	0	7.56**	10.0	0.13
Y	09/01/2024	0.26	0	1.0	0	7.45	9.7	0.23
Y	23/01/2024	0.83	0	< 1.0	0	7.49**	8.7	0.1
Y	30/01/2024	0.72	0	1.0	0	7.38**	11.3	0.11

Sampling Point	Collection Date	Chlorine (mg/L)	E. Coli (CFU/100ml)	Heterotrophic Plate Count / HPC (CFU/ml)	Total Coliforms (CFU/100ml)	pH	Temperature (ºC)	Turbidity (NTU)
Y	06/02/2024	0.41	0	< 1.0	0	7.30**	10.5	0.25
Y	13/02/2024	0.64	0	< 1.0	0	7.40**	10.9	0.11
Y	20/02/2024	0.17	0	< 1.0	0	7.60**	9.8	0.22
Y	27/02/2024	0.89	0	< 1.0	0	7.46**	11.4	0.1
Y	05/03/2024	0.37	0	1.0	0	7.36**	9.5	0.21
Y	12/03/2024	0.35	0	< 1.0	0	7.26**	11.7	0.16
Y	19/03/2024	0.52	0	< 1.0	0	7.42**	12.9	0.31
Y	26/03/2024	0.38	0	< 1.0	0	7.42**	10.4	0.23
Y	02/04/2024	0.81	0	< 1.0	0	7.50**	11.9	0.1
Y	09/04/2024	0.17	0	< 1.0	0	7.81**	10.3	0.26
Y	16/04/2024	0.91	0	< 1.0	0	7.26**	13.5	0.1
Y	23/04/2024	0.93	0	< 1.0	0	7.46**	12.7	0.13
Y	30/04/2024	0.83	0	< 1.0	0	7.10**	10.1	0.1
Y	07/05/2024	0.74	0	< 1.0	0	7.30**	11.6	0.11
Y	14/05/2024	0.84	0	< 1.0	0	7.10**	14.0	0.17
Y	21/05/2024	0.99	0	< 1.0	0	7.18**	11.2	0.11
Y	28/05/2024	0.92	0	< 1.0	0	7.70**	12.1	0.12
Y	04/06/2024	0.82	0	< 1.0	0	7.12**	14.8	**8.5**
Y	11/06/2024	0.57	0	< 1.0	0	7.39**	11.7	0.12
Y	18/06/2024	0.95	0	< 1.0	0	7.65**	11.8	0.13
Y	25/06/2024	0.57	0	< 1.0	0	7.58**	13.5	0.16
Y	02/07/2024	0.41	0	< 1.0	0	7.56**	12.8	0.14
Y	09/07/2024	0.59	0	< 1.0	0	7.56**	12.7	0.13
Y	16/07/2024	0.76	0	< 1.0	0	7.36**	14.2	0.11
Y	23/07/2024	0.71	0	< 1.0	0	7.21**	16.1	0.16
Y	30/07/2024	0.67	0	< 1.0	0	7.34**	16.1	0.13
Y	06/08/2024	0.73	0	< 1.0	0	7.26**	17.6	0.1
Y	13/08/2024	0.77	0	< 1.0	0	7.52**	15.8	0.1
Y	20/08/2024	0.64	0	< 1.0	0	7.46**	15.3	0.12
Y	27/08/2024	0.37	0	< 1.0	0	7.32**	16.7	0.11
Y	03/09/2024	0.72	0	< 1.0	0	7.50**	15.6	0.13
Y	10/09/2024	0.77	0	< 1.0	0	7.34**	15.5	0.45
Y	17/09/2024	0.49	0	< 1.0	0	7.40**	17.4	0.10
Y	24/09/2024	0.73	0	< 1.0	0	7.35**	15.5	0.12
Y	01/10/2024	0.28	0	< 1.0	0	7.45**	14.5	0.15
Y	08/10/2024	0.73	0	< 1.0	0	7.16**	17.0	0.10
Y	15/10/2024	0.72	0	< 1.0	0	7.19	13.9	0.13
Y	22/10/2024	0.77	0	< 1.0	0	7.23	13.8	0.11
Y	29/10/2024	0.58	0	< 1.0	0	7.18	13.2	0.22
Y	05/11/2024	0.69	0	1.0	0	7.11	13.7	0.18
Y	12/11/2024	0.26	0	< 1.0	0	7.31	12.8	0.35
Y	19/11/2024	0.34	0	< 1.0	0	7.07	13.1	0.34
Y	26/11/2024	0.79	0	< 1.0	0	7.3	11.6	0.1
Y	03/12/2024	0.27	0	< 1.0	0	7.48	11.0	0.26
Y	10/12/2024	0.74	0	< 1.0	0	7.19	10.6	0.11
Y	17/12/2024	0.39	0	< 1.0	0	7.56	12.3	0.24
Y	23/12/2024	0.73	0	< 1.0	0	7.18	10.5	0.13
Y	30/12/2024	0.75	0	< 1.0	0	7.30	11.3	0.23
468 (X)	08/01/2025	0.59	< 1	< 2	< 1		8.1	
468 (X)	15/01/2025	0.53	< 1	< 2	< 1		8.3	
468 (X)	22/01/2025	0.66	< 1	< 2	< 1		9.5	
468 (X)	29/01/2025	0.9	< 1	24	< 1		7.2	

Sampling Point	Collection Date	1,1,1-Trichloroeathane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloro-1,2,2-trifluroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethylene ug/L	1,2,3-Trichlorobenzene ug/L	1,2,4-Trichlorobenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	1,3,5-Trimethylbenzene ug/L	1,3-Butadiene ug/L	1,3-Dichlorobenzene ug/L	1,3-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	1-Methylnaphthalene mg/L	2,3,4,5-Tetrachlorophenol ug/L	2,3,4,6-Tetrachlorophenol ug/L	2,3,4-Trichlorophenol ug/L	2,3,5,6-Tetrachlorophenol ug/L	2,3,5-Trichlorophenol ug/L	2,3,6-Trichlorophenol ug/L	2,3-Dichlorophenol ug/L	2,4 + 2,5-Dichlorophenol ug/L
Acadia #1 well	01/10/2024																										
Acadia #1 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acadia #1 well	02/07/2024																										
Acadia #1 well	04/24/2024																										
Acadia #1 well	07/16/2024																										
Acadia #1 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acadia #1 well	11/14/2024																										
Acadia #1 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Acadia #2 well	01/10/2024																										
Acadia #2 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acadia #2 well	04/24/2024																										
Acadia #2 well	07/16/2024																										
Acadia #2 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acadia #2 well	11/14/2024																										
Acadia #2 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Aldergrove #10 well	01/03/2024																										
Aldergrove #10 well	01/10/2024																										
Aldergrove #10 well	01/15/2024																										
Aldergrove #10 well	01/23/2024																										
Aldergrove #10 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #10 well	02/12/2024																										
Aldergrove #10 well	02/20/2024																										
Aldergrove #10 well	03/04/2024																										
Aldergrove #10 well	03/11/2024																										
Aldergrove #10 well	03/18/2024																										
Aldergrove #10 well	04/15/2024																										
Aldergrove #10 well	04/24/2024																										

Sampling Point	Collection Date	1,1,1-Trichloroeathane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloro-1,2,2-trifluroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethylene ug/L	1,2,3-Trichlorobenzene ug/L	1,2,4-Trichlorobenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	1,3,5-Trimethylbenzene ug/L	1,3-Butadiene ug/L	1,3-Dichlorobenzene ug/L	1,3-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	1-Methylnaphthalene mg/L	2,3,4,5-Tetrachlorophenol ug/L	2,3,4,6-Tetrachlorophenol ug/L	2,3,4-Trichlorophenol ug/L	2,3,5,6-Tetrachlorophenol ug/L	2,3,5-Trichlorophenol ug/L	2,3,6-Trichlorophenol ug/L	2,3-Dichlorophenol ug/L	2,4 + 2,5-Dichlorophenol ug/L
Aldergrove #10 well	06/24/2024																										
Aldergrove #10 well	07/16/2024																										
Aldergrove #10 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #10 well	10/01/2024																										
Aldergrove #10 well	11/04/2024																										
Aldergrove #10 well	11/14/2024																										
Aldergrove #10 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Aldergrove #4 well	01/10/2024																										
Aldergrove #4 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #4 well	04/24/2024																										
Aldergrove #4 well	07/16/2024																										
Aldergrove #4 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #4 well	11/14/2024																										
Aldergrove #4 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Aldergrove #6 well	01/10/2024																										
Aldergrove #6 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #6 well	04/24/2024																										
Aldergrove #6 well	07/16/2024																										
Aldergrove #6 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #6 well	11/14/2024																										
Aldergrove #6 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Aldergrove #7 well	01/10/2024																										
Aldergrove #7 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #7 well	04/24/2024																										
Aldergrove #7 well	07/16/2024																										
Aldergrove #7 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #7 well	11/14/2024																										

Sampling Point	Collection Date	1,1,1-Trichloroeathane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane ug/L	1,1,2-Trichloro-1,2,2-trifluroethane ug/L	1,1-Dichloroethane ug/L	1,1-Dichloroethylene ug/L	1,2,3-Trichlorobenzene ug/L	1,2,4-Trichlorobenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloroethane ug/L	1,2-Dichloropropane ug/L	1,3,5-Trimethylbenzene ug/L	1,3-Butadiene ug/L	1,3-Dichlorobenzene ug/L	1,3-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	1-Methylnaphthalene mg/L	2,3,4,5-Tetrachlorophenol ug/L	2,3,4,6-Tetrachlorophenol ug/L	2,3,4-Trichlorophenol ug/L	2,3,5,6-Tetrachlorophenol ug/L	2,3,5-Trichlorophenol ug/L	2,3,6-Trichlorophenol ug/L	2,3-Dichlorophenol ug/L	2,4 + 2,5-Dichlorophenol ug/L
Aldergrove #7 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Aldergrove #8 well	01/10/2024																										
Aldergrove #8 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #8 well	04/24/2024																										
Aldergrove #8 well	07/16/2024																										
Aldergrove #8 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #8 well	11/14/2024																										
Aldergrove #8 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
Aldergrove #9 well	01/10/2024																										
Aldergrove #9 well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #9 well	04/24/2024																										
Aldergrove #9 well	07/16/2024																										
Aldergrove #9 well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aldergrove #9 well	11/14/2024																										
Aldergrove #9 well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								
AD (AWTP) Clear Well	01/24/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
AD (AWTP) Clear Well	08/22/2024	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
AD (AWTP) Clear Well	01/14/2025	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 2.0	< 2.0	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 1.0	< 0.50	< 0.000050								

Sampling Point	Collection Date	2,4,5-Trichlorophenol ug/L	2,4,6-Trichlorophenol ug/L	2,4'-DDD (o,p-DDD) ug/L	2,4'-DDE (o,p-DDE) ug/L	2,4-Dimethylphenol ug/L	2,4-Dinitrophenol ug/L	2,6-Dichlorophenol ug/L	2,6-Dimethylphenol ug/L	2-Chlorophenol ug/L	2-hydroxyphenol (Catechol) ug/L	2-Methylnaphthalene ug/L	2-Methylphenol ug/L	2-Nitrophenol ug/L	3 and 4-Chlorophenol ug/L	3,4,5-Trichlorophenol ug/L	3,4-Dichlorophenol ug/L	3,4-Dimethylphenol ug/L	3,4-Methylphenol ug/L	3,5-Dichlorophenol ug/L	4,4'-DDE (pp-DDE) ug/L	4,4'-DDT (pp-DDT) ug/L	4,6-Dinitro-o-cresol ug/L	4-Chloro-3-methylphenol (Parachlorometa cresol) ug/L	4-Nitrophenol ug/L	Total Chlordane ug/L
Acadia #1 well	01/10/2024																									
Acadia #1 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Acadia #1 well	02/07/2024																									
Acadia #1 well	04/24/2024																									
Acadia #1 well	07/16/2024																									
Acadia #1 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Acadia #1 well	11/14/2024																									
Acadia #1 well	01/14/2025												< 0.10													
Acadia #2 well	01/10/2024																									
Acadia #2 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Acadia #2 well	04/24/2024																									
Acadia #2 well	07/16/2024																									
Acadia #2 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Acadia #2 well	11/14/2024																									
Acadia #2 well	01/14/2025												< 0.10													
Aldergrove #10 well	01/03/2024																									
Aldergrove #10 well	01/10/2024																									
Aldergrove #10 well	01/15/2024																									
Aldergrove #10 well	01/23/2024																									
Aldergrove #10 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Aldergrove #10 well	02/12/2024																									
Aldergrove #10 well	02/20/2024																									
Aldergrove #10 well	03/04/2024																									
Aldergrove #10 well	03/11/2024																									
Aldergrove #10 well	03/18/2024																									
Aldergrove #10 well	04/15/2024																									
Aldergrove #10 well	04/24/2024																									

Sampling Point	Collection Date	2,4,5-Trichlorophenol ug/L	2,4,6-Trichlorophenol ug/L	2,4'-DDD (o,p-DDD) ug/L	2,4'-DDE (o,p-DDE) ug/L	2,4-Dimethylphenol ug/L	2,4-Dinitrophenol ug/L	2,6-Dichlorophenol ug/L	2,6-Dimethylphenol ug/L	2-Chlorophenol ug/L	2-hydroxyphenol (Catechol) ug/L	2-Methylnaphthalene ug/L	2-Methylphenol ug/L	2-Nitrophenol ug/L	3 and 4-Chlorophenol ug/L	3,4,5-Trichlorophenol ug/L	3,4-Dichlorophenol ug/L	3,4-Dimethylphenol ug/L	3,4-Methylphenol ug/L	3,5-Dichlorophenol ug/L	4,4'-DDE (pp-DDE) ug/L	4,4'-DDT (pp-DDT) ug/L	4,6-Dinitro-o-cresol ug/L	4-Chloro-3-methylphenol (Parachlorometa cresol) ug/L	4-Nitrophenol ug/L	Total Chlordane ug/L
Aldergrove #10 well	06/24/2024																									
Aldergrove #10 well	07/16/2024																									
Aldergrove #10 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Aldergrove #10 well	10/01/2024																									
Aldergrove #10 well	11/04/2024																									
Aldergrove #10 well	11/14/2024																									
Aldergrove #10 well	01/14/2025											< 0.10														
Aldergrove #4 well	01/10/2024																									
Aldergrove #4 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Aldergrove #4 well	04/24/2024																									
Aldergrove #4 well	07/16/2024																									
Aldergrove #4 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Aldergrove #4 well	11/14/2024																									
Aldergrove #4 well	01/14/2025											< 0.10														
Aldergrove #6 well	01/10/2024																									
Aldergrove #6 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Aldergrove #6 well	04/24/2024																									
Aldergrove #6 well	07/16/2024																									
Aldergrove #6 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Aldergrove #6 well	11/14/2024																									
Aldergrove #6 well	01/14/2025											< 0.10														
Aldergrove #7 well	01/10/2024																									
Aldergrove #7 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Aldergrove #7 well	04/24/2024																									
Aldergrove #7 well	07/16/2024																									
Aldergrove #7 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Aldergrove #7 well	11/14/2024																									

Sampling Point	Collection Date	2,4,5-Trichlorophenol ug/L	2,4,6-Trichlorophenol ug/L	2,4'-DDD (o,p-DDD) ug/L	2,4'-DDE (o,p-DDE) ug/L	2,4-Dimethylphenol ug/L	2,4-Dinitrophenol ug/L	2,6-Dichlorophenol ug/L	2,6-Dimethylphenol ug/L	2-Chlorophenol ug/L	2-hydroxyphenol (Catechol) ug/L	2-Methylnaphthalene ug/L	2-Methylphenol ug/L	2-Nitrophenol ug/L	3 and 4-Chlorophenol ug/L	3,4,5-Trichlorophenol ug/L	3,4-Dichlorophenol ug/L	3,4-Dimethylphenol ug/L	3,4-Methylphenol ug/L	3,5-Dichlorophenol ug/L	4,4'-DDE (pp-DDE) ug/L	4,4'-DDT (pp-DDT) ug/L	4,6-Dinitro-o-cresol ug/L	4-Chloro-3-methylphenol (Parachlorometa cresol) ug/L	4-Nitrophenol ug/L	Total Chlordane ug/L
Aldergrove #7 well	01/14/2025											< 0.10														
Aldergrove #8 well	01/10/2024																									
Aldergrove #8 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Aldergrove #8 well	04/24/2024																									
Aldergrove #8 well	07/16/2024																									
Aldergrove #8 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Aldergrove #8 well	11/14/2024																									
Aldergrove #8 well	01/14/2025											< 0.10														
Aldergrove #9 well	01/10/2024																									
Aldergrove #9 well	01/24/2024	< 0.10	< 0.10			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
Aldergrove #9 well	04/24/2024																									
Aldergrove #9 well	07/16/2024																									
Aldergrove #9 well	08/22/2024	< 0.10	< 0.10	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
Aldergrove #9 well	11/14/2024																									
Aldergrove #9 well	01/14/2025											< 0.10														
AD (AWTP) Clear Well	01/24/2024	< 0.10	0.36			< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10			< 0.50	< 1.0	< 0.50	
AD (AWTP) Clear Well	08/22/2024	< 0.10	0.17	< 0.010	< 0.010	< 0.50	< 0.50	< 0.10	< 0.50	< 0.080	< 10	< 0.10	< 0.50	< 0.50	< 0.080	< 0.10	< 0.10	< 0.50	< 0.50	< 0.10	< 0.010	< 0.010	< 0.50	< 1.0	< 0.50	< 0.050
AD (AWTP) Clear Well	01/14/2025											< 0.10														

Sampling Point	Collection Date	Acenaphthene ug/L	Acenaphthylene ug/L	Acridine ug/L	Nitrate (as N) mg/L	Alachlor ug/L	Aldrin ug/L	Alkalinity (phenolphthalein, as CaCO3) mg/L	Alkalinity (total, as CaCO3) mg/L	alpha-BHC ug/L	Aluminum (dissolved) ug/L	Aluminum (total) ug/L	Ammonia (total, as N) mg/L	Anthracene ug/L	Antimony (dissolved) ug/L	Antimony (total) ug/L	Arsenic (dissolved) ug/L	Arsenic (total) ug/L	Aspon ug/L	Atrazine ug/L	Azinphos-ethyl ug/L	Barium (dissolved) ug/L	Barium (total) ug/L	Benfluralin ug/L	Benzo(a)anthracene ug/L	Benzo(b,j)fluoranthene ug/L
Acadia #1 well	01/10/2024																									
Acadia #1 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	94		< 3.0	< 3.0	0.037	< 0.010	< 0.50	< 0.50	5.11	4.82				10.0	9.0		< 0.010	< 0.030
Acadia #1 well	02/07/2024																									
Acadia #1 well	04/24/2024																									
Acadia #1 well	07/16/2024																									
Acadia #1 well	08/22/2024	< 0.050	< 0.050	< 0.050		< 0.050	< 0.020	< 1.0	97	< 0.050	< 3.0	< 3.0	0.037	< 0.010	< 0.50	< 0.50	5.47	5.00	< 0.050	< 0.050	< 0.20	10.4	9.5	< 0.050	< 0.010	< 0.030
Acadia #1 well	11/14/2024																									
Acadia #1 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	95		< 3.0	< 3.0	0.076	< 0.010	< 0.50	< 0.50	5.23	5.30				9.9	10.1		< 0.010	< 0.030
Acadia #2 well	01/10/2024																									
Acadia #2 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	91		< 3.0	< 3.0	0.031	< 0.010	< 0.50	< 0.50	5.33	4.97				9.5	8.5		< 0.010	< 0.030
Acadia #2 well	04/24/2024																									
Acadia #2 well	07/16/2024																									
Acadia #2 well	08/22/2024	< 0.050	< 0.050	< 0.050		< 0.050	< 0.020	< 1.0	96	< 0.050	< 3.0	< 3.0	0.034	< 0.010	< 0.50	< 0.50	5.49	4.89	< 0.050	< 0.050	< 0.20	9.6	8.9	< 0.050	< 0.010	< 0.030
Acadia #2 well	11/14/2024																									
Acadia #2 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	94		< 3.0	< 3.0	0.067	< 0.010	< 0.50	< 0.50	5.46	5.49				9.4	9.7		< 0.010	< 0.030
Aldergrove #10 well	01/03/2024				0.2																					
Aldergrove #10 well	01/10/2024																									
Aldergrove #10 well	01/15/2024				0.3																					
Aldergrove #10 well	01/23/2024				2.1																					
Aldergrove #10 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	36		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	0.29	0.25				15.3	14.1		< 0.010	< 0.030
Aldergrove #10 well	02/12/2024				1.4																					
Aldergrove #10 well	02/20/2024				6.6																					
Aldergrove #10 well	03/04/2024				0.8																					
Aldergrove #10 well	03/11/2024				0.6																					
Aldergrove #10 well	03/18/2024				6.2																					
Aldergrove #10 well	04/15/2024				1.7																					
Aldergrove #10 well	04/24/2024																									

Sampling Point	Collection Date	Acenaphthene ug/L	Acenaphthylene ug/L	Acridine ug/L	Nitrate (as N) mg/L	Alachlor ug/L	Aldrin ug/L	Alkalinity (phenolphthalein, as CaCO3) mg/L	Alkalinity (total, as CaCO3) mg/L	alpha-BHC ug/L	Aluminum (dissolved) ug/L	Aluminum (total) ug/L	Ammonia (total, as N) mg/L	Anthracene ug/L	Antimony (dissolved) ug/L	Antimony (total) ug/L	Arsenic (dissolved) ug/L	Arsenic (total) ug/L	Aspon ug/L	Atrazine ug/L	Azinphos-ethyl ug/L	Barium (dissolved) ug/L	Barium (total) ug/L	Benfluralin ug/L	Benzo(a)anthracene ug/L	Benzo(b,j)fluoranthene ug/L
Aldergrove #10 well	06/24/2024				2.3																					
Aldergrove #10 well	07/16/2024																									
Aldergrove #10 well	08/22/2024	< 0.050	< 0.050	< 0.050		< 0.050	< 0.020	< 1.0	37	< 0.050	< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	0.33	0.32	< 0.050	< 0.050	< 0.20	15.3	14.4	< 0.050	< 0.010	< 0.030
Aldergrove #10 well	10/01/2024				9.2																					
Aldergrove #10 well	11/04/2024				9.4																					
Aldergrove #10 well	11/14/2024																									
Aldergrove #10 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	37		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	0.29	0.29				14.8	15.1		< 0.010	< 0.030
Aldergrove #4 well	01/10/2024																									
Aldergrove #4 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	160		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	2.38	2.17				59.4	53.7		< 0.010	< 0.030
Aldergrove #4 well	04/24/2024																									
Aldergrove #4 well	07/16/2024																									
Aldergrove #4 well	08/22/2024	< 0.050	< 0.050	< 0.050		< 0.050	< 0.020	< 1.0	170	< 0.050	< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	2.61	2.24	< 0.050	< 0.050	< 0.20	60.9	53.5	< 0.050	< 0.010	< 0.030
Aldergrove #4 well	11/14/2024																									
Aldergrove #4 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	160		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	2.54	2.40				62.3	60.9		< 0.010	< 0.030
Aldergrove #6 well	01/10/2024																									
Aldergrove #6 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	150		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	4.59	4.43				60.3	54.7		< 0.010	< 0.030
Aldergrove #6 well	04/24/2024																									
Aldergrove #6 well	07/16/2024																									
Aldergrove #6 well	08/22/2024	< 0.050	< 0.050	< 0.050		< 0.050	< 0.020	< 1.0	160	< 0.050	< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	4.45	3.92	< 0.050	< 0.050	< 0.20	65.0	58.7	< 0.050	< 0.010	< 0.030
Aldergrove #6 well	11/14/2024																									
Aldergrove #6 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	150		< 3.0	< 3.0	0.058	< 0.010	< 0.50	< 0.50	4.65	4.36				61.3	58.4		< 0.010	< 0.030
Aldergrove #7 well	01/10/2024																									
Aldergrove #7 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	160		< 3.0	4.0	< 0.015	< 0.010	0.56	0.54	4.49	4.34				92.6	89.8		< 0.010	< 0.030
Aldergrove #7 well	04/24/2024																									
Aldergrove #7 well	07/16/2024																									
Aldergrove #7 well	08/22/2024	< 0.050	< 0.050	< 0.050		< 0.050	< 0.020	< 1.0	170	< 0.050	< 3.0	< 3.0	0.021	< 0.010	0.55	0.51	4.73	4.19	< 0.050	< 0.050	< 0.20	96.9	87.2	< 0.050	< 0.010	< 0.030
Aldergrove #7 well	11/14/2024																									

Sampling Point	Collection Date	Acenaphthene ug/L	Acenaphthylene ug/L	Acridine ug/L	Nitrate (as N) mg/L	Alachlor ug/L	Aldrin ug/L	Alkalinity (phenolphthalein, as CaCO3) mg/L	Alkalinity (total, as CaCO3) mg/L	alpha-BHC ug/L	Aluminum (dissolved) ug/L	Aluminum (total) ug/L	Ammonia (total, as N) mg/L	Anthracene ug/L	Antimony (dissolved) ug/L	Antimony (total) ug/L	Arsenic (dissolved) ug/L	Arsenic (total) ug/L	Aspon ug/L	Atrazine ug/L	Azinphos-ethyl ug/L	Barium (dissolved) ug/L	Barium (total) ug/L	Benfluralin ug/L	Benzo(a)anthracene ug/L	Benzo(b,j)fluoranthene ug/L
Aldergrove #7 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	160		< 3.0	< 3.0	< 0.015	< 0.010	0.55	0.56	4.44	4.36				93.6	93.4		< 0.010	< 0.030
Aldergrove #8 well	01/10/2024																									
Aldergrove #8 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	140		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	3.49	3.53				51.5	46.0		< 0.010	< 0.030
Aldergrove #8 well	04/24/2024																									
Aldergrove #8 well	07/16/2024																									
Aldergrove #8 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.050	< 0.020	< 1.0	140	< 0.050	< 3.0	< 3.0	0.015	< 0.010	< 0.50	< 0.50	3.92	3.64	< 0.050	< 0.050	< 0.20	52.6	49.0	< 0.050	< 0.010	< 0.030
Aldergrove #8 well	11/14/2024																									
Aldergrove #8 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	140		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	3.78	3.71				52.3	52.3		< 0.010	< 0.030
Aldergrove #9 well	01/10/2024																									
Aldergrove #9 well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	84		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	0.15	0.15				9.9	9.6		< 0.010	< 0.030
Aldergrove #9 well	04/24/2024																									
Aldergrove #9 well	07/16/2024																									
Aldergrove #9 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.050	< 0.020	< 1.0	84	< 0.050	< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	0.18	0.14	< 0.050	< 0.050	< 0.20	9.8	9.0	< 0.050	< 0.010	< 0.030
Aldergrove #9 well	11/14/2024																									
Aldergrove #9 well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	84		< 3.0	< 3.0	0.034	< 0.010	< 0.50	< 0.50	0.16	0.16				10.2	10.3		< 0.010	< 0.030
AD (AWTP) Clear Well	01/24/2024	< 0.050	< 0.050	< 0.050				< 1.0	120		< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	2.27	2.32				44.4	44.2		< 0.010	< 0.030
AD (AWTP) Clear Well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.050	< 0.020	< 1.0	140	< 0.050	< 3.0	< 3.0	< 0.015	< 0.010	< 0.50	< 0.50	2.46	2.17	< 0.050	< 0.050	< 0.20	52.2	50.7	< 0.050	< 0.010	< 0.030
AD (AWTP) Clear Well	01/14/2025	< 0.050	< 0.050	< 0.050				< 1.0	130		3.5	4.5	< 0.015	< 0.010	< 0.50	< 0.50	2.20	2.04				51.4	47.0		< 0.010	< 0.030

Sampling Point	Collection Date	Benzo(g,h,i)perylene ug/L	Benzo(k)fluoranthene ug/L	Benzo(a)pyrene ug/L	Beryllium (dissolved) ug/L	Beryllium (total) ug/L	beta-BHC ug/L	Bicarbonate (as HCO3) mg/L	Bismuth (dissolved) ug/L	Bismuth (total) ug/L	Boron (dissolved) ug/L	Boron (total) ug/L	Bromacil ug/L	Bromobenzene ug/L	Bromodichloromethane (dichlorobromomethane) ug/L	Bromoform ug/L	Bromophos ug/L	Bromophos-ethyl ug/L	Butylate ug/L	Cadmium (dissolved) ug/L	Cadmium (total) ug/L	Calcium (total) mg/L	Captan ug/L	Carbon tetrachloride ug/L	Carbonate (as CO3) mg/L	Carbophenothion - solids (dry weight) ug/L	Chlorate mg/L
Acadia #1 well	01/10/2024																										
Acadia #1 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		110	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	13.8		< 0.50	< 1.0		< 0.10
Acadia #1 well	02/07/2024																										
Acadia #1 well	04/24/2024																										
Acadia #1 well	07/16/2024																										
Acadia #1 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	120	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	14.2	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Acadia #1 well	11/14/2024																										
Acadia #1 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		120	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	16.0		< 0.50	< 1.0		< 0.10
Acadia #2 well	01/10/2024																										
Acadia #2 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		110	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	14.1		< 0.50	< 1.0		< 0.10
Acadia #2 well	04/24/2024																										
Acadia #2 well	07/16/2024																										
Acadia #2 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	120	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	14.1	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Acadia #2 well	11/14/2024																										
Acadia #2 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		110	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	16.5		< 0.50	< 1.0		< 0.10
Aldergrove #10 well	01/03/2024																										
Aldergrove #10 well	01/10/2024																										
Aldergrove #10 well	01/15/2024																										
Aldergrove #10 well	01/23/2024																										
Aldergrove #10 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		44	< 1.0	< 1.0	66	59		< 2.0	< 1.0	< 1.0					0.029	0.025	30.4		< 0.50	< 1.0		< 0.10
Aldergrove #10 well	02/12/2024																										
Aldergrove #10 well	02/20/2024																										
Aldergrove #10 well	03/04/2024																										
Aldergrove #10 well	03/11/2024																										
Aldergrove #10 well	03/18/2024																										
Aldergrove #10 well	04/15/2024																										
Aldergrove #10 well	04/24/2024																										

Sampling Point	Collection Date	Benzo(g,h,i)perylene ug/L	Benzo(k)fluoranthene ug/L	Benzo(a)pyrene ug/L	Beryllium (dissolved) ug/L	Beryllium (total) ug/L	beta-BHC ug/L	Bicarbonate (as HCO3) mg/L	Bismuth (dissolved) ug/L	Bismuth (total) ug/L	Boron (dissolved) ug/L	Boron (total) ug/L	Bromacil ug/L	Bromobenzene ug/L	Bromodichloromethane (dichlorobromomethane) ug/L	Bromoform ug/L	Bromophos ug/L	Bromophos-ethyl ug/L	Butylate ug/L	Cadmium (dissolved) ug/L	Cadmium (total) ug/L	Calcium (total) mg/L	Captan ug/L	Carbon tetrachloride ug/L	Carbonate (as CO3) mg/L	Carbophenothion - solids (dry weight) ug/L	Chlorate mg/L
Aldergrove #10 well	06/24/2024																										
Aldergrove #10 well	07/16/2024																										
Aldergrove #10 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	45	< 1.0	< 1.0	68	63	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	0.030	0.026	29.9	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Aldergrove #10 well	10/01/2024																										
Aldergrove #10 well	11/04/2024																										
Aldergrove #10 well	11/14/2024																										
Aldergrove #10 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		46	< 1.0	< 1.0	65	69		< 2.0	< 1.0	< 1.0					0.029	0.026	32.2		< 0.50	< 1.0		< 0.10
Aldergrove #4 well	01/10/2024																										
Aldergrove #4 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		200	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	45.1		< 0.50	< 1.0		< 0.10
Aldergrove #4 well	04/24/2024																										
Aldergrove #4 well	07/16/2024																										
Aldergrove #4 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	200	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	44.0	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Aldergrove #4 well	11/14/2024																										
Aldergrove #4 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		200	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	0.011	51.9		< 0.50	< 1.0		< 0.10
Aldergrove #6 well	01/10/2024																										
Aldergrove #6 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		190	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	46.3		< 0.50	< 1.0		< 0.10
Aldergrove #6 well	04/24/2024																										
Aldergrove #6 well	07/16/2024																										
Aldergrove #6 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	200	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	48.9	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Aldergrove #6 well	11/14/2024																										
Aldergrove #6 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		180	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	49.7		< 0.50	< 1.0		< 0.10
Aldergrove #7 well	01/10/2024																										
Aldergrove #7 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		200	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	53.0		< 0.50	< 1.0		< 0.10
Aldergrove #7 well	04/24/2024																										
Aldergrove #7 well	07/16/2024																										
Aldergrove #7 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	210	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	52.4	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Aldergrove #7 well	11/14/2024																										

Sampling Point	Collection Date	Benzo(g,h,i)perylene ug/L	Benzo(k)fluoranthene ug/L	Benzo(a)pyrene ug/L	Beryllium (dissolved) ug/L	Beryllium (total) ug/L	beta-BHC ug/L	Bicarbonate (as HCO3) mg/L	Bismuth (dissolved) ug/L	Bismuth (total) ug/L	Boron (dissolved) ug/L	Boron (total) ug/L	Bromacil ug/L	Bromobenzene ug/L	Bromodichloromethane (dichlorobromomethane) ug/L	Bromoform ug/L	Bromophos ug/L	Bromophos-ethyl ug/L	Butylate ug/L	Cadmium (dissolved) ug/L	Cadmium (total) ug/L	Calcium (total) mg/L	Captan ug/L	Carbon tetrachloride ug/L	Carbonate (as CO3) mg/L	Carbophenothion - solids (dry weight) ug/L	Chlorate mg/L
Aldergrove #7 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		200	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	54.1		< 0.50	< 1.0		< 0.10
Aldergrove #8 well	01/10/2024																											
Aldergrove #8 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		170	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	35.6		< 0.50	< 1.0		< 0.10
Aldergrove #8 well	04/24/2024																											
Aldergrove #8 well	07/16/2024																											
Aldergrove #8 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	170	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	37.2	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Aldergrove #8 well	11/14/2024																											
Aldergrove #8 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		170	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					< 0.010	< 0.010	40.3		< 0.50	< 1.0		< 0.10
Aldergrove #9 well	01/10/2024																											
Aldergrove #9 well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		100	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					0.040	0.039	34.6		< 0.50	< 1.0		0.10
Aldergrove #9 well	04/24/2024																											
Aldergrove #9 well	07/16/2024																											
Aldergrove #9 well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	100	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	< 1.0	< 1.0	< 0.050	< 0.050	< 0.050	0.046	0.039	32.5	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
Aldergrove #9 well	11/14/2024																											
Aldergrove #9 well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		100	< 1.0	< 1.0	< 50	< 50		< 2.0	< 1.0	< 1.0					0.044	0.044	38.4		< 0.50	< 1.0		< 0.10
AD (AWTP) Clear Well	01/24/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		150	< 1.0	< 1.0	< 50	< 50		< 2.0	2.3	1.5					< 0.010	< 0.010	40.4		< 0.50	< 1.0		< 0.10
AD (AWTP) Clear Well	08/22/2024	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10	< 0.050	170	< 1.0	< 1.0	< 50	< 50	< 0.050	< 2.0	2.2	1.7	< 0.050	< 0.050	< 0.050	< 0.010	< 0.010	44.2	< 0.10	< 0.50	< 1.0	< 0.30	< 0.10
AD (AWTP) Clear Well	01/14/2025	< 0.050	< 0.050	< 0.0050	< 0.10	< 0.10		160	< 1.0	< 1.0	< 50	< 50		< 2.0	3.2	1.8					< 0.010	< 0.010	42.1		< 0.50	< 1.0		< 0.10

Sampling Point	Collection Date	Chlorbenside ug/L	Chlorfenson ug/L	Chlorfenvinphos ug/L	Chloride mg/L	Chlorite mg/L	Chlormephos ug/L	Chloroethane ug/L	Chloroform ug/L	Chlorophenols (total) ug/L	Chloropropham ug/L	Chlorothalonil ug/L	Chlorpyrifos ug/L	Chlorthiophos ug/L	Chromium (dissolved) ug/L	Chromium (total) ug/L	Chrysene ug/L	cis-1,2-Dichloroethylene ug/L	cis-1,3-Dichloropropene ug/L	Cobalt (dissolved) ug/L	Cobalt (total) ug/L	Colour CU	Copper (dissolved) ug/L	Copper (total) ug/L	Cyanazine ug/L	Cyanide (total) mg/L
Acadia #1 well	01/10/2024																									
Acadia #1 well	01/24/2024				1.5	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	2.1	< 0.20	< 0.50		< 0.00050
Acadia #1 well	02/07/2024																									
Acadia #1 well	04/24/2024																									
Acadia #1 well	07/16/2024																									
Acadia #1 well	08/22/2024	< 0.050	< 0.050	< 0.050	1.2	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	2.6	0.26	< 0.50	< 0.050	< 0.00050
Acadia #1 well	11/14/2024																									
Acadia #1 well	01/14/2025				2.0	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50		< 0.00050
Acadia #2 well	01/10/2024																									
Acadia #2 well	01/24/2024				1.5	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	6.0	< 0.20	< 0.50		< 0.00050
Acadia #2 well	04/24/2024																									
Acadia #2 well	07/16/2024																									
Acadia #2 well	08/22/2024	< 0.050	< 0.050	< 0.050	1.6	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	2.2	< 0.20	< 0.50	< 0.050	< 0.00050
Acadia #2 well	11/14/2024																									
Acadia #2 well	01/14/2025				2.0	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	2.3	< 0.20	< 0.50		< 0.00050
Aldergrove #10 well	01/03/2024																									
Aldergrove #10 well	01/10/2024																									
Aldergrove #10 well	01/15/2024																									
Aldergrove #10 well	01/23/2024																									
Aldergrove #10 well	01/24/2024				7.2	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	**21.9**	1.13	1.16		< 0.00050
Aldergrove #10 well	02/12/2024																									
Aldergrove #10 well	02/20/2024																									
Aldergrove #10 well	03/04/2024																									
Aldergrove #10 well	03/11/2024																									
Aldergrove #10 well	03/18/2024																									
Aldergrove #10 well	04/15/2024																									
Aldergrove #10 well	04/24/2024																									

Sampling Point	Collection Date	Chlorbenside ug/L	Chlorfenson ug/L	Chlorfenvinphos ug/L	Chloride mg/L	Chlorite mg/L	Chlormephos ug/L	Chloroethane ug/L	Chloroform ug/L	Chlorophenols (total) ug/L	Chloropropham ug/L	Chlorothalonil ug/L	Chlorpyrifos ug/L	Chlorthiophos ug/L	Chromium (dissolved) ug/L	Chromium (total) ug/L	Chrysene ug/L	cis-1,2-Dichloroethylene ug/L	cis-1,3-Dichloropropene ug/L	Cobalt (dissolved) ug/L	Cobalt (total) ug/L	Colour CU	Copper (dissolved) ug/L	Copper (total) ug/L	Cyanazine ug/L	Cyanide (total) mg/L
Aldergrove #10 well	06/24/2024																									
Aldergrove #10 well	07/16/2024																									
Aldergrove #10 well	08/22/2024	< 0.050	< 0.050	< 0.050	6.4	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	1.04	0.92	< 0.050	< 0.00050
Aldergrove #10 well	10/01/2024																									
Aldergrove #10 well	11/04/2024																									
Aldergrove #10 well	11/14/2024																									
Aldergrove #10 well	01/14/2025				6.3	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	1.58	1.08		< 0.00050
Aldergrove #4 well	01/10/2024																									
Aldergrove #4 well	01/24/2024				13	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	0.47	< 0.50		< 0.00050
Aldergrove #4 well	04/24/2024																									
Aldergrove #4 well	07/16/2024																									
Aldergrove #4 well	08/22/2024	< 0.050	< 0.050	< 0.050	15	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	2.7	0.52	< 0.50	< 0.050	< 0.00050
Aldergrove #4 well	11/14/2024																									
Aldergrove #4 well	01/14/2025				18	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	0.38	< 0.50		< 0.00050
Aldergrove #6 well	01/10/2024																									
Aldergrove #6 well	01/24/2024				17	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50		< 0.00050
Aldergrove #6 well	04/24/2024																									
Aldergrove #6 well	07/16/2024																									
Aldergrove #6 well	08/22/2024	< 0.050	< 0.050	< 0.050	20	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50	< 0.050	< 0.00050
Aldergrove #6 well	11/14/2024																									
Aldergrove #6 well	01/14/2025				24	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50		< 0.00050
Aldergrove #7 well	01/10/2024																									
Aldergrove #7 well	01/24/2024				12	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	1.12	1.23		< 0.00050
Aldergrove #7 well	04/24/2024																									
Aldergrove #7 well	07/16/2024																									
Aldergrove #7 well	08/22/2024	< 0.050	< 0.050	< 0.050	13	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	0.66	0.51	< 0.050	0.00057
Aldergrove #7 well	11/14/2024																									

Sampling Point	Collection Date	Chlorbenside ug/L	Chlorfenson ug/L	Chlorfenvinphos ug/L	Chloride mg/L	Chlorite mg/L	Chlormephos ug/L	Chloroethane ug/L	Chloroform ug/L	Chlorophenols (total) ug/L	Chloropropham ug/L	Chlorothalonil ug/L	Chlorpyrifos ug/L	Chlorthiophos ug/L	Chromium (dissolved) ug/L	Chromium (total) ug/L	Chrysene ug/L	cis-1,2-Dichloroethylene ug/L	cis-1,3-Dichloropropene ug/L	Cobalt (dissolved) ug/L	Cobalt (total) ug/L	Colour CU	Copper (dissolved) ug/L	Copper (total) ug/L	Cyanazine ug/L	Cyanide (total) mg/L
Aldergrove #7 well	01/14/2025				14	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	0.98	1.11		< 0.00050
Aldergrove #8 well	01/10/2024																									
Aldergrove #8 well	01/24/2024				9.7	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50		< 0.00050
Aldergrove #8 well	04/24/2024																									
Aldergrove #8 well	07/16/2024																									
Aldergrove #8 well	08/22/2024	< 0.050	< 0.050	< 0.050	10	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50	< 0.050	< 0.00050
Aldergrove #8 well	11/14/2024																									
Aldergrove #8 well	01/14/2025				11	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	< 0.20	< 0.50		0.00372
Aldergrove #9 well	01/10/2024																									
Aldergrove #9 well	01/24/2024				13	< 0.10		< 1.0	< 1.0	< 0.10					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	6.25	5.32		< 0.00050
Aldergrove #9 well	04/24/2024																									
Aldergrove #9 well	07/16/2024																									
Aldergrove #9 well	08/22/2024	< 0.050	< 0.050	< 0.050	14	< 0.10	< 0.050	< 1.0	< 1.0	< 0.10	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	0.87	0.82	< 0.050	< 0.00050
Aldergrove #9 well	11/14/2024																									
Aldergrove #9 well	01/14/2025				17	< 0.10		< 1.0	< 1.0						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	2.96	1.55		< 0.00050
AD (AWTP) Clear Well	01/24/2024				19	< 0.10		< 1.0	2.3	0.36					< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	10.2	10.1		< 0.00050
AD (AWTP) Clear Well	08/22/2024	< 0.050	< 0.050	< 0.050	19	< 0.10	< 0.050	< 1.0	2.4	0.17	< 0.050	< 0.050	< 0.010	< 0.050	< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	7.61	7.11	< 0.050	< 0.00050
AD (AWTP) Clear Well	01/14/2025				20	< 0.10		< 1.0	2.9						< 1.0	< 1.0	< 0.020	< 1.0	< 1.0	< 0.20	< 0.20	< 2.0	11.3	6.23		0.00056

Sampling Point	Collection Date	Cyanophos ug/L	DCPA ug/L	delta-BHC ug/L	Dibenzo(a,h)anthracene ug/L	Dibromochloromethane (Chlorodibromomethane) ug/L	Dichlorodifluoromethane / Freon 12 ug/L	Dichloromethane ug/L	Dichlorophenols (total) ug/L	Dissolved Organic Carbon mg/L	Escherichia coli / E. coli (counts) CFU/100ml	Ethylbenzene ug/L	Ethylene dibromide / EDB ug/L	Fluoranthene ug/L	Fluorene ug/L	Fluoride mg/L	Total Chlordane ug/L2	Hardness (dissolved, as CaCO3) mg/L	Hardness (total, as CaCO3) mg/L	Heterotrophic Plate Count / HPC CFU/ml	Hexachlorobutadiene ug/L	Hydroquinone ug/L	Hydroxide (as OH) mg/L	Indeno(1,2,3-c,d)pyrene ug/L	Iron (total) mg/L	Iron (dissolved) ug/L	Iron (total) ug/L
Acadia #1 well	01/10/2024										0									3.0							
Acadia #1 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	0.74		< 0.40	< 0.20	< 0.020	< 0.050	0.15		61.4	58.2		< 0.50	< 1.0	< 1.0	< 0.050		26.4	15
Acadia #1 well	02/07/2024																										
Acadia #1 well	04/24/2024										0									< 1.0							
Acadia #1 well	07/16/2024										0									< 1.0							
Acadia #1 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	0.13	< 0.050	64.2	61.1		< 0.50	< 1.0	< 1.0	< 0.050		18.7	15
Acadia #1 well	11/14/2024										0									2.0							
Acadia #1 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		0.52	0	< 0.40	< 0.20	< 0.020	< 0.050	0.12		63.1	68.2	< 1.0	< 0.50		< 1.0	< 0.050		94.7	19
Acadia #2 well	01/10/2024										0									6.0							
Acadia #2 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	0.97		< 0.40	< 0.20	< 0.020	< 0.050	0.13		65.6	59.6		< 0.50	< 1.0	< 1.0	< 0.050		52.6	17
Acadia #2 well	04/24/2024										0									< 1.0							
Acadia #2 well	07/16/2024										0									< 1.0							
Acadia #2 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	0.13	< 0.050	65.2	60.7		< 0.50	< 1.0	< 1.0	< 0.050		15.5	19
Acadia #2 well	11/14/2024										0									< 1.0							
Acadia #2 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		0.93	0	< 0.40	< 0.20	< 0.020	< 0.050	0.11		67.7	68.6	< 1.0	< 0.50		< 1.0	< 0.050		16.1	49
Aldergrove #10 well	01/03/2024																										
Aldergrove #10 well	01/10/2024										0									1.0							
Aldergrove #10 well	01/15/2024																										
Aldergrove #10 well	01/23/2024																										
Aldergrove #10 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		114	110		< 0.50	< 1.0	< 1.0	< 0.050		< 5.0	< 10
Aldergrove #10 well	02/12/2024																										
Aldergrove #10 well	02/20/2024																										
Aldergrove #10 well	03/04/2024																										
Aldergrove #10 well	03/11/2024																										
Aldergrove #10 well	03/18/2024																										
Aldergrove #10 well	04/15/2024																										
Aldergrove #10 well	04/24/2024										0									< 1.0							

Sampling Point	Collection Date	Cyanophos ug/L	DCPA ug/L	delta-BHC ug/L	Dibenzo(a,h)anthracene ug/L	Dibromochloromethane (Chlorodibromomethane) ug/L	Dichlorodifluoromethane / Freon 12 ug/L	Dichloromethane ug/L	Dichlorophenols (total) ug/L	Dissolved Organic Carbon mg/L	Escherichia coli / E. coli (counts) CFU/100ml	Ethylbenzene ug/L	Ethylene dibromide / EDB ug/L	Fluoranthene ug/L	Fluorene ug/L	Fluoride mg/L	Total Chlordane ug/L2	Hardness (dissolved, as CaCO3) mg/L	Hardness (total, as CaCO3) mg/L	Heterotrophic Plate Count / HPC CFU/ml	Hexachlorobutadiene ug/L	Hydroquinone ug/L	Hydroxide (as OH) mg/L	Indeno(1,2,3-c,d)pyrene ug/L	Iron (total) mg/L	Iron (dissolved) ug/L	Iron (total) ug/L
Aldergrove #10 well	06/24/2024																										
Aldergrove #10 well	07/16/2024										0									< 1.0							
Aldergrove #10 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	117	109		< 0.50	< 1.0	< 1.0	< 0.050		< 5.0	< 10
Aldergrove #10 well	10/01/2024																										
Aldergrove #10 well	11/04/2024																										
Aldergrove #10 well	11/14/2024										0									4.0							
Aldergrove #10 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		0.63	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		119	117	1.0	< 0.50		< 1.0	< 0.050		< 5.0	< 10
Aldergrove #4 well	01/10/2024										0									< 1.0							
Aldergrove #4 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	1.1		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		180	163		< 0.50	< 1.0	< 1.0	< 0.050		225	221
Aldergrove #4 well	04/24/2024										0									< 1.0							
Aldergrove #4 well	07/16/2024										0									< 1.0							
Aldergrove #4 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	181	162		< 0.50	< 1.0	< 1.0	< 0.050		243	221
Aldergrove #4 well	11/14/2024										0									< 1.0							
Aldergrove #4 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		< 0.50	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		187	187	< 1.0	< 0.50		< 1.0	< 0.050		249	238
Aldergrove #6 well	01/10/2024										0									< 1.0							
Aldergrove #6 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	1.0		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		170	164		< 0.50	< 1.0	< 1.0	< 0.050		53.5	48
Aldergrove #6 well	04/24/2024										0									< 1.0							
Aldergrove #6 well	07/16/2024										0									< 1.0							
Aldergrove #6 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	0.66		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	196	175		< 0.50	< 1.0	< 1.0	< 0.050		110	99
Aldergrove #6 well	11/14/2024										0									< 1.0							
Aldergrove #6 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		1.2	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		183	177	< 1.0	< 0.50		< 1.0	< 0.050		58.0	54
Aldergrove #7 well	01/10/2024										0									< 1.0							
Aldergrove #7 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	0.83		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		196	194		< 0.50	< 1.0	< 1.0	< 0.050		50.8	49
Aldergrove #7 well	04/24/2024										0									< 1.0							
Aldergrove #7 well	07/16/2024										0									< 1.0							
Aldergrove #7 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	0.55		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	209	191		< 0.50	< 1.0	< 1.0	< 0.050		51.7	47
Aldergrove #7 well	11/14/2024										0									1.0							

Sampling Point	Collection Date	Cyanophos ug/L	DCPA ug/L	delta-BHC ug/L	Dibenzo(a,h)anthracene ug/L	Dibromochloromethane (Chlorodibromomethane) ug/L	Dichlorodifluoromethane / Freon 12 ug/L	Dichloromethane ug/L	Dichlorophenols (total) ug/L	Dissolved Organic Carbon mg/L	Escherichia coli / E. coli (counts) CFU/100ml	Ethylbenzene ug/L	Ethylene dibromide / EDB ug/L	Fluoranthene ug/L	Fluorene ug/L	Fluoride mg/L	Total Chlordane ug/L2	Hardness (dissolved, as CaCO3) mg/L	Hardness (total, as CaCO3) mg/L	Heterotrophic Plate Count / HPC CFU/ml	Hexachlorobutadiene ug/L	Hydroquinone ug/L	Hydroxide (as OH) mg/L	Indeno(1,2,3-c,d)pyrene ug/L	Iron (total) mg/L	Iron (dissolved) ug/L	Iron (total) ug/L
Aldergrove #7 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		0.85	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		209	200	< 1.0	< 0.50		< 1.0	< 0.050		54.0	52
Aldergrove #8 well	01/10/2024										0									< 1.0							
Aldergrove #8 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		147	137		< 0.50	< 1.0	< 1.0	< 0.050		90.0	87
Aldergrove #8 well	04/24/2024										0									< 1.0							
Aldergrove #8 well	07/16/2024										0									< 1.0							
Aldergrove #8 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	154	144		< 0.50	< 1.0	< 1.0	< 0.050		89.3	84
Aldergrove #8 well	11/14/2024										0									< 1.0							
Aldergrove #8 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		< 0.50	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		157	153	< 1.0	< 0.50		< 1.0	< 0.050		92.0	91
Aldergrove #9 well	01/10/2024										0									< 1.0							
Aldergrove #9 well	01/24/2024				< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	1.1		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		134	129		< 0.50	< 1.0	< 1.0	< 0.050		< 5.0	< 10
Aldergrove #9 well	04/24/2024										0									< 1.0							
Aldergrove #9 well	07/16/2024										0									< 1.0							
Aldergrove #9 well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	< 1.0	< 2.0	< 2.0	< 0.10	0.83		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	133	123		< 0.50	< 1.0	< 1.0	< 0.050		< 5.0	< 10
Aldergrove #9 well	11/14/2024										0									< 1.0							
Aldergrove #9 well	01/14/2025				< 0.0030	< 1.0	< 2.0	< 2.0		0.97	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		142	141	1.0	< 0.50		< 1.0	< 0.050		< 5.0	< 10
AD (AWTP) Clear Well	01/24/2024				< 0.0030	3.0	< 2.0	< 2.0	< 0.10	0.64		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		151	150		< 0.50	< 1.0	< 1.0	< 0.050	0.004	< 5.0	< 10
AD (AWTP) Clear Well	08/22/2024	< 0.050	< 0.050	< 0.050	< 0.0030	3.0	< 2.0	< 2.0	< 0.10	< 0.50		< 0.40	< 0.20	< 0.020	< 0.050	< 0.050	< 0.050	168	165		< 0.50	< 1.0	< 1.0	< 0.050	0.033	7.7	< 10
AD (AWTP) Clear Well	01/14/2025				< 0.0030	4.1	< 2.0	< 2.0		0.66	0	< 0.40	< 0.20	< 0.020	< 0.050	< 0.050		165	156	< 1.0	< 0.50		< 1.0	< 0.050	0.041	< 5.0	< 10

Sampling Point	Collection Date	Isopropylbenzene ug/L	Lead (dissolved) ug/L	Lead (total) ug/L	Lithium (dissolved) ug/L	Lithium (total) ug/L	m- + p- Xylene ug/L	Magnesium (dissolved) mg/L	Magnesium (total) mg/L	Manganese (total) mg/L	Manganese (dissolved) ug/L	Manganese (total) ug/L	2-methyl-4-chlorophenoxyacetic acid / MCPA ug/L	Mercury (dissolved) ug/L	Mercury (total) ug/L	Methyl bromide (Bromomethane) ug/L	Methyl tert-butyl ether / MTBE ug/L	Molybdenum (dissolved) ug/L	Molybdenum (total) ug/L	Monochlorophenols (total) ug/L	Naphthalene ug/L	Nickel (dissolved) ug/L	Nickel (total) ug/L	Nitrate (as N) mg/L3	Nitrate + Nitrite (as N) mg/L	Nitrilotriacetic acid / NTA mg/L	Nitrite (as N) mg/L	Non-chlorinated Phenols ug/L
Acadia #1 well	01/10/2024																											
Acadia #1 well	01/24/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	6.34	5.78		109	**104**		0.0082	< 0.030	< 1.0	< 4.0	1.9	1.7	< 0.080	< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	< 10
Acadia #1 well	02/07/2024												< 0.020															
Acadia #1 well	04/24/2024																											
Acadia #1 well	07/16/2024																											
Acadia #1 well	08/22/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	6.65	6.23		115	**103**	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	2.0	1.8	< 0.080	< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	< 10
Acadia #1 well	11/14/2024																											
Acadia #1 well	01/14/2025	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	6.73	6.84		109	**118**		< 0.0019	0.0084	< 1.0	< 4.0	1.9	2.0		< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	
Acadia #2 well	01/10/2024																											
Acadia #2 well	01/24/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	6.64	5.94		120	**112**	< 0.020	0.0074	< 0.030	< 1.0	< 4.0	1.9	3.6	< 0.080	< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	< 10
Acadia #2 well	04/24/2024																											
Acadia #2 well	07/16/2024																											
Acadia #2 well	08/22/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	6.67	6.17		121	**109**	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	2.0	1.8	< 0.080	< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	< 10
Acadia #2 well	11/14/2024																											
Acadia #2 well	01/14/2025	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	7.19	6.65		120	**134**		< 0.0019	< 0.0019	< 1.0	< 4.0	1.9	2.0		< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	
Aldergrove #10 well	01/03/2024																											
Aldergrove #10 well	01/10/2024																											
Aldergrove #10 well	01/15/2024																											
Aldergrove #10 well	01/23/2024																											
Aldergrove #10 well	01/24/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	8.65	8.30		< 1.0	< 1.0	< 0.020	< 0.030	< 0.030	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	1.5	1.5	**14.1**	**14.1**	< 0.050	< 0.0050	< 10
Aldergrove #10 well	02/12/2024																											
Aldergrove #10 well	02/20/2024																											
Aldergrove #10 well	03/04/2024																											
Aldergrove #10 well	03/11/2024																											
Aldergrove #10 well	03/18/2024																											
Aldergrove #10 well	04/15/2024																											
Aldergrove #10 well	04/24/2024																											

Sampling Point	Collection Date	Isopropylbenzene ug/L	Lead (dissolved) ug/L	Lead (total) ug/L	Lithium (dissolved) ug/L	Lithium (total) ug/L	m- + p- Xylene ug/L	Magnesium (dissolved) mg/L	Magnesium (total) mg/L	Manganese (total) mg/L	Manganese (dissolved) ug/L	Manganese (total) ug/L	2-methyl-4-chlorophenoxyacetic acid / MCPA ug/L	Mercury (dissolved) ug/L	Mercury (total) ug/L	Methyl bromide (Bromomethane) ug/L	Methyl tert-butyl ether / MTBE ug/L	Molybdenum (dissolved) ug/L	Molybdenum (total) ug/L	Monochlorophenols (total) ug/L	Naphthalene ug/L	Nickel (dissolved) ug/L	Nickel (total) ug/L	Nitrate (as N) mg/L3	Nitrate + Nitrite (as N) mg/L	Nitrilotriacetic acid / NTA mg/L	Nitrite (as N) mg/L	Non-chlorinated Phenols ug/L
Aldergrove #10 well	06/24/2024																											
Aldergrove #10 well	07/16/2024																											
Aldergrove #10 well	08/22/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	8.98	8.46		< 1.0	< 1.0	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	1.6	1.4	**14.6**	**14.6**	< 0.050	< 0.0050	< 10
Aldergrove #10 well	10/01/2024																											
Aldergrove #10 well	11/04/2024																											
Aldergrove #10 well	11/14/2024																											
Aldergrove #10 well	01/14/2025	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	9.25	8.94		< 1.0	< 1.0		< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0		< 0.10	1.6	1.6	**13.7**	**13.7**	< 0.050	< 0.0050	
Aldergrove #4 well	01/10/2024																											
Aldergrove #4 well	01/24/2024	< 2.0	< 0.20	< 0.20	4.4	4.2	< 0.40	14.1	12.3		498	**465**	< 0.020	< 0.030	< 0.030	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	0.610	0.655	< 0.050	0.0457	< 10
Aldergrove #4 well	04/24/2024																											
Aldergrove #4 well	07/16/2024																											
Aldergrove #4 well	08/22/2024	< 2.0	< 0.20	< 0.20	4.2	3.5	< 0.40	14.5	12.6		454	**410**	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	0.798	0.851	< 0.050	0.0532	< 10
Aldergrove #4 well	11/14/2024																											
Aldergrove #4 well	01/14/2025	< 2.0	< 0.20	< 0.20	4.1	4.6	< 0.40	14.8	13.9		473	**499**		< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0		< 0.10	< 1.0	< 1.0	0.856	0.911	< 0.050	0.0558	
Aldergrove #6 well	01/10/2024																											
Aldergrove #6 well	01/24/2024	< 2.0	< 0.20	< 0.20	5.3	5.3	< 0.40	13.0	11.7		184	**173**	< 0.020	< 0.030	< 0.030	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	0.481	0.522	< 0.050	0.0411	< 10
Aldergrove #6 well	04/24/2024																											
Aldergrove #6 well	07/16/2024																											
Aldergrove #6 well	08/22/2024	< 2.0	< 0.20	< 0.20	5.4	4.5	< 0.40	14.9	12.9		195	**173**	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	0.243	0.263	< 0.050	0.0198	< 10
Aldergrove #6 well	11/14/2024																											
Aldergrove #6 well	01/14/2025	< 2.0	< 0.20	< 0.20	4.9	5.3	< 0.40	14.0	12.7		169	**176**		< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0		< 0.10	< 1.0	< 1.0	0.385	0.420	< 0.050	0.0347	
Aldergrove #7 well	01/10/2024																											
Aldergrove #7 well	01/24/2024	< 2.0	< 0.20	< 0.20	5.5	5.7	< 0.40	15.7	14.9		160	**160**	< 0.020	< 0.030	< 0.030	< 1.0	< 4.0	1.3	1.3	< 0.080	< 0.10	1.7	1.7	0.515	0.635	< 0.050	0.120	< 10
Aldergrove #7 well	04/24/2024																											
Aldergrove #7 well	07/16/2024																											
Aldergrove #7 well	08/22/2024	< 2.0	< 0.20	< 0.20	5.6	4.6	< 0.40	17.1	14.7		157	**140**	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	1.3	1.2	< 0.080	< 0.10	1.6	1.5	0.439	0.543	< 0.050	0.104	< 10
Aldergrove #7 well	11/14/2024																											

Sampling Point	Collection Date	Isopropylbenzene ug/L	Lead (dissolved) ug/L	Lead (total) ug/L	Lithium (dissolved) ug/L	Lithium (total) ug/L	m- + p- Xylene ug/L	Magnesium (dissolved) mg/L	Magnesium (total) mg/L	Manganese (total) mg/L	Manganese (dissolved) ug/L	Manganese (total) ug/L	2-methyl-4-chlorophenoxyacetic acid / MCPA ug/L	Mercury (dissolved) ug/L	Mercury (total) ug/L	Methyl bromide (Bromomethane) ug/L	Methyl tert-butyl ether / MTBE ug/L	Molybdenum (dissolved) ug/L	Molybdenum (total) ug/L	Monochlorophenols (total) ug/L	Naphthalene ug/L	Nickel (dissolved) ug/L	Nickel (total) ug/L	Nitrate (as N) mg/L3	Nitrate + Nitrite (as N) mg/L	Nitrilotriacetic acid / NTA mg/L	Nitrite (as N) mg/L	Non-chlorinated Phenols ug/L
Aldergrove #7 well	01/14/2025	< 2.0	< 0.20	< 0.20	5.2	5.9	< 0.40	16.9	15.8		151	**160**		< 0.0019	< 0.0019	< 1.0	< 4.0	1.4	1.4		< 0.10	1.6	1.6	0.344	0.447	< 0.050	0.102	
Aldergrove #8 well	01/10/2024																											
Aldergrove #8 well	01/24/2024	< 2.0	< 0.20	< 0.20	3.6	3.6	< 0.40	12.8	11.7		203	**190**	< 0.020	0.0061	0.0075	< 1.0	< 4.0	1.7	1.6	< 0.080	< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	< 10
Aldergrove #8 well	04/24/2024																											
Aldergrove #8 well	07/16/2024																											
Aldergrove #8 well	08/22/2024	< 2.0	< 0.20	< 0.20	3.4	2.9	< 0.40	13.6	12.4		195	**178**	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	1.9	1.7	< 0.080	< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	< 10
Aldergrove #8 well	11/14/2024																											
Aldergrove #8 well	01/14/2025	< 2.0	< 0.20	< 0.20	3.2	3.7	< 0.40	13.9	12.8		192	**200**		< 0.0019	< 0.0019	< 1.0	< 4.0	1.7	1.7		< 0.10	< 1.0	< 1.0	< 0.020	< 0.020	< 0.050	< 0.0050	
Aldergrove #9 well	01/10/2024																											
Aldergrove #9 well	01/24/2024	< 2.0	0.22	< 0.20	< 2.0	< 2.0	< 0.40	11.0	10.5		1.4	1.6	< 0.020	< 0.030	< 0.030	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	3.99	3.99	< 0.050	< 0.0050	< 10
Aldergrove #9 well	04/24/2024																											
Aldergrove #9 well	07/16/2024																											
Aldergrove #9 well	08/22/2024	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	11.1	10.1		1.4	1.5	< 0.020	0.0088	0.0109	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	4.07	4.07	< 0.050	< 0.0050	< 10
Aldergrove #9 well	11/14/2024																											
Aldergrove #9 well	01/14/2025	< 2.0	< 0.20	< 0.20	< 2.0	< 2.0	< 0.40	11.9	11.0		1.5	1.7		0.0102	0.0111	< 1.0	< 4.0	< 1.0	< 1.0		< 0.10	< 1.0	< 1.0	4.51	4.51	< 0.050	< 0.0050	
AD (AWTP) Clear Well	01/24/2024	< 2.0	< 0.20	< 0.20	3.3	3.4	< 0.40	12.3	11.9	0.007	1.0	2.7	< 0.020	< 0.030	< 0.030	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	3.75	3.75	< 0.050	< 0.0050	< 10
AD (AWTP) Clear Well	08/22/2024	< 2.0	< 0.20	< 0.20	3.6	3.4	< 0.40	13.9	13.3	0.014	2.6	< 1.0	< 0.020	< 0.0019	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0	< 0.080	< 0.10	< 1.0	< 1.0	2.59	2.59	< 0.050	< 0.0050	< 10
AD (AWTP) Clear Well	01/14/2025	< 2.0	< 0.20	< 0.20	3.3	3.6	< 0.40	14.0	12.3	**0.032**	< 1.0	1.7		0.0020	< 0.0019	< 1.0	< 4.0	< 1.0	< 1.0		< 0.10	< 1.0	< 1.0	2.48	2.48	< 0.050	< 0.0050	

Sampling Point	Collection Date	o-Xylene ug/L	Pentachlorophenol / PCP ug/L	pH	pH 4	Phenanthrene ug/L	Phenol ug/L	Phosphorus (total) mg/L	Potassium (dissolved) mg/L	Potassium (total) mg/L	Pyrene ug/L	Quinoline ug/L	Selenium (dissolved) ug/L	Selenium (total) ug/L	Silicon (dissolved, as Si) ug/L	Silicon (total, as Si) ug/L	Silver (dissolved) ug/L	Silver (total) ug/L	Sodium (dissolved) mg/L	Sodium (total) mg/L	Strontium (dissolved) ug/L	Strontium (total) ug/L	Styrene ug/L	Sulfur (dissolved) mg/L	Sulfur (total) mg/L	Sulphate mg/L	Sulphide (total, as H2S) mg/L
Acadia #1 well	01/10/2024																										
Acadia #1 well	01/24/2024	< 0.40	< 0.10	8.13		< 0.050	< 0.50	0.33	2.67	2.33	< 0.020	< 0.020	< 0.10	< 0.10	13,000	11,700	< 0.020	< 0.020	15.9	13.0	61.5	56.2	< 0.50	< 3.0	< 3.0	5.0	< 0.0020
Acadia #1 well	02/07/2024																										
Acadia #1 well	04/24/2024																										
Acadia #1 well	07/16/2024																										
Acadia #1 well	08/22/2024	< 0.40	< 0.10	7.98		< 0.050	< 0.50	0.33	2.69	2.41	< 0.020	< 0.020	< 0.10	< 0.10	11,900	11,500	< 0.020	< 0.020	15.4	13.6	60.5	61.4	< 0.50	< 3.0	< 3.0	5.7	< 0.0020
Acadia #1 well	11/14/2024																										
Acadia #1 well	01/14/2025	< 0.40		7.99		< 0.050		0.35	2.74	2.67	< 0.020	< 0.020	< 0.10	< 0.10	11,800	12,000	< 0.020	< 0.020	16.6	15.2	58.2	64.1	< 0.50	< 3.0	< 3.0	5.5	< 0.0020
Acadia #2 well	01/10/2024																										
Acadia #2 well	01/24/2024	< 0.40	< 0.10	8.04		< 0.050	< 0.50	0.31	2.63	2.44	< 0.020	< 0.020	< 0.10	< 0.10	13,100	12,200	< 0.020	< 0.020	14.6	13.3	63.7	57.0	< 0.50	< 3.0	< 3.0	6.1	< 0.0020
Acadia #2 well	04/24/2024																										
Acadia #2 well	07/16/2024																										
Acadia #2 well	08/22/2024	< 0.40	< 0.10	8.00		< 0.050	< 0.50	0.33	2.68	2.38	< 0.020	< 0.020	< 0.10	< 0.10	12,100	11,800	< 0.020	< 0.020	15.4	13.9	62.1	58.3	< 0.50	< 3.0	< 3.0	6.5	< 0.0020
Acadia #2 well	11/14/2024																										
Acadia #2 well	01/14/2025	< 0.40		7.95		< 0.050		0.33	2.80	2.71	< 0.020	< 0.020	< 0.10	< 0.10	12,000	12,400	< 0.020	< 0.020	15.9	14.2	60.2	64.0	< 0.50	< 3.0	< 3.0	6.4	< 0.0020
Aldergrove #10 well	01/03/2024																										
Aldergrove #10 well	01/10/2024																										
Aldergrove #10 well	01/15/2024																										
Aldergrove #10 well	01/23/2024																										
Aldergrove #10 well	01/24/2024	< 0.40	< 0.10	6.70		< 0.050	< 0.50	0.011	0.992	0.933	< 0.020	< 0.020	0.14	0.12	11,000	10,500	< 0.020	< 0.020	6.07	5.69	206	193	< 0.50	11.8	10.4	38	< 0.0020
Aldergrove #10 well	02/12/2024																										
Aldergrove #10 well	02/20/2024																										
Aldergrove #10 well	03/04/2024																										
Aldergrove #10 well	03/11/2024																										
Aldergrove #10 well	03/18/2024																										
Aldergrove #10 well	04/15/2024																										
Aldergrove #10 well	04/24/2024																										

Sampling Point	Collection Date	o-Xylene ug/L	Pentachlorophenol / PCP ug/L	pH	pH 4	Phenanthrene ug/L	Phenol ug/L	Phosphorus (total) mg/L	Potassium (dissolved) mg/L	Potassium (total) mg/L	Pyrene ug/L	Quinoline ug/L	Selenium (dissolved) ug/L	Selenium (total) ug/L	Silicon (dissolved, as Si) ug/L	Silicon (total, as Si) ug/L	Silver (dissolved) ug/L	Silver (total) ug/L	Sodium (dissolved) mg/L	Sodium (total) mg/L	Strontium (dissolved) ug/L	Strontium (total) ug/L	Styrene ug/L	Sulfur (dissolved) mg/L	Sulfur (total) mg/L	Sulphate mg/L	Sulphide (total, as H2S) mg/L
Aldergrove #10 well	06/24/2024																										
Aldergrove #10 well	07/16/2024																										
Aldergrove #10 well	08/22/2024	< 0.40	< 0.10	6.88		< 0.050	< 0.50	0.013	1.02	0.905	< 0.020	< 0.020	0.14	0.13	10,300	10,400	< 0.020	< 0.020	6.43	5.88	190	180	< 0.50	11.8	8.5	36	< 0.0020
Aldergrove #10 well	10/01/2024																										
Aldergrove #10 well	11/04/2024																										
Aldergrove #10 well	11/14/2024																										
Aldergrove #10 well	01/14/2025	< 0.40		6.93		< 0.050		0.013	1.03	1.02	< 0.020	< 0.020	0.13	0.13	10,500	10,200	< 0.020	< 0.020	6.44	6.24	186	195	< 0.50	12.1	12.0	39	< 0.0020
Aldergrove #4 well	01/10/2024																										
Aldergrove #4 well	01/24/2024	< 0.40	< 0.10	7.93		< 0.050	< 0.50	0.0063	4.26	3.81	< 0.020	< 0.020	0.22	0.20	9,840	9,100	< 0.020	< 0.020	8.00	7.23	207	187	< 0.50	7.0	6.0	22	< 0.0020
Aldergrove #4 well	04/24/2024																										
Aldergrove #4 well	07/16/2024																										
Aldergrove #4 well	08/22/2024	< 0.40	< 0.10	7.98		< 0.050	< 0.50	0.0069	4.37	3.66	< 0.020	< 0.020	0.24	0.19	9,240	8,930	< 0.020	< 0.020	8.72	7.37	189	172	< 0.50	7.8	6.0	21	< 0.0020
Aldergrove #4 well	11/14/2024																										
Aldergrove #4 well	01/14/2025	< 0.40		7.94		< 0.050		0.0092	4.46	4.29	< 0.020	< 0.020	0.24	0.22	9,210	9,070	< 0.020	< 0.020	8.87	8.43	195	196	< 0.50	7.7	7.1	22	< 0.0020
Aldergrove #6 well	01/10/2024																										
Aldergrove #6 well	01/24/2024	< 0.40	< 0.10	8.05		< 0.050	< 0.50	0.0062	4.89	4.57	< 0.020	< 0.020	< 0.10	< 0.10	7,290	7,140	< 0.020	< 0.020	13.2	12.3	213	195	< 0.50	12.1	9.7	36	< 0.0020
Aldergrove #6 well	04/24/2024																										
Aldergrove #6 well	07/16/2024																										
Aldergrove #6 well	08/22/2024	< 0.40	< 0.10	8.07		< 0.050	< 0.50	0.0053	5.12	4.40	< 0.020	< 0.020	< 0.10	< 0.10	6,860	6,690	< 0.020	< 0.020	14.2	12.2	213	192	< 0.50	15.9	13.0	46	< 0.0020
Aldergrove #6 well	11/14/2024																										
Aldergrove #6 well	01/14/2025	< 0.40		8.06		< 0.050		0.0079	5.15	4.71	< 0.020	< 0.020	< 0.10	< 0.10	6,780	6,630	< 0.020	< 0.020	13.9	12.7	202	200	< 0.50	13.1	11.4	39	< 0.0020
Aldergrove #7 well	01/10/2024																										
Aldergrove #7 well	01/24/2024	< 0.40	< 0.10	8.07		< 0.050	< 0.50	0.0061	4.72	4.50	< 0.020	< 0.020	0.14	0.13	6,700	6,750	< 0.020	< 0.020	10.7	10.3	228	216	< 0.50	16.8	15.0	52	< 0.0020
Aldergrove #7 well	04/24/2024																										
Aldergrove #7 well	07/16/2024																										
Aldergrove #7 well	08/22/2024	< 0.40	< 0.10	8.12		< 0.050	< 0.50	0.0067	5.03	4.26	< 0.020	< 0.020	0.17	0.12	6,430	6,360	< 0.020	< 0.020	11.4	9.83	220	199	< 0.50	17.8	14.5	50	< 0.0020
Aldergrove #7 well	11/14/2024																										

Sampling Point	Collection Date	o-Xylene ug/L	Pentachlorophenol / PCP ug/L	pH	pH 4	Phenanthrene ug/L	Phenol ug/L	Phosphorus (total) mg/L	Potassium (dissolved) mg/L	Potassium (total) mg/L	Pyrene ug/L	Quinoline ug/L	Selenium (dissolved) ug/L	Selenium (total) ug/L	Silicon (dissolved, as Si) ug/L	Silicon (total, as Si) ug/L	Silver (dissolved) ug/L	Silver (total) ug/L	Sodium (dissolved) mg/L	Sodium (total) mg/L	Strontium (dissolved) ug/L	Strontium (total) ug/L	Styrene ug/L	Sulfur (dissolved) mg/L	Sulfur (total) mg/L	Sulphate mg/L	Sulphide (total, as H2S) mg/L
Aldergrove #7 well	01/14/2025	< 0.40		8.02		< 0.050		0.0078	4.99	4.75	< 0.020	< 0.020	0.14	0.12	6,410	6,050	< 0.020	< 0.020	11.2	10.4	207	217	< 0.50	17.7	15.9	53	< 0.0020
Aldergrove #8 well	01/10/2024																										
Aldergrove #8 well	01/24/2024	< 0.40	< 0.10	8.07		< 0.050	< 0.50	0.010	3.53	3.24	< 0.020	< 0.020	< 0.10	< 0.10	7,860	7,310	< 0.020	< 0.020	11.1	9.97	155	141	< 0.50	10.3	8.8	33	< 0.0020
Aldergrove #8 well	04/24/2024																										
Aldergrove #8 well	07/16/2024																										
Aldergrove #8 well	08/22/2024	< 0.40	< 0.10	8.06		< 0.050	< 0.50	0.012	3.69	3.27	< 0.020	< 0.020	< 0.10	< 0.10	7,390	7,640	< 0.020	< 0.020	12.3	11.1	147	135	< 0.50	11.5	9.8	34	< 0.0020
Aldergrove #8 well	11/14/2024																										
Aldergrove #8 well	01/14/2025	< 0.40		8.05		< 0.050		0.013	3.76	3.59	< 0.020	< 0.020	< 0.10	< 0.10	7,270	7,150	< 0.020	< 0.020	11.9	11.2	146	155	< 0.50	11.1	10.2	33	< 0.0020
Aldergrove #9 well	01/10/2024																										
Aldergrove #9 well	01/24/2024	< 0.40	< 0.10	6.57		< 0.050	< 0.50	0.011	1.15	1.09	< 0.020	< 0.020	< 0.10	< 0.10	10,900	10,500	< 0.020	< 0.020	6.93	6.48	260	248	< 0.50	13.3	12.1	42	< 0.0020
Aldergrove #9 well	04/24/2024																										
Aldergrove #9 well	07/16/2024																										
Aldergrove #9 well	08/22/2024	< 0.40	< 0.10	6.78		< 0.050	< 0.50	0.012	1.17	0.977	< 0.020	< 0.020	< 0.10	< 0.10	9,980	9,890	< 0.020	< 0.020	7.23	6.49	238	215	< 0.50	12.2	10.8	37	< 0.0020
Aldergrove #9 well	11/14/2024																										
Aldergrove #9 well	01/14/2025	< 0.40		6.87		< 0.050		0.014	1.21	1.19	< 0.020	< 0.020	< 0.10	< 0.10	10,100	10,100	< 0.020	< 0.020	7.43	7.04	240	256	< 0.50	12.1	10.8	36	< 0.0020
AD (AWTP) Clear Well	01/24/2024	< 0.40	< 0.10	7.74	7.21	< 0.050	< 0.50	0.0071	3.23	3.22	< 0.020	< 0.020	< 0.10	< 0.10	8,240	8,200	< 0.020	< 0.020	14.1	13.9	188	192	< 0.50	12.2	11.3	39	< 0.0020
AD (AWTP) Clear Well	08/22/2024	< 0.40	< 0.10	7.75	7.36	< 0.050	< 0.50	0.0078	3.58	3.38	< 0.020	< 0.020	< 0.10	< 0.10	7,880	8,390	< 0.020	< 0.020	14.7	14.3	196	186	< 0.50	13.3	11.5	39	< 0.0020
AD (AWTP) Clear Well	01/14/2025	< 0.40		7.65	6.90	< 0.050		0.0093	3.58	3.26	< 0.020	< 0.020	< 0.10	< 0.10	7,580	7,230	< 0.020	< 0.020	14.1	12.3	183	183	< 0.50	12.9	11.3	38	< 0.0020

Sampling Point	Collection Date	Sulphide (total, as S) mg/L	Tetrachloroethylene / PCE ug/L	Thallium (dissolved) ug/L	Thallium (total) ug/L	Tin (dissolved) ug/L	Tin (total) ug/L	Titanium (dissolved) ug/L	Titanium (total) ug/L	Toluene ug/L	Total Coliforms (counts) CFU/100ml	Total Dissolved Solids / TDS mg/L	Total HMW PAH ug/L	Total LMW PAH ug/L	Total Organic Carbon / TOC mg/L	Total PAH ug/L	Total Tetrachlorophenols ug/L	Total Trichlorophenols ug/L	Xylenes (total) ug/L	trans-1,2-Dichloroethylene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethylene / TCE ug/L	Trichlorofluoromethane ug/L	Turbidity NTU	Uranium (dissolved) ug/L	Uranium (total) ug/L	Vanadium (dissolved) ug/L	Vanadium (total) ug/L
Acadia #1 well	01/10/2024										0																	
Acadia #1 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		120	< 0.050	< 0.10	0.81	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.16	< 0.10	< 0.10	< 5.0	< 5.0
Acadia #1 well	02/07/2024																											
Acadia #1 well	04/24/2024										0																	
Acadia #1 well	07/16/2024										0																	
Acadia #1 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		140	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	< 0.10	< 0.10	< 0.10	< 5.0	< 5.0
Acadia #1 well	11/14/2024										0																	
Acadia #1 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	120	< 0.050	< 0.10	< 0.50	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.18	< 0.10	< 0.10	< 5.0	< 5.0
Acadia #2 well	01/10/2024										0																	
Acadia #2 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		120	< 0.050	< 0.10	1.0	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.27	< 0.10	< 0.10	< 5.0	< 5.0
Acadia #2 well	04/24/2024										0																	
Acadia #2 well	07/16/2024										0																	
Acadia #2 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		130	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.12	< 0.10	< 0.10	< 5.0	< 5.0
Acadia #2 well	11/14/2024										0																	
Acadia #2 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	110	< 0.050	< 0.10	1.7	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.30	< 0.10	< 0.10	< 5.0	< 5.0
Aldergrove #10 well	01/03/2024																											
Aldergrove #10 well	01/10/2024										0																	
Aldergrove #10 well	01/15/2024																											
Aldergrove #10 well	01/23/2024																											
Aldergrove #10 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		240	< 0.050	< 0.10	0.66	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	< 0.10	0.12	0.10	< 5.0	< 5.0
Aldergrove #10 well	02/12/2024																											
Aldergrove #10 well	02/20/2024																											
Aldergrove #10 well	03/04/2024																											
Aldergrove #10 well	03/11/2024																											
Aldergrove #10 well	03/18/2024																											
Aldergrove #10 well	04/15/2024																											
Aldergrove #10 well	04/24/2024										0																	

Sampling Point	Collection Date	Sulphide (total, as S) mg/L	Tetrachloroethylene / PCE ug/L	Thallium (dissolved) ug/L	Thallium (total) ug/L	Tin (dissolved) ug/L	Tin (total) ug/L	Titanium (dissolved) ug/L	Titanium (total) ug/L	Toluene ug/L	Total Coliforms (counts) CFU/100ml	Total Dissolved Solids / TDS mg/L	Total HMW PAH ug/L	Total LMW PAH ug/L	Total Organic Carbon / TOC mg/L	Total PAH ug/L	Total Tetrachlorophenols ug/L	Total Trichlorophenols ug/L	Xylenes (total) ug/L	trans-1,2-Dichloroethylene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethylene / TCE ug/L	Trichlorofluoromethane ug/L	Turbidity NTU	Uranium (dissolved) ug/L	Uranium (total) ug/L	Vanadium (dissolved) ug/L	Vanadium (total) ug/L
Aldergrove #10 well	06/24/2024																											
Aldergrove #10 well	07/16/2024										0																	
Aldergrove #10 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		250	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	< 0.10	0.11	0.12	< 5.0	< 5.0
Aldergrove #10 well	10/01/2024																											
Aldergrove #10 well	11/04/2024																											
Aldergrove #10 well	11/14/2024										0																	
Aldergrove #10 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	220	< 0.050	< 0.10	< 0.50	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	< 0.10	0.11	0.12	< 5.0	< 5.0
Aldergrove #4 well	01/10/2024										0																	
Aldergrove #4 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		230	< 0.050	< 0.10	1.1	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	**1.9**	0.17	0.16	< 5.0	< 5.0
Aldergrove #4 well	04/24/2024										0																	
Aldergrove #4 well	07/16/2024										0																	
Aldergrove #4 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		240	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	**1.8**	0.16	0.17	< 5.0	< 5.0
Aldergrove #4 well	11/14/2024										0																	
Aldergrove #4 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	240	< 0.050	< 0.10	< 0.50	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	**2.0**	0.18	0.18	< 5.0	< 5.0
Aldergrove #6 well	01/10/2024										0																	
Aldergrove #6 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		250	< 0.050	< 0.10	0.86	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.45	0.57	0.51	< 5.0	< 5.0
Aldergrove #6 well	04/24/2024										0																	
Aldergrove #6 well	07/16/2024										0																	
Aldergrove #6 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		270	< 0.050	< 0.10	0.62	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.74	0.63	0.67	< 5.0	< 5.0
Aldergrove #6 well	11/14/2024										0																	
Aldergrove #6 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	240	< 0.050	< 0.10	0.86	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.28	0.54	0.54	< 5.0	< 5.0
Aldergrove #7 well	01/10/2024										0																	
Aldergrove #7 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		280	< 0.050	< 0.10	0.94	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.15	1.00	0.95	< 5.0	< 5.0
Aldergrove #7 well	04/24/2024										0																	
Aldergrove #7 well	07/16/2024										0																	
Aldergrove #7 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		280	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.24	0.94	0.97	< 5.0	< 5.0
Aldergrove #7 well	11/14/2024										0																	

Sampling Point	Collection Date	Sulphide (total, as S) mg/L	Tetrachloroethylene / PCE ug/L	Thallium (dissolved) ug/L	Thallium (total) ug/L	Tin (dissolved) ug/L	Tin (total) ug/L	Titanium (dissolved) ug/L	Titanium (total) ug/L	Toluene ug/L	Total Coliforms (counts) CFU/100ml	Total Dissolved Solids / TDS mg/L	Total HMW PAH ug/L	Total LMW PAH ug/L	Total Organic Carbon / TOC mg/L	Total PAH ug/L	Total Tetrachlorophenols ug/L	Total Trichlorophenols ug/L	Xylenes (total) ug/L	trans-1,2-Dichloroethylene ug/L	trans-1,3-Dichloropropene ug/L	Trichloroethylene / TCE ug/L	Trichlorofluoromethane ug/L	Turbidity NTU	Uranium (dissolved) ug/L	Uranium (total) ug/L	Vanadium (dissolved) ug/L	Vanadium (total) ug/L
Aldergrove #7 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	260	< 0.050	< 0.10	0.64	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.37	0.99	1.07	< 5.0	< 5.0
Aldergrove #8 well	01/10/2024										0																	
Aldergrove #8 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		230	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.38	0.47	0.42	< 5.0	< 5.0
Aldergrove #8 well	04/24/2024										0																	
Aldergrove #8 well	07/16/2024										0																	
Aldergrove #8 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		220	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.28	0.40	0.42	< 5.0	< 5.0
Aldergrove #8 well	11/14/2024										0																	
Aldergrove #8 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	200	< 0.050	< 0.10	< 0.50	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.41	0.50	0.54	< 5.0	< 5.0
Aldergrove #9 well	01/10/2024										0																	
Aldergrove #9 well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		220	< 0.050	< 0.10	1.1	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.11	< 0.10	< 0.10	< 5.0	< 5.0
Aldergrove #9 well	04/24/2024										0																	
Aldergrove #9 well	07/16/2024										0																	
Aldergrove #9 well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		210	< 0.050	< 0.10	0.78	< 0.10	< 0.10	< 0.10	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.48	< 0.10	< 0.10	< 5.0	< 5.0
Aldergrove #9 well	11/14/2024										0																	
Aldergrove #9 well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	210	< 0.050	< 0.10	0.83	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	< 0.10	< 0.10	< 0.10	< 5.0	< 5.0
AD (AWTP) Clear Well	01/24/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		240	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	0.36	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.10	0.48	0.46	< 5.0	< 5.0
AD (AWTP) Clear Well	08/22/2024	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		250	< 0.050	< 0.10	< 0.50	< 0.10	< 0.10	0.17	< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	< 0.10	0.45	0.51	< 5.0	< 5.0
AD (AWTP) Clear Well	01/14/2025	< 0.0018	< 0.50	< 0.010	< 0.010	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40	0	240	< 0.050	< 0.10	0.67	< 0.10			< 0.40	< 1.0	< 1.0	< 0.50	< 4.0	0.16	0.48	0.47	< 5.0	< 5.0

Sampling Point	Collection Date	Vinyl chloride ug/L	Volatile Hydrocarbons water C6-C10 (VHw) ug/L	Volatile Petroleum Hydrocarbons C06-C10 (less BTEX) ug/L	Zinc (dissolved) ug/L	Zinc (total) ug/L	Zirconium (dissolved) ug/L	Zirconium (total) ug/L
Acadia #1 well	01/10/2024							
Acadia #1 well	01/24/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Acadia #1 well	02/07/2024							
Acadia #1 well	04/24/2024							
Acadia #1 well	07/16/2024							
Acadia #1 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Acadia #1 well	11/14/2024							
Acadia #1 well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Acadia #2 well	01/10/2024							
Acadia #2 well	01/24/2024	< 0.50	< 300	< 300	21.8	< 5.0	< 0.10	< 0.10
Acadia #2 well	04/24/2024							
Acadia #2 well	07/16/2024							
Acadia #2 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Acadia #2 well	11/14/2024							
Acadia #2 well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #10 well	01/03/2024							
Aldergrove #10 well	01/10/2024							
Aldergrove #10 well	01/15/2024							
Aldergrove #10 well	01/23/2024							
Aldergrove #10 well	01/24/2024	< 0.50	< 300	< 300	8.3	< 5.0	< 0.10	< 0.10
Aldergrove #10 well	02/12/2024							
Aldergrove #10 well	02/20/2024							
Aldergrove #10 well	03/04/2024							
Aldergrove #10 well	03/11/2024							
Aldergrove #10 well	03/18/2024							
Aldergrove #10 well	04/15/2024							
Aldergrove #10 well	04/24/2024							

Sampling Point	Collection Date	Vinyl chloride ug/L	Volatile Hydrocarbons water C6-C10 (VHw) ug/L	Volatile Petroleum Hydrocarbons C06-C10 (less BTEX) ug/L	Zinc (dissolved) ug/L	Zinc (total) ug/L	Zirconium (dissolved) ug/L	Zirconium (total) ug/L
Aldergrove #10 well	06/24/2024							
Aldergrove #10 well	07/16/2024							
Aldergrove #10 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #10 well	10/01/2024							
Aldergrove #10 well	11/04/2024							
Aldergrove #10 well	11/14/2024							
Aldergrove #10 well	01/14/2025	< 0.50	< 300	< 300	5.1	< 5.0	< 0.10	< 0.10
Aldergrove #4 well	01/10/2024							
Aldergrove #4 well	01/24/2024	< 0.50	< 300	< 300	16.5	< 5.0	< 0.10	< 0.10
Aldergrove #4 well	04/24/2024							
Aldergrove #4 well	07/16/2024							
Aldergrove #4 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #4 well	11/14/2024							
Aldergrove #4 well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #6 well	01/10/2024							
Aldergrove #6 well	01/24/2024	< 0.50	< 300	< 300	17.7	< 5.0	< 0.10	< 0.10
Aldergrove #6 well	04/24/2024							
Aldergrove #6 well	07/16/2024							
Aldergrove #6 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #6 well	11/14/2024							
Aldergrove #6 well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #7 well	01/10/2024							
Aldergrove #7 well	01/24/2024	< 0.50	< 300	< 300	7.2	< 5.0	< 0.10	< 0.10
Aldergrove #7 well	04/24/2024							
Aldergrove #7 well	07/16/2024							
Aldergrove #7 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #7 well	11/14/2024							

Sampling Point	Collection Date	Vinyl chloride ug/L	Volatile Hydrocarbons water C6-C10 (VHw) ug/L	Volatile Petroleum Hydrocarbons C06-C10 (less BTEX) ug/L	Zinc (dissolved) ug/L	Zinc (total) ug/L	Zirconium (dissolved) ug/L	Zirconium (total) ug/L
Aldergrove #7 well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #8 well	01/10/2024							
Aldergrove #8 well	01/24/2024	< 0.50	< 300	< 300	9.6	< 5.0	< 0.10	< 0.10
Aldergrove #8 well	04/24/2024							
Aldergrove #8 well	07/16/2024							
Aldergrove #8 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #8 well	11/14/2024							
Aldergrove #8 well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #9 well	01/10/2024							
Aldergrove #9 well	01/24/2024	< 0.50	< 300	< 300	7.9	5.1	< 0.10	< 0.10
Aldergrove #9 well	04/24/2024							
Aldergrove #9 well	07/16/2024							
Aldergrove #9 well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
Aldergrove #9 well	11/14/2024							
Aldergrove #9 well	01/14/2025	< 0.50	< 300	< 300	25.3	9.8	< 0.10	< 0.10
AD (AWTP) Clear Well	01/24/2024	< 0.50	< 300	< 300	8.7	< 5.0	< 0.10	< 0.10
AD (AWTP) Clear Well	08/22/2024	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10
AD (AWTP) Clear Well	01/14/2025	< 0.50	< 300	< 300	< 5.0	< 5.0	< 0.10	< 0.10

Analysis	Units	TOL-463	TOL-467	TOL-469	TOL-691	TOL-694	TOL-463	TOL-467	TOL-469	TOL-691	TOL-694
		19951 - 99A Ave.	7025 - 208 Street	5679 - 211 Street	26829 - 60 Avenue	23752 - 52 Avenue	19951 - 99A Ave.	7025 - 208 Street	5679 - 211 Street	26829 - 60 Avenue	23752 - 52 Avenue
		16/04/2024 12:10	16/04/2024 11:25	16/04/2024 10:50	16/04/2024 10:10	16/04/2024 9:20	08/10/2024 12:30	08/10/2024 11:45	08/10/2024 8:45	08/10/2024 10:55	08/10/2024 9:40
		GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
Aluminum Total	µg/L	79	72	80	79	80	58	57	70	67	66
Antimony Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Barium Total	µg/L	2.1	2.1	2.0	2.1	2.2	2.2	2.2	2.1	2.4	2.3
Boron Total	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cadmium Total	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Calcium Total	µg/L	863	831	1090	1060	976	873	878	1080	1130	982
Chromium Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper Total	µg/L	3.3	2.4	1.7	1.2	4.3	2.4	2.4	1.3	1.1	4.2
Iron Total	µg/L	44	40	41	40	42	41	40	43	45	48
Lead Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	µg/L	99	99	92	95	95	92	91	84	91	92
Manganese Total	µg/L	4.9	1.7	2.1	3.1	2.5	4.2	1.8	2.9	3.9	4.2
Mercury Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Potassium Total	µg/L	120	114	123	121	121	122	122	126	130	127
Selenium Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sodium Total	µg/L	10600	10300	11000	10600	10300	11100	10500	10500	11100	10800
Zinc Total	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

		THM (ppb)						HAA (ppb)						
Sample	Date Sampled	Bromodichloromethane	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes	Total THM Quarterly Average (Guideline Limit 100 ppb)	Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	Total Haloacetic Acid	Total HAA Quarterly Average (Guideline Limit 80 ppb)
TOL-463	30-Jan-24	<1	<1	<1	24	24	21	<0.5	11	<0.5	<0.5	14	24	21
TOL-463	23-Apr-24	<1	<1	<1	22	23	23	<0.5	9.7	<0.5	<0.5	10	20	22
TOL-463	9-Sep-24	<1	<1	<1	28	28	25	<0.5	11	<0.5	<0.5	10	21	22
TOL-463	26-Nov-24	<1	<1	<1	27	27	25	<0.5	13	<0.5	0.7	14	28	22
TOL-465	30-Jan-24	<1	<1	<1	32	33	32	<0.5	2.5	<0.5	<0.5	13	15	15
TOL-465	23-Apr-24	<1	<1	<1	31	32	32	<0.5	1.7	<0.5	<0.5	11	13	15
TOL-465	9-Sep-24	<1	<1	<1	38	39	35	<0.5	0.9	<0.5	<0.5	9.5	10	14
TOL-465	26-Nov-24	1	<1	<1	31	33	35	<0.5	7.1	<0.5	<0.5	20	27	13
TOL-469	30-Jan-24	<1	<1	<1	45	46	35	<0.5	8.2	<0.5	<0.5	25	33	27
TOL-469	23-Apr-24	<1	<1	<1	30	31	36	<0.5	5.6	<0.5	<0.5	17	22	28
TOL-469	9-Sep-24	<1	<1	<1	43	44	40	<0.5	5.4	<0.5	<0.5	23	29	29
TOL-469	26-Nov-24	<1	<1	<1	38	39	40	<0.5	5	<0.5	<0.5	23	28	28
TOL-691	30-Jan-24	<1	<1	<1	32	33	31	<0.5	2.5	<0.5	<0.5	28	31	28
TOL-691	23-Apr-24	<1	<1	<1	34	35	32	<0.5	1.2	<0.5	<0.5	25	26	28
TOL-691	9-Sep-24	<1	<1	<1	45	46	37	<0.5	3.3	<0.5	<0.5	26	29	30
TOL-691	26-Nov-24	1	<1	<1	35	37	38	<0.5	3.1	<0.5	<0.5	34	37	29
TOL-694	30-Jan-24	<1	<1	<1	33	34	32	<0.5	11	<0.5	<0.5	26	37	33
TOL-694	23-Apr-24	<1	<1	<1	30	32	33	<0.5	8.1	<0.5	<0.5	23	31	34
TOL-694	9-Sep-24	<1	<1	<1	43	44	38	<0.5	8.9	<0.5	<0.5	27	36	36
TOL-694	26-Nov-24	1	<1	<1	34	36	37	<0.5	9.8	<0.5	0.6	36	46	35

Sampling Point	Collection Date	Chlorine (free) mg/L	Colour TCU	Conductivity uS/cm	Escherichia coli / E. coli (counts) CFU/100ml	Heterotrophic Plate Count / HPC CFU/ml	pH	Temperature degrees C	Total Coliforms (counts) CFU/100ml	Turbidity NTU
Brown Park - treated	01/02/2024		< 2.0	256	0	< 1.0	7.33**	14.0	0	0.24
Brown Park - treated	01/09/2024		< 2.0	160.7	0	< 1.0	8.03**	14.1	0	0.31
Brown Park - treated	01/16/2024	0.66	3.2	235	0	< 1.0	7.52**	12.5	0	0.17
Brown Park - treated	01/23/2024		2.2**	211.1**	0**	1.2**	**7.54****	12.2**	0**	0.14**
Brown Park - treated	01/24/2024		2.3				8.25			0.58
Brown Park - treated	01/30/2024		1**	216**	0**	1.2**	7.40**	14.8**	0**	0.14**
Brown Park - treated	02/06/2024	**0.00**	< 2.0	250	0	< 1.0	7.59**	13.4	0	0.25
Brown Park - treated	02/07/2024		3.0				7.94			1.1
Brown Park - treated	02/13/2024		1**	184.4**	0**	0.8**	7.40**	12.5**	0**	0.28**
Brown Park - treated	02/20/2024		1**	213.8**	0**	0.5**	7.21**	12.3**	0**	0.14**
Brown Park - treated	02/27/2024		2.0	257	0	< 1.0	7.50**	10.6	0	0.23
Brown Park - treated	03/05/2024		< 2.0	165	0	< 1.0	8.15**	12.2	0	0.21
Brown Park - treated	03/12/2024		< 2.0	166.5	0	< 1.0	8.18**	11.0	0	0.21
Brown Park - treated	03/19/2024		< 2.0	178.8	0	< 1.0	8.12**	13.7	0	0.29
Brown Park - treated	03/26/2024		< 2.0	229	0	< 1.0	7.52**	12.6	0	0.22
Brown Park - treated	04/02/2024		2.3	162.5	0	< 1.0	8.15**	**16.0**	0	0.21
Brown Park - treated	04/09/2024		2.8	165.1	0	< 1.0	8.14**	14.0	0	0.16
Brown Park - treated	04/16/2024		7.0	180	0	< 1.0	7.88**	11.1	0	0.28
Brown Park - treated	04/23/2024		< 2.0	174.6	0	< 1.0	8.02**	14.3	0	0.23
Brown Park - treated	04/30/2024		< 2.0	153.6	0	< 1.0	8.03**	12.5	0	0.27
Brown Park - treated	05/07/2024		< 2.0	152.9	0	< 1.0	8.18**	13.3	0	0.35
Brown Park - treated	05/14/2024		< 2.0	152.1	0	< 1.0	8.08**	14.7	0	0.30
Brown Park - treated	05/21/2024		< 2.0	167.6	0	< 1.0	8.03**	**16.8**	0	0.35
Brown Park - treated	05/28/2024		< 2.0	166.6	0	< 1.0	7.79**	**16.5**	0	0.20
Brown Park - treated	06/04/2024		2.1	152.5	0	< 1.0	8.10**	13.0	0	0.31
Brown Park - treated	06/11/2024		2.2	258	0	< 1.0	7.66**	**16.8**	0	0.25
Brown Park - treated	06/18/2024		2.2	253	0	< 1.0	7.72**	**15.6**	0	0.18
Brown Park - treated	06/25/2024	**0.02**	< 2.0	174.4	0	< 1.0	7.98**	**16.6**	0	0.25
Brown Park - treated	07/02/2024		< 2.0	252	0	< 1.0	7.70**	**15.7**	0	0.42
Brown Park - treated	07/09/2024		< 2.0	167.1	0	< 1.0	7.90**	**18.0**	0	0.24
Brown Park - treated	07/16/2024		2.5	166.2	0	< 1.0	7.88**	**17.7**	0	0.64
Brown Park - treated	07/23/2024		< 2.0	165.9	0	< 1.0	8.06**	**17.2**	0	0.45
Brown Park - treated	07/30/2024		2.1	179.9	0	< 1.0	7.90**	12.8	0	0.25
Brown Park - treated	08/06/2024	**0.01**	2.1	166.0	0	< 1.0	8.00**	**16.2**	0	0.37
Brown Park - treated	08/13/2024		2.1	152.5	0	< 1.0	7.94**	**18.0**	0	0.52
Brown Park - treated	08/20/2024		< 2.0	166.6	0	< 1.0	7.71**	**17.0**	0	0.70
Brown Park - treated	08/22/2024		< 2.0				7.82			1.2
Brown Park - treated	08/27/2024		2.7	151	0	< 1.0	8.04**	14.6	0	0.25
Brown Park - treated	09/03/2024		< 2.0	251	0	< 1.0	**7.25****	**15.8**	0	0.57
Brown Park - treated	09/10/2024		3.2	163.7	0	< 1.0	7.98**	**19.1**	0	0.43
Brown Park - treated	09/17/2024		3.1	169.4	0	< 1.0	7.96	**15.5**	0	0.39
Brown Park - treated	09/24/2024	**0.00**	2.9	164.7	0	< 1.0	7.87	**17.1**	0	0.29
Brown Park - treated	10/01/2024		4.2	172.4	0	< 1.0	8.25	14.5	0	0.50
Brown Park - treated	10/08/2024		< 2.0	154.5	0	< 1.0	7.91	13.9	0	0.32
Brown Park - treated	10/15/2024		< 2.0	233	0	< 1.0	7.31	**15.4**	0	0.28
Brown Park - treated	10/22/2024		< 2.0	173.0	0	< 1.0	8.13	15.0	0	0.26
Brown Park - treated	10/29/2024		4.2	145.0	0	1.0	8.05	**17.0**	0	0.29
Brown Park - treated	11/05/2024		< 2.0	156.6	0	< 1.0	7.66	11.5	0	0.22
Brown Park - treated	11/12/2024		< 2.0	168	0	< 1.0	7.94	14.3	0	0.65
Brown Park - treated	11/19/2024		< 2.0	153.8	0	< 1.0	7.66	12.5	0	0.25
Brown Park - treated	11/26/2024		< 2.0	160.3	0	< 1.0	7.98**	11.0	0	0.51
Brown Park - treated	12/03/2024		2.4	132.8	0	< 1.0	7.98	13.2	0	0.28
Brown Park - treated	12/10/2024		3.0	270	0	< 1.0	6.50	12.8	0	0.65
Brown Park - treated	12/17/2024		2.9	149.6	0	< 1.0	8.08	13.0	0	0.21
Brown Park - treated	12/23/2024		< 2.0	153.0	0	< 1.0	8.08	**15.2**	0	0.26
Brown Park - treated	12/30/2024		< 2.0	180	0	< 1.0	8.35	14.2	0	0.14
Ponder Park	01/10/2024				0				0	
Ponder Park	01/24/2024		< 2.0				8.03			0.19
Ponder Park	04/24/2024				0				0	
Ponder Park	11/14/2024				0				0	
Williams Park - Treated	01/02/2024		< 2.0	170.0	0	< 1.0	**7.10****	14.2	0	< 0.10
Williams Park - Treated	01/16/2024	**0.02**	< 2.0	153.7	0	< 1.0	**7.26****	9.7	0	< 0.10
Williams Park - Treated	01/24/2024		< 2.0				8.03			0.29
Williams Park - Treated	02/06/2024		< 2.0	165.4	0	< 1.0	7.24**	14.1	0	< 0.10
Williams Park - Treated	02/07/2024		2.1				8.07			0.69

Sampling Point	Collection Date	Chlorine (free) mg/L	Colour TCU	Conductivity uS/cm	Escherichia coli / E. coli (counts) CFU/100ml	Heterotrophic Plate Count / HPC CFU/ml	pH	Temperature degrees C	Total Coliforms (counts) CFU/100ml	Turbidity NTU
Williams Park - Treated	02/27/2024		< 2.0	169.2	0	< 1.0	7.26**	11.0	0	< 0.10
Williams Park - Treated	03/05/2024		< 2.0	264	0	< 1.0	**6.32****	11.8	0	< 0.10
Williams Park - Treated	03/12/2024		< 2.0	260.0	0	< 1.0	**6.58****	12.0	0	< 0.10
Williams Park - Treated	03/19/2024		< 2.0	287	0	< 1.0	**6.72****	11.5	0	< 0.10
Williams Park - Treated	03/26/2024		< 2.0	150.4	0	< 1.0	7.25**	**15.9**	0	< 0.10
Williams Park - Treated	04/02/2024		< 2.0	252.0	0	< 1.0	**6.63****	15.0	0	< 0.10
Williams Park - Treated	04/09/2024		< 2.0	250.0	0	< 1.0	**6.28****	12.5	0	0.12
Williams Park - Treated	04/16/2024		2.2	289	0	1.0	6.88**	12.8	0	< 0.10
Williams Park - Treated	04/23/2024		< 2.0	258	0	< 1.0	**6.67****	14.4	0	< 0.10
Williams Park - Treated	04/30/2024		< 2.0	239	0	< 1.0	6.72**	13.8	0	< 0.10
Williams Park - Treated	05/07/2024		2.4	242	0	< 1.0	**6.24****	13.8	0	< 0.10
Williams Park - Treated	05/14/2024		< 2.0	236	0	< 1.0	**6.56****	14.2	0	0.12
Williams Park - Treated	05/21/2024		< 2.0	264	0	< 1.0	7.00**	**15.3**	0	< 0.10
Williams Park - Treated	05/28/2024		< 2.0	265	0	< 1.0	7.23**	**18**	0	< 0.10
Williams Park - Treated	06/04/2024		< 2.0	237.0	0	< 1.0	6.87**	15.0	0	< 0.10
Williams Park - Treated	06/11/2024		< 2.0	166.8	0	< 1.0	**7.10****	**16.3**	0	< 0.10
Williams Park - Treated	06/18/2024		< 2.0	165.6	0	< 1.0	**7.04****	**15.8**	0	< 0.10
Williams Park - Treated	06/25/2024	**0.02**	< 2.0	263	0	< 1.0	**6.46****	**16.2**	0	< 0.10
Williams Park - Treated	07/02/2024		< 2.0	166.5	0	< 1.0	7.18**	**16.0**	0	< 0.10
Williams Park - Treated	07/09/2024		< 2.0	251	0	< 1.0	6.62**	**17.0**	0	0.11
Williams Park - Treated	07/16/2024		< 2.0	254	0	< 1.0	7.16**	**16.4**	0	< 0.10
Williams Park - Treated	07/23/2024		< 2.0	257	0	< 1.0	7.25**	14.3	0	0.10
Williams Park - Treated	07/30/2024		2.1	269	0	< 1.0	**6.80****	11.9	0	0.20
Williams Park - Treated	08/06/2024	**0.02**	2.4	265.0	0	< 1.0	6.99**	0.02	0	< 0.10
Williams Park - Treated	08/13/2024		< 2.0	230.0	0	< 1.0	6.89**	**16.5**	0	0.13
Williams Park - Treated	08/20/2024	0.30	< 2.0	234	0	< 1.0	**6.52****	**17.4**	0	0.11
Williams Park - Treated	08/22/2024		< 2.0				**6.28**			0.25
Williams Park - Treated	08/27/2024		< 2.0	235	0	< 1.0	6.78**	14.1	0	0.11
Williams Park - Treated	09/03/2024		< 2.0	167.8	0	< 1.0	7.50**	**15.9**	0	0.15
Williams Park - Treated	09/10/2024		< 2.0	247	0	< 1.0	7.34**	**18.0**	0	0.15
Williams Park - Treated	09/17/2024		1**	256	0	< 1.0	7.68**	**15.4**	0	0.24**
Williams Park - Treated	09/24/2024	**0.03**	< 2.0	244	0	< 1.0	7.57	**17.6**	0	0.11
Williams Park - Treated	10/01/2024	0.25	< 2.0	239	0	< 1.0	7.74	14.8	0	< 0.10
Williams Park - Treated	10/08/2024		< 2.0	234	0	< 1.0	6.82	**15.2**	0	< 0.10
Williams Park - Treated	10/15/2024		< 2.0	154.7	0	< 1.0	8.09	13.9	0	0.14
Williams Park - Treated	10/22/2024		< 2.0	297.0	0	< 1.0	6.94	14.0	0	< 0.10
Williams Park - Treated	10/29/2024		< 2.0	232.0	0	< 1.0	6.70	**18.0**	0	< 0.10
Williams Park - Treated	11/05/2024		< 2.0	234	0	< 1.0	6.85	13.5	0	< 0.10
Williams Park - Treated	11/12/2024		< 2.0	248	0	< 1.0	7.71	14.8	0	< 0.10
Williams Park - Treated	11/19/2024		< 2.0	235	0	< 1.0	7.10	13.5	0	< 0.10
Williams Park - Treated	11/26/2024		< 2.0	295.0	0	< 1.0	**6.66****	13.0	0	< 0.10
Williams Park - Treated	12/03/2024	**0.01**	< 2.0	200	0	< 1.0	**6.40**	12.4	0	0.12
Williams Park - Treated	12/10/2024		< 2.0	177	0	< 1.0	8.24	**15.3**	0	< 0.10
Williams Park - Treated	12/17/2024		< 2.0	239	0	< 1.0	6.81	13.8	0	0.10
Williams Park - Treated	12/23/2024		< 2.0	239	0	1.0	7.00	13.4	0	0.10
Williams Park - Treated	12/30/2024	0.64	< 2.0	268	0	< 1.0	7.32	14.4	0	< 0.10

Sampling Point	Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date	**02/07/2024**	**08/22/2024**	**01/24/2024**	**02/07/20242**	**08/22/20243**
Parameter					
1,1,1-Trichloroethane mg/L			< 0.00050	< 0.00050	< 0.00050
1,1,1,2-Tetrachloroethane ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,1-Trichloroethane mg/L	< 0.00050	< 0.00050			
1,1,2-Trichloroethane mg/L			< 0.00050	< 0.00050	< 0.00050
1,1,2,2-Tetrachloroethane mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,1,2-Trichloro-1,2,2-trifluroethane ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,1,2-Trichloroethane mg/L	< 0.00050	< 0.00050			
1,1-Dichloroethane mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,1-Dichloroethylene mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,2,3-Trichlorobenzene ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2,4-Trichlorobenzene ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2-Dichlorobenzene mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,2-Dichloroethane mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,2-Dichloropropane mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,3,5-Trimethylbenzene ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3-Butadiene ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1,3-Dichloropropane ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
1-Methylnaphthalene mg/L	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
2,3,4,5-Tetrachlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,3,4,6-Tetrachlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,3,4-Trichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,3,5,6-Tetrachlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,3,5-Trichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,3,6-Trichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,3-Dichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4 + 2,5-Dichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4'-DDD (o,p-DDD) ug/L		< 0.010		< 0.010	< 0.010
2,4'-DDE (o,p-DDE) ug/L		< 0.010		< 0.010	< 0.010
2,4,5-Trichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Sampling Point	Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date	**02/07/2024**	**08/22/2024**	**01/24/2024**	**02/07/20242**	**08/22/20243**
2,4,6-Trichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-Dimethylphenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrophenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,6-Dimethylphenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol ug/L	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080
2-hydroxyphenol (Catechol) ug/L	< 10	< 10	< 10	< 10	< 10	< 10
2-methyl-4-chlorophenoxyacetic acid / MCPA ug/L	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
2-Methylnaphthalene mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
2-Methylphenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3 and 4-Chlorophenol ug/L	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080
3,4,5-Trichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
3,4-Dichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
3,4-Dimethylphenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3,4-Methylphenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3,5-Dichlorophenol ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4,4'-DDE (pp-DDE) ug/L		< 0.010			< 0.010	< 0.010
4,4'-DDT (pp-DDT) ug/L		< 0.010			< 0.010	< 0.010
4,6-Dinitro-o-cresol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-methylphenol (Parachlorometa cresol) ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Nitrophenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
a-Chlordane ug/L		< 0.050			< 0.050	< 0.050
Acenaphthene mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Acenaphthylene mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Acridine mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Alachlor ug/L		< 0.050			< 0.050	< 0.050
Aldrin ug/L		< 0.020			< 0.020	< 0.020
Alkalinity (phenolphthalein, as CaCO3) mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.5
Alkalinity (total, as CaCO3) mg/L	80	82	60	80	6.4	85
alpha-BHC ug/L		< 0.050			< 0.050	< 0.050
Aluminum (dissolved) mg/L	< 0.0030	< 0.0030		< 0.0030	< 0.0030	0.0045
Aluminum (total) mg/L	0.0034	< 0.0030		< 0.0030	< 0.0030	0.0052
Ammonia (total, as N) mg/L	0.22	0.054	< 0.015	< 0.015	0.017	0.22
Anthracene mg/L	< 0.000010	< 0.000010		< 0.000010	< 0.000010	< 0.000010
Antimony (dissolved) mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Antimony (total) mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Aspon ug/L		< 0.050			< 0.050	< 0.050
Atrazine ug/L		< 0.050			< 0.050	< 0.050
Azinphos-ethyl ug/L		< 0.20			< 0.20	< 0.20

Sampling Point		Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date		**02/07/2024**	**08/22/2024**	**01/24/2024**	**02/07/20242**	**08/22/20243**
Azinphos-methyl ug/L		< 0.20			< 0.20	< 0.20
Barium (dissolved) mg/L	0.0034	0.0244		< 0.0010	< 0.0010	0.0034
Barium (total) mg/L	0.0033	0.0224		< 0.0010	< 0.0010	0.0036
Benfluralin ug/L		< 0.050			< 0.050	< 0.050
Benzene mg/L	< 0.00040	< 0.00040		< 0.00040	< 0.00040	< 0.00040
Benzo(a)anthracene mg/L	< 0.000010	< 0.000010		< 0.000010	< 0.000010	< 0.000010
Benzo(a)pyrene mg/L	< 0.0000050	< 0.0000050		< 0.0000050	< 0.0000050	< 0.0000050
Benzo(b,j)fluoranthene mg/L	< 0.000030	< 0.000030		< 0.000030	< 0.000030	< 0.000030
Benzo(g,h,i)perylene mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Benzo(k)fluoranthene mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Beryllium (dissolved) mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
Beryllium (total) mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
beta-BHC ug/L		< 0.050			< 0.050	< 0.050
Bicarbonate (as HCO3) mg/L	98	100	73	97	7.8	98
Bismuth (dissolved) mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Bismuth (total) mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Boron (dissolved) mg/L	0.088	< 0.05		< 0.05	0.087	0.082
Boron (total) mg/L	0.077	< 0.05		< 0.05	0.071	0.081
Bromacil ug/L		< 0.050			< 0.050	< 0.050
Bromobenzene ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Bromodichloromethane (dichlorobromomethane) mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Bromoform mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Bromophos ug/L		< 0.050			< 0.050	< 0.050
Bromophos-ethyl ug/L		< 0.050			< 0.050	< 0.050
Butylate ug/L		< 0.050			< 0.050	< 0.050
Cadmium (dissolved) mg/L	< 0.000010	< 0.000010		< 0.000010	< 0.000010	< 0.000010
Cadmium (total) mg/L	< 0.000010	< 0.000010		< 0.000010	< 0.000010	< 0.000010
Calcium (dissolved) mg/L	4.11	13.6	18.0	< 0.050	< 0.050	4.35
Calcium (total) mg/L	3.83	12.9	16.7	< 0.050	< 0.050	4.22
Captan ug/L		< 0.10			< 0.10	< 0.10
Carbon tetrachloride mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Carbonate (as CO3) mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.0
Carbophenothion - solids (dry weight) ug/L		< 0.30			< 0.30	< 0.30
Chlorate mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlorbenside ug/L		< 0.050			< 0.050	< 0.050
Chlorfenson ug/L		< 0.050			< 0.050	< 0.050
Chlorfenvinphos ug/L		< 0.050			< 0.050	< 0.050
Chloride mg/L	< 1.0	2.8	2.2	2.9	69	< 1.0
Chlorite mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlormephos ug/L		< 0.050			< 0.050	< 0.050
Chlorobenzene mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Chloroethane mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Chloroform mg/L	< 0.0010	< 0.0010		< 0.0010	0.0019	< 0.0010
Methyl chloride (Chloromethane) mg/L				< 0.0010	< 0.0010	< 0.0010
Chlorophenols (total) ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Sampling Point		Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date		**02/07/2024**	**08/22/2024**	**01/24/2024**	**02/07/20242**	**08/22/20243**
Chloropropham ug/L		< 0.050			< 0.050	< 0.050
Chlorothalonil ug/L		< 0.050			< 0.050	< 0.050
Chlorpyrifos ug/L		< 0.010			< 0.010	< 0.010
Chlorthiophos ug/L		< 0.050			< 0.050	< 0.050
Chromium (dissolved) mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Chromium (total) mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Chrysene mg/L	< 0.000020	< 0.000020		< 0.000020	< 0.000020	< 0.000020
cis-1,2-Dichloroethylene mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
cis-1,3-Dichloropropene mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Cobalt (dissolved) mg/L	< 0.00020	< 0.00020		< 0.00020	< 0.00020	< 0.00020
Cobalt (total) mg/L	< 0.00020	< 0.00020		< 0.00020	< 0.00020	< 0.00020
Copper (dissolved) mg/L	0.00069	< 0.00020		< 0.00020	0.00167	< 0.00020
Copper (total) mg/L	< 0.00050	< 0.00050		0.00060	0.00144	< 0.00050
Cyanazine ug/L		< 0.050			< 0.050	< 0.050
Cyanide (total) mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00052	0.00088
Cyanophos ug/L		< 0.050			< 0.050	< 0.050
DCPA ug/L		< 0.050			< 0.050	< 0.050
delta-BHC ug/L		< 0.050			< 0.050	< 0.050
Dibenzo(a,h)anthracene mg/L	< 0.0000030	< 0.0000030				
Dibenzo(a,h)anthracene mg/L				< 0.0000030	< 0.0000030	< 0.0000030
Dibromochloromethane (Chlorodibromomethane) mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
Dichlorodifluoromethane / Freon 12 ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Dichloromethane mg/L	< 0.0020	< 0.0020		< 0.0020	< 0.0020	< 0.0020
Dichlorophenols (total) ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dissolved Organic Carbon mg/L	3.7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene mg/L	< 0.00040	< 0.00040		< 0.00040	< 0.00040	< 0.00040
Ethylene dibromide / EDB ug/L	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Fluoranthene mg/L	< 0.000020	< 0.000020		< 0.000020	< 0.000020	< 0.000020
Fluorene mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Fluoride mg/L	0.13	0.098	< 0.050	0.11	< 0.050	0.13
g-Chlordane ug/L		< 0.050			< 0.050	< 0.050
Gross alpha particle activity Bq/L						
Gross beta particle activity Bq/L						
Hardness (dissolved, as CaCO3) mg/L	18.1	59.4	71.3	< 0.50	< 0.50	18.6
Hardness (total, as CaCO3) mg/L	16.3	55.9	65.1	< 0.50	< 0.50	18.3
Hexachlorobutadiene ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hydroquinone ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hydroxide (as OH) mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Indeno(1,2,3-c,d)pyrene mg/L	< 0.000050	< 0.000050		< 0.000050	< 0.000050	< 0.000050
Iron (dissolved) mg/L	0.0234	0.499		0.0079	< 0.0050	0.0200
Iron (total) mg/L	0.082	**0.498**		0.047	< 0.01	0.091
Isopropylbenzene ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Lead (dissolved) mg/L	< 0.00020	< 0.00020		< 0.00020	< 0.00020	< 0.00020

Sampling Point	Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date	**02/07/2024**	**08/22/2024**	**01/24/2024**	**02/07/20242**	**08/22/20243**
Lead (total) mg/L	0.00020	< 0.00020	< 0.00020	< 0.00020	0.00051
Lithium (dissolved) mg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Lithium (total) mg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
m- + p- Xylene mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
Magnesium (dissolved) mg/L	1.89	6.18	6.43	< 0.050	< 0.050	1.88
Magnesium (total) mg/L	1.64	5.74	5.67	< 0.050	< 0.050	1.87
Manganese (dissolved) mg/L	0.0135	0.136	< 0.0010	< 0.0010	0.0124
Manganese (total) mg/L	0.0128	**0.126**	< 0.0010	< 0.0010	0.0132
Mercury (dissolved) mg/L	< 0.000030	< 0.0000019	< 0.000030	< 0.0000019	< 0.0000019
Mercury (total) mg/L	< 0.000030	< 0.0000019	< 0.000030	< 0.0000019	< 0.0000019
Methyl bromide (Bromomethane) ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl chloride (Chloromethane) mg/L	< 0.0010	< 0.0010				
Methyl tert-butyl ether / MTBE mg/L	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
Molybdenum (dissolved) mg/L	0.0028	0.0020	0.0018	< 0.0010	0.0028
Molybdenum (total) mg/L	0.0025	0.0019	0.0016	< 0.0010	0.0028
Monochlorophenols (total) ug/L	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080
Naphthalene mg/L	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Nickel (dissolved) mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nickel (total) mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite (as N) mg/L	< 0.020	< 0.020	0.506	< 0.020	< 0.020	< 0.020
Nitrilotriacetic acid / NTA mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Nitrite (as N) mg/L	< 0.0050	< 0.0050	0.0531	< 0.0050	< 0.0050	< 0.0050
Non-chlorinated Phenols ug/L	< 10	< 10	< 10	< 10	< 10	< 10
o-Xylene mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
Pentachlorophenol / PCP ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene mg/L	< 0.000050	< 0.000050	< 0.000050	< 0.000050	< 0.000050
Phenol ug/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phosphorus (total) mg/L	0.22	0.15	0.026	0.14	< 0.0030	0.24
Potassium (dissolved) mg/L	7.24	2.25	1.75	0.134	1.95	7.58
Potassium (total) mg/L	6.57	1.99	1.60	0.119	1.52	6.92
Pyrene mg/L	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Quinoline mg/L	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Resorcinol ug/L	< 10	< 10	< 10	< 10	< 10	< 10
Selenium (dissolved) mg/L	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Selenium (total) mg/L	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Silicon (dissolved, as Si) mg/L	6.76	13.7	14.8	6.27	7.02
Silicon (total, as Si) mg/L	6.32	13.7	13	5.74	6.29
Silver (dissolved) mg/L	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Silver (total) mg/L	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Sodium (dissolved) mg/L	30.8	11.2	3.66	38.7	45.8	31.6
Sodium (total) mg/L	27.7	9.91	3.32	32.1	36.2	31.8

Sampling Point		Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date		**02/07/2024**	**08/22/2024**	**01/24/2024**	**02/07/20242**	**08/22/20243**
Strontium (dissolved) mg/L	0.0281	0.0700		< 0.0010	< 0.0010	0.0271
Strontium (total) mg/L	0.0257	0.0639		< 0.0010	< 0.0010	0.0268
Styrene mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Sulfur (dissolved) mg/L	4.5	< 3.0	5.6	< 3.0	< 3.0	3.7
Sulfur (total) mg/L	3.7	< 3.0	4.7	< 3.0	< 3.0	4.4
Sulphate mg/L	14	2.9	18	2.9	< 1.0	14
Sulphide (total, as H2S) mg/L	0.018	0.015	< 0.0020	0.0042	< 0.0020	0.018
Sulphide (total, as S) mg/L	0.017	0.014	< 0.0018	0.0040	< 0.0018	0.017
Tetrachloroethylene / PCE mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Thallium (dissolved) mg/L	< 0.000010	< 0.000010		< 0.000010	< 0.000010	< 0.000010
Thallium (total) mg/L	< 0.000010	< 0.000010		< 0.000010	< 0.000010	< 0.000010
Tin (dissolved) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Tin (total) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Titanium (dissolved) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Titanium (total) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Toluene mg/L	< 0.00040	< 0.00040		< 0.00040	< 0.00040	< 0.00040
Total Dissolved Solids / TDS mg/L	120	110	110	130	140	130
Total HMW PAH ug/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total LMW PAH ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Organic Carbon / TOC mg/L	0.56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total PAH ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Tetrachlorophenols ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Trichlorophenols ug/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
trans-1,2-Dichloroethylene mg/L	< 0.0010	< 0.0010		< 0.0010	< 0.0010	< 0.0010
trans-1,3-Dichloropropene ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene / TCE mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Trichlorofluoromethane mg/L	< 0.0040	< 0.0040		< 0.0040	< 0.0040	< 0.0040
Uranium (dissolved) mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
Uranium (total) mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
Vanadium (dissolved) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Vanadium (total) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Vinyl chloride mg/L	< 0.00050	< 0.00050		< 0.00050	< 0.00050	< 0.00050
Volatile Hydrocarbons water C6-C10 (VHw) ug/L	< 300	< 300	< 300	< 300	< 300	< 300
Volatile Petroleum Hydrocarbons C06-C10 (less BTEX) ug/L	< 300	< 300	< 300	< 300	< 300	< 300
Xylenes (total) mg/L	< 0.00040	< 0.00040		< 0.00040	< 0.00040	< 0.00040
Zinc (dissolved) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Zinc (total) mg/L	< 0.0050	< 0.0050		< 0.0050	< 0.0050	< 0.0050
Zirconium (dissolved) mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
Zirconium (total) mg/L	< 0.00010	< 0.00010		< 0.00010	< 0.00010	< 0.00010
1,1,1-Trichloroethane ug/L			< 0.50			

Sampling Point	Brown Park - treated Winter	Brown Park - treated Summer	Ponder Park Annual	Williams Park - Treated Winter	Williams Park - Treated Summer
Collection Date	02/07/2024	08/22/2024	01/24/2024	02/07/20242	08/22/20243
1,1,2,2-Tetrachloroethane ug/L		< 0.50			
1,1,2-Trichloroethane ug/L		< 0.50			
1,1-Dichloroethane ug/L		< 0.50			
1,1-Dichloroethylene ug/L		< 0.50			
1,2-Dichlorobenzene ug/L		< 0.50			
1,2-Dichloroethane ug/L		< 0.50			
1,2-Dichloropropane ug/L		< 0.50			
1,3-Dichlorobenzene ug/L		< 0.50			
1,4-Dichlorobenzene ug/L		< 0.50			
1-Methylnaphthalene ug/L		< 0.050			
2,4' + 4,4'-DDD ug/L	< 0.010		< 0.010	< 0.010	
2-Methylnaphthalene ug/L		< 0.10			

Appendix B – Parks Drinking Water System Reports

DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period:	January 1st to December 31st, 2024 (year)
Water System	Ponder Park
Water System Owner	Township of Langley
Primary Contact Name (Operator or Manager)	Chris Di Francescantonio
Phone Number (Operator or Manager)	236-333-4209
E-mail (Operator or Manager)	cdifrancescantonio@tol.ca

DESCRIBE YOUR WATER SUPPLY SYSTEM

What is the Source(s) of Raw Water?

☒ Deep Well ☐ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection? ☐ Yes ☒ No

☐ Chlorination ☐ Ultraviolet Light ☐ Ozone ☒ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection? ☐ Yes ☒ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration? ☐ Yes ☒ No

Check all boxes that apply

☐ Cartridge Filter(s) ☐ Carbon Filter ☐ Sand Filtration ☐ Reverse Osmosis ☐ Other

If other, specify details:

PUBLIC REPORTING

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to Date? ☒ Yes ☐ No

How do you Inform the System Users of the ERCP?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website

☐ Other (specify details)

Drinking Water System Annual Report

How do you Inform the System Users of the Annual Report?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions that have been placed on your Operating Permit *(if you have conditions, these will be stated on your permit):*

Are you in compliance with the conditions listed on your Operating Permit? ☒ Yes ☐ No ☐ N/A

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period? 3

What is the minimum required sampling frequency for this system? (#samples/month) Quarterly

Additional sampling details:

Was the minimum required sampling frequency achieved? ☐ Yes ☒ No

Comments: 3rd quarter samples missed

Bacteriological summary attached to this report? ☒ Yes ☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	***Standard:***	**Did this system meet standard?**	
Escherichia coli (for all samples)	No detectable *Escherichia coli* per 100ml	☒ Yes	☐ No
Total Coliform Bacteria *(if only 1 sample collected in a 30 day period)*	No detectable total coliform bacteria per 100ml	☒ Yes	☐ No
Total Coliform Bacteria *(if more than 1 sample collected in a 30 day period)*	No more than 10% of samples contain total coliform bacteria, **and** No sample has more than 10 total coliform bacteria per 100ml	☒ Yes	☐ No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☒ Yes ☐ No

If no, when were the last chemical samples conducted for this system?

(date) ☐ Don't Know ☐ Never

If yes, did all water samples meet the Guidelines for Canadian Drinking Water Quality?

☒ Yes ☐ No

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Parameter	Result	Corrective Action / Treatment / Comments

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☐ Yes ☒ No

If yes, check all boxes that apply:

☐ Chlorine ☐ Turbidity ☐ Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.). ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period? ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements? ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

DATE COMPLETED: 22-May-2025	**COMPLETED BY:** Jessica Horne

DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period:	January 1st to December 31st, 2024 (year)
Water System	Brown Park
Water System Owner	Township of Langley
Primary Contact Name (Operator or Manager)	Chris Di Francescantonio
Phone Number (Operator or Manager)	236-333-4209
E-mail (Operator or Manager)	cdifrancescantonio@tol.ca

DESCRIBE YOUR WATER SUPPLY SYSTEM

What is the Source(s) of Raw Water?

☐ Deep Well ☐ Shallow Well ☐ Surface Water ☒ Other

If other, specify details: 2 wells- Deep well is for drinking water, shallow well is for irrigation only

Does the Drinking Water System have Primary Disinfection? ☒ Yes ☐ No

☐ Chlorination ☒ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details: NSF UV Sterilization

Does the Drinking Water System have Secondary Disinfection? ☐ Yes ☒ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration? ☒ Yes ☐ No

Check all boxes that apply

☒ Cartridge Filter(s) ☐ Carbon Filter ☐ Sand Filtration ☐ Reverse Osmosis ☒ Other

If other, specify details: Water Softener, and Cartridge Filter

PUBLIC REPORTING

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to Date? ☒ Yes ☐ No

How do you Inform the System Users of the ERCP?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website

☐ Other (specify details)

Drinking Water System Annual Report

How do you Inform the System Users of the Annual Report?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions that have been placed on your Operating Permit *(if you have conditions, these will be stated on your permit):*

Nitrate-Nitrogen water sampling to be analyzed every 6 months for raw well water and treated water (drinking fountain). Sample post treatment for manganese every 6 months.

Are you in compliance with the conditions listed on your Operating Permit? ☒ Yes ☐ No ☐ N/A

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period? 56

What is the minimum required sampling frequency for this system? (#samples/month) 4 Samples/month

Additional sampling details: System is sampled weekly.

Was the minimum required sampling frequency achieved? ☒ Yes ☐ No

Comments:

Bacteriological summary attached to this report? ☒ Yes ☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	***Standard:***	**Did this system meet standard?**	
Escherichia coli (for all samples)	No detectable *Escherichia coli* per 100ml	☒ Yes	☐ No
Total Coliform Bacteria *(if only 1 sample collected in a 30 day period)*	No detectable total coliform bacteria per 100ml	☒ Yes	☐ No
Total Coliform Bacteria *(if more than 1 sample collected in a 30 day period)*	No more than 10% of samples contain total coliform bacteria, **and** No sample has more than 10 total coliform bacteria per 100ml	☒ Yes	☐ No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☒ Yes ☐ No

If no, when were the last chemical samples conducted for this system?

(date) ☐ Don't Know ☐ Never

If yes, did all water samples meet the Guidelines for Canadian Drinking Water Quality?

☒ Yes ☐ No

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Parameter	Result	Corrective Action / Treatment / Comments
Manganese	0.144 mg/L	Condition added to permit to sample for manganese on semi-annual basis

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☐ Yes ☒ No

If yes, check all boxes that apply:

☐ Chlorine ☐ Turbidity ☐ Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.). ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period? ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements? ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

DATE COMPLETED: 22-May-2025	**COMPLETED BY:** Jessica Horne

DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period:	January 1st to December 31st, 2024 (year)
Water System	Williams Park
Water System Owner	Township of Langley
Primary Contact Name (Operator or Manager)	Chris Di Francescantonio
Phone Number (Operator or Manager)	236-333-4209
E-mail (Operator or Manager)	cdifrancescantonio@tol.ca

DESCRIBE YOUR WATER SUPPLY SYSTEM

What is the Source(s) of Raw Water?

☐ Deep Well ☒ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection? ☐ Yes ☐ No

☐ Chlorination ☒ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection? ☐ Yes ☒ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration? ☒ Yes ☐ No

Check all boxes that apply

☒ Cartridge Filter(s) ☐ Carbon Filter ☒ Sand Filtration ☐ Reverse Osmosis ☒ Other

If other, specify details: Arsenic Removal Filter, Cartridge Filter, Green Sand Filter

PUBLIC REPORTING

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to Date? ☒ Yes ☐ No

How do you Inform the System Users of the ERCP?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website

☐ Other (specify details)

Drinking Water System Annual Report

How do you Inform the System Users of the Annual Report?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions that have been placed on your Operating Permit *(if you have conditions, these will be stated on your permit):*

Arsenic water sampling to be analyzed every 6 months.

Are you in compliance with the conditions listed on your Operating Permit? ☒ Yes ☐ No ☐ N/A

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period? 51

What is the minimum required sampling frequency for this system? (#samples/month) 4 Samples/month

Additional sampling details: System is sampled weekly.

Was the minimum required sampling frequency achieved? ☒ Yes ☐ No

Comments:

Bacteriological summary attached to this report? ☒ Yes ☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	***Standard:***	**Did this system meet standard?**	
Escherichia coli (for all samples)	No detectable *Escherichia coli* per 100ml	☒ Yes	☐ No
Total Coliform Bacteria *(if only 1 sample collected in a 30 day period)*	No detectable total coliform bacteria per 100ml	☒ Yes	☐ No
Total Coliform Bacteria *(if more than 1 sample collected in a 30 day period)*	No more than 10% of samples contain total coliform bacteria, **and** No sample has more than 10 total coliform bacteria per 100ml	☒ Yes	☐ No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☒ Yes ☐ No

If no, when were the last chemical samples conducted for this system?

(date) ☐ Don't Know ☐ Never

If yes, did all water samples meet the Guidelines for Canadian Drinking Water Quality?

☒ Yes ☐ No

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Parameter	Result	Corrective Action / Treatment / Comments

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☐ Yes ☒ No

If yes, check all boxes that apply:

☐ Chlorine ☐ Turbidity ☐ Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.). ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period? ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements? ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

DATE COMPLETED: 12-Jun-2025	**COMPLETED BY:** Jessica Horne

Appendix C – Parks ERCP Contact Sheets

EMERGENCY RESPONSE & CONTINGENCY PLAN - CONTACT SHEET

Water System Name: Brown Park
Date Prepared: May 22, 2025

Emergency Contacts	Name	Phone	E-mail
Primary Contact (Operator/Person in Charge)	Dave Van de Leur	604-340-5336	dvandeleur@tol.ca
Secondary Contact (Back-up operator)	Chris Di Francescantonio	236-333-4209	cdifrancescantonio@tol.ca
Water System Owner	Township of Langley	604-532-7300	
Fraser Health Contacts			
Environmental Health Officer	EHO: Barbara Haworth Admin. Support	604-870-7920 604-870-7903	barb.haworth@fraserhealth.ca Hpland@fraserhealth.ca
Medical Health Officer	MHO line	604-587-3828 or 1-877-342-6647	
Fraser Health After Hours Contact (>4:30 pm & weekends)	Fraser Health On-Call Staff	604-527-4806	
Emergency Contacts			
Alternative Water Supply i.e. bottled water or bulk water hauler	Bottled water for caretaker		
Plumber	Township of Langley Facilities	604-532-7300	
Excavator	Township of Langley Construction/Utilities	604-532-7300	
Electrician	Township of Langley Facilities	604-532-7300	
Well Driller/ Pump Installer	Precision service and pumps	604-850-7010	
Utilities i.e. B.C. Hydro	BC Hydro	1-800-224-9376	

EMERGENCY RESPONSE & CONTINGENCY PLAN - CONTACT SHEET

Water System Name: Ponder Park
Date Prepared: May 22, 2025

Emergency Contacts	Name	Phone	E-mail
Primary Contact (Operator/Person in Charge)	Dave Van de Leur	604-340-5336	dvandeleur@tol.ca
Secondary Contact (Back-up operator)	Chris Di Francescantonio	236-333-4209	cdifrancescantonio@tol.ca
Water System Owner	Township of Langley	604-532-7300	
Fraser Health Contacts			
Environmental Health Officer	EHO: Barbara Haworth Admin. Support	604-870-7920 604-870-7903	barb.haworth@fraserhealth.ca Hpland@fraserhealth.ca
Medical Health Officer	MHO line	604-587-3828 or 1-877-342-6647	
Fraser Health After Hours Contact (>4:30 pm & weekends)	Fraser Health On-Call Staff	604-527-4806	
Emergency Contacts			
Alternative Water Supply i.e. bottled water or bulk water hauler	Bottled water for caretaker		
Plumber	Township of Langley Facilities	604-532-7300	
Excavator	Township of Langley Construction/Utilities	604-532-7300	
Electrician	Township of Langley Facilities	604-532-7300	
Well Driller/ Pump Installer	Precision service and pumps	604-850-7010	
Utilities i.e. B.C. Hydro	BC Hydro	1-800-224-9376	

EMERGENCY RESPONSE & CONTINGENCY PLAN - CONTACT SHEET

Water System Name: Williams Park
Date Prepared: May 29, 2025

Emergency Contacts	Name	Phone	E-mail
Primary Contact (Operator/Person in Charge)	Dave Van de Leur	604-340-5336	dvandeleur@tol.ca
Secondary Contact (Back-up operator)	Chris Di Francescantonio	236-333-4209	cdifrancescantonio@tol.ca
Water System Owner	Township of Langley	604-532-7300	
Fraser Health Contacts			
Environmental Health Officer	EHO: Barbara Haworth Admin. Support	604-870-7920 604-870-7903	barb.haworth@fraserhealth.ca Hpland@fraserhealth.ca
Medical Health Officer	MHO line	604-587-3828 or 1-877-342-6647	
Fraser Health After Hours Contact (>4:30 pm & weekends)	Fraser Health On-Call Staff	604-527-4806	
Emergency Contacts			
Alternative Water Supply i.e. bottled water or bulk water hauler	Bottled water for caretaker		
Plumber	Township of Langley Facilities	604-532-7300	
Excavator	Township of Langley Construction/Utilities	604-532-7300	
Electrician	Township of Langley Facilities	604-532-7300	
Well Driller/ Pump Installer	Precision service and pumps	604-850-7010	
Utilities i.e. B.C. Hydro	BC Hydro	1-800-224-9376	

Appendix D – Auditor General for Local Government Audit Action Items

Auditor General for Local Government Audit Report Summary – Action Items and Updates

In August 2017, the Township' water utility system was audited by the Auditor General for Local Government (AGLG). The Township was selected based on risks, potential relevance of findings to other local governments, the size, geographic location, and complexity of the water supply system. The overall goal of the audit was to provide an objective and independent examination of drinking water services in the Township to determine whether clean and safe drinking water is being provided to users.

The AGLG report focused on four (4) key audit objectives:

1. The local government's governance structure and activities supported the provision of clean and safe drinking water where and when needed.
2. The local government managed its drinking water supplies to meet current and expected future demand.
3. The local government ensured the safety and reliability of drinking water provided through its treatment and distribution systems.
4. Managing water supply infrastructure to meet current and future demand.

The AGLG developed the following action plan template with respect to the first three (3) audit objectives. It lists the recommendation of the AGLG, the steps taken by the Township to meet the objective as well as a target date to meet the objective:

Auditor General for Local Government Report: Summary of Recommendations for Objectives 1-3			
Recommendations	**Description**	**Steps Taken**	**Target Date**
	Audit Objective One:	How the local government's governance structure and activities supported the provision of clean and safe drinking water where and when needed.	
Recommendation One	Consider drinking water strategies that focus on sustainability, protecting water sources, explore rainwater capture as a long-term solution and assess land use applications that might impact groundwater sources.	The Township is currently developing a long-term drinking water supply plan to supplement the many existing related programs, plans, studies and strategies related to water conservation, groundwater protection and sustainable water management planning. The Township is currently in discussion with Fraser Health regarding long term source water protection planning.	TBD
Recommendation Two	Consider a cost recovery approach to it its water service planning that focuses on costs associated with water delivery to residents and long-term capital planning.	The Township has established a water utility reserve fund to address replacement of aging infrastructure and will explore ways to further a full cost recovery approach building on existing practices.	Underway

Auditor General for Local Government Report: Summary of Recommendations for Objectives 1-3			
Recommendation Three	Develop a formal framework for risk identification, mitigation and reporting that includes regular re-assessment and reporting of organizational risks with respect to drinking water.	The Township has established a water emergency response plan and commits to regular practice exercise. The Township will also consider conducting a risk hazard assessment related to the municipal water system as it has done with other areas of the services it provides.	TBD
Recommendation Four	Seek to improve data collection, analysis, monitoring and reporting on its water services as part of a continual improvement process.	Township staff currently reports to Council, and the public on key aspects of its water system, including quantity and quality, with senior management staff fully engaged in the reporting and aware of any concerns. This information is reported annually in the water quality reports and is made available on the Township's website. Staff will examine opportunities for improvements related to performance measures, monitoring and reporting.	Ongoing

Auditor General for Local Government Report: Summary of Recommendations for Objectives 1-3			
Recommendation Five	**Improve its tracking and reporting on service requests and enquiries from the public relating to its water systems.**	**The Township is utilizing a new system for tracking and reporting on service requests. The Township will conduct an evaluation of this system on a regular basis to ensure it is meeting the needs of the municipality and its customers.**	**Ongoing**
Recommendation Six	Improve the workflow of its water infrastructure work-order system to enhance its efficiency.	The Township has a tracking system that helps manage the workflow of the water infrastructure work-order system. The Township is currently exploring alternatives to the current system in order to improve efficiency	Ongoing
Recommendation Seven	Retain a record of its management team meetings in order to track organizational decisions.	Water related departments not already doing so, have implemented recording team meeting minutes as of 2019. Records will be retained.	Ongoing
Recommendation Eight	Enhance its human resource policies by reviewing and updating its ethical policies and by developing a whistle blower policy.	The Township will continue to enhance HR policies, procedures and practices in keeping with the overall goals of the organization, applicable legislation and to ensure employee related issues are appropriately addressed.	Ongoing
Recommendation Nine	Consider a more formal approach to measuring employee workplace engagement.	The Township will continue to evaluate opportunities for engagement through the involvement of employees in programs and initiatives as appropriate and applicable.	Ongoing

Recommendation Ten	Enhance its emergency and business continuity planning by ensuring its emergency plan is updated and tested regularly and completing business continuity planning for critical services.	The Township's water emergency response plan was recently completed. The plan will be updated periodically with regular practice to ensure relevant staff are versed and practiced.	Ongoing
	Audit Objective Two:	How the local government managed its drinking water supplies to meet current and expected future demand.	
Recommendation Eleven	Township should improve its water conservation and demand management efforts by developing a long-term approach that focuses on residents' water use habits, water conservation, draught response, water supply shortages, water reuse application, bylaw compliance and a leak detection program.	The Township continues to utilize community based social marketing to identify barriers to water conservation and design programs to reduce overall and per capita water use. Water conservation programs continue to evolve, and the water conservation bylaw is reviewed and revised regularly.	Ongoing

Auditor General for Local Government Report: Summary of Recommendations for Objectives 1-3			
	Audit Objective Three:	How the local government ensured the safety and reliability of drinking water provided through its treatment and distribution systems.	
Recommendation Twelve	Continue to improve its water quality reporting processes by reviewing its annual water quality report and reporting changes in practice due to water quality issues.	The Township meets all Fraser Health reporting requirements and continues to endeavor to ensure accuracy and error free reporting. Staff will examine opportunities for improvements related to reporting.	Ongoing

With respect to objective 4 the AGLG audited the East Langley Water Supply project. During this audit the AGLG noted the successes of the Township of Langley in delivering the project as well as gaps in the Township of Langley's approach to managing water supply infrastructure. The Township has developed a Quality Management Manual (the manual). The manual addresses audit objective 4 recommendations 1, 3, 6, 7, 8, 12, and 14.

The table below summarizes the list of recommendations with respect to objective 4:

Auditor General for Local Government Report: Summary of Recommendations for Objective 4			
Recommendations	**Description**	**Steps Taken**	**Target Date**

Auditor General for Local Government Report: Summary of Recommendations for Objective 4			
	Audit Objective Four:	How the Township of Langley is managing water supply infrastructure to meet current and future demand.	
Recommendation One	Develop and follow standards for project governance, defining when a project needs a project board, roles and responsibilities of the participants, guidelines related to stage gate review process, evaluate the project delivery method and meeting protocols.	The Township will look to further develop and expand on its 'Capital Project Procedure' document related to project governance especially for complex projects and projects over a certain size/threshold.	Covered under Section 2.3 of the manual
Recommendation Two	Develop a documented planning procedure to identify and assess the specific staff resources required for capital projects based on the scope and complexity of each project	Project teams are built based on specific project needs and internal resourcing. The Township will consider development of a formal planning procedure document for projects over a certain size/threshold.	TBD
Recommendation Three	Ensure project charters are complete and kept up to date throughout the project.	Project charters will be developed, monitored, and kept current for projects, especially for projects of size and/or complexity exceeding a pre-determined threshold.	Covered under Section 2.3 of the manual
Recommendation Four	Develop a project plan template as a tool for leading projects of high-value, high risk and/or public significance.	This is already being done on a case-by-case basis and through the Township's Capital Project Procedure' document; however, a standard template could be developed and utilized for projects exceeding a pre-determined threshold.	TBD
Recommendation Five	Broaden and formalize an approach to capital project risk management. This policy should be based on risk identification, risk assessment, monitoring of risks and ensuring project contingency is tied to risk management.	Risk management is currently considered on a project-by-project basis and contingencies are built into project budgets and schedules. Formal policies related to capital project risk management will be considered.	TBD
Recommendation Six	Develop guidance for how project scope is defined and how project scope change is authorized and implemented.	Project scope and scope change is managed internally via internally developed procedures and policy, and externally via contracts (typically MMCD contracts). The Township will look at developing and expanding internal procedure for projects	Covered under Section 2.3 of the manual

Auditor General for Local Government Report: Summary of Recommendations for Objective 4			
		of size and/or complexity that exceed a pre-determined threshold.	

Auditor General for Local Government Report: Summary of Recommendations for Objective 4			
Recommendations	**Description**	**Steps Taken**	**Target Date**
Recommendation Seven	Develop a policy and procedure that outlines the process for development, approval, management and reporting of budgets for capital projects that includes guidance on financial contingencies, budgets, and other financial control procedures.	A formal document to provide guidance on the process for development, approval, management and reporting of budgets will be considered along side a project plan template as per recommendation four.	Covered under Section 2.3 of the manual
Recommendation Eight	Develop a baseline schedule at the time of project chartering, create a process of managing project schedules, and review progress reports against the baseline schedule.	Project timing needs are varied, and schedules are often dependant on multiple factors including budget approval, regulatory agency permitting, development needs, land requirement considerations, contractor availability and other factors outside of the Township control. Schedules are typically set via contract with construction contractors and managed according to the terms of the contract. It should be noted that worldwide supply chain issues have delayed many project schedules beyond the control of the municipality or the contractor.	Covered under Section 2.3 of the manual
Recommendation Nine	Review and update its procurement policy to align with evolving procurement practices and relevant trade agreements.	A regular review and update of the Township's procurement policy to be undertaken.	**Ongoing**
Recommendation Ten	Township of Langley's purchasing department should monitor its procurement activities and ensure they are well documented and comply with its purchasing policies and procedures.	Monitoring of the Township's procurement activities to ensure they are well documented and comply with its purchasing policies and procedures is an ongoing effort.	**Ongoing**
Recommendation Eleven	Develop and implement a policy and related processes and tools to evaluate vendor performance formally and systematically.	The Township will explore the development and implementation of a policy and related processes and tools to evaluate vendor performance formally and systematically.	TBD
Recommendation Twelve	Define reporting requirements for capital projects to ensure that those	Internal reporting to project sponsors, etc. occurs regularly with frequency depending on project size and complexity. A formal	Covered under Section 2.3 of the manual

Auditor General for Local Government Report: Summary of Recommendations for Objective 4			
	accountable for the performance of a project receive regular and consistent status updates.	document to provide guidance on reporting will be considered along side a project plan template as per recommendation four.	
Recommendation Thirteen	Develop a stakeholder engagement plan and procedures for its capital projects.	Stakeholder engagement is currently considered on a project-by-project basis and is dependant on potential impacts to stakeholders. A formal plan and procedures document could be considered for projects meeting pre-determined thresholds.	Ongoing and TBD
Recommendation Fourteen	Develop a project close-out procedure and related checklist	Review and improvements to the Township's 'Capital Projects Procedures' document will be considered in conjunction with checklist.	Covered under Section 2.4 of the manual

Auditor General for Local Government Report: Summary of Recommendations for Objective 4			
Recommendations	**Description**	**Steps Taken**	**Target Date**
Recommendation Fifteen	Further develop its asset management practices for water infrastructure	Asset management is a continuous process at the Township of Langley. The Township is developing the water asset management program by updating the water asset management plan and integrating it along with the Asset Management Policy and the Water Master Plan. The Township is also integrating its Risk and Criticality model with current data on waterman breaks and the leak detection program.	Asset Management Plane completed in 2023
Recommendation Sixteen	Improve its tracking of infrastructure maintenance, renewal and replacement activities by internally reporting on the status of work orders relative to its maintenance schedule.	The Township is reviewing the current level of service and work management practices including a review of current workflows and the current procedures for collecting and reporting on work related data as part of its continuous improvement process. This review would include establishing KPI's for both work management processes and the major asset systems.	Underway

The Township is actively working towards the remaining AGLG recommendations to support the provision of clean and safe drinking water to its residents, meet current and future water supply demands, ensure the safety and reliability of drinking water sources, and manage water supply infrastructure projects to meet future water demands.

Appendix E – Distribution Pipe Inventory

Decade	Diameter	Asbestos Cement	Cast Iron	Ductile Iron	HDPE	Perma	PVC	PVCO	Steel	Unknown	Grand Total
Pre-2000	25	54	-	-	-	-	1	-	-	-	55
	38	-	-	-	-	-	304	-	-	-	304
	50	133	-	-	208	-	509	-	-	-	850
	100	4,509	-	650	-	-	6,499	-	-	-	11,658
	150	60,363	-	18,271	17	62	92,726	-	-	3	171,443
	200	7,251	-	8,462	-	117	60,982	-	-	-	76,811
	250	6,200	-	11,141	-	315	40,382	-	-	22	58,061
	300	2,976	-	12,276	-	2,008	21,767	-	-	-	39,027
	350	67	2,504	4,228	-	-	1,790	-	-	-	8,591
	400	4,410	1,231	6,096	2	-	7,349	-	-	-	19,089
	450	2,082	-	1,157	253	-	938	-	-	-	4,431
	500	-	2,547	5,077	-	-	-	-	-	-	7,623
	600	-	-	634	-	-	-	-	1,627	-	2,261
	750	-	-	-	-	-	-	-	21	-	
Total Pre-2000s		**88,046**	**6,282**	**67,993**	**480**	**2,502**	**233,249**	**-**	**1,627**	**25**	**400,203**
2000 .. 2009	100	-	-	48	-	-	3,240	-	-	131	3,419
	150	-	-	54	1,045	-	8,209	-	-	-	9,308
	200	-	-	820	9	-	35,889			118	36,837
	250	-	-	156	-	-	13,953	-	6	-	14,114
	300	-	-	566	779	324	13,529	-	-	-	15,197
	350	-	-	-	920	-	1,267	-	-	-	2,186
	400	-	-	116	-	-	5,014	-	-	-	5,130
	450	-	-	279	-	-	-	-	-	-	279
	50	-	-	-	-	-	143	-	-	-	143
Total 2000-2009		**-**	**-**	**2,039**	**2,752**	**324**	**81,242**	**-**	**6**	**249**	**86,613**
2010 .. 2019	100	-	-	-	59	-	931	316	-	-	1,306
	150	-	-	14	-	-	1,435	102	-	10	1,561
	200	-	-	5	3	-	32,997	1,123	-	6	34,134
	25	-	-	-	-	-	18	-	-	-	18
	250	-	-	39	1,173	-	7,542	-	-	-	8,754
	300	-	-	1,079	103	-	5,694	-	-	-	6,875
	350	-	-	1,048	-	-	36	-	-	-	1,084
	400	-	-	1,102	-	-	416	-	-	-	1,518
	450	-	-	123	-	-	-	-	-	-	123
	500	-	-	148	-	-	-	-	-	-	148
	600	-	-	2,913	-	-	-	-	-	-	2,913
	750	-	-	3,247	-	-	-	-	-	-	3,247
	900	-	-	-	-	-	-	-	7,424	-	7,424
	Unknown	-	-	-	-	-	-	-	-	5	5
Total 2010-2019		**-**	**-**	**9,717**	**1,337**	**-**	**49,068**	**1,541**	**7,424**	**17**	**69,104**
2020 .. 2029	100	-	-	-	-	-	240	-	-	-	240
	150	-	-	5	-	-	177	-	-	21	203
	200	-	-	-	-	-	3,708	-	-	13	3,722
	250	-	-	77	-	-	2,514	-	-	-	2,591
	300	-	-	-	-	-	1,995	-	-	-	1,995
	400	-	-	59	-	-	393	-	-	-	452
Total 2020-2025		**-**	**-**	**141**	**-**	**-**	**9,028**	**-**	**-**	**34**	**9,203**
Unknown Install Date	100	-	-	2	-	-	253	-	-	-	255
	150	-	-	21	-	-	92	-	-	1	114
	200	-	-	-	-	-	20,808	-	-	88	20,896
	250	-	-	16	-	-	2,786	-	-	168	2,970
	300	-	-	1	-	-	6,176	-	-	0	6,177
	350	-	-	-	-	-	234	-	-	-	234
	400	-	-	109	-	-	595	-	-	-	704
	450	-	-	-	-	-	597	-	-	-	597
	600	-	-	781	-	-	-	-	-	-	781
	Unknown	-	-	-	-	-	-	-	1,557	-	1,557
Total Unknown Install		**-**	**-**	**930**	**-**	**-**	**31,540**	**-**	**1,557**	**257**	**34,284**
Grand Total		**88,046**	**6,282**	**80,820**	**4,569**	**2,825**	**404,126**	**1,541**	**10,614**	**587**	**599,407**

Township of Langley
Est. 1873

M E M O R A N D U M

TO:	MAYOR AND COUNCIL	**DATE:**	JULY 7, 2025
FROM:	INFORMATION TECHNOLOGY DIVISION	**FILE NO:**	0710-01
SUBJECT:	WI-FI AND MONITOR FOR THE DEREK DOUBLEDAY ARBORETUM		

The purpose of this memorandum is to provide Mayor and Council with accurate capital and operating costs on all possible business internet service options for the Rotary Interpretive Centre at the Derek Doubleday Arboretum. Also provided are the costs for a monitor for presentations and the physical network needed to implement Wi-Fi within the facility.

Monitor

A budget of $3200 is required for the supply and install of a wall mounted 65” 4K professional display with a 25-foot HDMI cable to allow for the displaying of content from a laptop.

Wi-Fi

To provide Wi-Fi within the Rotary Interpretive Centre at the Derek Doubleday Arboretum, a physical network and a business internet service from a telecommunications (telecom) provider are required.

Physical Network

To provide the physical network infrastructure for Wi-Fi within the Rotary Interpretive Centre, equipment and installation services and needed: electrical conduit and cabling, network conduit and cabling, a network equipment cabinet, uninterruptible power supply, a firewall/network switch, wireless access points, and finishing work such as wall patching and painting. A budget of $16,000 is required for the physical network.

Business Internet Service

A business internet service is required to provide Wi-Fi within the Rotary Interpretive Centre at the Derek Doubleday Arboretum. Commercially purchasable high-speed fibre optic or lower speed copper wire-based (coaxial/cable) internet services, generally costing under $200 per month, are not readily available from telecom providers at this location due to the lack of residential and business density in the area surrounding this facility. All options have been considered and are listed below.

Option A – Telecom Provider Copper/Coaxial using Township of Langley Conduit

- Install new copper/coax using existing Township conduit running from south side of Fraser Highway into the building
- Business Internet GIG
    - 1Gbps (1000Mbps) download, 150Mbps upload
    - unlimited usage
    - latency 8-13 Msec
- Capital cost: $26,000; Annual operating cost: $2600
- Recommended: Capital costs comparable to other technically viable options; reasonable operating costs; technical architecture meets existing IT standards

Option B – Telecom Provider Copper/Coaxial using Telecom Provider Conduit

- Install new conduit and new copper/coax into the building
- Business Internet GIG
    - 1Gbps (1000Mbps) download, 150Mbps upload
    - unlimited usage
    - latency 8-13 Msec
- Capital cost: $354,000; Annual operating cost: $2600
- Not recommended: very high capital costs compared to other viable options

Option C – Telecom Provider Fibre Optic using Township of Langley Conduit

- Install new fibre optic cable using existing Township conduit running from south side of Fraser Highway into the building
- Business Internet 500
    - 500Mbps download, 500Mbps upload
    - unlimited usage
    - latency <65 Msec
- Capital cost: $25,000; Annual operating cost: $11,600
- Not recommended: very high operating costs compared to other viable options

Option D – Township of Langley Fibre Optic to Langley Regional Airport (YNJ)

- Construction of 1100 meters of new conduit, junction boxes and fibre optic cable along the south side of Arboretum lands connecting to the YNJ fuel station where existing TOL fibre network is located. This will also support security needs at YNJ south gate 3.
- Existing business internet services at Langley Regional Airport would be utilized
- Capital cost: $181,000; Annual operating cost: $0
- Not recommended: high capital costs compared to other options

Option E – Satellite Communications

- Install satellite transceiver dish on exterior of building and route antenna cable to hardware appliance inside building
- Local Priority Business Internet
    - 40-220Mbps download, 8-25Mbps upload
    - monthly usage plans: 50GB $94/M, 500GB $238/M, 1TB $418/M, 2TB $778/M
    - latency 25-60 Msec
- Capital cost: $1000; Annual operating cost: $3100 based on 500GB
- Not recommended: download/upload speeds are variable and not guaranteed; lower range of speeds are inadequate for requirements

Option F – 4G Cellular from Telecom Provider A

- Low speed cellular hardware solution; hardware rental, and data usage paid monthly.

- Business Internet
    - 50Mbps download, 10Mbps upload
    - 450GB higher speed usage monthly, reduced to 10Mbps down, 2Mbps up
    - latency 30 Msec
- Capital cost: $220; Annual operating cost: $2100
- Not recommended: download/upload speeds inadequate for requirements

Option G – 5G Cellular from Telecom Provider A

- High speed cellular hardware solution on a multi year subscription, paid in advance; data usage paid monthly
- Business Internet
    - 100-250 Mbps download, 10-30 Mbps upload
    - Data usage subscription: 50GB $158, 100GB $225, 250GB $563, 500GB $1,125.50
    - latency 30 Msec
- Capital cost: $4300 (3-year up front); Annual operating cost: $2900
- Not recommended: download/upload speeds are variable and not guaranteed; lower range of speeds are inadequate for requirements

Option H – 4G Cellular from Telecom Provider B

- Low speed cellular solution; data usage paid monthly.
- Smart Hub 50
    - Up to 25Mbps download and upload
    - unlimited usage
    - latency 30 Msec
- Capital cost: $0; Annual operating cost: $770
- Not recommended: download/upload speeds inadequate for requirements

Option I – 5G Cellular from Telecom Provider B

- Higher speed cellular hardware solution on a multi year subscription, paid in advance; data usage paid monthly
- Business Internet
    - Up to 100Mbps download and upload
    - unlimited usage
    - latency 30 Msec
- Capital cost: $0; Annual operating cost: $1300
- Not recommended: download/upload speeds are variable and not guaranteed; lower range of speeds are inadequate for requirements

Additional Options:

Satellite Communications:
Two other satellite internet service providers were considered. One did not have coverage in this area and the other was not high speed, unsuitable for this site.

Point to Point Wireless to YNJ:
A high-speed wireless connection, requiring clear visibility between a transceiver mounted on the Arboretum building and a second transceiver mounted on a building at the Langley Regional Airport, was researched. The line of sight between the Arboretum building and the Langley Regional Airport main building is obstructed by tall trees on the east side of the Arboretum lands, and lines of fir trees on the east and west sides of Murray Creek. There is visibility north to tenant buildings that front 56 Avenue that was considered. TOL would arrange placing

equipment on the outside and inside of the tenant building and provision telecommunications provider internet service into the tenant space. TOL IT staff would require 7x24 access to the tenant building to provide support. Due to the complexity of this solution and considering there are other viable options of similar costs, no further investigation into this option was conducted.

Township Traffic Wireless Network:
There is an existing traffic system wireless network running along Fraser Highway to 216th Avenue which connecting to was briefly considered. The traffic network was not designed to provide high speed/high use internet service and adding this type of workload is not technically feasible.

Telecom Provider Fibre Optic and Copper/Coaxial:
Both fibre optic and copper-based business internet services were reviewed with two different telecom providers. One provider only offered fibre optic, indicating they no longer provide copper for commercial building installations. The other provider chose not to provide an estimate for fibre, which would come in at a higher price than copper, because copper will meet needs of this facility at a lower operating cost.

Summary

Based on recommended Option A, 1Gbps business internet service over copper/coaxial cable using existing Township conduit, the capital cost to provide a presentation monitor and Wi-Fi at the Rotary Interpretive Centre at the Derek Doubleday Arboretum is $45,200, comprised of:

a) $3200 for the supply and install of a 65” 4K TV display,
b) $16,000 for the physical network infrastructure, and
c) $26,000 for the installation of internet service.

The annual operating cost for 1Gbps business internet service would be $2600.

Township of Langley
Est. 1873

M E M O R A N D U M

TO:	MAYOR AND COUNCIL	**DATE:**	JULY 7, 2025
FROM:	PERMITS, LICENCES AND INSPECTIONS DIVISION	**FILE NO:**	20219-96 AVENUE
SUBJECT:	LAND USE OPTIONS – 20219 - 96 AVENUE		

At the Regular Council meeting of June 9, 2025, Council passed a motion directing staff to report back with options regarding the property at 20219 - 96 Avenue. This memo provides an update on the property, which was formerly occupied by Phoenix Truck and Crane Service and outlines potential options to bring the site into compliance with the Township's Zoning Bylaw.

In December 2023, Phoenix Truck and Crane Service submitted a business licence application for "Freight and Crane Storage". It was later determined that a "Britco" style office trailer and hoop structure had been brought to the site and the southern portion of the lot was developed as a gravel and asphalt parking area all without the appropriate permits being secured for these works. The office trailer and hoop structure have since been removed from the property.

The property is zoned M-1A (Industrial)**,** which permits uses such as commercial vehicle parking. However, under Section 701.2 of the Zoning Bylaw, all business activities must be conducted within a completely enclosed building, except for parking, loading, and open storage areas that are accessory to a permitted use. At present, there are no buildings on the property that satisfy this requirement. A copy of the M-1A zoning regulations is attached as Attachment A for reference.

During the time Phoenix Truck and Crane operated from the site, several neighbours voiced concerns regarding the nature of the use. Complaints were received about excessive operational noise, bright lighting during nighttime hours, and the overall incompatibility of the business with the surrounding area. While these issues have since subsided following the departure of the business, the concerns serve as a reminder of the need to ensure future uses are properly permitted and aligned with zoning requirements.

Staff have confirmed that Phoenix Truck and Crane has vacated the site. All associated commercial vehicles, equipment, Britco trailer and the hoop structure have been removed, and the property is now being advertised for sublease. As a result, the business licence application submitted by Phoenix has been closed. Any future use of the site will require the submission and approval of a Development Permit (DP) and a building permit**,** depending on the proposed activities.

The property owner, Ms. Tarantino, has expressed interest in continuing to lease the site for commercial vehicle parking and equipment storage. However, to comply with current zoning, a building must first be constructed to serve as the principal structure for any business use. This

requirement has been confirmed by Development Planning staff. Development of the site may also require a Development Permit. In addition, the existing parking lot—originally constructed for Phoenix's operations—remains unpermitted and would require a building permit, likely following issuance of a Development Permit, given the property's location within a designated DP Area. In order to bring the site into compliance, any future business operation must: (1) obtain a Development Permit; (2) construct a building to accommodate a permitted use; and (3) secure a building permit for the gravel lot and related site improvements.

To support interim compliance, the proponent may submit an application for a Temporary Use Permit (TUP**)** to allow short-term leasing or use of the property while permanent compliance measures are developed. A TUP would be supported by a Development Permit application and requires a Council resolution and a public input process.

Staff will continue to monitor the property and are prepared to proceed based on Council's direction.

ATTACHMENT A M-1A Zoning Bylaw

SECTION 700 - INDUSTRIAL ZONES

701 SERVICE INDUSTRIAL ZONES M-1A AND M-1B

Uses Permitted

#3313 13/12/93 #3088 06/01/92 #3782 27/07/98 #3835 25/01/99 #4567 07/05/07 #5109 14/09/15 #5490 30/09/19 #5794 15/04/24

701.1 In the M-1A and M-1B Zones only the following *uses* are permitted and all other *uses* are prohibited:

1) *accessory buildings* and *uses*
2) accessory open storage
3) auction marts
4) bakeries
5) *brewery or distillery*
6) building supplies, lumber yards
7) commercial recreation, instruction and entertainment *uses* excluding *arcades*, *pool halls* and *casino halls*
8) *dog daycare* subject to Township of Langley Noise Control Bylaw 1988 as amended
9) nurseries and garden supply centres
10) offices accessory to permitted industrial *uses*
11) other service industrial *uses* compatible with service industrial areas
12) parking of *commercial vehicles*
13) public works yards, maintenance and storage facilities
14) printing and publishing
15) *production studio*
16) *refund container return centre*
17) *residential uses* accessory to industrial *uses* and subject to Section 701.4
18) *restaurants*
19) retail sales accessory to permitted industrial *uses*
20) *service stations*, *gas bars*
21) the light manufacture, assembly, repair, finishing and packaging of products
22) transportation and trucking terminals and compounds including public transportation depots
23) *u-brews*
24) *vehicle body shop*s
25) *vehicle repair shop*s
26) *vehicle* sales, rental and leasing
27) *vehicle servicing*
28) *vehicle* towing and temporary storage compounds for licensed *vehicles* excluding the storage of *wrecked vehicle*s and/or *discarded material*, and excluding a *wrecking and salvaging yard*
29) veterinary clinics
30) warehousing, wholesaling and storage facilities excluding bulk energy storage facilities and the bulk storage of industrial chemicals, by-products and allied products
31) workshops for the following and similar trade contractors; *building*, electrical, heating, air conditioning, plumbing, refrigeration, roofing, septic tanks, signs, paving, and landscape contractors including the sale of garden ornaments, swimming pools and outdoor furniture
32) on Lot 8 Section 33 Township 10 New Westminster District Plan 8793; and Parcel "A" (Explanatory Plan 13205) Lots 6 and 7 Section 33 Township 10 New Westminster District Plan 8793 Section 701.1 *uses* subject to and including the following:
    a) open storage of building materials;
    b) parking of commercial vehicles and / or equipment (excluding

transportation and trucking terminals and compounds including public transportation depots); and

c) vehicle storage (excluding wrecked vehicles, recreational vehicles, and boats)

Industrial Uses

#2587 02/05/88 701.2 All business shall be conducted within a completely enclosed *building* except for parking, loading and open storage areas, where accessory to a permitted *use*.

Storage Areas

#4567 07/05/07 701.3 No material stored in a permitted accessory open storage area shall exceed a *height* of 2 metres where stored within 10 metres of a parcel zoned SR, R, RM, MH-1, C or P. No storage areas shall be located in any required front yard setback.

Residential Use

#3088 06/01/92 701.4 *Residential use* is limited to one *dwelling unit* or *mobile home* per *lot* for occupancy by the owner, manager or caretaker and immediate *family*.

Lot Coverage

701.5 *Buildings* and *structures* shall not cover more than 60% of the *lot area*.

Siting of Buildings and Structures

#3782 27/07/98 #5109 14/09/15 701.6 Except as provided for in Sections 104.4, 104.15 and 105.1 2), no *building* or *structure* shall be sited less than:

a) 10.0 metres from a *front lot line*;
b) 5.0 metres from a *rear lot line*;
c) no setback is required from an interior rear or interior *side lot line* abutting an M or C zone;
d) 5.0 metres where the *side lot line* abuts a *flanking street*; and
e) 10.0 metres from a *lot line* abutting an SR, R, RM, RU, MH-1 or P zone.

Height of Buildings and Structures

#3782 27/07/98 701.7 Except as provided for in Section 104.5 the *height* of *buildings* and *structures* shall not exceed 12 metres.

Parking and Loading

701.8 Parking and loading shall be provided in accordance with Section 107.

Subdivision Requirements

701.9 All *lot*s created by *subdivision* shall comply with Section 110 of this Bylaw and the Subdivision and Development Servicing Bylaw 2019 No. 5382 as amended.

Landscaping, Screening and Fencing

701.10 Landscaping areas, landscaping screens and fencing shall comply with Section 111.

Township of Langley

Est. 1873

HERITAGE ADVISORY COMMITTEE

Wednesday, June 4, 2025 at 7:00pm
Salmon River Committee Room
4th Floor, 20338-65 Avenue, Langley, BC

MINUTES

Present:
T. Quiring, Community Co-Chair
Councillor M. Kunst, Council Co-Chair
Councillor B. Martens, Council Co-Chair

L. Chalus, J. Foulkes, R. Genberg, M. Gill, B. Mason, F. Pepin, and T. Taylor

Staff
K. Christian, Arts and Heritage Curator
C. Longhi, Recording Secretary
A. Reeve, Community and Policy Planner
K. Stepto, Deputy Township Clerk

ACKNOWLEDGEMENT OF THE TRADITIONAL TERRITORIES OF THE COAST SALISH PEOPLES

T. Quiring acknowledged the Traditional Territories of the Coast Salish Peoples.

A. APPROVAL AND RECEIPT OF AGENDA ITEMS

1. Heritage Advisory Committee
June 4, 2025

Moved by M. Gill,
Seconded by J. Foulkes,
That the Heritage Advisory Committee approve the agenda and receive the agenda items of the June 4, 2025 meeting.
CARRIED

B. ADOPTION OF MINUTES

1. Heritage Advisory Committee
May 7, 2025

Moved by R. Genberg,
Seconded by M. Gill,
That the Heritage Advisory Committee adopt the minutes of the May 7, 2025 meeting.
CARRIED

C. DELEGATIONS AND PRESENTATIONS

D. REPORTS

1. Co-Chair Reports

Councillor Martins and Councillor Kunst reported that they each attended several events throughout the Township for Seniors Week.

2. Report from Staff Liaison

A. Reeve reported that Township staff will contact M2K Construction Ltd to acknowledge and commend them, referencing HAC's recognition published in the Council agenda.

She further reported on salvage opportunities for heritage buildings, noting that since 2018 Surrey has required 70% of demolition materials be recycled or reused, secured by a $5,000 developer deposit. After attending the Home Demolition Waste Prevention Forum, she found most municipalities have similar policies. Opportunities to encourage relocation or salvage of heritage inventory buildings will be explored further over the summer, with a report back in the fall.

A. Reeve provided an update on the following sites:

Flowerdew Residence

- The Agricultural Land Commission (ALC) denied the owner’s application to allow use of the house as a residence. Options are that it can be removed or decommissioned as a residence. The Township would like to see the building preserved.

Towle Residence

- The owners are taking advantage of new legislation that allows four units on one property. They applied for a variance for driveway access and it was approved by Council on May 12, 2025.

Bellmont Oak Trees along 48 Avenue

- The strata have requested that the Township assume responsibility for maintenance of the 10 trees due to the associated costs. However, the Covenant on Title indicates the strata is responsible as the developer accepted this condition in exchange for increased density. The matter was presented to Council in early May and referred to staff. A memo was submitted to Council on May 26, 2025. Council considered referring the matter to HAC but ultimately deferred the decision to the June 23, 2025 Council meeting.

D. REPORTS

3. Heritage Curator's Report

K. Christian provided the following update:

- The Collection is still being stored in the old museum, but staff are preparing to start the move. The plan is to start with small batches instead of moving everything at once.
- They are still waiting for window coverings and working on climate control issues for the new Collection storage room.

4. Heritage Review Panel

B. Mason reported that the Heritage Review Panel met on May 30, 2025 to provide comment on the 9232 McBride Street property and provided information on the proposed work. B.C. Bill 44 required the Township to allow four units on one property. The Committee discussed options for making the driveway as narrow as possible.

The following recommendations were provided:

- To support a variance for a reduced front yard setback to allow general arrangements of units and to allow the units to move closer to the street.
- Rear parking
- More landscaping throughout the site, including as a buffer between the buildings and any asphalt.
- To generally support the material and colour choices presented. Improvements would include:
    - Using shake-style roofing,
    - Continuing the masonry of the chimney to the ground, and
    - Considering a steeper roof pitch.

MOTION
Moved by B. Mason,
Seconded by F. Pepin,
That the Heritage Advisory Committee support the recommendations from the Heritage Review Panel regarding the McBride Street property, which include support for a variance to allow a reduced front yard setback; rear parking, increased landscaping throughout the site; and the material and colour choices presented shake-style roofing, continuing the masonry of the chimney to the ground, and consideration of a steeper roof pitch.
CARRIED

5. Pioneer Recognition Planning Committee Report

R. Genberg reported that plans are in place for the Township's Pioneer Luncheon on Saturday June 7, 2025.

6. Museum Advisory Group Report

D. REPORTS

F. Pepin reported that work continues to be done in the new Museum and that they are waiting for the collection to be moved over.

E. CORRESPONDENCE

F. 2025 WORK PROGRAM

1. Ongoing Projects

A. Reeve provided the following update on the 2025 Work Program:

- Staff are working on improving the documentation of heritage sites. They will create and present a report later this year, including recommendations.
- The review of the HAC Terms of Reference is still in progress and will be brought forward to the September meeting.
- The joint Agricultural Advisory Committee (AAC) and HAC bus tour is scheduled for June 24, 2025. Invitations have been sent to all HAC members.
- Updates to the Community Heritage Register map are underway to improve the usability of the web map and enhance the visibility of the information presented. It can be accessed at https://mapsvr.tol.ca/OurSharedHistory/

2. Terms of Reference Review

Please refer to item F.1

G. COUNCIL REFERRALS

1. A. Reeve provided an update on the April 7, 2025 Council Referral (Fort Langley Cenotaph Restoration, Report 25-46)

Council reviewed and passed the motion that HAC provided from the May 7, 2025 meeting:

Heritage Advisory Committee
Recommended Motion
File 0540-20

That Council direct staff to provide a condition report on the Fort Langley Cenotaph, and a stakeholder engagement opportunity, including a presentation on the cenotaph restoration and potential plaza.
CARRIED

G. COUNCIL REFERRALS

The condition assessment that was recommended is in progress and an engagement opportunity would be the next step.

H. OTHER BUSINESS AND ITEMS FOR INFORMATION

1. Langley Heritage Society Update

F. Pepin reported the following update:

- Extensive work on the Old Yale Barn has been completed and the crew has begun installing the siding.
- Repainting is scheduled for the Dixon House.
- The Moir House requires some touch-ups.
- The garage door at the Lamb/Stirling House needs repair.
- The Michaud House also requires some repairs.

2. Alder Grove Heritage Society Update

T Quiring reported the following update:

- Planning continues on the upcoming Community Heritage Day, August 23, 2025 at the museum.
- Porch repairs at Aldergrove Museum have been put on hold.
- Society has recently obtained an 8mm Super 8 Film Scanner.

I. NEXT MEETING

Date: Wednesday, September 3, 2025
Location: Salmon River Committee Room
4th Floor, 20338-65 Avenue, Langley, BC
Time: 7:00pm

J. TERMINATE

Moved by T. Taylor,
Seconded by M. Gill,
That the meeting terminate at 8:44pm.
CARRIED

CERTIFIED CORRECT:

Community Representative Co-Chair

Council Representative Co-Chair

June 18, 2025

Township of Langley
Attention: Mr. Chanpreet Kooner
20338 – 65 Avenue
Langley, BC V2Y 3J1

Dear Mr. Chanpreet Kooner,

Re: Eligible School Sites

You will recall that I wrote to you June 4, 2025 to inform you that the Board of Education would be considering the Eligible School Sites proposal, which is attached to this letter, at the June 17, 2025 Public Board meeting. At the meeting on June 17, 2025, the Board approved a resolution adopting the proposal. The proposal indicated the following:

1. It is estimated that there will be 23,661 new development units constructed in the school district over the next 10 years;
2. These 23,661 development units will be home to an estimated 7,339 school age children;
3. The School Board expects that 6 new school site will be required as the result of this growth in the area. We anticipate that it will be in the neighbourhood of Willoughby and Brookswood/Fernridge. According to Ministry of Education and Child Care standards it will require 60 acres of land, the land will cost approximately $390,000,000.

Under the school sites acquisition legislation local governments have 60 days to either:

1. Pass a resolution accepting the School Boards' resolution of proposed eligible schools site requirements for the School District, or
2. Respond in writing to the School Board indicating that it does not accept the School Board's proposed site requirements for the School District and indicating:
    - Each proposed school site to which it objects; and
    - The reasons for the objection.

If no response is received within 60 days, the legislation states that the local government will have been deemed to accept the proposal.

Please place this on council's agenda as soon as possible. Let me know if you have any questions about this proposal.

Sincerely,



Brian Iseli, Secretary-Treasurer

cc: Mal Gill, Superintendent

The Board of Education of School District No. 35 (Langley)

STAFF REPORT

DATE: June 17, 2025

TO: Board of Education

FROM: Brian Iseli, Secretary-Treasurer

SUBJECT: School Site Acquisition Charge (SSAC)

RECOMMENDED MOTION:

That the Board of Education approves the Eligible School Sites, as presented.

BACKGROUND:

Boards of Education are required to have a School Site Acquisition Charge (SSAC) in districts that are growing and are requesting site acquisitions in their 5-Year Capital Plan. The purpose of the SSAC is to collect funds from new residential developments to assist in paying for the cost of new school sites to accommodate student population growth due to development. The School District holds the money in a Land Capital Account and contributes it to capital projects approved as part of our Five-Year Capital Plan for a land purchase. The Local Government Act is the regulation that districts are required to follow in setting the SSAC. The Ministry requires the SSAC process be done annually and as a result, staff have been working on providing an update as part of the 2026-2027 capital plan process.

Process Undertaken

Staff have been working with Township of Langley and the City of Langley to determine the number of new development over the next 10 years. Based on this information, staff have determined the projected number of students which will result from the projected number of developments in the Township of Langley and the City of Langley. The number of students per development is projected based on historical data collected from similar developments and on actual students attending Langley schools. A summary development and projected number of students is presented below:

	10 yr Total Units	Eligible Students
Township of Langley		
Single Detached	2,080	1,897
Townhouse	5,365	3,244
Row House	438	250
Condo	9,636	980
	17,520	**6,371**
City of Langley		
Single Detached	136	123
Townhouse	464	283
Row House	-	-
Condo	5,541	562
	6,141	**968**
Total	**23,661**	**7,339**

Based on these numbers, staff had further discussion with the Township of Langley on the sites required over the next 10 years to accommodate the planned development and has developed the list of Eligible School Sites. A requirement of this process is for Boards to approve the list of Eligible School Sites.

Below is the resulting estimated site and their estimated cost based on the discussions with the Township of Langley:

School District No. 35 (Langley)

ELIGIBLE SCHOOL SITES PROPOSAL - 2026/27 CAPITAL PLAN

(Does not include eligible sites already approved for acquisition)

Proposed Elementary School Sites General Location	Size (ac)	Estimated Cost $
South West Latimer Sport field/Playspace	**5 ac**	**32,500,000**
North East Gordon (Jerhico) Sport field/Playspace	**5 ac**	**32,500,000**
Willoughby Elementary #3	**10 ac**	**65,000,000**
Willoughby Elementary #4	**10 ac**	**65,000,000**
Willoughby Slope Middle (4.6 Ha joint site)	**15 ac**	**97,500,000**
Brookswood Fernridge Middle (4.6 Ha joint site)	**15 ac**	**97,500,000**
TOTAL (*new school sites)*	**60 ac**	**$390,000,000**

Due to the lower planned development numbers for the City of Langley, the students will need to be accommodated in existing buildings with possible additions to some schools to accommodate the growth.

Based on the information collected, we then used the formula outlined in the Local Government Act which is intended to cover 35% of the required site costs. It also specifies a capped amount for each type of development. The formula is outlined below:

SSAC = [(A X B) ÷ C] X D

A = value of sites to be aquired
B - 35% set through legislation
C - number of eligible development units
D - Factor per BC Reg

With the information shown above, the formula calculates the information as show below:

A = value of sites to be aquired	390,000,000
B - set through legislation	35%
C - number of eligible development units	23,661
SSAC	5,769

D - Factor per BC Reg 17/00	D - Factor	SSAC	MAX
Low Density	1.25	7,211	1,000
Medium low density	1.125	6,490	900
Medium density	1	5,769	800
Medium high density	0.875	5,048	700
high density	0.75	4,327	600

As shown above, the amount of the SSAC is to achieve the 35% target of the SSAC which is over the max by a factor of over 7 times the max amount (Low Density SSAC to achieve 35% would be $7,211 but has a max cap of $1,000). Based on this information, staff is recommending no change for each of the categories.

Process Moving Forward:

The process moving forward will take several months and will involve the following steps:

- Once adopted, we will provide the motion for the Eligible School Site to both the City and Township Councils and they will have 60 days to either accept or reject.
- The District will need to submit the Eligible School Sites as part of the District's Capital Plan submission for approval.
- We normally receive approval for the Five-Year Plan in March of each year.
- We are then required to adopt a bylaw for SSAC within 60 days of receiving approval of the Five-Year Plan.
- Inform City and Township of new SSAC which is effective 60 days after bylaw approval.