

1.0 CALL TO ORDER

2.0 APPROVAL OF AGENDA

3.0 MINUTES

3.1 REGULAR MEETING HELD OCTOBER 3, 2023

[Schedule A](#)

4.0 ACTION ITEMS:

4.1 BARRHEAD STREET FESTIVAL COMMUNITY GRANT - FINAL REPORT

Administration recommends that Council receive for information the final report from Barrhead Street Festival as a grant recipient of \$2,500 under the Community Grants Policy.

[Schedule B](#)

4.2 2023 PUBLIC AUCTION (TAX RECOVERY SALE) – RESERVE BID AND TERMS & CONDITIONS OF SALE

Administration recommends that:

- Council approve the Reserve Bids set at market value as prepared by the County Assessor, for the properties listed on the 2023 Public Auction scheduled for December 6, 2023.
- Council approve the Terms & Conditions of Sale as presented for the 2023 Public Auction scheduled for December 6, 2023.

[Schedule C](#)

4.3 LAND LEASE AGREEMENT – PT. OF NW 30-61-5-W5

Administration recommends that Council authorize the Reeve and County Manager to renew the Lease Agreement for 14.5 acres within NW 30-61-5-W5 with the current tenant for the term January 1, 2024 until December 31, 2026 at a rate of \$70.00 per year.

[Schedule D](#)

4.4 AGRICULTURAL LEASE AGREEMENT – PT. SE 25-61-6-W5

Administration recommends that Council authorize the Reeve and County Manager to renew the Lease Agreement for 13 acres within SE 25-61-6-W5 with the current tenant for the term January 1, 2024 until December 31, 2026 at an annual rate of \$30.00 per acre.

[Schedule E](#)

4.5 COMMUNITY HALL BUILDING CONDITION ASSESSMENTS

Administration recommends that Council award the tender for Community Hall Building Condition Assessments to Jiffy Construction at a maximum cost of \$16,000, and further that funds be drawn from the Community Organizational Reserve.

[Schedule F](#)

4.6 BYLAW 6-2023 – RATES & FEES BYLAW

Administration recommends that Council consider 3 readings of Rates & Fees Bylaw 6-2023 as presented.

[Schedule G](#)

4.7 WRITEOFF OF UNCOLLECTABLE ACCOUNTS RECEIVABLE

Administration recommends that Council authorizes Administration to write-off the four (4) outstanding Account Receivable accounts as recommended in the amount of \$6,384.42 because of these accounts being uncollectable.

[Schedule H](#)

4.8 2024 JOINT BUDGET – BARRHEAD & DISTRICT TWINNING COMMITTEE

Administration recommends that Council approve the following:

- 2024 Barrhead & District Twinning Committee operating budget in the amount of \$9,800 as recommended by the Barrhead & District Twinning Committee which includes a contribution of \$4,900 from each municipality.
- 2025-2027 Barrhead & District Twinning Committee proposed 3-year Financial Plan for incorporation into the County's Financial Plan.

[Schedule I](#)

4.9 THUNDER LAKE LAGOON MONITORING WELL UPDATE

Administration recommends that Council accepts the 2023 Environmental Program: Thunder Lake Lagoon report, as prepared by Parkland Geo as information, and further, commits to allocating funding in the 2024 budget for continued groundwater testing and analysis.

[Schedule J](#)

4.10 2ND & 3RD READING OF BYLAW 5-2023 – A LOAN BYLAW – THE BARRHEAD EXHIBITION ASSOCIATION AND AGRICULTURAL SOCIETY

Administration recommends that Council consider 2nd & 3rd readings of Bylaw 5-2023 a Loan Bylaw – The Barrhead Exhibition Association and Agricultural Society for a debenture up to a maximum of \$875,000 for the purpose of purchasing 6 parcels of land for a term of up to 20 years with an interest rate of 5.13% per year.

[Schedule K](#)

5.0 REPORTS**5.1 COUNTY MANAGER REPORT**

Administration recommends that Council accept the County Manager's report for information.

[Schedule L](#)

5.2 DIRECTOR OF CORPORATE SERVICES REPORT

Administration recommends that Council accept the Director of Corporate Service's report for information.

- Cash, Investments, & Taxes Receivable as of September 30, 2023
[Schedule M](#)
- Payments Issued for the month of September 2023
[Schedule N](#)
- YTD Budget Report for 9 months ending September 30, 2023
[Schedule O](#)
- YTD Capital Recap for period ending September 30, 2023
[Schedule P](#)
- Elected Official Remuneration Report as at September 30, 2023
[Schedule Q](#)

5.3 PUBLIC WORKS REPORT**(11:30 a.m.)**

Administration recommends that Council accept the Director of Infrastructure's report for information.

[Schedule R](#)

5.4 COUNCILLOR REPORTS**6.0 ADJOURNMENT**

REGULAR MEETING OF COUNCIL - HELD OCTOBER 3, 2023

Regular Meeting of the Council of the County of Barrhead No. 11 held October 3, 2023 was called to order by Reeve Drozd at 9:00 a.m.

PRESENT

Reeve Doug Drozd
Deputy Reeve Marvin Schatz
Councillor Ron Kleinfeldt
Councillor Bill Lane
Councillor Paul Properzi
Councillor Walter Preugschas

**THESE MINUTES ARE
UNOFFICIAL AS THEY HAVE
NOT BEEN APPROVED BY THE
COUNCIL.**

ABSENT

Councillor Jared Stoik

STAFF

Debbie Oyarzun, County Manager
Pam Dodds, Executive Assistant
Adam Vanderwekken, Corporate
Communications Coordinator

Tamara Molzahn, Director of Corporate Services
Jenny Bruns, Development Officer
Tara Troock, Development Clerk
Ken Hove, Director of Infrastructure

ATTENDEES

Karen Gariepy and Savannah Belyk - Barrhead FCSS
Barry Kerton - Town and Country Newspaper

APPROVAL OF AGENDA

2023-306 Moved by Councillor Lane that the agenda be approved as presented.
Carried Unanimously.

MINUTES OF REGULAR MEETING HELD SEPTEMBER 19, 2023

2023-307 Moved by Councillor Preugschas that the minutes of the Regular Meeting of Council held September 19, 2023 be approved as circulated.
Carried Unanimously.

**SUBDIVISION APPLICATION – MUNICIPAL PLANNING FILE 23-R-728
SW 28-57-5-W5 (NOR-KEN OILFIELD)**

2023-308 Moved by Deputy Reeve Schatz that Council approve subdivision application 23-R-728 proposing to create a 6.55 ha (16.2 acre) farmstead separation out of SW 28-57-5-W5 with the conditions as presented.
Carried Unanimously.

Jenny Bruns and Tara Troock departed the meeting at 9:08 a.m.

BARRHEAD COMMUNITY PUMPKIN WALK - COMMUNITY GRANT REQUEST

2023-309 Moved by Councillor Lane that Council approve the application from Barrhead Community Pumpkin Walk for a donation of \$1,500 under the Community Grants Policy to assist with the annual Community Pumpkin Walk on October 27, 2023.
Carried Unanimously.

Ken Hove joined the meeting at 9:25 a.m.

REGULAR MEETING OF COUNCIL - HELD OCTOBER 3, 2023

AGRICULTURAL LEASE AGREEMENT – NE 27-59-3-W5

2023-310 Moved by Councillor Preugschas that Council authorize the Reeve and County Manager to renew the Agricultural Lease Agreement for 100 acres within NE 27-59-3-W5 with the current tenant for the term December 1, 2023 until November 30, 2026 at an annual rate of \$100.00 per acre.

Defeated 3-3.

2023-311 Moved by Councillor Kleinfeldt that Council authorize the Reeve and County Manager to renew the Agricultural Lease Agreement for 100 acres within NE 27-59-3-W5 with the current tenant for the term December 1, 2023 until November 30, 2026 at an annual rate of \$85.00 per acre.

Defeated 3-3.

2023-312 Moved by Councillor Properzi that Council authorize the Reeve and County Manager to renew the Agricultural Lease Agreement for 100 acres within NE 27-59-3-W5 with the current tenant for the term December 1, 2023 until November 30, 2026 at an annual rate of \$104.00 per acre.

Carried 4-2.

2023-313 Moved by Deputy Reeve Schatz to amend the Agricultural Lease Agreement within NE 27-59-3-W5 by removing the following sentence from item 2 as Council is using Farm Credit Canada report to determine fair market value:

“If the amount of the Fair Market Value Rent cannot be agreed upon for the purpose of any period of renewal, the issue may be submitted to arbitration pursuant to the Arbitration Act of Alberta”.

Carried Unanimously.

PUBLIC WORKS REPORT

Ken Hove, Director of Infrastructure, reviewed the written report for Public Works and Utilities and answered questions from Council.

2023-314 Moved by Councillor Lane that the report from the Director of Infrastructure be received for information.

Carried Unanimously.

2023 CONSTRUCTION PROJECT 23-740 AGREEMENTS

2023-315 Moved by Councillor Preugschas that Council directs the Reeve and County Manager to sign the agreements for Crop Damages on Backslope Area, Borrow Area & Crop Damage on Access Roads to Borrow Area, and Landscape Borrow Area & Crop Damage on Access Road, 2023 Road Reconstruction Project #23-740 – West of 23-61-3-W5.

Carried Unanimously.

Ken Hove departed the meeting at 9:51 a.m.

NEERLANDIA SPORTS COMMITTEE APPLICATION FOR PROPERTY TAX EXEMPTION

2023-316 Moved by Deputy Reeve Schatz that Council approves the tax-exempt status for the tax years 2024, 2025, and 2026 for Roll #120405007, 120406006, and 120407005 in accordance with MGA Section 362 and AR 281/98.

Carried Unanimously.

RECESS

Reeve Drozd recessed the meeting at 9:57 a.m.

Reeve Drozd reconvened the meeting at 10:09 a.m.

REGULAR MEETING OF COUNCIL - HELD OCTOBER 3, 2023

Adam Vanderwekken joined the meeting at 10:09 a.m.

2024 BUDGET PUBLIC ENGAGEMENT – FINAL “WHAT WE HEARD” REPORT

- 2023-317 Moved by Councillor Kleinfeldt that Council accept the 2024 Budget Public Engagement – Final “What We Heard” Report for information and inclusion in further budget deliberations.

Carried Unanimously.

Adam Vanderwekken departed the meeting at 10:51 a.m.

IN-CAMERA

- 2023-318 Moved by Councillor Properzi that the meeting move in-camera at this time being 10:52 a.m. for discussion on:

Insurance Review – *FOIPP Sec. 17 Disclosure harmful to economic and other interests of a public body*

Carried Unanimously.

Barry Kerton and Pam Dodds departed the meeting at 10:52 a.m.

- 2023-319 Moved by Deputy Reeve Schatz that the meeting move out of in-camera at this time being 11:24 a.m.

Carried Unanimously.

Barry Kerton and Pam Dodds rejoined the meeting at 11:24 a.m.

Councillor Preugschas left the meeting at 11:24 a.m. and rejoined at 11:26 a.m.

DELEGATION – FCSS

Karen Gariepy, Executive Director, and Savannah Belyk, Family & Youth Program Coordinator, for Barrhead FCSS met with Council at 11:28 a.m. and provided updates on programs organized by FCSS and discussed the following reports with Council:

- RMA Report on Family and Community Support Services
- 2023 AB Prov. Est. Community Report BARRHEAD

- 2023-320 Moved by Councillor Lane to accept the report from FCSS representatives as information.

Carried Unanimously.

Karen Gariepy & Savannah Belyk departed the meeting at 11:53 a.m.

LUNCH RECESS

Reeve Drozd recessed the meeting at 11:53 a.m.

Reeve Drozd reconvened the meeting at 1:01 p.m.

Tamara Molzahn joined the meeting at 1:01 p.m.

PUBLIC HEARING FOR A LOAN BYLAW – THE BARRHEAD EXHIBITION ASSOCIATION AND AGRICULTURAL SOCIETY (BYLAW 5-2023)

Reeve Drozd declared the Public Hearing open at 1:01 pm to provide an opportunity for public input and comment regarding proposed Bylaw No. 5-2023, A Loan Bylaw – The Barrhead Exhibition Association and Agricultural Society, for a debenture up to a maximum of \$875,000 for the purpose of purchasing 6 parcels of land for a term of up to 20 years.

Reeve Drozd explained the public hearing process.

Tamara Molzahn, Director of Corporate Services, introduced Bylaw 5-2023 which received 1st reading at the September 5, 2023, Regular Council meeting.

Barrhead Agricultural Society representatives Jackie Miller, Brenda Visser, Colleen Branden, Lynn Down, Ken Anderson, and Anthony Oswald, provided general comments on the reasoning behind asking the County of Barrhead to provide the loan to the Barrhead Exhibition Association and Agricultural Society.

None in attendance spoke in opposition of Bylaw 5-2023.

Debbie Oyarzun, CAO, shared correspondence received from Mr. Mike Anderson regarding Bylaw 5-2023 showing support for the loan.

Reeve Drozd declared the Public Hearing closed at 1:23 p.m.

BYLAW 5-2023 – A LOAN BYLAW – THE BARRHEAD EXHIBITION ASSOCIATION AND AGRICULTURAL SOCIETY

- 2023-321 Moved by Deputy Reeve Schatz that Council postpone consideration of 2nd & 3rd reading of Loan Bylaw - The Barrhead Exhibition Association and Agricultural Society (Bylaw 5-2023) to the next regular meeting of Council on October 17, 2023.

Carried 5-1.

MOTION ARISING – BYLAW 5-2023

- 2023-322 Moved by Councillor Preugschas that Council ask the Barrhead Exhibition Association and Agricultural Society to consider making a downpayment or prepayment on the purchase of the land.

Defeated 5-1.

Tamara Molzahn departed the meeting at 1:46 p.m.

REPORT – COUNTY MANAGER

Debbie Oyarzun, County Manager, reviewed the 2023 Council Resolution Tracking List and provided further updates to Council on the following:

- Submitted request for Council to meet with the Minister of Transportation & Economic Corridors at the RMA Conference
- Conducting CPO interviews week of October 9, 2023
- Barrhead Regional Fire Services 7-10 day deployment of Tender 5 with 2 members to High Level as requested by province
- Budget Priorities Workshop to take place October 12, 2023
- Land Use Bylaw Review project status report scheduled for October 18, 2023
- Emergency Advisory Committee meeting scheduled for October 26, 2023
- Upcoming stakeholder discussion for the repurposing of the ADLC
- AAIP Rural Renewal – September report

- 2023-323 Moved by Councillor Lane that Council accept the County Manager report for information.

Carried Unanimously.

INFORMATION ITEMS

2023-324 Moved by Councillor Kleinfeldt that Council accept the following agenda item for information:

- News Release – Environmental Appeals Board hearing schedule dated September 27, 2023
- ASB Position Statement: Agriculture Extension – Provincial ASB Committee
- FCSS Minutes – dated June 15, 2023

Carried Unanimously.

COUNCILLOR REPORTS

Councillor Properzi reported on his attendance at the FCSS Strategic Planning sessions and the Celebration of Life for former Councillor Darrell Troock.

Councillor Preugschas reported on the ASB Position Statement regarding Agriculture Extension Model by the Provincial ASB Committee, update on the Attraction & Retention activities, attendance at the Community Garden grand opening, Pembina Zone meeting, and the Celebration of Life for former Councillor Darrell Troock.

Councillor Kleinfeldt reported on his attendance at a Library meeting, BARCC meeting, Pembina Zone meeting and the Celebration of Life for former Councillor Darrell Troock.

Councillor Lane reported on his attendance at a FCSS committee meeting, Ag Society meeting, Pembina Zone meeting, and the Celebration of Life for former Councillor Darrell Troock.

Deputy Reeve Schatz reported on his attendance at the Pembina Zone meeting and the Celebration of Life for former Councillor Darrell Troock.

Reeve Drozd reported on his attendance at the Quasi-Judicial Agency Committee that presented their report to RMA board, Pembina Zone 3 Reeve's & CAO's meet and greet with MLAs, FCSS Community Transportation meeting, Community Garden grand opening, time spent on County office duties, and the Celebration of Life for former Councillor Darrell Troock.

ADJOURNMENT

2023-325 Moved by Councillor Lane that the meeting adjourn at 2:31 p.m.

Carried Unanimously.



TO: COUNCIL

RE: BARRHEAD STREET FESTIVAL COMMUNITY GRANT – FINAL REPORT

ISSUE:

Barrhead Street Festival provided their final report as required under the Community Grant Policy AD-002.

BACKGROUND:

- August 15, 2023 – Council reviewed and approved the revised Community Grants Policy. Changes did not impact the Barrhead Street Festival Committee’s grant.
- April 18, 2023 – Council approved the Barrhead Street Festival for a \$2,500 grant to assist with their event.

ANALYSIS:

- Barrhead Street Festival has complied with the recipient’s responsibilities as stated in Section 3 of the Community Grants Policy.
 - Completed their event within 1 year of receipt of the funds (event held June 17, 2023).
 - Provided a final report form no more than 90 days after completion.
 - Used the funds in the manner set forth in the application.
 - There were no unused funds to return to the County
- Barrhead Street Festival provided a detailed financial statement for the completed event (attached).

ADMINISTRATION RECOMMENDS THAT:

Council receive for information the final report from Barrhead Street Festival as a grant recipient of \$2,500 under the Community Grants Policy.



Community Grant Final Report

Report Information:

This report must be submitted no more than 90 days after completion of project or event and prior to any new application.

Please submit completed reports to: County of Barrhead
5306-49 Street
Barrhead, AB T7N 1N5

or email: info@countybarrhead.ab.ca

For assistance completing your application, contact 780-674-3331 or info@countybarrhead.ab.ca

Project Report:

Name of Project or Event: Barrhead Street Festival

Number of Participants: 2000

Has the project or event met the goals set out in the Community Grant Application? Please comment.
The project exceeded everyone's expectations. The amount of traffic that went through the streets this day was absolutely amazing. I had numerous people come up to me that day and after giving us compliments

Were there any complications in the execution of the project or event?
Lack of volunteers really make it extremely hard to put this event on. I would say that we would have been short probably 10-20 people.

Describe the benefits seen in the community as a result of the completion of the project or event.
Its a wonderful day in which the entire county and town come together to benefit from a FREE event for the entire family. We saw young and old attend the event. I gave a few seniors some spray tattoos. It was really nice to see the street full of people. The entertainment at the Fire Department Burger fundraiser was a large hit as well.

Financial Report:

Funding:

Total Grant Amount: \$2500.00

Total Own Funding: \$7312.35

Total Funding: \$9812.35

(Grant + Own Funding)



Community Grant Final Report

Project Costs:

(When available, please attach item receipts or other supporting documents)


Materials / Items:	\$
Porta Potties	\$315.00
Bethany Kryger	\$375.00
Stacey	\$225.00
Regan McDonald	\$500.00
Glass Slipper Entertainment	\$1076.25
Caricature Artist	\$1200.00
Mr Inflatable	\$6113.10
Balloon Fairies	\$1008.00
	\$
	\$
	\$
	\$
	\$
	\$
	\$
In-Kind (please specify): Multi Level discount from	\$
Mr. Inflatable	\$(1000.00)
Volunteer Hours: \$20 / Hr x _____ Hours =	\$
Total Project Costs:	\$9812.35

Signature of Applicant or Authorized Representative

I (We) the undersigned, certify that this application is complete and accurate and that I (we) have the authority to sign on behalf of the organization.


 Signature _____
Michelle Rau
 Print Name and Title _____

September 10
Date _____


 Signature _____
Shannon Breslin
 Print Name and Title _____

September 10
Date _____

TO: COUNCIL

RE: 2023 PUBLIC AUCTION (TAX RECOVERY SALE) – RESERVE BID AND TERMS & CONDITIONS OF SALE

ISSUE:

Council is required to set the Reserve Bid and Terms & Conditions of Sale for FOUR (4) properties scheduled for public auction on December 6, 2023.

BACKGROUND:

- *Municipal Government Act (MGA) Division 8 Recovery of Taxes Related to Land* - outlines the rules to be followed by the County in the recovery of taxes.
- Tax Recovery Sale in 2023 are for tax rolls that are in tax arrears for 2020, 2021 & 2022.
 - June 6, 2023 (Resolution 2023-184) Council set the 2023 Public Auction to be December 6, 2023 at 2:00 pm in County of Barrhead Council Chambers and appointed the CAO as auctioneer
- County Assessor prepared an estimate of the market value for the list of properties that the County of Barrhead is required to offer for Tax Recovery Sale, by public auction.
- County Council annually approves reserve bids for properties that are under Tax Recovery Sale.
- October 14, 2023 - Tax Arrears List and notice of Public Sale was advertised in the *Alberta Gazette* and will be advertised in the *Barrhead Leader* on November 21, 2023.
- Auctioneer, Councillors, CAO, designated officers and employees of the municipality must not bid for, buy, or act as an agent in buying any parcel of land offered for sale, unless directed by the municipality to bid on or to buy a parcel of land on behalf of the County as per *MGA s.429*

ANALYSIS:

- Council is required to set the reserve bid and conditions of sale pursuant to *MGA, s.419*.
- Assessments were done on the property as of October 11, 2023 as follows (see attached for details):
 - Roll #160205005; Lot 5, Block 2, Plan 6147KS; (Moonlight Bay) NE 18-57-02-W5; \$90,000.
 - Roll #210104000; Lot 4, Block 1, Plan 7720058; (Tozer) NW 20-57-02-W5; \$130,000.
 - Roll #330001000; Lot 1, Plan 7922739 (Cambarr) SW 23-59-05-W5; \$50,000.
 - Roll #540062010; Lot 1, Plan 9926689; NW 6-60-04-W5; \$425,000.
- Property owners have up to the date and time of the public auction to pay their tax arrears or the property will be offered for sale.

- Terms & Conditions of Sale:
 1. Parcel(s) of land will be offered for sale subject to a reserve bid and to the reservations and conditions contained in the existing certificate of title.
 2. Land is being offered for sale on an “as is, where is” basis and the County of Barrhead No. 11 makes no representation and gives no warranty whatsoever as to the adequacy of services, soil conditions, land use districting, building and development conditions, absence, or presence of environmental contamination, or the developability of the subject land for any intended use by the purchaser.
 3. Once the property is declared sold at the public auction, the previous owner has no further right to pay the tax arrears.
 4. Purchaser shall be required to execute a sale agreement in the form and substance provided by the County of Barrhead.
 5. Successful purchaser shall, at the time of sale, make payment in Cash, Certified Cheque or Bank Draft payable to the County of Barrhead as follows:
 - a. The full purchase price; or
 - b. A 10% non-refundable deposit and the balance of the purchase price must be paid within 14 business days of the sale.
 6. GST will be collected on all properties subject to GST
 7. Risk of the property lies with the purchaser immediately following the auction.
 8. County of Barrhead may, after the public auction, become the owner of any parcel of land that is not sold at the public auction.
- Terms and conditions approved by Council and all properties on the tax arrears list including the reserve bid will be posted on the County website.

ADMINISTRATION RECOMMENDS THAT:

- Council approve the Reserve Bids set at market value as prepared by the County Assessor, for the properties listed on the 2023 Public Auction scheduled for December 6, 2023.
- Council approve the Terms & Conditions of Sale as presented for the 2023 Public Auction scheduled for December 6, 2023.

MEMORANDUM

Date: October 11, 2023
To: Debbie Oyarzun, County Manager
CC: Moria O'Neill, Municipal Clerk
From: Doug Smith, Property Assessor
Re: Market Evaluation for:
Plan 6147KS, Blk 2, Lot 5, Roll #160205005

Property Description:

7108 sq ft. parcel located 16 miles southeast of the Town of Barrhead in Moonlight Bay subdivision. An inspection was made October 10, 2023. It appears to have power, septic and a water system. There are two tandem bumper campers on site. There is a nice covered deck with an estimated value of \$10,000 next to one camper.

Conclusion:

Based on information available it is my opinion that the property would have a value of \$90,000 as of October 11, 2023. This value does not include the two campers.

Doug Smith, AMAA
Property Assessor



MEMORANDUM

Date: October 11, 2023
To: Debbie Oyarzun, County Manager
CC: Moria O'Neill, Municipal Clerk
From: Doug Smith, Property Assessor
Re: Market Evaluation for:
Plan 7720058, Blk 1, Lot 4, Roll #210104000

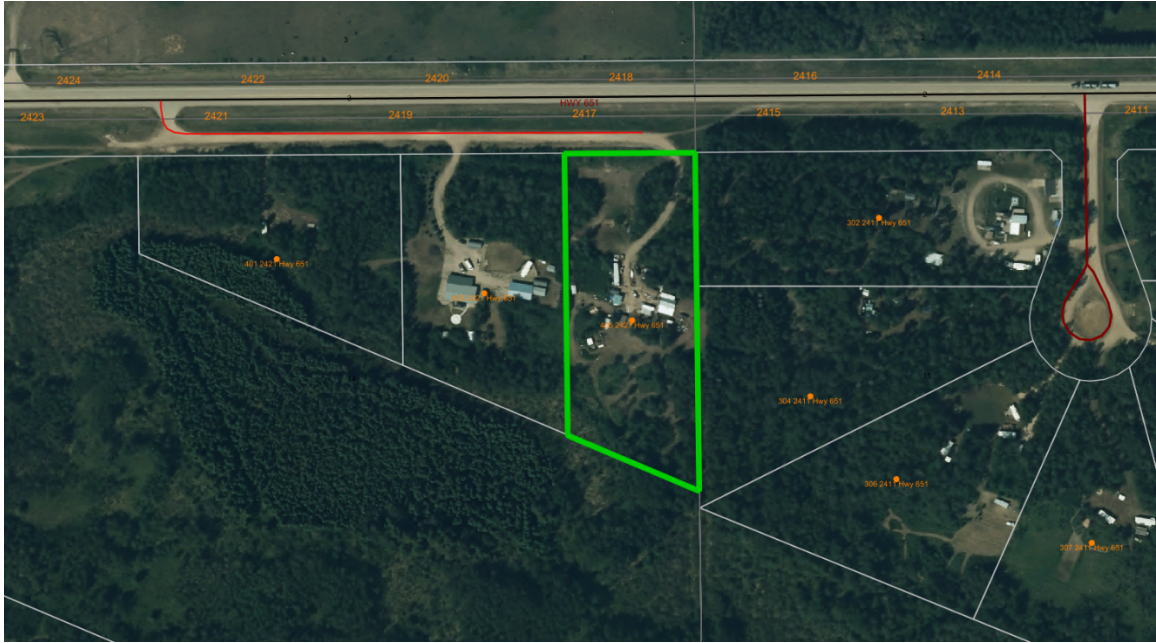
Property Description:

3 acre parcel located 15 miles southeast of the Town of Barrhead in Tozer subdivision. It borders Hwy 651. An inspection was made October 10, 2023. It appears to have power, a water system and septic though these are unknown. Did not have a good inspection as a watch dog was chained up by living quarters. There is a structure lived in which I will value at \$40,000. There are miscellaneous sheds as well as a 40 ft. seacan which I have placed a total value of \$20,000 for these. The property could use some TLC.

Conclusion:

Based on information available it is my opinion that the property would have a value of \$130,000 as of October 11, 2023.

Doug Smith, AMAA
Property Assessor



MEMORANDUM

Date: October 11, 2023
To: Debbie Oyarzun, County Manager
CC: Moria O'Neill, Municipal Clerk
From: Doug Smith, Property Assessor
Re: Market Evaluation for:
Plan 7922739 Lot 1, Roll #330001000

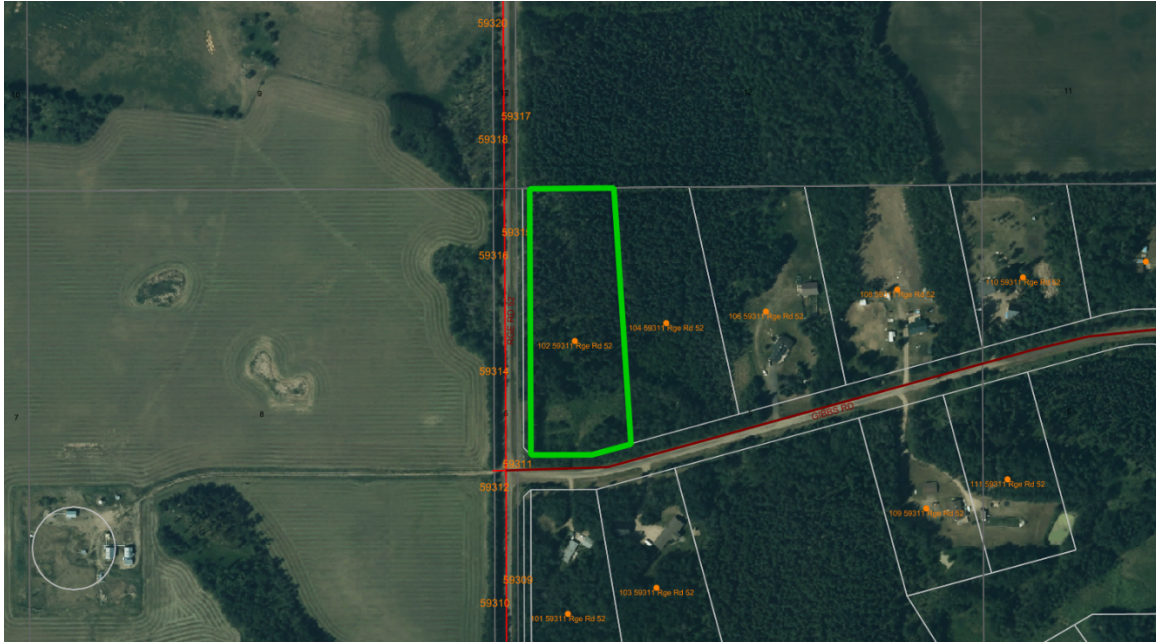
Property Description:

4.55 acre parcel located 9.5 miles west of the Town of Barrhead in Cambarr Estates subdivision. An inspection was made October 10, 2023. It is a vacant, unserviced treed lot. It is somewhat depressional with a few loads of fill piled on the lot.

Conclusion:

Based on information available it is my opinion that the property would have a value of \$50,000 as of October 11, 2023.

Doug Smith, AMAA
Property Assessor



MEMORANDUM

Date: October 11, 2023
To: Debbie Oyarzun, County Manager
CC: Moria O'Neill, Municipal Clerk
From: Doug Smith, Property Assessor
Re: Market Evaluation for:
Plan 9926689 Lot 1, NW-6-60-4-5, Roll #540062010

Property Description:

11.84 acre parcel located 10 miles northwest of the Town of Barrhead. A drive by inspection was made October 10, 2023. It has a 2002 1595 sq ft. home on basement. It also has a 2007 1489 sq ft. detached garage. The garage needs exterior covering, concrete floor and exterior overhead doors. Pictures attached were taken in 2012 but as of October 10, 2023 the property is still the same. It appears to need some TLC. The interior of home is unknown. The property does border water which would add value.

Conclusion:

Based on information available it is my opinion that the property would have a value of \$425,000 as of October 11, 2023.

Doug Smith, AMAA
Property Assessor







REQUEST FOR DECISION
OCTOBER 17, 2023

D

TO: COUNCIL

RE: LAND LEASE AGREEMENT – PT. OF NW 30-61-5-W5

ISSUE:

Land lease agreement on Pt. of NW 30-61-5-W5 will expire on December 31, 2023 and requires renewal.

BACKGROUND:

- Property which contains 14.5 acres of land titled to the County has been leased since 1994.
- Council has continued to renew this lease every 3 years with the following increases to the lease rate:
 - Initial lease was set at \$50.00 per year
 - 2006 lease was increased to \$55.00 per year
 - 2009 lease was increased to \$60.00 per year
 - 2015 lease was increased to \$65.00 per year
- September 20, 2023 – Tenant has paid the property taxes and confirmed his wish to continue leasing the land.

ANALYSIS:

- Lease of the land is for a buffer zone from the north side of the tenant’s property to the southwest boundary of Highway 33.
- Lease area is surrounded by County property, bordered by Highways 33 & 763, and would not be suitable to be leased to others.
- Land is mostly treed and not suitable for hay land or annual cropping and therefore the FCC Farmland Values report and calculation of rental rates is not applicable.
- Administration is recommending that all conditions of the lease agreement remain the same excluding the rental rate which could be increased to a total of \$70.00 per year for 14.5 acres.

STRATEGIC ALIGNMENT:

Renewal of the lease agreement supports the County Strategic Plan as follows:

PILLAR	4 Governance & Leadership
Outcome	<i>4 Council is transparent & accountable.</i>
Goal	4.2 County demonstrates open & accountable government.

ADMINISTRATION RECOMMENDS THAT:

Council authorize the Reeve and County Manager to renew the Lease Agreement for 14.5 acres within NW 30-61-5-W5 with the current tenant for the term January 1, 2024 until December 31, 2026 at a rate of \$70.00 per year.

This Agreement made effective the 1st day of January, 2024.

BETWEEN:

THE COUNTY OF BARRHEAD
5306 49TH Street, Barrhead
In the Province of Alberta T7N 1N5
(hereinafter referred to as the "County"), **First Party**

DOUGLAS HIEMSTRA
Of Box 49, Camp Creek, Alberta TOG OLO
(hereinafter referred to as the "Tenant"), **Second Party**

WHEREAS the County is the registered owner of certain lands in the Province of Alberta, which lands are described as Part of NW 30-61-5-W5, lying south and west of Road Plan 3262 PX, in the County of Barrhead containing 14.5 acres, more or less, as shown on the diagram contained in Schedule "A" attached hereto. (hereinafter referred to as the "Land");

AND WHEREAS the Tenant wishes to obtain access to and use of the Land as a buffer zone and for no other use;

AND WHEREAS the County is willing to lease the Land to the Tenant for the purpose as stated above.

NOW THEREFORE the Parties agree as follows:

LEASE TERMS

1. Subject to the terms and conditions of this lease agreement, the County hereby leases the Lands to the Tenant for a 3-year period commencing on the 1st day of January, 2024 and ending on December 31, 2026.
2. The parties agree that this lease will remain in effect until December 31, 2026 and may be renewed thereafter by agreement between the parties; however, the County reserves the right to re-negotiate the terms and price.
3. The parties agree that the lease price shall be \$70.00 for each calendar year.
4. Price of the lease totaling \$210.00 plus GST if applicable for the 3-year period shall be paid by the Tenant upon his entering into this agreement.
5. In addition to the lease price, the Tenant shall make property tax payments assessed against the property and on any improvements placed by the Tenant on the property in each and every year.
6. When the Tenant does not make payments of the lease or property taxes in accordance

with the terms and conditions of this Agreement, the current year's lease amount and any further lease payment owing for that year shall become due and payable immediately, and the County may again repossess and enjoy the lands as if this Agreement had not been executed.

7. County or a representative of the County has the right at all reasonable times to attend upon and inspect the lands. County reserves the right of entry and exit over and upon the lands in this Agreement.
8. Tenant will not change the natural course of any waterways on the lands, or cut down trees growing upon the lands, nor will they permit any other person to do so, without the written consent of the County.
9. Tenant shall not make any major improvements, other than what is considered normal repair and maintenance, to the lands or any other assets identified in this Agreement without written permission of the County. Major improvements, without restricting the generality of the term, shall include: water development, erosion control, fencing and building construction, clearing, breaking, and seeding to pasture and hay land. Such consent shall be attached to and form part of this lease agreement. The amount of compensation shall be an amount agreed upon by the County and Tenant. Title to all improvements shall vest in the County and no improvements shall be sold, removed, disposed of or encumbered without the written consent of the County.
10. In addition to but not to limit the generality of the above, the tenant agrees that there shall be no fertilizing or anything done to increase the carrying capacity of the land. There shall be no breaking ground with any equipment.
11. The parties acknowledge that this lease agreement is for the rent of land for the purpose of a buffer zone between the north side of the tenants property to the southwest boundary of Road Plan 3262 PX. As such, the County, as landowner, is entitled to any and all other sources of revenue generated by the land including but not limited to seismic activity, oil well lease, rights of way, government land use subsidies and insurance payments.
12. Tenant agrees to be responsible for all capital improvements or assets placed on the property.
13. Tenant agrees to repair and maintain the property and all buildings, fences, and other improvements in a manner and to a standard comparable to that at the commencement of the lease.

LANDLORD INDEMNIFICATION

1. Tenant agrees to provide access to the property and the right to use the property to any authorized person, if required, as protected by agreement for the purpose of access to and construction and maintenance or for any other purpose that may legally be done to the high-pressure pipeline within the property.
2. Tenant agrees that he has inspected the property and to his satisfaction, the property is suitable for the intended purpose.

3. Tenant agrees to compensate the County for any damages to the County's property caused by the Tenant, or any persons entering the premises with or on behalf of the Tenant.
4. Tenant shall indemnify and hold harmless the County of Barrhead, its employees and agents from any and all claims, liabilities, demands, actions and costs whatsoever that may arise, directly or indirectly, out of any act or omission of the Tenant, its contractors, sub-contractors, invitees, employees or agents in the performance by the Tenant of this Agreement.
5. Such indemnification shall survive termination or expiry of this Agreement and shall be binding upon the Tenant's principals, heirs, successors, executors, agents, and assignees.
6. During the Term, the Tenant is responsible for and shall insure, at its own expense and without limiting its liabilities herein, all its personal property and Tenant Improvements, including any other property the Tenant owns or has insurable interest in which is used in any way in connection with the Tenant's occupation of the Land, against accidental loss or damage including loss of use thereof, and such policy shall be endorsed to be primary and not require pro rata sharing of any coverage of the County. The Tenant is responsible for the payment of all deductible amounts and / or premiums under such policy.
7. Tenant shall obtain and maintain Personal Liability Insurance against bodily injury, personal injury, and any other type of loss, damage, or injury in an amount not less than Two Million (\$2,000,000.00) Dollars and if necessary, a greater amount adequate to cover the Tenant's potential legal liability. Such insurance shall include coverage for the Tenant's employees, agents, guests and invitees.
8. Certificates evidencing insurance in a form acceptable to the County must be provided to the County on or before the Commencement Date and thereafter shall be made available to the County upon request.

TERM OF LEASE

1. The parties agree that this lease will remain in effect until December 31, 2026 and may be renewed thereafter by agreement/negotiation between the parties; however, the Landlord reserves the right to re-negotiate the terms and price.
2. The parties agree that either party may terminate this lease by serving written notice to the other party 3 months prior to that effect.

SEVERABILITY

1. If any provision of this Agreement is invalid or unenforceable to any extent, all other provisions of this Agreement shall, nevertheless, remain in full force and effect. No provision of this Agreement shall be deemed dependent on any other provision unless expressly so stated herein.

IN WITNESS WHEREOF, the parties have executed this Agreement with full force and binding effect as of the day and year first above written.

COUNTY - County of Barrhead

Reeve

Seal

County Manager

SIGNED in the presence of:

TENANT – Douglas Hiemstra

WITNESS

AFFIDAVIT OF EXECUTION

CANADA) I, _____,
)
PROVINCE OF ALBERTA) of _____, in the
)
TO WIT:) Province of Alberta, **MAKE OATH AND SAY:**

1. THAT I was personally present and did see Douglas Hiemstra, named in the within instrument, who is personally known to me to be the person named therein, duly sign and execute the same for the purpose(s) named therein.

OR

1. THAT I was personally present and did see Douglas Hiemstra, named in the within instrument, who, on the basis of the identification provided to me, I believe to be the person named therein, duly sign and execute the same for the purpose(s) named therein.
2. THAT the same was executed at Barrhead, in the Province of Alberta, and that I am the subscribing witness thereto.
3. THAT I believe that the person whose signature(s) I witnessed is at least eighteen (18) years of age.

SWORN before me at the _____ of)
Barrhead, in the Province of Alberta, this _____)
day of _____, 20_____.)
)
)
)
_____)

A Commissioner for Oaths in and for the Province of Alberta

Schedule A





TO: COUNCIL

RE: AGRICULTURAL LEASE AGREEMENT – PT. OF SE 25-61-6-W5

ISSUE:

Agricultural lease agreement on Pt. of SE 25-61-6-W5 will expire on December 31, 2023 and requires renewal.

BACKGROUND:

- Property has been leased since 1984
- Council has continued to renew this lease every 3 years with the following increases to the lease rate:
 - Initial lease was set a \$12.00 per acre
 - 2003 lease was increased to \$21.00 per acre
 - 2006 lease was increased to \$23.00 per acre
 - 2009 lease was increased to \$25.00 per acre
- October 5, 2023 – Tenant confirmed his wish to continue leasing the land.

ANALYSIS:

- The lease of the land is for the purpose of a hay crop and for no other use.
- The lease area is only accessed through the current tenants' property at NE 24-61-6-W5 and would therefore not be suitable to lease to others.
- Administration is recommending that all conditions of the lease agreement remain, excluding the rental rate which could be increased to \$30.00 per acre for 13 acres of arable land for a total of \$390 annually.

STRATEGIC ALIGNMENT:

Renewal of the Agricultural Lease Agreement supports the County Strategic Plan as follows:

PILLAR	4 Governance & Leadership
Outcome	<i>4 Council is transparent & accountable.</i>
Goal	4.2 County demonstrates open & accountable government.

ADMINISTRATION RECOMMENDS THAT:

Council authorize the Reeve and County Manager to renew the Lease Agreement for 13 acres within SE 25-61-6-W5 with the current tenant for the term January 1, 2024 until December 31, 2026 at an annual rate of \$30.00 per acre.

This Agreement made in duplicate this 1st day of January, 2024.

BETWEEN:

THE COUNTY OF BARRHEAD
5306 49TH Street, Barrhead
In the Province of Alberta T7N 1N5
(hereinafter referred to as the "Landlord"), **First Party**

JOHN LITKE
Of Box 10, Camp Creek, Alberta TOG OLO
(hereinafter referred to as the "Tenant"), **Second Party**

WHEREAS the Landlord is the registered owner of certain lands in the Province of Alberta, which lands are described as SE 25-61-6-W5;

AND WHEREAS the Tenant wishes to obtain access to and use of a portion of the land (hereinafter referred to as the "Land"), as shown outlined in green at Schedule A containing 13 acres more or less, for agricultural purposes, more specifically for the purpose of a hay crop and for no other use;

AND WHEREAS the Landlord is willing to lease the Land to the Tenant for agricultural purposes as stated above.

NOW THEREFORE the Parties agree as follows:

1. LEASE TERMS

- a) This lease shall be for a three-year period commencing on the 1st day of January, 2024 and ending on December 31, 2026.
- b) The parties agree that the lease price shall be based on **\$30.00 per acre for each calendar year (13 acres \$30.00/acre = \$390.00 each calendar year)**
- c) The annual lease price shall be paid on or before January 31 in each year except the annual lease price for the calendar year 2024 shall be paid by the Tenant upon his entering into this lease agreement.
- d) In addition to the lease price, the Tenant shall make property tax payments assessed against the property and on any improvements placed by the Tenant on the property in each and every year.
- e) When the Tenant does not make payments of the annual lease or property taxes in accordance with the terms and conditions of this Agreement, the current year's lease

amount and any further lease payment owing for that year shall become due and payable immediately, and the Landlord may again repossess and enjoy the lands as if this Agreement had not been executed.

2. GENERAL

- a) The Landlord or a representative of the Landlord has the right at all reasonable times to attend upon and inspect the lands. The Landlord reserves the right of entry and exit over and upon the lands in this Agreement.
- b) The Tenant will not change the natural course of any waterways on the lands, or cut down trees growing upon the lands, nor will they permit any other person to do so, without the written consent of the Landlord. The Tenant shall not make any major improvements, other than what is considered normal repair and maintenance, to the lands or any other assets identified in this Agreement without written permission of the Landlord. Major improvements, without restricting the generality of the term, shall include: water development, erosion control, fencing and building construction, clearing, breaking, and seeding to pasture and hay land. Such consent shall be attached to and form part of this lease agreement. The amount of compensation shall be an amount agreed upon by the Landlord and Tenant. Title to all improvements shall vest in the Landlord and no improvements shall be sold, removed, disposed of or encumbered without the written consent of the Landlord.
- c) The Landlord and Tenant acknowledge that this lease agreement is for the rent of land for the purpose of a hay crop and the Landlord acknowledges that the tenant may seed a cereal cover crop to assist in the establishment of a new forage stand. As such, the Landlord, as landowner, is entitled to any and all other sources of revenue generated by the land including but not limited to seismic activity, oil well lease, rights of way, government land use subsidies and insurance payments.
- d) The Tenant agrees to be responsible for all capital improvements or assets placed on the property.
- e) The Tenant agrees to repair and maintain the property and all buildings, fences, and other improvements in a manner and to a standard comparable to that at the commencement of the lease.

3. LANDLORD INDEMNIFICATION

- a) The Tenant acknowledges that it has inspected the Land and is satisfied with the state of repair and condition of the Land and will immediately report to the Landlord any and all damage that may occur.
- b) The Tenant agrees to compensate the County of Barrhead for any damages to the property caused by the Tenant, or any persons entering the premises with or on behalf of the Tenant.
- c) The Tenant shall indemnify and hold harmless the County of Barrhead, its employees

and agents from any and all third party claims, demands, actions and costs whatsoever that may arise, directly or indirectly, out of any act or omission of the Tenant, its contractors, sub-contractors, invitees, employees or agents in the performance by the Tenant of this Agreement.

- d) Such indemnification shall survive termination or expiry of this Agreement and shall be binding upon the Tenant's principals, heirs, successors, executors, agents, and assignees.
- e) During the Term, the Tenant is responsible for and shall insure, at its own expense and without limiting its liabilities herein, all its personal property and Tenant Improvements, including any other property the Tenant owns or has insurable interest in which is used in any way in connection with the Tenant's occupation of the Land, against accidental loss or damage including loss of use thereof, and such policy shall be endorsed to be primary and not require pro rata sharing of any coverage of the Landlord. The Tenant is responsible for the payment of all deductible amounts and / or premiums under such policy.
- f) The Tenant shall obtain and maintain Personal Liability Insurance against bodily injury, personal injury, and any other type of loss, damage, or injury in an amount not less than Two Million (\$2,000,000.00) Dollars and if necessary, a greater amount adequate to cover the Tenant's potential legal liability. Such insurance shall include coverage for the Tenant's employees, agents, guests and invitees.
- g) Certificates evidencing insurance in a form acceptable to the Landlord must be provided to the Landlord on or before the Commencement Date and thereafter shall be made available to the Landlord upon request.

4. TERM OF LEASE

- a) The parties agree that this **lease will remain in effect until December 31, 2026** and may be renewed thereafter by agreement/negotiation between the parties; however, the Landlord reserves the right to re-negotiate the terms and price.
- b) The parties agree that either party may terminate this lease by serving written notice to the other party 3 months prior to that effect.

5. SEVERABILITY

- a) If any provision of this Agreement is invalid or unenforceable to any extent, all other provisions of this Agreement shall, nevertheless, remain in full force and effect. No provision of this Agreement shall be deemed dependent on any other provision unless expressly so stated herein.

IN WITNESS WHEREOF, the parties have executed this Agreement with full force and binding effect as of the day and year first above written.

LANDLORD - County of Barrhead

Reeve

Seal

County Manager

SIGNED in the presence of:

TENANT – John Littke

WITNESS

AFFIDAVIT OF EXECUTION

=====

CANADA) I, _____
)
PROVINCE OF ALBERTA) of _____, in the Province of Alberta,
)
TO WIT:) _____ (occupation)

MAKE OATH AND SAY:

1. THAT I was personally present and did see John Littke, named in the within instrument, who is personally known to me to be the person named therein, duly sign and execute the same for the purpose(s) named therein.

OR

1. THAT I was personally present and did see John Littke, named in the within instrument, who, on the basis of the identification provided to me, I believe to be the person named therein, duly sign and execute the same for the purpose(s) named therein.
2. THAT the same was executed at Barrhead, in the Province of Alberta, and that I am the subscribing witness thereto.
3. THAT I believe that the person whose signature(s) I witnessed is at least eighteen (18) years of age.

SWORN before me at the _____ of)
Barrhead, in the Province of Alberta, this _____)
day of _____, 20_____.)

) _____
)
)
)
) _____)
_____)

A Commissioner for Oaths in and for the Province of Alberta

SCHEDULE A





TO: COUNCIL

RE: COMMUNITY HALL BUILDING CONDITION ASSESSMENTS

ISSUE:

Council to award the tender to conduct Building Condition Assessments (BCAs) on each of the 14 community halls in the County as a deliverable identified in the Community Hall Strategy.

BACKGROUND:

- A BCA provides valuable high-level information and insight into the condition and lifespan of a facility.
 - During engagement sessions, Community Halls expressed a need for this type of information to support viability discussions and inform future planning.
- Supporting Community Hall BCAs has been recommended under 2 goals in the County's Community Hall Strategy:
 - Viability (Goal 5): "Support or coordinate Building Condition Assessments"
 - Upgrade Facilities (Goal 6): "Support implementation of Building Condition Assessments"
- Contracting an architectural firm to complete BCAs on 14 community halls was deemed not financially feasible. Instead, local contractors were contacted regarding their ability to support the project.
 - September 12, 2023: County sent RFQ to 13 local contractors & construction firms, inquiring about interest in completing BCAs on each of the 14 local Community Halls.

ANALYSIS:

- Contractors were asked to provide a quotation for a high-level (visual review) BCA on each Community Hall in the County. Where possible, the assessment should:
 - Advise of any urgent repairs, replacements, or upgrades that should be made immediately.
 - Estimate the lifespan of the building's elements & systems.
 - Estimate costs to repair or replace components.
- To manage costs, some required & optional items were identified:
 - Required:
 - a. Structural & building envelope
 - b. Mechanical & electrical systems
 - Optional (may be performed in part by the County & Barrhead Fire Services if necessary):
 - c. Life safety systems, code compliance & accessibility (as certified)
 - d. Site & site components

- 3 responses were received, 1 of whom was not interested in the project.
 - 2 remaining quotations are as follows:

Business Name	Quoted Cost	Estimated Cost	Estimated Timeline to Start
Jiffy Construction	\$1,000 per small hall (4) \$1,200 per large hall (10)	\$16,000	Late October/November 2023
QMS Ltd.	\$1,200 per hall (max 14)	\$16,800	Early 2024

- Community Halls have been asked to confirm a contact to participate in this project. Although Community Halls expressed a need for the information that a BCA will provide, not all halls may be interested in participating for a variety of reasons such as they are considering dissolution, reasonably confident in the condition of their facility, etc.
- This project is currently unfunded in 2023, however aligns with the purpose and use of the Community Organizational Reserve. Funding for this project could come from this Reserve. Council could also elect to fund the project from Current Year Surplus.

STRATEGIC ALIGNMENT:

Supporting Building Condition Assessments for rural Community Halls aligns with the Community Hall Strategy and the County 2022-2026 Strategic Plan in the following area:

PILLAR	3 Rural Lifestyle
Outcome	<i>3 County maintains its rural character and is recognized as a desirable location to invest, work, live and play.</i>
Goal	3.1 County has an inventory of natural and community assets.
Strategy	3.1.2 Develop a Community Hall Strategy and inventory of historic features.

ADMINISTRATION RECOMMENDS THAT:

Council award the tender for Community Hall Building Condition Assessments to Jiffy Construction at a maximum cost of \$16,000, and further that funds be drawn from the Community Organizational Reserve.

DO/av



REQUEST FOR DECISION
OCTOBER 17, 2023



TO: COUNCIL

RE: BYLAW 6-2023 – RATES & FEES BYLAW

ISSUE:

Rates & Fees Bylaw 6-2023 requires approval by Council.

BACKGROUND:

- January 16, 2023 - Council approved Bylaw 1-2023 Rates & Fees Bylaw.
- September 1, 2023 – MPS updates their fees for subdivisions

ANALYSIS:

- Proposed changes to the schedule of the Rates & Fees Bylaw are as follows and included as red line edits on attached:

Category	Item	Amendment
Planning & Development	Development Application for “As Built”	Change wording for better understanding
	Subdivision Fees	NEW Add clause for reference to MPS fee schedule
	Subdivision Application Fees	Remove all reference to fees
	Development or Subdivision Appeal to Subdivision and Development Appeal Board	Change fee from \$150 to \$250
Public Works	Motor Graders <ul style="list-style-type: none"> • proposed change to cover fuel & equipment costs 	Change rate from \$147 to \$200 / hour & minimum charge from \$35 to \$50
	Grader Flags	Change rate from \$35 to \$50 per 15 minutes of work
	Used Grader Blades <ul style="list-style-type: none"> • due to increased cost of blades 	Change rate from \$0.11 per foot to \$0.27 per foot

- Passing of Rates & Fees Bylaw 6-2023 will repeal Bylaw 1-2023.
- New rates and fees will be in effect following 3rd and final reading of Rates & Fees Bylaw 6-2023.

STRATEGIC ALIGNMENT:

Maintaining the Rates & Fees Bylaw aligns with the County Strategic Plan as follows:

PILLAR 4: GOVERNANCE & LEADERSHIP

GOAL 2 County demonstrates open & accountable government.

ADMINISTRATION RECOMMENDS THAT:

Council consider 3 readings of Rates & Fees Bylaw 6-2023 as presented.



COUNTY OF BARRHEAD NO. 11

Province of Alberta

BYLAW NO. 6-2023

RATES & FEES BYLAW

(Repealing Rates & Fees Bylaw No. 1-2023)

Page 1 of 1

A BYLAW OF THE COUNTY OF BARRHEAD NO. 11, in the Province of Alberta, to establish rates and fees for the provision of goods and services by the municipality.

WHEREAS pursuant to Section 7 of the *Municipal Government Act*, RSA 2000, c. M-26, as amended from time to time, Council has the authority to pass bylaws related to the delivery of services provided by or on behalf of the municipality; and

WHEREAS the County provides a variety of services and supplies to the public for a fee; and

WHEREAS the *Freedom of Information and Protection of Privacy (FOIP) Act*, RSA 2000, Chapter F-25, as amended from time to time, authorizes a local public body to by bylaw set any fees the local public body requires to be paid under the *FOIP Act*, which must not exceed the fees provided for in the regulations; and

WHEREAS Council may amend rates and fees from time to time;

NOW THEREFORE, the Council of the County of Barrhead No. 11, duly assembled, and under the authority of the *Municipal Government Act*, as amended, hereby enacts the following:

- 1.0** This Bylaw may be cited as “Rates & Fees Bylaw”
- 2.0** That the Schedule of Rates & Fees attached to Bylaw No. 6-2023 sets out fees for services, products, permits, and approvals provided by the County of Barrhead.
- 3.0** Bylaw No. 1-2023 is repealed following final reading of Bylaw No. 6-2023.
- 4.0** This Bylaw No. 6-2023 shall come into full force and take effect upon third and final reading.

FIRST READING GIVEN THE ____ DAY OF _____, 2023.

SECOND READING GIVEN THE ____ DAY OF _____, 2023.

THIRD READING GIVEN THE ____ DAY OF _____, 2023.

Reeve Seal

County Manager



DRAFT Rates and Fees

Bylaw 6-2023
Effective: October 17, 2023

General Administration

Service:	Related Policy:	Unit:	Fee:	With GST:	GST:
----------	-----------------	-------	------	-----------	------

E=Exempt
T=Taxable

Finance Charges:

NSF Fee		Each	\$ 35.00		E
Finance Charge on Overdue Accounts		Each	1.5% per month		E

Assessment Complaint Fees

Assessment Complaint Fee - Residential - 3 or fewer units		Per roll	\$ 50.00		E
Assessment Complaint Fee - Residential - 4 or more units		Per roll	\$ 200.00		E
Assessment Complaint Fee - Non-Residential		Per roll	\$ 200.00		E

Access to Information:

Tax Certificates	11.10-04	Per parcel	\$ 25.00		E
Assessment Information	11.10-03	Per parcel	\$ 4.76	\$ 5.00	T
Tax Notification Registration on Parcel of Land	---	Per parcel, plus any fees and charges levied by the Land Titles Office	\$ 30.00		E
Tax Notification Registration on Manufactured Home	---	Per manufactured home, plus fees and charges levied by Alberta Registry	\$ 30.00		E
Copies of Minutes	---	Per page	\$ 0.48	\$ 0.50	T
Copies of Information that is not required to be withheld or restricted	---	Per page	\$ 0.48	\$ 0.50	T
Receiving and Responding to FOIPP Requests		Initial fee (non-continuous request)	\$ 25.00		E
		Initial fee (continuing request)	\$ 50.00		E



DRAFT Rates and Fees

Bylaw 6-2023
Effective: October 17, 2023

	Searching for, locating and retrieving a record; producing copies of records; preparing and handling of records for disclosure; supervising the examination of a record; shipping records	---	As established by provincial regulations that may be amended from time to time.	---		E
Address Change at Land Titles		---	Per title	First title free, any over are \$2.00 each		E

General Services:

Photocopying Service for general public	Colour copies	12.21	Per page	\$ 0.50	\$ 0.53	T
	Black & white	12.21	Per page	\$ 0.15	\$ 0.16	T
Fax Transmittal	Public use, within North America	12.22	Per page	\$ 0.52	\$ 0.55	T
	Public use, international	12.22	Per page	\$ 2.47	\$ 2.59	T
	Municipal staff, local transmittals	12.22		No charge		T
	Municipal staff, within North America OR international	12.22		Actual cost of transmittal		T
Land Ownership Maps		---	Each	\$ 14.29	\$ 15.00	T
Wastewater Dumping Fee	Single Axle Truck	41.05	Per Load	\$ 50.00		E
	Dual or Tri-Axle Truck	41.05	Per load	\$ 65.00		E
	Loads from the Lightning Bay Condominium properties	41.05		Exempt from dumping fee		E
Municipal Campgrounds			Per night, per unserviced site	\$ 14.29	\$ 15.00	T

Planning & Development

Service:	Related Policy:	Unit:	Fee:	With GST	GST:
----------	--------------------	-------	------	-------------	------

E=Exempt
T=Taxable

Development:

Development Application - Permitted	61.11	Each	\$ 100.00		E
Development Application - Discretionary	61.11	Each	\$ 200.00		E
Development Application - Commercial/Industrial	61.11	Each	\$ 200.00		E
Development Application for Natural Resource Extraction	61.11	Each	\$ 1,500.00		E
Development Application for "As Built" Fee required if permit has not been applied for prior to the build	61.11	Each	2 times permit fee, proceeding without permit		E
Application for Development Permit Time Extension	61.11	Each	\$ 100.00		E

Subdivision:

Subdivision Fees	Refer to Municipal Planning Services Fee Schedule					
Subdivision Application Fees	For applications up to three lots, including any remainder:	61.05	Includes \$150.00 fee per lot to be created, which is the County of Barrhead fee collected by Municipal Planning Services and forwarded to the County of Barrhead	\$700, plus \$250 per lot	-\$735.00 -\$262.50	⌘
	For applications of four or more lots, including any remainder:	61.05	Plus Title Search Fees Plus Endorsement Fees	\$700, plus \$400 per lot	-\$735.00 -\$420.00	⌘
Subdivision Endorsement Fees	For applications other than those affecting previously subdivided lots or quarter sections, or lot split:	61.05	Includes authorized fee for Municipal Planning Services (\$100)	-\$100, plus \$150 per lot created	-\$105.00 -\$157.50	⌘
Amendment to Subdivision Application		—	Per application	\$ 250.00	\$ 262.50	⌘
Subdivision Time Extension Application		61.05	Per application	\$ 250.00	\$ 262.50	⌘

Rates and Fees

Application for Subdivision Plan Cancellation	61.05	Per application	\$ 100.00		E
---	-------	-----------------	----------------------	--	---

Copies of Documents:

Area Structure Plan - Copy	61.11	Each	\$ 19.05	\$ 20.00	T
Land Use By-Law - Copy	61.11	Each	\$ 47.62	\$ 50.00	T
Municipal Development Plan - Copy	61.11	Each	\$ 47.62	\$ 50.00	T

Other Applications:

Land Use By-Law Amendment Application, Municipal Development Plan, Area Structure Plan, Inter-Municipal Development Plan, or any other Statutory Plan Amendment Application	61.11	Per application, plus costs including advertising, planner, engineer	\$ 500.00		E
Application for Separation of Title	MGA 652(4)	Per application	\$ 850.00	\$ 892.50	T
Application for Condominium Plan Consent	---	Per unit	\$ 50.00	\$ 52.50	T

Other Documentation:

Appraisals	61.05	Each	\$ 100.00		E
Compliance Letters	---	Each, with Real Property Report	\$ 50.00		E
Encroachment Agreement	61.11	Each, plus agreement registration costs	\$ 200.00		
Development or Subdivision Appeal to Subdivision and Development Appeal Board	---	Per individual appeal	\$ 150.00 \$ 250.00		E

Rates and Fees

Public Works

Service:	Related Policy:	Unit:	Fee:	With GST	GST
----------	-----------------	-------	------	----------	-----

E=Exempt
T=Taxable

Gravel:

Gravel, Sand Sale Charges	Crushed Gravel	---	Per cubic yard	\$15.00, plus hauling costs	\$ 15.75	T
	Pitrun Gravel	---	Per cubic yard	\$6.00, plus hauling costs	\$ 6.30	T
	Sand	---	Per cubic yard	\$1.50, plus hauling costs	\$ 1.58	T
Gravel Haul Rate	Basic loading factor	---	Per cubic yard	\$2.00	\$ 2.10	T
	Hauling	---	Per cubic yard mile	\$0.24	\$ 0.25	T

Sales and Rentals:

Equipment Rental	Equipment rental, with the exception of motor graders and grader flags	---		90% of current rates established by Alberta Road Builders & Heavy Construction Association (ARHCA)		T
	Motor Graders:	---	Per hour	\$140.00 190.48 , with a minimum charge of \$35.00 47.62	\$147.00 200.00 (minimum charge \$36.75 50.00)	T
	Grader Flags	---	Per 15 minutes of work	33.33 47.62	35.00 50.00	T

Rates and Fees

Material Sales	Used culverts	---	Each	Up to 50% of new purchase price dependent on condition of culvert, sale price to be determined by Director of Infrastructure.		T
	Used grader blades	---	Per foot	0.10 0.25	0.11 0.27	T
	Other new and used materials available for sale from the Public Works Department,	---	Each	Sale price to be determined by Director of Infrastructure in consultation with CAO (County Manager).		T
Private Dust Control - MG30 Application		32.12	Per lineal foot, minimum of 400 lineal feet to a maximum of 1,000 lineal feet	\$1.50 / lineal foot	\$ 1.58	T

Services:

Public Works Labour Rate	Charged out for mechanical and other work done by County of Barrhead Public Works shop personnel externally to other organizations.	---	Per hour	\$100		
--------------------------	---	-----	----------	-------	--	--

Other Rates and Fees:

Approach Inspection Fee	32.34	Each	\$285.71	\$ 300.00	T
Pipeline Crossing Requests	32.35	Each	\$285.71	\$ 300.00	T



Rates and Fees

Bylaw 6-2023
Effective October 17, 2023

Agricultural Services

Service:	Related Policy:	Unit:	Fee:	With GST	GST:
					E=Exempt T=Taxable
Sprayer Rental:					
Backpack Sprayer (3 gal)	AG-002	Per day	\$ 4.76	\$ 5.00	T
	Deposit AG-002		\$ 50.00		E
Towable Pasture Sprayer (150 gal)	AG-002	Per day	\$ 28.57	\$ 30.00	T
	Deposit AG-002		\$ 150.00		E
Towable Estate Sprayer (30 gal)	AG-002	Per day	\$ 19.05	\$ 20.00	T
	Deposit AG-002		\$ 100.00		E
Quad Mount Sprayer (15 gal)	AG-002	Per day	\$ 19.05	\$ 20.00	T
	Deposit AG-002		\$ 100.00		E
Spray Crew, includes one truck, two Pesticide Applicators and Herbicide.	---	Per hour (1 hour minimum - 15 minute increments after)	\$ 76.19	\$ 80.00	T
Seeder Rental:					
Seeder - Hand Held Belly Grinder (20 lb)	AG-002	Per day*	\$ 4.76	\$ 5.00	T
	Deposit AG-002		\$ 50.00		E
Seeder - Towable Broadcast(12 bu)	AG-002	Per day*	\$ 23.81	\$ 25.00	T
	Deposit AG-002		\$ 100.00		E
Seeder - Quad Mount (3 bu)	AG-002	Per day*	\$ 19.05	\$ 20.00	T
	Deposit AG-002		\$ 100.00		E
Pest Control:					
Magpie trap	AG-002	Per week*	\$ 9.52	\$ 10.00	T
	Deposit AG-002		\$ 100.00		E
Skunk trap	AG-002	Per week*	\$ 9.52	\$ 10.00	T
	Deposit AG-002		\$ 100.00		E
Fox trap	AG-002	Per week	\$ 9.52		
	Deposit AG-002		\$ 100.00		E



Rates and Fees

Bylaw 6-2023
Effective October 17, 2023

Squirrel trap	AG-002	Per week*	\$ 9.52	\$ 10.00	T
	Deposit AG-002		\$ 100.00		E
RO-CON Gopher Machines (200 L)	AG-002	Per day	\$28.57, plus cost of chemicals	\$ 30.00	T
	Deposit AG-002		\$ 100.00		E
Beaver Control under the Beaver Program (or Full cost recovery for dam removal using mechanical or explosive means)	AG-001	Per week	\$250 for first week, \$150 for subsequent weeks	\$262.50 \$157.50	T

Other Equipment-Rentals:

Cattle Squeeze with Scale	AG-002	Per day	\$ 66.67	\$ 70.00	T
	Deposit AG-002		\$ 200.00		E
Tree Planter	AG-002	---	No charge		---
	Deposit AG-002		\$ 50.00		E
Grain Bag Roller	AG-002	---	No charge		---
	Deposit AG-002		\$ 200.00		E
Plastic Mulch Applicator	AG-002	---	No Charge		
	Deposit AG-002		\$ 200.00		E
Weigh Wagon	AG-002	Per day	\$ 57.14	\$ 60.00	T
	Deposit AG-002		\$ 200.00		E
Soil Probe	AG-002	---	No charge		---
	Deposit AG-002		\$ 50.00		E
Hay Probe	AG-002	---	No charge		---
	Deposit AG-002		\$ 50.00		E

Other Rental Rates:

Equipment with daily rates picked up on Friday and returned Monday (a.m)	AG-002	Weekend rate	1.5 times daily rental rate		T
Cleaning costs	AG-002	Each	\$40.00		T

Fire Department (Policies 2002-141, 2009-041)

NB: Alberta Transportation sets the Rates of Reimbursement for Fire Department Units Responding within a Provincial Right of Way. PLEASE SEE THE END OF THIS SECTION FOR THE CURRENT RATES. Alberta Transportation will reimburse for the municipality's fire department to respond within a Provincial Right of Way.

Service:	Unit:	Fee:
----------	-------	------

Trucks and Firefighters:

2007 – Pierce 104 Foot Ladder/Platform (Tower-6)	Per hour	\$600.00
2006 Freightliner - Rosenbauer Triple Fire Pumper Truck (Engine-33)	Includes maximum of five firefighters Per hour	\$500.00
2008 Freightliner – Rosenbauer Pumper Tanker Truck (Tender-34)	When utilized for fire fighting purposes - Includes maximum of two firefighters	Per hour \$400.00
	When utilized for water tanker purposes - Includes maximum of two fire fighters	Per hour \$250.00
Command Vehicle - 2014 Dodge ¾ Ton Power Wagon (Command-2)	Includes maximum one fire fighter Per hour	\$150.00
Command Vehicle - 2019 Dodge ¾ Ton Power Wagon (Command-1)	Includes maximum one fire fighter Per hour	\$150.00
2020 Spartan - Fort Garry Pumper Truck (Engine - 37)	Included maximum of six firefighters Per hour	\$500.00
2011 Freightliner – Rosenbauer Heavy Rescue Truck (Rescue-8)	Includes maximum six fire fighters Per hour	\$400.00
2014 Kenworth Water Truck (Tender-5)	Includes maximum two fire fighters Per hour	\$300.00
2020 Chev Silverado 3500HD (Rapid Attack Truck-1)	Includes maximum four fire fighters Per hour	\$250.00



Rates and Fees

Bylaw 6-2023
Effective October 17, 2023

2012 Polaris Off Road Side by Side (Wildland-1)	Includes maximum two fire fighters	Per hour	\$150.00
Firefighter Labour Rate		Per hour, per firefighter	\$35.00

Other Equipment and Services:

Contracted Equipment and Services		At Cost
K-Size Air Bottle Fill for External Groups and Agencies	Per bottle	\$50.00
E/D Size Air Bottle Fill for External Groups and Agencies	Per bottle	\$10.00
Small Air Bottle Fill for Avalanche Packs for Groups and Agencies external to the municipality	Per bottle	\$10.00
Historical Search (Time used to look into property outstanding orders, call to or changes recommended to the property)	Per property	\$50.00
Standard Floor Dry	Each	Actual cost of product plus 10% processing fee for shipping and handling
Special Bio, or Chemical Dry	Each	Actual cost of product plus 10% processing fee for shipping and handling

Rates and Fees

Foam Class "A"	Each	Actual cost of product plus 10% processing fee for shipping and handling
Foam Class "B"	Each	Actual cost of product plus 10% processing fee for shipping and handling
Foam Class Fire Aid	Each	Actual cost of product plus 10% processing fee for shipping and handling
Administration Fee (Time used to enter data or perform tasks outside normal duties)	Per hour	\$75.00
Investigative Fee (Time used by trained members to search for cause and determination of an incident)	Per hour	\$100.00

Alberta Transportation Rates of Reimbursement for Fire Department Units Responding within a Provincial Right of Way:

Ladder and pumper trucks	<ul style="list-style-type: none"> • Includes equipment costs, labour, and all materials. • These are specialized pieces of equipment specifically designed and built to fight fires. 	Per hour	\$615.00
--------------------------	---	----------	----------

Rates and Fees

Light & medium rescue vehicles	<ul style="list-style-type: none"> • Used to transport manpower & equipment not covered under the rate for ladder and pumper trucks. • Rescue vehicles must meet the equipment requirements listed in Section 4, particularly Table 4.2.2, of NFPA 1901. • Light rescue vehicles are permanently rigged and equipped to do basic rescue tasks using hand & basic extrication tools (i.e. pry bars, air chisels, bolt cutters, stabilization equipment & cribbing, hand and power saws, lighting and portable hydraulic rescue tools), and medical aid • Medium rescue vehicles carry more equipment to handle regularly occurring rescue tasks plus specialized rescue equipment for at least one rescue specialty. 	Per hour	\$615.00
Command Vehicles		Per hour	\$185.00
<p>Note: The rates are to be adjusted annually on April 1st, using the inflation formula established in the province’s highway maintenance contracts and rounded up to the nearest \$5. To date the accumulated inflation since the base year of 2015/16 has not warranted an increase in rates.</p>			

County Fire Services Department Response Fee (Policy 23.02):

<p>Fee to be charged to recover expenses and costs incurred by the County for its Fire Services Department responding to, suppressing or extinguishing, controlling or containing any fire, or hazardous material or other emergency services.</p>	<p>Actual costs incurred by the County to a maximum fee of \$3,000.00 per response with the exception of:</p> <ul style="list-style-type: none"> a) those responses where the suppressing or extinguishing, controlling or containing a fire that is burning <ul style="list-style-type: none"> i. in contravention of any provincial law, bylaw, or fire control order, or ii. at a location outside the jurisdictional boundaries of the County of <p>and in such cases the fee shall be equal to the actual costs incurred by the County for its Fire Services Department to respond to such incidents.</p>
--	--



REQUEST FOR DECISION
OCTOBER 17, 2023



TO: COUNCIL

RE: WRITEOFF OF UNCOLLECTABLE ACCOUNTS RECEIVABLE

ISSUE:

Four (4) Accounts Receivable accounts totaling \$6,384.42 have been with the Collection Agency for more than one year and should be removed from the County of Barrhead’s accounting records.

BACKGROUND:

- January 16, 2023 - Policy FN-004 Collection of Accounts Receivable was presented to Council for approval
 - Allowance for doubtful accounts is presented annually to Council for information.
 - Accounts placed at a collection agency for a minimum of 1 year will be recommended to Council to write-off
- Writing off an Accounts Receivable account does not preclude the Collection Agency from pursuing collection of the account.
- Should any funds be received by the Collection Agency from the debtor the County would recognize funds received back into revenue when received.
- Unpaid invoices either cannot be added to the tax roll and / or the invoice is not associated with a County landowner and therefore requires civil action for debt collection.

ANALYSIS:

Accounts Recommended to be Written Off as they are more than 1 year at collections:

Customer ID	Invoice Date	Date Sent to Collections	Original Amount	Interest	Total Allowance	Type of Service Provided
KNIPP0001	Sept 29, 2021	Feb 2, 2022	\$3,000.00	\$135.68	\$3,135.68	Fire Services
SPERL0002	Dec 9, 2021	May 24, 2022	\$1,350.00	\$124.84	\$1,474.84	Fire Services
ABAN001	April 22, 2022	Sept 23, 2022	\$1,600.00	\$97.08	\$1,697.08	Fire Services
FRIGO001	May 16, 2022	Sept 23, 2022	\$73.50	\$3.32	\$76.82	Snowplow
			\$6,023.50	\$360.92	\$6,384.42	

- Allowance for doubtful accounts at December 31, 2023 will be presented to Council in January 2024, along with any further write-offs for accounts that have been at collections for more than 1 year.

STRATEGIC ALIGNMENT:

Managing uncollectable accounts aligns with the County Strategic Plan as follows:

PILLAR 4: GOVERNANCE & LEADERSHIP

GOAL 2 County demonstrates an open & accountable government.

Outcome – Council is transparent & accountable

ADMINISTRATION RECOMMENDS THAT:

Council authorizes Administration to write-off the four (4) outstanding Account Receivable accounts as recommended in the amount of \$6,384.42 because of these accounts being uncollectable.



REQUEST FOR DECISION
OCTOBER 17, 2023



TO: COUNCIL

RE: 2024 JOINT BUDGET – BARRHEAD & DISTRICT TWINNING COMMITTEE

ISSUE:

Joint budgets must be approved by Council for incorporation into the 2024 operating and capital budgets.

BACKGROUND:

- Town of Barrhead as the unit of authority prepared the joint budget for review and approval at the Twinning Committee meeting.
- County of Barrhead Council appointed Councillor Preugschas to the Twinning Committee.
- September 29, 2023 - Twinning Committee approved the 2024 Operating Budget and 2025-2027 Financial Plan (attached) and recommended that it be forwarded to respective Councils for ratification.

ANALYSIS:

- There is no capital budget associated with the Twinning Committee.
- Budget includes a delegation coming from Japan in 2024 to Barrhead and area.

STRATEGIC ALIGNMENT:

Consideration of the Barrhead & District Twinning Committee budget aligns with the County 2022 – 2026 Strategic Plan as follows:

PILLAR 4: Governance & Leadership

OUTCOME – Council is Transparent & Accountable

GOAL 4.2 County demonstrates open & accountable government

GOAL 4.3 County demonstrates leadership by engaging in collaborative relationships

ADMINISTRATION RECOMMENDS THAT:

Council approve the following:

- 2024 Barrhead & District Twinning Committee operating budget in the amount of \$9,800 as recommended by the Barrhead & District Twinning Committee which includes a contribution of \$4,900 from each municipality.
- 2025-2027 Barrhead & District Twinning Committee proposed 3-year Financial Plan for incorporation into the County's Financial Plan.

	A	B	C	D	E
1	Barrhead & District Twinning Committee				
2	2024 Operating Budget				
3	Approved by Committee: September 25, 2023				
4		2023 BUDGET	2023 PROJECTED	2024 PROPOSED BUDGET	2024 COMMENTS
5					
6	<u>OPERATING REVENUES</u>				
7	General Revenue	-	-	-	
8	Municipal Contribution (Town)	(3,900)	(1,225)	(4,900)	
9	Municipal Contribution (County)	(3,900)	(1,225)	(4,900)	
10	TOTAL TWINNING OPERATING REVENUES	(7,800)	(2,450)	(9,800)	
11					
12	<u>OPERATING EXPENSES</u>				
13	Conference Fees/Memberships	1,200	1,100	1,200	
14	Postage	100	70	100	
15	Advertising	500	-	500	
16	Promotion/Gifts	1,500	930	500	
17	Delegations & Miscellaneous Activities	1,500	-	5,000	Delegation in 2024 and future
18	Meeting Expense	1,000	350	1,000	
19	Miscellaneous/Japanese Garden	1,000	-	500	
20	Mileage/Rentals	1,000	-	1,000	
21	TOTAL TWINNING OPERATING EXPENDITURES	7,800	2,450	9,800	
22					
23					
24					

	A	B	C	D	E	F	G
1	Barrhead & District Twinning Committee						
2	2025 to 2027 Operating Plan						
3	Approved by Committee: September 25, 2023						
4		2025 PLAN	2025 COMMENTS	2026 PLAN	2026 COMMENTS	2027 PLAN	2027 COMMENTS
5	<u>OPERATING REVENUES</u>						
6	General Revenue	-		-		-	
7	Municipal Contribution (Town)	(4,650)		(5,650)		(6,550)	
8	Municipal Contribution (County)	(4,650)		(5,650)		(6,550)	
9	TOTAL TWINNING OPERATING REVENUES	(9,300)		(11,300)		(13,100)	
10							
11	<u>OPERATING EXPENSES</u>						
12	Conference Fees/Memberships	1,200		1,200		5,000	Host Conference
13	Postage	100		100		100	
14	Advertising	500		500		500	
15	Promotion/Gifts	1,000		1,000		1,000	
16	Delegation & Miscellaneous Activities	3,000		5,000	Delegation to Japan	3,000	
17	Meeting Expense	1,000		1,000		1,000	
18	Miscellaneous/Japanese Garden	1,000		1,000		1,000	
19	Mileage/Rentals	1,500		1,500		1,500	
20	TOTAL TWINNING OPERATING EXPENDITURES	9,300		11,300		13,100	
21							
22							
23							



TO: COUNCIL

RE: THUNDER LAKE LAGOON MONITORING WELL UPDATE

ISSUE:

As part of the 2022 Thunder Lake lagoon assessment project, it was recommended that monitoring wells be installed to help determine the structural integrity of the facility. Installation and testing of monitoring wells was carried out in 2023 by Parkland Geo. As part of the work, a final report (attached) has been issued to the County for review and to inform a decision on how to move forward with this facility.

BACKGROUND:

- Associated Engineering carried out a detailed assessment of the Thunder Lake lagoon in 2022. This report identified the current capacity of the lagoon, estimated sludge volumes, annual maximum volumes that could be accommodated, and some recommendations.
- Two main recommendations were:
 - Carry out brushing along the berms to remove trees that could potentially affect the integrity of the clay liner. This work was carried out during the winter of 2022 by County forces utilizing our excavator and mulcher.
 - Install 4 groundwater monitoring wells at the facility and implement an annual groundwater monitoring program. Funding was allocated to this work in the 2023 budget in the amount of \$16,000.
- Parkland Geo was awarded the contract and wells were installed in June 2023. Groundwater testing was completed in August 2023.
- Parkland Geo issued their final report in September 2023, a copy of which is included with this RFD.

ANALYSIS:

- Borehole logs from the well installation are included in the report and show the detailed subsoil stratigraphy. All of the wells were installed to a depth of approximately 7.5 m via a tracked drill rig. Subsoil testing results for each well are as follows:
 - MW-23-01 (South) – 1.5 m Clay fill overtop of clay till which indicates proper construction of the berm.
 - MW-23-02 (North) – 1.0 m Peat overtop clay mixed with peat which is expected as the well was drilled at the outside toe of the berm.
 - MW-23-03 (East) – 0.3 m of organics overtop of clay which is expected given the location of this well off the side of the berm.
 - MW-23-04 (West) – 1.3 m clay fill overtop of 2.0 m of peat. This borehole raises some concerns about the quality of the clay fill construction in this location.
- Detailed results of the groundwater analysis for each well are in the report. The following items were tested: Hydrocarbons, Chlorides, pH, Electrical Conductivity (EC), Total Dissolved Solids (TDS), and Total Metals. From the report conclusions, the following items were identified as areas of notice:

- While non-detectable in most of the wells, MW-23-03 indicated 100 ppm hydrocarbon vapours.
 - Multiple metals were found to have concentrations greater than the guideline limits in varying wells, however it is not known whether their concentrations are naturally occurring or attributed to the lagoon.
 - All the monitoring wells had concentrations of EC and TDS greater than the Alberta Guidelines.
 - MW-23-02, 03, and 04 had concentrations of chloride greater than the Alberta Guidelines.
 - MW-23-02 and 04 had concentrations of sodium greater than the Alberta Guidelines.
 - MW-23-02 had chemical oxygen demands (COD) and Kjeldahl Nitrogen and Ammonia that were considered to be elevated compared to the other wells.
- As this is the 1st year of groundwater monitoring there is no other data to compare to that can indicate any trends. The naturally occurring metals and other elements in the area are also unknown.
 - The report recommends that annual monitoring of the lagoon continues as per Alberta Environment’s requirements for the operation of this lagoon.

STRATEGIC ALIGNMENT:

Installation and testing of monitoring wells at the Thunder Lake Lagoon to generate data aligns with the County’s 2022 – 2026 Strategic Plan as follows:

PILLAR 2 Municipal Infrastructure & Services

Outcome *2 County has the necessary tools & information to deliver programs and services efficiently.*

Goal 2.1 Infrastructure & services balance County capacity with ratepayer needs.

PILLAR	4 Governance & Leadership	
Outcome	<i>4 Council is transparent & accountable.</i>	
Goal	4.1 County improves risk management.	
Goal	4.2 County demonstrates open & accountable government.	

ADMINISTRATION RECOMMENDS THAT:

Council accepts the 2023 Environmental Program: Thunder Lake Lagoon report, as prepared by Parkland Geo as information, and further, commits to allocating funding in the 2024 budget for continued groundwater testing and analysis.

DO/tw

Geotechnical, Environmental and Materials Engineering

Red Deer · Sherwood Park · Grande Prairie · Calgary · Fort McMurray
Peace River · Lethbridge · Fort St. John · Estevan · Regina · Yorkton

2023 ENVIRONMENTAL PROGRAM THUNDER LAKE LAGOON

NW 19-59-5 W5M
COUNTY OF BARRHEAD, ALBERTA

PREPARED FOR

COUNTY OF BARRHEAD NO. 11
BARRHEAD, ALBERTA

PREPARED BY

PARKLANDGEO LTD.
SHERWOOD PARK, ALBERTA



PROJECT NO.: ED2818
DATE: SEPTEMBER 28, 2023
REVISION: 1

EXECUTIVE SUMMARY

ParklandGEO Ltd. (ParklandGEO) was commissioned by County of Barrhead No. 11 to conduct the 2023 environmental program within NW 19-59-5 W5M in Barrhead County, Alberta. The 2023 program consisted of monitoring well installation and the 2023 groundwater monitoring for the Thunder Lake lagoon.

Based on the 2023 environmental program, the following conclusions have been made:

- Four monitoring wells were installed around the lagoon to depths of 7.5 meters below ground (mbg).
- The general soil profile encountered was clay fill on the berm to approximately 1.5 mgb in boreholes 23-01 and 23-04 followed by clay to completion depth of 7.5 m. The clay varied from clay till to clay with peat and/or organics. Boreholes 23-02 and 23-03 had peat and organics from surface to approximately 0.5 m and 1.0 mgb followed by clay or organic clay to completion depth of 7.5 mgb. Shale bedrock and sand was also found in Boreholes 23-01 and 23-03 from 7.0 mgb to below completion depth of 7.5 mgb.
- Groundwater levels varied from 0.32 mgb in Monitoring Well 23-03 to 1.1 mgb in Monitoring Well 23-04. Hydrocarbon vapours within the wells varied from non-detectable (<5 ppm) in Monitoring Wells 23-01 and 23-04 to 100 ppm in Monitoring Well 23-03.
- Field measurements included chlorides, pH, electrical conductivity (EC) and total dissolved solids (TDS). All field measurements were less than the comparable Guidelines with pH varying from 6.90 to 7.41 in Monitoring Wells 23-03 and 23-01.
- Based on the groundwater analysis, multiple metals, including aluminium, arsenic, fluoride, iron, manganese, sodium, uranium and zinc were found to have concentrations greater than the Guideline limits in varying wells. It is not known if their concentrations are naturally occurring or are attributed to the lagoon based on the limited data.
- All Monitoring Wells had concentrations of EC and TDS greater than the Guidelines. Monitoring Wells 23-02 to 23-04 also had concentrations of chloride greater than the Guideline, while Monitoring Wells 23-02 and 23-04 also had sodium concentrations greater than the Guidelines.
- Monitoring Well 23-02 had chemical oxygen demands (COD) and concentrations of total Kjeldahl Nitrogen and ammonia that were considered to be elevated compared to the other monitoring wells.

Based on the 2023 environmental program, potential elevated parameters are present in various monitoring wells. The continued annual monitoring of the groundwater wells should be conducted in order to determine if any trends are identified. It is recommended that annual monitoring of the lagoon continue as per Alberta Environment's requirements for the operation of the lagoon.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	I
TABLE OF CONTENTS	II
1.0 INTRODUCTION.....	1
2.0 SCOPE OF WORK.....	1
2.1 INSTALLATION MONITORING WELLS	1
2.2 GROUNDWATER MONITORING	1
2.3 REPORTING	2
3.0 PROPERTY DESCRIPTION	2
3.1 LOCATION, SITE OCCUPANY AND DEVELOPMENT DETAILS.....	2
3.2 PHYSICAL DESCRIPTION.....	2
3.3 TOPOGRAPHY AND DRAINAGE.....	3
4.0 ASSESSMENT GUIDELINES	3
5.0 FIELD INVESTIGATION PROGRAM	4
5.1 BOREHOLE DRILLING.....	4
5.2 SURVEYING.....	4
5.3 GROUNDWATER MONITORING	4
5.4 LABORATORY	4
6.0 2023 ENVIRONMENTAL PROGRAM RESULTS	5
6.1 SUBSOIL STRATIGRAPHY.....	5
6.1.1 Clay Fill	5
6.1.2 Organics and Peat.....	5
6.1.3 Clay	5
6.1.4 Clay Till	5
6.1.5 Clay Shale Bedrock	5
6.1.6 Sand.....	5
6.2 GROUNDWATER MONITORING	6
6.2.1 Field Measurements – Chlorides	6
6.2.2 Field Measurements – pH.....	6
6.2.3 Field Measurements – Electrical Conductivity.....	6
6.2.4 Field Measurements – Total Dissolved Solids	6
6.2.5 Groundwater Results – Total Metals.....	6
6.2.6 Groundwater Results – Routine Potability.....	7
6.2.7 Groundwater Results – Other Parameters.....	7
7.0 CONCLUSIONS AND RECOMMENDATIONS	8
8.0 LIMITATIONS.....	9

APPENDICIES

FIGURES	Figure 1: Key Plan Figure 2: Area Plan Figure 3: Site Plan
TABLES	Table 1: Land-Use and Pathway Assessment Table 2: Groundwater – Monitoring Data Table 3: Groundwater Analyses – Metals and Inorganics Table 4: Groundwater Analyses – Salinity and General Inorganics
APPENDIX A	Site Photographs
APPENDIX C	Analytical Chemistry Reports
LIMITATIONS	Statement of Limitations

1.0 INTRODUCTION

The County of Barrhead No. 11 commissioned ParklandGEO Ltd. (ParklandGEO) to conduct the 2023 environmental program for the Thunder Lake Lagoon located within NW 19-59-5 W5M, near Thunder Lake, Alberta. The 2023 program consisted of the installation and monitoring of four groundwater monitoring wells. The site is currently a lagoon operated by the County of Barrhead and the 2023 environmental program was conducted as required by *Code of Practice for wastewater systems using a wastewater lagoon*.

This report summarizes the results of the 2023 environmental program and provides recommendations for further action based on the *2023 Alberta Soil and Groundwater Remediation Guidelines*.

2.0 SCOPE OF WORK

2.1 INSTALLATION MONITORING WELLS

The monitoring well installation scope of work included the following tasks;

- Call Utility Safety Partners to locate public utility lines.
- Drill four boreholes around the existing lagoon with a solid stem auger. The boreholes would be advanced to an approximate depth of 7.5 m below ground surface or auger refusal;
- All boreholes would be completed as monitoring wells with 50 mm diameter PVC standpipes complete with Sil-9 sand around machine slotted screen and capped with bentonite and lockable stickup protective covers;
- Conduct a survey of the boreholes and site features using a Spectra RTK-GNSS; and
- Provide the County of Barrhead with the monitoring well installation logs.

2.2 GROUNDWATER MONITORING

After the monitoring well installation the 2023 groundwater monitoring program would consist of:

- Two monitoring trips were proposed, with all wells monitored during each trip;
- During the initial site visit the monitoring would include depth to groundwater field screening for pH, EC and chlorides;
- On the first monitoring event each well would be developed and purged by bailing at least 3 well volumes of groundwater or until dry.
- At the second monitoring event the wells would be sampled. Sampling would be conducted within 5 to 7 days following purging, depending on well recovery.

- The groundwater analyses program for the wells would consist of (consistent with Section A5.1.6 (b) of the *Code of Practice for Water Systems Using a Wastewater Lagoon*):

Parameter	Number of Analyses	Notes
Routine Potability	4	One per well
Total Metals	4	
Ammonia-Nitrogen	4	
TKN	4	
COD	4	

2.3 REPORTING

The scope of work included the preparation of a report documenting the field observations, analytical results and findings of the investigation. The report would assess any impacts identified on the Property and provide further recommendations if required.

The analytical chemistry data for this site would be presented and discussed in relation to the *Alberta Tier 1 and 2 Soil and Groundwater Remediation Guidelines* (January 2023).

3.0 PROPERTY DESCRIPTION

3.1 LOCATION, SITE OCCUPANY AND DEVELOPMENT DETAILS

Address:	Near Thunder Lake, AB
Legal Description:	NW 19-59-5 W5M
Current Owner:	County of Barrhead No. 11
Current Tenant:	County of Barrhead No. 11
Current Land Use:	Vacant
Property Size:	2.01 Hectares
Zoning:	RC – Rural Conservation District

3.2 PHYSICAL DESCRIPTION

The 2.01 hectare The Property was located south of Thunder Lake in the County of Barrhead No. 11, Alberta, as shown on Figure 1. At the time of the assessment the Property consisted of a lagoon with wastewater disposal ramp on the south side of the lagoon. The lagoon was accessed by Township Road 593A to the east.

Site photographs are included in Appendix A.

3.3 TOPOGRAPHY AND DRAINAGE

The Property was relatively level with overland drainage away from to the lagoon. The closest permanent natural waterbody was a wetland, located directly north of the lagoon as well as Thunder Lake located 300 metres to the north of the property.

4.0 ASSESSMENT GUIDELINES

The applicable regulatory Guidelines in Alberta are:

- *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (January 2023).
- *Alberta Tier 2 Soil and Groundwater Remediation Guidelines* (January 2023).

The Alberta Tier 1 Guidelines present generic criteria, such that a contaminant that exceeds the Guidelines would either require remediation, risk management, or development of site-specific Guidelines. In addition, they assume the presence of all exposure pathways and receptors within a particular land use.

The Tier 2 Guidelines are site specific, that is, based on the conditions of the site where it is possible to screen out exposure pathways that are not present and/or adjust the Tier 1 parameters. This allows the development of Guidelines that are specific to the characteristics of the site. The excluded exposure pathways cannot lead to a requirement for land and/or water use restrictions. Selection of the applicable Guidelines is governed by land use, soil grain size and exposure pathways applicability.

Selection of applicable land use is based on the most conservative allowable land use. In cases where the site is adjacent to a more sensitive land use, the Guidelines for the more sensitive land use apply within 30 m of the more sensitive property boundary. As indicated in Section 3.1, the Property was zoned for agricultural use, although it was surrounded by natural land at this time. Based on this information, natural and agricultural land use Guidelines have been applied to the Property. The pathway assessments for this site are presented in Table 1.

The applicable regulatory guidelines applied to this site are: *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (January 2023) for natural and agricultural land use with fine and coarse grained soils.

5.0 FIELD INVESTIGATION PROGRAM

5.1 BOREHOLE DRILLING

On July 26, 2023 drilling was conducted under the supervision of Mr. Chase Campbell and Ms. Jillian Caya of ParklandGEO. The borehole drilling program consisted of four boreholes drilled around the Thunder Lake Lagoon. All boreholes were drilled to a depth of 7.5 mbgs and completed as stickup monitoring wells with three-meter screens. The boreholes were drilled using a track mounted solid stem auger rig owned and operated by SPT Drilling Ltd. The borehole locations are shown on Figure 2.

5.2 SURVEYING

ParklandGEO conducted a survey of the borehole locations and relevant site features on August 1, 2023 using a Spectra RTK-GPS referencing UTM coordinates. The elevations reported in the borehole logs reference the NAD83 geodetic datum.

5.3 GROUNDWATER MONITORING

On August 2, 2023, the groundwater levels and groundwater vapours in the monitoring wells were measured, and then purged and allowed to recover prior to sampling. The groundwater samples from all monitored wells were collected on August 8, 2023, using the procedures outlined below.

- The headspace in each monitoring well was screened for field vapour concentrations using the RKI Eagle vapour monitor, calibrated with hexane to a known standard;
- Field screening in each monitoring well for chlorides, pH, electrical conductivity, total dissolved solids and temperature using the handheld PCTSTestr 50.
- The water surface was checked for the possible presence of phase-separated hydrocarbon product by using an interface probe and by visually examining the initial groundwater sample recovered from each monitoring well;
- A volume of groundwater approximately equal to three times the volume of the well was bailed prior to sampling and allowed to recharge;
- Groundwater samples were recovered with clean, clear disposable bailing tubes;
- The groundwater samples were placed in containers of varying size appropriate for the testing required; and
- The laboratory samples were stored in insulated coolers and transported to CARO Laboratories in Edmonton following chain-of-custody procedures.

5.4 LABORATORY

CARO Laboratories of Edmonton, Alberta conducted the laboratory analysis for the groundwater samples. All analytical reports are presented in Appendix C.

6.0 2023 ENVIRONMENTAL PROGRAM RESULTS

6.1 SUBSOIL STRATIGRAPHY

Soils encountered while drilling generally consisted of clay fill, organics or peat at surface, followed by variety types of clay including clay till, and clay with peat to completion depth of 7.5 mbg. Organic and peat layers were found in Boreholes 23-02 and 23-03 and ranged in depth from surface to approximately 1.0 mbg. Clay shale bedrock and sand were also found in Borehole 23-01 and 23-03 around 7.2 mbg to completion depth of 7.5 mbg. Definitions of the terminology and symbols used on the logs are provided on the accompanying explanations sheets in Appendix B. The following is a brief explanation of the soil conditions encountered.

6.1.1 Clay Fill

Clay fill was present within the berms of the lagoons in Borehole 23-01 and 23-04 from surface to 1.1 and 1.5 mbg. The Clay fill had little gravel or sand, trace roots and rust, firm, medium plastic, damp and brown.

6.1.2 Organics and Peat

Organics and/or peat were found in Boreholes 23-02 and 23-03 at surface to approximately 0.5 mbg to 1.0 mbg. The organic and peat contained some wood chips and organic matter, was soft, moist and dark brown.

6.1.3 Clay

Clay was present in all boreholes starting from approximately 0.5 mbg to 1.5 mbg to reaching the completion depth of 7.5 mbg. The clay was soft to firm, medium plastic, damp to moist, and grey. Peat was also found within the clay layer are variable depths in Borehole 23-02 from 1.0 to 3.0 mbg and 1.7 to 2.0 mbg in Borehole4 23-03 and 23-04.

6.1.4 Clay Till

Clay till was present in Borehole 23-01 from 1.5 mbg to 7.3 mbg. The clay till had little sand, trace rust, firm, was damp to moist, and dark brown.

6.1.5 Clay Shale Bedrock

Clay shale bedrock was present in Borehole 23-01 from 7.3 to completion depth of 7.5 mbg. The clay shale bedrock was firm, damp and grey.

6.1.6 Sand

Sand was found in Borehole 23-03 at 7.2 mbg to completion depth of 7.5 mbg. The sand was soft, damp and grey.

6.2 GROUNDWATER MONITORING

Groundwater monitoring was conducted by ParklandGEO on August 8, 2023. The groundwater levels varied from 0.32 mbg in Monitoring Well 23-03 to 1.10 mbg in Monitoring Well 23-04. Groundwater flow was estimated to be towards the northeast, although seasonal variations in groundwater elevations are expected (figure 3). No phase separated (free) hydrocarbon product was detected in any of the monitoring wells. Groundwater monitoring results are present in Table 2.

6.2.1 Field Measurements – Chlorides

Field measurements for Chlorides were taken and results are in Table 2. Chlorides varied from 1.00 parts per trillion (ppt) in Monitoring Well 23-01 to 2.70 ppt in Monitoring Well 23-04.

6.2.2 Field Measurements – pH

Field measurements for pH were obtained and results are in Table 2. pH varied from 6.90 in Monitoring Well 23-03 to 7.41 in Monitoring Well 23-01.

6.2.3 Field Measurements – Electrical Conductivity

Field measurements for electrical conduction (EC) were taken and results are in Table 2. EC varied from 1.959 ms/cm in Monitoring Well 23-01 to 5.19 ms/cm in Monitoring Well 23-04.

6.2.4 Field Measurements – Total Dissolved Solids

Field measurements for total dissolved solids (TDS) were obtained and results are in Table 2. TDS varied from 1.35 ppt in Monitoring Well 23-01 to 3.69 ppt in Monitoring Well 23-04.

6.2.5 Groundwater Results – Total Metals

Four groundwater samples were submitted on August 8, 2023 for total metals analysis and the results are summarized in Table 3. Based on the analytical results the following was identified:

- Manganese concentrations in all Monitoring Wells was greater than the Tier 1 Guideline Limits.
- Monitoring Wells 23-02 and 23-03 had aluminum concentrations greater than the Guideline Limits.
- Monitoring Wells 23-02 and 23-04 had arsenic concentrations greater than the Guideline limit.
- Iron concentrations were greater than Guidelines within Monitoring Wells 23-02, 23-03 and 23-04.
- Monitoring Wells 23-01 and 23-03 had uranium and zinc greater than the Guideline limit; and
- Monitoring Well 23-04 had fluoride concentrations greater than the Guidelines.

6.2.6 Groundwater Results – Routine Potability

Four groundwater samples were submitted on August 8, 2023 for Routine Potability analysis and the results are summarized in Table 4. Based on the analytical result the following was identified:

- TDS and EC in all monitoring wells were greater than the Guideline Limits.
- Monitoring Wells 23-02, 23-03 and 23-04 had chloride concentrations greater than the Guideline limit and were elevated from the Monitoring Well 23-01 concentrations.
- Monitoring Wells 23-02 and 23-04 had sodium concentrations greater than the Guideline limit.
- All other parameters did not have a Guideline limit, or the concentrations were less than the Guideline limit for each sample.

6.2.7 Groundwater Results – Other Parameters

Four groundwater samples were submitted on August 8, 2023 for analysis of ammonia (as N), COD and TKN analysis and results are summarized in Table 5. Based on the analytical results the following was identified:

- No Guidelines limits are present for these parameters.
- However, the concentrations of COD, TKN and ammonia (as N) were elevated in the Monitoring Well 23-02 compared to the other monitoring wells.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the 2023 environmental program, the following conclusions have been made:

- Four monitoring wells were installed around the lagoon to depths of 7.5 meters below ground (mbg).
- The general soil profile encountered was clay fill on the berm to approximately 1.5 mgb in boreholes 23-01 and 23-04 followed by clay to completion depth of 7.5 m. The clay varied from clay till to clay with peat and/or organics. Boreholes 23-02 and 23-03 had peat and organics from surface to approximately 0.5 m and 1.0 mgb followed by clay or organic clay to completion depth of 7.5 mgb. Shale bedrock and sand was also found in Boreholes 23-01 and 23-03 from 7.0 mgb to below completion depth of 7.5 mgb.
- Groundwater levels varied from 0.32 mgb in Monitoring Well 23-03 to 1.1 mgb in Monitoring Well 23-04. Hydrocarbon vapours within the wells varied from non-detectable (<5 ppm) in Monitoring Wells 23-01 and 23-04 to 100 ppm in Monitoring Well 23-03.
- Field measurements included chlorides, pH, electrical conductivity (EC) and total dissolved solids (TDS). All field measurements were less than the comparable Guidelines with pH varying from 6.90 to 7.41 in Monitoring Wells 23-03 and 23-01.
- Based on the groundwater analysis multiple metals, including aluminium, arsenic, fluoride, iron, manganese, sodium, uranium and zinc were found to have concentrations greater than the Guideline limits in varying wells. It is not known if their concentrations are naturally occurring or are attributed to the lagoon based on the limited data.
- All Monitoring Wells had concentrations of EC and TDS greater than the Alberta Guidelines. Monitoring Wells 23-02 to 23-04 also had concentrations of chloride greater than the Guideline, while Monitoring Wells 23-02 and 23-04 also had sodium concentrations greater than the Guidelines.
- Monitoring Well 23-02 had chemical oxygen demands (COD) and concentrations of total Kjeldahl Nitrogen and ammonia that were considered to be elevated compared to the other monitoring wells.

Based on the 2023 environmental program, potential elevated parameters are present in various monitoring wells. The continued annual monitoring of the groundwater wells should be conducted in order to determine if any trends are identified. It is recommended that annual monitoring of the lagoon continue as per Alberta Environment's requirements for the operation of the lagoon.

8.0 LIMITATIONS

The American Society for Testing and Materials Standard of Practice notes that no environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of a standardized environmental site assessment protocol is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the Property, given reasonable limits of time and cost.

This report has been prepared for the exclusive use of **COUNTY OF BARRHEAD NO. 11** and their approved agents. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. **PARKLANDGEO LTD.**, accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. No other warranty, expressed or implied, is made. The General Terms and Conditions of this report are attached and should be considered part of this report.

We trust that this report meets with your current requirements. If there are any questions, please contact the undersigned at 780 / 416 - 1755.


Respectfully submitted,
PARKLANDGEO LTD.



Chase Campbell
Environmental Scientist

Daniel Yost, P.Eng.
Principal Geo-Environmental Engineer

APEGA Permit to Practice No. P007312

PERMIT TO PRACTICE PARKLANDGEO LTD.	
RM SIGNATURE:	
RM APEGA ID #:	80323
DATE:	2023 Sep 28
PERMIT NUMBER: P007312	
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)	

Daniel Yost, P. Eng.
Responsible Member

Reviewed By:
Monica Gaudet Smith, P. Eng
Geo-Environmental Engineer

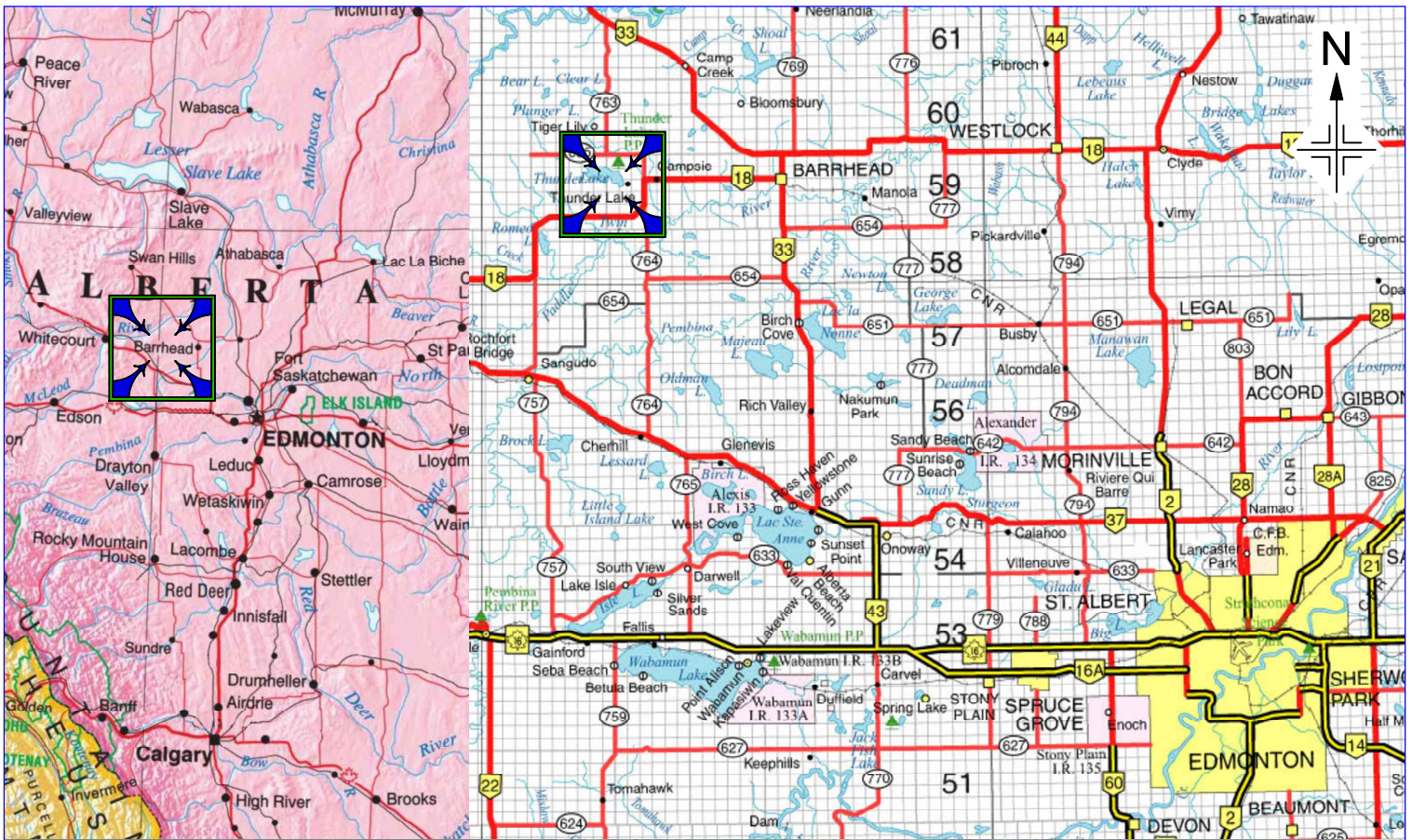
FIGURES



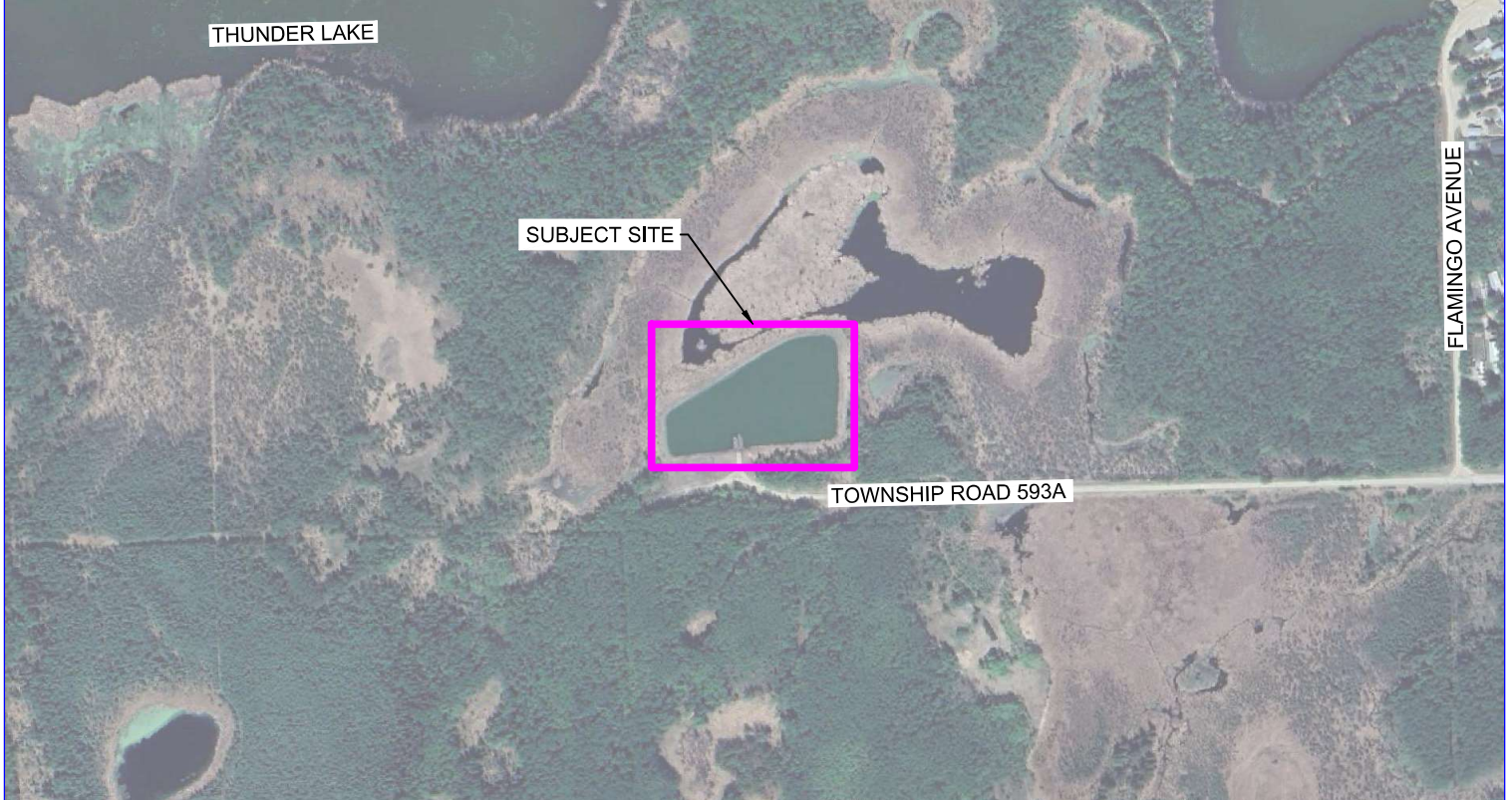
FIGURE 1: LOCATION PLAN

FIGURE 2: AREA PLAN

FIGURE 3: SITE PLAN



THUNDER LAKE



NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH, DATED MAY 14, 2023.

SCALE:

NTS



CLIENT:

COUNTY OF
BARRHEAD NO. 11

LOCATION PLAN

2023 GROUNDWATER MONITORING
NW-19-59-5-W5M, COUNTY OF BARRHEAD, AB

DRAWN: KF	CHK'D.: CC	DATE: SEPTEMBER 2023
PROJECT NO. ED2818	REV. NO. 0	FIGURE NO. 1

THUNDER LAKE



SUBJECT SITE

EXISTING LAGOON



TOWNSHIP ROAD 593A

NOTES:
1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH, DATED MAY 14, 2023.

SCALE: 0 30 60 120
SCALE (metres): 1:3000

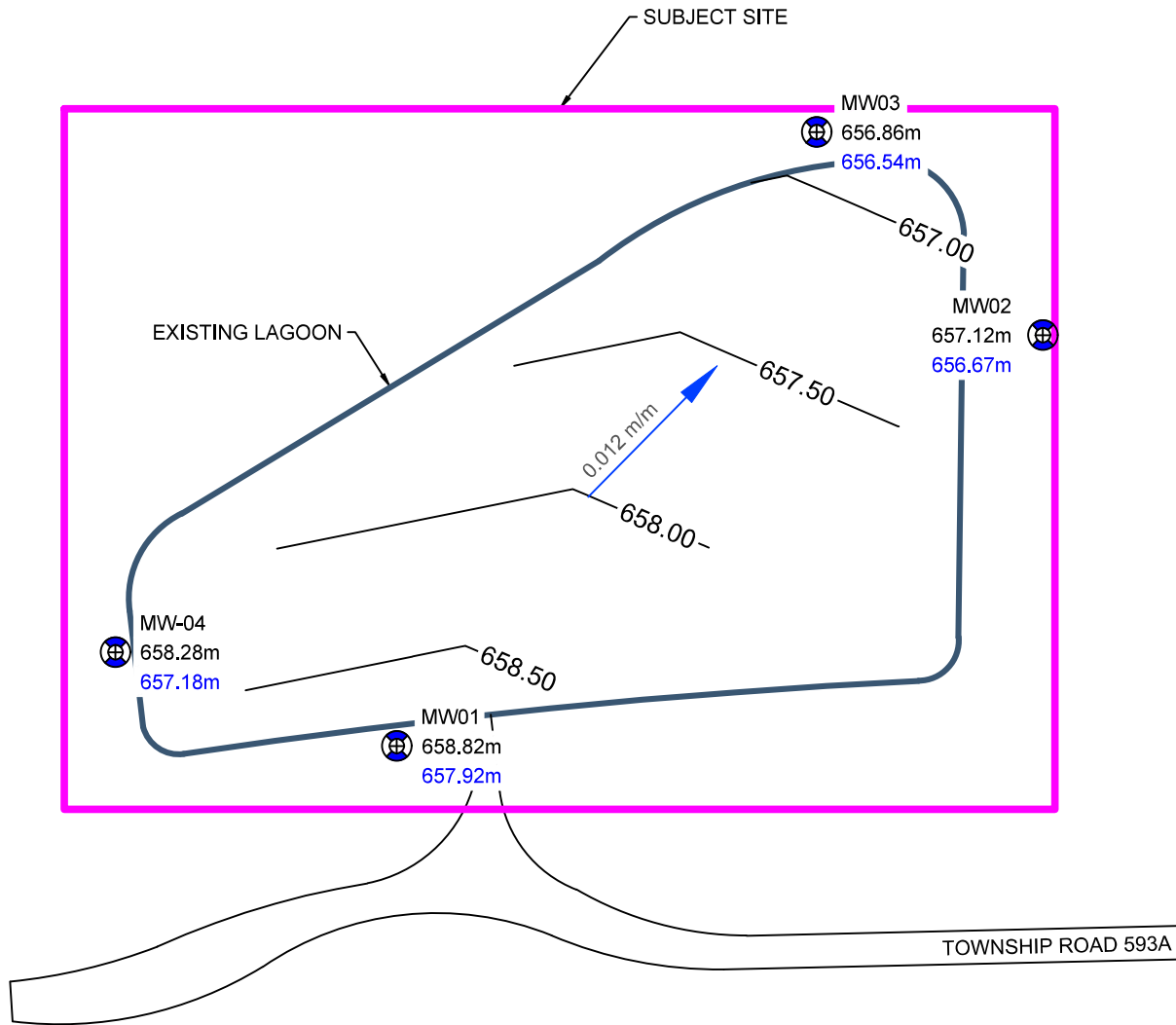
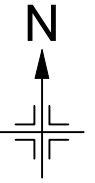


CLIENT:
**COUNTY OF
BARRHEAD NO. 11**

AREA PLAN

2023 GROUNDWATER MONITORING
NW-19-59-5-W5M, COUNTY OF BARRHEAD, AB

DRAWN: KF	CHK'D.: CC	DATE: SEPTEMBER 2023
PROJECT NO. ED2818	REV. NO. 0	FIGURE NO. 2



LEGEND:



ALL GROUNDWATER MONITORING WELLS ARE APPROXIMATE

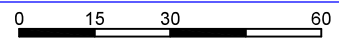
658.82m SURFACE ELEVATION

657.92m GROUNDWATER ELEVATION (AUGUST 2, 2023)

NOTES:

1. NOT TO BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

SCALE:



SCALE (metres): 1:1500



CLIENT:

COUNTY OF BARRHEAD NO. 11

SITE PLAN

2023 GROUNDWATER MONITORING
NW-19-59-5-W5M, COUNTY OF BARRHEAD, AB

DRAWN: KF	CHK'D.: CC	DATE: SEPTEMBER 2023
PROJECT NO. ED2818	REV. NO. 0	FIGURE NO. 3

TABLES

TABLE 1: LAND-USE AND PATHWAY
ASSESSMENT

TABLE 2: GROUNDWATER MONITORING DATA

TABLE 3: GROUNDWATER – METALS AND INORGANICS

TABLE 4: GROUNDWATER – SALINITY AND GENERAL INORGNIAICS

TABLE 5: GROUNDWATER – CHEMICAL OXYGEN DEMAND AND
TOTAL KJELDAHL NITROGEN

TABLE: 1
TITLE: LAND-USE AND PATHWAY ASSESSMENT

PROJECT#: ED2818
 CLIENT: County of Barrhead No. 11
 PROJECT: 2023 Groundwater Monitoring
 SITE: Thunder Lake Lagoon
 LOCATION: NW 19-59-5-W5M

1. Tier 1/2 Applicability

Condition	Applicable	Comments
Source of volatile contaminants present within 30 cm of a building foundation	NO	
Land/water use not captured by Generic Tier 1 land uses	NO	
Exposure Pathway is present that is not considered at Tier 1 for the land use	NO	
Human receptors spend more time at site than average or receiver higher levels of exposure	NO	
Ecological receptors with high sensitivity	NO	
Unusual structural features (ie. earthen floor, unusually low air exchange rates)	NO	
Groundwater flow to stagnant waterbodies	NO	
Groundwater within 10 m of a surface water body	NO	
Very coarse textured materials enhancing groundwater or vapour transport	NO	
Fractured bedrock	NO	
Source length of groundwater contamination greater than 10 m	NO	
Inorganic contaminants in organic soil	NO	

Note: If any of the above conditions are applicable, Tier 1 Guidelines cannot be used; a Tier 2 approach must be used. If none of the above conditions are applicable, a Tier 1 or Tier 2 approach may be used.

2. Applicable Land Use

Land Use	Applicable	Comments
Natural Area (away from human habitation; primary concern is the protection of ecological receptors)	YES	Surrounding Land Use is Natural Land
Agricultural (primary land use is growing crops or tending livestock)	YES	Zoned as Agricultural
Residential (primary activity is residential or residential activity, includes urban parks, campgrounds)	NO	
Commercial (primary activity is commercial, and there is free access to all members of the public)	NO	
Industrial (primary activity is production / manufacturing - public access is restricted)	NO	

3. Applicable Soil Type

Soil Type	Applicable	Comments
Fine-Grained	YES	
Coarse-Grained	YES	

4. Applicable Surface Water Use

Water Use	Applicable	Comments
Drinking Water	YES	
Aquatic Life	YES	
Irrigation	YES	
Livestock Water	YES	
Wildlife Water	YES	

5. Pathway Exclusion

Pathway	Applicable	Comments
Human Exposure Pathways		
Direct Soil Contact	YES	
Vapour Inhalation (basement)	YES	
Vapour Inhalation (slab-on-grade)	YES	
Protection of Domestic Use Aquifer*	YES	
Off-Site Migration by Wind or Water Erosion	YES	
Ecological Exposure Pathways		
Direct Soil Contact	YES	
Nutrient/Energy Cycling	YES	
Livestock Ingestion	YES	
Wildlife Ingestion	YES	
Freshwater Aquatic Life*	YES	
Livestock Watering*	YES	
Wildlife Watering*	YES	
Irrigation Watering*	YES	
Off-Site Migration by Wind or Water Erosion	YES	
Other Pathways		
Management Limit	YES	

* Pathway can be excluded at Tier 2 approach.

Refer to Each Table for the Most Stringent Guideline for the Applicable Legislation, Land-Use and Soil Type

TABLE: 2
TITLE: GROUNDWATER - MONITORING DATA

PROJECT#: ED2818
 CLIENT: County of Barrhead No. 11
 PROJECT: 2023 Groundwater Monitoring
 SITE: Thunder Lake Lagoon
 LOCATION: NW 19-59-5-W5M

mAGL = metres above ground level HVC = Hydrocarbon Vapour Concentration
 mBGL = metres below ground level EC = Electrical Conductivity
 mBTOC = metres below top of casing TDS = Total Dissolved Solids
BOLD = Water elevation above top of well screen
BOLD = Product measured, confirmed by bailing unless noted in report

COMPLETION DATA

Monitoring Well		23-01	23-02	23-03	23-04
Date of Installation		26-Jul-23	26-Jul-23	26-Jul-23	26-Jul-23
Location	Easting (m)	5998787	5998913	5998871	5998807
	Northing (m)	647025,3	647110,9	647157,0	646973,6
Ground Elevation (m)		658.8	656.8	657.1	658.2
Top of Casing Elevation (m)		659.4	657.6	658.1	659.1
Length of Standpipe (mAGL)		0.6	0.8	1.0	0.9
Screen	Top	4.5	4.5	4.5	4.5
Depth (mBGL)	Bottom	7.0	7.0	7.0	7.0
Screen	Top	654.3	652.3	652.6	653.7
Elevation (m)	Bottom	651.8	649.8	650.1	651.2

MONITORING DATA

Monitoring Well		23-01	23-02	23-03	23-04
Aug 2/23	GW Depth (mBTOC)	1.5	1.25	1.32	2
	GW Elev (m)	657.9	656.4	656.8	657.1
	HVC (ppmw)	ND	55	100	ND
	Chloride (ppt)	1.00	2.30	1.90	2.70
	pH	7.47	6.93	6.90	7.41
	Temp (°C)	11.7	11.0	11.6	13.8
	EC (mS/cm)	1.96	4.52	3.59	5.19
	TDS (ppt)	1.35	3.21	2.59	3.69



TABLE: 3
TITLE: GROUNDWATER ANALYSES - METALS AND INORGANICS

ED2818
County of Barrhead No. 11
PROJECT: 2023 Groundwater Monitoring
SITE: Thunder Lake Lagoon
LOCATION: NW19-59S-W5M

CRITERIA: ALBERTA TIER 12 SOIL AND GROUNDWATER REMEDIATION GUIDELINES, JANUARY 2023
TABLES B-1 TO B-5 GROUNDWATER REMEDIATION GUIDELINE VALUES FOR ALL LAND USES AND EXPOSURE PATHWAYS

LAND USE	CURRENT	
	SOIL TYPE	NOI
Natural Area	YES	YES
Agricultural	YES	YES
Residential	NO	NO
Commercial	NO	NO
Industrial	NO	NO

NGR = No Guideline Required

All concentrations in **mg/L**.
Bold = Exceeds Criteria
NO = Does not meet QA/QC

PATHWAY	APPLICABLE	MOST STRINGENT CRITERIA FOR LAND USE AND SOIL TYPE																	
		Aluminum	Antimony	Arsenic	Barium	Boron	Cadmium	Chromium (total)	Copper	Fluoride	Iron	Lead	Manganese	Nickel	Selenium	Silver	Uranium	Zinc	
Human Exposure Pathways																			
Direct Soil Contact	YES																		
Vapour Inhalation (basement)	YES																		
Vapour Inhalation (above-grade)	YES																		
Protection of Domestic Use Aquifer*	YES	2.9	0.006	0.01	2	5	0.007	0.05	1	1.5	0.3	0.005	0.02	0.05	-	0.02	-	-	
Off-Site Migration by Wind or Water Erosion	YES																		
Ecological Exposure Pathways																			
Direct Soil Contact	YES																		
Nutrient/Energy Cycling	YES																		
Livestock Ingestion	YES																		
Wildlife Ingestion	YES																		
Freshwater Aquatic Life*	YES	0.050		0.005		1.5	0.00037		0.007	1	0.3	0.0067		0.002	0.0001	0.015	0.03		
Livestock Watering*	YES	5		0.025	5	0.08		0.5	0.1	0.2	0.2	0.2	0.2	0.2	0.02	0.02	0.01	1	
Wildlife Watering*	YES	5		0.16	1	0.0062		0.2	0.2	0.2	0.2	0.2	0.2	0.02	0.02	0.02	0.01	1	
Irrigation Watering*	YES	5		0.16	1	0.0062		0.2	0.2	0.2	0.2	0.2	0.2	0.02	0.02	0.02	0.01	1	
Off-Site Migration by Wind or Water Erosion	YES																		
Other Pathways																			
Management Limit	YES																		

SAMPLE	Lab ID	Sample Date	MOST STRINGENT CRITERIA FOR APPLICABLE PATHWAY(S)																	QA/QC		
			Aluminum	Antimony	Arsenic	Barium	Boron	Cadmium	Chromium (total)	Copper	Fluoride	Iron	Lead	Manganese	Nickel	Selenium	Silver	Uranium	Zinc	Hold Times Met	Acceptable Limits Met	Notes
23-01	23H1038-01	8-Aug-23	0.650	0.006	0.005	2	1	0.00037	0.05	0.007	1	0.3	0.0050	0.02	0.200	0.002	0.0001	0.01	0.03	YES	YES	
23-02	23H1038-02	8-Aug-23	0.0363	<0.00020	0.00101	0.073	0.124	0.000031	<0.00050	0.0265	0.341	0.059	<0.00020	0.425	0.00632	0.00078	<0.000050	0.0473	0.0445	YES	YES	
23-03	23H1038-03	8-Aug-23	0.196	<0.00020	0.0908	1.65	0.0835	<0.000010	0.00069	0.00047	0.118	68.5	<0.00020	0.778	0.00835	<0.00050	<0.000050	0.00165	0.0133	YES	YES	
23-04	23H1038-04	8-Aug-23	0.0294	<0.00040	0.0372	0.487	0.64	<0.000020	<0.00100	0.00249	0.4	2.76	0.00025	2.58	0.0199	0.00057	<0.000050	0.0108	0.043	YES	YES	
																				YES	YES	



TABLE 4
GROUNDWATER ANALYSES - SALINITY AND GENERAL INORGANICS

ED2818
 PROJECT#: County of Barriere No. 11
 CLIENT: Barriere Community Development
 ADDRESS: 10000 Highway 10
 SITE: Thunder Lake Lagoon
 LOCATION: NW 19-59-5-W5M

ALBERTA TIER 1 SOIL AND GROUNDWATER REMEDIATION GUIDELINES, JANUARY 2023
 TABLES B-1 TO B-5 GROUNDWATER REMEDIATION GUIDELINE VALUES FOR ALL LAND USES AND EXPOSURE PATHWAYS

LAND USE	CURRENT	SOIL TYPE	YES	NO
Natural Area	YES	Clay	YES	NO
Agricultural	YES	Clay	YES	NO
Residential	NO	Clay	NO	NO
Industrial	NO	Clay	NO	NO

NGR = No Guidelines Required

All concentrations in mg/L
 NA = Not Applicable
 NO = Does not meet QA/QC

PATHWAY	APPLICABLE	MOST STRINGENT CRITERIA FOR LAND USE AND SOIL TYPE										Nitrite (as N)			
		Electrical Conductivity (µS/cm)	Total Dissolved Solids	pH	Chloride	Magnesium	Potassium	Sodium	Sulphate	Alkalinity	Bicarbonate		Hardness	Nitrate (as N)	
Human Exposure Pathways	Direct Soil Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vapour Inhalation (basement)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ingestion of Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ingestion of Domestic Use Water*	500	500	6.5-8.5	250	-	200	500	-	-	-	-	10	1	-
	Off-Site Migration by Wind or Water Erosion	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Direct Soil Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nutrient Cycling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nutrient Cycling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Livestock Ingestion	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wildlife Ingestion	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wildlife Ingestion	-	-	6.5-9.0	120	-	-	150	-	-	-	-	3	0.6	-	
Livestock Watering*	-	3000	-	-	-	-	1000	-	-	-	-	-	-	10	
Wildlife Watering*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wildlife Watering*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Off-Site Migration by Wind or Water Erosion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Off-Site Migration by Wind or Water Erosion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Pathways	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Management Limit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

SAMPLE	MOST STRINGENT CRITERIA FOR APPLICABLE PATHWAY(S)										Nitrite (as N)		
	Electrical Conductivity (µS/cm)	Total Dissolved Solids	pH	Chloride	Magnesium	Potassium	Sodium	Sulphate	Alkalinity	Bicarbonate		Hardness	Nitrate (as N)
Sample ID	1	500	6.5-8.5	100	-	-	200	500	-	-	-	3	0.6
Sample Date	8-Aug-23	1400	6.87	27.2	91.5	5.28	118	468	740	903	941	<0.500	<0.500
23-01	8-Aug-23	1930	6.85	288	98.3	21.5	219	<10.0	1160	1420	1030	<0.500	<0.500
23-02	8-Aug-23	2890	6.71	219	116	9.3	127	56.2	1040	1260	1090	<0.500	<0.500
23-03	8-Aug-23	2280	6.71	219	116	9.3	127	56.2	1040	1260	1090	<0.500	<0.500
23-04	8-Aug-23	3240	7.09	329	36.9	9.67	633	14.2	1430	1750	440	<0.500	<0.500

TABLE: 5
TITLE: GROUNDWATER ANALYSES - COD and TKN

PROJECT#: ED2818
 CLIENT: County of Barrhead No. 11
 PROJECT: 2023 Groundwater Monitoring
 SITE: Thunder Lake Lagoon
 LOCATION: NW 19-59-5-W5M

CRITERIA: ALBERTA TIER 1 SOIL AND GROUNDWATER REMEDIATION GUIDELINES, JANUARY 2023
 TABLES B-1 TO B-5 GROUNDWATER REMEDIATION GUIDELINE VALUES FOR ALL LAND USES AND EXPOSURE PATHWAYS

LAND USE	CURRENT
Natural Area	YES
Agricultural	YES
Residential	NO
Commercial	NO
Industrial	NO

SOIL TYPE	
Fine	YES
Coarse	YES

NGR = No Guideline Required

All concentrations in mg/L

Bold = Exceeds Criteria
NO = Does not meet QA/QC

PATHWAY	APPLICABLE	MOST STRINGENT CRITERIA FOR LAND USE AND SOIL TYPE		
		Chemical Oxygen Demand	Total Kjeldahl Nitrogen	Ammonia (as N)
Human Exposure Pathways		NGR	NGR	NGR
Direct Soil Contact	YES			
Vapour Inhalation (basement)	YES			
Vapour Inhalation (slab-on-grade)	YES			
Protection of Domestic Use Aquifer*	YES			
Off-Site Migration by Wind or Water Erosion	YES			
Ecological Exposure Pathways				
Direct Soil Contact	YES			
Nutrient/Energy Cycling	YES			
Livestock Ingestion	YES			
Wildlife Ingestion	YES			
Freshwater Aquatic Life*	YES			
Livestock Watering*	YES			
Wildlife Watering*	YES			
Irrigation Watering*	YES			
Off-Site Migration by Wind or Water Erosion	YES			
Other Pathways				
Management Limit	YES			

SAMPLE			MOST STRINGENT CRITERIA FOR LAND USE AND SOIL TYPE		
			Chemical Oxygen Demand	Total Kjeldahl Nitrogen	Ammonia (as N)
Sample ID	Sample Date	Lab ID	-	-	-
23-01	8-Aug-23	23H1038-01	52	0.725	0.13
23-02	8-Aug-23	23H1038-02	230	14.50	8.74
23-03	8-Aug-23	23H1038-03	100	2.58	0.654
23-04	8-Aug-23	23H1038-04	118	4.90	1.49

APPENDIX A



SITE PHOTOGRAPHS
(JULY 26 AND AUGUST 2, 2023)



Photograph 1: Location of Borehole 23-01 on the south side of the lagoon.
Photograph taken August 2, 2023.



Photograph 2: Location of Borehole 23-02 on the north side of the lagoon.
Photograph taken August 2, 2023.



Photograph 3: Location of Borehole 23-03 on the east side of the lagoon.
Photograph taken August 2, 2023.



Photograph 4: Location of Borehole 23-04 on the west side of the lagoon.
Photograph taken August 2, 2023.



Photograph 5: Wastewater chute on the south side of the lagoon. Photograph taken July 28, 2023.

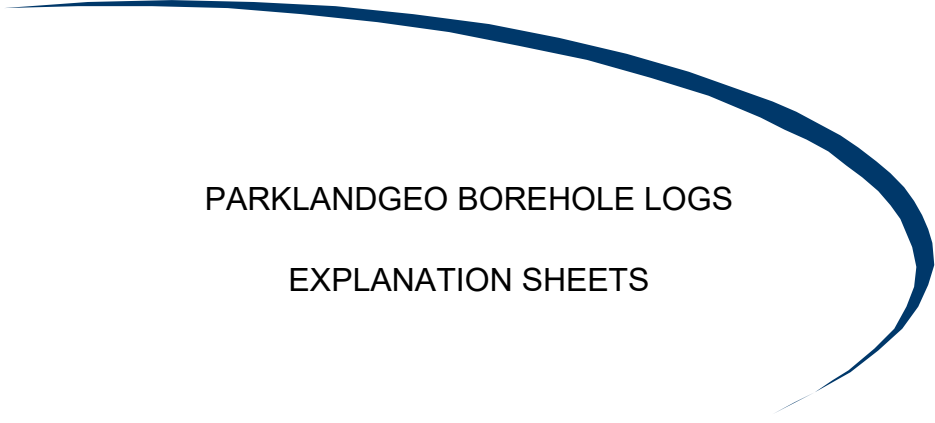


Photograph 6: Wetland to the west of the lagoon. Photograph taken July 28, 2023.



Photograph 7: Wetland to the north of the lagoon. Photograph taken August 2, 2023.

APPENDIX B



PARKLANDGEO BOREHOLE LOGS
EXPLANATION SHEETS



CLIENT: County of Barrhead
 SITE: NW 19-59-5 W5M Near Thunder Lake
 NOTES:

BOREHOLE NO.: 23-01
 PROJECT NO.: ED2818
 BH LOCATION: North Side of Lagoon

SUBSURFACE PROFILE				SAMPLE		Comments	Well Completion Details
Depth (m)	Symbol	Description	Elev.	Sample No.	Type		
0		GROUND SURFACE	658.80			No soil samples taken	
0 to 1.5		Clay Fill Trace sand, trace rust, firm, medium plastic, damp, brown					
1.5 to 2.0		Clay Till Little sand, trace rust, firm, medium plastic, damp to moist, dark brown	657.30				
2.0 to 5.0		Clay mix with bedrock and specs of gray sand					
5.0 to 6.0		Little coal					
6.0 to 7.0		Clay Shale Bedrock Firm, damp, gray	651.80				
7.0 to 7.5			651.30				
7.5 to 8.0		END OF BOREHOLE Open to 4.5 m upon completion					

LOGGED BY: JC
 CONTRACTOR: SPT Drilling
 RIG/METHOD: Track Mounted Solid Stem Auger
 DATE: July 26, 2023
 CALIBRATION:

GROUND ELEVATION: 658.8
 NORTHING: 647025
 EASTING: 5998787



CLIENT: County of Barrhead
 SITE: NW 19-59-5 W5M Near Thunder Lake
 NOTES:

BOREHOLE NO.: 23-02

PROJECT NO.: ED2818
 BH LOCATION: South Side of Lagoon

SUBSURFACE PROFILE				SAMPLE		Comments	Well Completion Details
Depth (m)	Symbol	Description	Elev.	Sample No.	Type		
0		GROUND SURFACE	656.80			No soil samples taken	
0 to 1	<i>Peat</i>	Organic matter, trace wood, soft, moist					
1 to 3	<i>Clay with Peat</i>	Trace woodchips, soft, moist, gray	655.80				
3 to 7.5	<i>Clay</i>	Soft to firm, medium plastic, damp to moist, gray	653.80				
5.0		Groundwater seepage					
6.0		Grayish sand inclusion					
7.5			649.30				
8		END OF BOREHOLE					
		Open to 7.5 m upon completion 2.7 m of groundwater					

LOGGED BY: JC
 CONTRACTOR: SPT Drilling
 RIG/METHOD: Track Mounted Solid Stem Auger
 DATE: July 26, 2023
 CALIBRATION:

GROUND ELEVATION: 656.8
 NORTHING: 647110
 EASTING: 5998913



CLIENT: County of Barrhead
 SITE: NW 19-59-5 W5M Near Thunder Lake
 NOTES:

BOREHOLE NO.: 23-03

PROJECT NO.: ED2818
 BH LOCATION: East Side of Lagoon

SUBSURFACE PROFILE				SAMPLE		Comments	Well Completion Details
Depth (m)	Symbol	Description	Elev.	Sample No.	Type		
0		GROUND SURFACE	657.10			No soil samples taken	
0		Organics Some woodchips, soft, dark brown	656.60				
1		Clay Soft, medium plastic, moist, brown	655.60				
2		Clay with Peat Trace woodchips, soft, moist, brown	655.30				
2		Clay Soft to firm, medium plastic, damp, gray					
3							
4							
5		Groundwater seepage					
6							
7			649.90				
7		Sand Soft, damp, gray	649.60				
8		END OF BOREHOLE Open to 7.5 m upon completion 2.1 to 2.4 m of groundwater					

LOGGED BY: JC
 CONTRACTOR: SPT Drilling
 RIG/METHOD: Track Mounted Solid Stem Auger
 DATE: July 26, 2023
 CALIBRATION:

GROUND ELEVATION: 657.1
 NORTHING: 647157
 EASTING: 5998871



CLIENT: County of Barrhead
 SITE: NW 19-59-5 W5M Near Thunder Lake
 NOTES:

BOREHOLE NO.: 23-04
 PROJECT NO.: ED2818
 BH LOCATION: West Side of Lagoon

SUBSURFACE PROFILE				SAMPLE		Comments	Well Completion Details
Depth (m)	Symbol	Description	Elev.	Sample No.	Type		
0		GROUND SURFACE	658.20			No soil samples taken	
0 to 1.5		Clay Fill Little gravel, trace roots, soft, medium plastic, damp, brown					
1.5 to 1.8		Clay Soft, medium plastic, damp, brown	657.00				
1.8 to 2.0		Clay with Peat Trace woodchips, soft, medium plastic, damp, brown	656.70				
2.0 to 2.2		Peat Trace roots, soft, damp, brown	656.20				
2.2 to 4.0							
4.0 to 4.5		Clay Soft, medium plastic, damp, gray and brown	654.20				
4.5 to 6.5							
6.5 to 7.5							
7.5 to 8.0			650.70				
8.0		END OF BOREHOLE					
8.0		Open to 4.5 m upon completion 1 m of groundwater above slugh					

LOGGED BY: JC
 CONTRACTOR: SPT Drilling
 RIG/METHOD: Track Mounted Soild Stem Auger
 DATE: July 26, 2023
 CALIBRATION:

GROUND ELEVATION: 658.2
 NORTHING: 646973
 EASTING: 5998807

The terms and symbols used on the borehole logs to summarize the results of the field investigation and subsequent laboratory testing are described on the following two pages.

The borehole logs are a graphical representation summarizing the soil profile as determined during site specific field investigation. The materials, boundaries, and conditions have been established only at the borehole location at the time of drilling. The soil conditions shown on the borehole logs are not necessarily representative of the subsurface conditions elsewhere across the site. The transitions in soil profile usually have gradual rather than distinct unit boundaries as shown on the borehole logs.

1. PRINCIPAL SOIL TYPE – The major soil type by weight of material or by behaviour.

Material	Grain Size
Boulders	Larger than 300 mm
Cobbles	75 mm to 300 mm
Coarse Gravel	19 mm to 75 mm
Fine Gravel	5 mm to 19 mm
Coarse Sand	2 mm to 5 mm
Medium Sand	0.425 mm to 2 mm
Fine Sand	0.075 mm to 0.425 mm
Silt & Clay	Smaller than 0.075 mm

2. DESCRIPTION OF MINOR SOIL TYPE – Minor soil types are identified by weight of minor component.

Percent	Descriptor
35 to 50	and
20 to 35	some
10 to 20	little
1 to 10	trace

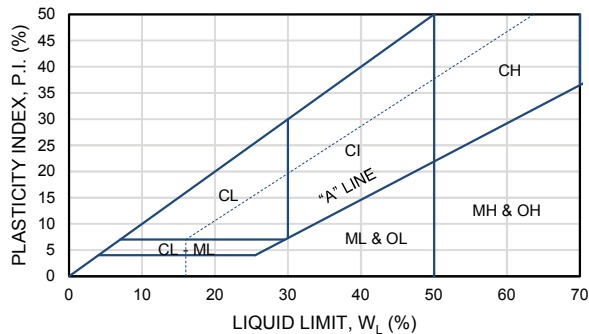
3. RELATIVE STRENGTH OF COARSE GRAINED SOIL – The following terms are used relative to Standard Penetration Test (SPT), ASTM D1586, N value for blows per 300 mm.

Description	N Value
Very Loose	Less than 4
Loose	4 to 10
Compact	10 to 30
Dense	30 to 50
Very Dense	Over 50

4. CONSISTENCY OF FINE GRAINED SOILS – The following terms are used relative to undrained shear strength and Standard Penetration Test (SPT), ASTM D1586, N value for blows per 300 mm. It is noted that this correlation needs to be used with caution as the correlation is only very approximate.

Description	Undrained Shear Strength, C_u (kPa)	N Value
Very Soft	Less than 12	Less than 2
Soft	12 to 25	2 to 4
Firm	25 to 50	4 to 8
Stiff	50 to 100	8 to 15
Very Stiff	100 to 150	15 to 30
Hard	Over 150	Over 30

MODIFIED UNIFIED CLASSIFICATION SYSTEM FOR SOILS								
MAJOR DIVISION		GROUP SYMBOL	GRAPH SYMBOL	TYPICAL DESCRIPTION	LABORATORY CLASSIFICATION CRITERIA			
COARSE GRAINED SOILS <small>(MORE THAN HALF BY WEIGHT LARGER THAN NO. 200 SIEVE)</small>	GRAVELS <small>MORE THAN HALF COARSE GRAINS LARGER THAN NO. 4 SIEVE</small>	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>	GW		WELL GRADED GRAVELS, GRAVEL-SAND MIXTURE, LITTLE OR NO FINES	$C_u = \frac{D_{60}}{D_{10}} > C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} = 1 \text{ to } 3$		
		DIRTY GRAVELS <small>(WITH SOME FINES)</small>	GP		POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	NOT MEETING ABOVE REQUIREMENTS		
		DIRTY GRAVELS <small>(WITH SOME FINES)</small>	GM		SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	CONTENT OF FINES EXCEEDS 12%	ATTERBERG LIMITS BELOW "A" LINE OR P.I. LESS THAN 4	
			GC		CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES		ATTERBERG LIMITS ABOVE "A" LINE OR P.I. LESS THAN 7	
	SANDS <small>MORE THAN HALF FINE GRAINS SMALLER THAN NO. 4 SIEVE</small>	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>	SW		WELL GRADED SANDS, GRAVELLY SANDS WITH LITTLE OR NO FINES	$C_u = \frac{D_{60}}{D_{10}} > C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} = 1 \text{ to } 3$		
		DIRTY SANDS <small>(WITH SOME FINES)</small>	SP		POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	NOT MEETING ABOVE REQUIREMENTS		
		DIRTY SANDS <small>(WITH SOME FINES)</small>	SM		SILTY SANDS, SAND-SILT MIXTURES	CONTENT OF FINES EXCEEDS 12%	ATTERBERG LIMITS BELOW "A" LINE OR P.I. LESS THAN 4	
			SC		CLAYEY SANDS, SAND-CLAY MIXTURES		ATTERBERG LIMITS ABOVE "A" LINE OR P.I. LESS THAN 7	
	FINE-GRAINED SOILS <small>(MORE THAN HALF BY WEIGHT PASSES NO. 200 SIEVE)</small>	SILTS <small>BELOW "A" LINE NEGLIGIBLE ORGANIC CONTENT</small>	$W_L < 50\%$	ML		INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	CLASSIFICATION IS BASED UPON PLASTICITY CHART (SEE BELOW)	
			$W_L > 50\%$	MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS, FINE SANDY OR SILTY SOILS		
CLAYS <small>ABOVE "A" LINE NEGLIGIBLE ORGANIC CONTENT</small>		$W_L < 30\%$	CL		INORGANIC CLAYS OF LOW PLASTICITY, GRAVELLY, SANDY, OR SILTY SOILS			
		$30\% < W_L < 50\%$	CI		INORGANIC CLAYS OF MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS			
		$W_L > 50\%$	CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS			
ORGANIC SILTS & CLAYS <small>BELOW "A" LINE</small>		$W_L < 50\%$	OL		ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW AND MEDIUM PLASTICITY			
		$W_L > 50\%$	OH		ORGANIC CLAYS OF HIGH PLASTICITY, ORGANIC SILTS			
HIGHLY ORGANIC SOILS		Pt		PEAT AND OTHER HIGHLY ORGANIC SOILS	STRONG COLOR OR ODOR, AND OFTEN FIBROUS TEXTURE			



NOTES ON SOIL CLASSIFICATION AND DESCRIPTION:

- Soil are classified and described according to their engineering properties and behaviour.
- Boundary classification for soil with characteristics of two groups are given combined group symbols (e.g. GW-GC is a well graded gravel sand mixture with clay binder between 5 and 12%).
- Soil classification is in accordance with the Unified Soil Classification System (ASTM D2487) with the exception that an inorganic clay of medium plasticity (CI) is recognized.
- The use of modifying adjectives may be employed to define the estimated percentage range by eight of minor components.

APPENDIX C



ANALYTICAL CHEMISTRY REPORTS

CERTIFICATE OF ANALYSIS

REPORTED TO	ParklandGEO Ltd. 189 Pembina Road Sherwood Park, AB T8H 2W8	WORK ORDER	23H1038
ATTENTION	Chase Campbell	RECEIVED / TEMP REPORTED	2023-08-08 14:00 / 15.1°C 2023-08-16 10:24
PO NUMBER		COC NUMBER	12503
PROJECT	ED2818		
PROJECT INFO			

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

We've Got Chemistry



It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Ahead of the Curve



Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: <https://www.caro.ca/terms-conditions>

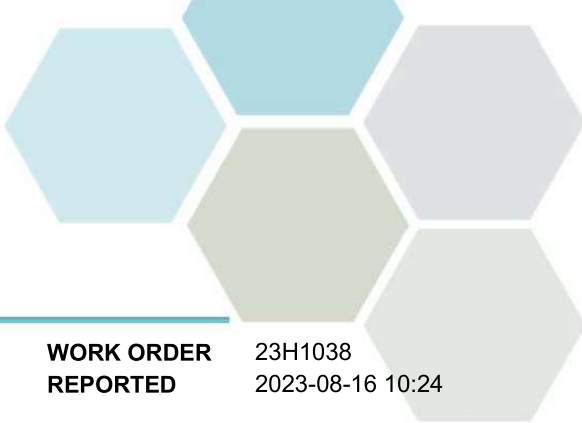
If you have any questions or concerns, please contact me at rpschyk@caro.ca

Authorized By:

Regan Pshyk
Account Manager

1-888-311-8846 | www.caro.ca

#110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7 | #108 4475 Wayburne Drive Burnaby, BC V5G 4X4



TEST RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
---------	--------	----	-------	----------	-----------

BH23-01 (23H1038-01) | Matrix: Water | Sampled: 2023-08-08

Anions

Chloride	27.2	0.50	mg/L	2023-08-11	
Nitrate (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Nitrite (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Sulfate	468	1.0	mg/L	2023-08-11	

Calculated Parameters

Hardness, Dissolved (as CaCO3)	941	1.25	mg/L	N/A	
Ion Balance	97.1		%	N/A	
Nitrate+Nitrite (As N)	< 0.500	0.500	mg/L	N/A	
Solids, Total Dissolved	1400	10.0	mg/L	N/A	

Dissolved Metals

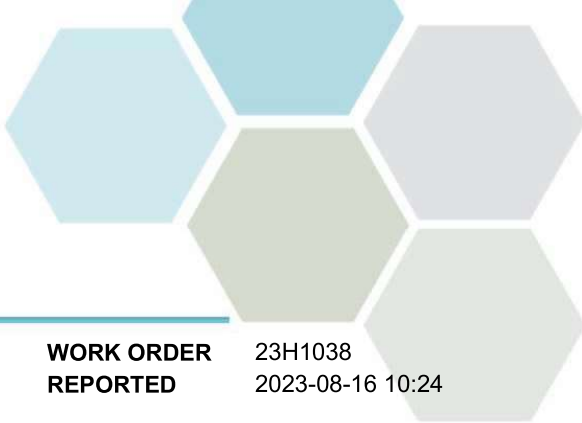
Calcium, dissolved	226	0.050	mg/L	2023-08-16	
Iron, dissolved	< 0.100	0.100	mg/L	2023-08-15	
Magnesium, dissolved	91.5	0.030	mg/L	2023-08-16	
Manganese, dissolved	0.339	0.010	mg/L	2023-08-15	
Potassium, dissolved	5.28	0.200	mg/L	2023-08-15	
Sodium, dissolved	130	0.050	mg/L	2023-08-15	

General Parameters

Alkalinity, Total (as CaCO3)	740	2.0	mg/L	2023-08-14	
Bicarbonate (HCO3)	903	2.0	mg/L	2023-08-14	
Carbonate (CO3)	< 2.0	2.0	mg/L	2023-08-14	
Hydroxide (OH)	< 2.0	2.0	mg/L	2023-08-14	
Ammonia, Total (as N)	0.130	0.050	mg/L	2023-08-12	
Chemical Oxygen Demand	52	20	mg/L	2023-08-09	
Conductivity (EC)	1930	2.0	µS/cm	2023-08-14	
Fluoride	0.341	0.050	mg/L	2023-08-14	
Nitrogen, Total Kjeldahl	0.725	0.050	mg/L	2023-08-11	
pH	6.87	0.10	pH units	2023-08-14	HT2

Total Metals

Aluminum, total	0.0353	0.0050	mg/L	2023-08-12	
Antimony, total	< 0.00020	0.00020	mg/L	2023-08-12	
Arsenic, total	0.00101	0.00050	mg/L	2023-08-12	
Barium, total	0.0730	0.0050	mg/L	2023-08-12	
Beryllium, total	< 0.00010	0.00010	mg/L	2023-08-12	
Bismuth, total	< 0.00010	0.00010	mg/L	2023-08-12	
Boron, total	0.124	0.0500	mg/L	2023-08-12	
Cadmium, total	0.000031	0.000010	mg/L	2023-08-12	
Calcium, total	245	0.20	mg/L	2023-08-12	
Chromium, total	< 0.00050	0.00050	mg/L	2023-08-12	
Cobalt, total	0.00136	0.00010	mg/L	2023-08-12	
Copper, total	0.00265	0.00040	mg/L	2023-08-12	



TEST RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
---------	--------	----	-------	----------	-----------

BH23-01 (23H1038-01) | Matrix: Water | Sampled: 2023-08-08, Continued

Total Metals, Continued

Iron, total	0.059	0.010	mg/L	2023-08-12	
Lead, total	< 0.00020	0.00020	mg/L	2023-08-12	
Lithium, total	0.199	0.00010	mg/L	2023-08-12	
Magnesium, total	87.9	0.010	mg/L	2023-08-12	
Manganese, total	0.425	0.00020	mg/L	2023-08-12	
Molybdenum, total	0.00154	0.00010	mg/L	2023-08-12	
Nickel, total	0.00632	0.00040	mg/L	2023-08-12	
Phosphorus, total	< 0.050	0.050	mg/L	2023-08-12	
Potassium, total	5.42	0.10	mg/L	2023-08-12	
Selenium, total	0.00078	0.00050	mg/L	2023-08-12	
Silicon, total	10.9	1.0	mg/L	2023-08-12	
Silver, total	< 0.000050	0.000050	mg/L	2023-08-12	
Sodium, total	118	0.10	mg/L	2023-08-12	
Strontium, total	1.42	0.0010	mg/L	2023-08-12	
Sulfur, total	168	3.0	mg/L	2023-08-12	
Tellurium, total	< 0.00050	0.00050	mg/L	2023-08-12	
Thallium, total	0.000041	0.000020	mg/L	2023-08-12	
Thorium, total	< 0.00010	0.00010	mg/L	2023-08-12	
Tin, total	0.00091	0.00020	mg/L	2023-08-12	
Titanium, total	< 0.0050	0.0050	mg/L	2023-08-12	
Tungsten, total	< 0.0010	0.0010	mg/L	2023-08-12	
Uranium, total	0.0473	0.000020	mg/L	2023-08-12	
Vanadium, total	< 0.0050	0.0050	mg/L	2023-08-12	
Zinc, total	0.0445	0.0040	mg/L	2023-08-12	
Zirconium, total	0.00074	0.00010	mg/L	2023-08-12	

BH23-02 (23H1038-02) | Matrix: Water | Sampled: 2023-08-08

Anions

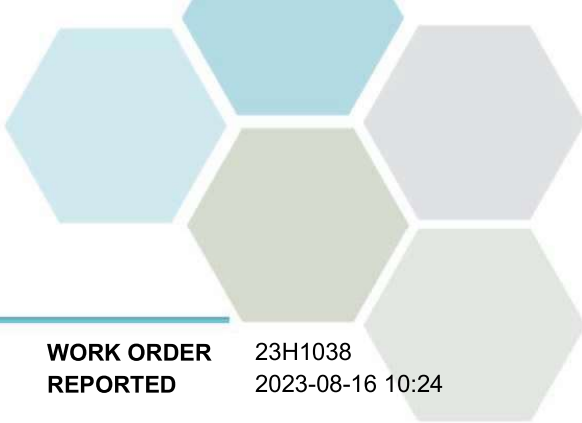
Chloride	288	0.50	mg/L	2023-08-11	
Nitrate (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Nitrite (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Sulfate	< 10.0	1.0	mg/L	2023-08-11	

Calculated Parameters

Hardness, Dissolved (as CaCO3)	1030	1.25	mg/L	N/A	
Ion Balance	100		%	N/A	
Nitrate+Nitrite (As N)	< 0.500	0.500	mg/L	N/A	
Solids, Total Dissolved	1600	50.0	mg/L	N/A	

Dissolved Metals

Calcium, dissolved	248	0.050	mg/L	2023-08-16	
Iron, dissolved	< 0.100	0.100	mg/L	2023-08-15	



TEST RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
---------	--------	----	-------	----------	-----------

BH23-02 (23H1038-02) | Matrix: Water | Sampled: 2023-08-08, Continued

Dissolved Metals, Continued

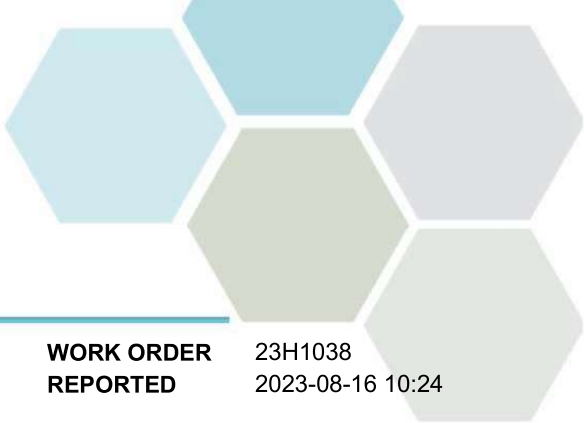
Magnesium, dissolved	98.3	0.030	mg/L	2023-08-16	
Manganese, dissolved	0.587	0.010	mg/L	2023-08-15	
Potassium, dissolved	21.5	0.200	mg/L	2023-08-16	
Sodium, dissolved	240	0.050	mg/L	2023-08-16	

General Parameters

Alkalinity, Total (as CaCO3)	1160	2.0	mg/L	2023-08-14	
Bicarbonate (HCO3)	1420	2.0	mg/L	2023-08-14	
Carbonate (CO3)	< 2.0	2.0	mg/L	2023-08-14	
Hydroxide (OH)	< 2.0	2.0	mg/L	2023-08-14	
Ammonia, Total (as N)	8.74	0.050	mg/L	2023-08-12	
Chemical Oxygen Demand	230	20	mg/L	2023-08-09	
Conductivity (EC)	2690	2.0	µS/cm	2023-08-14	
Fluoride	0.118	0.050	mg/L	2023-08-14	
Nitrogen, Total Kjeldahl	14.5	0.050	mg/L	2023-08-11	
pH	6.65	0.10	pH units	2023-08-14	HT2

Total Metals

Aluminum, total	0.0768	0.0050	mg/L	2023-08-12	
Antimony, total	< 0.00020	0.00020	mg/L	2023-08-12	
Arsenic, total	0.0908	0.00050	mg/L	2023-08-12	
Barium, total	1.65	0.0050	mg/L	2023-08-12	
Beryllium, total	< 0.00010	0.00010	mg/L	2023-08-12	
Bismuth, total	< 0.00010	0.00010	mg/L	2023-08-12	
Boron, total	0.0835	0.0500	mg/L	2023-08-12	
Cadmium, total	< 0.000010	0.000010	mg/L	2023-08-12	
Calcium, total	252	0.20	mg/L	2023-08-12	
Chromium, total	0.00069	0.00050	mg/L	2023-08-12	
Cobalt, total	0.00728	0.00010	mg/L	2023-08-12	
Copper, total	0.00047	0.00040	mg/L	2023-08-12	
Iron, total	68.5	0.010	mg/L	2023-08-12	
Lead, total	< 0.00020	0.00020	mg/L	2023-08-12	
Lithium, total	0.0658	0.00010	mg/L	2023-08-12	
Magnesium, total	98.1	0.010	mg/L	2023-08-12	
Manganese, total	0.778	0.00020	mg/L	2023-08-12	
Molybdenum, total	0.00174	0.00010	mg/L	2023-08-12	
Nickel, total	0.00835	0.00040	mg/L	2023-08-12	
Phosphorus, total	1.30	0.050	mg/L	2023-08-12	
Potassium, total	21.5	0.10	mg/L	2023-08-12	
Selenium, total	< 0.00050	0.00050	mg/L	2023-08-12	
Silicon, total	18.5	1.0	mg/L	2023-08-12	
Silver, total	< 0.000050	0.000050	mg/L	2023-08-12	
Sodium, total	219	0.10	mg/L	2023-08-12	
Strontium, total	1.71	0.0010	mg/L	2023-08-12	



TEST RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
---------	--------	----	-------	----------	-----------

BH23-02 (23H1038-02) | Matrix: Water | Sampled: 2023-08-08, Continued

Total Metals, Continued

Sulfur, total	3.4	3.0	mg/L	2023-08-12	
Tellurium, total	< 0.00050	0.00050	mg/L	2023-08-12	
Thallium, total	< 0.000020	0.000020	mg/L	2023-08-12	
Thorium, total	< 0.00010	0.00010	mg/L	2023-08-12	
Tin, total	0.00053	0.00020	mg/L	2023-08-12	
Titanium, total	< 0.0050	0.0050	mg/L	2023-08-12	
Tungsten, total	< 0.0010	0.0010	mg/L	2023-08-12	
Uranium, total	0.000165	0.000020	mg/L	2023-08-12	
Vanadium, total	< 0.0050	0.0050	mg/L	2023-08-12	
Zinc, total	0.0133	0.0040	mg/L	2023-08-12	
Zirconium, total	0.00282	0.00010	mg/L	2023-08-12	

BH23-03 (23H1038-03) | Matrix: Water | Sampled: 2023-08-08

Anions

Chloride	219	0.50	mg/L	2023-08-11	
Nitrate (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Nitrite (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Sulfate	56.2	1.0	mg/L	2023-08-11	

Calculated Parameters

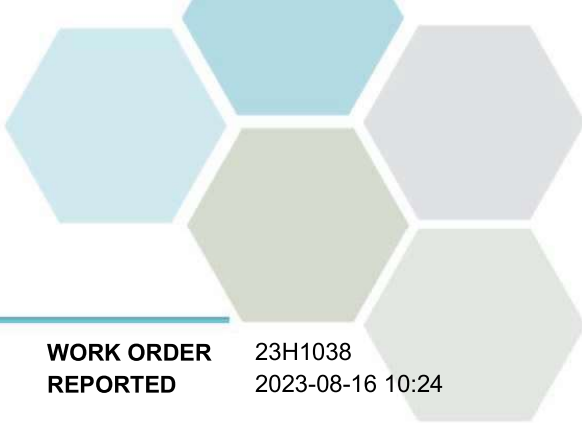
Hardness, Dissolved (as CaCO3)	1090	1.25	mg/L	N/A	
Ion Balance	99.8		%	N/A	
Nitrate+Nitrite (As N)	< 0.500	0.500	mg/L	N/A	
Solids, Total Dissolved	1410	50.0	mg/L	N/A	

Dissolved Metals

Calcium, dissolved	243	0.050	mg/L	2023-08-16	
Iron, dissolved	< 0.100	0.100	mg/L	2023-08-15	
Magnesium, dissolved	116	0.030	mg/L	2023-08-16	
Manganese, dissolved	1.99	0.010	mg/L	2023-08-15	
Potassium, dissolved	9.30	0.200	mg/L	2023-08-15	
Sodium, dissolved	139	0.050	mg/L	2023-08-15	

General Parameters

Alkalinity, Total (as CaCO3)	1040	2.0	mg/L	2023-08-14	
Bicarbonate (HCO3)	1260	2.0	mg/L	2023-08-14	
Carbonate (CO3)	< 2.0	2.0	mg/L	2023-08-14	
Hydroxide (OH)	< 2.0	2.0	mg/L	2023-08-14	
Ammonia, Total (as N)	0.654	0.050	mg/L	2023-08-12	
Chemical Oxygen Demand	100	20	mg/L	2023-08-09	
Conductivity (EC)	2280	2.0	µS/cm	2023-08-14	
Fluoride	0.400	0.050	mg/L	2023-08-14	
Nitrogen, Total Kjeldahl	2.58	0.050	mg/L	2023-08-11	



TEST RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
---------	--------	----	-------	----------	-----------

BH23-03 (23H1038-03) | Matrix: Water | Sampled: 2023-08-08, Continued

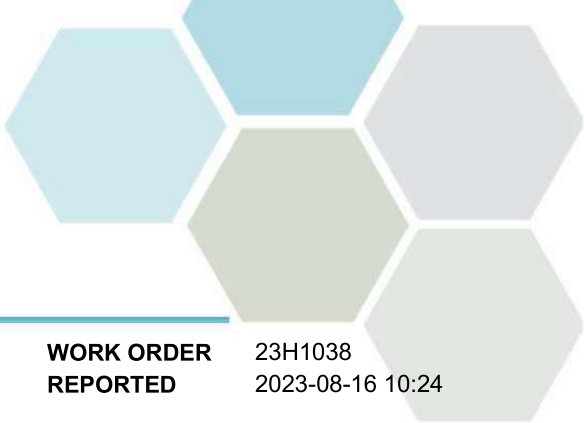
General Parameters, Continued

pH	6.71	0.10	pH units	2023-08-14	HT2
----	------	------	----------	------------	-----

Total Metals

Aluminum, total	0.195	0.0050	mg/L	2023-08-12	
Antimony, total	< 0.00020	0.00020	mg/L	2023-08-12	
Arsenic, total	0.00386	0.00050	mg/L	2023-08-12	
Barium, total	0.493	0.0050	mg/L	2023-08-12	
Beryllium, total	< 0.00010	0.00010	mg/L	2023-08-12	
Bismuth, total	< 0.00010	0.00010	mg/L	2023-08-12	
Boron, total	0.200	0.0500	mg/L	2023-08-12	
Cadmium, total	0.000068	0.000010	mg/L	2023-08-12	
Calcium, total	245	0.20	mg/L	2023-08-12	
Chromium, total	0.00058	0.00050	mg/L	2023-08-12	
Cobalt, total	0.0126	0.00010	mg/L	2023-08-12	
Copper, total	0.00249	0.00040	mg/L	2023-08-12	
Iron, total	2.76	0.010	mg/L	2023-08-12	
Lead, total	0.00025	0.00020	mg/L	2023-08-12	
Lithium, total	0.102	0.00010	mg/L	2023-08-12	
Magnesium, total	114	0.010	mg/L	2023-08-12	
Manganese, total	2.58	0.00020	mg/L	2023-08-12	
Molybdenum, total	0.00285	0.00010	mg/L	2023-08-12	
Nickel, total	0.0199	0.00040	mg/L	2023-08-12	
Phosphorus, total	< 0.050	0.050	mg/L	2023-08-12	
Potassium, total	9.94	0.10	mg/L	2023-08-12	
Selenium, total	0.00057	0.00050	mg/L	2023-08-12	
Silicon, total	13.6	1.0	mg/L	2023-08-12	
Silver, total	< 0.000050	0.000050	mg/L	2023-08-12	
Sodium, total	127	0.10	mg/L	2023-08-12	
Strontium, total	1.85	0.0010	mg/L	2023-08-12	
Sulfur, total	22.5	3.0	mg/L	2023-08-12	
Tellurium, total	< 0.00050	0.00050	mg/L	2023-08-12	
Thallium, total	0.000034	0.000020	mg/L	2023-08-12	
Thorium, total	< 0.00010	0.00010	mg/L	2023-08-12	
Tin, total	0.00109	0.00020	mg/L	2023-08-12	
Titanium, total	0.0074	0.0050	mg/L	2023-08-12	
Tungsten, total	< 0.0010	0.0010	mg/L	2023-08-12	
Uranium, total	0.0108	0.000020	mg/L	2023-08-12	
Vanadium, total	< 0.0050	0.0050	mg/L	2023-08-12	
Zinc, total	0.0430	0.0040	mg/L	2023-08-12	
Zirconium, total	0.00300	0.00010	mg/L	2023-08-12	

BH23-04 (23H1038-04) | Matrix: Water | Sampled: 2023-08-08



TEST RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
---------	--------	----	-------	----------	-----------

BH23-04 (23H1038-04) | Matrix: Water | Sampled: 2023-08-08, Continued

Anions

Chloride	329	0.50	mg/L	2023-08-11	
Nitrate (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Nitrite (as N)	< 0.500	0.050	mg/L	2023-08-11	RS1
Sulfate	14.2	1.0	mg/L	2023-08-11	

Calculated Parameters

Hardness, Dissolved (as CaCO3)	440	0.125	mg/L	N/A	
Ion Balance	104		%	N/A	
Nitrate+Nitrite (As N)	< 0.500	0.500	mg/L	N/A	
Solids, Total Dissolved	2080	50.0	mg/L	N/A	

Dissolved Metals

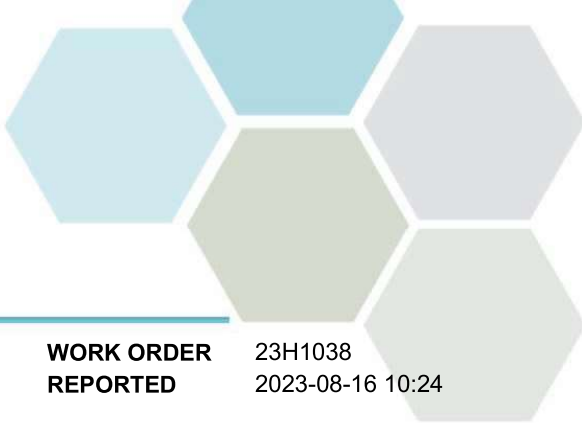
Calcium, dissolved	115	0.050	mg/L	2023-08-15	
Iron, dissolved	< 0.100	0.100	mg/L	2023-08-15	
Magnesium, dissolved	36.9	0.030	mg/L	2023-08-15	
Manganese, dissolved	1.51	0.010	mg/L	2023-08-15	
Potassium, dissolved	9.67	0.200	mg/L	2023-08-15	
Sodium, dissolved	705	0.050	mg/L	2023-08-16	

General Parameters

Alkalinity, Total (as CaCO3)	1430	2.0	mg/L	2023-08-14	
Bicarbonate (HCO3)	1750	2.0	mg/L	2023-08-14	
Carbonate (CO3)	< 2.0	2.0	mg/L	2023-08-14	
Hydroxide (OH)	< 2.0	2.0	mg/L	2023-08-14	
Ammonia, Total (as N)	1.49	0.050	mg/L	2023-08-12	
Chemical Oxygen Demand	118	20	mg/L	2023-08-09	
Conductivity (EC)	3240	2.0	µS/cm	2023-08-14	
Fluoride	1.28	0.050	mg/L	2023-08-14	
Nitrogen, Total Kjeldahl	4.90	0.050	mg/L	2023-08-11	
pH	7.09	0.10	pH units	2023-08-14	HT2

Total Metals

Aluminum, total	0.0294	0.0050	mg/L	2023-08-12	RS1
Antimony, total	< 0.00040	0.00020	mg/L	2023-08-12	RS1
Arsenic, total	0.0372	0.00050	mg/L	2023-08-12	RS1
Barium, total	0.487	0.0050	mg/L	2023-08-12	RS1
Beryllium, total	< 0.00020	0.00010	mg/L	2023-08-12	RS1
Bismuth, total	< 0.00020	0.00010	mg/L	2023-08-12	RS1
Boron, total	0.640	0.0500	mg/L	2023-08-12	RS1
Cadmium, total	< 0.000020	0.000010	mg/L	2023-08-12	RS1
Calcium, total	116	0.20	mg/L	2023-08-12	RS1
Chromium, total	< 0.00100	0.00050	mg/L	2023-08-12	RS1
Cobalt, total	0.00526	0.00010	mg/L	2023-08-12	RS1
Copper, total	0.00085	0.00040	mg/L	2023-08-12	RS1



TEST RESULTS

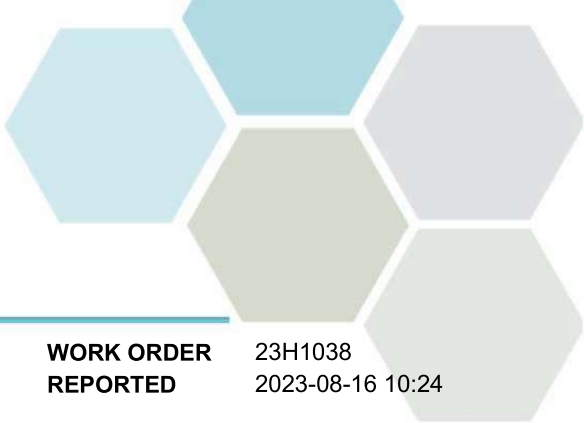
REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL	Units	Analyzed	Qualifier
BH23-04 (23H1038-04) Matrix: Water Sampled: 2023-08-08, Continued					
<i>Total Metals, Continued</i>					
Iron, total	18.8	0.010	mg/L	2023-08-12	RS1
Lead, total	< 0.00040	0.00020	mg/L	2023-08-12	RS1
Lithium, total	0.0498	0.00010	mg/L	2023-08-12	RS1
Magnesium, total	41.0	0.010	mg/L	2023-08-12	RS1
Manganese, total	2.55	0.00020	mg/L	2023-08-12	RS1
Molybdenum, total	0.0121	0.00010	mg/L	2023-08-12	RS1
Nickel, total	0.0197	0.00040	mg/L	2023-08-12	RS1
Phosphorus, total	0.452	0.050	mg/L	2023-08-12	RS1
Potassium, total	9.88	0.10	mg/L	2023-08-12	RS1
Selenium, total	< 0.00100	0.00050	mg/L	2023-08-12	RS1
Silicon, total	11.6	1.0	mg/L	2023-08-12	RS1
Silver, total	< 0.000100	0.000050	mg/L	2023-08-12	RS1
Sodium, total	633	0.10	mg/L	2023-08-12	RS1
Strontium, total	0.514	0.0010	mg/L	2023-08-12	RS1
Sulfur, total	< 6.0	3.0	mg/L	2023-08-12	RS1
Tellurium, total	< 0.00100	0.00050	mg/L	2023-08-12	RS1
Thallium, total	< 0.000040	0.000020	mg/L	2023-08-12	RS1
Thorium, total	< 0.00020	0.00010	mg/L	2023-08-12	RS1
Tin, total	0.00043	0.00020	mg/L	2023-08-12	RS1
Titanium, total	< 0.0100	0.0050	mg/L	2023-08-12	RS1
Tungsten, total	< 0.0020	0.0010	mg/L	2023-08-12	RS1
Uranium, total	0.00243	0.000020	mg/L	2023-08-12	RS1
Vanadium, total	< 0.0100	0.0050	mg/L	2023-08-12	RS1
Zinc, total	0.0088	0.0040	mg/L	2023-08-12	RS1
Zirconium, total	0.00428	0.00010	mg/L	2023-08-12	RS1

Sample Qualifiers:

- HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.
- RS1 The Reporting Limits for this sample have been raised due to high analyte concentration.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

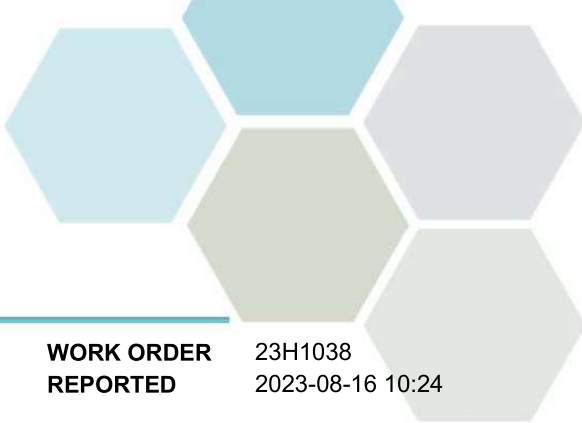
WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analysis Description	Method Ref.	Technique	Accredited	Location
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Edmonton
Ammonia, Total in Water	SM 4500-NH3 D* (2021)	Ion Selective Electrode	✓	Edmonton
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Edmonton
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Edmonton
Conductivity in Water	SM 2510 B (2021)	Conductivity Meter	✓	Edmonton
Dissolved Metals in Water	EPA 6010D / EPA 6010D	0.45 µm Filtration / Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES)	✓	Edmonton
Fluoride in Water	SM 4500-F C (2021)	Ion Selective Electrode	✓	Edmonton
Hardness in Water	SM 2340 B (2021)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	N/A
Ion Balance in Water	SM 1030 E (2021)	SM 1030 E		N/A
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
pH in Water	SM 4500-H+ B (2021)	Electrometry	✓	Edmonton
Solids, Total Dissolved in Water	SM 1030 E (2021)	SM 1030 E		N/A
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
%	Percent
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
mg/L	Milligrams per litre
pH units	pH < 7 = acidic, pH > 7 = basic
µS/cm	Microsiemens per centimetre
Varies w/ Chloride	
Varies w/ Hardness	
Varies w/ pH&Temp	
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO ParklandGEO Ltd.
PROJECT ED2818

WORK ORDER 23H1038
REPORTED 2023-08-16 10:24

General Comments:

The results in this report apply to the received samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Caro will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted **red**. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager: rpshyk@caro.ca

Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability or responsibility for any loss attributed from the use of these guidelines in any way.



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO ParklandGEO Ltd.
PROJECT ED2818

WORK ORDER 23H1038
REPORTED 2023-08-16 10:24

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk):** A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup):** An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- **Blank Spike (BS):** A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- **Matrix Spike (MS):** A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- **Reference Material (SRM):** A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Anions, Batch B3H0897									
Blank (B3H0897-BLK1)			Prepared: 2023-08-10, Analyzed: 2023-08-10						
Chloride	< 0.50	0.50 mg/L							
Nitrate (as N)	< 0.050	0.050 mg/L							
Nitrite (as N)	< 0.050	0.050 mg/L							
Sulfate	< 1.0	1.0 mg/L							
Blank (B3H0897-BLK2)			Prepared: 2023-08-11, Analyzed: 2023-08-11						
Chloride	< 0.50	0.50 mg/L							
Nitrate (as N)	< 0.050	0.050 mg/L							
Nitrite (as N)	< 0.050	0.050 mg/L							
Sulfate	< 1.0	1.0 mg/L							
LCS (B3H0897-BS1)			Prepared: 2023-08-10, Analyzed: 2023-08-10						
Chloride	9.74	0.50 mg/L	10.0		97	90-110			
Nitrate (as N)	0.941	0.050 mg/L	1.00		94	92-108			
Nitrite (as N)	0.496	0.050 mg/L	0.500		99	85-115			
Sulfate	48.3	1.0 mg/L	50.0		97	90-110			
LCS (B3H0897-BS2)			Prepared: 2023-08-11, Analyzed: 2023-08-11						
Chloride	9.92	0.50 mg/L	10.0		99	90-110			
Nitrate (as N)	0.968	0.050 mg/L	1.00		97	92-108			
Nitrite (as N)	0.500	0.050 mg/L	0.500		100	85-115			
Sulfate	49.0	1.0 mg/L	50.0		98	90-110			

Dissolved Metals, Batch B3H1499

Blank (B3H1499-BLK1)			Prepared: 2023-08-15, Analyzed: 2023-08-15						
Calcium, dissolved	< 0.050	0.050 mg/L							
Iron, dissolved	< 0.100	0.100 mg/L							
Magnesium, dissolved	< 0.030	0.030 mg/L							
Manganese, dissolved	< 0.010	0.010 mg/L							
Potassium, dissolved	< 0.200	0.200 mg/L							
Sodium, dissolved	< 0.050	0.050 mg/L							
LCS (B3H1499-BS1)			Prepared: 2023-08-15, Analyzed: 2023-08-15						
Calcium, dissolved	104	0.050 mg/L	100		104	80-120			
Iron, dissolved	49.1	0.100 mg/L	50.0		98	80-120			



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
---------	--------	----------	-------------	---------------	-------	-----------	-------	-----------	-----------

Dissolved Metals, Batch B3H1499, Continued

LCS (B3H1499-BS1), Continued			Prepared: 2023-08-15, Analyzed: 2023-08-15						
Magnesium, dissolved	20.6	0.030 mg/L	20.0		103	80-120			
Manganese, dissolved	2.43	0.010 mg/L	2.50		97	80-120			
Potassium, dissolved	5.09	0.200 mg/L	5.00		102	80-120			
Sodium, dissolved	103	0.050 mg/L	100		103	80-120			

General Parameters, Batch B3H0762

Blank (B3H0762-BLK1)			Prepared: 2023-08-09, Analyzed: 2023-08-09						
Chemical Oxygen Demand	< 20	20 mg/L							

Blank (B3H0762-BLK2)			Prepared: 2023-08-09, Analyzed: 2023-08-09						
Chemical Oxygen Demand	< 20	20 mg/L							

LCS (B3H0762-BS1)			Prepared: 2023-08-09, Analyzed: 2023-08-09						
Chemical Oxygen Demand	497	20 mg/L	500		99	85-115			

LCS (B3H0762-BS2)			Prepared: 2023-08-09, Analyzed: 2023-08-09						
Chemical Oxygen Demand	503	20 mg/L	500		101	85-115			

General Parameters, Batch B3H0997

Blank (B3H0997-BLK1)			Prepared: 2023-08-10, Analyzed: 2023-08-11						
Nitrogen, Total Kjeldahl	< 0.050	0.050 mg/L							

Blank (B3H0997-BLK2)			Prepared: 2023-08-10, Analyzed: 2023-08-11						
Nitrogen, Total Kjeldahl	< 0.050	0.050 mg/L							

LCS (B3H0997-BS1)			Prepared: 2023-08-10, Analyzed: 2023-08-11						
Nitrogen, Total Kjeldahl	1.00	0.050 mg/L	1.00		100	85-115			

LCS (B3H0997-BS2)			Prepared: 2023-08-10, Analyzed: 2023-08-11						
Nitrogen, Total Kjeldahl	0.978	0.050 mg/L	1.00		98	85-115			

General Parameters, Batch B3H1241

Blank (B3H1241-BLK1)			Prepared: 2023-08-12, Analyzed: 2023-08-12						
Ammonia, Total (as N)	< 0.050	0.050 mg/L							

LCS (B3H1241-BS1)			Prepared: 2023-08-12, Analyzed: 2023-08-12						
Ammonia, Total (as N)	0.172	0.050 mg/L	0.200		86	85-115			

General Parameters, Batch B3H1325

Blank (B3H1325-BLK1)			Prepared: 2023-08-14, Analyzed: 2023-08-14						
Alkalinity, Total (as CaCO3)	< 2.0	2.0 mg/L							
Bicarbonate (HCO3)	< 2.0	2.0 mg/L							
Carbonate (CO3)	< 2.0	2.0 mg/L							
Hydroxide (OH)	< 2.0	2.0 mg/L							
Conductivity (EC)	< 2.0	2.0 µS/cm							
pH	< 0.10	0.10 pH units							

Blank (B3H1325-BLK2)			Prepared: 2023-08-14, Analyzed: 2023-08-14						
Alkalinity, Total (as CaCO3)	2.5	2.0 mg/L							BLK
Bicarbonate (HCO3)	3.0	2.0 mg/L							BLK
Carbonate (CO3)	< 2.0	2.0 mg/L							



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
---------	--------	----------	-------------	---------------	-------	-----------	-------	-----------	-----------

General Parameters, Batch B3H1325, Continued

Blank (B3H1325-BLK2), Continued

Prepared: 2023-08-14, Analyzed: 2023-08-14

Hydroxide (OH)	< 2.0	2.0 mg/L							
Conductivity (EC)	< 2.0	2.0 µS/cm							
pH	< 0.10	0.10 pH units							

LCS (B3H1325-BS1)

Prepared: 2023-08-14, Analyzed: 2023-08-14

Alkalinity, Total (as CaCO3)	241	2.0 mg/L	250		96	94-108			
Conductivity (EC)	1020	2.0 µS/cm	1000		102	95-105			

LCS (B3H1325-BS2)

Prepared: 2023-08-14, Analyzed: 2023-08-14

Alkalinity, Total (as CaCO3)	241	2.0 mg/L	250		96	94-108			
Conductivity (EC)	1030	2.0 µS/cm	1000		103	95-105			

Reference (B3H1325-SRM1)

Prepared: 2023-08-14, Analyzed: 2023-08-14

pH	7.06	0.10 pH units	7.00		101	98-102			
----	------	---------------	------	--	-----	--------	--	--	--

Reference (B3H1325-SRM2)

Prepared: 2023-08-14, Analyzed: 2023-08-14

pH	7.08	0.10 pH units	7.00		101	98-102			
----	------	---------------	------	--	-----	--------	--	--	--

General Parameters, Batch B3H1326

Blank (B3H1326-BLK1)

Prepared: 2023-08-14, Analyzed: 2023-08-14

Fluoride	< 0.050	0.050 mg/L							
----------	---------	------------	--	--	--	--	--	--	--

LCS (B3H1326-BS1)

Prepared: 2023-08-14, Analyzed: 2023-08-14

Fluoride	0.503	0.050 mg/L	0.500		101	90-110			
----------	-------	------------	-------	--	-----	--------	--	--	--

Matrix Spike (B3H1326-MS1)

Source: 23H1038-03

Prepared: 2023-08-14, Analyzed: 2023-08-14

Fluoride	2.91	0.050 mg/L	2.50	0.400	100	90-115			
----------	------	------------	------	-------	-----	--------	--	--	--

Total Metals, Batch B3H1251

Blank (B3H1251-BLK1)

Prepared: 2023-08-12, Analyzed: 2023-08-12

Aluminum, total	< 0.0050	0.0050 mg/L							
Antimony, total	< 0.00020	0.00020 mg/L							
Arsenic, total	< 0.00050	0.00050 mg/L							
Barium, total	< 0.0050	0.0050 mg/L							
Beryllium, total	< 0.00010	0.00010 mg/L							
Bismuth, total	< 0.00010	0.00010 mg/L							
Boron, total	< 0.0500	0.0500 mg/L							
Cadmium, total	< 0.000010	0.000010 mg/L							
Calcium, total	< 0.20	0.20 mg/L							
Chromium, total	< 0.00050	0.00050 mg/L							
Cobalt, total	< 0.00010	0.00010 mg/L							
Copper, total	< 0.00040	0.00040 mg/L							
Iron, total	< 0.010	0.010 mg/L							
Lead, total	< 0.00020	0.00020 mg/L							
Lithium, total	< 0.00010	0.00010 mg/L							
Magnesium, total	< 0.010	0.010 mg/L							
Manganese, total	< 0.00020	0.00020 mg/L							
Molybdenum, total	< 0.00010	0.00010 mg/L							
Nickel, total	< 0.00040	0.00040 mg/L							
Phosphorus, total	< 0.050	0.050 mg/L							
Potassium, total	< 0.10	0.10 mg/L							
Selenium, total	< 0.00050	0.00050 mg/L							
Silicon, total	< 1.0	1.0 mg/L							
Silver, total	< 0.000050	0.000050 mg/L							



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
---------	--------	----------	-------------	---------------	-------	-----------	-------	-----------	-----------

Total Metals, Batch B3H1251, Continued

Blank (B3H1251-BLK1), Continued

Prepared: 2023-08-12, Analyzed: 2023-08-12

Sodium, total	< 0.10	0.10 mg/L							
Strontium, total	< 0.0010	0.0010 mg/L							
Sulfur, total	< 3.0	3.0 mg/L							
Tellurium, total	< 0.00050	0.00050 mg/L							
Thallium, total	< 0.000020	0.000020 mg/L							
Thorium, total	< 0.00010	0.00010 mg/L							
Tin, total	< 0.00020	0.00020 mg/L							
Titanium, total	< 0.0050	0.0050 mg/L							
Tungsten, total	< 0.0010	0.0010 mg/L							
Uranium, total	< 0.000020	0.000020 mg/L							
Vanadium, total	< 0.0050	0.0050 mg/L							
Zinc, total	< 0.0040	0.0040 mg/L							
Zirconium, total	< 0.00010	0.00010 mg/L							

LCS (B3H1251-BS1)

Prepared: 2023-08-12, Analyzed: 2023-08-12

Aluminum, total	3.94	0.0050 mg/L	4.00		99	80-120			
Antimony, total	0.0385	0.00020 mg/L	0.0400		96	80-120			
Arsenic, total	0.394	0.00050 mg/L	0.400		99	80-120			
Barium, total	0.0376	0.0050 mg/L	0.0400		94	80-120			
Beryllium, total	0.0415	0.00010 mg/L	0.0400		104	80-120			
Bismuth, total	0.0395	0.00010 mg/L	0.0400		99	80-120			
Boron, total	0.415	0.0500 mg/L	0.400		104	80-120			
Cadmium, total	0.0385	0.000010 mg/L	0.0400		96	80-120			
Calcium, total	4.09	0.20 mg/L	4.00		102	80-120			
Chromium, total	0.0397	0.00050 mg/L	0.0400		99	80-120			
Cobalt, total	0.0397	0.00010 mg/L	0.0400		99	80-120			
Copper, total	0.0396	0.00040 mg/L	0.0400		99	80-120			
Iron, total	3.92	0.010 mg/L	4.00		98	80-120			
Lead, total	0.0404	0.00020 mg/L	0.0400		101	80-120			
Lithium, total	0.0410	0.00010 mg/L	0.0400		103	80-120			
Magnesium, total	3.95	0.010 mg/L	4.00		99	80-120			
Manganese, total	0.0396	0.00020 mg/L	0.0400		99	80-120			
Molybdenum, total	0.0376	0.00010 mg/L	0.0400		94	80-120			
Nickel, total	0.0389	0.00040 mg/L	0.0400		97	80-120			
Phosphorus, total	3.95	0.050 mg/L	4.00		99	80-120			
Potassium, total	3.92	0.10 mg/L	4.00		98	80-120			
Selenium, total	0.400	0.00050 mg/L	0.400		100	80-120			
Silicon, total	4.2	1.0 mg/L	4.00		105	80-120			
Silver, total	0.0331	0.000050 mg/L	0.0400		83	80-120			
Sodium, total	3.91	0.10 mg/L	4.00		98	80-120			
Strontium, total	0.0391	0.0010 mg/L	0.0400		98	80-120			
Sulfur, total	40.6	3.0 mg/L	40.0		102	80-120			
Tellurium, total	0.0374	0.00050 mg/L	0.0400		94	80-120			
Thallium, total	0.0392	0.000020 mg/L	0.0400		98	80-120			
Thorium, total	0.0404	0.00010 mg/L	0.0400		101	80-120			
Tin, total	0.0394	0.00020 mg/L	0.0400		98	80-120			
Titanium, total	0.0396	0.0050 mg/L	0.0400		99	80-120			
Tungsten, total	0.0402	0.0010 mg/L	0.0400		100	80-120			
Uranium, total	0.0408	0.000020 mg/L	0.0400		102	80-120			
Vanadium, total	0.0395	0.0050 mg/L	0.0400		99	80-120			
Zinc, total	0.389	0.0040 mg/L	0.400		97	80-120			
Zirconium, total	0.0398	0.00010 mg/L	0.0400		99	80-120			

Duplicate (B3H1251-DUP1)

Source: 23H1038-01

Prepared: 2023-08-12, Analyzed: 2023-08-12

Aluminum, total	0.0416	0.0050 mg/L		0.0353			16	20	
Antimony, total	< 0.00020	0.00020 mg/L		< 0.00020				20	
Arsenic, total	0.00106	0.00050 mg/L		0.00101				20	

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B3H1251, Continued									
Duplicate (B3H1251-DUP1), Continued		Source: 23H1038-01		Prepared: 2023-08-12, Analyzed: 2023-08-12					
Barium, total	0.0724	0.0050 mg/L		0.0730			< 1	20	
Beryllium, total	< 0.00010	0.00010 mg/L		< 0.00010				20	
Bismuth, total	< 0.00010	0.00010 mg/L		< 0.00010				20	
Boron, total	0.121	0.0500 mg/L		0.124				20	
Cadmium, total	0.000035	0.000010 mg/L		0.000031				20	
Calcium, total	248	0.20 mg/L		245			1	20	
Chromium, total	< 0.00050	0.00050 mg/L		< 0.00050				20	
Cobalt, total	0.00139	0.00010 mg/L		0.00136			3	20	
Copper, total	0.00282	0.00040 mg/L		0.00265			6	20	
Iron, total	0.070	0.010 mg/L		0.059			18	20	
Lead, total	< 0.00020	0.00020 mg/L		< 0.00020				20	
Lithium, total	0.193	0.00010 mg/L		0.199			3	20	
Magnesium, total	88.9	0.010 mg/L		87.9			1	20	
Manganese, total	0.427	0.00020 mg/L		0.425			< 1	20	
Molybdenum, total	0.00161	0.00010 mg/L		0.00154			5	20	
Nickel, total	0.00649	0.00040 mg/L		0.00632			3	20	
Phosphorus, total	< 0.050	0.050 mg/L		< 0.050				20	
Potassium, total	5.45	0.10 mg/L		5.42			< 1	20	
Selenium, total	0.00080	0.00050 mg/L		0.00078				20	
Silicon, total	11.0	1.0 mg/L		10.9			1	20	
Silver, total	< 0.000050	0.000050 mg/L		< 0.000050				20	
Sodium, total	120	0.10 mg/L		118			2	20	
Strontium, total	1.40	0.0010 mg/L		1.42			1	20	
Sulfur, total	172	3.0 mg/L		168			2	20	
Tellurium, total	< 0.00050	0.00050 mg/L		< 0.00050				20	
Thallium, total	0.000045	0.000020 mg/L		0.000041				20	
Thorium, total	< 0.00010	0.00010 mg/L		< 0.00010				20	
Tin, total	0.00091	0.00020 mg/L		0.00091				20	
Titanium, total	< 0.0050	0.0050 mg/L		< 0.0050				20	
Tungsten, total	< 0.0010	0.0010 mg/L		< 0.0010				20	
Uranium, total	0.0478	0.000020 mg/L		0.0473			< 1	20	
Vanadium, total	< 0.0050	0.0050 mg/L		< 0.0050				20	
Zinc, total	0.0457	0.0040 mg/L		0.0445			3	20	
Zirconium, total	0.00075	0.00010 mg/L		0.00074			1	20	

Matrix Spike (B3H1251-MS1)		Source: 23H1038-02		Prepared: 2023-08-12, Analyzed: 2023-08-12					
Aluminum, total	4.53	0.0050 mg/L	4.00	0.0768	111	70-130			
Antimony, total	0.0456	0.00020 mg/L	0.0400	< 0.00020	114	70-130			
Arsenic, total	0.541	0.00050 mg/L	0.400	0.0908	112	70-130			
Barium, total	1.68	0.0050 mg/L	0.0400	1.65	74	70-130			
Beryllium, total	0.0435	0.00010 mg/L	0.0400	< 0.00010	109	70-130			
Bismuth, total	0.0402	0.00010 mg/L	0.0400	< 0.00010	101	70-130			
Boron, total	0.509	0.0500 mg/L	0.400	0.0835	106	70-130			
Cadmium, total	0.0433	0.000010 mg/L	0.0400	< 0.000010	108	70-130			
Calcium, total	250	0.20 mg/L	4.00	252	NR	70-130			MS2
Chromium, total	0.0451	0.00050 mg/L	0.0400	0.00069	111	70-130			
Cobalt, total	0.0498	0.00010 mg/L	0.0400	0.00728	106	70-130			
Copper, total	0.0414	0.00040 mg/L	0.0400	0.00047	102	70-130			
Iron, total	69.8	0.010 mg/L	4.00	68.5	31	70-130			MS2
Lead, total	0.0419	0.00020 mg/L	0.0400	< 0.00020	105	70-130			
Lithium, total	0.102	0.00010 mg/L	0.0400	0.0658	90	70-130			
Magnesium, total	101	0.010 mg/L	4.00	98.1	61	70-130			MS2
Manganese, total	0.798	0.00020 mg/L	0.0400	0.778	50	70-130			MS2
Molybdenum, total	0.0476	0.00010 mg/L	0.0400	0.00174	115	70-130			
Nickel, total	0.0492	0.00040 mg/L	0.0400	0.00835	102	70-130			
Phosphorus, total	5.95	0.050 mg/L	4.00	1.30	116	70-130			



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT ParklandGEO Ltd.
ED2818

WORK ORDER REPORTED 23H1038
2023-08-16 10:24

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B3H1251, Continued									
Matrix Spike (B3H1251-MS1), Continued		Source: 23H1038-02		Prepared: 2023-08-12, Analyzed: 2023-08-12					
Potassium, total	25.4	0.10 mg/L	4.00	21.5	96	70-130			
Selenium, total	0.459	0.00050 mg/L	0.400	< 0.00050	115	70-130			
Silicon, total	22.0	1.0 mg/L	4.00	18.5	87	70-130			
Silver, total	0.0317	0.000050 mg/L	0.0400	< 0.000050	79	70-130			
Sodium, total	215	0.10 mg/L	4.00	219	NR	70-130			MS2
Strontium, total	1.68	0.0010 mg/L	0.0400	1.71	NR	70-130			MS2
Sulfur, total	50.3	3.0 mg/L	40.0	3.4	117	70-130			
Tellurium, total	0.0439	0.00050 mg/L	0.0400	< 0.00050	110	70-130			
Thallium, total	0.0416	0.000020 mg/L	0.0400	< 0.000020	104	70-130			
Thorium, total	0.0441	0.00010 mg/L	0.0400	< 0.00010	110	70-130			
Tin, total	0.0465	0.00020 mg/L	0.0400	0.00053	115	70-130			
Titanium, total	0.0481	0.0050 mg/L	0.0400	< 0.0050	114	70-130			
Tungsten, total	0.0441	0.0010 mg/L	0.0400	< 0.0010	110	70-130			
Uranium, total	0.0446	0.000020 mg/L	0.0400	0.000165	111	70-130			
Vanadium, total	0.0475	0.0050 mg/L	0.0400	< 0.0050	114	70-130			
Zinc, total	0.419	0.0040 mg/L	0.400	0.0133	101	70-130			
Zirconium, total	0.0506	0.00010 mg/L	0.0400	0.00282	120	70-130			

QC Qualifiers:

BLK Analyte concentration in the Method Blank is above the Reporting Limit (RL).
 MS2 The native sample concentration is greater than the spike concentration hence the matrix spike limits do not apply.



CARO.ca 1-888-311-8846

#110-4011 Viking Way, Richmond, BC V6V 2K9
#102-3677 Highway 97N, Kelowna, BC V1X 5C3
17225 109 Avenue NW, Edmonton, AB T5S 1H7
#108-4475 Waybunne Dr, Burnaby, BC V5G 4X4

CHAIN OF CUSTODY RECORD COC# 12503

CARO AB COC, Rev 2020-0

REPORT TO:

COMPANY: ParklandGeo

ADDRESS: 189 Pembina Road
Sherwood Park

CONTACT: Chase Campbell

TEL/FAX: 780 717 5372

DELIVERY METHOD: EMAIL MAIL OTHER*

DATA FORMAT: EXCEL WATERTRAX ESdat

EQUIS AEP EMS OTHER*

EMAIL 1: Jillian.cayce@parklandgeo.com

EMAIL 2: chase.campbell@parklandgeo.com

EMAIL 3: PO #:

INVOICE TO:

COMPANY:

ADDRESS:

CONTACT:

TEL/FAX:

DELIVERY METHOD: EMAIL MAIL OTHER*

DATA FORMAT: EXCEL WATERTRAX ESdat

EQUIS AEP EMS OTHER*

EMAIL 1:

EMAIL 2:

EMAIL 3:

SAMPLED BY: JC

CLIENT SAMPLE ID:

BH 23-01

BH 23-02

BH 23-03

BH 23-04

MATRIX:	CONTAINER QTY	DATE	TIME	CHLORINATED	FILTERED	PRESERVED	COMMENTS:
DRINKING WATER							
OTHER WATER							
SOIL							
OTHER							

ANALYSES REQUESTED:	RESULTS	STATUS
SOIL PHC F1-F4	BTEX <input type="checkbox"/>	
WATER PHC F1-F2	BTEX <input type="checkbox"/>	
VOC <input type="checkbox"/> THM <input type="checkbox"/> PAH <input type="checkbox"/> HAA <input type="checkbox"/>		
DISSOLVED METALS	Hg <input type="checkbox"/> Cr6 <input type="checkbox"/>	
TOTAL METALS	Hg <input type="checkbox"/> Cr6 <input type="checkbox"/>	
SOIL METALS	Sat P B <input type="checkbox"/> Cr6 <input type="checkbox"/> Hg <input type="checkbox"/>	
SOIL SALINITY	BASIC <input type="checkbox"/> DETAILED <input type="checkbox"/>	
CLASS 2 LANDFILL		
ROUTINE WATER	Fe+Mn <input type="checkbox"/>	
COD <input checked="" type="checkbox"/> BOD <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/>		
TSS <input type="checkbox"/> TDS <input type="checkbox"/> VSS <input type="checkbox"/>		
AMMONIA	TKN <input checked="" type="checkbox"/> TP <input type="checkbox"/>	
TO&G <input type="checkbox"/> PHENOLICS <input type="checkbox"/>		
TCOL <input type="checkbox"/> E. Coli <input type="checkbox"/> FCOL <input type="checkbox"/> HPC <input type="checkbox"/>		
TOXICITY TROUT	DAPHNIA <input type="checkbox"/>	
PSA HYDROMETER	75 um SIEVE <input type="checkbox"/>	
Ammonia-Nitrogen		

RELINQUISHED BY: _____ DATE: 08/08

RECEIVED BY: W1 CR DATE: 08/08

TIME: 9:00

TURNAROUND TIME REQUESTED: Routine (5-7 Days) Rush: 1 Day* 2 Day* 3 Day* Other*

*Contact Lab To Confirm. Surcharge May Apply

REGULATORY APPLICATION: Canadian Drinking Water Quality AB TT SOIL/GW: NA AG RES/PL CL IL AB SWQG: FWAL IW LW

CCME: _____ Other: _____

PROJECT NUMBER / INFO: _____

ANALYSES REQUESTED:

- A: Biohazard
- B: Cyanide
- C: PCBs
- D: Asbestos
- E: Heavy Metals
- F: Flammable
- G: Strong Odour
- H: High Contamination
- I: Other (please specify*)

SHIPPING INSTRUCTIONS:

Return Cooler(s)

SAMPLE RETENTION:

30 Days (default)

60 Days 90 Days

Other (surcharges will apply):

OTHER INSTRUCTIONS:

If you would like to talk to a real live Scientist about your project requirements, please check here:

SHIPPING INSTRUCTIONS:	SAMPLE RETENTION:	OTHER INSTRUCTIONS:	SAMPLE RECEIPT CONDITION:
Return Cooler(s) <input type="checkbox"/>	30 Days (default) <input type="checkbox"/>	COB COB COB COB COB	COOLER 1 (°C): 15.1 ICE: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
	60 Days <input type="checkbox"/> 90 Days <input type="checkbox"/>	ED2818	COOLER 2 (°C): ICE: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
	Other (surcharges will apply):		COOLER 3 (°C): ICE: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
			CUSTODY SEALS INTACT: NA <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>

LIMITATIONS



REPORT LIMITATIONS AND USAGE

The use of this attached report is subject to the following general terms and conditions.

1. **STANDARD OF CARE** - In the performance of professional services, ParklandGEO used the degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession practicing in the same or similar localities. No other warranty expressed or implied is made in any manner.
2. **INTERPRETATION OF THE REPORT** - The CLIENT recognizes that subsurface conditions will vary from those encountered at the location where borings, surveys, or explorations are made and that the data, interpretations and recommendation of ParklandGEO are based solely on the information available to him. Classification and identification of soils, rocks, geological units, contaminated materials and contaminant quantities will be based on commonly accepted practices in geotechnical or environmental consulting practice in this area. ParklandGEO will not be responsible for the interpretation by others of the information developed.
3. **SITE INFORMATION** - The CLIENT has agreed to provide all information with respect to the past, present and proposed conditions and use of the Site, whether specifically requested or not. The CLIENT acknowledged that in order for ParklandGEO to properly advise and assist the CLIENT, ParklandGEO has relied on full disclosure by the CLIENT of all matters pertinent to the Site investigation.
4. **COMPLETE REPORT** - The Report is of a summary nature and is not intended to stand alone without reference to the instructions given to ParklandGEO by the CLIENT, communications between ParklandGEO and the CLIENT, and to any other reports, writings or documents prepared by ParklandGEO for the CLIENT relative to the specific Site, all of which constitute the Report. The word "Report" shall refer to any and all of the documents referred to herein. In order to properly understand the suggestions, recommendations and opinions expressed by ParklandGEO, reference must be made to the whole of the Report. ParklandGEO cannot be responsible for use of any part or portions of the report without reference to the whole report. The CLIENT has agreed that "This report has been prepared for the exclusive use of the named CLIENT. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. ParklandGEO accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report."

The CLIENT has agreed that in the event that any such report is released to a third party, the above disclaimer shall not be obliterated or altered in any manner. The CLIENT further agrees that all such reports shall be used solely for the purposes of the CLIENT and shall not be released or used by others without the prior written permission of ParklandGEO.

5. **LIMITATIONS ON SCOPE OF INVESTIGATION AND WARRANTY DISCLAIMER**
There is no warranty, expressed or implied, by ParklandGEO that:
 - a) the investigation uncovered all potential geo-hazards, contaminants or environmental liabilities on the Site; or
 - b) the Site is entirely free of all geo-hazards or contaminants as a result of any investigation or cleanup work undertaken on the Site, since it is not possible, even with exhaustive sampling, testing and analysis, to document all potential geo-hazards or contaminants on the Site.

The CLIENT acknowledged that:

- a) the investigation findings are based solely on the information generated as a result of the specific scope of the investigation authorized by the CLIENT;
 - b) unless specifically stated in the agreed Scope of Work, the investigation will not, nor is it intended to assess or detect potential contaminants or environmental liabilities on the Site;
 - c) any assessment regarding geological conditions on the Site is based on the interpretation of conditions determined at specific sampling locations and depths and that conditions may vary between sampling locations, hence there can be no assurance that undetected geological conditions, including soils or groundwater are not located on the Site;
 - d) any assessment is also dependent on and limited by the accuracy of the analytical data generated by the sample analyses;
 - e) any assessment is also limited by the scientific possibility of determining the presence of unsuitable geological conditions for which scientific analyses have been conducted; and
 - f) the laboratory testing program and analytical parameters selected are limited to those outlined in the CLIENT's authorized scope of investigation; and
 - g) there are risks associated with the discovery of hazardous materials in and upon the lands and premises which may inadvertently discovered as part of the investigation. The CLIENT acknowledges that it may have a responsibility in law to inform the owner of any affected property of the existence or suspected existence of hazardous materials and in some cases the discovery of hazardous conditions and materials will require that certain regulatory bodies be informed. The CLIENT further acknowledges that any such discovery may result in the fair market value of the lands and premises and of any other lands and premises adjacent thereto to be adversely affected in a material respect.
6. **COST ESTIMATES** - Estimates of remediation or construction costs can only be based on the specific information generated and the technical limitations of the investigation authorized by the CLIENT. Accordingly, estimated costs for construction or remediation are based on the known site conditions, which can vary as new information is discovered during construction. As some construction activities are an iterative exercise, ParklandGEO shall therefore not be liable for the accuracy of any estimates of remediation or construction costs provided.
 7. **LIMITATION OF LIABILITY** - The CLIENT has agreed that to the fullest extent permitted by the law ParklandGEO's total liability to CLIENT for any and all injuries, claims, losses, expenses or damages whatsoever arising out of or in anyway relating to the Project is contractually limited, as outlined in ParklandGEO's standard Consulting Services Agreement. Further, the CLIENT has agreed that to the fullest extent permitted by law ParklandGEO is not liable to the CLIENT for any special, indirect or consequential damages whatsoever, regardless of cause.
 8. **INDEMNIFICATION** - To the fullest extent permitted by law, the CLIENT has agreed to defend, indemnify and hold ParklandGEO, its directors, officers, employees, agents and subcontractors, harmless from and against any and all claims, defence costs, including legal fees on a full indemnity basis, damages, and other liabilities arising out of or in any way related to ParklandGEO's work, reports or recommendations.



TO: COUNCIL

RE: BYLAW 5-2023 LOAN BYLAW - THE BARRHEAD EXHIBITION ASSOCIATION AND AGRICULTURAL SOCIETY

ISSUE:

Council may consider 2nd and 3rd reading to Bylaw 5-2023 – Loan Bylaw – The Barrhead Exhibition Association and Agricultural Society (“Ag Society”) following the Public Hearing that was held on October 3, 2023.

BACKGROUND:

- A municipality may only lend money to a non-profit organization if the money loaned is to be used for a purpose that will benefit the municipality (*MGA s.264(2)*).
- A municipality may only lend money if the loan is authorized by bylaw (*MGA s.265(1)*).
- September 5, 2023 – Council gave 1st reading to Bylaw 5-2023 (attached) to create the opportunity for discussion and consideration of the request from the Ag Society.
- September 11 & 19, 2023 – Public Hearing advertised in newspaper.
- October 3, 2023, at 1pm – Public Hearing held and Council moved to postpone consideration of 2nd & 3rd reading of the Loan Bylaw 5-2023 to the next regular meeting of Council being October 17, 2023.

ANALYSIS:

- Items in Bylaw 5-2023 that Council could consider amending:
 - **Loan value** – 1st reading has an amount up to \$875,000.
 - Council could amend the loan value to any amount it chooses.
 - **Term** – 1st reading has a term of 20 years.
 - Council could amend term to 3, 5, 10, 15, 20, 25, or 30 years.
 - If term is updated, interest rate is recommended to be updated to corresponding rate based on the term.
 - Consideration of ability to repay in timeframe selected must also be considered.
 - **Interest rate** – 1st reading has an interest rate of 5.13%, which is based on June 15, 2023, borrowing rate from Loans to Local Authorities.
 - Council could amend the interest rate to reflect the rate at September 15 which is 5.38% (20 year).
 - **Source of funds** – 1st reading has identified the source of funds to be the Community Organizational Reserve with repayments (including principle and interest) returned to this same reserve.
 - Council could consider returning the principle to the Reserve and the interest to general revenue as an example.

STRATEGIC ALIGNMENT:

Supporting the Ag Society's request to borrow funds for the purchase of land to support future expansion aligns with the County's 2022 – 2026 Strategic Plan as follows:

PILLAR 3 Rural Lifestyle

Outcome *3 County maintains its rural character and is recognized as a desirable location to invest, work, live and play.*

Goal 3.2 County promotes & celebrates success/achievements.

Strategy 3.2.1 Create and maintain partnerships that focus on the promotion of tourism.

PILLAR 1 Economic Growth & Diversity

Outcome *1 County increases its tax base.*

Goal 1.3 County supports innovation in agriculture.

Strategy 1.3.2 Identify opportunities to promote agricultural research and extension.

PILLAR 4 Governance & Leadership

Outcome *4 Council is transparent & accountable.*

Goal 4.3 County demonstrates leadership.

Strategy 4.3.2 Create opportunities for engagement and advocacy with provincial and federal governments, associations, and agencies.

ADMINISTRATION RECOMMENDS THAT:

Council consider 2nd & 3rd readings of Bylaw 5-2023 a Loan Bylaw – The Barrhead Exhibition Association and Agricultural Society for a debenture up to a maximum of \$875,000 for the purpose of purchasing 6 parcels of land for a term of up to 20 years with an interest rate of 5.13% per year.



COUNTY OF BARRHEAD NO. 11

PROVINCE OF ALBERTA

BYLAW NO. 5-2023

Loan Bylaw – The Barrhead Exhibition Association and Agricultural Society

Page 1 of 1

A BYLAW OF THE COUNTY OF BARRHEAD NO. 11, in the Province of Alberta, for the purpose of providing a loan to The Barrhead Exhibition Association and Agricultural Society to purchase land:

WHEREAS, Section 264 of the *Municipal Government Act* allows a Municipality to lend money to a non-profit organization if the Council considers the money loaned will be used for a purpose that will benefit the municipality, and

WHEREAS, The Barrhead Exhibition Association and Agricultural Society is a not-for-profit organization incorporated under the laws of the Province of Alberta, and

WHEREAS, the Council of the County of Barrhead No. 11 has agreed to provide a loan to The Barrhead Exhibition Association and Agricultural Society in an amount not to exceed \$875,000 for a term of repayment not to exceed twenty (20) years, and

WHEREAS, the County of Barrhead’s debt limit defined by *Alberta Regulation 255/00* was \$18,473,757 at the end of the 2022 fiscal year with an obligation of \$4,021,764, and \$14,451,993 available.

NOW THEREFORE, the Council of the County of Barrhead No. 11, duly assembled, and under the authority of the *Municipal Government Act*, as amended, hereby enacts the following:

1. County of Barrhead No. 11 will provide The Barrhead Exhibition Association and Agricultural Society with a loan of up to a maximum of \$875,000 as authorized by this bylaw for the purpose of purchasing 6 parcels of land: Plan 7521766 Block K, Plan 0823411 Block 17 Lot 1, Block 19 Lot 11, Block 20 Lot 1, Block 20 Lot 2, and Block 18 Lot 17.
2. The loan shall bear an interest rate of 5.13% per annum and is based on interest rates offered by Loans to Local Authorities.
3. The loan shall be repaid over a period of time not exceeding twenty (20) years, in annual installments. The first payment shall be made one (1) year from the disbursal of funds from the County of Barrhead to The Barrhead Exhibition Association and Agricultural Society.
4. County of Barrhead No. 11 shall not impose any penalty whatsoever on The Barrhead Exhibition Association and Agricultural Society in the event that the loan is repaid to the municipality in less than the twenty (20) year period specified herein.
5. Funding to provide the loan shall come from the Community Organizational Reserve Fund with repayments received by the County returned to this reserve.
6. County Administration is authorized to enter into a loan agreement with The Barrhead Exhibition Association and Agricultural Society on the terms set out in this bylaw and in a form satisfactory to the County of Barrhead.
7. Invalidity of any section, clause, sentence, or provision of this bylaw shall not affect the validity of any other part of this bylaw, which can be given effect with such invalid part or parts.
8. This Bylaw shall come into full force and upon third and final reading thereof.

FIRST READING GIVEN THE 5th DAY OF SEPTEMBER, 2023.

SECOND READING GIVEN THE _____ DAY OF _____, 2023

THIRD READING GIVEN THE _____ DAY OF _____, 2023

Reeve

Seal

County Manager



2023 COUNCIL RESOLUTION TRACKING LIST

(Items beyond the normal course of business)

Resol. #	Resolution Topic	Responsible	Comments	Status
2023-317	Accepted the 2024 Budget Public Engagement – Final “What We Heard” Report for information and inclusion in further budget deliberations.	CS/CAO	Posted on County website; shared with Council during budget priorities workshop	Complete Oct 12/23
2023-316	Approved the tax-exempt status for the tax years 2024, 2025, and 2026 for Roll #120405007, 120406006, and 120407005	CS/CAO	Status updated	Complete Oct 3/23
2023-315	Authorized signing compensation agreements for 2023 Road Reconstruction Project #23-740 – West of 23-61-3-W5.	CAO/EA	Agreements signed	Complete Oct 3/23
2023-312,313	Set Ag Lease rate of \$104.00/acre in NE 27-59-3-W5 for 3 year term and removed clause regarding arbitration for fair market value	CAO/EA	Agreement sent to tenants for signature	Underway
2023-309	Approved the application from Barrhead Community Pumpkin Walk for a donation of \$1,500 to assist with Community Pumpkin Walk	CAO/EA	Approval letter mailed.	Complete Oct 6/23
2023-299	Approved revised BRFs Policies	CAO/EA		Underway
2023-298	Supports in principle, submission of a 2023/24 ACP grant application by the Town on behalf of BRWC for up to \$200,000 for a Regional Raw Water Supply Assessment Study project	CAO	Town CAO/Interim BRWC Manager was notified of Council's decision to support grant application	Complete Sept 19/23
2023-297	Execute the CRTC-approved Next Generation 911 Local Government Service Agreement as provided by Telus Communications Inc.	CAO	Service Agreement returned to Telus	Underway
2023-296	Negotiate Use Agreement with NSC to construct a ball diamond near Neerlandia Lagoon and bring back to Council for final consideration.	CAO/DEV	Draft agreement being prepared to support discussions	Underway
2023-295	Proclaimed October 2023 as Cybersecurity Awareness Month	CAO/COMM	Posted in County office; activities ongoing for month of October	Complete Oct 3/23
2023-288	Authorized signing agreements for project 640 road reconstruction	CAO/EA	Agreements signed	Complete Sept 5/23

2023-283,284,321	Gave 1st reading to Bylaw 5-2023 Loan Bylaw – Ag Society and set public hearing date of Oct 3/23 at 1:00 pm	CAO/CS	Bring to Oct 17 for consideration of 2nd/3rd; PH closed; Ag Society notified; public hearing has been advertised.	Underway
2023-282	Include activities in the AM Roadmap in the 2024-2027 DRAFT budget and plans.	CS/CAO		Underway
2023-281	Endorsed the Asset Management Strategy, Roadmap and AM Team Terms of Reference.	CAO/CS	Documents finalized.	Complete Sept 6/23
2023-280	Approved Asset Management Policy	CAO/EA	Policy finalized	Complete Sept 6/23
2023-279	Amended Public Participation Policy	CAO/EA	Policy finalized	Complete Sept 6/23
2023-278	Adopted Bylaw 4-2023 - Repeal Recreation Bylaws	CAO/EA	Bylaws status updated	Complete Sept 8/23
2023-269	Submit Application for Authorization to Employ Peace Officers to AB Justice & Solicitor General	CAO	Application submitted; Waiting for signed MOU from RCMP	Complete Sept 8/23
2023-268	Sign a 3-year CPO Program MOU with the RCMP	CAO	Received fully executed MOU; Agreement sent to RCMP for signature	Complete Sept 6/23
2023-265	Approved 2024 Budget Schedule	FIN/CAO	Approved process is being implemented.	Complete Aug 15/23
2023-264	Approved Property Tax Penalty Exempt List for 363 tax rolls as identified.	FIN/CAO	Adjustment entries complete	Complete Aug 15/23
2023-263	Cancel property taxes in amount of \$14,579.96, owed by GOA	FIN/CAO	Adjustment entries complete	Complete Aug 15/23
2023-262	Rescind outdated recreation policies	CAO/EA	Policies rescinded	Complete Aug 18/23
2023-261	Approved changes to AD-002 Community Grants Policy	CAO/EA	Policy updated	Complete Aug 18/23
2023-257	Approve CPO policies (PS-007, 008, 011, 012, 013)	CAO/EA	Awaiting Authorized Employer Status	Underway
2023-256	Initiate road closure process to close an undeveloped road allowance related to sand and gravel extraction activities.	CAO/DEV	Operator has been notified of the process ahead; waiting for confirmation of interest	Underway
2023-254	Continue on current path as outlined in County Strategic Plan & Economic Development Plan; PLUS conduct research on other models in Alberta to explore options to promote Regional Tourism.	CAO/DEV		Underway
2023-241	Awarded the construction contract for BF 78033 to Terrapro Inc. for \$266,842	PW/CAO	Contract Finalized; Contract is with PW	Complete Aug 15/23

2023-238	Contact "Alberta Carbon Grid" to present at a future Council meeting.	CAO/EA		Not Started
2023-236,294	Approved community grant of \$2,500 to Barrhead Ag Society for Blue Heron Fair	CAO/EA	Approval Letter sent to recipient	Complete Jul 19/23
2023-228	Cancelled the appointment of Bert Dening as a Fire Guardian for the County of Barrhead.	CAO/EA	Letter sent to Fire Guardian	Complete Jul 10/23
2023-223	Denied the request to cancel or reduce fire services invoice #IVC00003177.	CAO/EA	Letter send to landowner	Complete Jul 7/23
2023-221	Community Hall Strategy approved with changes	CAO/COMM	Document updated and posted to website and sent to stakeholders	Complete Jul 6/23
2023-219,220	Office Christmas Closures for 2023 & 2024	FIN/CAO	Staff notified, included in newsletter	Complete Aug 15/23
2023-218,243	Denied as project already completed; Clarify information on MTM Agricultural Society application for grant of \$2,500 under Community Grants Policy; bring back to Council.	CAO/EA	Applicant informed of decision; Bring back to Council in CAO Report at Jul 18/23 mtg; Request for info sent to MTM	Complete Jul 20/23
2023-210	Authorized to negotiate and refine the scope of the project with Next Architecture Inc., up to a maximum of \$146,570 + GST.	CAO	Discussed w NEXT to confirm capacity	Underway
2023-209	Award the tender to conduct a Feasibility Study for repurposing the ADLC to Next Architecture Inc. for \$106,960 + GST.	CAO	Agreement fully executed; Agreement being drafted, awaiting Towns endorsement	Complete Jul 10/23
2023-208	Administration to send a letter of intent to Maykut Farms expressing the County's desire to enter into a lease agreement in 2026 for a portion of the gravel pit located in NE 3-63-4-W5.	PW/CAO	Gravel pit owner was notified verbally of County's intent; letter to follow	Underway
2023-205	Award Contract for gravel crush at Vega Pit to Surmont Sand & Gravel Ltd. up to a max of 200,000 tonnes; report to Council any volumes > 200,000 tonnes for consideration of further increasing the volumes to be crushed	PW/CAO	Contract finalized; Contract sent to Surmont for signature June 29	Complete Jul 6/23
2023-204	Tender Unit #220, a 2018 John Deere 772GP motor grader with snow wing, before arrival of new replacement motor grader.	PW	Awaiting arrival date of new grader	Underway

2023-203	Purchase 2024 Caterpillar 150 AWD motor grader from Finning Canada for the price of \$577,250 and agree to the future guaranteed buy-back of \$231,000, and that the purchase be incorporated into the 2024 Capital Budget.	PW/FIN	Letter sent to Finning June 29 confirming purchase	Underway
2023-201	Research (AEP) what is needed to use County land next to Neerlandia Lagoon as potential site for community baseball diamond; report back to Council.	CAO/DEV	To Council Sept 19/23; Research complete, Community group updated on process; Tentatively scheduled for Sep 5 Council mtg; Contact for AEP identified; legislation reviewed	Complete Sept 19/23
2023-200	Proclaimed July 16-22, 2023 as National Drowning Prevention Week in the County of Barrhead.	EA/COMM	Posting in County office and on website	Complete Jun 26/23
2023-193	Approve CPO policies (PS-001, 002, 003, 004, 005, 006, 009, 010)	CAO/EA	Awaiting Authorized Employer Status	Underway
2023-190	Provide a letter of support to Camp Nakamun for their CFEP grant application.	CAO/EA	Included in June 20 agenda package	Complete Jun 13/23
2023-189	Approve purchase of 2023 Chevrolet Tahoe SSV to Wolfe Chevrolet Edmonton at a purchase price of \$66,874.25 plus GST.	CAO	Letter sent to vendor June 8	Complete Jun 8/23
2023-187-188	Award 2023 Road Reconditioning Program to B & B Wilson Oilfield Service Ltd.; increase scope of work to \$195,000 by adding 1.5 miles.	FIN/CAO	Contract Signed; Discussion with B&B Wilson re increase scope	Complete Jun 21/23
2023-184	Public Auction be held Wed, Dec 6, 2023 at 2:00 p.m. in Council Chambers; CAO to act as auctioneer.	CAO	Tax clerk will follow up with advertising and process as per MGA	Underway
2023-173	Directed CAO to work with RCMP to finalize Traffic Safety Plan & submit to Alberta Justice & Solicitor General with application for Authorized Employer under Peace Officer Program.	CAO	Plan finalized & signed; Traffic Safety Plan sent to RCMP for feedback/approval	Complete Jun 12/23
2023-172	Authorized signing agreements of road reconstruction project 742	CAO/EA	Contracts signed	Complete May 17/23
2023-171	Escalate project 26-740 from 10-year capital plan to 2023 capital budget as project 23-742 at \$182,657	CAO/PW/ FIN	Reflected in May report (June 20, 2023 Council - tabled to July 4, 2023)	Complete Jul 4/23

2023-170	Cancel project 23-741 and remove from 2023 Capital budget at \$272,686	CAO/PW/ FIN	Reflected in May report (June 20, 2023 Council - tabled to July 4, 2023)	Complete Jul 4/23
2023-169	Authorized signing agreements of road reconstruction project 640	CAO/EA	Contracts signed	Complete May 17/23
2023-168	Award 2023 pavement repair contract to Central City Paving to max of \$180,000	PW	Contract signed; Contractor notified	Complete June 7/23
2023-167	Award 2023 grass cutting contract at MacGill estates to Virginia MacGillivray	CAO/PW	Contract Finalized; Contract sent to contractor for signature May 17	Complete June 6/23
2023-164	Appointed Chelsea Jaeger as Weed Inspector & Pest Inspector	CAO/AG	Inspector identification issued	Complete June 8/23
2023-163	Authorized signing agreement with Ducks Unlimited Canada	CAO/AG	Received signed agreement; Agreement sent to Ducks Unlimited May 17	Complete Jul 10/23
2023-162	Approved community grant of \$1,000 to Barrhead Indigenous Day committee	CAO/EA	Approval letter and payment sent.	Complete May 19/23
2023-161	Proclaimed May 29 – June 2, 2023, as Alberta Rural Health Week.	COMM/EA	Posted in County office & on website	Complete May 19/23
2023-160	Declared June 5-11, 2023 as Seniors' Week	COMM/EA	Posted in County office & on website	Complete May 19/23
2023-155	Withdraw membership with GROWTH support ongoing participation of Councillor Preugschas on WILD Alberta Committee.	CAO	Letter sent to current GROWTH members, copied to CAOs of member municipalities.	Complete May 10/23
2023-151	Sign the ASB 2022-2024 Grant Amendment	CAO/AG	Finalized agreement received; Agreement signed, sent to GOA	Complete Aug 14/23
2023-150	Sign agreements for Acquisition of Land for ROW for 2023 Bridge Replacement Project BF 78033, to purchase 0.37 acre each from 2 landowners	CAO/EA	Agreements signed	Complete May 3/23
2023-143	Adopted 2023 Property Tax Bylaw 3-2023	FIN/COMM	Posted to website	Complete May 10/23
2023-138-139	Approved 3-Year Financial Plan & 10-Year Capital Plan	FIN/CAO	Posted to website May 10, 2023	Complete May 10/23
2023-137	Revised 2023 Capital Budget from \$14,775,734 to \$14,761,841	FIN/CAO	Posted Operating Budget, Capital Budget, Budget Presentation and Budget Overview to website May 10, 2023	Complete May 10/23
2023-136	Adopt 2023 Operating Budget as presented with operating expenditures & revenue of \$19,128,153	FIN/CAO		Complete May 10/23

2023-128	Approved supporting Reeve Drozd's application to the RMA Committee on Quasi-Judicial Agencies and to receive per diem's if appointed.	CAO	Reeve has submitted application (Reeve was selected by RMA)	Complete Apr 18/23
2023-126	Dispersed Unit 312 & Unit 313 to Michener Allen Auctioneering Ltd. for \$750,000 with any monies over \$820,000 received at the auction to be split 90/10 in favour of the County	PW/FIN	Units have been picked up, payment of \$750,000 received. Sale occurred May 5-6, 2023; Received additional cheque for \$36,000	Complete May 19/23
2023-125	Declared May 8-14, 2023 as National Nursing Week in the County of Barrhead.	COMM/EA	Posted in County office & on website	Complete Apr 24/23
2023-124	Denied application from Barrhead Golf & Recreation Area Society for a donation of \$2,500 under Community Grants Policy for painting of lines in the parking lot was not eligible	CAO/EA	Applicant notified of decision	Complete Apr 20/23
2023-123	Approved application from Barrhead Street Festival committee for \$2,500 under Community Grants Policy to assist with Barrhead Street Festival event.	CAO/EA	Approval letter and payment sent.	Complete Apr 20/23
2023-122	Approved encroachment agreement with Stanley & Faye Schultz for site within road allowance west of and adjacent to Plan 4589NY Lot 1	CAO/EA	Agreement finalized.	Complete Apr 19/23
2023-117	CAO to sign Conditional Grant (\$146,570) under Intermunicipal Collaboration Component of 2022-23 ACP Program in support of Feasibility Study to repurpose ADLC as a joint civic center	CAO	Fully executed May 15, 2023; Agreement signed & sent Apr 14/23, awaiting return; Waiting for agreement	Complete May 15/23
2023-116	CAO to sign Alberta Crime Prevention Grant Agreement (Minister of Public Safety & Emergency Services) to receive \$26,685 to continue with the BARCC workplan.	CAO	Finalized agreement received; Agreement signed & sent Apr 5/23, awaiting return	Complete Apr 6/23
2023-113	Approved Compassionate Gift Policy AD-004 as amended	CAO/EA	Amended, included for information in Apr 18/23 agenda pkg	Complete Apr 14/23
2023-112	Denied the request to cancel or reduce Fire Invoice IVC00002618.	CAO/EA	Letter sent	Complete Apr 20/23

2023-106-108	Approved 2022 audited Financial Statements, and FIR, and to publish to website	CAO/FIN	Published to website	Complete Apr 5/23
2023-103	Authorize Reeve Drozd to sign the Acknowledgement of Consultation for the RCMP Annual Performance Plan.	CAO/EA	Reeve has signed and returned	Complete Apr 13/23
2023-099	Disperse Unit 306 D6T Dozer to Ritchie Bros Auctioneers (Canada) Ltd. for the price of \$375,000 plus GST	FIN/PW	Unit has been picked up.	Complete Apr 13/23
2023-098	Cost share (50:50) with TOB purchase of 2023 John Deere 755K Landfill Track Loader (\$608,000 plus GST) from Brandt Tractor Ltd. as per 2023 Waste Management Capital	FIN/PW	Delivered beginning of October and awaiting invoice from Town in January; Ordered	Underway
2023-097	Approve purchase of steamer pressure washer from Water Blast Manufacturing LP (\$18,245.81 plus GST), reflect changes in 2023 Capital budget.	FIN/PW	Received May 16; Ordered	Complete May 16/23
2023-096	Deny the request to upgrade a currently undeveloped road allowance to SE 26-59-6-W5 for recreational use only.	DEV/CAO	Landowner notified of decision	Complete Apr 12/23
2023-091	Request business documents from GROWTH/WILD for past 2 years; bring back a report for Council to assess County membership in GROWTH/WILD.	CAO	On May 2/23 Council agenda; Documents received March 23, 24, April 10-13/23; Request has been made to Chair, copied to other 3 members	Complete May 2/23
2023-087	Bring results of 2023 TL Lagoon groundwater monitoring back to Council for review to develop management and/or upgrade plan for the facility.	PW/CAO	To Oct 17/23 Council mtg; Tentatively scheduled for Oct 3/23; Drilling completed, sampling done Aug 8; report expected by end Sept; Planning to be on site July 26; Installation of wells being scheduled with contractor; testing required has been confirmed	Underway
2023-086	Add \$16,000 to 2023 budget for installation of 4 groundwater monitoring wells at TL Lagoon	FIN/CAO	Budget updated; final budget to be brought to Council for approval	Complete Mar 8/23
2023-085	Replace Lightning Bay's gate opener with access card; Lightning Bay residents informed that access to TL Lagoon cut off if volumes reach 5,821 m ³ in order to ensure compliance.	PW	Lightning Bay residents have been notified and switched to card access	Complete Mar 13/23

2023-084	Set max yearly incoming volume of TL Lagoon to 4,366 m ³ to all customers other than Lightning Bay	PW/CAO	Maximum is in place and will be monitored	Complete Mar 13/23
2023-081	Adopted Records Management Bylaw No. 2-2023	CAO/EA	Signed & filed	Complete Mar 15/23
2023-077	Renew 10 year lease with Misty Ridge for ski hill operations on 10 acre parcel in SW 16-62-4-W5	CAO/EA	Lease finalized	Complete Mar 15/23
2023-076	Appointed Fire Guardians for 2023-24	CAO/EA	Guardians and Fire Chief notified; New list available April 1 and to be posted to website	Complete Mar 13/23
2023-073	Approved application from Community Gardens for \$2,500 in-kind support under Community Grant policy	CAO/EA	Approval Letter sent to applicant	Complete Mar 8/23
2023-064	Approved Admin to enter into an agreement with Western Star North to purchase 3 Western Star 47X SB trucks for delivery in 2024 & 2025 as per 10-yr Capital Plan; bring back final pricing to Council for final order approval	PW/CAO	Western notified of intent to purchase	Underway
2023-061	Approved 2022 reserve transactions as presented in 2022 Reserve Report.	FIN/CAO	Reserve Report updated	Complete Feb 21/23
2023-060	Accept 2022 year-end financial reports; subject to audit adjustments & year end finalizations.	FIN/CAO	2022 Year-end closed	Complete Feb 21/23
2023-059	Approve ALUS PAC TOR as presented	AG/EA	TOR finalized	Complete Feb 28/23
2023-058	Rescind outdated policies	CAO/EA	Policies updated	Complete Mar 1/23
2023-055-57	Appointed ARB officials for CRASC	CAO/EA	ARB clerk notified of appointments	Complete Feb 22/23
2023-053,293	Approved application from Volunteer Appreciation committee for \$1,250 under Community Grants Policy	CAO/EA	Approval Letter sent to applicant.	Complete Feb 27/23
2023-039	Directed Admin to draft letter for Reeve's signature in support of Camrose Casinos' request to AGLC to relocate to Edmonton.	CAO	Attended webinar on topic; deadline to submit Mar 1/23	Complete Mar 2/23
2023-038	Provide updated letter of support to MCSnet for ISED 2021 funding allocation	CAO	Letter sent	Complete Feb 10/23
2023-037	Authorized CAO to sign temporary CPO Service Agreement with Town of Morinville.	CAO/EA	Agreement finalized.	Complete Feb 9/23

2023-036	Approved additional funding sources for 2022 capital projects (2021-140 & 2022-340)	FIN	Complete	Complete Feb 7/23
2023-033	Directed Reeve & CAO to sign Water Well Agreement with Kevin & Sherry Vangrootheest for well at Baird Lake reservoir.	PW/CAO	Agreement given to landowner for signature	Complete Feb 13/23
2023-032	Approved purchase of 1/2-ton crew cab 4x4 Truck - Stephani Motors Ltd. \$57,755 plus GST & applicable fees; reflect changes in 2023 Capital budget.	PW/FIN	Ordered	Complete Feb 10/23
2023-031	Approved purchase of tri axle equipment trailer - Hayworth Equipment Sales \$55,990 plus GST & applicable fees; reflect changes in 2023 Capital budget.	PW/FIN	Ordered	Complete Feb 10/23
2023-030	Approved purchase of post pounder - Neerlandia Co-op \$21,300 plus GST: reflect the changes in 2023 Capital budget.	PW/FIN	Ordered	Complete Feb 10/23
2023-029	WSP Engineering reduced scope for engineering services - 2023 paving project of RR 22, RR 40, & TL based on updated cost of \$260,538.	PW/CAO	Revised contract received and signed	Complete Feb 13/23
2023-023	Accepted for info Div 4 adjusted training costs for 2023 and legal fees of \$36,959.67 to be recorded to General Government (11-Council & Leg) for 2022	FIN/CAO	Costs recorded as presented.	Complete Jan 16/23
2023-018	Authorized write-off of 2 outstanding AR as uncollectable in the amount of \$2,569.15	FIN	Written off as authorized.	Complete Jan 18/23
2023-017	Adopted bylaw 1-2023 Rate & Fees	CAO/EA	Bylaw updated, posted on website, staff advised	Complete Feb 1/23
2023-013	Approved policy FN-004 Collection of Accounts Receivable	CAO/FIN	Policy in place, staff advised	Complete Jan 16/23
2023-012	Postponed review of elected officials remuneration policy to align with next staff compensation review	CAO	Updated Compensation Review file with Council's direction.	Complete Jan 16/23
2023-009	Update 2023 budget with new mileage rate \$0.68	FIN/CAO	Interim 2023 budget updated, final budget to be approved in April 2023	Complete Jan 16/23
2023-008	Approve changes to HR-001 Elected Officials remuneration policy	CAO/EA	Policy updated	Complete Jan 16/23
2023-007	Approve public engagement plan for 2nd engagement session of Community Halls Strategy	CAO/COMM	Date set for Mar 16/23 from 1-4:30 pm Glenreagh Hall; Waiting for call back from 3 halls; Halls contacted to establish date	Complete Feb 28/23

2022-552	Apply for PERC/DIRC for outstanding uncollectible education and DIP for 2022 tax year	FIN/CAO	Grant application submitted	Complete Jan 9/23
2022-549	Extend term of membership for current ALUS PAC members to December 31, 2023.	AG	PAC members notified	Complete Jan 13/23
2022-544	Waive registration fees; reserve Klondyke Ferry campground for July 10, 2023 for Voyageur Canoe Brigade; provide up to 4 porta-potties	CAO/EA/PW	Applicants notified and they will contact us closer to event for final arrangements	Complete Jan 4/23
2022-538	Submit a CCBF application for RR 22 for \$614,980	FIN/CAO	Submitted application February 9, 2023	Complete Feb 9/23
2022-537	Amend MSI application for RR 22 to increase funding by \$709,404	FIN/CAO	Submitted application February 9, 2023	Complete Feb 9/23
2022-536	Cancel Landfill Access Road Project under MSI	CAO	Submitted request February 13, 2023	Complete Feb 13/23
2022-535	Award 2023 paving contract to Central City Paving	PW	Contract fully executed; Sent to contractor for signature.	Complete Feb 1/23
2022-474,475	Lifted restrictions on C. Lane and cost of training to be paid from Div 4 2023 training budget	FIN/CAO	Cost reconciliation to Council Jan 16/23; 2023 Div 4 training budget to be set Dec 20/22 and reconciled with 2022 costs	Complete Jan 16/23
2022-448	Draft congratulatory letter for Reeve's signature to new Min of MA and provide info on County of Barrhead strategic initiatives.	CAO/EA	New minister, revising message	Underway
2022-428	Invite MP Viersen and MLA van Dijken to future Council meeting	CAO	MP Scheduled to attend July 4/23; MLA scheduled to attend April 4/23; Admin has been in contact with both offices to check availability	Complete Jul 4/23
2022-411	Tabled appointments to Regional Admin Bldg committee pending update	CAO	Discussion with Superintendent	Underway
2023-021; 2022-368	Draft resolution on cellular coverage in the County with timeline to support advocacy efforts at RMA 2023 Spring Convention	CAO	Council approved Jan 16/23, submitted to Pembina Zone, approved at Zone mtg, to be forwarded to RMA Prov Conference; Research being conducted	Complete Jan 16/23
2022-364	Admin to provide further info on Alberta Carbon Grid - Agreement with GOA	CAO	To Council Jul 18/23; Research started	Complete Jul 18/23
2022-321	Authorized signing Emerg Mgmt Mutual Aid Agreement with LSAC	CAO	Awaiting Signatures from LSAC	Underway
2022-254	Bring back recommendations for disposing of Unit #306 2018 Caterpillar D6T XL	PW/CAO	Disposal approved Apr 4/23; Put out to tender - closes Mar 31; Not suitable for Landfill, report to Council as per policy	Complete Apr 4/23

2022-235, 484	Community Hall Strategy identified in the 2022-2026 Strategic Plan be escalated to begin in 2022.	CAO/PD	"What we heard" report to Council Dec 6/22; Oct 5/22 selected; PEP to Council Sept 20/22; Stakeholder input on selecting date almost complete; Project management sheets drafted	Complete Jan 16/23
2022-166	Preliminary consolidated report on status of wastewater infrastructure	CAO/PW/DF	Consolidating all lagoon reports (T.L. received Dec/22); incorporating asset management principles and discussions with LSAC	Underway
2021-174	VSU - letter to MLA re support and current service delivery model	CAO/EA	Met with VSU representative to better understand situation/impact; Rough draft prepared	Underway
2020-165	Letter - AB Transportation re prov. Hwy concerns for consideration for GOA 2020 Capital Maintenance Projects	EA/CAO	PW discussions w AT; Hwy 33; Obtained input from Council, PW.	Underway
2019-352	Follow-up letter to Minister Municipal Affairs	EA/CAO	Notes distributed	Underway
2019-009	RMA Charitable Gaming Committee - support and inform	EA/CAO	Included in Mar 2/23 response to AGLC; Research on current status & received update from RMA; GOA postponed this initiative indefinitely, tone of letter will change; Letter drafted to MLA etc.; Shared with Town & orgs; Report posted to website, compiling email distribution list	Complete Mar 2/23
2018-029	Service Contract Review	FIN/EA/CAO	Initial list has been compiled.	Underway
2017-325	Develop a bylaw to provide necessary tools to deal with enforcement issues as an interim step	CAO/Dev	Work with LSA Bylaw enforcement to draft bylaw to use in the interim while developing a more substantive bylaw through public consultation	Underway
2017-245	Policy for Special Events	CAO/Dev	Reviewing policies from neighbouring municipalities	Underway



COUNTY OF BARRHEAD NO. 11
 CASH, INVESTMENTS, & TAXES RECEIVABLE
 September 30, 2023

	September YTD 2023	September YTD 2022
CASH:		
On Hand	\$300	\$300
Deposits	253,693	225,696
Disbursements	3,361,651	283,099
Savings	3,046,070	9,464,762
Tax Trust	22,974	21,916
Municipal Reserve	511,677	479,877
SHORT TERM DEPOSITS:		
31 day Notice	11,139	1,076,630
60 day Notice	2,857,480	1,022,404
90 day Notice	11,356,516	11,603,134
Total Cash and Temporary Investments	<u><u>21,421,501</u></u>	<u><u>24,177,818</u></u>
INVESTMENTS		
Term Deposits	2,156,800	2,039,076
Funds Held In Trust	1,543,718	-
Other Investments	10,034	6,469
Total Investments	<u><u>3,710,552</u></u>	<u><u>2,045,544</u></u>
TAXES AND GRANTS IN LIEU RECEIVABLE:		
Current	1,261,940	1,295,156
Arrears	280,973	386,533
Forfeited Land	4,719	6,856
	<u>1,547,632</u>	<u>1,688,546</u>
Allowance for Uncollectible Taxes	(100,000)	(140,000)
Total Taxes & Grants in Lieu Receivable	<u><u>1,447,632</u></u>	<u><u>1,548,546</u></u>
# of Tax Rolls on TIPP	284	195

Payments Issued
For Month Ended September 2023



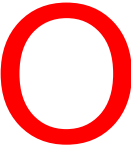
Vendor ID	Vendor Name	Document Date	Document Number	Document Amount	Voided
PRAI001	Prairie Battery	2023-09-01	911226	183.04	No
NEWH001	Newhook Trenching Ltd.	2023-09-01	911227	250.00	No
PAKR001	Pakrat Towing	2023-09-01	911228	380.10	No
GOVE012	Government of Alberta	2023-09-07	911229	1,000.00	No
APPR001	Approach Navigation Systems Inc.	2023-09-14	911230	3,326.60	No
BARR051	Barrhead Machine & Welding (2023) Ltd.	2023-09-14	911231	322.05	No
BREI002	Breitkreitz, Danny	2023-09-14	911232	1,761.16	No
CATA001	Catalis	2023-09-14	911233	48,047.96	No
GATE001	Gateway Research Organization	2023-09-14	911234	5,000.00	No
HOF001	Hofsink, Dana	2023-09-14	911235	19.81	No
MASO001	Mason, Timothy	2023-09-14	911236	50.00	No
MECH001	MechJager Mechanical Ltd.	2023-09-14	911237	283.66	No
MILE002	Milestone Municipal Services - Emily House	2023-09-14	911238	5,122.55	No
MUNI004	Munisight Ltd.	2023-09-14	911239	1,111.61	No
SCHO002	Schoff, Darcy	2023-09-14	911240	50.00	No
TEMP000000021	Tiemstra, Tyler and Kelsey	2023-09-14	911241	3,028.36	No
WURT001	Wurth Canada Limited	2023-09-14	911242	313.50	No
GOVE002	Government of Alberta Land Titles	2023-09-14	911243	36.00	No
MUNI001	Municipal Planning Services Ltd.	2023-09-14	911244	420.00	No
PARK004	ParklandGEO Ltd.	2023-09-14	911245	3,780.00	No
CLAR001	Clarke Creative	2023-09-14	911246	387.59	No
AMSC002	AMSC (BMO PCARD)	2023-09-15	911247	2,477.29	No
ALLA002	All Around Oilfield Services Ltd.	2023-09-28	911248	3,471.95	No
ALLN002	All-North Trucking	2023-09-28	911249	16,760.89	No
DALE001	Dale Pederson Trucking	2023-09-28	911250	1,955.54	No
DART001	Dartin Transport Ltd.	2023-09-28	911251	12,645.60	No
GARL001	Gar-Lyn Trucking Ltd.	2023-09-28	911252	19,276.02	No
GROS001	Grossenbacher Trucking Ltd.	2023-09-28	911253	16,769.41	No
5969001	596947 Alberta Ltd.	2023-09-01	EFT000000001162	84.00	No
ASSO002	Associated Engineering Alberta Ltd.	2023-09-01	EFT000000001163	1,119.83	No
BARR024	Barrhead Home Hardware Building Centre	2023-09-01	EFT000000001164	156.39	No
BARR034	Barrhead Rentals & Sales Ltd.	2023-09-01	EFT000000001165	173.25	No
CENT001	Central City Asphalt Ltd.	2023-09-01	EFT000000001166	598,506.02	No
FRES001	Freson Bros. Barrhead	2023-09-01	EFT000000001167	31.96	No
GREAO01	Great West Newspapers LP	2023-09-01	EFT000000001168	472.50	No
GREG001	Gregg Distributors Ltd.	2023-09-01	EFT000000001169	1,112.53	No
HAYW001	Hayworth Equipment Sales	2023-09-01	EFT000000001170	753.30	No
MCLE001	McLean's Auto Parts LTD.	2023-09-01	EFT000000001171	97.23	No
RMAI001	RMA Insurance	2023-09-01	EFT000000001172	135.96	No
STEP001	Stephani Motors Ltd.	2023-09-01	EFT000000001173	1,536.73	No
TOWN001	Town of Barrhead	2023-09-01	EFT000000001174	107.10	No
HUTC001	Hutchison Law	2023-09-01	EFT000000001175	846.82	No
LUKE001	Luke's Contract Hauling	2023-09-01	EFT000000001176	6,464.62	No
RIVE001	River Valley Crushing	2023-09-01	EFT000000001177	5,573.71	No
SMAL001	Small Power Ltd.	2023-09-01	EFT000000001178	62.30	No
LOCA001	Local Authorities Pension Plan	2023-09-06	EFT000000001179	44,451.69	No
MYHS100	MYHSA	2023-09-08	EFT000000001180	243.90	No

Payments Issued
For Month Ended Septmeber 2023

CANO001	Canoe Procurement Group of Canada	2023-09-12 EFT000000001181	44,747.09	No
CANO001	Canoe Procurement Group of Canada	2023-09-12 EFT000000001182	185.08	No
RECE001	Receiver General For Canada	2023-09-07 EFT000000001183	118,620.38	No
WORK001	Workers Compensation Board	2023-09-03 EFT000000001184	8,724.10	No
NEER003	Neerlandia Co-op Association	2023-09-13 EFT000000001185	4,872.19	No
PEMB004	Pembina West Co-op	2023-09-13 EFT000000001186	65,146.49	No
VICT001	Victor Insurance Managers Inc.	2023-09-01 EFT000000001187	19,909.53	No
1737001	1737069 Alberta Ltd.	2023-09-14 EFT000000001188	2,411.85	No
5969001	596947 Alberta Ltd.	2023-09-14 EFT000000001189	84.00	No
ALBE013	Alberta Municipal Health and Safety Assoc.	2023-09-14 EFT000000001190	136.49	No
BARR019	Barrhead Electric Ltd.	2023-09-14 EFT000000001191	9,581.25	No
BARR032	Barrhead Regional Water Commission	2023-09-14 EFT000000001192	9,572.98	No
BRAV001	Brave Nose Septic Service Inc.	2023-09-14 EFT000000001193	1,694.44	No
CARO001	CARO Analytical Services	2023-09-14 EFT000000001194	321.09	No
CERT002	Certified Tracking Solutions	2023-09-14 EFT000000001195	689.12	No
DROZ001	Drozdz, Doug	2023-09-14 EFT000000001196	68.00	No
ENER001	Enercon Water Treatment Ltd.	2023-09-14 EFT000000001197	831.85	No
EVER001	Evergreen Catholic SRD No. 2	2023-09-14 EFT000000001198	6,320.05	No
GREAO01	Great West Newspapers LP	2023-09-14 EFT000000001199	294.84	No
GREG001	Gregg Distributors Ltd.	2023-09-14 EFT000000001200	480.15	No
HUSK002	Husky Energy Marketing Partnership	2023-09-14 EFT000000001201	123,945.42	No
LOND001	London Life	2023-09-14 EFT000000001202	250.00	No
PEMB002	Pembina Hills School Division	2023-09-14 EFT000000001203	1,863.79	No
PEMB004	Pembina West Co-op	2023-09-14 EFT000000001204	4,531.33	No
PURE001	Pure Glass	2023-09-14 EFT000000001205	273.00	No
REDL002	Red Lion Express Inc.	2023-09-14 EFT000000001206	297.32	No
ROAD001	Roadata Services Ltd.	2023-09-14 EFT000000001207	621.60	No
SCHA001	Schatz, Marvin	2023-09-14 EFT000000001208	69.36	No
SHAZ001	Shazel Cleaning	2023-09-14 EFT000000001209	630.00	No
SMAL001	Small Power Ltd.	2023-09-14 EFT000000001210	176.90	No
SMSE001	SMS Equipment (Coneco Equipment) Inc	2023-09-14 EFT000000001211	1,891.77	No
STEP001	Stephani Motors Ltd.	2023-09-14 EFT000000001212	5,910.99	No
TOOL002	Tool Solutions Ltd.	2023-09-14 EFT000000001213	970.19	No
TOWN001	Town of Barrhead	2023-09-14 EFT000000001214	1,697.52	No
WEST007	Western Star Trucks	2023-09-14 EFT000000001215	1,425.00	No
XERO100	Xerox Canada Ltd.	2023-09-14 EFT000000001216	234.43	No
DIRE001	Direct Energy Business	2023-09-05 EFT000000001217	826.53	No
MYHS100	MYHSA	2023-09-13 EFT000000001218	613.55	No
ASFF001	ASFF	2023-09-29 EFT000000001219	669,347.03	No
MYHS100	MYHSA	2023-09-15 EFT000000001220	813.00	No
MYHS100	MYHSA	2023-09-22 EFT000000001221	114.17	No
TRAN004	TransAlta Energy Marketing	2023-09-29 EFT000000001246	9,686.43	No
XERO100	Xerox Canada Ltd.	2023-09-27 EFT000000001247	361.27	Yes
XERO100	Xerox Canada Ltd.	2023-09-30 EFT000000001249	361.27	No
VOIDED Payments			-	361.27
Payments Issued			1,931,402.10	



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Summary of All Units
 For the Nine Months Ending September 30, 2023



	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Municipal taxes	\$12,287,653	\$12,275,694	(\$11,959)	(0.10%)	\$11,839,644	\$11,825,764
Local improvement levy	21,885	21,885	-	0.00%	21,885	21,885
Aggregate levy	30,686	100,000	69,314	69.31%	59,521	112,328
User fees and sale of goods	890,405	1,239,621	349,216	28.17%	898,139	1,238,615
Rental income	43,485	78,585	35,100	44.67%	52,883	66,726
Allocation for in-house equip Rental	1,022,088	792,986	(229,102)	(28.89%)	374,831	715,620
Penalties and costs on taxes	110,381	150,000	39,619	26.41%	135,876	167,712
Licenses, permits and fees	11,769	16,579	4,810	29.01%	16,171	17,371
Returns on investment	639,697	326,482	(313,215)	(95.94%)	251,453	455,914
Other governments transfer for operating	1,817,545	1,811,662	(5,882)	(0.32%)	697,391	1,113,484
Other revenue	74,891	1,584,490	1,509,599	95.27%	51,792	129,179
Drawn from unrestricted reserves	90,054	399,391	309,337	77.45%	80,711	162,586
Drawn from operating reserves	18,704	307,476	288,772	93.92%	117,061	634,445
Contribution from capital program	17,250	23,302	6,052	25.97%	-	98,890
TOTAL REVENUE	17,076,493	19,128,153	2,051,660	10.73%	14,597,359	16,760,518
EXPENDITURES						
Salaries and benefits	3,112,641	4,198,880	1,086,239	25.87%	3,084,012	3,875,618
Materials, goods, supplies	2,353,143	3,033,565	680,421	22.43%	2,252,659	2,899,317
Utilities	82,503	133,040	50,537	37.99%	80,574	125,376
Contracted and general services	1,495,571	2,475,115	979,544	39.58%	1,454,169	1,846,404
Purchases from other governments	260,723	300,240	39,517	13.16%	179,617	297,897
Transfer to other governments	716,472	2,816,919	2,100,448	74.57%	796,557	1,152,559
Transfer to individuals and organizations	47,123	79,881	32,758	41.01%	34,931	605,555
Transfer to local boards and agencies	127,008	165,523	38,514	23.27%	122,003	157,621
Interest on long term debt	57,934	114,671	56,737	49.48%	60,276	119,183
Principal payment for debenture	83,054	167,303	84,249	50.36%	80,711	162,586
Provision for allowances	-	40,425	40,425	100.00%	(324,531)	(334,106)
Bank charges and short term interest	1,016	1,970	954	48.42%	911	1,255
Tax cancellations	17,414	20,000	2,586	12.93%	578	9,890
Other expenditures	2,068	2,068	0	(0.01%)	2,227	2,226
Requisitions	2,160,763	2,774,205	613,441	22.11%	2,083,961	2,836,126
Transfer to operating reserves	174,848	266,747	91,899	34.45%	138,790	627,110
Transfer to capital reserves	1,594,196	1,835,438	241,242	13.14%	1,651,835	1,951,613
Transfer to capital program	723,417	702,164	(21,253)	(3.03%)	11,488	117,558
TOTAL EXPENDITURES	13,009,893	19,128,153	6,118,260	31.99%	11,710,766	16,453,788
NET COST / (REVENUE):	(4,066,600)	0	4,066,600	(115857542)	(2,886,592)	(306,730)
NET COST - OPERATING FUND	(6,433,054)	(2,074,181)	4,358,873	(210.15%)	(4,490,933)	(2,107,091)
NET COST - RESERVE FUND	1,660,287	1,395,318	(264,968)	(18.99%)	1,592,852	1,781,693
NET COST - CAPITAL FUND	706,167	678,862	(27,305)	(4.02%)	11,488	18,669



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 GENERAL GOVERNMENT
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
Municipal taxes	\$12,287,653	\$12,275,694	(\$11,959)	(0.10%)	\$11,839,644	\$11,825,764
Penalties and costs on taxes	110,381	150,000	39,619	26.41%	135,876	167,712
Returns on investment	613,913	307,000	(306,913)	(99.97%)	236,860	413,547
Other governments transfer for operating	-	-	-	0.00%	31,257	4,829
Other revenue	1,940	283	(1,657)	(585.37%)	2,051	2,068
Drawn from unrestricted reserves	83,054	392,391	309,337	78.83%	80,711	162,586
Drawn from operating reserves	-	220,767	220,767	100.00%	-	-
TOTAL REVENUE	13,096,940	13,346,135	249,195	1.87%	12,326,400	12,576,506
EXPENDITURES						
Provision for allowances	-	10,000	10,000	100.00%	(324,531)	(364,531)
Tax cancellations	17,414	20,000	2,586	12.93%	578	9,890
Other expenditures	2,068	2,068	0	0.00%	2,227	2,226
Requisitions	2,160,763	2,774,205	613,441	22.11%	2,083,961	2,836,126
Transfer to operating reserves	83,054	167,303	84,250	50.36%	82,134	531,946
Transfer to capital reserves	50,000	50,000	0	0.00%	-	-
TOTAL EXPENDITURES	2,313,298	3,023,576	710,277	23.49%	1,844,369	3,015,657
NET COST / (REVENUE):	(10,783,642)	(10,322,559)	461,083	(4.47%)	(10,482,031)	(9,560,849)
NET COST - OPERATING FUND	(10,833,642)	(9,926,704)	906,937	(9.14%)	(10,483,453)	(9,930,209)
NET COST - RESERVE FUND	50,000	(395,854)	(445,854)	112.63%	1,422	369,360



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 General Municipal
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Penalties and costs on taxes	\$110,381	\$150,000	\$39,619	26.41%	\$135,876	\$167,712
Returns on investment	613,913	307,000	(306,913)	(99.97%)	236,860	413,547
Other governments transfer for operating	-	-	-	0.00%	31,257	4,829
Drawn from unrestricted reserves	83,054	392,391	309,337	78.83%	80,711	162,586
Drawn from operating reserves	-	210,767	210,767	100.00%	-	-
TOTAL REVENUE	807,347	1,060,158	252,811	23.85%	484,705	748,674
EXPENDITURES						
Transfer to operating reserves	83,054	167,303	84,250	50.36%	82,134	167,415
Transfer to capital reserves	50,000	50,000	0	0.00%	-	-
TOTAL EXPENDITURES	133,054	217,303	84,250	38.77%	82,134	167,415
NET COST / (REVENUE):	(674,293)	(842,854)	(168,561)	20.00%	(402,571)	(581,259)
NET COST - OPERATING FUND	(724,293)	(457,000)	267,293	(58.49%)	(403,994)	(586,088)
NET COST - RESERVE FUND	50,000	(385,854)	(435,854)	112.96%	1,422	4,829



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Tax & Requisitions
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Municipal taxes	\$12,287,653	\$12,275,694	(\$11,959)	(0.10%)	\$11,839,644	\$11,825,764
Other revenue	1,940	283	(1,657)	(585.37%)	2,051	2,068
Drawn from operating reserves	-	10,000	10,000	100.00%	-	-
TOTAL REVENUE	12,289,593	12,285,977	(3,616)	(0.03%)	11,841,694	11,827,832
EXPENDITURES						
Provision for allowances	-	10,000	10,000	100.00%	(324,531)	(364,531)
Tax cancellations	17,414	20,000	2,586	12.93%	578	9,890
Other expenditures	2,068	2,068	0	0.00%	2,227	2,226
Requisitions	2,160,763	2,774,205	613,441	22.11%	2,083,961	2,836,126
Transfer to operating reserves	-	-	-	0.00%	-	364,531
TOTAL EXPENDITURES	2,180,245	2,806,272	626,027	22.31%	1,762,235	2,848,242
NET COST / (REVENUE):	(10,109,348)	(9,479,704)	629,644	(6.64%)	(10,079,460)	(8,979,590)
NET COST - OPERATING FUND	(10,109,348)	(9,469,704)	639,644	(6.75%)	(10,079,460)	(9,344,121)
NET COST - RESERVE FUND	-	(10,000)	(10,000)	100.00%	-	364,531



COUNTY OF BARRHEAD NO. 11
 YTD BUDGET REPORT
 ADMINISTRATION & LEGISLATIVE
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$9,794	\$8,929	(\$865)	(9.69%)	\$9,029	\$12,044
Other governments transfer for operating	109,928	146,570	36,642	25.00%	34,333	34,333
Other revenue	24,952	51,428	26,477	51.48%	5,666	46,309
Drawn from operating reserves	3,339	9,881	6,542	66.21%	5,082	6,604
TOTAL REVENUE	148,012	216,808	68,795	31.73%	54,110	99,290
EXPENDITURES						
Salaries and benefits	883,970	1,228,046	344,076	28.02%	889,211	1,180,836
Materials, goods, supplies	47,131	62,944	15,813	25.12%	49,956	49,910
Utilities	9,661	17,800	8,139	45.73%	10,134	16,007
Contracted and general services	286,816	612,213	325,397	53.15%	311,115	447,227
Bank charges and short term interest	1,016	1,970	954	48.42%	911	1,255
Transfer to operating reserves	3,375	4,804	1,429	29.74%	875	3,319
Transfer to capital reserves	70,000	70,000	-	0.00%	70,000	70,000
TOTAL EXPENDITURES	1,301,968	1,997,776	695,808	34.83%	1,332,202	1,768,554
NET COST / (REVENUE):	1,153,956	1,780,968	627,012	35.21%	1,278,092	1,669,265
NET COST - OPERATING FUND	1,083,920	1,716,046	632,126	36.84%	1,212,299	1,602,550
NET COST - RESERVE FUND	70,036	64,923	(5,113)	(7.88%)	65,793	66,714



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Legislative
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
Other revenue	\$5,422	\$4,500	(\$922)	(20.49%)	\$3,501	\$4,313
Drawn from operating reserves	-	2,381	2,381	100.00%	5,082	5,082
TOTAL REVENUE	5,422	6,881	1,459	21.20%	8,583	9,396
EXPENDITURES						
Salaries and benefits	193,588	315,767	122,179	38.69%	205,041	284,240
Materials, goods, supplies	884	3,789	2,905	76.67%	5,724	5,760
Contracted and general services	16,400	44,265	27,865	62.95%	48,916	66,513
Transfer to operating reserves	875	875	-	0.00%	875	875
TOTAL EXPENDITURES	211,747	364,696	152,949	41.94%	260,557	357,388
NET COST / (REVENUE):	206,325	357,815	151,490	42.34%	251,973	347,992
NET COST - OPERATING FUND	205,450	359,321	153,871	42.82%	256,181	352,199
NET COST - RESERVE FUND	875	(1,506)	(2,381)	158.10%	(4,207)	(4,207)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Administration
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$9,794	\$8,929	(\$865)	(9.69%)	\$9,029	\$12,044
Other governments transfer for operating	109,928	146,570	36,642	25.00%	34,333	34,333
Other revenue	19,530	46,928	27,399	58.38%	2,165	41,996
Drawn from operating reserves	3,339	7,500	4,161	55.48%	-	1,522
TOTAL REVENUE	142,590	209,927	67,337	32.08%	45,527	89,894
EXPENDITURES						
Salaries and benefits	690,383	912,279	221,897	24.32%	684,170	896,596
Materials, goods, supplies	46,247	59,155	12,908	21.82%	44,231	44,151
Utilities	9,661	17,800	8,139	45.73%	10,134	16,007
Contracted and general services	270,415	567,947	297,532	52.39%	262,108	380,623
Bank charges and short term interest	1,016	1,970	954	48.42%	911	1,255
Transfer to operating reserves	-	1,429	1,429	100.00%	-	2,444
Transfer to capital reserves	70,000	70,000	-	0.00%	70,000	70,000
TOTAL EXPENDITURES	1,087,721	1,630,580	542,859	33.29%	1,071,555	1,411,076
NET COST / (REVENUE):	945,131	1,420,653	475,522	33.47%	1,026,028	1,321,182
NET COST - OPERATING FUND	878,470	1,356,724	478,254	35.25%	956,028	1,250,260
NET COST - RESERVE FUND	66,661	63,929	(2,732)	(4.27%)	70,000	70,922



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Elections & Plebiscites
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
EXPENDITURES						
Contracted and general services	-	-	-	0.00%	\$91	\$91
Transfer to operating reserves	2,500	2,500	-	0.00%	-	-
TOTAL EXPENDITURES	2,500	2,500	-	0.00%	91	91
NET COST / (REVENUE):	2,500	2,500	-	0.00%	91	91
NET COST - OPERATING FUND	-	-	-	0.00%	91	91
NET COST - RESERVE FUND	2,500	2,500	-	0.00%	-	-



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 PROTECTIVE SERVICES
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$98,684	\$60,000	(\$38,684)	(64.47%)	\$64,153	\$91,952
Licenses, permits and fees	1,469	4,329	2,860	66.07%	1,471	1,671
Other governments transfer for operating	235,331	237,494	2,163	0.91%	38,071	38,071
Other revenue	9,265	3,500	(5,765)	(164.73%)	9,127	9,127
Drawn from operating reserves	521	3,500	2,979	85.11%	85,776	85,776
TOTAL REVENUE	345,271	308,823	(36,448)	(11.80%)	198,598	226,598
EXPENDITURES						
Salaries and benefits	19,840	104,803	84,963	81.07%	34,544	48,162
Materials, goods, supplies	4,990	31,442	26,452	84.13%	3,389	3,908
Contracted and general services	10,497	52,763	42,266	80.11%	12,341	13,016
Purchases from other governments	158,641	175,000	16,359	9.35%	76,096	165,193
Transfer to other governments	286,627	792,779	506,153	63.85%	360,724	657,710
Transfer to individuals and organizations	8,500	8,500	-	0.00%	7,288	7,288
Transfer to operating reserves	36,265	30,500	(5,765)	(18.90%)	36,127	36,127
Transfer to capital reserves	107,000	107,000	-	0.00%	182,000	182,000
TOTAL EXPENDITURES	632,360	1,302,787	670,428	51.46%	712,508	1,113,403
NET COST / (REVENUE):	287,089	993,964	706,876	71.12%	513,910	886,805
NET COST - OPERATING FUND	144,344	859,964	715,620	83.22%	381,560	754,455
NET COST - RESERVE FUND	142,744	134,000	(8,744)	(6.53%)	132,350	132,350



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Enhanced Policing Services / Prior Year SRO
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Other governments transfer for operating	\$173,159	\$173,159	\$0	0.00%	-	-
TOTAL REVENUE	173,159	173,159	0	0.00%	-	-
EXPENDITURES						
Transfer to other governments	68,836	373,109	304,273	81.55%	50,918	251,157
Transfer to individuals and organizations	1,000	1,000	-	0.00%	1,000	1,000
TOTAL EXPENDITURES	69,836	374,109	304,273	81.33%	51,918	252,157
NET COST / (REVENUE):	(103,323)	200,950	304,273	151.42%	51,918	252,157
NET COST - OPERATING FUND	(103,323)	200,950	304,273	151.42%	51,918	252,157



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Fire Services
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$98,551	\$60,000	(\$38,551)	(64.25%)	\$64,153	\$91,952
Other governments transfer for operating	34,987	34,987	-	0.00%	35,408	35,408
TOTAL REVENUE	133,538	94,987	(38,551)	(40.59%)	99,561	127,360
EXPENDITURES						
Salaries and benefits	297	510	213	41.81%	-	544
Contracted and general services	-	2,090	2,090	100.00%	-	49
Purchases from other governments	158,641	175,000	16,359	9.35%	76,096	165,193
Transfer to other governments	187,190	377,490	190,300	50.41%	253,166	321,594
Transfer to operating reserves	25,000	25,000	-	0.00%	25,000	25,000
Transfer to capital reserves	97,000	97,000	-	0.00%	97,000	97,000
TOTAL EXPENDITURES	468,128	677,090	208,962	30.86%	451,262	609,380
NET COST / (REVENUE):	334,590	582,103	247,513	42.52%	351,701	482,020
NET COST - OPERATING FUND	212,590	460,103	247,513	53.80%	229,701	360,020
NET COST - RESERVE FUND	122,000	122,000	-	0.00%	122,000	122,000



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Disaster Services
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
EXPENDITURES						
Salaries and benefits	\$5,921	\$9,185	\$3,263	35.53%	\$8,472	\$11,347
Materials, goods, supplies	-	150	150	100.00%	110	110
Contracted and general services	673	2,080	1,407	67.65%	661	860
Transfer to operating reserves	2,000	2,000	-	0.00%	2,000	2,000
TOTAL EXPENDITURES	8,594	13,415	4,820	35.93%	11,243	14,317
NET COST / (REVENUE):	8,594	13,415	4,820	35.93%	11,243	14,317
NET COST - OPERATING FUND	6,594	11,415	4,820	42.23%	9,243	12,317
NET COST - RESERVE FUND	2,000	2,000	-	0.00%	2,000	2,000



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 By-Law Enforcement
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
Licenses, permits and fees	\$1,469	\$4,329	\$2,860	66.07%	\$1,471	\$1,671
Drawn from operating reserves	-	-	-	0.00%	85,000	85,000
TOTAL REVENUE	1,469	4,329	2,860	66.07%	86,471	86,671
EXPENDITURES						
Salaries and benefits	-	57,757	57,757	100.00%	-	-
Materials, goods, supplies	4,001	23,546	19,545	83.01%	-	-
Contracted and general services	2,024	8,402	6,378	75.91%	433	565
Transfer to other governments	30,600	42,180	11,580	27.45%	56,640	84,960
Transfer to capital reserves	10,000	10,000	-	0.00%	85,000	85,000
TOTAL EXPENDITURES	46,625	141,885	95,260	67.14%	142,073	170,525
NET COST / (REVENUE):	45,156	137,556	92,400	67.17%	55,602	83,854
NET COST - OPERATING FUND	35,156	127,556	92,400	72.44%	55,602	83,854
NET COST - RESERVE FUND	10,000	10,000	-	0.00%	-	-



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Ambulance Services
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
EXPENDITURES						
Transfer to individuals and organizations	\$7,500	\$7,500	-	0.00%	\$6,288	\$6,288
TOTAL EXPENDITURES	<u>7,500</u>	<u>7,500</u>	<u>-</u>	<u>0.00%</u>	<u>6,288</u>	<u>6,288</u>
NET COST / (REVENUE):	7,500	7,500	-	0.00%	6,288	6,288
NET COST - OPERATING FUND	7,500	7,500	-	0.00%	6,288	6,288



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Safety Program
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Other revenue	\$9,265	\$3,500	(\$5,765)	(164.73%)	\$9,127	\$9,127
Drawn from operating reserves	521	3,500	2,979	85.11%	776	776
TOTAL REVENUE	9,787	7,000	(2,787)	(39.81%)	9,903	9,903
EXPENDITURES						
Salaries and benefits	13,622	37,351	23,729	63.53%	26,072	36,270
Materials, goods, supplies	989	7,246	6,257	86.36%	3,279	3,798
Contracted and general services	6,281	9,011	2,730	30.29%	7,133	7,427
Transfer to operating reserves	9,265	3,500	(5,765)	(164.73%)	9,127	9,127
TOTAL EXPENDITURES	30,158	57,108	26,950	47.19%	45,610	56,622
NET COST / (REVENUE):	20,371	50,108	29,737	59.35%	35,707	46,719
NET COST - OPERATING FUND	11,627	50,108	38,481	76.80%	27,357	38,368
NET COST - RESERVE FUND	8,744	-	(8,744)	0.00%	8,350	8,350



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Barrhead and Regional Crime Coalition (BARCC)
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$133	-	(\$133)	0.00%	-	-
Other governments transfer for operating	27,185	29,348	2,163	7.37%	2,663	2,663
TOTAL REVENUE	27,318	29,348	2,030	6.92%	2,663	2,663
EXPENDITURES						
Materials, goods, supplies	-	500	500	100.00%	-	-
Contracted and general services	1,519	31,180	29,661	95.13%	4,115	4,115
TOTAL EXPENDITURES	1,519	31,680	30,161	95.21%	4,115	4,115
NET COST / (REVENUE):	(25,800)	2,332	28,132	1206.33%	1,452	1,452
NET COST - OPERATING FUND	(25,800)	2,332	28,132	1206.33%	1,452	1,452



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 TRANSPORTATION SERVICES
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Aggregate levy	\$30,686	\$100,000	\$69,314	69.31%	\$59,521	\$112,328
User fees and sale of goods	324,787	342,806	18,019	5.26%	208,673	287,435
Rental income	9,538	11,075	1,538	13.88%	9,378	10,915
Allocation for in-house equip Rental	1,022,088	792,986	(229,102)	(28.89%)	374,831	715,620
Returns on investment	4,135	4,135	-	0.00%	5,448	5,448
Other governments transfer for operating	1,000,984	1,008,236	7,252	0.72%	113,493	644,541
Other revenue	20,294	-	(20,294)	0.00%	-	29,100
Drawn from operating reserves	-	30,620	30,620	100.00%	5,067	5,067
TOTAL REVENUE	2,412,512	2,289,858	(122,654)	(5.36%)	776,409	1,810,453
EXPENDITURES						
Salaries and benefits	1,648,087	2,138,543	490,456	22.93%	1,640,521	1,990,504
Materials, goods, supplies	2,127,180	2,593,106	465,926	17.97%	1,795,433	2,404,473
Utilities	56,395	84,090	27,695	32.94%	53,680	81,211
Contracted and general services	980,995	1,228,445	247,450	20.14%	875,055	954,677
Transfer to operating reserves	25,000	25,000	0	0.00%	-	-
Transfer to capital reserves	1,126,412	1,195,726	69,314	5.80%	1,125,291	1,370,310
Transfer to capital program	723,417	702,164	(21,253)	(3.03%)	11,488	117,558
TOTAL EXPENDITURES	6,687,486	7,967,074	1,279,588	16.06%	5,501,469	6,918,732
NET COST / (REVENUE):	4,274,974	5,677,217	1,402,242	24.70%	4,725,060	5,108,279
NET COST - OPERATING FUND	2,400,145	3,784,946	1,384,802	36.59%	3,593,347	3,625,477
NET COST - RESERVE FUND	1,151,412	1,190,106	38,694	3.25%	1,120,225	1,365,244
NET COST - CAPITAL FUND	723,417	702,164	(21,253)	(3.03%)	11,488	117,558



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Public Works
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Aggregate levy	\$30,686	\$100,000	\$69,314	69.31%	\$59,521	\$112,328
User fees and sale of goods	324,787	342,806	18,019	5.26%	208,673	287,435
Allocation for in-house equip Rental	1,022,088	792,986	(229,102)	(28.89%)	374,831	715,620
Returns on investment	4,135	4,135	-	0.00%	5,448	5,448
Other governments transfer for operating	988,226	991,226	3,000	0.30%	100,000	631,226
Other revenue	11,454	-	(11,454)	0.00%	-	29,100
Drawn from operating reserves	-	30,620	30,620	100.00%	5,067	5,067
TOTAL REVENUE	<u>2,381,377</u>	<u>2,261,773</u>	<u>(119,604)</u>	<u>(5.29%)</u>	<u>753,539</u>	<u>1,786,223</u>
EXPENDITURES						
Salaries and benefits	1,646,587	2,135,473	488,886	22.89%	1,640,521	1,988,704
Materials, goods, supplies	2,124,428	2,586,106	461,678	17.85%	1,794,611	2,398,935
Utilities	53,757	79,940	26,183	32.75%	50,928	76,865
Contracted and general services	961,171	1,197,570	236,399	19.74%	857,958	928,815
Transfer to operating reserves	25,000	25,000	0	0.00%	-	-
Transfer to capital reserves	1,108,412	1,177,726	69,314	5.89%	1,107,291	1,352,310
Transfer to capital program	723,417	702,164	(21,253)	(3.03%)	11,488	117,558
TOTAL EXPENDITURES	<u>6,642,773</u>	<u>7,903,979</u>	<u>1,261,206</u>	<u>15.96%</u>	<u>5,462,798</u>	<u>6,863,187</u>
NET COST / (REVENUE):	4,261,396	5,642,207	1,380,811	24.47%	4,709,258	5,076,964
NET COST - OPERATING FUND	2,404,566	3,767,936	1,363,370	36.18%	3,595,546	3,612,162
NET COST - RESERVE FUND	1,133,412	1,172,106	38,694	3.30%	1,102,225	1,347,244
NET COST - CAPITAL FUND	723,417	702,164	(21,253)	(3.03%)	11,488	117,558



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Airport Services
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Rental income	\$9,538	\$11,075	\$1,538	13.88%	\$9,378	\$10,915
Other governments transfer for operating	12,758	17,010	4,253	25.00%	13,493	13,315
Other revenue	8,840	-	(8,840)	0.00%	-	-
TOTAL REVENUE	31,135	28,085	(3,050)	(10.86%)	22,870	24,230
EXPENDITURES						
Salaries and benefits	1,500	3,070	1,570	51.14%	-	1,800
Materials, goods, supplies	2,752	7,000	4,248	60.69%	822	5,537
Utilities	2,638	4,150	1,512	36.45%	2,752	4,346
Contracted and general services	19,824	30,875	11,051	35.79%	17,097	25,862
Transfer to capital reserves	18,000	18,000	-	0.00%	18,000	18,000
TOTAL EXPENDITURES	44,714	63,095	18,381	29.13%	38,671	55,545
NET COST / (REVENUE):	13,579	35,010	21,431	61.22%	15,801	31,315
NET COST - OPERATING FUND	(4,421)	17,010	21,431	125.99%	(2,199)	13,315
NET COST - RESERVE FUND	18,000	18,000	-	0.00%	18,000	18,000



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 UTILITIES AND WASTE MANAGEMENT
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Local improvement levy	\$21,885	\$21,885	-	0.00%	\$21,885	\$21,885
User fees and sale of goods	324,555	362,900	38,345	10.57%	287,484	360,071
Rental income	23,532	46,720	23,188	49.63%	31,718	35,624
Returns on investment	-	2,476	2,476	100.00%	-	22,872
Other revenue	-	1,500,000	1,500,000	100.00%	-	-
Contribution from capital program	17,250	23,302	6,052	25.97%	-	14,850
TOTAL REVENUE	387,222	1,957,283	1,570,060	80.22%	341,088	455,302
EXPENDITURES						
Salaries and benefits	111,901	129,444	17,544	13.55%	95,653	124,165
Materials, goods, supplies	25,581	65,726	40,145	61.08%	25,092	35,286
Utilities	15,994	25,600	9,606	37.52%	16,168	22,972
Contracted and general services	123,916	239,871	115,955	48.34%	92,254	145,337
Purchases from other governments	102,082	125,240	23,158	18.49%	103,521	132,703
Transfer to other governments	42,520	1,585,040	1,542,520	97.32%	57,833	70,057
Provision for allowances	-	30,425	30,425	100.00%	-	30,425
Transfer to capital reserves	183,885	207,846	23,961	11.53%	178,885	228,742
TOTAL EXPENDITURES	605,879	2,409,192	1,803,313	74.85%	569,406	789,687
NET COST / (REVENUE):	218,657	451,909	233,252	51.61%	228,318	334,385
NET COST - OPERATING FUND	52,021	267,365	215,343	80.54%	49,433	120,493
NET COST - RESERVE FUND	183,885	207,846	23,961	11.53%	178,885	228,742
NET COST - CAPITAL FUND	(17,250)	(23,302)	(6,052)	25.97%	-	(14,850)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Water & Sewer Utility Holders
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
Local improvement levy	\$21,885	\$21,885	-	0.00%	\$21,885	\$21,885
User fees and sale of goods	245,477	298,375	52,898	17.73%	234,521	296,148
Rental income	23,532	46,720	23,188	49.63%	31,718	35,624
Returns on investment	-	2,476	2,476	100.00%	-	22,872
Other revenue	-	1,500,000	1,500,000	100.00%	-	-
TOTAL REVENUE	290,895	1,869,456	1,578,561	84.44%	288,125	376,530
EXPENDITURES						
Salaries and benefits	57,760	76,608	18,848	24.60%	57,497	76,003
Materials, goods, supplies	20,565	24,450	3,885	15.89%	12,867	17,910
Utilities	13,643	18,969	5,326	28.08%	14,048	20,242
Contracted and general services	31,893	102,166	70,273	68.78%	20,387	41,989
Purchases from other governments	95,692	116,140	20,448	17.61%	97,779	122,319
Transfer to other governments	-	1,500,000	1,500,000	100.00%	-	-
Transfer to capital reserves	88,885	88,885	-	0.00%	88,885	109,072
TOTAL EXPENDITURES	308,438	1,927,218	1,618,780	84.00%	291,463	387,534
NET COST / (REVENUE):	17,543	57,762	40,219	69.63%	3,338	11,004
NET COST - OPERATING FUND	(71,342)	(31,123)	40,219	(129.22%)	(85,547)	(98,068)
NET COST - RESERVE FUND	88,885	88,885	-	0.00%	88,885	109,072



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Truck Fill
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$18,567	\$19,525	\$958	4.91%	\$17,729	\$24,175
TOTAL REVENUE	18,567	19,525	958	4.91%	17,729	24,175
EXPENDITURES						
Salaries and benefits	919	1,216	297	24.42%	861	1,128
Materials, goods, supplies	298	1,000	702	70.18%	2,536	2,536
Utilities	906	1,700	794	46.68%	970	1,333
Contracted and general services	5,758	6,181	423	6.84%	633	745
Purchases from other governments	6,390	6,100	(290)	(4.76%)	5,743	7,385
Transfer to capital reserves	-	3,328	3,328	100.00%	-	-
TOTAL EXPENDITURES	14,272	19,525	5,253	26.90%	10,742	13,127
NET COST / (REVENUE):	(4,294)	0	4,294	99634206.	(6,987)	(11,048)
NET COST - OPERATING FUND	(4,294)	(3,328)	967	(29.05%)	(6,987)	(11,048)
NET COST - RESERVE FUND	-	3,328	3,328	100.00%	-	-



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Lagoons
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$60,511	\$45,000	(\$15,511)	(34.47%)	\$35,234	\$39,747
Contribution from capital program	17,250	17,650	400	2.27%	-	14,850
TOTAL REVENUE	77,761	62,650	(15,111)	(24.12%)	35,234	54,597
EXPENDITURES						
Salaries and benefits	7,167	8,936	1,769	19.80%	3,770	4,631
Materials, goods, supplies	463	1,200	737	61.46%	183	183
Utilities	1,444	4,931	3,487	70.71%	1,151	1,397
Contracted and general services	17,581	23,950	6,369	26.59%	3,823	15,716
Purchases from other governments	-	3,000	3,000	100.00%	-	3,000
Transfer to capital reserves	-	20,633	20,633	100.00%	-	29,669
TOTAL EXPENDITURES	26,654	62,650	35,996	57.46%	8,926	54,597
NET COST / (REVENUE):	(51,107)	0	51,107	131043180	(26,308)	0
NET COST - OPERATING FUND	(33,857)	(2,983)	30,874	(1034.97%)	(26,308)	(14,819)
NET COST - RESERVE FUND	-	20,633	20,633	100.00%	-	29,669
NET COST - CAPITAL FUND	(17,250)	(17,650)	(400)	2.27%	-	(14,850)



COUNTY OF BARRHEAD NO. 11
 YTD BUDGET REPORT
 General Utility Services
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
EXPENDITURES						
Salaries and benefits	\$18,890	\$22,734	\$3,844	16.91%	\$18,064	\$21,744
Materials, goods, supplies	1,109	4,076	2,967	72.79%	1,725	1,911
Contracted and general services	7,113	13,716	6,603	48.14%	1,731	2,291
Transfer to capital reserves	50,000	50,000	-	0.00%	50,000	50,000
TOTAL EXPENDITURES	77,112	90,526	13,413	14.82%	71,520	75,946
NET COST / (REVENUE):	77,112	90,526	13,413	14.82%	71,520	75,946
NET COST - OPERATING FUND	27,112	40,526	13,413	33.10%	21,520	25,946
NET COST - RESERVE FUND	50,000	50,000	-	0.00%	50,000	50,000



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Waste Management
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Contribution from capital program	-	\$5,652	\$5,652	100.00%	-	-
TOTAL REVENUE	-	5,652	5,652	100.00%	-	-
EXPENDITURES						
Salaries and benefits	27,165	19,950	(7,215)	(36.16%)	15,459	20,658
Materials, goods, supplies	3,147	35,000	31,853	91.01%	7,782	12,747
Contracted and general services	61,571	93,858	32,287	34.40%	65,681	84,596
Transfer to other governments	42,520	85,040	42,520	50.00%	57,833	70,057
Provision for allowances	-	30,425	30,425	100.00%	-	30,425
Transfer to capital reserves	45,000	45,000	0	0.00%	40,000	40,000
TOTAL EXPENDITURES	179,402	309,273	129,871	41.99%	186,755	258,483
NET COST / (REVENUE):	179,402	303,621	124,219	40.91%	186,755	258,483
NET COST - OPERATING FUND	134,402	264,273	129,871	49.14%	146,755	218,483
NET COST - RESERVE FUND	45,000	45,000	0	0.00%	40,000	40,000
NET COST - CAPITAL FUND	-	(5,652)	(5,652)	100.00%	-	-



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 COMMUNITY SUPPORT SERVICES
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
EXPENDITURES						
Transfer to other governments	\$56,625	\$75,500	\$18,875	25.00%	\$51,375	\$68,500
TOTAL EXPENDITURES	<u>56,625</u>	<u>75,500</u>	<u>18,875</u>	<u>25.00%</u>	<u>51,375</u>	<u>68,500</u>
NET COST / (REVENUE):	56,625	75,500	18,875	25.00%	51,375	68,500
NET COST - OPERATING FUND	56,625	75,500	18,875	25.00%	51,375	68,500



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Family and Community Support Services (FCSS)
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
EXPENDITURES						
Transfer to other governments	\$56,625	\$75,500	\$18,875	25.00%	\$51,375	\$68,500
TOTAL EXPENDITURES	<u>56,625</u>	<u>75,500</u>	<u>18,875</u>	<u>25.00%</u>	<u>51,375</u>	<u>68,500</u>
NET COST / (REVENUE):	56,625	75,500	18,875	25.00%	51,375	68,500
NET COST - OPERATING FUND	56,625	75,500	18,875	25.00%	51,375	68,500



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 PLANNING & DEVELOPMENT
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	-	\$262,858	\$262,858	100.00%	\$278,160	\$278,160
Rental income	10,415	12,790	2,375	18.57%	11,787	14,787
Licenses, permits and fees	10,300	12,250	1,950	15.92%	14,700	15,700
Returns on investment	18,379	9,600	(8,779)	(91.44%)	5,688	10,590
Other revenue	15,929	20,500	4,571	22.30%	31,211	33,838
Drawn from operating reserves	2,340	18,065	15,725	87.05%	8,500	515,443
Contribution from capital program	-	-	-	0.00%	-	80,075
TOTAL REVENUE	57,362	336,063	278,701	82.93%	350,046	948,593
EXPENDITURES						
Salaries and benefits	155,180	213,746	58,566	27.40%	148,476	198,087
Materials, goods, supplies	30,948	131,613	100,664	76.49%	258,511	281,806
Contracted and general services	35,295	127,930	92,635	72.41%	98,472	119,199
Transfer to individuals and organizations	-	-	-	0.00%	-	498,508
Transfer to operating reserves	17,500	17,500	-	0.00%	10,000	10,000
Transfer to capital reserves	26,898	174,866	147,968	84.62%	65,658	70,561
TOTAL EXPENDITURES	265,822	665,655	399,834	60.07%	581,118	1,178,160
NET COST / (REVENUE):	208,459	329,592	121,133	36.75%	231,073	229,567
NET COST - OPERATING FUND	166,401	155,291	(11,110)	(7.15%)	163,914	744,524
NET COST - RESERVE FUND	42,058	174,301	132,243	75.87%	67,158	(434,882)
NET COST - CAPITAL FUND	-	-	-	0.00%	-	(80,075)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Land Use Planning & Dev
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
Licenses, permits and fees	\$10,300	\$12,250	\$1,950	15.92%	\$14,700	\$15,700
Returns on investment	18,379	9,600	(8,779)	(91.44%)	5,688	10,590
Other revenue	15,929	20,500	4,571	22.30%	31,211	33,838
Drawn from operating reserves	2,340	11,565	9,225	79.77%	-	8,435
TOTAL REVENUE	46,947	53,915	6,968	12.92%	51,599	68,563
EXPENDITURES						
Salaries and benefits	104,386	124,814	20,428	16.37%	89,391	120,162
Materials, goods, supplies	30,775	31,268	493	1.58%	34,672	34,866
Contracted and general services	24,196	73,832	49,636	67.23%	29,461	37,582
Transfer to operating reserves	17,500	17,500	-	0.00%	10,000	10,000
Transfer to capital reserves	26,898	29,600	2,702	9.13%	35,749	40,651
TOTAL EXPENDITURES	203,755	277,014	73,259	26.45%	199,272	243,260
NET COST / (REVENUE):	156,808	223,099	66,291	29.71%	147,674	174,697
NET COST - OPERATING FUND	114,750	187,564	72,814	38.82%	101,925	132,481
NET COST - RESERVE FUND	42,058	35,535	(6,523)	(18.36%)	45,749	42,216



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Economic Development
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Drawn from operating reserves	-	\$6,500	\$6,500	100.00%	\$8,500	\$507,008
TOTAL REVENUE	-	6,500	6,500	100.00%	8,500	507,008
EXPENDITURES						
Salaries and benefits	50,794	88,932	38,139	42.89%	59,086	77,926
Materials, goods, supplies	173	1,000	827	82.67%	281	341
Contracted and general services	10,816	35,551	24,735	69.57%	25,881	38,487
Transfer to individuals and organizations	-	-	-	0.00%	-	498,508
TOTAL EXPENDITURES	61,783	125,483	63,700	50.76%	85,248	615,261
NET COST / (REVENUE):	61,783	118,983	57,200	48.07%	76,748	108,254
NET COST - OPERATING FUND	61,783	125,483	63,700	50.76%	85,248	615,261
NET COST - RESERVE FUND	-	(6,500)	(6,500)	100.00%	(8,500)	(507,008)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Subdivision & Land Development
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	-	\$262,858	\$262,858	100.00%	\$278,160	\$278,160
Contribution from capital program	-	-	-	0.00%	-	80,075
TOTAL REVENUE	-	262,858	262,858	100.00%	278,160	358,235
EXPENDITURES						
Materials, goods, supplies	-	99,345	99,345	100.00%	223,559	246,599
Contracted and general services	283	18,547	18,264	98.47%	42,924	42,924
Transfer to capital reserves	-	145,266	145,266	100.00%	29,910	29,910
TOTAL EXPENDITURES	283	263,158	262,875	99.89%	296,392	319,433
NET COST / (REVENUE):	283	300	17	5.67%	18,232	(38,802)
NET COST - OPERATING FUND	283	(144,966)	(145,249)	100.20%	(11,677)	11,363
NET COST - RESERVE FUND	-	145,266	145,266	100.00%	29,910	29,910
NET COST - CAPITAL FUND	-	-	-	0.00%	-	(80,075)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Land, Housing & Building Rentals
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
Rental income	\$10,415	\$12,790	\$2,375	18.57%	\$11,787	\$14,787
TOTAL REVENUE	<u>10,415</u>	<u>12,790</u>	<u>2,375</u>	<u>18.57%</u>	<u>11,787</u>	<u>14,787</u>
EXPENDITURES						
Contracted and general services	-	-	-	0.00%	206	206
TOTAL EXPENDITURES	<u>-</u>	<u>-</u>	<u>-</u>	<u>0.00%</u>	<u>206</u>	<u>206</u>
NET COST / (REVENUE):	(10,415)	(12,790)	(2,375)	18.57%	(11,581)	(14,581)
NET COST - OPERATING FUND	(10,415)	(12,790)	(2,375)	18.57%	(11,581)	(14,581)



COUNTY OF BARRHEAD NO. 11
 YTD BUDGET REPORT
 AGRICULTURAL SERVICES
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$121,991	\$192,978	\$70,987	36.78%	\$41,512	\$198,653
Rental income	-	8,000	8,000	100.00%	-	5,400
Other governments transfer for operating	333,972	282,032	(51,940)	(18.42%)	332,907	244,379
Other revenue	-	4,999	4,999	100.00%	438	5,437
Drawn from unrestricted reserves	7,000	7,000	0	0.00%	-	-
Drawn from operating reserves	2,753	9,643	6,890	71.45%	2,135	10,505
TOTAL REVENUE	465,717	504,652	38,936	7.72%	376,992	464,374
EXPENDITURES						
Salaries and benefits	279,387	366,898	87,511	23.85%	253,843	310,009
Materials, goods, supplies	112,884	138,872	25,988	18.71%	105,190	108,245
Utilities	454	5,550	5,096	91.82%	592	5,187
Contracted and general services	42,354	195,249	152,895	78.31%	51,283	147,569
Transfer to other governments	-	4,000	4,000	100.00%	-	3,598
Transfer to individuals and organizations	23,933	51,431	27,498	53.47%	1,767	70,834
Transfer to operating reserves	-	11,986	11,986	100.00%	-	32,100
Transfer to capital reserves	30,000	30,000	-	0.00%	30,000	30,000
TOTAL EXPENDITURES	489,011	803,986	314,975	39.18%	442,675	707,541
NET COST / (REVENUE):	23,294	299,333	276,039	92.22%	65,683	243,167
NET COST - OPERATING FUND	3,047	273,990	270,943	98.89%	37,818	191,571
NET COST - RESERVE FUND	20,247	25,343	5,096	20.11%	27,865	51,595



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Ag Services
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$28,556	\$26,550	(\$2,006)	(7.56%)	\$26,035	\$26,648
Rental income	-	8,000	8,000	100.00%	-	5,400
Other governments transfer for operating	166,247	129,907	(36,340)	(27.97%)	125,407	126,879
Other revenue	-	4,999	4,999	100.00%	438	5,437
Drawn from unrestricted reserves	7,000	7,000	0	0.00%	-	-
Drawn from operating reserves	2,753	1,273	(1,480)	(116.22%)	2,135	2,135
TOTAL REVENUE	204,556	177,730	(26,827)	(15.09%)	154,015	166,499
EXPENDITURES						
Salaries and benefits	201,373	257,282	55,909	21.73%	194,827	231,913
Materials, goods, supplies	77,882	105,561	27,679	26.22%	73,314	75,075
Utilities	454	5,550	5,096	91.82%	592	5,187
Contracted and general services	36,502	83,669	47,168	56.37%	44,309	62,893
Transfer to other governments	-	4,000	4,000	100.00%	-	3,598
Transfer to individuals and organizations	17,000	19,000	2,000	10.53%	-	1,000
Transfer to capital reserves	30,000	30,000	-	0.00%	30,000	30,000
TOTAL EXPENDITURES	363,210	505,062	141,852	28.09%	343,042	409,666
NET COST / (REVENUE):	158,653	327,332	168,679	51.53%	189,027	243,167
NET COST - OPERATING FUND	138,407	305,606	167,199	54.71%	161,163	215,302
NET COST - RESERVE FUND	20,247	21,727	1,480	6.81%	27,865	27,865



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Highway 2 Conservation (H2C) / ALUS
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$93,435	\$166,428	\$72,993	43.86%	\$15,477	\$172,005
Other governments transfer for operating	167,725	152,125	(15,600)	(10.25%)	207,500	117,500
Drawn from operating reserves	-	8,370	8,370	100.00%	-	8,370
TOTAL REVENUE	261,160	326,923	65,762	20.12%	222,977	297,875
EXPENDITURES						
Salaries and benefits	78,014	109,616	31,602	28.83%	59,016	78,096
Materials, goods, supplies	35,002	33,311	(1,691)	(5.08%)	31,876	33,169
Contracted and general services	5,852	111,580	105,728	94.76%	6,974	84,675
Transfer to individuals and organizations	6,933	32,431	25,498	78.62%	1,767	69,834
Transfer to operating reserves	-	11,986	11,986	100.00%	-	32,100
TOTAL EXPENDITURES	125,801	298,924	173,123	57.92%	99,633	297,875
NET COST / (REVENUE):	(135,359)	(27,999)	107,360	(383.45%)	(123,344)	-
NET COST - OPERATING FUND	(135,359)	(31,615)	103,744	(328.14%)	(123,344)	(23,731)
NET COST - RESERVE FUND	-	3,616	3,616	100.00%	-	23,731



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 RECREATION & CULTURE
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	%	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$10,593	\$9,150	(\$1,443)	(15.77%)	\$9,128	\$10,300
Returns on investment	3,272	3,272	-	0.00%	3,458	3,458
Other governments transfer for operating	137,330	137,330	-	0.00%	147,330	147,330
Other revenue	2,512	3,780	1,269	33.56%	3,300	3,300
Drawn from operating reserves	9,750	15,000	5,250	35.00%	10,500	11,050
Contribution from capital program	-	-	-	0.00%	-	3,965
TOTAL REVENUE	163,456	168,532	5,075	3.01%	173,716	179,402
EXPENDITURES						
Salaries and benefits	14,277	17,400	3,123	17.95%	21,763	23,856
Materials, goods, supplies	4,429	9,862	5,433	55.09%	15,088	15,691
Contracted and general services	15,699	18,645	2,946	15.80%	13,648	19,380
Transfer to other governments	330,700	359,600	28,900	8.04%	326,625	352,694
Transfer to individuals and organizations	14,690	19,950	5,260	26.37%	25,875	28,925
Transfer to local boards and agencies	127,008	165,523	38,514	23.27%	122,003	157,621
Interest on long term debt	57,934	114,671	56,737	49.48%	60,276	119,183
Principal payment for debenture	83,054	167,303	84,249	50.36%	80,711	162,586
Transfer to operating reserves	9,654	9,654	-	0.00%	9,654	13,619
TOTAL EXPENDITURES	657,444	882,607	225,163	25.51%	675,644	893,554
NET COST / (REVENUE):	493,988	714,076	220,088	30.82%	501,928	714,152
NET COST - OPERATING FUND	494,083	719,421	225,338	31.32%	502,774	715,548
NET COST - RESERVE FUND	(96)	(5,346)	(5,250)	98.21%	(846)	2,569
NET COST - CAPITAL FUND	-	-	-	0.00%	-	(3,965)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Recreation
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
User fees and sale of goods	\$10,593	\$9,150	(\$1,443)	(15.77%)	\$9,128	\$10,300
Returns on investment	3,272	3,272	-	0.00%	3,458	3,458
Other revenue	2,512	3,780	1,269	33.56%	3,300	3,300
Drawn from operating reserves	5,000	10,000	5,000	50.00%	9,000	9,550
Contribution from capital program	-	-	-	0.00%	-	3,965
TOTAL REVENUE	21,376	26,202	4,825	18.42%	24,886	30,572
EXPENDITURES						
Salaries and benefits	14,277	17,400	3,123	17.95%	21,763	23,856
Materials, goods, supplies	4,429	9,862	5,433	55.09%	7,912	8,050
Contracted and general services	15,699	18,645	2,946	15.80%	12,547	15,399
Transfer to other governments	330,700	355,700	25,000	7.03%	326,625	351,625
Transfer to individuals and organizations	5,000	10,000	5,000	50.00%	19,425	22,475
Interest on long term debt	57,934	114,671	56,737	49.48%	60,276	119,183
Principal payment for debenture	83,054	167,303	84,249	50.36%	80,711	162,586
Transfer to operating reserves	9,654	9,654	-	0.00%	9,654	13,619
TOTAL EXPENDITURES	520,746	703,235	182,489	25.95%	538,914	716,793
NET COST / (REVENUE):	499,369	677,033	177,664	26.24%	514,028	686,221
NET COST - OPERATING FUND	494,715	677,379	182,664	26.97%	513,374	686,116
NET COST - RESERVE FUND	4,654	(346)	(5,000)	1445.50%	654	4,069
NET COST - CAPITAL FUND	-	-	-	0.00%	-	(3,965)



COUNTY OF BARRHEAD NO.11
 YTD BUDGET REPORT
 Culture
 For the Nine Months Ending September 30, 2023

	September 2023 YTD	2023 Budget	Budget Variance	% Variance	September 2022 YTD	PY (2022)
REVENUE						
Other governments transfer for operating	\$137,330	\$137,330	-	0.00%	\$147,330	\$147,330
Drawn from operating reserves	4,750	5,000	250	5.00%	1,500	1,500
TOTAL REVENUE	142,080	142,330	250	0.18%	148,830	148,830
EXPENDITURES						
Materials, goods, supplies	-	-	-	0.00%	7,176	7,640
Contracted and general services	-	-	-	0.00%	1,102	3,981
Transfer to other governments	-	3,900	3,900	100.00%	-	1,069
Transfer to individuals and organizations	9,690	9,950	260	2.61%	6,450	6,450
Transfer to local boards and agencies	127,008	165,523	38,514	23.27%	122,003	157,621
TOTAL EXPENDITURES	136,698	179,373	42,674	23.79%	136,731	176,761
NET COST / (REVENUE):	(5,382)	37,043	42,424	114.53%	(12,099)	27,931
NET COST - OPERATING FUND	(632)	42,043	42,674	101.50%	(10,599)	29,431
NET COST - RESERVE FUND	(4,750)	(5,000)	(250)	5.00%	(1,500)	(1,500)

County of Barrhead
SEPTEMBER 2023 YTD Capital Report



	Admin & General	Enforce.	Fire & ERC	Public Works	Airport	Waste Mgmt	Utilities	Planning & Dev.	Subdiv & Land Dev.	Ag Services	Rec & Culture	September 2023 YTD	2023 BUDGET
1 CAPITAL APPLIED													
2 Land & Land Improvements				25,816		-						25,816	50,760
3 Buildings	7,812		-	26,974						28,520		63,306	336,868
4 Machinery & Equipment	50,854		-	2,699,704		-						2,750,558	3,118,342
5 Engineered Structures												-	
6 Sidewalks												-	
7 Road Construction				968,522								968,522	1,094,698
8 Paving & Overlays				6,323,805								6,323,805	7,167,160
9 Bridges				244,256								244,256	845,000
10 Neerlandia Lagoon							31,847					31,847	85,018
11 Vehicles		-	-	57,781								57,781	205,255
12 Land Improvements												-	
13 Subtotal: Capital Assets Purchased/Constructed	58,666	-	-	10,346,859	-	-	31,847	-	-	28,520	-	10,465,892	12,903,101
14 Transfer to Individuals												-	-
15 Transfer to Local Governments												-	-
16 Transfer to Operating	-	-	-	-	-	-	17,250	-	-	-	-	17,250	23,302
17 Transfer to Capital Reserves	120,000	10,000	97,000	1,108,412	18,000	45,000	138,885	26,898	-	30,000	-	1,594,196	1,835,438
18 TOTAL CAPITAL APPLIED	178,666	10,000	97,000	11,455,271	18,000	45,000	187,982	26,898	-	58,520	-	12,077,338	
20 BUDGETED CAPITAL APPLIED:	252,224	95,000	175,450	13,320,135	18,000	395,652	265,514	29,600	145,266	65,000	-	14,761,841	14,761,841
21 CAPITAL ACQUIRED													
22 Sale of Land												-	-
23 Sale of Buildings												-	-
24 Sale of Machinery & Equipment				1,178,455		-						1,178,455	1,139,200
25 Sale of Vehicles			-	-								-	21,500
26 Contributions from Individuals -Develop. Agree.												-	-
27 Contributions from individuals to Other Reserves												-	-
28 Contributions from Individuals for Capital Assets												-	-
29 Federal Grants				2,195,760								2,195,760	2,735,939
30 Provincial Grants Capital-Bridges				183,192								183,192	633,750
31 Provincial Grants Capital-MSI				3,749,536								3,749,536	3,749,536
32 Local Governments Contributions												-	-
33 Contributions from Operating				723,417								723,417	702,164
34 Contributions from Operating to Capital Reserves	120,000	10,000	97,000	1,108,412	18,000	45,000	138,885	26,898	-	30,000	-	1,594,196	1,835,438
35 Contributions from Reserves to Operating	-	-	-	-	-	-	17,250	-	-	-	-	17,250	23,302
36 Contributions from Reserves for Capital	58,666	-	-	2,316,498	-	-	31,847	-	-	28,520	-	2,435,532	3,921,012
37 TOTAL CAPITAL ACQUIRED	178,666	10,000	97,000	11,455,271	18,000	45,000	187,982	26,898	-	58,520	-	12,077,338	
BUDGETED CAPITAL ACQUIRED:	252,224	95,000	175,450	13,320,135	18,000	395,652	265,514	29,600	145,266	65,000	-	14,761,841	14,761,841

Capital Report
2023 Capital Expenditures

		EXPENDITURE							
		YTD SEPTEMBER 2023	FUNDING SOURCE					2023 BUDGET	
			GENERAL REVENUES	RESERVES	FEDERAL GRANTS	PROVINCIAL GRANTS	SALE OF EQUIP		OTHER / UNKNOWN
TRANSPORTATION		# miles							
Bridges									
	BF 78033 SW 17-62-3-W5 (STIP approved) (CF)		244,256	61,064		183,192		310,000	
	BF 70370 RGE RD 51 (STIP Denied) (CF)		-					150,000	
	BF 70917 RGE RD 20 (STIP Denied)		-					385,000	
Road Construction									
	22-340 Completion (CF)		11,049	1,300	9,749			14,000	
	23-640 WofNW5,8,17-61-4-W5 (Buruma North)	2.25	612,010	612,010				429,478	
	23-440 NE&NW 16-59-4-W5 (D.Mackenzie West) (CF)	1	229,522	229,522				186,771	
	23-740 - RGE RD 32 (Mast North) (CF)	1	4,534	4,534				191,763	
	23-742 - Rge Rd 41 (New) Res#2023-171	1	111,407	111,407				182,657	
	23-741 - RGE RD 32 (Visser North)		-					272,686	
Paving									
	2022/3-340 W of 25 & 36 59-4-W5 (Autoparts Road)								
	- 2 miles	2	1,845,663		1,845,663			2,120,959	
	Rge Rd 22 - 4 miles	4	4,089,884		340,348	3,749,536		4,613,749	
	Thunder Lake Overlay		388,259	388,259				432,452	
Equipment Replacement									
	2 x 2022 Scrapers (CF)		2,604,000	1,818,000			786,000	2,604,000	
	2023 Dozer (purchased in 2022, sell old in 2023)		-	(375,000)			375,000		
	2023 Pintle Hitch Tri-Axle Trailer		56,158	50,398			5,760	55,990	
	2023 Post Pounder		21,300	9,605			11,695	21,300	
	2023 Steamer Pressure Washer		18,246	18,246				18,246	
	2023 Pick Up Truck		57,781	57,781				57,755	
Buildings, Land, & Land Improvements									
	Concrete pad & foundation & eavestroughes		26,974	26,974				42,500	
	Salt shed		-					200,000	
	County welcome sign (CF)		-					5,760	
	Fencing PW Yard		25,816	25,816				30,000	
		11.25	10,346,859	723,417	2,316,498	2,195,760	3,932,728	1,178,455	-
									12,325,066

CF - denotes carry forward

Capital Report
2023 Capital Expenditures

CF - denotes carry forward

	EXPENDITURE YTD SEPTEMBER 2023	FUNDING SOURCE						2023 BUDGET
		GENERAL REVENUES	RESERVES	FEDERAL GRANTS	PROVINCIAL GRANTS	SALE OF EQUIP	OTHER / UNKNOWN	
AIRPORT								
	-	-	-	-	-	-	-	-
WASTE MANAGEMENT								
Track Loader Waste Handler (50%)								330,000
Non-Compliance Rehab Work (50%) (CF)								15,000
	-	-	-	-	-	-	-	345,000
UTILITIES								
Neerlandia lagoon power & access	24,125		24,125					38,000
Neerlandia lagoon CF	7,722		7,722					47,018
	31,847	-	31,847	-	-	-	-	85,018
AGRICULTURAL SERVICES								
Building repairs	-							20,000
Concrete pad repairs	28,520		28,520					15,000
	28,520	-	28,520	-	-	-	-	35,000
TOTAL	10,465,892	723,417	2,435,532	2,195,760	3,932,728	1,178,455	-	12,813,072

Original	12,903,101
Removed 23-741	(272,686)
Add 23-742	182,657
	<u>12,813,072</u>

Capital Report
2023 Capital Reserve Transactions

	CONTRIBUTIONS TO CAPITAL RESERVES		CAPITAL RESERVES TO OPERATIONS		CAPITAL RESERVES TO CAPITAL (TCA)	
	YTD 2023 SEPTEMBER	2023 BUDGET	YTD 2023 SEPTEMBER	2023 BUDGET	YTD 2023 SEPTEMBER	2023 BUDGET
ADMINISTRATION & GENERAL						
Computer & Equipment Reserve	70,000	70,000			(50,854)	(78,806)
Office	50,000	50,000			(7,812)	(53,418)
	120,000	120,000	-	-	(58,666)	(132,224)
FIRE						
ERC Equipment Reserve		-				
Fire Equipment Reserve	87,000	87,000				(65,500)
Emergency Response Bldg.	10,000	10,000				(5,950)
	97,000	97,000	-	-	-	(71,450)
ENFORCEMENT						
Enforcement Equipment	10,000	10,000				(85,000)
	10,000	10,000	-	-	-	(85,000)
TRANSPORTATION						
P.W. Graders	507,275	507,275				
P.W. Equipment	510,451	510,451			(1,579,030)	(1,616,091)
Aggregate Reserve	30,686	100,000			(388,259)	(681,685)
P.W. - Local Roads & Bridge Construction		-			(296,421)	(603,784)
Public Works Shop	50,000	50,000			(52,790)	(272,500)
Land Right of Way Reserve	10,000	10,000				(5,760)
	1,108,412	1,177,726	-	-	(2,316,499)	(3,179,820)

Capital Report
2023 Capital Reserve Transactions

	CONTRIBUTIONS TO CAPITAL RESERVES		CAPITAL RESERVES TO OPERATIONS		CAPITAL RESERVES TO CAPITAL (TCA)	
	YTD 2023 SEPTEMBER	2023 BUDGET	YTD 2023 SEPTEMBER	2023 BUDGET	YTD 2023 SEPTEMBER	2023 BUDGET
AIRPORT						
Airport	18,000	18,000				
	18,000	18,000	-	-	-	-
WASTE MANAGEMENT						
Transfer Station Bins	5,000	5,000		(5,652)		-
Landfill Equipment Reserve	25,000	25,000				(317,500)
Landfill	15,000	15,000				(15,000)
	45,000	45,000	-	(5,652)	-	(332,500)
UTILITIES						
Utility Officer Truck		-				
Offsite Levy Reserve - Neerlandia		-				
Offsite Levy Reserve - Manola		-				
Water & Sewer Capital Reserve	67,000	67,000				
Regional Water & Sewer Lines / Future W&S Development	50,000	50,000				
Truck Fill		3,328				
Lagoons		20,633	(17,250)	(17,650)	(31,847)	(85,018)
Future Development - Fire Suppression	21,885	21,885				
	138,885	162,846	(17,250)	(17,650)	(31,847)	(85,018)
PLANNING & DEVELOPMENT						
Money in Lieu (of Municipal Reserve)	26,898	29,600				
	26,898	29,600	-	-	-	-

Capital Report
2023 Capital Reserve Transactions

	CONTRIBUTIONS TO CAPITAL RESERVES		CAPITAL RESERVES TO OPERATIONS		CAPITAL RESERVES TO CAPITAL (TCA)	
	YTD 2023 SEPTEMBER	2023 BUDGET	YTD 2023 SEPTEMBER	2023 BUDGET	YTD 2023 SEPTEMBER	2023 BUDGET
SUBDIVISION & LAND DEVELOPMENT						
Future Development		145,266				
	-	145,266	-	-	-	-
AGRICULTURAL SERVICES						
Ag Vehicle & Equipment	20,000	20,000			(28,500)	(35,000)
Ag Building	10,000	10,000				
	30,000	30,000	-	-	(28,500)	(35,000)
RECREATION						
		-	-	-	-	-
TOTAL	1,594,196	1,835,438	(17,250)	(23,302)	(2,435,512)	(3,921,012)



COUNTY OF BARRHEAD NO.11
Elected Official Remuneration Report
For the Nine Months Ending September 30, 2023



	September 2023 YTD	2023 Budget	Budget Variance	% Variance
Division 1 - Doug Drozd (Reeve)				
<i># of per diems</i>	<i>23.00</i>	<i>56.50</i>	<i>33.50</i>	<i>0.59</i>
Base salary	19,425.44	29,138.18	9,712.74	33.33%
Per diems	6,457.48	15,862.70	9,405.22	59.29%
Taxable mileage	689.52	1,700.00	1,010.48	59.44%
Benefits	4,213.35	8,912.74	4,699.39	52.73%
Salary and benefits	30,785.79	55,613.62	24,827.83	44.64%
Other mileage	262.80	680.00	417.20	61.35%
Training and conventions	1,059.86	4,000.00	2,940.14	73.50%
	32,108.45	60,293.62	28,185.17	46.75%
Division 2 - Marvin Schatz (Deputy Reeve)				
<i># of per diems</i>	<i>33.50</i>	<i>67.50</i>	<i>34.00</i>	<i>0.50</i>
Base salary	14,933.36	22,400.06	7,466.70	33.33%
Per diems	9,405.46	18,951.01	9,545.55	50.37%
Taxable mileage	507.96	1,088.00	580.04	53.31%
Benefits	4,089.77	8,607.60	4,517.83	52.49%
Salary and benefits	28,936.55	51,046.67	22,110.12	43.31%
Other mileage	1,493.41	1,360.00	(133.41)	(9.81%)
Training and conventions	1,558.98	4,000.00	2,441.02	61.03%
	31,988.94	56,406.67	24,417.73	43.29%
Division 3 - Ron Kleinfeldt				
<i># of per diems</i>	<i>29.00</i>	<i>62.00</i>	<i>33.00</i>	<i>0.53</i>
Base salary	10,441.20	15,661.82	5,220.62	33.33%
Per diems	8,142.04	17,406.85	9,264.81	53.23%
Taxable mileage	726.92	952.00	225.08	23.64%
Benefits	3,739.08	7,950.51	4,211.43	52.97%
Salary and benefits	23,049.24	41,971.18	18,921.94	45.08%
Other mileage	493.48	544.00	50.52	9.29%
Training and conventions	994.53	4,000.00	3,005.47	75.14%
	24,537.25	46,515.18	21,977.93	47.25%
Division 4 - Bill Lane				
<i># of per diems</i>	<i>38.50</i>	<i>65.50</i>	<i>27.00</i>	<i>0.41</i>
Base salary	10,441.20	15,661.82	5,220.62	33.33%
Per diems	10,809.26	18,389.50	7,580.24	41.22%
Taxable mileage	1,230.80	2,720.00	1,489.20	54.75%
Benefits	3,425.06	5,980.97	2,555.91	42.73%
Salary and benefits	25,906.32	42,752.29	16,845.97	39.40%
Other mileage	620.42	680.00	59.58	8.76%
Training and conventions	1,245.58	2,557.23	1,311.65	51.29%
	27,772.32	45,989.52	18,217.20	39.61%
Division 5 - Paul Properzi				
<i># of per diems</i>	<i>21.00</i>	<i>49.50</i>	<i>28.50</i>	<i>0.58</i>
Base salary	10,441.20	15,661.82	5,220.62	33.33%
Per diems	5,895.96	13,897.41	8,001.45	57.58%
Taxable mileage	869.04	1,632.00	762.96	46.75%
Benefits	4,167.67	7,802.25	3,634.58	46.58%
Salary and benefits	21,373.87	38,993.48	17,619.61	45.19%
Other mileage	295.32	408.00	112.68	27.62%
Training and conventions	1,063.17	4,000.00	2,936.83	73.42%
	22,732.36	43,401.48	20,669.12	47.62%
Division 6 - Walter Preugschas				
<i># of per diems</i>	<i>36.50</i>	<i>72.00</i>	<i>35.50</i>	<i>0.49</i>
Base salary	10,441.20	15,661.82	5,220.62	33.33%
Per diems	10,247.74	20,214.40	9,966.66	49.30%
Taxable mileage	753.44	1,632.00	878.56	53.83%
Benefits	3,412.48	5,989.89	2,577.41	43.03%
Salary and benefits	24,854.86	43,498.11	18,643.25	42.86%
Other mileage	505.79	816.00	310.21	38.02%
Training and conventions	1,533.20	4,000.00	2,466.80	61.67%
	26,893.85	48,314.11	21,420.26	44.34%
Division 7 - Jared Stoik				
<i># of per diems</i>	<i>11.00</i>	<i>55.50</i>	<i>44.50</i>	<i>0.80</i>
Base salary	10,441.20	15,661.82	5,220.62	33.33%
Per diems	3,088.36	15,581.94	12,493.58	80.18%
Taxable mileage	1,056.72	2,652.00	1,595.28	60.15%
Benefits	3,980.11	7,995.89	4,015.78	50.22%
Salary and benefits	18,566.39	41,891.65	23,325.26	55.68%
Other mileage		340.00	340.00	100.00%
Training and conventions		4,000.00	4,000.00	100.00%
	18,566.39	46,231.65	27,665.26	59.84%



Public Works Director of Infrastructure Report October 17, 2023

R

Graders

- Blading gravel roads, light blading MG30 areas where required.

Gravel Haul

- Hauling out of the Vega pit with County forces, completing 2023 projects.

Road Construction

- Working on Project #742 (south of 11-62-4-W5), project is close to being completed.
- Equipment will be moving to Regional Landfill to do a cover and cleanup of all areas.

Drainage

- Utilizing the excavator, backhoe and tandem gravel truck, County has been removing beaver dams, and repairing and replacing culverts.

Mowing

- Completed local roads and is now mowing at the airport and mowing paved roads to the property line.

Bridge File #72815 (SW 17-61-4-W5)

- On Range Road 45 north of Township Road 612 across Camp Creek. MPA Engineering is completing a level 2 inspection to determine required repairs. 2023 bridge inspection found this bridge to have the lead two piles in the center pier are vertically cracked and one pile on the south side backwall is also vertically cracked.

Labour

- Building fences, seeding construction projects, sign repairs, culvert delivery, building culvert cages, and transfer station and campground maintenance.

Klondike Park

- October 10, 2023 - Dock was split apart and placed on shore for the winter season.

Shop

- One snowplow truck is ready, repairs on second sand truck are planned.
- All other repairs and maintenance as required.

Utilities

- Utilities Operator carried out repairs on Public Works shop water supply as the flow was restricted due to aging pipe work.
- Utilities Operator worked with ratepayers in Neerlandia & Manola who carried out water and sewer service repairs on their lots. Repairs and connections were inspected as part of this work.
- Thunder Lake Lagoon groundwater monitoring report was received from Parkland Geo and reviewed by County staff.
- All other testing and monitoring is being carried out as per normal operations.