



**REGULAR MEETING (#12-24)
INCLUDING ITEMS CLOSED TO THE PUBLIC**

A Regular Meeting of the Council of the Village of Salmo to be held in Council Chambers at 423 Davies Avenue in Salmo, B.C. on **Tuesday, August 27, 2024 at 7:00 p.m.**

The public may attend in person or electronically. The electronic link will be available on our website on Tuesday.

Traditional Lands Acknowledgement Statement: We acknowledge and respect the indigenous peoples within whose traditional lands we are meeting today.

AGENDA:

1. Call to Order
2. Adoption of Agenda

STAFF RECOMMENDATION:

Pg.1

That the agenda of Regular Meeting #12-24 of Tuesday, August 27, 2024 be adopted as amended from *Council Procedure Bylaw No. 663, 2014* Schedule "B" include a New Business section, a Bylaw Development & Review section, a Public Question Period, and an *In Camera* section.

3. Delegations - NIL
4. New Business
5. Adoption of the Minutes

(1) **STAFF RECOMMENDATION:**

Pg.5

That the minutes of the Regular Council meeting #11-24 of Tuesday, July 9, 2024 be adopted as presented.

6. Referrals from Delegations - NIL
7. Referrals from Prior Meetings

(1) **Glendale Generator Gas Source Update**

Pg.9

STAFF RECOMMENDATION:

That natural gas be identified as the preferred gas source for the Glendale Generator and FUTURE, that staff be directed to obtain quotes to convert and install a gas line to the Glendale Generator for council consideration at the September 24, 2024 council meeting.

8. Bylaw Development & Review

(1) **Zoning Bylaw Amendment (ADU – 740 Davies Avenue) Bylaw No. 757, 2024**

Pg.11

STAFF RECOMMENDATION:

1. That "Zoning Amendment Bylaw No. 757, 2024 (ADU 740 Davies Ave)" be introduced and read a first and second time.
2. That "Zoning Amendment Bylaw No. 757, 2024 (ADU 740 Davies Ave)" be read a third time.
3. That "Zoning Amendment Bylaw No. 757, 2024 (ADU 740 Davies Ave)" be finally adopted.

4. That staff be directed to prepare an amendment to the Zoning Bylaw to permit Accessory Dwelling Units as an allowable use for council's consideration.

9. Operational Reports

(1) Civic Works Department

Pg.21

STAFF RECOMMENDATION:

That Council receive for information the written report as presented by Civic Works Foreman Fred Paton dated August 23, 2024.

(2) Fire Department

Pg.25

STAFF RECOMMENDATION:

That Council receive for information the written report dated August 1, 2024 provided by Fire Chief David Hearn for the period of June and July 2024.

(3) Bylaw Enforcement

Pg.27

STAFF RECOMMENDATION:

That Council receive for information the written report on bylaw enforcement for the period of June and July 2024.

(4) Administration

Pg.29

2025 Permissive Tax Exemptions

STAFF RECOMMENDATION:

1. That staff be directed to prepare a 2025 Permissive Tax Exemption bylaw for consideration and FURTHER, that the following organizations be included in the bylaw:
 - a. Salmo Baptist Church, 430 Cady Road: 1 year 100%
 - b. Salmo Memorial Church, 304 Main Street: 1 year 100%
 - c. Roman Catholic Bishop of Nelson, 402 Baker Street: 1 year 100%
 - d. Salmo Valley Curling and Rink Association, 1003 Glendale Avenue, 1 year 100%
 - e. Salmo Valley Youth and Community Centre, 206 7th Street, 1 year, 100%
 - f. Salmo Community Services, 311 Railway Avenue, 1 year, 100%
 - g. Salmo Square Society, 104 4th Street, 1 year, 100%
 - h. Salmo Royal Canadian Legion, 303 4th Street, 1 year, 100%
 - i. Salmo & Area Supportive Housing Society, 2025-50%; 2026-25%
 - j. Salmo Senior Citizens Housing Society, 517 Davies Avenue, 1 year, 100%
2. That staff be directed to prepare the Notice of Permissive Tax Exemptions in accordance with the requirements of the *Community Charter S227*.

b. Source Water Protection Plan

Pg.39

STAFF RECOMMENDATION:

That the Source Water Protection Plan prepared by Waterline Resources Inc. and dated August 21, 2024 be received for information and FURTHER, that a Committee of the Whole meeting be scheduled in the fall of 2024 for a comprehensive discussion of the findings, impacts and next steps.

- c. **Request for Leave of Absence – Councillor Heatlie** Pg.127

STAFF RECOMMENDATION:

That Councillor Jonathon Heatlie be granted a leave of absence from council for the period of August 27, 2024 to November 20, 2024.

- (5) **Strategic Plan - NIL**

10. Financial Reports

- (1) **STAFF RECOMMENDATION:** Pg.129

That Council receive for information the list of accounts payable cheques and electronic fund transfers from July 5, 2024 to August 22, 2024 totaling \$897,205.78.

- (2) **STAFF RECOMMENDATION:** Pg.133

That Council receive for information the Treasurer's Report for July 2024.

11. Correspondence Requiring a Council Decision - NIL

12. Correspondence for Information Only

STAFF RECOMMENDATION:

That Council receive for information the following correspondence from:

- (1) **Minister of Housing Re: Complying with the New SSMUH Requirements - Ministerial Order can be Issued - #48** Pg.135
- (2) **ForestryWorksForBC Campaign - #49** Pg.137
- (3) **BC Hydro Re: Sheep Creek Nutrient Addition Program - #50** Pg.143
- (4) **Mayor Lockwood's Letters of Support for the Salmo Valley Trail Society** Pg.145
- (5) **Ministry of Water, Land & Resource Stewardship Re Request for Reduction of Water Use - Drought Level 3 - #51** Pg.149
- (6) **City of Pitt Meadows Re: Resolutions to Reform the Farm Property Tax System - #53** Pg.153
- (7) **UBCM Re: Canada Community-Building Fund - First Community Works Fund Payment for 2024/2024 - #54** Pg.155

13. Member Reports & Inquiries Pg.157

- (1) **Councillor Cox**
- (2) **Councillor Heatlie**
- (3) **Councillor Lins**
- (4) **Councillor Neil**
- (5) **Mayor Lockwood**

RECOMMENDATION:

That the verbal and written reports of Mayor and Council be received for information.

14. Public Question Period

15. In Camera Resolution

That the meeting be closed to the public under Community Charter Sections 90(1)(c) labour relations or other employee relations; (e) the acquisition, disposition or expropriation of land or improvements, if the council considers that disclosure could reasonably be expected to harm the interests of the municipality; and (i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

16. **Reconvene Open Meeting**
17. **Adjournment**

The next regularly scheduled Council meeting will be on September 10, 2024 at 7:00 p.m.



The Corporation of the Village of Salmo

REGULAR MEETING #11-24 MINUTES

Minutes of the Regular Meeting of the Council of the Village of Salmo held in Council Chambers at 423 Davies Avenue in Salmo, B.C. on Tuesday, July 9, 2024 at 7:00 p.m.

PRESENT:

In Person:

Mayor Diana Lockwood
Councillor Melanie Cox
Councillor Kenzie Neil

Interim CAO Linda Tynan
Members of the Public - 1

Electronically:

Councillor Jennifer Lins
Members of the Public - 0

REGRETS:

Councillor Jonathon Heatlie.

CALL TO ORDER:

Mayor Lockwood called the meeting to order at 7:00 p.m.

AGENDA:

R1-11-24

Moved and seconded, that the agenda of Regular Meeting #11-24 of Tuesday, July 9, 2024 be adopted as amended from *Council Procedure Bylaw #663, 2014* Schedule "A" to include a New Business section, a Public Question period, and an *In Camera* section.

Carried.

DELEGATIONS:

Cheryl Cook, Salmo
District Arts Council Re:
Update on SDAC
Projects - #46

Cheryl Cook presented Council with an update on Salmo District Arts Council projects which include participating in the "Buy Local" program, a cooling centre at the Community Memorial Church, the Columbia Basins' Culture Tour is coming up, and a discussion of renovation plans.

NEW BUSINESS:

R2-11-24

Bear Safe Garbage Cans
at Tennis Court & Big
Rock Area

Moved and seconded, that staff be directed to purchase two single bear safe garbage cans and Council approve using up to \$9,000 from the Community Development Funds based on actual cost.

Carried.

R3-11-24

Fourth Street Road
Repair

Moved and seconded, that an additional \$5,000 be allocated to the Fourth Street Road repair (for a total project cost of \$13,500) with Canada Community Building funds to be used for the additional funding; and further, that a financial plan bylaw amendment be prepared to reflect this additional capital expense.

Carried.

R4-11-24

Stage 2 Water
Restrictions

Moved and seconded, that the Village of Salmo implement Stage 2 water restrictions (morning/evening 6-9, odd/even days) immediately.

Carried.

R5-11-24
Canada Community
Building Fund

Moved and seconded, that the Mayor and Corporate Officer be authorized to sign the Canada Community Building Fund agreement on behalf of the Village of Salmo.

Carried.

MINUTES: (Note: See official minutes and agenda package for applicable reports.)

R6-11-24
Regular Meeting
June 25, 2024

Moved and seconded, that the minutes of Regular Council meeting #10-24 of Tuesday, June 25, 2024 be adopted as presented.

Carried.

REFERRALS FROM DELEGATIONS:

R7-11-24
April 23, 2024 Neila
Morrison Re: Proposal
to Amend the Cemetery
Bylaw to Allow a Choice
of a Burial Liner

Moved and seconded, that the matter be tabled to a future meeting and further, that staff be directed to undertake further research and report back.

Carried.

R8-11-24
June 11, 2024 Indoor
Rock Climbing Wall at
Salmo Valley Youth &
Community Centre

Moved and seconded, that Council delegate authority to the Interim CAO to provide written consent to the Salmo Valley Youth & Community Centre (Sections 3.2 and 9.0) of the Lease agreement between the Village of Salmo and the Salmo Valley Youth & Community Centre in relation to the Indoor Rock Climbing Wall, and further, that the Interim CAO review details of the proposed activity prior to considering granting consent.

Carried.

REFERRALS FROM PRIOR MEETINGS: NIL

POLICY DEVELOPMENT & REVIEW: NIL

BYLAW REVIEW & DEVELOPMENT:

R9-11-24
Rezoning Application –
740 Davies Avenue

Moved and seconded, that staff be directed to prepare a zoning amendment bylaw to allow for an additional dwelling unit at 740 Davies Avenue, to be brought forward for consideration of first reading at the next regular council meeting.

Carried.

ACCOUNTS PAYABLE:

R10-11-24

Moved and seconded, that Council receive for information the list of accounts payable cheques and electronic fund transfers from June 21, 2024 to July 4, 2024 totaling \$68,672.81.

Carried.

CORRESPONDENCE REQUIRING A COUNCIL DECISION:

R11-11-24
Kailey Ogre, Salmo
Valley Farmers Market
Re: Mobile Vendors at
Market - #43

Moved and seconded, two food truck vendors be allowed to participate in the weekly Salmo Valley Farmers Market as a trial basis for the 2024 season.

Carried.
Mayor Lockwood recorded as opposed.

R12-11-24
Salmo & Area
Supportive Housing Re:
Request for 100%
Permissive Tax
Exemption for 2025
Taxation Year - #44

Moved and seconded, that the matter be tabled to bring forward with all 2025 property tax exemption applications.

Carried.

R13-11-24
Community Grant
Application: Salmo
District Arts Council -
#45

Moved and seconded, that the request for a community grant in the amount of \$300 be approved for the Salmo District Arts Council's "Buy Local" project.

Carried.

R14-11-24
Attendance at UBCM
Convention September
16-20, 2024

Moved and seconded, that Councillor Lins attend the UBCM Convention occurring September 16-20, 2024 in Vancouver; and further, that Councillor Lins be appointed as the MIABC Alternate voting delegate.

Carried.

CORRESPONDENCE FOR INFORMATION ONLY: NIL

MEMBER REPORTS & INQUIRIES:

Councillor Cox Nothing to report.

Councillor Lins Nothing to report.

Councillor Neil Nothing to report.

Mayor Lockwood See *Appendix A*.

R15-11-24
Verbal & Written
Reports of Mayor &
Council

Moved and seconded, that the verbal and written reports of Mayor and Council be received for information.

Carried.

PUBLIC QUESTION PERIOD: NIL

IN CAMERA RESOLUTION:

R16-11-24

Moved and seconded, that the meeting be closed to the public under *Community Charter* Sections 90(1)(a) personal information about an identifiable individual who holds or is being considered for a position as an officer, employee or agent of the municipality or another position appointed by the municipality.

Carried.

RECONVENE OPEN MEETING: Council reconvened the meeting at 8:39 p.m.

ADJOURNMENT:
R17-11-24

Moved and seconded, that the meeting be adjourned.

Carried.

I hereby certify the preceding to be a true and correct account of the Regular Meeting of Council held on Tuesday, July 9, 2024.

Mayor

Interim Chief Administrative Officer



The Corporation of the Village of Salmo

Report to Council

Report Date: August 22nd, 2024
Meeting Date: August 27th, 2024
From: Linda Tynan, Interim Chief Administrative Officer
Subject: Glendale Generator Gas Source Update

OBJECTIVE

To move forward in selection of the fuel source for the Glendale Well Generator.

RECOMMENDATION:

That council pass the following resolution:

THAT natural gas be identified as the preferred gas source for the Glendale Generator and FURTHER, that staff be directed to obtain quotes to convert and install a gas line to the Glendale Generator for council consideration at the September 24, 2024 council meeting.

BACKGROUND

In early 2024, it was established that the propane source currently installed at the Glendale Well was not sufficient to supply the back up generator in the event of a power outage. The matter was brought forward to the February 13, 2024 Special Council meeting for discussion and direction for next steps.

At that meeting, council was provided options to rectify the situation. These options included:

- Purchasing a larger propane tank and related items to increase the capacity of the propane source;
- Switching to an alternative source of fuel for the generator (such as natural gas or diesel).

At that time, staff recommended that the fuel source be switched to natural gas given the cost to install the appropriate size propane tank, and the hazardous nature of handling propane.

Council discussed the matter and concluded that more information was necessary before deciding on the most appropriate fuel source for the generator at the Well. They directed staff to engage an Engineer to review the available options for fuel sources for the emergency back up generator at the Glendale Well and to provide a recommendation.

Subsequent to the February 13, 2024 meeting, Ready Engineering was contracted to investigate the viability of propane, natural gas and diesel sources as fuel sources for the Glendale Well generator and to include a cost/benefit analysis of the recommendation.

DISCUSSION

Once an agreement for service was in place, Ready Engineering visited the Glendale Well site, contacted the suppliers of the generators and researched the cost to convert the propane tank to a size large enough to operate the generator in the case of emergency. They have made their recommendation on the best options for the back up generator based on sources, location, cost and all varying factors.

Ready Engineering affirmed the conclusion that the current propane tank does not have the capacity to operate the generator for more than 24 hours and that a 2,000 gallon propane tank would be required to be an adequate size. They expressed concern that the

Ready Engineering has concluded that the village should consider natural gas as the fuel source for operation of the generator at the Glendale Well based on:

- Gas lines are not visible by the public; the appropriate size propane tank is very large and would be very visible;
- Natural gas does not require refueling – this is especially important during an extended outage. It is unlikely that the supply of natural gas would be at risk during an emergency event unlike propane which relies on availability of delivery and open transportation corridors;
- Natural gas lines are reliable – ruptures are highly unlikely especially in an area with low seismic activity;
- Natural gas lines typically have a longer lifespan than propane;
- Ready Engineering concluded that it is likely that converting to natural gas will be a cost effective alternative to propane however, more research is required to understand the full cost of this conversion.

Ready Engineering recommends that expedient action is taken to move forward with the conversion to natural gas or with an increase to the size/capacity of the propane tank given that it is confirmed that the current propane capacity is insufficient to power the generator more than 24 hours. This situation leaves the Village vulnerable in the case of an emergency affecting water supply.

On July 29th, 2024 the Interior Health Speciality Environmental Health Officer (Water), was in Salmo for a meeting with Village Staff to discuss various matters relating to water. During the discussion relating to Village water sources, back up power was discussed. Staff advised the Health Officer about the current study to determine the appropriate fuel source for the Glendale well. **He strongly recommended that natural gas be selected as the permanent gas supply given its reliability.** He noted that in the case of disaster – the transportation routes required for delivery of propane were at greater risk of being inaccessible than the risk of an issue with natural gas supply.

OPTIONS

1. Identify natural gas as the preferred gas source and direct staff to obtain quotes to convert and install a gas line to the Glendale Generator
2. Identify propane as the preferred option and proceed to purchase a 2,000 gallon propane tank, level sensor and complete the installation to ensure the Glendale Well has an adequate supply of fuel in the event of an emergency.
3. Refer the matter back for further review and report.



The Corporation of the Village of Salmo

Request for Decision

Report Date: August 22, 2024

Meeting Date: August 27, 2024

From: Initially prepared by Trish Dehnel, Planner with subsequent review by Linda Tynan, Interim CAO

Subject: Rezoning application: 740 Davies Avenue

1. OBJECTIVE

An application has been received to allow for the conversion of a detached garage into an accessory dwelling unit. The property zoning does not permit accessory dwelling units. As “use and density” cannot be varied through other permits, the property must be “rezoned” to allow for this specific use.

This is an opportunity for the Village to provide preliminary review of this “change in use” application and Council is asked to authorize preparation of a site specific zoning amendment bylaw for the property located at 740 Davies Avenue (Lot D Plan NEP6291 District Lot 206 Kootenay District PID 006-770-274) to permit an accessory dwelling unit on a parcel in the R-1 Single and Two Family Residential Zone.

2. DISCUSSION AND ANALYSIS

Project description, property zoning information and relevant OCP information is attached.

The property zoning (R-1) does not permit accessory dwelling units (ADU) or two residential buildings on one lot.

This is a developed lot and the addition of an ADU will provide an extra residential unit in the Village. The proposal is not expected to impact the existing development of the lot. To move forward to allow an ADU on site, these factors have been considered:

- OCP recognizes need for housing and supports the development of “carriage houses” (also known as ADU)
- As the building is existing, it is exempt from Development Permit requirement.
- A building permit is required to complete conversion of the unit. **At that time, water and sewer servicing of the unit will be required.**
- Village policy is to have only one set of servicing connections per parcel. A second set of connections is not recommended as this sets up future asset management situations for the Village.
- For water service, the plumbing code requires a ¾ inch connection for 2 residential units. The property owner is responsible for all costs of connection/upgrade from the service to the property line. Configuration of the service on private property is up to the property owner and to meet building code.
- In the building permit stage, the renovations will be required to ensure it meets floodplain regulations.

- Concerning the siting of the existing development, under the Development Application Procedures Bylaw, staff is authorized to issue a minor development variance permit. As the ADU does not meet the required rear lot setback, the variance process will be followed concurrently with the rezoning process and issued prior to building permit.
- Under the recent Bill 44, as this zoning change meets the OCP and allows for an additional housing unit, a Public Hearing is prohibited. Notice of the first reading of the bylaw is required and as this impacts only one property, mailout to immediate neighbours is required. This notification was done in accordance with legislation.

3. RECOMMENDATION

That the zoning amendment bylaw be finalized to allow for a site specific exemption in the R1 zone to permit an accessory dwelling unit on the parcel legally known as *740 Davies Avenue (Lot D Plan NEP6291 District Lot 206 Kootenay District PID 006-770-274)*.

In addition to the resolutions relating to 740 Davies Avenue, staff recommends that council consider an amendment to the Zoning bylaw to allow Accessory Dwelling Units when constructed with a building permit and connected to Water/Sewer with appropriate oversight (eg. Engineer).

That Council pass the following resolutions:

1. THAT "Zoning Amendment Bylaw No. 757, 2024 (ADU 740 Davies Ave)" be introduced and read a first and second time.
2. THAT "Zoning Amendment Bylaw No. 757, 2024 (ADU 740 Davies Ave)" be read a third time.
3. THAT "Zoning Amendment Bylaw No. 757, 2024 (ADU 740 Davies Ave)" be finally adopted.
4. THAT staff be directed to prepare an amendment to the Zoning Bylaw to permit Accessory Dwelling Units as an allowable use for council's consideration.

4. ALTERNATIVES

1. Approve First, Second, Third and adoption of the Zoning Amendment Bylaw (ADU 740 Davies Avenue).
2. Do not pass First or Second Reading.

Patricia Dehnel

Patricia (Trish) Dehnel, RPP MCIP

Linda Tynan

Linda Tynan, Interim CAO

PROJECT DESCRIPTION

Property Information: 740 Davies Ave

- Property zoning: R-1 Single and Two Family Residential
- Property size is 0.243 acres (983 m²)
- Existing development: one single family home and one detached garage.
- OCP: Residential Low Density
- Flood Construction Levels - 1990: FCL 668.0 m setback 30.0 m
- Floodplain Yes Erie Creek
- Non Standard Flooding Erosion Area: Erie Creek Salmo E1/3-2N: Fan Type AD Rating 2
- Development Permit areas:
 - Schedule H Floodplain and Alluvial Fans
 - Schedule J Aquifer Protection

Monte Comeau
740 Davies Avenue

Proposal Summary

I am asking for approval to convert my existing garage into a self contained accessory dwelling unit for the purpose of a rental suite.

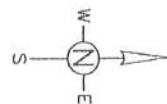
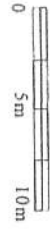
I want to completely renovate existing building and add water and sewer as those are not currently present. My hope would be that I could hook into existing sewer line if possible as that runs near the back of the building.

I am not sure how to access water as that is supplied to main house from Davies avenue.

I will be adding a new electrical service as existing house does not have the capacity for an additional rental unit and would prefer to have that separate.

There is ample room for parking an addition vehicle in front of the building and overall nothing really will change in appearance to the neighbours and no additional work by village works department as far a snow removal or other maintenance.

SITE PLAN



ADDRESS: 740 Davies Ave
 Salmo, BC V0G 1Z0
 Scale: 1:200

THIS IS NOT A LEGAL SURVEY, NOR IS IT INTENDED TO BE OR REPLACE ONE
 This work, product represents only generalized locations of
 features, objects or boundaries and should not be relied upon
 as being legally authoritative for the precise location of any
 feature, object or boundary.

Date: May 7, 2024

ZONING BYLAW 489, 2001

Zoning Single and Two Family Residential (R-1)

Permitted Uses include: 1. *Single-family dwellings*; 10. *accessory buildings and structures*; and 11. *Secondary suite contained within a building whose primary use is that of a single family dwelling.*

An accessory dwelling unit is **not** a permitted use of the zone.

Definitions:

No definition for Accessory Dwelling unit is found in the Salmo Zoning bylaw. In the SSMUH legislation, the province established the following definition:

Accessory Dwelling Unit : An accessory dwelling unit (often referred to as an ADU) is a self-contained dwelling unit, such as a garden suite, laneway home, carriage house or garage suite, located on the same legal lot as another dwelling. Specific planning rules and building code standards exist for the development of secondary suites and ADUs, providing property owners and tenants with assurances about the safety of their homes.

Development Variance / Plan Check (applicable sections):

Land Use / Zoning Bylaw	Bylaw Requirements	Proposed / Actual Development	Comments
Zone	Single and Two Family R1 Zone	Conversion of garage to ADU	Rezone required to allow ADU
Setbacks (4.4.3) 2) Accessory Building			
Front	4.5 m (Davies Ave)	Ok	OK
Exterior Side	4.5 m (Ninth St)	12.9 m	OK
Rear	1.5 (lane)	0.97 m	This is existing construction and will not increase non-conformity. To authorize building permit for conversion a minor DVP or acknowledgement in zone amendment suggested.
Interior Side	1.5 m	10.46 m	OK
Height (4.4.4)	10 m principle 4.5 m accessory	Conversion is of single-story garage.	OK
Site Coverage (4.4.5)	Not more than 33% of site	No new development proposed. Existing lot coverage at 28.2%	OK

Buildings Per Lot (4.4.6)	No more than one building per lot containing a dwelling unit or units may be located on a lot.	Proposal to be 2 buildings with dwelling unit	Amendment to zone to allow 2 residential buildings is required.
Parking (4.4.9)	Two off street parking spaces shall be provided for each dwelling unit		Ample parking on site.

Watercourse / Waterbody: (1) Erie Creek

Floodplain Bylaw	Bylaw Requirements	Proposed	Comments
Setback	30.0m		
FCL	668.0 m		
Alluvial Fan	AD Rating 2		

OFFICIAL COMMUNITY PLAN

Sustainable Salmo, Official Community Plan 2020, Bylaw 687

The OCP establishes the long term vision of the community and provides guidance for economic, environmental, physical design and social well being of the community.

The OCP is a guide for the development of the Village and may be amended and revised over time. However, the Village must not adopt bylaws that contravene the intent of the OCP.

2.7 Affordable Housing Strategy:

The strategy includes the following two clauses that support development of an accessory dwelling unit in the R-1 Zone.

f. Encourage suites in all new single detached homes;

h. Establish an infill rental housing bylaw to encourage coach houses and suites above garages where possible;

4.8 Economic Sustainability & Growth:

Policies that support development of an accessory dwelling include:

4.8.2.e) Promote the in-fill of vacant residential lots to increase housing availability, as increasing the population will foster the security of local businesses with increased, year-round business.

5.2 Sustainable Community Development

Objective to encourage *energy efficient neighbourhoods and buildings including retrofitting to minimize energy consumption and greenhouse gas emissions.* Policies include:

e) To incorporate regulations for coach houses and secondary suites into the new zoning bylaw;

(f) To incorporate revised permissible heights for secondary structures into the new zoning bylaw to accommodate coach houses and RV storage;

(g) To develop a bylaw regulating the use of bedrooms, secondary suites and coach houses and other dwellings as B&Bs to ensure that an adequate long-term rental housing supply is consistently available in Salmo and that neighbours do not have issues with other neighbours over property use and other issues around B&Bs, while also ensuring that the

Village can provide adequate accommodation for tourism growth;

5.5 Residential Objectives:

- (f) Encourage an increase in the development of rental housing in various forms; and*
- (g) Include secondary suites and coach housing options, where appropriate.*

6. Development Permit Areas

The subject property is located in 2 Development Permit areas.

- DPA1 - Aquifer Protection. The DP requirement is exempt for proposals connected to municipal water and sewer.
- DPA 3 - Floodplain. Although a DP is required for proposed alteration of existing structures within the Salmo Floodplain, section 6.5.6 exempts reconstruction / renovation of a building on its existing footprint.

R1 BYLAW AMENDMENT

In order to accommodate the applicant's request, the R1 zone could be amended on a site specific bases, so that only this parcel be permitted an ADU in the R1 zone. In future, under the current zoning bylaw, neighbouring properties wishing to do the same would be required to go through the rezoning process, with each application reviewed on a case by case basis.

Zoning Bylaw amendment:

Section 1.1 Definitions

Add **Accessory Dwelling Unit** : An accessory dwelling unit (ADU) is a self-contained dwelling unit located on the same legal lot as another dwelling.

Section 4.4.1 Permitted Uses of the R1 Zone

- Add 12. Accessory Dwelling Unit applicable to the parcel legally known as *740 Davies Avenue (Lot D Plan NEP6291 District Lot 206 Kootenay District PID 006-770-274)*

Section 4.4.6 Buildings Per Lot (R1 Zone)

- Add: An Accessory Dwelling Unit is also permitted on the parcel legally known as *740 Davies Avenue (Lot D Plan NEP6291 District Lot 206 Kootenay District PID 006-770-274)*

**THE CORPORATION OF THE VILLAGE OF SALMO
BYLAW NO. 757, 2024**

A BYLAW TO AMEND “ZONING BYLAW NO. 489, 2001”

WHEREAS the Council of the Village of Salmo considers it desirable and expedient to amend “ZONING BYLAW NO. 489, 2001” (hereinafter called “said Bylaw”);

NOW THEREFORE the Council of the Village of Salmo, in general open meeting assembled, enacts as follows:

1. That the said Bylaw be amended by adding the definition of Accessory Dwelling Unit (ADU) to Section 1.1 of Schedule “A” as follows:

Accessory Dwelling Unit (ADU) means a self-contained dwelling unit located on the same legal lot as another dwelling.

2. That the said Bylaw be amended by adding accessory dwelling unit to Section 4.4.1 (Single and Two-Family Residential R-1) of Schedule “A” as follows:

12. Accessory Dwelling Unit applicable only to the parcel legally known as *740 Davies Avenue (Lot D Plan NEP6291 District Lot 206 Kootenay District PID 006-770-274)*

3. That the said Bylaw be amended by adding a clause to Section 4.4.6 (Single and Two-Family Residential R-1) of Schedule “A” as follows:

An Accessory Dwelling Unit is also permitted on the parcel legally known as *740 Davies Avenue (Lot D Plan NEP6291 District Lot 206 Kootenay District PID 006-770-274)*

4. This Bylaw shall take effect immediately.

5. This Bylaw may be cited as the “Zoning Bylaw Amendment (ADU – 740 Davies Avenue) Bylaw No. 757, 2024”.

READ A FIRST TIME

this ___ day of ___, 2024

READ A SECOND TIME

this ___ day of ___, 2024

READ A THIRD TIME

this ___ day of ___, 2024

RECONSIDERED AND FINALLY ADOPTED

this ___ day of ___, 2024

Mayor

Interim Chief Administrative Officer

I HEREBY CERTIFY THE ABOVE TO BE A TRUE COPY OF THE “ZONING BYLAW AMENDMENT (ADU – 740 DAVIES AVENUE) BYLAW NO. 757, 2024”.

Interim Chief Administrative Officer



The Corporation of the Village of Salmo

Report to Council

Report Date: August 23, 2024
Meeting Date: August 27th, 2024 (#12-24)
From: Fred Paton, Civic Works Foreman
Subject: Civic Works Report for August, 2024

1. **OBJECTIVE**

To update Council on Civic Works operations.

2. **DISCUSSION**

2.1. **Summer Activities**

- (a) Annual sidewalk replacement/repair projects completed for 2024.
- (b) Annual patch paving projects completed.
- (c) KP Park gazebo roof repairs completed.
- (d) Completed the sewer line cleaning capital project.
- (e) Completed the sewer line inspection capital project.
- (f) Working with fencing company in preparation for the installation of the fence around the wastewater treatment plant. Fence will be completed by September 30, 2024.
- (g) Meeting with Interior Health Water Officer regarding Village water operations, permits and licenses (CAO to update council).
- (h) Parking stalls, handicap stalls and no parking curbs have all been repainted.
- (i) New bear proof garbage cans have been installed at Sayward Lane and next to the outdoor courts.
- (j) Prepared multiple water and sewer line quotes for upcoming new line installs.
- (k) Previously approved tarp system for Village dump truck has been installed.
- (l) All budgeted lab equipment for testing at the WWTP has been ordered and is operational. Staff conducting routine testing.
- (m) Weekly mowing and upkeep of all fields and green spaces around town.
- (n) Assisted with set up and take down for Salmo's July 1st festivities.
- (o) Removed dangerous trees from Village properties.

- (p) Street sign maintenance.
- (q) Daily cleaning and maintenance at KP and Lion's Park washrooms.
- (r) Completed multiple water shut offs/ons.
- (s) Ongoing fleet maintenance.
- (t) The following 'Request for Proposals' have been awarded:
 - (i) Request for Quotation – Sewer System Inspection & Condition Assessment
 - a. Successful Proponent: Kootenay Sub-Surface Imaging
 - (ii) Request for Quotation – Sewer System Cleaning
 - a. Successful Proponent: BC Vactoring Services
- (u) The 2024 Budget included funding for sewer line flushing and inspections. All sewer lines in the Village were flushed by Vactor truck. The project also included sewer line inspections of one third of the village's lines which was done by a camera that was run through the lines. The remainder of the lines will be budgeted for completion in the second phase of the project in 2025.

The Village has received a report with the details of findings of this inspection. No major concerns were found during the inspection and any concerns requiring repair/maintenance will be brought forward to council once staff has fully reviewed the report.

The purpose of the inspections done by camera is to provide a condition assessment of the sewer main lines (ie those owned by the Village). The camera may incidentally pick up images of service lines where they are close to the main line. Occasionally these incidental images may identify a potential issue with a property's service line. In the camera work done in 2024, imaging was picked up indicating that a service line has a blockage of roots and weeds close to the location of the connection of the main line. This is the responsibility of the property owner – not of the Village.

Out of courtesy, the Village will notify the homeowner of this imaging so they are made aware of the issue. The property owner may or may not choose to address the blockage at this time but the role of the Village is only to share information on what they have seen.

Overall, the contractor does not inspect service lines coming into the system and any such findings on service lines located on private property are incidental to the purpose and intent of this project.

At the start of this project, there was an issue with a small number of older houses that do not have back flow valves (which are necessary). These properties experienced a slight influx of water into their systems in the house. Unfortunately, the Village was not advised of the potential for backflow ahead of time, so no prior notice was given.

Once we were notified a special alert was given out to residents of the potential and was to mitigate it.

- (v) Council previously directed staff to engage an engineer to undertake a review of potential gas source options for the back up generator at Glendale Well. Ready Engineering has completed their review and made recommendations for moving forward. A staff report to Council on these findings has been included on this Council agenda.
- (w) Council previously approved the direct award of the Glendale Bridge Handrail project to Redwood Engineering. This project has been assigned to an Engineer and will be completed early fall this year.
- (x) Upcoming and Current Projects:
 - (i) Fourth Street Road Repair
 - (ii) WWTP Fencing Enclosure Project
 - (iii) WWTP Harmonics Upgrade
 - (iv) Glendale Well Gas Source and Back-up Generator Project
 - (v) Glendale Bridge Handrails Engineering

2.2.

Attachments:

- (a) NIL



Fire Chief's Report: August 01, 2024

Regular Council Meeting #12-24

Since the last report on June 1st, 2024 the Salmo Fire Department responded to 24 calls:

10	Jaws Calls	4	Wildland Fires (False)	1	Wind Event
1	Structure Fire	1	Hazmat Call	2	Burn Complaints
1	Downed Power Lines	2	Residential Kitchen Fires	1	Commercial Kitchen Fire
1	Vehicle fire				

DESCRIPTION

Once again our calls came in clusters, with five days with two or more calls, and a period of six consecutive days with one or more calls. Also, a good number of the calls came in the middle of the night, where people were still expected to go to work the next day with a limited amount of sleep.

Crews responded late one evening to a single vehicle MVI. Crews had to extricate the lone occupant of the vehicle, which was on its roof. Once the person was removed from the vehicle the person was declared deceased at the scene. The next evening after that event, we had a Critical Incident Stress Team attend our hall to do a defusing for all the members that attended the call.

Crews also responded to a report of structure fire. Crews were able to access the source of the fire, which was in the basement. Crews were then able to knock down the fire and limit the damage to the residence.

We have not responded to a kitchen fire in some time, however, we attended 3 kitchen fires in only five days. Two of the fires were residential fires, while the third fire was in a commercial deep fryer. Fortunately in all three events the damage was very minimal.

Misc.

Shambhala was relatively quiet for us this year. There are only two MVI's that the fire department attended that were Shambhala related.

We were on standby for the Ymir Fire Department a few times these last couple of months while they had their vehicle worked on. Their tender was down for a couple of days, and then their engine was in for inspection and repairs.

Originally Signed By:

David Hearn, Fire Chief



Bylaw Officer's Report: June 1, 2024, to July 31, 2024

Regular Council Meeting #12-24

Complaints:

INFRACTION TYPE	NO. OF INFRACTIONS	RESOLUTION
Noise Complaint	2	<ul style="list-style-type: none"> Two (2) complaints about dogs barking all day. The Bylaw Officer attended the residences and left notices. Will follow-up to ensure compliance.
Dog Related	2	<ul style="list-style-type: none"> One (1) complaint about a dog at large that was charging at people as they walked by. The complainant requested that no action be taken as he just wants it on file. One (1) complaint received from a resident that was bit by a leashed dog while riding a bike. The Bylaw Officer attended and spoke to the owner. This dog had previously been deemed a dangerous dog and must be muzzled and leashed at all times. The Village Office issued a fine for the infractions. Will follow-up to ensure the owner complies to the rules with a dangerous dog.
Excessive Use (Water)	2	<ul style="list-style-type: none"> One (1) complaint about a resident using excessive amounts of water and watering outside the permitted times. The Bylaw Officer spoke to the resident, and he agreed to comply. Will follow-up to ensure compliance. One (1) complaint about a business watering outside the permitted times. Village staff emailed the business, and they called the office to advise that they would adjust the sprinkler settings to comply to permitted times.
Unsightly	1	<ul style="list-style-type: none"> One (1) complaint about a van parked on a residential property full of garbage. An animal pulled the garbage out all over the property. The Bylaw Officer attended and spoke to the resident. Compliance achieved.
Harassment	1	<ul style="list-style-type: none"> One (1) complaint from a resident about an ongoing harassment issue. The resident was informed that the Village cannot get involved in disputes between neighbours.
Zoning	1	<ul style="list-style-type: none"> The Bylaw Officer was stopped by a resident who was concerned with the neighbour parking a fifth wheel very close to their property line. The fifth wheel was on the resident's property and is not a permanent structure therefore it is not a bylaw infraction.

Enforcement

INFRACTION TYPE	NO. OF INFRACTIONS	RESOLUTION
Traffic	13	<ul style="list-style-type: none"> The Bylaw Officer spoke to three (3) people parked in handicap spots without required permits. All complied and moved the vehicles. One (1) person informed him that she has already received a fine for this previously.

		<ul style="list-style-type: none"> • The Bylaw Officer spoke to one (1) person who was parking his scooter in the handicap spot. The man ignored his request to move the scooter. • Six (6) vehicles parked in alleys. The Bylaw Officer spoke to the owners of three (3) vehicles and they complied and moved vehicles. A notice was left on one (1) vehicle to move it and compliance was achieved. The other two (2) vehicles were moved without him requesting that they move them. Compliance achieved. • One (1) vehicle was parked in a yellow zone blocking the line of sight for traffic. Left a bylaw notice, compliance achieved. • The Bylaw Officer stopped to speak to one (1) resident about their large travel trailer parked in a back lane. This is an ongoing issue; compliance was eventually achieved. • The Bylaw Officer stopped to speak to one (1) owner of a business who had items and a tent blocking the sidewalk. Will follow-up to ensure compliance.
Garbage	1	<ul style="list-style-type: none"> • The Bylaw Officer spoke to one (1) resident about their garbage being pulled out of the bags by birds. Compliance achieved.
Unsightly	30	<ul style="list-style-type: none"> • The Bylaw Officer spoke to five (9) residents with long grass, compliance achieved with eight (8) properties. The Bylaw Officer will follow-up with the one (1) property owner to ensure compliance as his lawn mower is broken. • The Bylaw Officer left notices at sixteen (16) residences with long grass. Compliance achieved in all situations. • The Bylaw Officer noted four (4) other properties with relatively long grass. He is going to wait 1 week and if the grass is still long, he will speak to the owners or leave bylaw notices. Will follow-up to ensure compliance. • One (1) unsightly property. The Bylaw Officer took pictures. The Village Office will follow-up to ensure compliance.
Excessive Use (Water)	2	<ul style="list-style-type: none"> • The Bylaw Officer spoke to two (2) residents who were watering outside permitted times. Both complied.

Information submitted by:

Fred Nevakshonoff, Bylaw Officer



REPORT TO COUNCIL

DATE: August 18, 2024

SUBMITTED BY: Linda Tynan, Interim Chief Administrative Officer

SUBJECT: 2025 Permissive Tax Exemptions

RECOMMENDATION:

That council pass the following resolutions:

1. That staff be directed to prepare a 2025 Permissive Tax Exemption bylaw for consideration and FURTHER, that the following organizations be included in the bylaw:
 - a. Salmo Baptist Church, 430 Cady Road: 1 year 100%
 - b. Salmo Memorial Church, 304 Main Street: 1 year 100%
 - c. Roman Catholic Bishop of Nelson, 402 Baker Street: 1 year 100%
 - d. Salmo Valley Curling and Rink Association, 1003 Glendale Avenue, 1 year 100%
 - e. Salmo Valley Youth and Community Centre, 206 7th Street, 1 year, 100%
 - f. Salmo Community Services, 311 Railway Avenue, 1 year, 100%
 - g. Salmo Square Society, 104 4th Street, 1 year, 100%
 - h. Salmo Royal Canadian Legion, 303 4th Street, 1 year, 100%
 - i. Salmo & Area Supportive Housing Society, 2025-50%; 2026-25%
 - j. Salmo Senior Citizens Housing Society, 517 Davies Avenue, 1 year, 100%

 2. That staff be directed to prepare the Notice of Permissive Tax Exemptions in accordance with the requirements of the *Community Charter S227*.
-

PURPOSE:

To review the Permissive Tax Exemption applications received in 2024 and determine which applications will receive a Permissive Tax Exemption for 2025.

BACKGROUND:

The *Community Charter (CC)* Section 224 authorizes Council to exempt certain properties (land or improvements or both) from property taxation to the extent, for the period and subject to the condition provided in the bylaw. Exemptions may be for more than one year and may be for all of the tax or a portion.

Section 224 provides for permissive tax exemptions for properties used by a variety of non-profit organizations that provide services which Council considers directly related to the purposes of the organization. It also provides for permissive exemptions for some properties which are additional to statutory exemptions under Section 220, such as church halls or land surrounding places for public worship and privately run schools. **Exemptions provided for in Section 224 are at the discretion of Council.**

There is no obligation to give the exemption. Permissive Tax Exemptions exempt the property from municipal tax and all other tax levies from other taxing authorities (such as Regional District, School, Hospital).

The Village of Salmo's Permissive Tax Exemption Policy (F-010) states *that the objective of Permissive Tax Exemptions identify services and organizations which are complementary extensions of municipal services and that provide a demonstrable benefit to Village residents.*

Certain properties receive a Statutory Tax Exemption which are not considered by council. Such properties include Municipal Land, Libraries, First Nations Band, Cemeteries, Hospitals and Schools. Buildings used as Places of Worship also receive a Statutory Tax Exemption but only the actual footprint used for this purpose receives the statutory exemption. Other areas of the property belonging to the Places of Worship (such as the parking lot, area of land surrounding the building or a hall related to the operation of the place of worship) must apply for a Permissive Tax Exemption for consideration by council.

ANALYSIS:

Council approved ten Permissive Tax Exemptions (PTE) in 2024 with a total impact on municipal taxation of \$35,568. All applications were approved for a one-year period and all applications except one was approved for 100% exemption. One application (Salmo Supportive Housing Society) received a 75% exemption for 2024.

The Village received ten (10) applications for 2025 Permissive Tax Exemptions. The applicants are the same organizations which received PTEs in 2024. **There are no new applications.**

Applications of Note:

- Roman Catholic Bishop of Nelson submitted their application after the deadline. They have been included in the list for consideration.
- Salmo Community Services submitted their application after the deadline. They have been included in the list for consideration.
- Salmo Valley Curling & Rink Association submitted their application after the deadline. They have been included in the list for consideration.
- The Salmo and Area Supportive Housing Society received a 75% PTE in 2024 and council indicated their intent to reduce the subsidy (PTE) to 50% in 2025 and to 25% in 2026 in the expectation that the Society would be responsible for their operating expenses, including property taxes after 2026. The bylaw that was adopted only referenced 2024 (ie was not a multi-year bylaw) and therefore a new application was required for 2025.

The Salmo and Area Supportive Housing Society has submitted their application and have requested a 100% exemption for 2025. It should be noted that BC Assessment now classifies the Supportive Housing Society’s property as an “Affordable Housing Property” and therefore, assessment of the land/buildings is well below market amount.

I. - Properties registered in the name of churches [CC s. 224(2)(f)]

Church	Civic Address	Exemption requested	2024 Value
Salmo Baptist Church	430 Cady Road	100%	\$455
Salmo Community Memorial Church	304 Main Street	100%	\$260
Roman Catholic Bishop of Nelson	402 Baker Avenue	100%	\$270

II. - Properties held by athletic or service club or association and used as public park or recreation [CC s. 224(2)(i)]

Recreation Club/Association	Civic Address	Exemption requested	2024 Value (municipal portion only)
Salmo Valley Curling and Rink Association	1003 Glendale Avenue	100%	\$4,010
Salmo Valley Youth and Community Centre	206 7 th Street	100%	\$21,804

III. - Properties owned or held by charitable, philanthropic or not for profit [CC s. 224(2)(a)]

Not for Profit	Civic Address	Exemption Requested	2024 Value
Salmo Community Services	311 Railway Avenue	100%	\$1,729
Salmo Square Society	104 4 th Street	100%	\$1,747
Salmo Royal Canadian Legion	303 4 th Street	100% -Class 8 Only	\$1,046
Salmo & Area Supportive Housing Society	730 Railway Avenue	100%	\$1,722
Salmo Senior Citizens Housing Society	517 Davies Avenue	100%	\$2,526

PERMISSIVE TAX EXEMPTION POLICY F-010:

In order to provide guidelines for permissive tax exemptions to ensure they are considered in a fair and transparent manner, the Permissive Tax Exemption Policy F-010 was passed by Council on March 3, 2016 (revised on February 14, 2023) clearly outlining the requirements of applicants. All the applicants above have met the requirements.

IMPLICATIONS:

Property tax exemptions have an impact on Village finances. Exemptions reduce the total assessed value of properties subject to taxation. Total permissive tax exemptions for 2025, if this bylaw is passed, would be **\$36,279** in **direct municipal taxes** which the Village recovers through taxation on other properties.

Permissive Tax exemptions apply to all other taxing jurisdictions in addition to municipal taxation (ie Regional District, Hospital, School taxes, etc).

Staff will discuss the impact of and options for Permissive Tax Exemptions at the August 27th council meeting.

ALTERNATIVES:

1. **Continue as planned last year (Approve all PTE applications for one year at 100% except the Salmo and Area Supportive Housing Society which would be approved for one year at 50% exemption).**
2. Approve all PTE applications for 100% exemption for a period of one year;
3. Do not approve exemptions for the organizations who did not submit applications prior to the deadline.
4. Approve the PTE application at a different rate and/or time period to be determined;
5. Refer the matter back to staff for further review and report (note time sensitive).

IMPLEMENTATION/COMMUNICATIONS:

As per the *Community Charter*, a tax exemption bylaw must be adopted by October 31st in the year prior to the year in which the exemption is to be effective. Statutory notice of the proposed exemption bylaw pursuant to Section 227 of the Charter are to be published for two consecutive weeks prior to final adoption.

Links to Attachments:

- 1) Link to Section 224 Community Charter – Permissive Tax Exemptions - [here](#)
- 2) Village of Salmo Policy #F-010 - [here](#)



Corporate Policy Guide

Permissive Tax Exemption Policy

Section:	Finance		
Policy Number:	F-010		
Authorized by:	Council		
Effective Date:	March 8, 2016	Revision Date:	February 14, 2023

1. Background

1.1 Council may, under Section 224 of the *Community Charter* (British Columbia), exempt certain land or improvements in the Village of Salmo from municipal property taxes, including:

- (a) properties owned or held by charitable, philanthropic, or other not for profit organizations; and
- (b) some properties which are additional to statutory exemptions under Section 220, such as church halls or land surrounding places for public worship.

1.2 Similar provisions in other taxing authority legislation extends the Exemption to those levies. Exemptions are similar in effect to a grant so should be considered in context of the budget and financial plan.

1.3 Exemption approvals are at the discretion of Council, but Exemptions cannot be granted if an Applicant does not qualify under the *Community Charter* (British Columbia).

2. Objective

The Council of the Village of Salmo wishes to identify services and organizations which are complementary extensions of municipal services and that provide a demonstrable benefit to Village residents, and to provide Exemptions to Applicants providing such services in accordance with this policy.

3. Policy

3.1 It is the policy of the Council of the Village of Salmo to consider applications for Exemptions from Applicants in accordance with the *Community Charter* and the principles and process set out in this policy. Exemptions approved under this policy are a reasonable allocation of budgetary resources, considering Council's other social and budgetary priorities, and are a justifiable expense to the citizens of the Village of Salmo.

3.2 This policy supports the provision of services that Council considers necessary.

4. Roles and Responsibilities

4.1 Council is responsible for:

- (a) approving this policy;
- (b) considering qualifying Exemption applications for approval; and
- (c) approving the annual tax exemption bylaw.



- 4.2 The Chief Administrative Officer is responsible for:
- (a) receiving and processing Exemption applications;
 - (b) reviewing Exemption applications and forecasting the effect of the Exemption on Village tax revenue; and
 - (c) making recommendations for consideration by Council.

5. **Definitions:**

The following definitions apply to this policy:

- (a) **"Applicant"** means:
 - i. a registered not for profit organization; or
 - ii. an organization providing services under a partnering agreement with the Village, that is:
 - iii. located in the Village of Salmo;
 - iv. in a Qualifying Category; and
 - v. is seeking an Exemption;
- (b) **"Exemption"** means a permissive tax exemption under Section 224 of the *Community Charter*;
- (c) **"Property"** means the land and improvements for which an Exemption is sought;
- (d) **"Qualifying Category"** means those categories described in Schedule A; and
- (e) **"Village" or "Village of Salmo"** means The Corporation of the Village of Salmo.

6. **Application Process**

- 6.1 Applications must be received by June 30 in each year for the following taxation year. Applications that are incomplete or received after the deadline will not be considered.
- 6.2 Applicants must include in their application, in the form attached as Schedule B:
- (a) the basis for the requested Exemption under the *Community Charter*;
 - (b) the principal use of the Property;
 - (c) benefits to the residents of the Village of Salmo and alignment with municipal services;
 - (d) description of programs, services and benefits delivered from the Property including participant numbers, benefiting populations, user fees, etc.;
 - (e) description of any third-party use of the Property including user group names, fees charged, and conditions of use;
 - (f) a list of the representatives and Board members of the Applicant;
 - (g) financial statements of the Applicant for the past three years (the Village may require that they be audited, in its discretion); and
 - (h) any other information requested by the Village.



- 6.3 Applicants:
- (a) should be seen to be working toward self-sufficiency by seeking alternative funding sources; and
 - (b) must be in compliance with all applicable municipal policies, bylaws and legislation.

7. Review and Approval Process

7.1 The Exemption must demonstrate benefit to the community and residents of the Village of Salmo by enhancing the quality of life economically, socially or culturally within the Village. The goals, policies and principles of the Applicant must not be inconsistent or in conflict with those of the Village.

7.2 Applications will be considered by Council in conjunction with:

- (a) other assistance being provided by the Village;
- (b) the potential demands for Village services or infrastructure arising from the Property; and
- (c) the amount of revenue that the Village will forego if the Exemption is granted.

7.3 Partial Exemptions, and Exemptions for between one and ten years, may be granted.

Revision History

Approved at meeting #05-16 on March 8, 2016

Approved at meeting on February 14, 2023, Resolution #R4-03-23



Schedule A

Qualifying Categories

1. **Supportive Housing** – short term emergency or crisis protection for members of the community, supportive housing for people with special needs, halfway houses, transitional homes or group homes with supportive staff and programs.
2. **Social Services** – provide social support services and programs for members of the community.
3. **Arts and Culture** – prepare and deliver artistic and cultural events or exhibits to the community.
4. **Athletics and Recreation** – provide space and equipment for the physical and mental enjoyment of the community.
5. **Places of Worship** –
 - a. facilities for public worship occupied by a religious organization as a tenant; and
 - b. land surrounding places for public worship; church halls and land surrounding them, or other property attached and deemed necessary.
6. **Affordable Rental Housing** – specific projects reviewed by Council will be considered for exemption upon completion. The exemptions will be for a period not to exceed 10 years in length.



Schedule B

Permissive Tax Exemption Application Form

Name of Applicant:	
Operating Name (if different than above):	
Contact Information:	
Address and legal description of the Property:	
Date (must be received by June 30 in each year):	

1. The basis for the requested Exemption under the *Community Charter*:

2. The principal use of the Property:

3. Benefits to the residents of the Village of Salmo and alignment with municipal services:



4. Description of programs, services and benefits delivered from the Property including participant numbers, benefiting populations, user fees, etc.:

5. Description of any third-party use of the Property including user group names, fees charged, and conditions of use:

6. List of the representatives and Board members of the Applicant:

7. Financial statements of the Applicant for the past three years (attached).





REPORT TO COUNCIL

DATE: August 22, 2024

SUBMITTED BY: Linda Tynan, Interim Chief Administrative Officer

SUBJECT: Source Water Protection Plan

RECOMMENDATION:

That council pass the following resolution:

THAT the Source Water Protection Plan prepared by Waterline Resources Inc. and dated August 21, 2024 be received for information and FURTHER, that a Committee of the Whole meeting be scheduled in the fall of 2024 for a comprehensive discussion of the findings, impacts and next steps.

PURPOSE:

To receive the Source Water Protection Plan prepared by Waterline Resources and to provide direction on next steps.

BACKGROUND:

The Village of Salmo has a Permit to Operate the system that provides water to Salmo properties. One of the conditions on the Operating Permit (issued by IHA) is the requirement to satisfy Section 18(2)(a) of the *Drinking Water Protection Act*. This requirement is the development of a Source Water Protection Plan (SWPP).

The SWPP is intended to identify risks to the aquifer and recommend a variety of management strategies to help protect the aquifer and the water supply wells.

ANALYSIS:

The SWPP will be a useful document to reference as council develops a plan to increase the protection of the water supply as well as to address outstanding infrastructure

On July 29th, the Interior Health Specialty Environmental Health Officer (Water) met with Village staff in Salmo to discuss the Water utility including a number of matters related to its operation. It was noted that investment in infrastructure repair/replacement has been minimal over the past number of years, and that there are initiatives such as the development of a robust Emergency Response Plan (including the potential for emergency response chlorinator) and the formulation of a strategy to address matters raised in this SWPP that should be moving forward.

Staff has suggested that a Committee of the Whole meeting (COTW) be scheduled for Fall 2024 for the purpose of a comprehensive discussion of the findings in the SWPP and the development of a plan for next steps. The IH Specialty Environmental Health Officer (Water) offered to attend a council meeting such as the COTW to discuss how IH impacts the decision that council makes regarding the Water Utility. By scheduling a COTW meeting in the Fall, council will have time to thoroughly read through the attached report.

OPTIONS:

1. Receive the report for information and schedule a COTW meeting to discuss the report in detail in

conjunction with planning for the water utility.

2. Refer the report back to the consultant for further clarification.
3. Make recommendations regarding next steps at this meeting rather than scheduling a COTW for discussion (NOT RECOMMENDED)
4. Refer the matter back to staff for further review and report.

IMPLEMENTATION/COMMUNICATIONS:

**SOURCE WATER PROTECTION PLAN, REVISION 1
VILLAGE OF SALMO, BRITISH COLUMBIA**

Submitted To:



Village of Salmo
423 Davies Street
Salmo, British Columbia
V0G 1Z0

Submitted By:

Waterline Resources Inc.
Nanaimo, British Columbia
August 21, 2024
2640-24-001



TABLE OF CONTENTS

	PAGE
TABLE OF CONTENTS	ii
1.0 INTRODUCTION.....	1
1.1 Background	1
1.2 Regulatory Considerations.....	2
1.2.1 Source Water Protection Plan.....	2
1.2.2 Groundwater at Risk of Containing Pathogens.....	2
1.2.3 BC Water Sustainability Act.....	3
1.3 Objectives and Scope of Work.....	3
2.0 CHARACTERIZATION OF DRINKING WATER SOURCES (MODULE 1).....	4
2.1 Site Setting	4
2.2 Hydrogeology	4
2.3 Water Supply Wells.....	5
2.3.1 Well Completion and Conformance with Regulatory Standards.....	5
2.4 Water Demand	6
2.5 Groundwater Quality	7
2.5.1 Water Quality Results From Salmo's Water Supply Wells	7
2.5.2 Water Quality Results from Salmo's Water System	8
2.6 Aquifer Evaluation.....	9
2.6.1 Conceptual Hydrogeologic Model	9
2.6.2 Aquifer Parameter Estimates	10
2.6.3 Capture Zone Assessment	11
2.6.4 Aquifer Vulnerability Assessment	13
2.7 Groundwater at Risk of Containing Pathogens (GARP).....	13
3.0 CONTAMINANT INVENTORY & RISK CHARACTERIZATION (MODULE 2 & 7).....	15
3.1 Land Use and Utilities	15
3.2 Inventory of Potential Hazards.....	15
3.2.1 Contaminated Site Registry	16
3.2.2 Waste Management Database	17
3.3 Source Water Risk Assessment	17
3.3.1 Risk Ranking.....	19
4.0 ACTIONS TO IMPROVE DRINKING WATER PROTECTION (MODULE 8)	20
4.1 Groundwater Management Action Plan.....	20
4.1.1 Groundwater Level and Production Monitoring	21
4.1.2 Surface Water Level Monitoring.....	21
4.1.3 Water Quality Monitoring	21
4.1.4 Monitoring Well Installations	22
4.1.5 Emergency Response Planning.....	22
4.2 Groundwater Protection	23
4.2.1 Community Involvement and Awareness	23
4.2.2 Other Regulatory Controls	24
4.2.3 SWPP Review and Update	24
5.0 CONCLUSIONS AND RECOMMENDATIONS	25
6.0 CERTIFICATION	27



7.0 REFERENCES..... 28
8.0 LIMITATIONS AND USE..... 30

LIST OF TABLES (IN-TEXT)

	PAGE
Table 1: CS2TA Requirements	2
Table 2: Summary of Mapped Aquifer near the Village of Salmo.....	4
Table 3: Salmo Water Supply Wells Information	5
Table 4: Overview of Sayward and Glendale Wells Conformance with Regulatory Standards	6
Table 5: Salmo's Water Demand Estimates	6
Table 6: Water Distribution System - GCDWQ MAC Exceedances	9
Table 7: Calculated Half Widths for the Water Supply Well Groundwater Flow Paths.....	11
Table 8: Downgradient Limits for the Water Supply Well Capture Zones	12
Table 9: Capture Zone Assessment for the Water Supply Wells.....	12
Table 10: Aquifer Classification.....	13
Table 11: GARP Hazard Screening for Groundwater Supplied By Salmo's Water Supply Wells	14
Table 12: Potential Hazards to Groundwater.....	16
Table 13: Likelihood of Occurrence	18
Table 14: Magnitude of Consequence	18
Table 15: Risk Assessment Matrix.....	18
Table 16: Risk Assessment Results	19
Table 17: Risk Management Actions and Implementation	20
Table 18: Proposed Water Quality Parameters	22

LIST OF FIGURES

- Figure 1: Location Plan
- Figure 2: Water Supply Well Locations and Mapped Aquifers
- Figure 3: Hydrogeologic Cross-Section A-A'
- Figure 4: Hydrogeologic Cross-Section B-B'
- Figure 5: Water Supply Well Capture Zones and Estimated Groundwater Travel Time

LIST OF APPENDICES

- Appendix A Permit to Operate Water System
- Appendix B Area Maps
- Appendix C Well Logs
- Appendix D Conditional Water Licence
- Appendix E Well Photos
- Appendix F Water Quality Results
- Appendix G BC Registered Contaminated Sites



1.0 INTRODUCTION

1.1 Background

The Village of Salmo (Salmo) is a community located in the central Kootenay region, in southeastern British Columbia (BC), within the territory of the Sinixt and Ktanaxa peoples. Salmo is located approximately 34 kilometres (km) south of Nelson, BC, and 22 km north of the Canada/United States (US) border (Figure 1). Based on 2016 census data, Salmo has a population of 1,141.

Salmo is currently diverting groundwater from two water supply wells identified in this report as the Glendale Well (Golder, 2005) and Sayward Well (Golder, 2008). The Glendale Well is located at the community recreation complex on Glendale Avenue and the Sayward Well is located on the west side of the community-owned Knights of Pythias Park, northeast of the intersection of 3rd Street and Sayward Avenue. Water from the wells is conveyed to a 380 cubic metre (m³; 100,000 US gallons) closed reservoir for storage to meet demand during peak periods (Golder, 2005). The reservoir is located approximately 570 metres (m) northwest of the Sayward Well (Figure 1).

Salmo has a valid Permit to Operate from Interior Health (IH), for a water system with 301 to 10,000 connections (Appendix A). Section 5 (2) of the Drinking Water Protection Regulation (BC Government, 2018) indicates that water from a drinking water supply system must be disinfected by a water supplier if the water originates from groundwater, that in the opinion of the drinking water officer, is at a risk of containing pathogens. Currently, Salmo's drinking water system is untreated.

As the water supply wells produce high quality groundwater, proactive measures have been taken to protect the groundwater supply. As per Section 488 of the *Local Government Act* (BC Government, 2024a), Salmo has created an Aquifer Protection Development Permit Area within the municipal boundary (Appendix B), enforced under Salmo's Official Community Plan Bylaw 687 (Salmo, 2020). Salmo is also working with the Regional District of Central Kootenay, provincial ministries, property owners, and the private sector to prevent negative impacts on Salmo's aquifer from land use and development in the surrounding areas (Salmo, 2020).

Salmo retained Waterline Resources Inc. (Waterline) to develop a Source Water Protection Plan (SWPP) to satisfy Section 18 (2) (a)¹ of the *Drinking Water Protection Act* (BC Government, 2024b), as outlined by IH under Condition 1 of the Permit to Operate (Appendix A). The SWPP is intended to identify risks to the aquifer and recommend a variety of management strategies to help protect the aquifer and the water supply wells.

¹ The purpose of an assessment is to identify, inventory, and assess the drinking water source for the water supply system, including land use and other activities and conditions that may affect that source.

1.2 Regulatory Considerations

1.2.1 Source Water Protection Plan

The Ministry of Health, Leisure, and Sport (MHLS) Comprehensive Drinking Water Source-to-Tap Assessment (CS2TA) satisfies the requirements of a water source or system assessment that can be ordered by a drinking water officer when risks to a water system are identified (MHLS, 2010). The CS2TA serves as a tool for Salmo to develop a more comprehensive understanding of the measures that can be taken to ensure safety and security of their water supply.

As part of the SWPP, IH has instructed Salmo to complete several modules of the CS2TA for the Glendale and Sayward Wells, suitable for the size of their water system. These modules are listed in Table 1 below.

Table 1: CS2TA Requirements

Module	Glendale Well	Sayward Well
1) Delineate and characterize drinking water source(s)	X	X
2) Conduct contaminant source inventory	X	X
7) Characterize risks from source to tap	X	X
8) Recommend actions to improve drinking water protection	X	X

Notes: MHLS, 2010.

1.2.2 Groundwater at Risk of Containing Pathogens

Surface water contaminants such as pathogenic bacteria can be of concern to a community water supply, particularly when aquifers are found to be in direct hydraulic communication with the ground surface. Salmo is also required to complete a Groundwater at Risk of Containing Pathogens (GARP) preliminary Stage 1 Hazard Screening and Assessment in accordance with the latest Guidance Document for Determining GARP (Version 3), published by the Ministry of Health (MoH, 2017). The GARP guidance document identifies four main hazard categories to be considered in the assessment that, if present, could increase the risk to groundwater. Within the categories there are 13 equally weighted hazards that require consideration when determining whether the water supply is at risk of containing pathogens.

The GARP guidance document states that if none of the indicated hazards are identified during the Stage 1 screening level assessment, the water source is “at low risk” of containing pathogens. If one or more of the hazards are present, further assessment is needed.

In addition to the GARP guidance document, the Engineers, and Geoscientists British Columbia (EGBC) Professional Practice Guidelines for the Assessment of GARP (EGBC, 2019) outlines the appropriate standard of practice to be followed during the assessment, including the responsibilities of Salmo, the professional of record, and the approving authority.

1.2.3 BC Water Sustainability Act

The BC *Water Sustainability Act* (WSA) and associated regulations came into effect on February 29, 2016 (BC Government, 2024c). The WSA is intended to regulate and protect groundwater and surface water resources. The WSA requires licensing of non-domestic groundwater use in BC. Use of a groundwater source for supplying communities must be licensed under the WSA.

Under the WSA, Salmo was required to submit an Existing Groundwater Use Licence application for groundwater use from the Sayward and Glendale Wells prior to the February 2022 deadline. The application for an Existing Groundwater Use Licence allows the applicant to continue beneficially using groundwater for the same purpose(s) and volume(s) that was used prior to the enactment of the WSA in 2016, until the BC Ministry of Water, Land and Resource Stewardship (WLRS) adjudicates the application.

1.3 Objectives and Scope of Work

The objective of Waterline's study was to provide Salmo with a SWPP to help protect the Village's water source, including the water supply wells and the aquifer. Waterline completed the following scope of work to develop the SWPP:

- Worked with Salmo's water technician, who conducted an initial site visit to collect the required hydrogeologic information related to the groundwater source, and Salmo's land use planning team to collect municipal information related to the Village's zoning and land use types;
- Reviewed and compiled available information on the site setting, hydrogeology, water supply, water use and water quality;
- Defined the well capture zone and well protection area for the Sayward Well based on a review of available hydrogeologic information from previous reporting, including the well log, historical pumping test results and aquifer mapping;
- Defined the well capture zone and well protection area for the Glendale Well based on a review of available hydrogeologic information from previous reporting, including the well log, historical pumping test results and aquifer mapping efforts;
- Completed a Stage 1 GARP Hazard Screening and Assessment for the water supply wells;
- Identified potential hazards to groundwater quality and quantity based on existing and proposed land use activities, historical contaminated sites, and input from Salmo;
- Developed a management plan to address groundwater hazards;
- Developed a groundwater monitoring program that will allow the community to detect changes in groundwater quality, well performance, and aquifer performance; and,
- Prepared a report outlining the SWPP.

2.0 CHARACTERIZATION OF DRINKING WATER SOURCES (MODULE 1)

2.1 Site Setting

Salmo is situated within a narrow, north-south trending valley that is relatively flat and is bounded by the Selkirk Mountains that rise to the east and west (Golder, 2005). Erie Creek runs through the community from the northwest, draining the Erie Creek watershed into the Salmo River just outside of Salmo's eastern municipal boundary (Figure 1). The Salmo River watershed is part of the larger Columbia River basin.

Floodplain mapping for the 1:200-year flooding event for the Salmo River, completed by the Ministry of Environment (ENV) in the 1990's, suggests that most of Salmo is situated within the designated floodplain limits (see map in Appendix B). A topographical high at the center of the Village, including parts of the community north of Highway 3, which are also situated at higher elevations, are mapped as being above the floodplain.

2.2 Hydrogeology

ENV has mapped three aquifers around Salmo (Aquifers 496, 497, and 498), all of which are delineated in the provincial groundwater wells and aquifer mapping database (GWELLS; ENV, 2024; Figure 2). Table 2 lists details of the mapped aquifers in proximity to Salmo.

Table 2: Summary of Mapped Aquifer near the Village of Salmo

Aquifer Number	Aquifer Name	Aquifer Type	Aquifer Material	Vulnerability	Productivity	Comments
496	Salmo River	Unconfined	Sand and Gravel – Fluvial and Glaciofluvial	High	Moderate	15 correlated wells
497	Erie1, Salmo	Confined	Sand and Gravel - Glaciofluvial	Moderate	High	8 correlated wells
498	Erie2, Salmo		Sand and Gravel – Alluvial Fan		Moderate	2 correlated wells

Despite not being correlated with a mapped aquifer in the provincial database (ENV, 2024), the Sayward and Glendale Wells are believed to be associated with Aquifer 496, the largest mapped aquifer within the Salmo area. Additional information on Aquifer 496 includes:

- It has a footprint of approximately 15 square kilometres (km²) and is located within the Salmo River and Erie Creek floodplains (Figure 2).
- Aquifer 496 is a two-layer unconfined aquifer, comprised of post-glacial fluvial sediments underlain by reworked and undisturbed glaciofluvial deposits.
- Based on lithology records reviewed, the sediments are differentiated between sandy/clayey gravel deposits and underlying sandy deposits. Semi-confined conditions may exist in some areas where clay lenses are present.

- Groundwater depths range between 1 to 17 metres below ground level (mbgl). Shallower portions of Aquifer 496 are likely hydraulically connected to surface water (nearby creeks and rivers), which could influence aquifer recharge during certain times of the year.

2.3 Water Supply Wells

Salmo's water supply well locations are shown on Figure 2. Well construction details are summarized in Table 3 and the well logs for the Sayward and Glendale Wells are provided for reference in Appendix C.

Table 3: Salmo Water Supply Wells Information

Well Name	Sayward Well	Glendale Well
BC Well Tag #	117160	117158
BC Well Identification Plate #	61715	61714
Construction Date	September 27, 2007	January 01, 1997
WSA Water Use Licence approved (Yes/No)	Yes	Yes
Easting (UTM Zone 11)	479969	480033
Northing (UTM Zone 11)	5449198	5448176
Ground Elevation (masl) ¹	661	657
Casing Diameter (mm)	250	200
Stick-up (magl)	0.6	0.8 ²
Screen Interval (mbgl)	39.1-54.4	36.8-46.0
Well Depth (mbgl)	51.4	46.0
Aquifer Name (Number)	Salmo Aquifer (Aquifer 496)	
Aquifer Type	Unconfined	
Groundwater Level from Well Drilling (mbgl)	2.4	4.0
Available Drawdown (m) ³	36.7	32.8
Original Sustainable Well Yield Estimate (L/s) ⁴	41.3	32.8

Notes: **masl** means metres above sea level; **magl** means metres above ground level; **mbgl** means metres below ground level; **m³/day** means cubic metres per day; **L/s** means liters per second. ¹Canadian Digital Elevation Model (1:50,000 Scale); ²information provided by Salmo's water technician; ³available Drawdown indicates the distance from the non-pumping water level to the top of the well screens; ⁴the listed well yields were obtained from the Golder reports (2005, 2008).

The Sayward and Glendale Wells are registered in GWELLS, and they are licensed for 'Waterworks; local provider' use under Conditional Use Licence No. 502393, which was issued by the Province on April 19, 2024 (Appendix D).

It should be noted that the original sustainable well yield estimates were assessed from well testing completed following well drilling and were not re-assessed based on current environmental conditions, nor do they consider possible well interference from simultaneous pumping. Changes in groundwater conditions may have occurred since well construction, due to increased demands from new or existing water users within the local watershed region or changes to recharge conditions and/or changes to well efficiency due to potential well deterioration.

2.3.1 Well Completion and Conformance with Regulatory Standards

The well completion details for the Sayward and Glendale Wells, including recent photographs of the wellhead configuration (Photograph E1 to E3; Appendix E) were compared with regulatory

standards listed in the Groundwater Protection Regulation (GWPR; BC Government, 2022). The results of the assessment are summarized below in Table 4.

Table 4: Overview of Sayward and Glendale Wells Conformance with Regulatory Standards

Requirement	Meets Requirement?	
	Sayward Well	Glendale Well
The well casing extends greater than 0.3 m above ground level	Yes	Yes
The ground around is properly sloped to avoid pooling around the well casing	Yes	Yes
The well is capped and locked	Yes	Yes
There is a well seal installed around the well casing	Yes	No
The well has a well identification number	No	Yes

Notes: m means metre.

The Sayward and Glendale Wells are both located within fenced enclosures near their respective pumphouses. A proper well seal was not identified for the Glendale Well. It should be noted that best practices for Well Pumps and Related Works (Part 5) and Well Operation and Maintenance (Part 7), listed in the GWPR, were not evaluated as part of the well completion review.

2.4 Water Demand

Salmo's water demand has been assessed by several consultants since 2005. A summary of these assessments and their findings are provided below and in Table 5.

Table 5: Salmo's Water Demand Estimates

Data Year(s) – Consultant	ADD (m ³ /day; L/s)	MDD (m ³ /day; L/s)	PHD (m ³ /day; L/s)	Annual Total (m ³ /yr)
2003-2004 – USL ¹	1,022 (11.8)	2,839 (32.9)	4,259 (49.3)	373,030
2004 – Golder ²	-	-	-	290,000
2023 – Waterline	1,364 (15.8)	2,189 (25.3)*	-	500,000

Notes: ADD means average day demand; MDD means maximum day demand; PHD means peak hour demand; m³/day means cubic metres per day; L/s means litres per second; m³/yr means cubic metres per year; ¹USL, 2005; ²Golder, 2005; *2023 MDD recorded on August 3, 2023, but the highest usage month was July 2023 with an ADD of 2,004 m³ for the month.

Further details of the water use assessments are listed below:

- A water conservation and drought management study was prepared by Urban Systems Ltd. (USL) in 2005 (USL, 2005). Water use data from 2003-2004 was used to estimate the Village's average day demand (ADD), maximum day demand (MDD), peak hour demand (PHD), and the total annual volume used for 2004 (Table 5).
- A community water wells management strategy was prepared by Golder Associates Ltd. (Golder) in 2005 (Golder, 2005). Available reservoir lift station flow data was used to estimate a total use volume for 2004 (Table 5). Golder's assessment of water use was more conservative, as they did not consider system leaks from the distribution system.
- As part of the SWPP revision, Waterline completed a review of Salmo's 2023 pumping records to determine the Village's ADD, MDD, and the total annual volume used in 2023

(Table 5). Waterline believes these usage values are more realistic than previously estimated values, as the water supply wells are now equipped with dedicated flow meters.

Salmo's installed well capacity (74.1 L/s or 6,402 m³/day; Table 3) from the Sayward and Glendale Wells, based on the estimates determined after well drilling and excluding well interference, can meet the current water demand of the Village.

2.5 Groundwater Quality

A summary of the groundwater quality results from the Sayward and Glendale Wells (raw water samples) and the water supply system, are presented in Appendix F, Tables F1 – F3. All water samples collected during the various testing programs were compared to the Guidelines for Canadian Drinking Water Quality (GCDWQ; Health Canada, 2022). The GCDWQ set standards based on aesthetic objectives (AO) and on maximum acceptable concentrations (MAC). Key findings from the water quality results assessment are summarized below.

2.5.1 Water Quality Results From Salmo's Water Supply Wells

Comprehensive water quality testing for the Sayward Well was completed in 2007 by Golder (Golder, 2008) and the sampling results were transcribed into tables by Waterline. Sample parameters included:

- Physical tests (colour, conductivity, pH, turbidity, total dissolved solids, and total hardness);
- Anion scan (alkalinity as CaCO₃, chloride, fluoride, sulphate, and sulphide);
- Nutrients (ammonia as N, total kjeldahl nitrogen (TKN), nitrate and nitrite as N, organic nitrogen (TKN + ammonia), total nitrogen, and ortho-phosphate as P);
- Total cyanide, total organic carbon, and dissolved organic carbon;
- Total and dissolved metals;
- Radiological parameters (gross alpha and gross beta); and
- Bacteriological parameters (total coliforms and *Escherichia coli* (*E. coli*)).

Additional testing of the Sayward and Glendale Wells was completed in 2015 by Salmo and the data was also transcribed into tables by Waterline. The 2015 analytical suite included physical tests, major ions and nutrients, total cyanide, and total metals.

Testing of the Sayward and Glendale Wells suggests that the aquifer provides high quality groundwater. The following notable observations were made about the groundwater quality sampled from the water supply wells:

- All sampled parameters were under GCDWQ MAC (Tables E1 – E3).
- Turbidity results from both the Sayward and Glendale Wells ranged from 0.1 to 0.6 Nephelometric Turbidity Units (NTU; Table E1). Turbidity exceeded the GCDWQ AO of 0.1, which is the standard for treated water. However, the GCDWQ stipulates that to ensure effectiveness of disinfection and for good operation of the distribution system, it is recommended that water entering the distribution system have turbidity levels of <1.0 NTU.

For systems that use groundwater, turbidity should generally be <1.0 NTU (Health Canada, 2022).

- The groundwater colour from both the Sayward and Glendale Wells was below the laboratory detection limit of 5 True Color Units (TCU) in both 2007 and 2015 (Table E1).
- Groundwater from Salmo's water supply wells is considered "soft", with:
 - Hardness concentrations ranging between 88 – 116 milligrams per liter (mg/L; Table E1), and
 - Relatively low total dissolved solids (TDS) concentrations, ranging between 100 – 139 mg/L (Table E1).
- Heavy metals such as total arsenic, lead, and mercury were below laboratory detection limits (Table E2).
- Only one microbiological sample has been collected from the water source wells, collected from the Sayward Well in 2007 (Table E3); total coliforms and *E. coli* were both non-detect.
- For samples collected from the Sayward Well in 2007 and 2015, the groundwater quality has stayed consistent over the 8-year period (Table E1 and E2).

2.5.2 Water Quality Results from Salmo's Water System

To help assess the water quality of the water distribution system and to satisfy Condition 3 of Salmo's operating permit (Appendix A), water samples are collected from one of the five water distribution system sampling locations on a weekly basis and analyzed for total coliforms and *E. coli*. The five different sample locations (Figure 2) are purposely situated at large distances from the wellheads to characterize water with the longest travel time within the water distribution network. The current sample locations include the following (Figure 2):

- Site 1: Village Office,
- Site 2: Village Shop,
- Site 3: Knights of Pythias (KP) Washroom,
- Site 4: Salmo Valley Youth & Community Centre (SCYCC), and
- Site 5: Motel Avenue.

Two sampling locations were 'deactivated' and re-established at new locations in 2021; Site 3: Sal-Crest Motel is now KP Washrooms, and Site 5: Reno Motel is now Motel Avenue (Figure 2).

The weekly water quality monitoring results from 2016 to 2024 are summarized in Table E3. Waterline was not involved in the collection, transportation, or quality control of the water samples collected from Salmo's water distribution system. All samples were collected and submitted to the lab by Salmo representatives. The summarized water quality results were emailed to Waterline by Salmo representatives. Exceedances of the GCDWQ MAC for samples collected between 2016 to 2024 are listed below in Table 6.

Table 6: Water Distribution System - GCDWQ MAC Exceedances

Sample Location	Sample Date	Total Coliforms ¹ (MPN/100mL)
Site 5: Reno Motel	2016-02-23	1
Site 3: Sal-Crest Motel	2017-06-12	1
Site 2: Village Shop	2018-09-18	3
Site 5: Reno Motel	2020-09-22	1
Site 4: SVYCC	2021-01-26	1

Notes: MPN/100mL means most probable number per 100 millilitres; ¹The GCDWQ MAC for total coliforms is 0 (zero).

The following comments were provided by Salmo’s acting CAO (pers. comm., April 29, 2024) to describe the exceedances observed from the weekly sampling program:

- February 23, 2016, Site 5 exceedance – A boil water advisory was issued. The sample port was flushed and re-tested thereafter for two weeks. The boil water advisory was lifted once samples came back negative for total coliforms.
- June 12, 2017, Site 3 exceedance – A boil water advisory was issued. The water was immediately re-tested and tested daily thereafter for two weeks. The boil water advisory was lifted once samples came back negative for total coliforms. The reason for the positive test result was determined to be from a poor connection between two pipes that were no longer in use. The connection has been repaired and the pipes removed.
- September 9, 2018, Site 2 exceedance – The site was re-tested upon notification of the exceedance and the results came back normal (less than 1). Re-testing was completed on September 20, 2018.
- September 22, 2020, Site 5 exceedance – The site was re-tested upon notification of the exceedance and the results came back normal (less than 1). Re-testing was completed on September 30, 2020.
- January 26, 2021, Site 4 exceedance – The site was re-tested upon notification of the exceedance and the results came back normal (less than 1). Re-testing was completed on February 2, 2021.
- Laboratory results that were less than detection limits and greater than the applied guidelines are not shown as exceedances.

2.6 Aquifer Evaluation

2.6.1 Conceptual Hydrogeologic Model

To provide an understanding of how water cycles through the aquifers, rivers, creeks, and streams in the Salmo Valley, a conceptual site model is useful. A north to south hydrogeological cross-section (A to A’; Figure 3) and a west to east hydrogeological cross-section (B- to B’; Figure 4) were created to illustrate Salmo’s water supply wells in relation to the local and regional groundwater flow system. Cross-section traces are outlined on Figure 2.

The following provides some important facts about groundwater flow in the Salmo area that help to provide a framework for the conceptual site model:



- All the water in Aquifer 496 used by Salmo originates in upgradient catchment areas of the Salmo River and Erie Creek. Runoff from snowmelt and rainfall contributes to the recharge in the aquifer.
- Both surface and groundwater systems are gravity driven. Water entering an aquifer, river, stream and/or creek flows southward under the force of gravity towards Salmo if it is not captured by a water user along its path. The flow rate is directly dependant on the gradient (i.e., topography), and for aquifers, also dependant on the permeability of geologic materials.
- Groundwater and surface water flow is constrained by the extent of the Salmo valley, which is approximately 2.3 km in width near the town center, narrowing to approximately 0.9 km to the south.
- The lithology and stratigraphy of the Salmo valley sediments suggests that glacial deposits were re-worked in places, likely during post-glacial fluvial events. This re-working resulted in the erosion of the confining till, except for some isolated silt and clay lenses (Figure 3 and Figure 4). The re-worked glacial and post-glacial sediments are up to 12 m thick and provide the groundwater supply for most of the domestic wells within the Salmo valley (Figure 3 and Figure 4).
- The underlying water bearing glaciofluvial sands, which provide Salmo's municipal water supply, increase in thickness towards the center of the valley, with unknown mapped depths (Figure 3 and Figure 4).
- The unconsolidated sediments are underlain by bedrock from the Lower Jurassic Rosslund Group (Sedimentary and Volcanic) in the central and western portions of Salmo, with the Cretaceous-age Anstey pluton to the east (Cui et. al., 2017). The bedrock is expected to provide minimal recharge to the aquifer system.
- Using the reported depth to bedrock in the Salmo area², the Glendale and Sayward Wells are likely completed in or near the thalweg of the valley (Figure 4). Based on the floodplain mapping by ENV, it appears that bedrock (Rosslund Group) is outcropping in the center of the Village near the Glendale Well, altering the groundwater flow pattern (Figure 5).

2.6.2 Aquifer Parameter Estimates

Hydraulic parameters for Aquifer 496 were assessed from the constant rate pump test completed at the Sayward Well in 2007 (Golder, 2008). A 24-hour constant rate test was completed on October 17 and 18, 2007. The discharge rate was 47.9 L/s (4,139 m³/day). The total available drawdown was approximately 30 m and the maximum drawdown observed during the test was 5 m. The drawdown stabilized after approximately 250 minutes of pumping. The well recovered in approximately 120 minutes after the pumping stopped. Waterline has assumed that the hydraulic parameters estimated from the Sayward Well aquifer test are relevant to the Glendale Well, given that both wells are screened in the same sandy material.

Based on the analysis of the aquifer test, the aquifer transmissivity (T) was estimated to be 3,000 m²/d (0.035 m²/s), and storativity (S) to be 0.017. The aquifer's hydraulic conductivity (K) was calculated to be 50 m/d (5.8 x 10⁻⁴ m/s) using T (3,000 m²/d) and an estimated aquifer

² On the west side of the Salmo valley, the depth to the bedrock sub-crop is approximately 18 m (Well Tag #74868). On the east side of the Salmo valley, the depth to the bedrock sub-crop is approximately 3 mbgl (Well Tag #113397).

thickness (b) of 61 m. These values are representative of a permeable sand aquifer (Freeze and Cherry, 1979). The hydraulic gradient (i) is estimated to be 0.005 m/m based on the water levels in the aquifer, the shallow topography of the valley and the gradient of the Salmo River in the catchment area upgradient of the Sayward Well.

2.6.3 Capture Zone Assessment

The well capture zone must be determined to provide the physical boundaries for the source water protection planning process. The capture zone defines the recharge area most vulnerable to contamination, whereby spills or other events occurring upgradient of the water supply wells could potentially be drawn into the aquifer and contaminate the water supply. Capture zone assessments have previously been completed for both the Glendale and the Sayward Wells, using the calculated fixed radius method, referenced in ENV's Well Protection Toolkit (2004) and detailed by Golder (2005, 2008).

Waterline has re-calculated the extent of both capture zones (Figure 5) using the sloped water table method referenced in Appendix 2.3 of Step 2 of the Well Protection Toolkit (ENV, 2004). This method provides a more representative capture zone assessment, as it considers groundwater flow directions, aquifer properties and pumping rates of each well. It should be noted that the sloped water table method is recommended for water systems with more than 100 connections.

Using the aquifer parameter estimates and long-term well yields from well testing (Golder, 2005 & 2008), the capture zone half widths for the Sayward and Glendale Wells were calculated using the following equation:

$$y = \frac{Q}{2000 T i}$$

Where: y = the capture zone half width (m)
 Q = pumping rate (L/s)
 T = aquifer transmissivity (m²/s)
 i = hydraulic gradient in the aquifer (m/m)

The calculated half widths of the flow paths for the Sayward and Glendale Wells are summarized below in Table 7.

Table 7: Calculated Half Widths for the Water Supply Well Groundwater Flow Paths

Well	Calculated Half Width (m)
Sayward	137
Glendale	94

Notes: m means metre.

Using the calculated half widths of the capture zones, the distances to the downgradient limits of the capture zones for the Sayward and Glendale Wells were calculated using the following equation:



$$X = \frac{Y}{\pi}$$

Where: x = distance to the capture zone boundary down-gradient of the pumping well (m)
 y = the capture zone half width (m)
 π = pi (3.14159)

The calculated downgradient distances of the capture zones for the Sayward and Glendale Wells are summarized below in Table 8.

Table 8: Downgradient Limits for the Water Supply Well Capture Zones

Well	Downgradient limit (m)
Sayward	44
Glendale	30

Notes: m means metre.

The distances for the upgradient capture zones of the Sayward and Glendale Wells were calculated using the following equation:

$$d_{TOT} = \frac{t K i}{n}$$

Where: d_{TOT} = the distance representing the one-, two- or five-year time of travel (m)
 t = specified time of travel (one, two, five years)
 K = aquifer hydraulic conductivity (m/yr)
 i = hydraulic gradient in the aquifer (m/m)
 n = aquifer porosity (0.3)

The extent of the upgradient capture zones for the 200-day, 1-year, 2-year and 5-year travel times, for the Sayward and Glendale Wells are summarized below in Table 9 and shown on Figure 5.

Table 9: Capture Zone Assessment for the Water Supply Wells

Method	Capture Zone	Upgradient Capture Zone Extent (m)	
		Sayward	Glendale
Analytical Equation	200-day	167	167
	1-year	304	304
	2-year	609	609
	5-year	1522	1522

Notes: m means metre.

The extent of the capture zone upgradient of each water supply well was terminated at the aquifer boundary where the unconsolidated sediments contact bedrock (Figure 5).

2.6.4 Aquifer Vulnerability Assessment

Vulnerability mapping is a method used by the Province of BC to communicate high-risk activities and vulnerable hydrogeologic conditions. Table 10 is a re-creation of the potential aquifer classification (WLAP, 2002).

Table 10: Aquifer Classification

Class	I (Heavy Development)	II (Moderate Development)	III (Light Development)
A	IA - heavily developed, high vulnerability aquifer	IIA - moderately developed, high vulnerability aquifer	IIIA - lightly developed, high vulnerability aquifer
B	IB - heavily developed, moderate vulnerability aquifer	IIB - moderately developed, moderate vulnerability aquifer	IIIB - lightly developed, moderate vulnerability aquifer
C	IC - heavily developed, low vulnerability aquifer	IIC - moderately developed, low vulnerability aquifer	IIIC - lightly developed, low vulnerability aquifer

Notes: Yellow Highlight is the rating given to Aquifer 496 (WLAP, 2002).

The BC aquifer classification system categorizes aquifers according to the:

1. Level of aquifer development. Aquifer development is assessed based on the water balance of supply vs. water demand. If such assessment has not been completed, aquifer development can also be rated based on the number of registered groundwater wells. A rating of "I" suggest the water demand is high as compared to the water availability, and
2. Level of aquifer vulnerability to surface contamination. Vulnerability is based on the hydrogeological properties of the aquifer and not the type of surface contamination present.

Using this system, ENV has classified Aquifer 496 as "IIIA", indicating that despite the light development, the vulnerability to surface contamination is high, due to the lack of, or discontinuous nature of, any confining layer above the water producing zone (unconfined aquifer; Figure 2). Also, the water table is shallow and near surface, and therefore more susceptible to potential surface activities given the short travel time through the unsaturated zone.

2.7 Groundwater at Risk of Containing Pathogens (GARP)

Waterline has evaluated the Glendale and Sayward Wells against the Stage 1 Hazard Screening level criteria; the results are summarized in Table 11.

Table 11: GARP Hazard Screening for Groundwater Supplied By Salmo's Water Supply Wells

Risk Factors and Criteria	Glendale Well			Sayward Well		
	Yes: Potentially at Risk	No: Low Risk	Comments	Yes: Potentially at Risk	No: Low Risk	Comments
Water Quality Results						
A-1: Exhibits recurring presence of total coliform bacteria, fecal coliform bacteria, or <i>E. coli</i> .	X		Microbiological samples have not been collected from the well.		X	Lab results for microbiological samples collected on October 18, 2007, from the well were below the lab detection limits for total coliforms and <i>E. coli</i> .
A-2: Has reported intermittent turbidity or has a history of consistent turbidity greater than 1 NTU.		X	Turbidity was reported to be 0.3 NTU on February 03, 2015 (most recent groundwater sample).		X	Turbidity was reported to be 0.6 NTU on February 03, 2015 (most recent groundwater sample).
Source Type and Location						
B-1: Situated inside setback distances from possible sources of contamination, as per Section 8 of the HHR ¹ .		X	There are no sources of contamination (e.g. storage tanks, roads) within 30 m; the distance to the nearest dwellings is 50 m to the north; Salmo's landfill is located 1.5 km to the northwest, though contamination would be unlikely because of the physical conformation.		X	There are no sources of contamination (e.g. storage tanks, roads) within 30 m; the distance to the nearest dwellings is 35 m to the northwest; Salmo's landfill is located 1.6 km to the southwest, though contamination would be unlikely because of the physical conformation.
B-2: Has an intake depth <15 m below ground surface that is located within a natural boundary of surface water or a flood prone area.		X	The well is screened from 36.8 to 46.0 mbgl (see Appendix C).		X	The well is screened from 39.1 - 51.4 mbgl (see Appendix C).
B-3: Has an intake depth between the high-water mark and surface water bottom (or < 15 m below the normal water level), and located within, or less than 150 m from the natural boundary of any surface water.		X	Intake depth (approximately 620 mbgl) is 40 m below approximate depth of the Salmo River (660 masl); Well is >150 m from any natural surface water boundary.		X	The top of well screen (approximately 622 mbgl) is 33 m below the approximate depth of the Salmo River (660 masl); Well is >150 m from any natural surface water boundary.
B-4: Located within 300 m of a source of probable enteric viral contamination without a barrier to viral transport.		X	Well is >300 m from Erie Creek and the Salmo River; municipal effluent is directed to the water treatment plant and all pipes are lined; there are no septic systems located upgradient of the well.		X	Well is >300 m from Erie Creek and the Salmo River; municipal effluent is directed to the water treatment plant and all pipes are lined; well is 220 m downgradient from the nearest septic system ² and outside the 200-day capture zone are
Well Construction						
C-1 Does not meet GWPR (Part 3, Division 3) for surface sealing.	X		Cannot verify; no well log or results from a well camera survey are available.		X	The well log indicates that there is a bentonite surface seal.
C-2: Does not meet GWPR (Part 4) for well caps and covers.		X	The well is capped and located behind a locked gate (Photograph E3, Appendix E).		X	The well is capped and located behind a locked gate (Photograph E1, Appendix E).
C-3: Does not meet DWPA or DWPR (Section 16 of the DWPA, Section 14 of the DWPR) for floodproofing.	X		It is unconfirmed if the well meets the GWPR surface sealing requirements, despite having the proper stick-up height. Therefore, entry from the surface could be possible; the well is located within the 200-year mapped floodplain area (Appendix B).		X	The well prevents contamination from the surface via proper surface sealing, stickup, and well covering criteria; the well is located within the 200-year mapped floodplain area (Appendix B).
C-4: Well does not meet GWPR (Division 5) for wellhead completion.		X	The well has a stickup of approximately 0.8 m; the well is located approximately 10 m from the pump house; the ground is slightly graded around the wellhead (Photograph E3, Appendix E).		X	The well has a stickup of approximately 0.6 m; the well is located approximately 4.5 m from the pump house; the ground is slightly graded around the wellhead (Photograph E1, Appendix E).
Aquifer Type and Setting						
D-1: Well with intake depth < 15 m below ground surface.		X	The well has a screen depth of 36.8 to 46.0 mbgl (see Appendix C).		X	The well has a screen depth of 39.1 to 51.4 mbgl (see Appendix C).
D-2: Is situated in a highly vulnerable, unconfined, unconsolidated, or fractured bedrock aquifer.	X		Aquifer 496 is an unconsolidated, unconfined aquifer that is considered highly vulnerable.	X		Aquifer 496 is an unconsolidated, unconfined aquifer that is considered highly vulnerable.
D-3: Well completed in a karst bedrock aquifer, regardless of depth.		X	Well is completed in sand/gravel (unconsolidated) aquifer.		X	Well is completed in sand/gravel (unconsolidated) aquifer.

Notes: NTU means Nephelometric Turbidity Unit; HHR means Health Hazards Regulation (ENV, 2020); GWPR means Ground Water Protection Regulation (BC Government, 2022); m means meters; masl means meters above sea level; mbgl means meters below ground level; magl means meters above ground level; DWPA means Drinking Water Protection Act (BC Government, 2024b); DWPR means Drinking Water Protection Regulation (BC Government, 2022). ¹HHR Section 8 (MoH, 2020): (a) 30 m from any probable source of contamination, (b) 6 m from any private dwelling, and (c) unless contamination of the well would be impossible because of the physical conformation, 120 m from any cemetery or dumping ground; ²personal communication with J. Brik (November 6, 2017).

Based on the criteria outlined in the Stage 1 screening level assessment, groundwater supplied from the Glendale and Sayward Wells is identified as being at risk because the wells are completed in a vulnerable aquifer. In addition, the Glendale Well does not meet some of the well construction standards listed in the GWPR. Microbiological samples have not been collected from the Glendale Well to assess the raw groundwater quality before it enters the water distribution system.

Although Salmo has taken actions to reduce risks from GARP by implementing regular wellhead inspections by the Water System Operator, more frequent sampling of the raw groundwater quality from the Sayward and Glendale Wells will help with early detection of pathogens that could be entering the water system.

3.0 CONTAMINANT INVENTORY & RISK CHARACTERIZATION (MODULE 2 & 7)

A well protection area boundary was developed for the Glendale and Sayward Wells as part of the contaminant source assessment (Figure 5). The well protection area includes the water supply wells' interpreted well capture zones and the lands immediately downgradient and side-gradient. The well protection area was created to encompass a larger zone of protection, due to the highly vulnerable nature of Aquifer 496 and the interpreted groundwater flow regime near the water supply wells. The larger well protection area provides a buffer in case pumping rates increase in the future to meet increasing water demands, leading to larger calculated well capture zone areas.

3.1 Land Use and Utilities

The land use designations map (Appendix B) indicates that land use is primarily residential in Salmo, with extensive rural areas zoned on the north side of Highway 3. The Sayward and Glendale Wells are in Park/Open Space/Institution zoned areas. Single and two family residential and estate residential zoned areas are located adjacent to and upgradient of the Sayward Well. A single and two family residential zoned area is located adjacent to and upgradient of the Glendale Well.

Residents are believed to use a variety of sources for heating, including electric, wood stoves, and gas and oil furnaces. A sewage treatment plant services Salmo's residents and businesses and is located south (i.e., downgradient) of Salmo. There are no known septic systems within Salmo's municipal boundaries; however, residences located outside of municipal boundaries are assumed to be serviced by septic systems.

3.2 Inventory of Potential Hazards

The most common hazards to groundwater and their associated land uses are summarized below:

- **Agricultural:** heavy chemical use farming, pesticides and fertilizers, manure storage;
- **Transportation Corridors:** fuel spills on highways, road salts;
- **Commercial:** gas stations, paint strippers, dry cleaners, auto body and repair;
- **Industrial:** chemical, petroleum, wood processing, food processing;

- **Municipal:** stormwater runoff, pesticides and fertilizers; and
- **Residential:** septic systems, abandoned wells, sewer mains.

Salmo's land use planning team has identified a list of potential hazards to groundwater from the various land use types within the identified well protection area (Table 12). The hazards include anthropogenic and natural sources.

Table 12: Potential Hazards to Groundwater

Hazard	Reason for Concern	Transport Mechanism
Agriculture	Manure storage and/or spreading manure for small-scale farming operations, small hobby farms and/or horse stables. These may be located to the north and east of Salmo's municipal boundaries within the well protection area	Runoff, Groundwater
Roads, Highway	Fuel or other contaminant spills	Runoff, Groundwater
Roads, Highway	2% road salt mixed with gravel is used in the winter; Magnesium chloride is used for dust suppression in the summer	Runoff, Groundwater
Septic System Discharge	Risk of pathogens; septic systems may be located upgradient of the Sayward Well	Groundwater
Salmo Wells (surface seal)	Potential surface water seepage around the wellhead between the borehole and the casing or direct entry into the well from human error due to unsecure well caps or major flooding	Wellbore, Annulus
Climate Change and Extreme Weather	Flooding: both water supply wells are within the 200-year floodplain boundary	Wellbore, Annulus

3.2.1 Contaminated Site Registry

Waterline completed a search of the BC Contaminated Site Registry (ENV, 2021a) within the municipal boundaries of Salmo (Figure 5). The database is administered by ENV and provides a record of sites that ENV has documented as contaminated or as having undergone a contaminated sites investigation. The database search returned nine registered contaminated sites within the municipal boundary. Details regarding the dates of the site registries, the actions taken to remediate the sites, and the outcome of the investigations can be found in Appendix G.

Of the nine sites, seven sites are located within the well protection area (Figure 5). Details of the seven sites are listed below:

- Contaminated Site ID 2742 – Former Shell Bulk Plant: large diesel fuel spill to ground;
- Contaminated Site ID 5095 – Former Esso Service Station: confirmed petroleum hydrocarbon contamination;
- Contaminated Site ID 5143 – Thrifty Gas on 223 Railway Avenue: suspected petroleum hydrocarbon contamination;
- Contaminated Site ID 5303 – The Coyote Café: potential hydrocarbon contamination from Site ID 5095;

- Contaminated Site ID 5311 – Main Street Video: confirmed hydrocarbon contamination from Site ID 5095;
- Contaminated Site ID 5313 – Waterstreet, Dennis and Norma: confirmed hydrocarbon contamination from Site ID 5095; and
- Contaminated Site ID 14499 – 416 Davies Avenue: potential hydrocarbon contamination from Site ID 5095.

As varying levels of investigation and site remediation have been completed at these sites, the potential risk to the water supply wells, specifically the Glendale Well, still exists. Further confirmation of the contamination potential from the individual landowners is required. The remaining two registered contaminated sites are located north of Erie Creek and are either downgradient or side-gradient from the well protection area, therefore, it is unlikely that these sites pose an environmental risk to Salmo's water supply wells.

3.2.2 Waste Management Database

Waterline completed a search of the BC Authorizations Management System (AMS; ENV, 2021b) to identify any active discharge permits, approvals, orders, and regulated sites under the *Environmental Management Act* (BC Government, 2024d). The search did not find any records related to active projects within Salmo's municipal boundaries and/or the well protection area (Figure 5). Authorizations within proximity to Salmo's municipal boundaries include:

1. Municipal solid waste management (municipal landfill; Authorization No. 18067);
2. Vehicle dismantling and recycling industry (Authorization No. 103169); and
3. Municipal sewage management (municipal sewage treatment facility; Authorization No. 2500).

The municipal landfill is located approximately 1.5 km west-northwest of the Glendale Well. The landfill is believed to be a low risk based on the groundwater conceptual model, as the site is side-gradient and cut off from the Glendale Well by a topographical high (expected bedrock outcropping; Figure 5). The vehicle dismantling/recycling facility and the municipal sewage treatment facility are located downgradient of the well protection area and are not considered a risk to Salmo's water supply (Figure 5).

3.3 Source Water Risk Assessment

The source water risk assessment is a technique that allows groundwater hazards to be assigned a relative magnitude in comparison to other hazards, based on the likelihood that a hazard will occur and the consequences or impact of that hazard. The hazards are then ranked from highest to lowest risk to prioritize management actions aimed at reducing the risks to the water source (MLHS, 2010).

Table 13 and Table 14 summarize how each hazard has been assessed using the likelihood of occurrence and magnitude of consequence methods.

Table 13: Likelihood of Occurrence

Level	Descriptor	Description	Probability of Occurrence in Next 10 Years
A	Almost Certain	Is expected to occur in most circumstances	>90%
B	Likely	Will probably occur in most circumstances	71-90%
C	Possible	Will probably occur at some time	31-70%
D	Unlikely	Could occur at some time	10-30%
E	Rare	May only occur in exceptional circumstances	<10%

Notes: MLHS, 2010.

Table 14: Magnitude of Consequence

Level	Descriptor	Description
1	Insignificant	Insignificant impact, no illness, little disruption to normal operation, little or no increase in normal operating costs
2	Minor	Minor impact for small population, mild illness moderately likely, some manageable operation disruption, minor increase in operating costs
3	Moderate	Minor impact for large population, mild to moderate illness probable, significant modification to normal operation but manageable, operating costs increase, increased monitoring
4	Major	Major impact for small population, severe illness probable, systems significantly compromised and abnormal operation if at all, high level monitoring required
5	Catastrophic	Major impact for large population, severe illness probable, complete failure of systems

Notes: MLHS, 2010.

Once a ranking for both the likelihood and consequence were assigned, the two were multiplied together to determine the risk assessment score based on the following equation:

$$\text{Likelihood} \times \text{Consequence} = \text{Risk Assessment Score}$$

Table 15 shows the range of risk scores, which identify low, moderate, high, and very high risk.

Table 15: Risk Assessment Matrix

Likelihood	Consequences				
	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic
A (Almost Certain)	Moderate	High	Very High	Very High	Very High
B (Likely)	Moderate	High	High	Very High	Very High
C (Possible)	Low	Moderate	High	Very High	Very High
D (Unlikely)	Low	Low	Moderate	High	Very High
E (Rare)	Low	Low	Moderate	High	High

Notes: MLHS, 2010.



3.3.1 Risk Ranking

Using the risk assessment matrix above, the potential hazards identified for Salmo’s water supply were ranked from highest to lowest and are shown in Table 16.

Table 16: Risk Assessment Results

Hazard	Likelihood Level	Consequence Level	Risk Level	Comments
Agriculture runoff - manure, pesticides & herbicides	D	4	High	Unlikely to reach the water supply well screen depth but the impact of chemicals or pathogens in the aquifer could have major consequences (probable illness and increased operating costs). However, pathogen sources are outside the 200-day well capture zone areas.
Historical hydrocarbon contamination - Glendale Well	D	4	High	Unlikely the various contaminant plumes would migrate to the Glendale Well; however, the impact of hydrocarbons in the water system could cause illness.
Roads – fuel spill	E	4	High	Low likelihood spills would reach the water supply well screen depth but the impact of a hydrocarbon plume in the aquifer could have significant effects on the water system and could cause illness.
Climate change - extreme weather	C	2	Moderate	Extreme weather events (i.e., overland flooding) are possible but have historically had an insignificant impact to the wells and aquifer.
Salmo wells – well surface seal	D	3	Moderate	Unlikely that direct surface contaminants can enter the wells, as they are protected by well caps. The surface seal for the Glendale Well could not be confirmed, and therefore, surface water flow along the casing and towards the screen could lead to cross-contamination.
Septic system - ground disposal	E	3	Moderate	Low likelihood that sewage discharge would leach through to the aquifer and reach the well intake elevation; however, pathogens could cause illness.
Roads – road salt	E	2	Low	Low likelihood to reach water supply wells’ screen depths. Risk of minor impact to water system at concentrations applied within well capture zones is low.

As some of the water supply elements related to the water distribution system were not assessed by Waterline, risk related to those engineered components were not evaluated in the SWPP.

4.0 ACTIONS TO IMPROVE DRINKING WATER PROTECTION (MODULE 8)

4.1 Groundwater Management Action Plan

Waterline has developed a management action plan aimed at reducing the groundwater risks to an acceptable level. Table 17 outlines the management actions and proposed timelines for implementation. Salmo is responsible for implementing these actions within the proposed timelines.

Table 17: Risk Management Actions and Implementation

Hazard	Recommended Management Action	Proposed Timeframe
Salmo wells - well surface seal	<ul style="list-style-type: none"> Inspection of the water supply well caps, to ensure they are secure and surface drainage is directed away from the wellheads (monthly). Contact a registered well driller to install a proper sanitary seal at the Glendale Well, as per Section 27 of the GWPR. 	Immediate
Septic system – ground disposal	<ul style="list-style-type: none"> Water quality monitoring of the water distribution system – total coliforms and <i>E. coli</i> (weekly)¹. Identify existing well(s)/install new well(s) upgradient of each water supply well to use as sentinel monitoring wells for early detection of changing groundwater quality (within 1-year). Sampling at the water supply wells – Potability analysis (annual). 	Immediate to 1-year
Agriculture runoff – manure, pesticides & herbicides	<ul style="list-style-type: none"> Water quality monitoring of the water distribution system – total coliforms and <i>E. coli</i> (weekly)¹. Promote best practices for manure/chemical handling and storage within the well protection area (within 1-year). Identify existing well(s)/install new well(s) upgradient of each water supply well to use as sentinel monitoring wells for early detection of changing groundwater quality (within 1-year). Sampling of the water supply wells – Pesticides analysis (biennial). 	Immediate to 2-years
Roads - fuel spill	<ul style="list-style-type: none"> Spill response to be addressed in Salmo's ERP, as part of the IH Permit to Operate (within 1-year). Sampling of the water supply wells – Hydrocarbons analysis (annual). 	1-year
Roads – road salt	<ul style="list-style-type: none"> Sampling of the water supply wells – Routine water quality analysis (annual). 	1-year
Historical hydrocarbon contamination – Glendale Well	<ul style="list-style-type: none"> Investigate compliance monitoring of registered contaminated sites within the well protection area (within 1-year). Promote best practices for use and storage of fuel within the well protection area (within 1-year). Sampling of the water supply wells – Hydrocarbons analysis (annual). 	1-year
Climate change - extreme weather	<ul style="list-style-type: none"> Groundwater and surface water level monitoring – Continuous data collection using pressure transducers and the hydrometric station (annual). Water quality monitoring the Salmo River and Erie Creek – Routine water quality analysis (biennial). Review of groundwater and surface water monitoring data (annual). 	1-2 year

Notes: GWPR means Groundwater Protection Regulation (BC Government, 2022); ERP means Emergency Response Plan; IH means Interior Health; ¹currently in place for the water distribution system.

Further details of the groundwater management action plan are discussed below.



4.1.1 Groundwater Level and Production Monitoring

To ensure the SWPP is effective, upgrades to the Salmo water supply system includes installing a pressure transducer in the Glendale Well, like the Sayward Well, to measure water levels. The pressure transducer can be lowered in a drop tube to bypass any well infrastructure and should be downloaded quarterly with data compiled annually. The wells are already equipped with flow meters to record pumping rates. This data can be tabulated and presented graphically to show the response of the water level in the wells to pumping, and if and how it varies throughout the year. The benefits of reviewing and compiling this data include:

- Advanced warning of potential water supply problems (e.g., declining water levels);
- Increased pump protection; and
- Long-term understanding of well and aquifer performance.

4.1.2 Surface Water Level Monitoring

Salmo should consider hiring a hydrologist (surface water consultant) to set up hydrometric stations on the Salmo River and Erie Creek near the Village, to further characterize the groundwater response to seasonally changing surface water levels. At present, there is an active Water Survey of Canada monitoring station (08NE074), located approximately 15 km south of Salmo on the Salmo River. This station, however, is outside of the Aquifer 496 footprint and at a lower elevation in the watershed.

4.1.3 Water Quality Monitoring

Water quality monitoring will provide an indication of the current and ongoing health of the aquifer and the community water supply. The Permit to Operate (Condition 3; Appendix A) requires completion of full chemical analysis on raw water from the water supply wells at least every five years. In addition, Salmo currently collects a single weekly sample for total coliforms and *E. coli* bacteria from various locations around the water distribution system.

Waterline's proposed sampling program suggests more frequent sampling of the Sayward and Glendale Wells, as it is important to establish baseline conditions to assess potential changes to Aquifer 496. Waterline also suggest biennial sampling of surface water from the Salmo River and Erie Creek, to help characterize how groundwater recharge could be changing from contamination or climate change. Waterline has listed the sampling parameters (Table 18) that should be collected as part of the groundwater and surface water sampling. All lab results should be compiled in a database system to assess future water quality changes or concerns.

Table 18: Proposed Water Quality Parameters

Sample Package	Parameters	Purpose of Sampling
Routine Water Quality Analysis	Physical parameters (pH, EC, TDS, etc.) Major anions (HCO ₃ , CO ₃ , Cl ⁻ , SO ₄ ²⁻ , F ⁻) Major cations (Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ²⁺) Nutrients (nitrate, nitrite, etc.) Total and dissolved metals	Help Characterize the groundwater and surface water types
Potability Analysis	Turbidity, routine water (parameters listed above) and microbiological parameters (total coliforms and <i>E. coli</i>)	Determine impacts to groundwater from septic disposal and agricultural runoff
Hydrocarbons	Volatile Organic Compounds (BTEX)	Determine impacts to groundwater from gasoline and solvents
	Extractible Hydrocarbons (LEPH, HEPH), Polycyclic Aromatic Hydrocarbons (PAH) Oil and Grease	Determine impacts to groundwater from gasoline, diesel, heating oil, and oil & grease
Pesticides	Various	Determine impacts to groundwater from agricultural runoff

Notes: EC means electrical conductivity; TDS means total dissolved solids; HCO₃ means bicarbonate; CO₃ means carbon trioxide; Cl means chloride; SO₄ means sulfate; F means fluoride; Ca means calcium; Mg means magnesium; K means potassium; Na means sodium; BTEX means benzene, toluene, ethylbenzene, xylenes; LEPH means light extractable petroleum hydrocarbons; HEPH means heavy extractable petroleum hydrocarbons; PAH means polycyclic aromatic hydrocarbons.

4.1.4 Monitoring Well Installations

Monitoring water levels and water quality at other strategic locations within the aquifer provides information that can help to understand the aquifer’s capacity to support future growth, as well as provides an early warning system for potential contaminants moving towards Salmo’s water supply wells.

To reduce overall costs, Salmo could identify an existing well(s) completed upgradient and at similar depths to the water supply wells, to be used for monitoring purposes. Additional monitoring of a shallow well(s) to assess conditions in the shallow aquifer and the degree of connectivity with the deep aquifer and/or surface water bodies would improve the understanding of the vulnerability of the aquifer to contamination from surface. Alternatively, new wells could be drilled and used specifically for monitoring purposes.

4.1.5 Emergency Response Planning

An Emergency Response Plan (ERP) is required under Condition 6 of the Permit to Operate (Appendix A) and should be developed by the system owner (Village of Salmo) and the certified water system operator, with consultation by the IH drinking water officer. In general, the ERP should include the following elements:



- Contact information of key individuals and agencies involved in the water system and infrastructure, including:
 - System owners and operators;
 - Repair services;
 - Alternative water suppliers;
 - Media representatives;
 - Government agencies; and
 - Community water users.
- Location of the as-built drawings of the water system, which will include but are not limited to:
 - The water main;
 - Control points;
 - Access routes; and
 - Maintenance equipment.
- Standard operating procedures for using alternate or back-up water supplies and associated equipment.

An emergency response within the context of the SWPP could be triggered by several different events, including:

- The detection of contaminants in a water supply well during a routine sampling event;
- The detection of pathogens in the water distribution system during a weekly sampling event;
- A spill event within the well protection area; and
- Pump failure, power failure, broken water main, or other system malfunctions.

If there is a spill event within the well protection area or contamination is detected at a monitoring location, the following actions should be taken:

- The risk to the community water supply must be immediately assessed to determine if an alternative water source is required;
- Appropriate drinking water advisories and notifications should be issued to the community; and
- The source of contamination should be identified, and a plan should be initiated to remove the source and mitigate any impacts.

4.2 Groundwater Protection

4.2.1 Community Involvement and Awareness

The SWPP will be most successful if there is community interest and awareness regarding the need to prevent contaminants from entering the groundwater. The municipality is responsible to educate and promote awareness within the community. Through public outreach, Salmo can help raise community awareness with regards to groundwater protection. Some examples of public outreach initiatives include:

- Promote the SWPP by erecting warning signs to delineate the well protection area;
- Offer community outreach to advise residents on best management practices to protect groundwater using multi-media advertisements; and
- Educate youth through school-based activities (e.g., field trips to water supply facilities) and presentations on the aquifer and water system.

4.2.2 Other Regulatory Controls

Local council can develop bylaws and policies (e.g., an aquifer protection bylaw) to guide future land activities in the well protection area. The community planning team is responsible to advise local council members of such policies. Some examples include:

- Prevent commercial/industrial operations that present a high risk to groundwater contamination within the well protection area (i.e., gas stations, manufacturing/processing, waste storage facilities, etc.);
- Require future developments within the well protection area to conduct a hydrogeologic investigation prior to construction, to confirm the aquifer extent and vulnerability beneath their land. Any data from new piezometers/boreholes/test pits drilled should be provided to Salmo to help further characterize the local hydrogeological setting. All subsurface investigations should be completed by a registered contractor;
- Require current and future commercial/industrial operations to conduct environmental compliance audits and develop pollution prevention plans; and
- Enforce best management practices for storage and handling of potential groundwater contaminants in the community.

4.2.3 SWPP Review and Update

The SWPP is a living document that should be continually reviewed and updated. Each year Salmo should issue an annual report which includes a summary of site inspections, community outreach initiatives, any SWPP enforcement issues/orders, and the results of ongoing monitoring (water levels, flow rates, and water chemistry). Monitoring data should be reviewed by a qualified professional (QP) in groundwater. The annual report should serve as the basis for:

- Communicating the state of source water protection to the community;
- Maintaining water supply integrity;
- Integrating land use planning initiatives; and
- Evaluating and updating the SWPP, as required.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions were reached during the development of the SWPP:

- Waterline completed a SWPP for Salmo's two water supply wells, as requested by IH. The assessment followed ENV's Well Protection Toolkit guidelines (2004).
- Salmo's water supply wells are completed in Aquifer 496, which is a highly vulnerable and moderately developed, unconfined aquifer. The aquifer is comprised of glacial sands, reworked glacial till, and post-glacial sand and gravels. Some areas of the aquifer are locally confined by overlying clay lenses or layers.
- Groundwater from the water supply wells has relatively low total dissolved solids concentration (between 100 and 139 mg/L), suggesting the aquifer is recharged from precipitation and/or surface water. Samples collected in 2007 and 2015 indicated all chemical parameters were below Health Canada's drinking water guidelines (2022) for MAC.
- Capture zones for the Glendale and Sayward Wells were calculated to show the areas most vulnerable to contamination, where spills or other events occurring upgradient of the water supply wells could potentially be drawn into the aquifer and contaminate Salmo's water supply.
- The well protection area covers the areas designated by the theoretical well capture zones, the expected catchment areas associated with the Glendale and Sayward Wells, and additional buffer for potential future increase in well pumping. The well protection area terminates at the aquifer boundary where the bedrock is anticipated to contact the valley fill sediments.
- The well protection area within the municipal boundary is also part of an aquifer protection development permit area, which requires an approved development permit prior to receiving development approval from the municipality. This is to ensure that care will be taken in storing, handling, manufacturing, and using products within the area, and thereby, above the aquifer.
- Based on the Stage 1 screening level GARP assessment, the wells are considered "at risk" because they are completed in a highly vulnerable, unconfined, and unconsolidated aquifer. In addition, the Glendale Well is considered "at risk" because there is no information to confirm if the well meets the GWPR for surface sealing. Raw water samples from the Glendale Well have not been collected to document baseline conditions.
- Potential hazards to groundwater were identified within the well protection area. The groundwater hazards were ranked based on their likelihood to occur and the consequences or impact of the hazard. Of the seven hazards identified, three were ranked as high risk to the aquifer. The high-risk hazards are as follows:
 - Agricultural runoff and seepage from agricultural operations;
 - Large fuel spills most likely to occur along a major roadway; and
 - Historical hydrocarbon contamination upgradient of the Glendale Well.

Based on the conclusions above, the following recommendations are provided to Salmo:

- In the absence of a well log confirming that the Glendale Well meets the surface sealing requirements of the GWPR, Salmo should hire a licensed water well driller to upgrade/alter the surface seal according to Section 27 of the GWPR (Government of BC, 2022).
- Salmo should share the results of the Stage 1 GARP hazard and screening assessment with the drinking water officer from IH, to discuss proper procedures and operational guidelines for untreated water.
- Implement the management action plan outlined in Section 4.1 of the SWPP.
- Perform baseline well investigations for the Sayward and Glendale Wells, to confirm long-term sustainable well yields and assess well efficiencies. The investigation should include a camera survey of the well casings and screens to assess well integrity and determine if well rehabilitation is required. Data from the investigation and routine monitoring should be reviewed together to confirm if deteriorating well conditions may exist.
- Consult with local council about amending bylaws with additional requirements for development within the well protection area. Guidelines for development within the well protection area should enhance the requirements already outlined for the aquifer protection development permit area in Bylaw 687 (Salmo, 2017).
- Consult with local council to prevent commercial/industrial operations that present a high risk of groundwater contamination within the well protection area (i.e., gas stations, manufacturing/processing, waste storage facilities, etc.).
- Investigate compliance monitoring of registered contaminated sites within the well protection area with individual landowners.
- Promote the SWPP by placing warning signs to delineate the well protection area. Advise residents on best management practices to protect groundwater using multi-media advertisements.
- Engage with a registered QP to:
 - Help review the water system risks, based on EGBC's Preparation of One Water System Risk Management Plan in BC (EGBC, 2024).
 - Review the Village's water use requirements based on new population numbers and the recent water use monitoring from the Sayward and Glendale Wells.
- As per the WSA Existing Use Groundwater Licence application submitted in 2016, continue beneficially using groundwater from the Glendale and Sayward Wells for the purpose of 'Waterworks – Local Provider', and up to the volume applied for. If the Village foresees a need for additional groundwater beyond the volume already applied for, a WSA New Use Licence application must be submitted and approved by WLRS before the additional groundwater can be extracted and/or beneficially used.

6.0 CERTIFICATION

This document was prepared under the direction of a professional geoscientist registered in the Province of British Columbia.

Waterline Resources Inc. trusts that the information provided in this document is sufficient for your requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

Respectfully submitted,

Waterline Resources Inc.
EGBC Permit No. 1000669

Reviewed By:

Simon Wing, B.Sc., P.Geo.
Senior Hydrogeologist

Dalton Pajak, B.Sc., P.Geo.
Senior Hydrogeologist

Steph Righi, B.NRP, RBTech
Regulatory Specialist

7.0 REFERENCES

- British Columbia Ministry of Environment and Climate Change Strategy (ENV), 2024. Groundwater Wells and Aquifers database (GWELLS). Accessed April 2024. <https://apps.nrs.gov.bc.ca/gwells>
- British Columbia Ministry of Environment and Climate Change Strategy (ENV), 2021a. Contaminated Sites Site Registry. Accessed April 2024.
- British Columbia Ministry of Environment and Climate Change Strategy (ENV), 2021b. Authorization Management System (AMS). Accessed April 2024.
- British Columbia Ministry of Environment and Climate Change Strategy (ENV), 2004. Well Protection Toolkit. Water Stewardship Division. A joint project of the Ministry of Environment, Lands and Parks, Ministry of Health, and Ministry of Municipal Affairs, with support from Environment Canada and the British Columbia Ground Water Association. ISBN 0-7726-5566-9.
- British Columbia Ministry of Health (MoH), 2020. Public Health Act – Health Hazards Regulation (HHR) deposited December 2, 2011. Included amendments up to B.C. Reg. 186/2020, July 20, 2020.
- British Columbia Ministry of Health (MoH), 2017. Guidance Document for Determining Groundwater at Risk of Containing Pathogens (GARP) Version 3. September 2017.
- British Columbia Ministry of Healthy Living and Sport (MHLS), 2010. Comprehensive Drinking Water Source-To-Tap Assessment Guideline (CS2TA).
- British Columbia Ministry of Water, Land and Air Protection (WLAP), 2002. Guide to Using the BC Aquifer Classification Maps for the Protection and Management of Groundwater. Published by Berardinucci, J., Ronneseth, J., June 2002.
- Cui, Y., Miller, D., Schiarizza, P., and Diakow, L.J., 2017. British Columbia Digital Geology. British Columbia Ministry of Energy, Mines and Petroleum Resources, British Columbia Geological Survey Open File 2017-8, 9p. Data version 2019-12-19.
- Engineers and Geoscientists British Columbia (EGBC), 2024. Preparation of One Water System Risk Management Plan in British Columbia, Version 1.0. Published April 26, 2024.
- Engineers and Geoscientists British Columbia (EGBC), 2019. Professional Practice Guidelines – Assessment of Groundwater At Risk Of Containing Pathogens (GARP), Version 1.0. Published July 16, 2019
- Freeze, R.A. and J.A. Cherry, 1979. Groundwater. Prentice-Hall Inc., Englewood Cliffs, N.J.

- Golder Associates Ltd. (Golder), 2008. Well Drilling, Installation, and Testing Village of Salmo Production Well No. 6, Knights of Pythias Park, Sayward Avenue, Salmo, British Columbia. Submitted to the Village of Salmo, January 8, 2008.
- Golder Associates Ltd. (Golder), 2005. Village of Salmo Community Water Wells Management Strategy. Submitted to the Village of Salmo, November 5, 2005.
- Government of British Columbia (BC Government), 2024a. Local Government Act. RSBC 2015 c 1. Current to April 9, 2024.
- Government of British Columbia (BC Government), 2024b. Drinking Water Protection Act (DWPA). SBC 2001 c 9. Current to April 9, 2024.
- Government of British Columbia (BC Government), 2024c. Water Sustainability Act (WSA). SBC 2014 c 15. Current to April 2, 2024.
- Government of British Columbia (BC Government), 2024d. Environmental Management Act (EMA). SBC 2003 c 53. Current to June 16, 2024.
- Government of British Columbia (BC Government), 2022. Groundwater Protection Regulation (GWPR). B.C. Reg. 39/2016. Current to November 29, 2022.
- Government of British Columbia (BC Government), 2018. Drinking Water Protection Regulation (DWPR). B.C. Reg. 237/2018. Current to November 15, 2018.
- Health Canada, 2022. Guidelines for Canadian Drinking Water Quality (GCDWQ) - Summary Table. Water and Air Quality Bureau, Healthy Environments and Consumer Safety Branch, Health Canada, Ottawa, Ontario.
- Urban Systems Ltd. (USL), 2005. The Village of Salmo, Water Conservation Drought Management Study. Submitted to the Village of Salmo, February 28, 2005.
- Village of Salmo (Salmo), 2020. Official Community Plan Bylaw 687, 2020.

8.0 LIMITATIONS AND USE

The information presented in this document was compiled exclusively for the Village of Salmo (the Client) by Waterline Resources Inc. (Waterline). This work was completed in accordance with the scope of work for this project that was agreed between Waterline and the Client. Waterline exercised reasonable skill, care, and diligence to assess the information acquired during the preparation of this document but makes no guarantees or warranties as to the accuracy or completeness of this information. The information contained in this document is based upon, and limited by, the circumstances and conditions acknowledged herein, and upon information available at the time of the preparation of this document. Any information provided by others is believed to be accurate but cannot be guaranteed. No other warranty, expressed or implied, is made as to the professional services provided to the Client.

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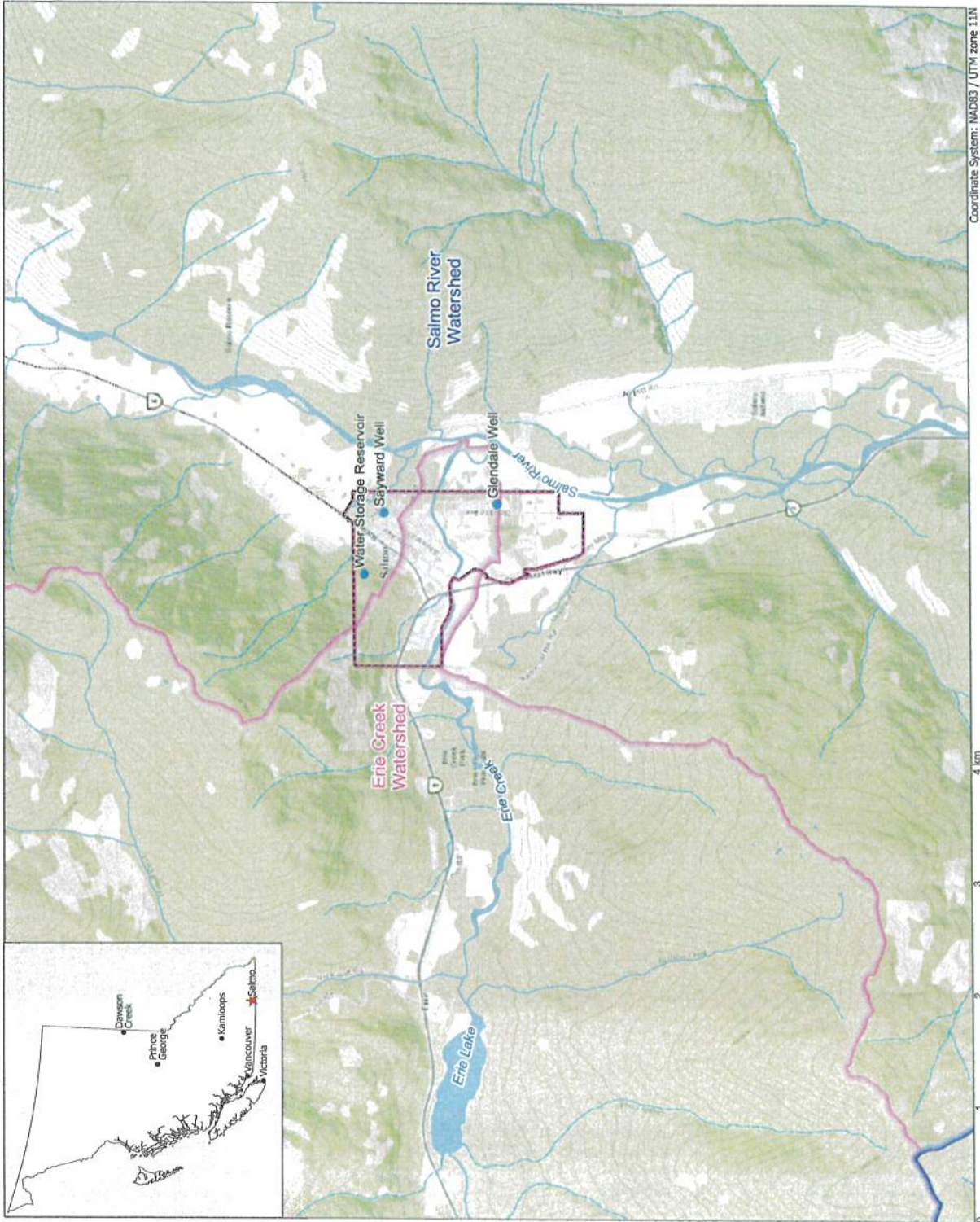
This document is intended to be used in its entirety, and no individual part of the document may be taken as representative of the findings of the document. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form, by any third party, without the expressed written permission of the Client or Waterline.

FIGURES

- Figure 1: Location Plan
- Figure 2: Water Supply Well Locations and Mapped Aquifers
- Figure 3: Hydrogeologic Cross-Section A-A'
- Figure 4: Hydrogeologic Cross-Section B-B'
- Figure 5: Water Supply Well Capture Zones and Estimated Groundwater Travel Time



- Project Location**
- River/Stream - Definite
 - River/Stream - Intermittent
 - Lake
 - Erie Creek Watershed
 - Saimo River Watershed
 - Municipal Boundary



References:
 British Columbia (2015). National Road Network (2015). (Eri World Topo).
 Contains information licensed under the Open Government Licence - British Columbia
 and the Open Government Licence - Canada

Source Water Project Plan
 Village of Saimo
 Saimo, BC

LOCATION PLAN



Project No.	2024-03-001
Project Name	Water Storage Reservoir
Date Issued	2024-03-01
Date Revised	
Drawn By	

FIGURE 1



Coordinate System: NAD83 / UTM zone 11N

- Glendale Well
- Sayward Well
- Water Distribution System Sampling Location
- Registered Groundwater Well
- Cross-Section Trace
- Municipal Boundary
- River/Stream - Definite
- River/Stream - Intermittent
- Canal/Ditch
- Lake/River
- Aquifer in Overburden (Classification)**
- IIA
- IIB
- IIIB

References:
 ESRI World Imagery, Contains information licensed under the Open Government Licence – British Columbia and the Open Government Licence – Canada

Source Water Project Plan Village of Salmo Salmo, BC								
WATER SUPPLY WELL LOCATIONS AND MAPPED AQUIFERS								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">Prepared By: Waterline Resources Inc.</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">FIGURE 2</td> </tr> <tr> <td style="font-size: x-small;">Project Number: 2640-24-001</td> </tr> <tr> <td style="font-size: x-small;">Compiled By: mms</td> </tr> <tr> <td style="font-size: x-small;">Date Issued: 2024-Jun-16</td> </tr> <tr> <td style="font-size: x-small;">Date Revised: _____</td> <td></td> </tr> </table>	Prepared By: Waterline Resources Inc.	FIGURE 2	Project Number: 2640-24-001	Compiled By: mms	Date Issued: 2024-Jun-16	Date Revised: _____	
Prepared By: Waterline Resources Inc.	FIGURE 2							
Project Number: 2640-24-001								
Compiled By: mms								
Date Issued: 2024-Jun-16								
Date Revised: _____								

A' (North)

A' (South)



Source Water Protection Plan
Village of Salmo
Salmo, BC

HYDROGEOLOGICAL CROSS-SECTION A-A'

Waterline

PREPARED BY: Waterline Resources Inc.
PROJECT: 2040-24-001
COMPILED BY: GGD
DATE ISSUED: October 2017
REVISED: May 2024 (MCW)

FIGURE 3

Horizontal Scale (m)
Vertical Exaggeration: 24:1

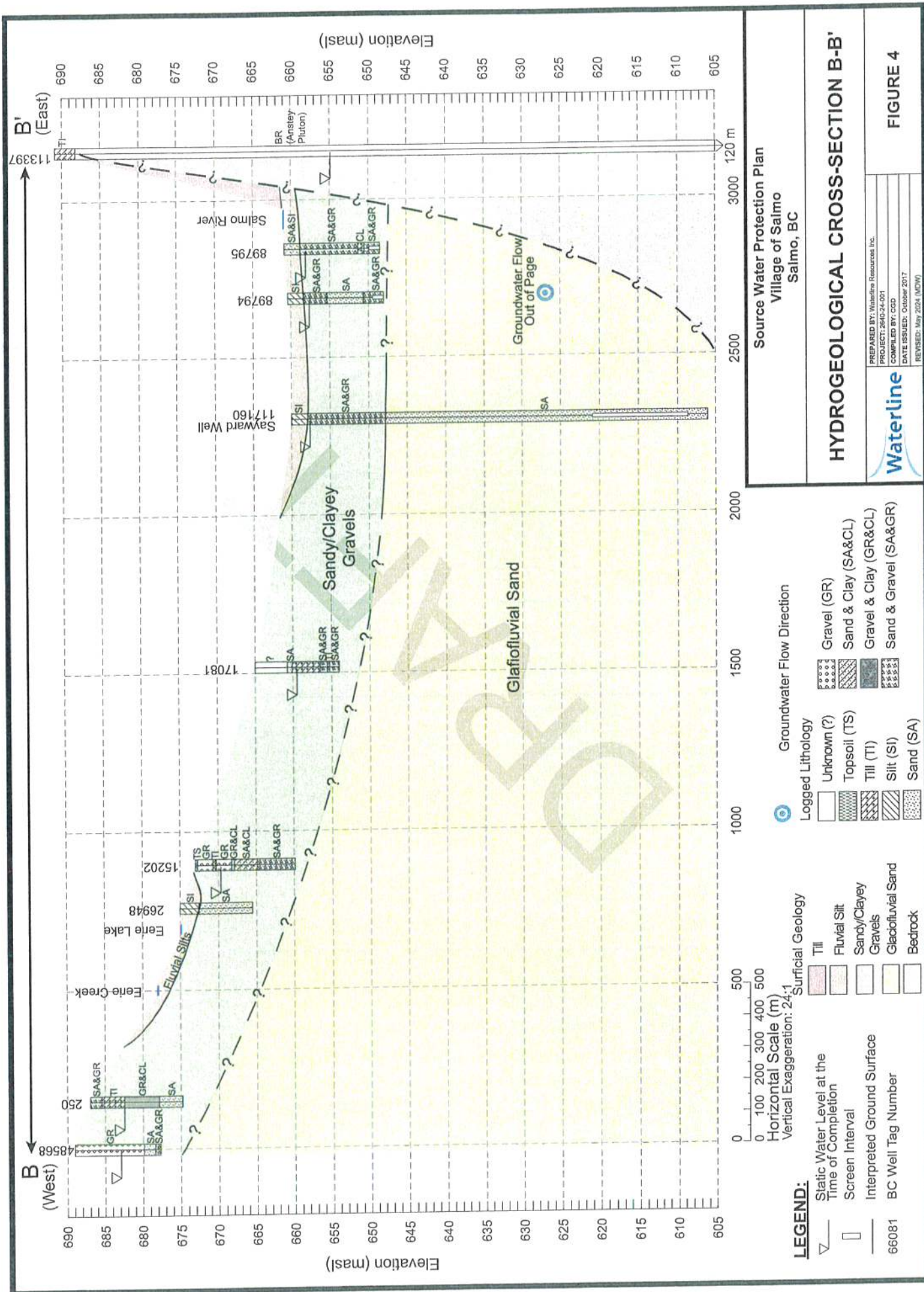
LEGEND:

- ▽ Static Water Level at the Time of Completion
- Screen Interval
- Interpreted Ground Surface
- 66081 BC Well Tag Number
- Groundwater Flow Direction

- Logged Lithology**
- Unknown (?)
 - ▨ Topsoil (TS)
 - ▨ Clay (CL)
 - ▨ Silt (SI)

- Surficial Geology**
- ▨ Fluvial Silt
 - ▨ Sandy/Clayey Gravels
 - ▨ Glaciofluvial Sand

- ▨ Sand (SA)
- ▨ Gravel (GR)
- ▨ Gravel & Clay (GR&CL)
- ▨ Sand & Gravel (SA&GR)



Source Water Protection Plan
 Village of Salmo
 Salmo, BC

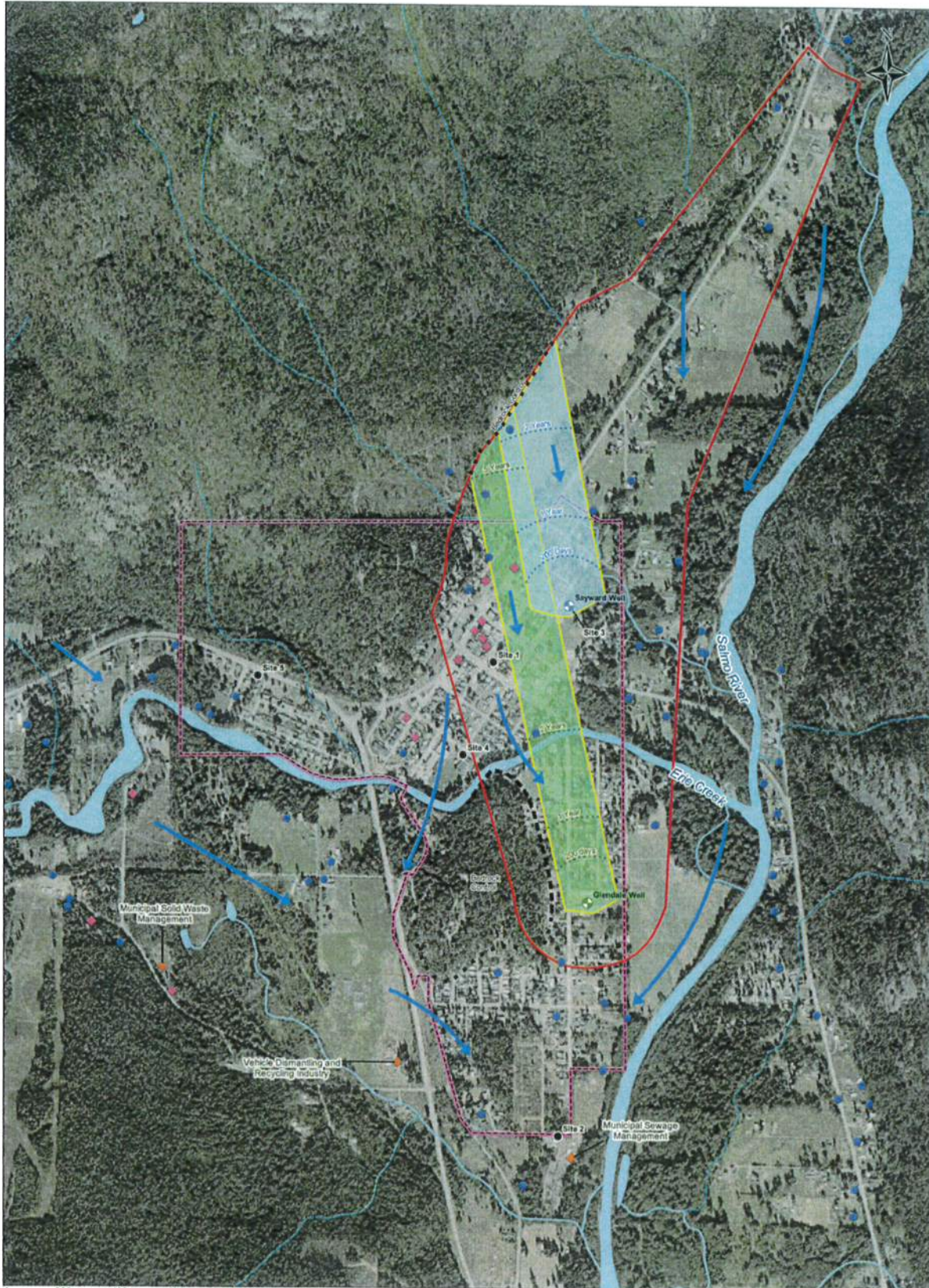
HYDROGEOLOGICAL CROSS-SECTION B-B'

PREPARED BY: Waterline Resources Inc.
 PROJECT: 2640-24-001
 COMPILED BY: GGD
 DATE ISSUED: October 2017
 REVISED: May 2024 (MOW)



FIGURE 4

- LEGEND:**
- ▽ Static Water Level at the Time of Completion
 - Screen Interval
 - Interpreted Ground Surface
 - 66081 BC Well Tag Number
- Surficial Geology**
- Till
 - Fluvial Silt
 - Sandy/Clayey Gravels
 - Glaciofluvial Sand
 - Bedrock
- Groundwater Flow Direction**
- Gravel (GR)
 - Sand & Clay (SA&CL)
 - Gravel & Clay (GR&CL)
 - Sand & Gravel (SA&GR)
- Logged Lithology**
- Unknown (?)
 - Topsoil (TS)
 - Till (TI)
 - Silt (SI)
 - Sand (SA)
- Horizontal Scale (m)**
 Vertical Exaggeration: 24:1



Coordinate System: NAD83 / UTM zone 11N

- Glendale Well
- Sayward Well
- Water Distribution System Sampling Location
- Registered Groundwater Well
- Waste Discharge Authorization
- Registered Contaminated Site
- Bedrock Control
- Sayward Well Groundwater Travel Time
- Glendale Well Groundwater Travel Time
- Groundwater Flow Direction
- Municipal Boundary
- Well Protection Area
- Sayward Well Capture Zone
- Glendale Well Capture Zone
- River/Stream - Definite
- River/Stream - Intermittent
- Lake/River

References:
 ESRI World Imagery, Contains information licensed under the Open Government Licence – British Columbia and the Open Government Licence – Canada

Source Water Project Plan Village of Salmo Salmo, BC	
WATER SUPPLY WELL CAPTURE ZONES AND ESTIMATED GROUNDWATER TRAVEL TIME	
Prepared By: Waterline Resources Inc. Project Number: 2640-24-001 Compiled By: emma Date Issued: 2024 Jan 10 Date Revised:	FIGURE 5

Appendix A

Permit to Operate Water System





Interior Health

Health Protection

Permit To Operate

Drinking Water System 301 - 10,000 Connections

Facility Number: 0211640
Name of Facility: Village of Salmo
Address: 414 Baker
Salmo, BC V0G 1Z0
Owner: Village of Salmo

Conditions:

The purveyor shall conform to the seven (7) operating conditions as per attached explanatory notes.

April 1, 2005

Effective Date

Public Health Inspector

This permit is nontransferable and must be displayed in a conspicuous place





Interior Health

RECEIVED
MAY 07 2007

April 26, 2007

Andre Carrel
Village of Salmo
Box 1000
Salmo, BC V0G 1Z0

Dear Mr. Carrel:

Regarding: Conditions of Permit for the Salmo Water System

Enclosed are the 2007/2008 conditions of permit for the Salmo Water System which should be posted with the operating permit. The decal will follow from our finance department.

If you have any questions, please contact the undersigned at (250) 364-6202.

Sincerely,

Interior Health

A handwritten signature in cursive script, appearing to read "L. McClellan".

Laurie Anne McClellan, C.P.H.I. (C)
Public Health Inspector

Enclosures

cc: P. Bailey, Ministry of Community, Aboriginal and Women's Services
Marianne Crowe, Public Health Engineer, Interior Health
Shaun Malakoe, Senior Public Health Inspector, Interior Health
Serge Zibin, Senior Drinking Water Officer, Interior Health



Conditions of Permit 2007/2008 Salmo Water System

1. Provide a source protection plan for each water source.
 - Confirm whether or not the wells are under the direct influence of surface water. Should well integrity prove to be questionable, plan for the disinfection of well water entering the distribution system.
2. Provide a certified operator to operate the system.
 - Continuously provide an operator(s) that meets the certification level recommended for your system by Environmental Operators Certification Program (EOCP).
 - Provide a back-up operator who meets the certification level recommended for your system or who is working towards this.
 - Provide EOCP certification documents for each operator or re-certified operator by December 31, annually.
 - Develop a plan for continuing education and training for operators.
 - Provide updated water system classification documents if your existing classification is older than ten years or if your water system has been altered in a way that would change the classification since it was last completed.
3. Operate according to your water quality sampling program.
 - Water samples are to be tested for specified microbiological parameters at least four times per month. Interior Health will continue to collect periodic audit samples, which are over and above the samples you are responsible for submitting.
 - A full chemical analysis is to be completed at least every five years on the raw water.
4. Develop a cross connection control program.
 - Submit a progress report with your annual summary. This report should include implementation dates indicating when various “milestones” in the program can be met.



5. Provide long-term plans for source, treatment and distribution system improvements.
 - Submit a maintenance schedule. This should include a yearly maintenance plan which will encompass cross connection control, main flushing, hydrant maintenance as well as planned replacement and/or improvements for the next five years.
 - Submit any changes or updates to the long term plans by December 31st annually.
 - Submit a copy of any proposals forwarded to the provincial government for water infrastructure funding.

6. Review and update your emergency response plan.
 - Submit an updated Emergency Response Plan by June 2007 to Interior Health for approval. This plan is to be reviewed and updated yearly and submitted to Interior Health by December 31st annually. This plan must contain the information specified in the *Drinking Water Protection Regulation* Section 13.

7. Provide monthly and annual summaries.
 - Provide a monthly summary report by the 15th of each month reporting on microbiological results, and comments on source, treatment and distribution system events.
 - A report on the status of the Salmo Water System is to be made available for the public before June 30th, annually. This report must include the information specified in the *Drinking Water Protection Act* Section 15.

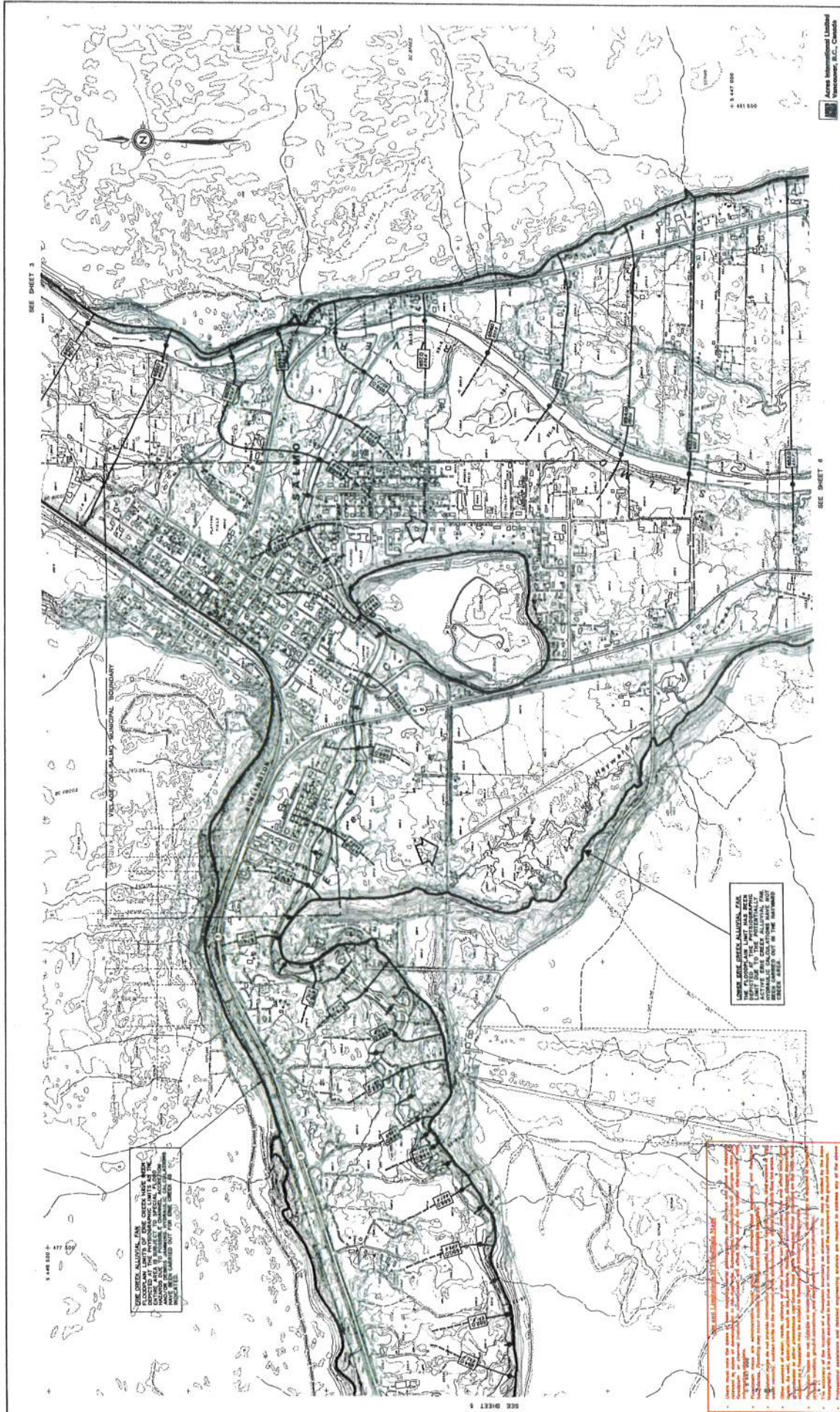
Laurie Anne McClellan, C.P.H.I. (C)
Public Health Inspector

Appendix B

Area Maps

**Aquifer Protection Development Permit Area
Land Use Designations
Floodplain Mapping**

DRAFT



SEE SHEET 3

SEE SHEET 6

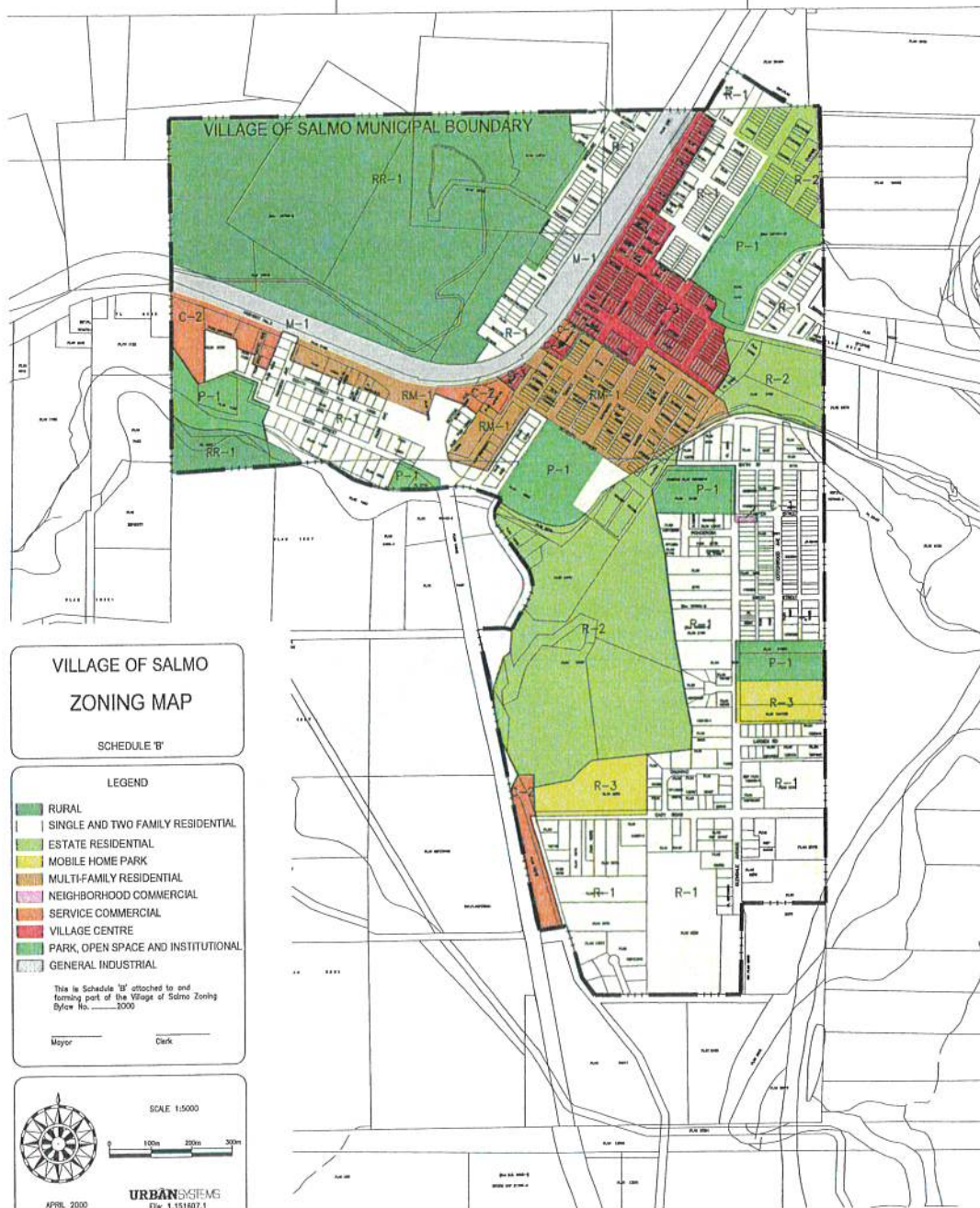
THE GREAT SALMON FALLS CREEK BASIN WORK PROJECT WAS COMPLETED BY THE BRITISH COLUMBIA DEPARTMENT OF WATER RESOURCES IN 1971. THE PROJECT WAS A JOINT VENTURE BETWEEN THE PROVINCE AND THE MUNICIPALITY OF SALMO. THE PROJECT WAS FINANCED BY THE PROVINCE AND THE MUNICIPALITY OF SALMO.

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NOTES

1. This map is a planimetric map and does not show relief. The contours are shown on the original map.
2. The map is based on the 1971 aerial photograph and the 1971 topographic map.
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9. The map is based on the 1971 aerial photograph and the 1971 topographic map.
10. The map is based on the 1971 aerial photograph and the 1971 topographic map.

<p>APPLICANT'S INFORMATION</p> <p>NAME: FLOODPLAIN MAPPING</p> <p>PROJECT: SALMO RIVER</p> <p>YEAR: YEAR TO SOUTH SALMO RIVER</p> <p>INFLUENCING: Influencing Erie Creek</p>		<p>DATE OF SURVEY: 1971</p> <p>SCALE: 1:62,500</p> <p>PROJECT NO.: 11-1-1000</p> <p>MAP NO.: 11-1-1000</p> <p>SHEET NO.: 11-1-1000</p> <p>DATE: 1971</p> <p>BY: J. M. D.</p> <p>CHECKED BY: B. B.</p> <p>APPROVED BY: [Signature]</p>						
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	REVISIONS	DATE				<p>KEY MAP</p>
NO.	REVISIONS	DATE						
<p>LEGEND</p> <p>DESIGNATED FLOODPLAIN LIMIT</p> <p>FLOOD LEVEL (Flooded condition)</p> <p>TYPE OF FLOODING</p> <p>TYPE OF FLOODING</p> <p>TYPE OF FLOODING</p>		<p>FLOODPLAIN DATA</p> <p>1. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>2. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>3. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>4. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>5. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>6. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>7. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>8. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>9. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p> <p>10. The map is based on the 1971 aerial photograph and the 1971 topographic map.</p>						



VILLAGE OF SALMO
ZONING MAP
SCHEDULE 'B'

- LEGEND
- RURAL
 - SINGLE AND TWO FAMILY RESIDENTIAL
 - ESTATE RESIDENTIAL
 - MOBILE HOME PARK
 - MULTI-FAMILY RESIDENTIAL
 - NEIGHBORHOOD COMMERCIAL
 - SERVICE COMMERCIAL
 - VILLAGE CENTRE
 - PARK, OPEN SPACE AND INSTITUTIONAL
 - GENERAL INDUSTRIAL
- This is Schedule 'B' attached to and forming part of the Village of Salmo Zoning Bylaw No. 2000
- Mayor _____ Clerk _____

SCALE 1:5000

0 100m 200m 300m

APRIL 2000

URBAN SYSTEMS
File: 1.151607.1

Appendix C

Well Logs

DRAFT



PROJECT Village of Salmo	BORING NUMBER Salmo Production Well #6, KP Park	Sheet 2 of 3
------------------------------------	---	--------------

LITHOLOGIC LOG

PROJECT : Village of Salmo Production Well Drilling	LOCATION : Sayward Ave., north of concession stand, west side of KP Park, Salmo, BC
GROUND ELEVATION : ~665 m above sea level	DRILLING CONTRACTOR : JR Drilling, Cranbrook, BC
DRILLING METHOD USED : Dual Air Rotary with Foremost DR24 Drill Rig	LOGGED BY : Garrett Brown
DEPTH TO WATER : 2.38 mbgs (Oct-03-2007)	START: Sep-27-07 END: Sep-29-07 TOTAL DEPTH DRILLED : 53.9 mbgs

DEPTH BELOW GROUND SURFACE (m)		CORE DESCRIPTION		COMMENTS
SAMPLE INTERVAL (m)		SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, AND SOIL STRUCTURE		
	SAMPLE TYPE			
22.5 25 27.5 30 32.5 35 37.5 40	21.3	All samples are grab samples collected from cuttings returned to the surface.	<u>SAND (SW)</u> - grayish brown, free water, loose, fine to coarse grained, non-cohesive, no gravel or silt	Moderately rapid drill rate Water production at 10 to 20 USgpm
	22.9		<u>SAND (SW)</u> - as above	
	24.4		<u>SAND (SW)</u> - grayish brown, free water, loose, fine to medium grained, non-cohesive, no gravel or silt	Water production at ~10 USgpm
	25.9		<u>SAND (SW)</u> - as above	
	27.4		<u>SAND (SP)</u> - grayish brown, free water, compact, fine grained, poorly graded, non-cohesive, trace of silt	Water production at 5 to 10 USgpm
	29.0			
	30.5			Water production ceases
	32.0			
	33.5			
	35.1			
	36.6			
	38.1	<u>SAND (SW)</u> - grayish brown, free water, loose, fine to medium grained, non-cohesive, no gravel or silt	Water production at ~5 USgpm	
	39.6	<u>SAND (SW)</u> - as above	Water production at 5 to 10 USgpm	



PROJECT
Village of Salmo

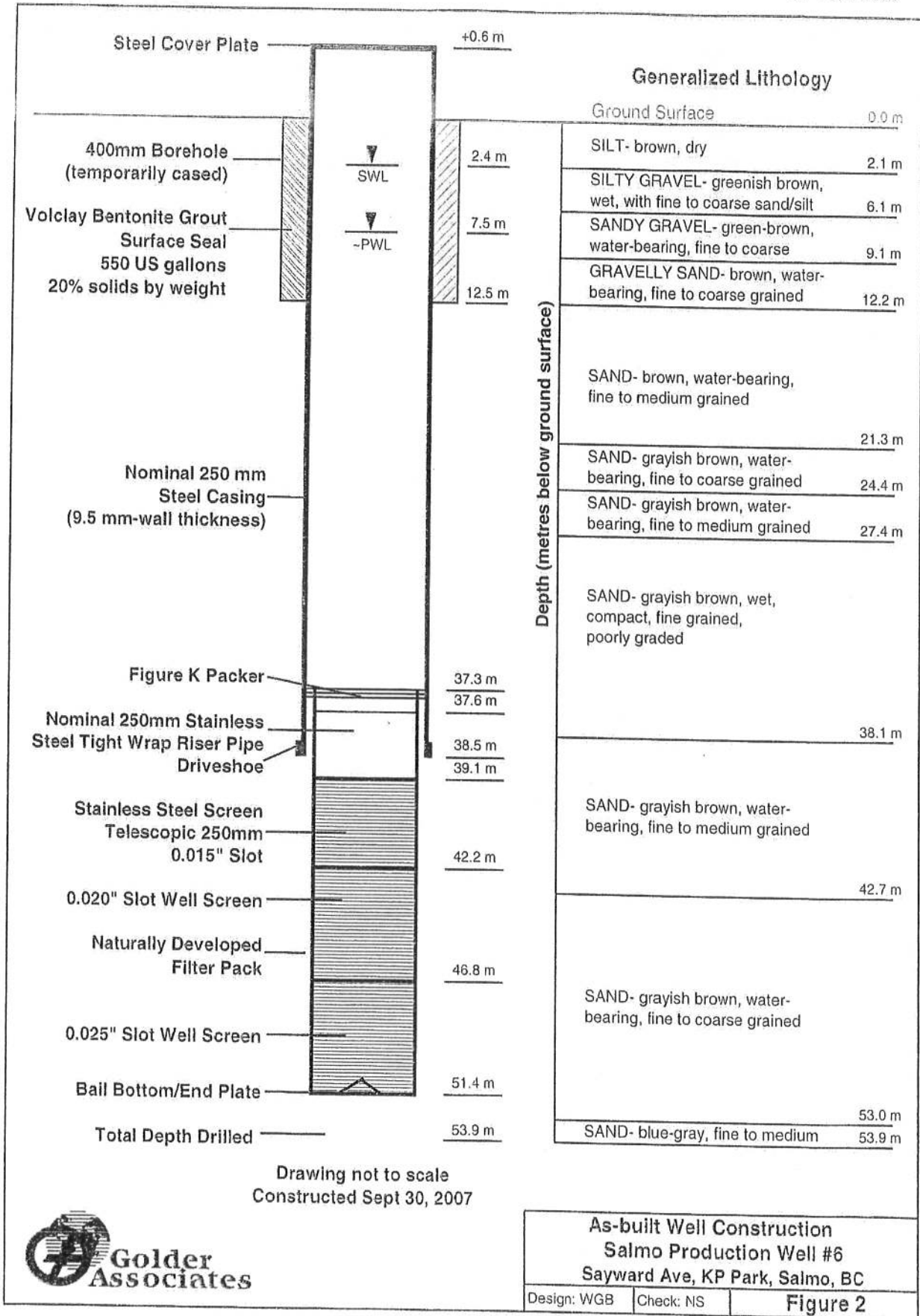
BORING NUMBER
Salmo Production Well #6, KP Park

Sheet 3 of 3

LITHOLOGIC LOG

PROJECT : Village of Salmo Production Well Drilling LOCATION : Sayward Ave., north of concession stand, west side of KP Park, Salmo, BC
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DEPTH BELOW GROUND SURFACE (m)		CORE DESCRIPTION	
	SAMPLE INTERVAL (m)	SAMPLE TYPE	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, AND SOIL STRUCTURE
	41.1	All samples are grab samples collected from cuttings returned to the surface.	SAND (SW)- grayish brown, free water, loose, fine to medium grained, non-cohesive, no gravel or silt
42.5	42.7		SAND (SW)- grayish brown, free water, loose, fine to coarse grained, non-cohesive, no gravel or silt
	44.2		↓
45	45.7		
	47.2		
47.5	48.8		
	50.3		
	51.8		
52.5	53.0		SAND (SW)- gray to blue-gray, free water, loose, fine to medium grained, non-cohesive, no gravel or silt
	53.9		SAND (SW)- as above
			TOTAL DEPTH DRILLED= 53.9 mbgs
55			Sept-30-07- Completed well with nominal 250-mm-diameter telescopic stainless steel well screen.
			Figure K packer w/ tight wrap riser- 37.3 to 39.1 mbgs
			15-slot well screen- 39.1 to 42.2 mbgs
57.5			20-slot well screen- 42.2 to 46.8 mbgs
			25-slot well screen- 46.8 to 51.4 mbgs
60			Sep-30-07 to Oct-3-07- Developed well (natural filter pack) using air lift pumping and surging techniques.



Drawing not to scale
Constructed Sept 30, 2007



As-built Well Construction		
Salmo Production Well #6		
Sayward Ave, KP Park, Salmo, BC		
Design: WGB	Check: NS	Figure 2

Village of Salmo, British Columbia		Source Water Protection Plan		BOREHOLE:	Glendale Well
INSTALLED BY: Unknown				PROJECT #:	2640-17
DRILL TYPE: Unknown		EAST: 480043.8812	NORTH: 5448165.6922	ELEVATION:	657.00 (masl)
FILL TYPE:		<input type="checkbox"/> Backfill	<input checked="" type="checkbox"/> Bentonite	<input type="checkbox"/> Grout	<input type="checkbox"/> Open Hole
		<input type="checkbox"/> Cement	<input type="checkbox"/> Sand	<input checked="" type="checkbox"/> Slough	<input type="checkbox"/> Unknown
SAMPLE TYPE:		<input checked="" type="checkbox"/> Shelby Tube	<input type="checkbox"/> No Recovery	<input checked="" type="checkbox"/> Split Spoon	<input type="checkbox"/> Disturbed
		<input type="checkbox"/> Dynamic Cone	<input checked="" type="checkbox"/> Core	<input type="checkbox"/> Grab Sample	
D e p t h (m)	SOIL DESCRIPTION		WELL INSTALLATION Casing diam. = 0.020 m		
	<p>Note: Well completion information was obtained from the <i>Village of Salmo Community Water Wells Management Strategy</i> (Golder, 2005). In the absence of the original drilling or well completion report, this well log was used as a visual representation of the available well construction details.</p>		<p>Static Water Level = 4.0 mbgl</p> <p>Casing Diameter = 200 mm</p> <p>Top of Screen at 36.8 mbgl</p> <p>Unconfined Aquifer</p> <p>Drillers Estimated Well Yield = 2833.92 m³/d</p> <p>Bottom of Screen at 46.0 mbgl</p>		
2					
4					
6					
8					
10					
12					
14					
16					
18					
20					
22					
24					
26					
28					
30					
32					
34					
36					
38					
40					
42					
44					
46	END OF HOLE AT 46.0 m				
48					
		TYPE: Water Supply Well		COMPLETION DEPTH: 46.0 (m)	
		LOGGED BY:		COMPLETION DATE: 1997	
		CHECKED BY:		Date printed: 18-Oct-2017	

Appendix D
Conditional Water Licence

DRAFT





April 19, 2024

File: 20003518
vFCBC Tracking #: 100173079

Village of Salmo
423 Davics Ave.
PO Box 1000
Salmo BC V0G 1Z0

Dear Sir or Madam:

Re: Water Licence Application 103518

The investigation of the above application has been completed. Enclosed is a copy of your Conditional Water Licence 502393.

Please read the documents carefully. Any error(s) in these documents should be brought to the attention of this office as soon as possible.

The quantity of water approved has been reduced from the amount applied for, following the review of the information provided in the application.

As indicated in the well information provided through the licence application process, certain wells related to this licence do not currently have a well ID plate, therefore this licence is issued along with ID plates 61714 (WTN117158) and 6715 (WTN117160). It is necessary that an ID plate be permanently attached to each licenced well according to the map issued along with the ID plate(s). We recommend you attach the plate to the well casing with a large hose clamp or weld the well ID plate to the well casing. The plate must remain attached to the well casing in order for this licence to remain in good standing.

Please note that your water licence may require you to install a flow metering device to record the rate and volume of water diverted under this licence. You should ensure that your works can accommodate this request should it be made at a future date.

To protect the quality and safety of our groundwater resources all wells and associated works related to a groundwater diversion, storage and use must comply with the *Water Sustainability Act* and Groundwater Protection Regulation which requires water wells in British Columbia to be properly constructed, maintained, and, at the end of their service, deactivated and decommissioned. For more information on well owner requirements under the Groundwater Protection Regulation please visit <https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/groundwater-wells-aquifers/groundwater-wells>.

1

Ministry of Forests, Lands,
Natural Resource Operations,
and Rural Development
Water Management

Mailing Address:
401-333 Victoria Street
Nelson BC V1L 4K3

Location:
401-333 Victoria Street
Nelson BC V1L 4K3

Phone: (250) 354-6333
Fax: (250) 354-6332
Web:
<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water>

We understand that there are a number of unused wells on your property. Please be advised that you are required to deactivate or decommission these wells if they are not used regularly or on a periodic basis. Well decommissioning requirements are outlined in Part 9 of the Groundwater Protection Regulation. Deactivation of your well may require the services of one or more Qualified Professionals. For more information and contact information for a Groundwater Protection Officer, please visit the following website <https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/groundwater-wells-aquifers/groundwater-wells>.

You are advised that the *Drinking Water Protection Act* and the Drinking Water Protection Regulation under that Act govern the construction, installation, alteration, extension and operation of joint works that form part of a domestic water system supplying more than one single-family residence or any facility or establishment where the public consumes water. It is the responsibility of the licensee to comply with the Act and Regulations noted above. Your local Regional Health Authority will be able to assist you.

One of the obligations of a water licence is the payment of annual rentals and fees to the Crown for the authorization to exercise the rights granted under the licence. Failure to pay water rental invoices by a specified date may result in late-payment penalties, collection action or cancellation of the licence. Any questions in regards to invoices, statements or billing procedures should be directed to the Water Revenue Unit at 1 (800) 361-8866. Callers from the Victoria area should dial (250) 387-9445.

Please note the following:

- 1) Water licences do not authorize entry on privately owned land for the construction of works, or flooding. Permission of the affected landowner must be obtained or an easement expropriated. For your protection, permission should be in writing and registered with the appropriate Land Title Office.
- 2) Permission for installing works on lands or roadways which are under the jurisdiction of any government agency, must be obtained from the agency concerned.

Please contact FrontCounter BC to assist you with notifications and any applications required if:

- a) there is any change in your mailing address;
- b) you sell the land to which the licence is appurtenant;
- c) you propose to subdivide the land to which the licence is appurtenant; or
- d) you propose to alter the works authorized under the licence.

In order for you to keep your water licence in good standing, the following must be observed:

- a) continued beneficial use of water, as authorized under your licence;
- b) payment of annual rentals;
- c) compliance with the terms of your licence; and
- d) compliance with the terms of the *Water Sustainability Act*.

The *Water Sustainability Act* gives the recipient of this notice the right to appeal my decision. Information on filing an appeal can be found on the Environmental Appeal Board Website at: <http://www.eab.gov.bc.ca/>. A right of appeal from my decision lies to the Environmental Appeal Board. Notice of any appeal must (1) be in writing; (2) include grounds for the appeal; (3) be directed by registered mail to the Chair, Environmental Appeal Board, PO Box 9425 Stn Prov Govt., V8W 9V1 or personally delivered to the office of the Board at 4th Floor, 747 Fort Street in Victoria, BC V8W 3E9, eabinfo@gov.bc.ca; (4) be delivered within 30 days of receiving this letter, and (5) be accompanied by a fee of \$25.00, payable to the Minister of Finance.

If you have any questions or concerns, please contact this office.

Yours truly,



Johanna Wick
Assistant Water Manager
Enclosures: Decision letter, licence, plat, well ID plates



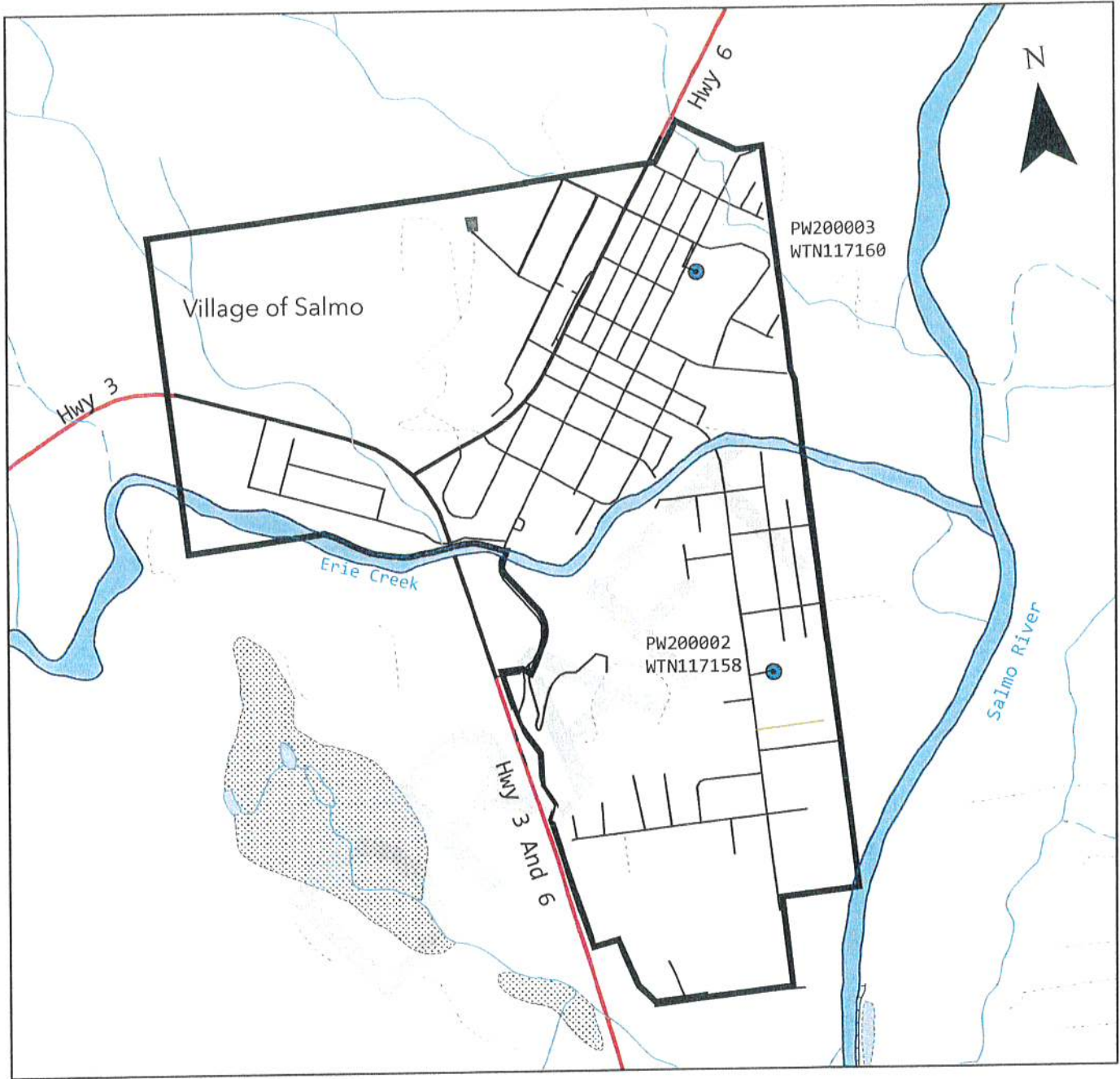
Province of British Columbia
Water Sustainability Act

CONDITIONAL WATER LICENCE

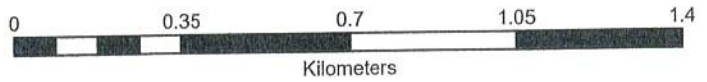
The Village of Salmo is hereby authorized to divert, use and store water as follows:

- a) The aquifer on which the rights are granted is comprised of unconsolidated materials within the following watersheds: LARL - Erie Creek at a depth of 151 feet below surface and LARL - Salmo River at a depth of 169 feet below surface.
- b) The points of well diversion (WTN 117158 & WTN 117160) are located as shown on the attached plan.
- c) The date from which this licence shall have precedence is October 1, 1957.
- d) The purpose for which this licence is issued is Waterworks: local provider.
- e) The maximum quantity of water which may be diverted is 380,270 cubic meters per year cubic provided the maximum daily diversion does not exceed 1,632 cubic meters.
- f) The period of the year during which the water may be used is the whole year.
- g) The land upon which the water is to be used and to which this licence is appurtenant is all the land within the boundaries of the Village of Salmo.
- h) The authorized works are two wells, reservoir and a distribution system.
- i) The construction of the said works has been completed and the water is being beneficially used. The licensee shall continue to make regular beneficial use of the water in a manner authorized herein.
- j) The licensee shall retain flow meter records for inspection upon request by the Water Manager or an Engineer under the *Water Sustainability Act*.

Johanna Wick
Assistant Water Manager



Water District: Nelson
 Precinct: Ymir



Scale: 1:15,000
 Map Number: 82.F.014.2.4

LEGEND

	Point of Diversion
	Distribution System
	Reservoir

Signature: *[Handwritten Signature]*
 Date: April 19, 2024

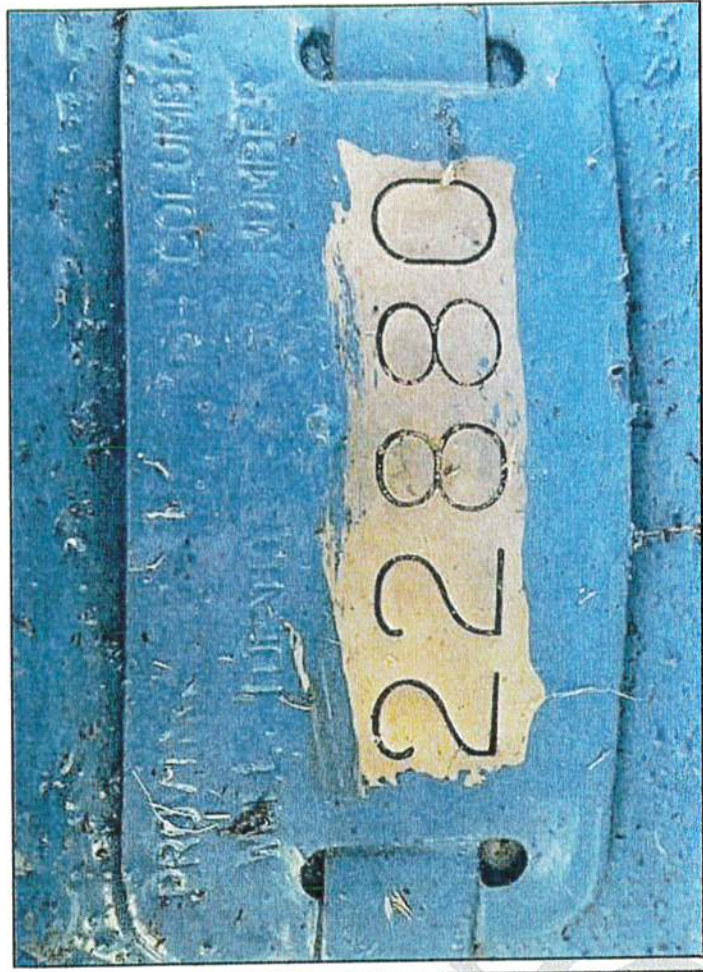
Conditional Licence: 502393
 Ground Water File: 20003518
 Point of Well Diversion: PW200002, PW200003
 Well Tag Number: 117158, 117160

Appendix E

Well Photos

DRAFT





Photograph E1 (Right): Looking down and southeast at the Sayward Wellhead (2024). The well is located behind a locked gate and the well is capped. **Photograph E2 (Left):** Looking at the Sayward Wellhead BC Well Identification Plate Number (2024).





Photograph E3: Looking down and towards the southeast at the Glendale Wellhead (2024). The well is located behind a locked gate and the well is capped.

Appendix F

Water Quality Results

Table F1: General Chemistry, Major Ions, and Other Parameters – Salmo Water Supply Wells

Table F2: Metals – Salmo Water Supply Wells

Table F3: Microbiology – Salmo Water Supply Wells and Test Sites

Table F1: General Chemistry, Major Ions, and Other Parameters - Salmo Water Supply Wells

Sample Location	Units	Guidelines		Glendale Well	Sayward Well	Sayward Well
Sample Date		GCDWQ MAC	GCDWQ AO	2015-02-03 11:00	2007-10-18 00:00	2015-02-03 11:00
Lab ID				5020223-02	710190088	5020223-01
General Chemistry						
Colour	TCU	-	15	<5	<5	<5
Alkalinity, Total (as CaCO ₃)	mg/L	-	-	76	102	99
Conductivity (EC)	µS/cm	-	-	189	229	240
Hardness, Total (as CaCO ₃)	mg/L	-	-	87.6	107	116
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	<1	-
Gross Alpha Activity	Bq/L	-	-	-	<0.06	-
Gross Beta Activity	Bq/L	-	-	-	0.09	-
Total Dissolved Solids-Calculated	mg/L	-	500	100	-	131
Total Dissolved Solids-Gravimetric	mg/L	-	500	-	139	-
Total Organic Carbon (TOC)	mg/L	-	-	-	2.3	-
Transmittance, UV (254 nm)		-	-	98.9	-	99
Turbidity	NTU	-	0.1	0.3	0.12	0.6
pH		-	7-10.5	7.64	7.87	7.86
Major Ions						
Ammonia (N)	mg/L	-	-	-	<0.01	-
Calcium (Ca)-Dissolved	mg/L	-	-	-	38.5	-
Chloride (Cl)	mg/L	-	250	3.06	2.54	2.16
Fluoride (F)	mg/L	1.5	-	<0.01	<0.05	<0.01
Iron (Fe)-Dissolved	mg/L	-	0.3	-	<0.05	-
Magnesium (Mg)-Dissolved	mg/L	-	-	-	3.17	-
Manganese (Mn)-Dissolved	mg/L	0.12	0.02	-	0.006	-
Nitrate-N	mg/L	10	-	0.134	0.11	0.142
Nitrite-N	mg/L	1	-	<0.01	<0.002	<0.01
Nitrogen-Total (as N)	mg/L	-	-	-	<0.2	-
Organic Nitrogen-Total (as N)	mg/L	-	-	-	<0.2	-
Orthophosphate (P)	mg/L	-	-	-	<0.02	-
Potassium (K)-Dissolved	mg/L	-	-	-	1.6	-
Sodium (Na)-Dissolved	mg/L	-	200	-	2.36	-
Sulphate (SO ₄)	mg/L	-	500	13.6	19.7	20
Sulphide (as S)	mg/L	-	-	-	<0.05	-
Total Kjeldahl Nitrogen	mg/L	-	-	-	<0.2	-
Other Organics						
Cyanide (CN)-Total	mg/L	0.2	-	<0.01	<0.01	<0.01

Notes:

GCDWQ represents the Guidelines for Canadian Drinking Water Quality, Summary Table (Health Canada, September 2022). Guidelines are health based and listed as maximum acceptable concentrations (MAC), or based on aesthetic considerations and listed as aesthetic objectives (AO).

Red highlight - Value exceeds the Maximum Allowable Concentration (MAC).

Aqua highlight - Value exceeds the Aesthetic Objective (AO).

TCU means True Colour Unit, mg/L means milligrams per litre, µS/cm means micro Siemens per centimeter, Bq/L means becquerel per litre, NTU means Nephelometric Turbidity Unit

Table F2: Metals - Salmo Water Supply Wells

Sample Location	Units	Guidelines		Glendale Well	Sayward Well	Sayward Well
		GCDWQ MAC	GCDWQ AO	2015-02-03 11:00	2007-10-18 00:00	2015-02-03 11:00
				5020223-02	710190088	5020223-01
Metals						
Aluminum (Al)-Dissolved	mg/L	2.9	0.1	-	<0.005	-
Antimony (Sb)-Dissolved	mg/L	0.005	-	-	<0.001	-
Arsenic (As)-Dissolved	mg/L	0.01	-	-	<0.001	-
Barium (Ba)-Dissolved	mg/L	2	-	-	0.027	-
Beryllium (Be)-Dissolved	mg/L	-	-	-	<0.001	-
Bismuth (Bi)-Dissolved	mg/L	-	-	-	<0.001	-
Boron (B)-Dissolved	mg/L	5	-	-	<0.05	-
Cadmium (Cd)-Dissolved	mg/L	0.007	-	-	<0.0002	-
Chromium (Cr)-Dissolved	mg/L	0.05	-	-	<0.001	-
Cobalt (Co)-Dissolved	mg/L	-	-	-	<0.001	-
Copper (Cu)-Dissolved	mg/L	2	1	-	0.001	-
Lead (Pb)-Dissolved	mg/L	0.005	-	-	<0.001	-
Lithium (Li)-Dissolved	mg/L	-	-	-	0.001	-
Mercury (Hg)-Dissolved	mg/L	0.001	-	-	<0.00002	-
Molybdenum (Mo)-Dissolved	mg/L	-	-	-	0.0011	-
Nickel (Ni)-Dissolved	mg/L	-	-	-	<0.001	-
Phosphorus (P)-Dissolved	mg/L	-	-	-	<0.15	-
Selenium (Se)-Dissolved	mg/L	0.05	-	-	0.002	-
Silicon (Si)-Dissolved	mg/L	-	-	-	4.8	-
Silver (Ag)-Dissolved	mg/L	-	-	-	<0.00025	-
Strontium (Sr)-Dissolved	mg/L	7	-	-	0.19	-
Tellurium (Te)-Dissolved	mg/L	-	-	-	<0.001	-
Thallium (Tl)-Dissolved	mg/L	-	-	-	<0.0001	-
Thorium (Th)-Dissolved	mg/L	-	-	-	<0.0005	-
Tin (Sn)-Dissolved	mg/L	-	-	-	<0.001	-
Titanium (Ti)-Dissolved	mg/L	-	-	-	<0.001	-
Uranium (U)-Dissolved	mg/L	0.02	-	-	0.0008	-
Vanadium (V)-Dissolved	mg/L	-	-	-	0.001	-
Zinc (Zn)-Dissolved	mg/L	-	5	-	<0.005	-
Zirconium (Zr)-Dissolved	mg/L	-	-	-	<0.01	-
Aluminum (Al)-Total	mg/L	2.9	0.1	<0.05	<0.005	<0.05
Antimony (Sb)-Total	mg/L	0.005	-	<0.001	<0.001	<0.001
Arsenic (As)-Total	mg/L	0.01	-	<0.005	<0.001	<0.005
Barium (Ba)-Total	mg/L	2	-	<0.05	0.026	<0.05
Beryllium (Be)-Total	mg/L	-	-	<0.001	<0.001	<0.001
Bismuth (Bi)-Total	mg/L	-	-	-	<0.001	-
Boron (B)-Total	mg/L	5	-	<0.04	<0.05	<0.04
Cadmium (Cd)-Total	mg/L	0.007	-	<0.0001	<0.0002	<0.0001
Calcium (Ca)-Total	mg/L	-	-	30.4	37.6	41.1
Chromium (Cr)-Total	mg/L	0.05	-	<0.005	<0.001	<0.005
Cobalt (Co)-Total	mg/L	-	-	<0.0005	<0.001	<0.0005
Copper (Cu)-Total	mg/L	2	1	0.003	<0.001	0.011
Iron (Fe)-Total	mg/L	-	0.3	<0.1	<0.05	<0.1
Lead (Pb)-Total	mg/L	0.005	-	<0.001	<0.001	0.002
Lithium (Li)-Total	mg/L	-	-	-	0.001	-
Magnesium (Mg)-Total	mg/L	-	-	2.8	3.1	3.2
Manganese (Mn)-Total	mg/L	0.12	0.02	<0.002	0.005	0.006
Mercury (Hg)-Total	mg/L	0.001	-	<0.00002	<0.00002	<0.00002
Molybdenum (Mo)-Total	mg/L	-	-	0.003	0.0011	0.002
Nickel (Ni)-Total	mg/L	-	-	<0.002	<0.001	<0.002
Phosphorus (P)-Total	mg/L	-	-	<0.2	<0.15	<0.2
Potassium (K)-Total	mg/L	-	-	1.2	1.5	1.5
Selenium (Se)-Total	mg/L	0.05	-	<0.005	0.002	<0.005
Silicon (Si)-Total	mg/L	-	-	<5	4.6	<5



Table F2: Metals - Salmo Water Supply Wells

Sample Location	Units	Guidelines		Glendale Well	Sayward Well	Sayward Well
Sample Date		GCDWQ MAC	GCDWQ AO	2015-02-03 11:00	2007-10-18 00:00	2015-02-03 11:00
Lab ID				5020223-02	710190088	5020223-01
Silver (Ag)-Total	mg/L	-	-	<0.0005	<0.00025	<0.0005
Sodium (Na)-Total	mg/L	-	200	2.5	2.31	2.8
Strontium (Sr)-Total	mg/L	7	-	-	0.16	-
Tellurium (Te)-Total	mg/L	-	-	-	<0.001	-
Thallium (Tl)-Total	mg/L	-	-	-	<0.0001	-
Thorium (Th)-Total	mg/L	-	-	-	<0.0005	-
Tin (Sn)-Total	mg/L	-	-	-	<0.001	-
Titanium (Ti)-Total	mg/L	-	-	-	<0.001	-
Uranium (U)-Total	mg/L	0.02	-	0.0007	0.0008	0.001
Vanadium (V)-Total	mg/L	-	-	<0.01	0.001	<0.01
Zinc (Zn)-Total	mg/L	-	5	<0.04	<0.005	<0.04
Zirconium (Zr)-Total	mg/L	-	-	-	<0.01	-

Notes:

GCDWQ represents the Guidelines for Canadian Drinking Water Quality, Summary Table (Health Canada, September 2022). Guidelines are health based and listed as maximum acceptable concentrations (MAC), or based on aesthetic considerations and listed as aesthetic objectives (AO).

Red highlight - Value exceeds the Maximum Allowable Concentration (MAC).

Aqua highlight - Value exceeds the Aesthetic Objective (AO).

mg/L means milligrams per litre

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Sayward Well	2007-10-18	<2	<2
Site 1: Village Office	2016-01-05	<1	<1
Site 1: Village Office	2016-02-02	<1	<1
Site 1: Village Office	2016-03-15	<1	<1
Site 1: Village Office	2016-03-29	<1	<1
Site 1: Village Office	2016-06-07	<1	<1
Site 1: Village Office	2016-06-28	<1	<1
Site 1: Village Office	2016-08-02	<1	<1
Site 1: Village Office	2016-08-30	<1	<1
Site 1: Village Office	2016-09-27	<1	<1
Site 1: Village Office	2016-11-01	<1	<1
Site 1: Village Office	2016-12-13	<1	<1
Site 1: Village Office	2017-01-31	<1	<1
Site 1: Village Office	2017-02-27	<1	<1
Site 1: Village Office	2017-04-03	<1	<1
Site 1: Village Office	2017-05-16	<1	<1
Site 1: Village Office	2017-05-23	<1	<1
Site 1: Village Office	2017-06-27	<1	<1
Site 1: Village Office	2017-07-31	<1	<1
Site 1: Village Office	2018-01-03	<1	<1
Site 1: Village Office	2018-02-06	<1	<1
Site 1: Village Office	2018-02-15	<1	<1
Site 1: Village Office	2018-03-27	<1	<1
Site 1: Village Office	2018-04-17	<1	<1
Site 1: Village Office	2018-05-29	<1	<1
Site 1: Village Office	2018-07-03	<1	<1
Site 1: Village Office	2018-08-07	<1	<1
Site 1: Village Office	2018-09-11	<1	<1
Site 1: Village Office	2018-10-16	<1	<1
Site 1: Village Office	2018-10-30	<1	<1
Site 1: Village Office	2018-11-27	<1	<1
Site 1: Village Office	2019-01-15	<1	<1
Site 1: Village Office	2019-02-12	<1	<1
Site 1: Village Office	2019-03-12	<1	<1
Site 1: Village Office	2019-04-09	<1	<1
Site 1: Village Office	2019-05-14	<1	<1
Site 1: Village Office	2019-06-18	<1	<1
Site 1: Village Office	2019-07-16	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 1: Village Office	2019-08-06	<1	<1
Site 1: Village Office	2019-09-03	<1	<1
Site 1: Village Office	2019-10-08	<1	<1
Site 1: Village Office	2019-11-12	<1	<1
Site 1: Village Office	2019-12-03	<1	<1
Site 1: Village Office	2020-01-07	<1	<1
Site 1: Village Office	2020-01-21	<1	<1
Site 1: Village Office	2020-03-17	<1	<1
Site 1: Village Office	2020-03-31	<1	<1
Site 1: Village Office	2020-04-14	<1	<1
Site 1: Village Office	2020-04-28	<1	<1
Site 1: Village Office	2020-05-26	<1	<1
Site 1: Village Office	2020-06-09	<1	<1
Site 1: Village Office	2020-07-07	<1	<1
Site 1: Village Office	2020-07-14	<1	<1
Site 1: Village Office	2020-07-28	<1	<1
Site 1: Village Office	2020-08-04	<1	<1
Site 1: Village Office	2020-08-18	<1	<1
Site 1: Village Office	2020-08-25	<1	<1
Site 1: Village Office	2020-09-08	<1	<1
Site 1: Village Office	2020-09-15	<1	<1
Site 1: Village Office	2020-09-29	<1	<1
Site 1: Village Office	2020-10-27	<1	<1
Site 1: Village Office	2020-11-12	<1	<1
Site 1: Village Office	2020-12-01	<1	<1
Site 1: Village Office	2020-12-15	<1	<1
Site 1: Village Office	2021-01-12	<1	<1
Site 1: Village Office	2021-02-16	<1	<1
Site 1: Village Office	2021-03-02	<1	<1
Site 1: Village Office	2021-03-16	<1	<1
Site 1: Village Office	2021-03-30	<1	<1
Site 1: Village Office	2021-04-20	<1	<1
Site 1: Village Office	2021-05-04	<1	<1
Site 1: Village Office	2021-05-18	<1	<1
Site 1: Village Office	2021-06-29	<1	<1
Site 1: Village Office	2021-07-13	<1	<1
Site 1: Village Office	2021-07-27	<1	<1
Site 1: Village Office	2021-08-10	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 1: Village Office	2021-08-17	<1	<1
Site 1: Village Office	2021-09-14	<1	<1
Site 1: Village Office	2021-10-26	<1	<1
Site 1: Village Office	2021-11-23	<1	<1
Site 1: Village Office	2021-12-07	<1	<1
Site 1: Village Office	2022-01-04	<1	<1
Site 1: Village Office	2022-01-25	<1	<1
Site 1: Village Office	2022-02-22	<1	<1
Site 1: Village Office	2022-03-15	<1	<1
Site 1: Village Office	2022-03-29	<1	<1
Site 1: Village Office	2022-04-26	<1	<1
Site 1: Village Office	2022-06-07	<1	<1
Site 1: Village Office	2022-06-28	<1	<1
Site 1: Village Office	2022-08-09	<1	<1
Site 1: Village Office	2022-09-13	<1	<1
Site 1: Village Office	2022-09-27	<1	<1
Site 1: Village Office	2022-11-01	<1	<1
Site 1: Village Office	2022-11-22	<1	<1
Site 1: Village Office	2022-12-06	<1	<1
Site 1: Village Office	2023-01-24	<1	<1
Site 1: Village Office	2023-02-14	<1	<1
Site 1: Village Office	2023-03-14	<1	<1
Site 1: Village Office	2023-04-04	<1	<1
Site 1: Village Office	2023-04-11	<1	<1
Site 1: Village Office	2023-05-16	<1	<1
Site 1: Village Office	2023-06-27	<1	<1
Site 1: Village Office	2023-07-18	<1	<1
Site 1: Village Office	2023-07-25	<1	<1
Site 1: Village Office	2023-08-08	<1	<1
Site 1: Village Office	2023-09-12	<1	<1
Site 1: Village Office	2023-09-15	<1	<1
Site 1: Village Office	2023-10-10	<1	<1
Site 1: Village Office	2023-11-07	<1	<1
Site 1: Village Office	2023-12-05	<1	<1
Site 1: Village Office	2023-12-19	<1	<1
Site 1: Village Office	2024-01-09	<1	<1
Site 1: Village Office	2024-01-23	<1	<1
Site 1: Village Office	2024-02-06	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 1: Village Office	2024-02-27	<1	<1
Site 1: Village Office	2024-03-19	<1	<1
Site 2: Village Shop	2016-01-12	<1	<1
Site 2: Village Shop	2016-02-09	<1	<1
Site 2: Village Shop	2016-03-08	<1	<1
Site 2: Village Shop	2016-04-19	<1	<1
Site 2: Village Shop	2016-07-05	<1	<1
Site 2: Village Shop	2016-07-26	<1	<1
Site 2: Village Shop	2016-08-09	<1	<1
Site 2: Village Shop	2016-09-06	<1	<1
Site 2: Village Shop	2016-10-04	<1	<1
Site 2: Village Shop	2016-11-08	<1	<1
Site 2: Village Shop	2016-12-06	<1	<1
Site 2: Village Shop	2017-01-17	<1	<1
Site 2: Village Shop	2017-02-06	<1	<1
Site 2: Village Shop	2017-03-13	<1	<1
Site 2: Village Shop	2017-04-24	<1	<1
Site 2: Village Shop	2017-05-01	<1	<1
Site 2: Village Shop	2017-05-29	<1	<1
Site 2: Village Shop	2017-07-10	<1	<1
Site 2: Village Shop	2018-01-09	<1	<1
Site 2: Village Shop	2018-02-15	<1	<1
Site 2: Village Shop	2018-03-20	<1	<1
Site 2: Village Shop	2018-05-01	<1	<1
Site 2: Village Shop	2018-06-05	<1	<1
Site 2: Village Shop	2018-07-10	<1	<1
Site 2: Village Shop	2018-08-14	<1	<1
Site 2: Village Shop	2018-09-18	<1	3
Site 2: Village Shop	2018-09-20	<1	<1
Site 2: Village Shop	2018-10-23	<1	<1
Site 2: Village Shop	2018-12-04	<1	<1
Site 2: Village Shop	2019-01-22	<1	<1
Site 2: Village Shop	2019-02-26	<1	<1
Site 2: Village Shop	2019-03-19	<1	<1
Site 2: Village Shop	2019-04-16	<1	<1
Site 2: Village Shop	2019-05-21	<1	<1
Site 2: Village Shop	2019-06-25	<1	<1
Site 2: Village Shop	2019-07-30	<1	<1



Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 2: Village Shop	2019-09-10	<1	<1
Site 2: Village Shop	2019-10-15	<1	<1
Site 2: Village Shop	2019-11-19	<1	<1
Site 2: Village Shop	2020-01-14	<1	<1
Site 2: Village Shop	2020-02-11	<1	<1
Site 2: Village Shop	2020-03-03	<1	<1
Site 2: Village Shop	2020-03-24	<1	<1
Site 2: Village Shop	2020-04-07	<1	<1
Site 2: Village Shop	2020-04-21	<1	<1
Site 2: Village Shop	2020-05-05	<1	<1
Site 2: Village Shop	2020-05-12	<1	<1
Site 2: Village Shop	2020-05-19	<1	<1
Site 2: Village Shop	2020-06-02	<1	<1
Site 2: Village Shop	2020-06-16	<1	<1
Site 2: Village Shop	2020-06-23	<1	<1
Site 2: Village Shop	2020-06-29	<1	<1
Site 2: Village Shop	2020-07-21	<1	<1
Site 2: Village Shop	2020-08-11	<1	<1
Site 2: Village Shop	2020-09-01	<1	<1
Site 2: Village Shop	2020-10-13	<1	<1
Site 2: Village Shop	2020-10-20	<1	<1
Site 2: Village Shop	2020-11-03	<1	<1
Site 2: Village Shop	2020-11-17	<1	<1
Site 2: Village Shop	2020-12-08	<1	<1
Site 2: Village Shop	2020-12-22	<1	<1
Site 2: Village Shop	2021-01-05	<1	<1
Site 2: Village Shop	2021-01-19	<1	<1
Site 2: Village Shop	2021-02-09	<1	<1
Site 2: Village Shop	2021-02-23	<1	<1
Site 2: Village Shop	2021-03-09	<1	<1
Site 2: Village Shop	2021-03-23	<1	<1
Site 2: Village Shop	2021-04-06	<1	<1
Site 2: Village Shop	2021-04-27	<1	<1
Site 2: Village Shop	2021-06-01	<1	<1
Site 2: Village Shop	2021-06-15	<1	<1
Site 2: Village Shop	2021-08-24	<1	<1
Site 2: Village Shop	2021-09-28	<1	<1
Site 2: Village Shop	2021-10-05	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 2: Village Shop	2021-11-02	<1	<1
Site 2: Village Shop	2021-12-14	<1	<1
Site 2: Village Shop	2022-01-11	<1	<1
Site 2: Village Shop	2022-02-01	<1	<1
Site 2: Village Shop	2022-03-01	<1	<1
Site 2: Village Shop	2022-03-08	<1	<1
Site 2: Village Shop	2022-04-05	<1	<1
Site 2: Village Shop	2022-05-03	<1	<1
Site 2: Village Shop	2022-05-10	<1	<1
Site 2: Village Shop	2022-06-14	<1	<1
Site 2: Village Shop	2022-07-12	<1	<1
Site 2: Village Shop	2022-08-16	<1	<1
Site 2: Village Shop	2022-10-04	<1	<1
Site 2: Village Shop	2022-11-08	<1	<1
Site 2: Village Shop	2022-12-13	<1	<1
Site 2: Village Shop	2023-01-03	<1	<1
Site 2: Village Shop	2023-01-17	<1	<1
Site 2: Village Shop	2023-02-21	<1	<1
Site 2: Village Shop	2023-03-07	<1	<1
Site 2: Village Shop	2023-03-21	<1	<1
Site 2: Village Shop	2023-04-18	<1	<1
Site 2: Village Shop	2023-05-23	<1	<1
Site 2: Village Shop	2023-06-06	<1	<1
Site 2: Village Shop	2023-07-04	<1	<1
Site 2: Village Shop	2023-08-15	<1	<1
Site 2: Village Shop	2023-08-22	<1	<1
Site 2: Village Shop	2023-09-19	<1	<1
Site 2: Village Shop	2023-10-17	<1	<1
Site 2: Village Shop	2023-10-24	<1	<1
Site 2: Village Shop	2023-11-14	<1	<1
Site 2: Village Shop	2023-11-28	<1	<1
Site 2: Village Shop	2024-01-16	<1	<1
Site 2: Village Shop	2024-02-13	<1	<1
Site 2: Village Shop	2024-03-12	<1	<1
Site 3: Sal-Crest Motel	2016-01-26	<1	<1
Site 3: Sal-Crest Motel	2016-03-01	<1	<1
Site 3: Sal-Crest Motel	2016-04-26	<1	<1
Site 3: Sal-Crest Motel	2016-07-19	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli MPN/100mL	Total Coliforms MPN/100mL
Guidelines	Units		
GCDWQ MAC		0	0
Site 3: Sal-Crest Motel	2016-08-16	<1	<1
Site 3: Sal-Crest Motel	2016-09-13	<1	<1
Site 3: Sal-Crest Motel	2016-10-11	<1	<1
Site 3: Sal-Crest Motel	2016-11-15	<1	<1
Site 3: Sal-Crest Motel	2017-01-03	<1	<1
Site 3: Sal-Crest Motel	2017-02-14	<1	<1
Site 3: Sal-Crest Motel	2017-03-20	<1	<1
Site 3: Sal-Crest Motel	2017-05-01	<1	<1
Site 3: Sal-Crest Motel	2017-06-05	<1	<1
Site 3: Sal-Crest Motel	2017-06-12	<1	1
Site 3: Sal-Crest Motel	2017-07-17	<1	<1
Site 3: Sal-Crest Motel	2018-01-30	<1	<1
Site 3: Sal-Crest Motel	2018-02-27	<1	<1
Site 3: Sal-Crest Motel	2018-04-03	<1	<1
Site 3: Sal-Crest Motel	2018-05-08	<1	<1
Site 3: Sal-Crest Motel	2018-06-12	<1	<1
Site 3: Sal-Crest Motel	2018-07-17	<1	<1
Site 3: Sal-Crest Motel	2018-08-21	<1	<1
Site 3: Sal-Crest Motel	2018-09-25	<1	<1
Site 3: Sal-Crest Motel	2018-11-06	<1	<1
Site 3: Sal-Crest Motel	2018-12-11	<1	<1
Site 3: Sal-Crest Motel	2019-01-29	<1	<1
Site 3: Sal-Crest Motel	2019-03-05	<1	<1
Site 3: Sal-Crest Motel	2019-03-26	<1	<1
Site 3: Sal-Crest Motel	2019-04-23	<1	<1
Site 3: Sal-Crest Motel	2019-05-28	<1	<1
Site 3: Sal-Crest Motel	2019-07-02	<1	<1
Site 3: Sal-Crest Motel	2019-08-20	<1	<1
Site 3: Sal-Crest Motel	2019-09-17	<1	<1
Site 3: Sal-Crest Motel	2019-10-29	<1	<1
Site 3: Sal-Crest Motel	2019-11-26	<1	<1
Site 3: Sal-Crest Motel	2020-01-28	<1	<1
Site 3: Sal-Crest Motel	2020-03-10	<1	<1
Site 3: Sal-Crest Motel	2020-10-06	<1	<1
Site 3: KP Washroom	2021-05-11	<1	<1
Site 3: KP Washroom	2021-05-25	<1	<1
Site 3: KP Washroom	2021-06-22	<1	<1
Site 3: KP Washroom	2021-07-06	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 3: KP Washroom	2021-08-31	<1	<1
Site 3: KP Washroom	2021-09-21	<1	<1
Site 3: KP Washroom	2021-10-19	<1	<1
Site 3: KP Washroom	2021-11-16	<1	<1
Site 3: KP Washroom	2022-01-18	<1	<1
Site 3: KP Washroom	2022-02-15	<1	<1
Site 3: KP Washroom	2022-05-17	<1	<1
Site 3: KP Washroom	2022-06-21	<1	<1
Site 3: KP Washroom	2022-07-19	<1	<1
Site 3: KP Washroom	2022-09-06	<1	<1
Site 3: KP Washroom	2022-10-11	<1	<1
Site 3: KP Washroom	2022-11-15	<1	<1
Site 3: KP Washroom	2023-05-02	<1	<1
Site 3: KP Washroom	2023-05-30	<1	<1
Site 3: KP Washroom	2023-06-13	<1	<1
Site 3: KP Washroom	2023-07-11	<1	<1
Site 3: KP Washroom	2023-09-05	<1	<1
Site 3: KP Washroom	2023-09-26	<1	<1
Site 3: KP Washroom	2024-03-26	<1	<1
Site 4: SVYCC	2016-01-05	<1	<1
Site 4: SVYCC	2016-02-16	<1	<1
Site 4: SVYCC	2016-03-22	<1	<1
Site 4: SVYCC	2016-06-21	<1	<1
Site 4: SVYCC	2016-08-23	<1	<1
Site 4: SVYCC	2016-09-20	<1	<1
Site 4: SVYCC	2016-10-18	<1	<1
Site 4: SVYCC	2016-11-22	<1	<1
Site 4: SVYCC	2016-12-20	<1	<1
Site 4: SVYCC	2017-01-24	<1	<1
Site 4: SVYCC	2017-02-21	<1	<1
Site 4: SVYCC	2017-03-27	<1	<1
Site 4: SVYCC	2017-05-08	<1	<1
Site 4: SVYCC	2017-06-12	<1	<1
Site 4: SVYCC	2017-07-17	<1	<1
Site 4: SVYCC	2018-01-16	<1	<1
Site 4: SVYCC	2018-02-20	<1	<1
Site 4: SVYCC	2018-03-13	<1	<1
Site 4: SVYCC	2018-04-10	<1	<1



Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 4: SVYCC	2018-05-15	<1	<1
Site 4: SVYCC	2018-06-19	<1	<1
Site 4: SVYCC	2018-07-24	<1	<1
Site 4: SVYCC	2018-08-28	<1	<1
Site 4: SVYCC	2018-10-02	<1	<1
Site 4: SVYCC	2018-11-13	<1	<1
Site 4: SVYCC	2018-12-18	<1	<1
Site 4: SVYCC	2018-01-16	<1	<1
Site 4: SVYCC	2018-02-20	<1	<1
Site 4: SVYCC	2018-03-13	<1	<1
Site 4: SVYCC	2018-04-10	<1	<1
Site 4: SVYCC	2018-05-15	<1	<1
Site 4: SVYCC	2018-06-19	<1	<1
Site 4: SVYCC	2018-07-24	<1	<1
Site 4: SVYCC	2018-08-28	<1	<1
Site 4: SVYCC	2018-10-02	<1	<1
Site 4: SVYCC	2018-11-13	<1	<1
Site 4: SVYCC	2018-12-18	<1	<1
Site 4: SVYCC	2019-02-05	<1	<1
Site 4: SVYCC	2019-04-02	<1	<1
Site 4: SVYCC	2019-04-30	<1	<1
Site 4: SVYCC	2019-06-04	<1	<1
Site 4: SVYCC	2019-07-09	<1	<1
Site 4: SVYCC	2019-08-27	<1	<1
Site 4: SVYCC	2019-09-24	<1	<1
Site 4: SVYCC	2019-10-01	<1	<1
Site 4: SVYCC	2019-10-22	<1	<1
Site 4: SVYCC	2019-12-17	<1	<1
Site 4: SVYCC	2020-02-04	<1	<1
Site 4: SVYCC	2020-02-25	<1	<1
Site 4: SVYCC	2020-11-24	<1	<1
Site 4: SVYCC	2021-01-26	<1	1
Site 4: SVYCC	2021-02-02	<1	<1
Site 4: SVYCC	2021-04-13	<1	<1
Site 4: SVYCC	2021-07-20	<1	<1
Site 4: SVYCC	2021-08-03	<1	<1
Site 4: SVYCC	2021-09-07	<1	<1
Site 4: SVYCC	2021-10-12	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli	Total Coliforms
Guidelines	Units	MPN/100mL	MPN/100mL
GCDWQ MAC		0	0
Site 4: SVYCC	2021-11-09	<1	<1
Site 4: SVYCC	2021-12-21	<1	<1
Site 4: SVYCC	2022-03-22	<1	<1
Site 4: SVYCC	2022-04-19	<1	<1
Site 4: SVYCC	2022-05-24	<1	<1
Site 4: SVYCC	2022-07-05	<1	<1
Site 4: SVYCC	2022-08-23	<1	<1
Site 4: SVYCC	2022-10-18	<1	<1
Site 4: SVYCC	2022-12-20	<1	<1
Site 4: SVYCC	2023-01-31	<1	<1
Site 4: SVYCC	2023-03-28	<1	<1
Site 4: SVYCC	2023-05-09	<1	<1
Site 4: SVYCC	2023-08-01	<1	<1
Site 4: SVYCC	2023-10-03	<1	<1
Site 4: SVYCC	2023-11-21	<1	<1
Site 4: SVYCC	2023-12-12	<1	<1
Site 4: SVYCC	2024-01-30	<1	<1
Site 4: SVYCC	2024-02-20	<1	<1
Site 4: SVYCC	2024-03-05	<1	<1
Site 5: Reno Motel	2016-01-19	<1	<1
Site 5: Reno Motel	2016-02-23	<1	1
Site 5: Reno Motel	2016-04-05	<1	<1
Site 5: Reno Motel	2016-06-14	<1	<1
Site 5: Reno Motel	2016-07-12	<1	<1
Site 5: Reno Motel	2016-10-25	<1	<1
Site 5: Reno Motel	2016-11-29	<1	<1
Site 5: Reno Motel	2017-01-10	<1	<1
Site 5: Reno Motel	2017-03-07	<1	<1
Site 5: Reno Motel	2017-04-10	<1	<1
Site 5: Reno Motel	2017-05-15	<1	<1
Site 5: Reno Motel	2017-06-19	<1	<1
Site 5: Reno Motel	2017-07-24	<1	<1
Site 5: Reno Motel	2018-01-23	<1	<1
Site 5: Reno Motel	2018-03-06	<1	<1
Site 5: Reno Motel	2018-04-24	<1	<1
Site 5: Reno Motel	2018-05-22	<1	<1
Site 5: Reno Motel	2018-06-26	<1	<1
Site 5: Reno Motel	2018-07-31	<1	<1

Table F3: Microbiology - Salmo Water Supply Wells and Test Sites

Sample Location	Sample Date	Microbiology	
		E. Coli MPN/100mL	Total Coliforms MPN/100mL
Guidelines	Units		
GCDWQ MAC		0	0
Site 5: Reno Motel	2018-09-04	<1	<1
Site 5: Reno Motel	2018-10-09	<1	<1
Site 5: Reno Motel	2018-11-20	<1	<1
Site 5: Reno Motel	2019-01-08	<1	<1
Site 5: Reno Motel	2019-02-19	<1	<1
Site 5: Reno Motel	2019-05-07	<1	<1
Site 5: Reno Motel	2019-06-11	<1	<1
Site 5: Reno Motel	2019-07-23	<1	<1
Site 5: Reno Motel	2019-08-13	<1	<1
Site 5: Reno Motel	2019-11-05	<1	<1
Site 5: Reno Motel	2019-12-10	<1	<1
Site 5: Reno Motel	2020-02-18	<1	<1
Site 5: Reno Motel	2020-09-22	<1	1
Site 5: Reno Motel	2020-09-30	<1	<1
Site 5: Motel Avenue	2021-06-08	<1	<1
Site 5: Motel Avenue	2021-11-30	<1	<1
Site 5: Motel Avenue	2022-02-08	<1	<1
Site 5: Motel Avenue	2022-04-12	<1	<1
Site 5: Motel Avenue	2022-05-31	<1	<1
Site 5: Motel Avenue	2022-07-26	<1	<1
Site 5: Motel Avenue	2022-09-20	<1	<1
Site 5: Motel Avenue	2022-10-25	<1	<1
Site 5: Motel Avenue	2022-11-29	<1	<1
Site 5: Motel Avenue	2023-01-10	<1	<1
Site 5: Motel Avenue	2023-02-07	<1	<1
Site 5: Motel Avenue	2023-04-25	<1	<1
Site 5: Motel Avenue	2023-06-20	<1	<1

Notes:

GCDWQ represents the Guidelines for Canadian Drinking Water Quality, Summary Table (Health Canada, September 2022). Guidelines are health based and listed as maximum acceptable concentrations (MAC), or based on aesthetic considerations and listed as aesthetic objectives (AO).

Laboratory results that were less than detection limits and greater than the applied guidelines are not shown as exceedances.

Red highlight - Value exceeds the Maximum Allowable Concentration (MAC).

MPN/100mL means Most Probable Number per 100 millilitres

Appendix G

BC Registered Contaminated Sites

Table G1: Registered Contaminated Sites: General Information

Table G2: Registered Contaminated Sites: Notations

Table G3: Registered Contaminated Sites: Documents

Table G1: Registered Contaminated Sites: General Information

Site ID	Address	Urban Area	Region File	Victoria File	Latitude and Longitude	Date Created
2742	Former Shell Bulk Plant - Salmo	SALMO	26250-20/2742	26250-20/2742	Verified	18/03/1996 0:00
3995	90 7th Street, Salmo	SALMO	26250-20/3995 26100-20/3995	No File	Unconfirmed	29/05/1997 12:35
5095	Former Esso Service Station	SALMO	26250-20/5095 26100-20/5095	26250-20/5095	Verified	27/05/1998 0:00
5143	Thrifty Gas - 223 Railway Avenue, Salmo	SALMO	26250-20/5143	No File	Unconfirmed	15/06/1998 0:00
5303	The Coyote Cafe	SALMO	26250-20/5303 26250-20/5095	26250-20/5303	Unconfirmed	13/08/1998 0:00
5311	Main Street Video	SALMO	26250-20/5311 26250-20/5095	No File	Unconfirmed	18/08/1998 0:00
5313	Waterstreet, Dennis And Norma	SALMO	26250-20/5313 26250-20/5095	No File	Unconfirmed	18/08/1998 0:00
8322	Salmo Highways Yard	SALMO	26250-20/8322	No File	Unconfirmed	11/07/2003 0:00
14499	416 Davies Avenue, Salmo	SALMO	No File	26250-20/14499	Verified	23/10/2012 0:00



Table G2: Registered Contaminated Sites: Notations

Site ID	Notations
2742	<p>(SPILL REPORTED. Administrative, 1988-03-02, Approximately 43,000 Litres Of Diesel Fuel Spilled To The Ground After A Valve Broke On A Fuel Storage Tank. Initial Response Recovered Approximately 90% Of The Fuel, No Actions Entered) (SITE INVESTIGATION REQUESTED. Administrative, 1988-03-02, No Notes Entered, Bc Environment Requested Shell To Test All Other Tanks And Pipes For Leakage. And To Conduct A Subsurface Investigation To Determine If They Could Be A Possible Source Of Petroleum Of The Spill.) (REMEDIATION PLAN REQUESTED. Administrative, 1988-05-16, No Notes Entered, Bc Environment Requests Esso (Located Adjacent To South) To Conduct A Subsurface Investigation To Determine If They Could Be A Possible Source Of Petroleum Hydrocarbon Contamination.) (SITE INVESTIGATION REPORT SUBMITTED. Administrative, 1988-05-16, Detailed Site Investigation Report Submitted On Direction Of Bc Environment. Sample Analysis Identified Two Types Of Petroleum Hydrocarbon Contamination: Fresh Diesel Fuel And Old Gasoline. Consultant Concluded There Were At Least Two Sources Of Contamination, One Being The Diesel Spill. A Product Recovery Pump Was Installed In Two Wells And Is Now Operational, No Actions Entered) (CASE MANAGEMENT ITEM. Administrative, 1988-06-08, A Meeting Of All Affected Parties Indicated That Esso Ever Had An Operational Fuel Storage Tank On Its Site, No Actions Entered) (MONITORING REPORT SUBMITTED. Administrative, 1988-09-26, Report Monitors Vapour Concentrations And Apparent Product Thickness, Results Indicate A Third Recovery Sump Is Needed) (MONITORING REPORT DUE. Administrative, 1989-01-17, No Notes Entered, Bc Environment Requests All Subsequent Monitoring Reports And Remedial Progress Be Submitted) (MONITORING REPORT SUBMITTED. Administrative, 1989-04-10, Report Continues To Monitor Vapour Concentrations And Apparent Product Thickness, As Significant Contamination Still Exists, Remedial Measures Should Be Reanalysed For Effectiveness) (MONITORING REPORT SUBMITTED. Administrative, 1989-04-13, Report Monitors Vapour Concentrations And Apparent Product Thickness, Recommended That An Automated Recovery Pump System Be Installed) (MONITORING REPORT SUBMITTED. Administrative, 1989-07-20, Report Monitors Vapour Concentrations And Apparent Product Thickness, Product Recovery Continues To Be Pumped From Wells, No Actions Entered) (MONITORING REPORT SUBMITTED. Administrative, 1989-11-06, Report Monitors Vapour Concentrations And Apparent Product Thickness, Product Recovery Continues To Be Pumped From Wells, No Actions Entered) (MONITORING REPORT SUBMITTED. Administrative, 1990-04-11, Report Monitors Vapour Concentrations And Apparent Product Thickness, Product Recovery Continues To Be Pumped From Wells, No Actions Entered) (MONITORING REPORT 02, Report Monitors Vapour Concentrations And Apparent Product Thickness, Product Recovery Continues To Be Pumped From Wells, Bulk Plant Was Closed July 15, 1990 And All On-Site Facilities Are To Be Removed Shortly) (MONITORING REPORT SUBMITTED. Administrative, 1991-08-13, Report Monitors Vapour Concentrations And Apparent Product Thickness, Product Recovery Continues To Be Pumped From Wells. All On-Site Structures Were Removed 90-10-07, Morrow Requests Bc Environment Permission To Operate The Groundwater Depression And Rescharge System They Have Been Testing And Analysing) (MONITORING REPORT DUE. Administrative, 1991-10-31, Bc Environment Grants Permission To Discharge Groundwater To A Surface Depression Given That Relevant Parameters In The Groundwater Are Below Detection Limits And Will Be Continually Monitored, No Actions Entered) (MONITORING REPORT SUBMITTED. Administrative, 1992-04-13, Report Monitors Vapour Concentrations And Apparent Product Thickness, Product Recovery Continues To Be Pumped From Wells, No Actions Entered) (CONCENTRATION CRITERIA APPROACH USED. Administrative, 1993-11-08, No Notes Entered, No Actions Entered) (REMEDIATION PLAN REPORT SUBMITTED. Administrative, 1993-11-08, Detailed Plan For The Proposed Treated Water Discharge System, Bc Environment Is Requested To Issue A Formal Approval For The Discharge Of Treated Groundwater) (WASTE MANAGEMENT APPROVAL ISSUED. Legal Requirement, 1993-11-16, As-12880 Authorization To Discharge Treated Water To Ground Subsurface For One Week As Of 93-11-19, No Actions Entered) (MONITORING REPORT SUBMITTED. Administrative, 1996-04-23, 4 Of Available 20 Monitoring Wells Were Sampled, No Indication Of Why These Four Were Selected. Morrow (Consultant) Recommends That All Monitoring Wells And Sumps Be Monitored For Potentiometric Level Twice Per Year, No Actions Entered) (HISTORICAL SITE NOTIFICATION ISSUED (WMA 26.3(3)). Waste Management Act: Contaminated Sites Notations, 1997-05-09, No Notes Entered, No Actions Entered) (NOTIFICATION RECEIVED ABOUT LIKELY OR ACTUAL SUBSTANCE MIGRATION TO NEIGHBOURING SITE. Environmental Management Act: General, 2011-09-27, Hutchesson Street, Salmo (Do Not Flag) Box 642 (Do Not Flag) No Actions Entered) (NOTICE OF INDEPENDENT REMEDIATION INITIATION SUBMITTED. Environmental Management Act: General, 2011-09-27, Start: 2011-10-03, No Actions Entered) (NOTIFICATION RECEIVED ABOUT LIKELY OR ACTUAL SUBSTANCE MIGRATION TO NEIGHBOURING SITE. Environmental Management Act: General, 2011-09-27, Hutchesson Street, Salmo (Do Not Flag) 423 Davies Avenue Po Box 1000 (Do Not Flag), No Actions Entered) (SITE RISK CLASSIFIED - AFFECTED SITE IS NON-HIGH RISK. Environmental Management Act: General, 2011-10-03, No Notes Entered, No Actions Entered) (SITE RISK CLASSIFIED - SITE IS NON-HIGH RISK. Environmental Management Act: General, 2011-10-03, No Notes Entered, No Actions Entered)</p>
3995	<p>(SITE PROFILE RECEIVED. Waste Management Act: Contaminated Sites Notations, 1997-05-28, Notation Generated In Site Profile On 97-05-29 By Lhagel, No Actions Entered) (SITE PROFILE - FURTHER INVESTIGATION REQUIRED BY THE MINISTRY. Waste Management Act: Contaminated Sites Notations, 1997-06-05, Auto Inserted From Site Profile, Bc Environment Requires A Stage One And Stage Two Preliminary Site Investigation.) (PRELIMINARY SITE INVESTIGATION REPORT: INTERNAL REVIEW REQUESTED. Waste Management Act: Contaminated Sites Notations, 1997-07-03, Phase I Environmental Site Assessment (Stage I Preliminary Site Investigation) Submitted On Bc Environment Request. Historic Review Found That 2 Underground Storage Tanks Were Removed In 1995 (Installed Around 1945). Consultant Inspected Tanks & Determined Tanks To Be Sound. Site Was Service Station Until 1973, 1997-07-22 - Bc Environment Completed Report, Review And Concurred With Findings. Report Did Not Include Any Quantitative Assessment Or Analysis Of Soils In Proximity To Former Location Of Two Underground Fuel Storage Tanks Removed In 1995. Bc Environment Recommends That Quantitative Sub-Surface Assessment (Ie. Stage I) Preliminary Site Investigation Be Conducted In Future Should Area Of Former Underground Storage Tanks Be Involved In Re-Development) (PRELIMINARY SITE INVESTIGATION REPORT ACCEPTED (WMA 26-2). Waste Management Act: Contaminated Sites Notations, 1999-04-01, Letter Report Providing Phase II (Preliminary Site Investigation) Information In Support Of Information Provided On June 26, 1997. Preliminary Site Investigation Report Submitted For Information Only, No Review Requested. Bc Environment Requires No Further Assessment At This Time, No Actions Entered)</p>



Table G2: Registered Contaminated Sites: Notations

Site ID	Notations
5095 cont.	<p>Waste Management Act: Contaminated Sites Notations,2000-04-26, Bc. Environment Received An Application Dated April 20/00 Requesting That An Approval In Principle Be Issued For A Remedial Plan. Note That The Remedial Plan Was Not Complete At Time Of Application. Risk Assessment Supporting Plan Remains Under Development...Application For Approval In Principle Is To Be Processed Following Review Of Final Remedial Plan And Risk Assessment Report.
Administrative,2000-07-17,Imperial Oil Submitted Copies Of Formal Human Health And Ecological Risk Assessment Report To Bc Environment In Support Of Remedial Plan .
Bc Environment (Victoria Office) Is To Review Remedial Plan And Risk Assessment Report And Issue An Approval In Principle If Considered Appropriate.
Administrative,2000-07-24,Letter From Bc Environment Requesting Imperial Oil Ltd Conduct Petroleum Hydrocarbon Vapour Sampling/Monitoring In Soils Beneath Buildings On Properties Impacted By Contaminant Migration From The Former Salmo Esso Site, 503 Railway Avenue, Salmo, Bc. Properties Where Testing Is To Be Conducted At 419 Railway Avenue, 423 Railway Avenue And 111 Main Street. Results Of Testing Along With An Interpretative Summary Is To Be Provided To Respective Property Owners And Any Correspondence Copied To The Bc Environment Office, 2000-08-01 - Letter Submitted By Imperial Oil Authorizing Morrow Environmental Consultants Inc To Undertake Soil Vapour Sampling Beneath Main Street Video, At 423 Railway Avenue, Salmo, Bc.
Administrative,2000-08-01 - Letter Submitted By Imperial Oil Notations,2001-06-14, No Notes Entered.No Actions Entered.
NOTICE OF APPEAL RECEIVED. Legal Requirement,2001-07-19, No Notes Entered.No Actions Entered.
REQUIREMENT(S) IMPOSED IN APPROVAL IN PRINCIPLE. Environmental Management Act: General,2002-03-14, No Notes Entered.Schedule B Condition 5 - "All Monitoring Data Will Be Submitted Quarterly In A Format Acceptable To The Regional Waste Manager Within 30 Days Following The End Of Each Quarter."
APPROVAL IN PRINCIPLE ISSUED. Waste Management Act: Contaminated Sites Notations,2002-03-15, The Lands Covered By This Approval Are Located At: 503 Railway Avenue (Pids: 012 051 942, 012 051 985, 012 052 001), 423 Railway Avenue (Pid 008 342 514), 419 Railway Avenue (Pid 008 324 646), And 111 Main Street (Pid 023 954 485), Salmo. Also See Instrument Schedule B Condition 6 - "The Ministry May Request The Development And Implementation Of An Alternative Remediation Plan If: (A) The Contaminant Plume Is Determined To Have Migrated Further Than Currently Delineated... Or (B) The Concentrations Of Contaminants In The Plume Are Observed To Have Not Stabilized And The Trend Analysis Does Not Show Concentrations Decreasing Over The Time Period Envisaged In The Remedial Action Plan..."
Administrative,2002-08-27, Quarterly Monitoring Report For Period April - June, 2002. Sampling Was Performed As Requirement Of Approval In Principle. No Actions Entered.
SITE INVESTIGATION REPORT SUBMITTED. Administrative,2002-09-06, No Notes Entered.Proposed Installation Of 4 New Shallow Vapour Monitoring Wells At Areas Stipulated In The Approval In Principle. Installation Will Allow Assessing Soil Vapour Levels Representative Of Potential Exposure To Occupants Of Nearby Residential And Commercial Properties.
Administrative,2002-10-07, Quarterly Monitoring Report For July-September, 2002. Sampling Was Performed As Requirement Of Approval In Principle. No Actions Entered.
Administrative,2002-12-12, Quarterly Monitoring Report For October 21-23, 2002. Sampling Performed As Requirement Of Approval In Principle. Product Was Identified In 12 Monitoring Wells Located On Railway St And Main St. No Actions Entered.
Administrative,2003-05-27, Quarterly Monitoring Report For March 24-27 Sampling Event. Sampling Was Performed As A Requirement Of The Approval In Principle. No Actions Entered.
Administrative,2003-06-09, Additional Stage Of Assessment Former Esso Service Station At 503 Railway Avenue, Salmo, Bc (Location No. 990333/R02311), No Actions Entered.
Administrative,2003-09-23, Quarterly Monitoring Report. Sampling Dates August 11-14, 2003. Sampling Performed As A Requirement Of The Approval In Principle. No Actions Entered.
Administrative,2003-09-25, Quarterly Monitoring Report. Sampling Dates June 9-13, 2003. Sampling Performed As A Requirement Of The Approval In Principle. Sampling Results Indicate That The Plume Is Stable. No Actions Entered.
Administrative,2003-12-15, Quarterly Monitoring And Sampling Report For October 26 To 30, 2003 Event. No Actions Entered.
Administrative,2007-07-27, Validation Monitoring Program Progress Report Years 2005 And 2006 Former Esso Service Station 503 Railway Avenue, Salmo, Bc (Location No. R02311), No Actions Entered.
Administrative,2008-03-30, Monitoring Report And Risk Calculation In Application For Cessation Of Vapour Monitoring. Application Was Denied Due To Technical Deficiencies. No Actions Entered.
Administrative,2010-02-01, Submitted As A Requirement Of Approval In Principle Issued March 2002. No Actions Entered.
Administrative,2011-11-23, No Notes Entered.No Actions Entered.
SITE RISK CLASSIFIED - SITE IS NON-HIGH RISK. Environmental Management Act: General,2011-11-30, No Notes Entered.No Actions Entered.
Administrative,2011-12-10, Affected Parcel 416 Davies Avenue, Salmo Site 144499, No Actions Entered</p>
5143	[CASE MANAGEMENT ITEM. Administrative,1998-06-15, Petroleum Hydrocarbon Contamination Suspected. No Actions Entered]
5303	<p>[CASE MANAGEMENT ITEM. Administrative,1998-05-27, Written Recognition That Coyote Cafe Property Has Potentially Received Petroleum Hydrocarbon Contamination From Salmo Esso, As Evident In Site Assessment Report Submitted By Morrow Environmental Consultants To Bc Environment. Parties Responsible For Petroleum Contamination Shall Be Required To Develop A Remedial Plan Addressing Contaminant Issues On The Source (Salmo Esso) Site As Well As Down-Gradient Areas Impacted By Off-Site Migration. Remediation Shall Be Conducted In Accordance With A Remedial Plan Approved By Bc Environment.
Administrative,1999-09-02, This Is A Letter Report Provided To Myles Rubenik By Imperial Oil. Report Summarizes Groundwater Monitoring Results Specific To Well 98-16 As Sampled Between May 1998 And July 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,2007-07-27, Validation Monitoring Report Provided To Well 98-16 As Sampled Between May 1998 And October 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,1999-12-01, This Is A Letter Report Provided To Myles Rubenik By Imperial Oil. Report Summarizes Groundwater And Soil Monitoring Results Specific To Wells 98-16 And 99-10 As Sampled Between May 1998 And October 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,1999-12-17, Letter Report Provided To Myles Rubenik By Imperial Oil Summarizing Groundwater Monitoring Results Specific To Wells 98-16 And 99-10 As Sampled Between May 1998 And November 1999. The Monitoring Report Includes Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,2000-08-01, Letter Submitted By Imperial Oil Authorizing Morrow Environmental Consultants Inc. To Undertake Soil Vapour Sampling Beneath Building At 419 Railway Avenue, Salmo, British Columbia. No Actions Entered]</p>
5311	<p>[CASE MANAGEMENT ITEM. Administrative,1998-08-18, Site Is Located Down Gradient And Within An Identified Contaminant Plume Sourced From Salmo Esso (Site #5095). Information Provided To Bc Environment By Salmo Esso Site Owner Indicates Down-Gradient Migration Of Petroleum Hydrocarbon Contamination From The Salmo Esso Has Impacted This Site. Parties Responsible For Petroleum Contamination Shall Be Required To Develop A Remedial Plan Addressing Contaminant Issues On The Source (Salmo Esso) Site As Well As Down-Gradient Areas Impacted By Off-Site Migration. Remediation Shall Be Conducted In Accordance With A Remedial Plan Approved By Bc Environment.
Administrative,1999-07-27, This Is A Letter Report Provided To 473984 Bc Ltd. By Imperial Oil. Report Summarizes Groundwater Monitoring Results Specific To Well 98-9 As Sampled Between May 1998 And June 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,1999-08-23, This Is A Letter Report Provided To 473984 Bc Ltd. By Imperial Oil. Report Summarizes Groundwater Monitoring Results Specific To Well 98-9 As Sampled Between May 1998 And July 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,1999-08-23, This Is A Letter Report Provided To 473984 Bc Ltd. By Imperial Oil. Report Summarizes Groundwater And Soil Monitoring Results Specific To Wells 98-9, 99-11 And 99-19 As Sampled Between May 1998 And October 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions, Total And Dissolved Metals. No Actions Entered.
Administrative,1999-12-17, Letter Report Provided To 473984 Bc Ltd. By Imperial Oil Summarizing Groundwater Monitoring Results Specific To Wells 98-9, 99-11 And 99-19 As Sampled Between May 1998 And November 1999. The Monitoring Report Includes Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered.
Administrative,2000-08-01, Letter Submitted By Imperial Oil Authorizing Morrow Environmental Consultants Inc. To Undertake Soil Vapour Sampling Beneath Main Street Video, At 423 Railway Avenue, Salmo, British Columbia. No Actions Entered]</p>



Table G2: Registered Contaminated Sites: Notations

Site ID	Notations
5313	<p>[CASE MANAGEMENT ITEM. Administrative,1998-08-18 Site Is Located Down Gradient And Within An Identified Contaminant Plume Sourced From Salmo Esso (Site #5095). Information Provided To Bc Environment By Salmo Esso Site Owner Indicates Down-Gradient Migration Of Petroleum Hydrocarbon Contamination From The Salmo Esso Has Impacted This Site.,Parties Responsible For Petroleum Contamination Shall Be Required To Develop A Remedial Plan Addressing Contaminant Issues On The Source (Salmo Esso) Site As Well As Down-Gradient Areas Impacted By Off-Site Migration. Remediation Shall Be Conducted In Accordance With A Remedial Plan Approved By Bc Environment.]
[MONITORING REPORT SUBMITTED. Administrative,1999-07-27,Letter Report Provided To The Waterstreets By Imperial Oil. Report Summarizes Groundwater Monitoring Results Specific To Well 98-11 As Sampled Between May 1998 And June 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals..No Actions Entered]
[MONITORING REPORT SUBMITTED. Administrative,1999-12-01,Letter Report Provided To The Waterstreets By Imperial Oil. Report Summarizes Groundwater And Soil Monitoring Results Specific To Wells 98-11, 99-8 And 99-9 As Sampled Between May 1998 And October 1999. The Monitoring Report Included Analysis Of Hydrocarbons, Dissolved Anions, Total And Dissolved Metals..No Actions Entered]
[MONITORING REPORT SUBMITTED. Administrative,1999-12-17,Letter Report Provided To The Waterstreets By Imperial Oil Summarizing Groundwater Monitoring Results Specific To Wells 98-11, 99-8 And 99-9 As Sampled Between May 1998 And November 1999. The Monitoring Report Includes Analysis Of Hydrocarbons, Dissolved Anions And Dissolved Metals. No Actions Entered]
[CASE MANAGEMENT ITEM. Administrative,2000-08-01,Letter Submitted By Imperial Oil Authorizing Morrow Environmental Consultants Inc. To Undertake Soil Vapour Sampling Beneath The Residence Of Dennis And Norma Waterstreet, At 111 Main Street, Salmo, British Columbia..No Actions Entered]</p>
8322	<p>[NOTICE OF INDEPENDENT REMEDIATION INITIATION SUBMITTED (WMA 28(2)). Waste Management Act: Contaminated Sites Notations,2003-07-08,Areas Of Potential Concern Include Soil Surface Staining (Hydrocarbons) & Salt Issues. No Mention If Groundwater Encountered..Remedial Plan Is To Excavate Impacted Soils And Either Remove To A Permitted Off-Site Facility Or Treat In A Biocell On Property Owned By Bcbc. Salt Impact Will Be Assessed And Delineated And A Separate Remedial Plan Will Be Drawn Up, if Needed.]
[NOTICE OF INDEPENDENT REMEDIATION COMPLETION SUBMITTED (WMA 28(2)). Waste Management Act: Contaminated Sites Notations,2003-08-28,Re: Notice Of Completion Of Independent Remediation.No Actions Entered]</p>
14499	<p>[NOTIFICATION RECEIVED ABOUT LIKELY OR ACTUAL SUBSTANCE MIGRATION FROM NEIGHBOURING SITE. Environmental Management Act: General,2012-10-19,Source Parcel 503 Railway Avenue, Salmo Site 5095.No Actions Entered]</p>



Table G3: Registered Contaminated Sites: Documents

Site ID	Documents
2742	<p>[Satellite Bulk Plant, Salmo, Bc - Subsurface Contamination Assessment", 16-May-1988, Shell Canada Products Limited (Vancouver) - Commissioner, Jensen, Jim - Reviewer, Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc - Subsurface Contamination Assessment - Progress Report # 2", 26-Sep-1988, Shell Canada Products Limited (Vancouver) - Commissioner, Jensen, Jim - Reviewer, Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Subsurface Contamination Assessment, Progress Report 3", 15-Dec-1988, Shell Canada Products Limited (Vancouver) - Commissioner, Jensen, Jim - Reviewer, Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Subsurface Contamination Assessment, Progress Report 4", 04-Apr-1989, Jensen, Jim - Reviewer, Shell Canada Products Limited (Vancouver) - Commissioner, Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Subsurface Contamination Assessment, Progress Report 5", 26-Jun-1989, Shell Canada Products Limited (Vancouver) - Commissioner, Morrow Recovery Systems Inc (North Vancouver) - Author; Jensen, Jim - Reviewer]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Subsurface Contamination Assessment, Progress Report 6", 31-Oct-1989, Jensen, Jim - Reviewer, Morrow Recovery Systems Inc (North Vancouver) - Author; Shell Canada Products Limited (Vancouver) - Commissioner, Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Progress Report 7", 28-Feb-1990, Jensen, Jim - Reviewer; Shell Canada Products Limited (Vancouver) - Commissioner; Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Progress Report 8", 27-Jul-1990, Jensen, Jim - Reviewer; Shell Canada Products Limited (Vancouver) - Commissioner; Morrow Recovery Systems Inc (North Vancouver) - Author]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Progress Report 9", 06-Nov-1990, Morrow Environmental Consultants Inc (North Vancouver) - Author; Stockerl, Ed (Nelso) - Reviewer; Shell Canada Products Limited (Vancouver) - Commissioner]
 [Satellite Bulk Plant, Salmo, Bc Location Code 2835 - Progress Report 10", 01-Aug-1991, Morrow Environmental Consultants Inc (North Vancouver) - Author; Shell Canada Products Limited (Vancouver) - Commissioner; Stockerl, Ed (Nelso) - Reviewer]
 [Former Shell Bulk Plant Salmo, Bc Progress Report 11", 19-Feb-1992, Shell Canada Products Limited (Vancouver) - Commissioner; Morrow Environmental Consultants Inc (North Vancouver) - Author; Stockerl, Ed (Nelso) - Reviewer]
 [Former Shell Canada Bulk Plant, Salmo Bc, District Lot 206a, Lease No. 212044 K.L.D.", 08-Nov-1993, Shell Canada Products Limited (Vancouver) - Commissioner; Morrow Environmental Consultants Inc (North Vancouver) - Author; Stockerl, Ed (Nelso) - Reviewer]
 [Environmental Management Program Salmo Former Bulk Plant - Location Code P00275", 29-Mar-1996, Stockerl, Ed (Nelso) - Recipient; Shell Canada Products Limited (Vancouver) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]</p>
3995	<p>[Phase I Environmental Site Assessment 80-7th Street Salmo, B.C.", 26-Jun-1997, Hanson, Merle And Corinne - Commissioner; Stockerl, Ed (Nelso) - Recipient; Kootenay Engineering Ltd. (Robson, B.C.) - Author]</p>
5095	<p>[Stage 2 Preliminary Site Investigation (Psi) Drilling Intrusive Assessment 501 Railway Avenue At Main Street, Salmo, Bc", 08-Oct-1997, Stockerl, Ed (Nelso) - Reviewer; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner]
 [Supplementary Off-Site Investigation 501 Railway Avenue, Salmo, Bc", 31-Dec-1997, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Stockerl, Ed (Nelso) - Reviewer]
 [Stage 1 Preliminary Site Investigation, Esso Service Station 503 Railway Avenue, Salmo, Bc", 21-May-1998, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Stockerl, Ed (Nelso) - Reviewer; Imperial Oil Limited (Burnaby) - Commissioner]
 [Additional Off-Site Drilling Intrusive Assessment 503 Railway Avenue, Salmo, Bc Location No. 990333", 24-Jul-1998, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Stockerl, Ed (Nelso) - Recipient; Imperial Oil Limited (Burnaby) - Commissioner]
 [Evaluation Of Applicable Groundwater Assessment And Remediation Criteria, 503 Railway Avenue, Salmo, Bc", 27-Aug-1998, Imperial Oil Limited (Burnaby) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Stockerl, Ed (Nelso) - Reviewer]
 [Pilot Scale Testing Program - 503 Railway Avenue, Salmo, Bc", 24-Nov-1999, Imperial Oil Limited (Burnaby) - Commissioner; Stockerl, Ed (Nelso) - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
 [Discharge To Storm Sewer From The Former Imperial Oil Service Station Located At 503 Railway Avenue, Salmo Bc", 22-Dec-1999, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Stockerl, Ed (Nelso) - Recipient]
 [Volume 1 Detailed Site Investigation, Former Service Station, 503 Railway Avenue, Salmo Bc", 28-Jan-2000, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
 [Detailed Site Investigation, Former Service Station, 503 Railway Avenue, Salmo Bc", 28-Jan-2000, Imperial Oil Limited (Burnaby) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
 [Remedial Action Plan In Support Of An Application For Approval In Principle For The Former Service Station, 503 Railway Avenue, Salmo, Bc", 18-Apr-2000, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Stockerl, Ed (Nelso) - Recipient]
 [Human Health And Ecological Risk Assessment, 503 Railway Avenue, Salmo, Bc", 27-Jun-2000, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Harris, Glenn E - Reviewer]
 [Site Monitoring & Sampling Report", 26-Aug-2002, Imperial Oil Limited (Burnaby) - Commissioner; Stockerl, Ed (Nelso) - Reviewer; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
 [Site Monitoring & Sampling Report", 03-Dec-2002, Imperial Oil Limited (Burnaby) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
 [Site Monitoring & Sampling Report", 01-Oct-2002, Imperial Oil Limited (Burnaby) - Commissioner; Stockerl, Ed (Nelso) - Reviewer; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
 [Site Monitoring & Sampling Report", 21-May-2003, Murdoch, Wendy R (Cranbrook) - Reviewer; Imperial Oil Limited (Burnaby) - Author]
 [Additional Stage Of Assessment - Former Esso Service Station At 503 Railway Avenue, Salmo, Bc (Location No. 990333/R02311)", 03-Jun-2003, Murdoch, Wendy R (Cranbrook) - Recipient;</p>



Table G3: Registered Contaminated Sites: Documents

Site ID	Documents
5143	Imperial Oil Limited (Burnaby) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Site Monitoring And Sampling Report - 503 Railway Avenue, Salmo, Bc (Sampling Dates June 9-13, 2003); 27-Aug-2003, Imperial Oil Limited (Burnaby) - Author; Site Monitoring And Sampling Report - 23-Sep-2003, Murdoch, Wendy R (Cranbrook) - Reviewer; Imperial Oil Limited - Author; Demonstration Monitoring Program Progress Report Years 2001-2003*, 09-Mar-2004, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Demonstration Monitoring Program Progress Report Years 2001-2003*, 09-Mar-2004, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Site Monitoring & Sampling Report - 26-Apr-2004, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Site Monitoring & Sampling Report - March 9-11, 2004*, 26-Apr-2004, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Site Monitoring & Sampling Report For The September & October 2004 Events*, 07-Dec-2004, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Demonstration Monitoring Program Progress Report Year 2004*, 26-Apr-2005, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Demonstration Monitoring Program Progress Report For 2005 And 2006 Former Esso Service Station 503 Railway Avenue, Salmo, Bc (Location No. R02311)*, 10-Jul-2007, Snc-Lavalin Morrow Environmental - Author; Validation Monitoring Phase Progress Report For 2009 503 Railway Avenue Salmo, Bc Location No. 88002202 / Sap No. R02311*, 28-Jan-2010, O'Connor Associates - Author; Validation Monitoring Phase Progress Report For 2011, 503 Railway Ave, Salmo*, 30-Jan-2012, O'Connor Associates - Author; R02311validation*, 27-Jan-2011, O'Connor Associates - Author; Validation Monitoring Phase Progress Report For 2011, 503 Railway Ave, Salmo*, 31-Jan-2014, Parsons - Author; Validation Monitoring Phase Progress Report 2014 503 Railway Avenue Salmo, British Columbia Location No: 88004702/Sap No. Jf. 00531*, 23-Jan-2015, Parsons - Author; Validation Monitoring Phase Progress Report 2015 503 Railway Avenue, Salmo, British Columbia Location No: 88004702/Sap No. Jf.00531*, 20-Jan-2016, Parsons - Author; Approval In Principle Dated March 2002 503 Railway Salmo British Columbia Location No. 88002202 Sap No. Jf.00531*, 26-Jan-2016, Parsons - Author]
5303	n.d.
5311	[Former Salmo Service Station, 503 Railway Avenue, Salmo, B.C.*; 31-Aug-1999, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Rubeniuk, Myles - Recipient; Imperial Oil Limited (Burnaby) - Commissioner; Imperial Oil Limited (Burnaby) - Author; Site Monitoring And Sampling Report - 503 Railway Avenue, Salmo, B.C.*; 29-Nov-1999, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Rubeniuk, Myles - Recipient; Former Salmo Service Station, 503 Railway Avenue, Salmo, B.C.*; 16-Dec-1999, Rubeniuk, Myles - Recipient; Imperial Oil Limited (Burnaby) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
5313	[Former Salmo Service Station, 503 Railway Avenue, Salmo, B.C.*; 27-Jul-1999, 473984 Bc Ltd (Salmo) - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Imperial Oil Limited (Burnaby) - Author; Site Monitoring And Sampling Report - 503 Railway Avenue, Salmo, B.C.*; 16-Aug-1999, Imperial Oil Limited (Burnaby) - Commissioner, 473984 Bc Ltd (Salmo) - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Former Salmo Service Station, 503 Railway Avenue, Salmo, B.C.*; 29-Nov-1999, Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Imperial Oil Limited (Burnaby) - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; 473984 Bc Ltd (Salmo) - Recipient; Imperial Oil Limited (Burnaby) - Commissioner; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
8322	[Former Salmo Service Station, 503 Railway Avenue, Salmo, B.C.*; 27-Jul-1999, Waterstreet, Dennis And Norma - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Imperial Oil Limited (Burnaby) - Commissioner; Imperial Oil Limited (Burnaby) - Author; Site Monitoring And Sampling Report - 503 Railway Avenue, Salmo, B.C.*; 20-Nov-1999, Imperial Oil Limited (Burnaby) - Commissioner; Waterstreet, Dennis And Norma - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author; Former Salmo Service Station, 503 Railway Avenue, Salmo, B.C.*; 16-Dec-1999, Imperial Oil Limited (Burnaby) - Commissioner; Waterstreet, Dennis And Norma - Recipient; Morrow Environmental Consultants Inc (Burnaby (Commerce Court)) - Author]
14499	[Notice Of Independent Remediation: Salmo Highways Yard, Salmo, Bc*, 26-Jun-2003, Technology Resource Inc (North Vancouver) - Author; Murdoch, Wendy R (Cranbrook) - Recipient; Bc Buildings Corporation (Victoria) - Commissioner; Notice Of Completion Of Independent Remediation.*, 26-Aug-2003, Technology Resource Inc (North Vancouver) - Author; Stockerl, Ed (Nelson) - Recipient]
	n.d.





REPORT TO COUNCIL

DATE: August 22, 2024

SUBMITTED BY: Linda Tynan, Interim Chief Administrative Officer

SUBJECT: Request for Leave of Absence – Councillor Heatlie

RECOMMENDATION:

That council pass the following resolution:

THAT Councillor Jonathon Heatlie be granted a Leave of Absence from council for the period of August 27, 2024 to November 20, 2024.

PURPOSE:

To consider a request from Councillor Jonathan Heatlie for a temporary Leave of Absence from council duties.

BACKGROUND:

Councillor Jonathan Heatlie has requested that council grant a Leave of Absence from council duties until mid-end of November 2024. He has requested leave to attend to personal matters.

A council resolution is required to allow the Leave and to prevent disqualification from office due to absence from council meetings.

ANALYSIS:

Section 125 of the **Community Charter** addresses council attendance at council meetings and provides the ability for council to grant a Leave of Absence to a council member to prevent risk of disqualification.

Section 125(5): “A member of a council who, without leave of the council, is absent from council meetings for (a) 60 consecutive days or (b) 4 consecutive regularly scheduled council meetings, whichever is the longer, is disqualified from holding office.

Therefore, a council member can request a leave of absence, but it must be approved by the council to avoid the risk of disqualification.

Should council approve the request for a Leave of Absence, Councillor Heatlie will be required to abstain from participating in any council business during the period of the leave and not engage in council correspondence.

OPTIONS:

1. Grant the request for leave of absence until November 20, 2024.
2. Grant the request for leave of absence until a specified date.
3. Deny the request for leave of absence.

LINKS:

Community Charter Section 125: [Link is HERE](#)

Village of Salmo
Accounts Payable July 5 to August 22, 2024

Cheque #	Pay Date	Vendor Name	Description	Paid Amount
017515	2024-07-11	A.M.D Manufacturing Inc.	WWTP Supplies	\$4,015.20
017560	2024-07-25	Ace Courier Systems	CW, Water Sample Shipping Expenses	\$129.64
017595	2024-08-08	Ace Courier Systems	CW, Water Sample Shipping	\$189.91
017619	2024-08-22	Ace Courier Systems	Water Sample Shipping	\$57.54
017513	2024-07-11	Andrew Sheret Limited	KP Washroom Maintenance Supplies	\$192.63
017596	2024-08-08	Andrew Sheret Limited	Hydrant Maintenance/Shop Supplies	\$280.57
017564	2024-07-25	B Speers Contracting	Office Energy Efficiency Project	\$8,285.14
017562	2024-07-25	BC Assessment Authority	Annual Remittance	\$9,362.22
017621	2024-08-22	BC Vactoring Services Ltd	Sewer Cleaning Services	\$16,800.00
017563	2024-07-25	Bella Tire Service Centre Ltd.	Loader Tire Maintenance	\$510.50
017599	2024-08-08	BH Safety Gear	Safety Supplies	\$145.85
017620	2024-08-22	Bill's Heavy Duty Enterprises(2004) LTD	GMC Dump Truck Maintenance	\$4,426.28
017598	2024-08-08	Brandt Tractor Ltd.	Loader Maintenance	\$136.85
017602	2024-08-08	Cloverdale Paint Inc.	Summer Road Maintenance Supplies	\$474.29
175914	2024-07-08	Collabria	FD/CW/Office Supplies/Postage/Canada Day	\$1,725.81
6327438	2024-08-08	Collabria	FD/Bylaw/WWTP/Office Supplies	\$2,662.81
017517	2024-07-11	Columbia Basin Broadband Corporation	Internet Services	\$280.00
017603	2024-08-08	Columbia Basin Broadband Corporation	Internet Services	\$280.00
017516	2024-07-11	Commissionaires British Columbia	Bylaw Enforcement	\$332.65
017566	2024-07-25	Commissionaires British Columbia	Bylaw Enforcement	\$337.52
017600	2024-08-08	Commissionaires British Columbia	Bylaw Enforcement	\$792.33
017622	2024-08-22	Commissionaires British Columbia	Bylaw Enforcement	\$341.71
017601	2024-08-08	Custom Dozing Ltd.	Summer Road Supplies	\$2,352.00
017518	2024-07-11	Environmental Operators Certification	Staff Training	\$418.95
017567	2024-07-25	Environmental Operators Certification	Staff Training	\$418.95
017581	2024-07-25	Fortis BC - Natural Gas	Natural Gas Expenses	\$295.95
017616	2024-08-08	Fortis BC - Natural Gas	Natural Gas Expenses	\$36.04
017634	2024-08-22	Fortis BC - Natural Gas	Natural Gas Expenses	\$204.97
017568	2024-07-25	Fortis BC Inc.	Electricity Expenses	\$3,475.25
017604	2024-08-08	Fortis BC Inc.	Electricity Expenses	\$4,042.22
017623	2024-08-22	Fortis BC Inc.	Electricity Expenses	\$42.75
017624	2024-08-22	Gescan Division of Sonepar Canada Inc.	WWTP Harmonic Upgrades	\$3,736.32
017519	2024-07-11	GFL Environmental Inc. 2020	Garbage Collection Services	\$10,801.16
017605	2024-08-08	GFL Environmental Inc. 2020	Garbage Services	\$12,280.48
017606	2024-08-08	Home Hardware Building Centre	Summer Road Maintenance	\$78.38
017607	2024-08-08	Imperial Oil Esso	FD/Fleet Fuel Expenses	\$2,251.10
017618	2024-08-08	Inland Allcare	KP Washroom/Garbage Supplies	\$476.27

Village of Salmo
Accounts Payable July 5 to August 22, 2024

Cheque #	Pay Date	Vendor Name	Description	Paid Amount
017569	2024-07-25	International Selkirk Loop	Advertising	\$115.50
017629	2024-08-22	Kelowna Barrette	Janitorial Services	\$819.00
017520	2024-07-11	Kootenay Industrial Supply Ltd.	Grass Cutting Supplies	\$1,699.00
017570	2024-07-25	Kootenay Industrial Supply Ltd.	Shop Supplies	\$24.46
017625	2024-08-22	Kootenay Industrial Supply Ltd.	Grass Cutting Supplies	\$67.18
EFT	2024-08-01	Land Title & Survey Authority of BC	Account Top Up	\$75.00
017627	2024-08-22	Lidstone & Company	Legal Services	\$176.96
017609	2024-08-08	Linda Tynan Consulting Services	CAO Consulting Services	\$11,598.30
017571	2024-07-25	Lordco Auto Parts	Shop Supplies	\$50.21
017608	2024-08-08	Lordco Auto Parts	Shop, WWTP Supplies	\$39.68
017610	2024-08-08	Martech	Lift Station Maintenance	\$288.75
017575	2024-07-25	Mills Office Productivity	Office Supplies	\$118.51
017576	2024-07-25	Minister of Finance	Water License Fees	\$7,692.84
017521	2024-07-11	Mountain Logic Solutions Inc.	Glendale Well Maintenance	\$3,937.50
017574	2024-07-25	Municipal Finance Authority of BC	2024 Annual Remittance	\$47.64
017573	2024-07-25	Municipal Insurance Association of BC	Annual Cyber Liability Insurance	\$4,370.00
017522	2024-07-11	Ninco Construction Ltd.	KP Park Maintenance	\$3,045.00
017577	2024-07-25	Ninco Construction Ltd.	KP Park Gazebo Maintenance/Sidewalk Replacement Project	\$17,396.00
017611	2024-08-08	Passmore Laboratory Ltd.	Water Sample Testing	\$200.00
017628	2024-08-22	Power Tech Electric Ltd.	Solar Array Installation	\$81,506.25
017523	2024-07-11	Precision Service & Pumps Inc	Glendale Well Maintenance	\$15,424.88
EFT	2024-07-16	Province of BC	School Tax Remittance	\$61,644.68
017526	2024-07-11	Ralcomm Ltd.	FD Radio Maintenance	\$28.00
017630	2024-08-22	Ralcomm Ltd.	Fire Dept Radio Maintenance	\$94.08
017527	2024-07-11	Ready Engineering	Engineering Services	\$4,695.86
388706	2024-07-12	Receiver General for Canada	Payroll Remittance	\$14,652.48
EFT	2024-08-13	Receiver General for Canada	Payroll Remittance	\$13,737.47
017524	2024-07-11	Regional District of Central Kootenay	Building Permit Fees/Fiber to Home Installment #1	\$14,927.44
017579	2024-07-25	Regional District of Central Kootenay	2024 Annual Requisition/2024 Annual WK Hospital Board	\$403,491.98
017612	2024-08-08	Regional District of Central Kootenay	Remittance/Tipping Fees	\$2,094.92
017514	2024-07-11	Richens Ann	Building Permit Fees	\$1,930.00
017561	2024-07-25	Richens Ann	Campground Management	\$1,060.00
017597	2024-08-08	Richens Ann	Campground Management	\$625.00
017525	2024-07-11	Rogers	Campground Management	\$145.80
017613	2024-08-08	Rogers	Cellphone Expenses	\$187.81

Village of Salmo
Accounts Payable July 5 to August 22, 2024

Cheque #	Pay Date	Vendor Name	Description	Paid Amount
Pre-Authorized Debit	2024-08-21	Royal Bank Central Card Services	Service Fees	\$126.58
017532	2024-07-11	Salmo District Arts Council	Grant in Aid	\$300.00
017531	2024-07-11	Salmo Valley Pharmacy	Campground, Canada Day, Office Supplies	\$289.27
017633	2024-08-22	Salmo Valley Pharmacy	Shop Supplies	\$31.34
017530	2024-07-11	Salmo Village Grocery	Canada Day, KP Washroom, Office Supplies	\$107.18
017614	2024-08-08	Salmo Village Grocery	Office, Shop Supplies	\$121.38
017580	2024-07-25	Salmo Volunteer Fire Department	Bylaw #557 Annual Renumeration	\$4,500.00
017528	2024-07-11	Skyway Hardware (1985) Ltd.	Canada Day, Community Beautification, KP Washroom, Lion's Park Washroom, Sewer Collection, Shop Supplies/KP Park Maintenance	\$740.61
017631	2024-08-22	Skyway Hardware (1985) Ltd.	Bear Can, Garbage Collection, Hydrant, KP Ball Park, Large Equipment Building, Shop, Water Distribution Supplies	\$700.79
017533	2024-07-11	Spartan Controls Ltd.	WWTP Supplies	\$2,231.00
017615	2024-08-08	Sunco Communication & Installation	IT Services	\$1,263.81
017583	2024-07-25	Telus	Alarm Monitoring	\$57.75
017637	2024-08-22	Telus	Alarm Monitoring	\$57.75
017582	2024-07-25	Telus Communications Inc.	Telephone/Fax/Internet Expenses	\$1,269.49
017635	2024-08-22	Telus Communications Inc.	Telephone/Fax/Internet Services	\$1,232.62
017535	2024-07-11	Terus Construction Ltd.	Patch Paving	\$22,552.95
017636	2024-08-22	Terwoord Hendrik	CW Shop Supplies	\$1,000.00
017534	2024-07-11	Trowelex Rentals & Sales	CW Safety Supplies	\$90.65
017617	2024-08-08	VitalAire	FD Supplies	\$17.37
017639	2024-08-22	Waterline Resources Inc.	Water Source Protection Plan	\$5,884.04
017536	2024-07-11	Wholesale Fire & Rescue Ltd.	FD Supplies	\$668.58
017584	2024-07-25	Wholesale Fire & Rescue Ltd.	FD Supplies	\$1,706.79
017638	2024-08-22	Wholesale Fire & Rescue Ltd.	Fire Dept Supplies & Gear	\$1,224.87
017585	2024-07-25	Woodberry Wildland	Tree Removal Services	\$840.00
EFT	2024-07-15	Workers' Compensation Board of BC	Quarterly Remittance	\$4,295.82
		Employee Benefits, Reimbursements and Salaries (PP14-17, Council 7)		\$85,216.72
		Total:		\$897,205.78

Village of Salmo
 Accounts Payable July 5 to August 22, 2024

Paid Amount

Cheque #	Pay Date	Vendor Name	Description	Paid Amount
Credit Card Details:				
Adobe	\$49.10			
Canada Day Supplies	\$327.69			
CW/WWTP Supplies	\$451.95			
Dog Tags	\$129.33			
FD GPS Subscription	\$72.75			
Postage	\$5.51			
Promo Supplies	\$471.48			
Recycle Depot Camera	\$218.00			
	\$1,725.81			

Credit Card Details:				
Adobe/Website	\$81.28			
Bylaw Enforcement	\$25.45			
Canada Day Supplies	\$50.04			
CW/WWTP Supplies	\$1,441.04			
FD GPS Subscription	\$72.75			
UBCM Conference	\$992.25			
	\$2,662.81			

Village of Salmo Regular Council Meeting #12-24
 Treasurer's Report as of July 31, 2024

Account Name	31-Jul-24		30-Jun-24		31-Jul-23	
	Balance		Balance		Balance	
Chequing Community Plus (Operating Account)	\$3,294,350.87		\$3,214,619.26		\$2,801,672.96	
Masterplan Community Plus - Wellness Centre Equipment	\$0.00		\$0.00		\$0.00	
Masterplan Community Plus - Community Works	\$421,783.79		\$421,766.02		\$202.10	
Masterplan Community Plus - Salmo Parks	\$2,529.55		\$2,525.77		\$2,485.32	
Masterplan Community Plus - Growing Community	\$0.00		\$0.00		\$0.00	
Maximizer Community Plus - Civic Works Reserves	\$145,798.08		\$145,163.93		\$156,341.73	
Maximizer Community Plus - Sewer Civic Works Reserves	\$51,906.89		\$51,829.86		\$32,400.15	
Maximizer Community Plus - Cemetery Care	\$25,988.93		\$25,950.36		\$25,537.17	
Maximizer Community Plus - Water Civic Works Reserves	\$290,341.91		\$289,911.01		\$285,295.10	
Maximizer Community Plus - Lions Park (Previously Curling Rink)	\$17,563.59		\$17,537.52		\$17,258.29	
Maximizer Community Plus - Wellness Centre	\$110,717.29		\$110,552.97		\$108,792.75	
Maximizer Community Plus - Fire Department Equipment	\$89,263.31		\$89,130.83		\$87,711.69	
Maximizer Community Plus - Jaws of Life	\$201,403.82		\$201,104.92		\$197,902.97	
Maximizer Community Plus - Ambulance	\$12,858.57		\$12,839.49		\$12,635.07	
Membership Shares	\$25.00		\$25.00		\$25.00	
Patronage Shares	\$2,238.00		\$2,238.00		\$2,238.00	
	\$4,666,769.60		\$4,585,194.94		\$3,730,498.30	
Accounts Receivable						
Utilities	\$82,558.53					
Taxes	\$161,674.17					
Other	\$69.50					
	\$244,302.20					
Accounts Payable						
	\$34,080.74					
Grand Total (Assets minus Liabilities)	\$4,876,991.06					



DATE Jul. 24/24
NO 48 TO MHC-Aug. 27/24
FILE NO 0400-20
VILLAGE OF SALMO

July 24, 2024

Reference: 68879

Dear Mayors and Chairs:

Last year, to support our government's ongoing work in tackling the housing crisis and providing more homes to meet the needs of British Columbians, we passed legislation requiring local governments to update their zoning bylaws to make it easier to build Small-Scale Multi-Unit Housing (SSMUH). I would like to acknowledge the tremendous work that most local governments across BC have undertaken to comply with this new legislation.

As you are aware, the compliance date for zoning bylaw amendments was June 30, 2024. All local governments were required to notify the Ministry of Housing that they have amended their bylaws in accordance with the SSMUH requirements in Bill 44: *Housing Statutes (Residential Development) Amendment Act, 2023* legislation by the compliance date.

The Province will be working to ensure that all local governments are in compliance with the legislation. We will be undertaking a comprehensive evaluation of the implementation of the legislation by local governments, including consideration of how recommended provincial standards have been applied, to ensure it is effective at creating the conditions across BC to get more housing built and does not deter building much needed homes for people.

As you are aware the deadline to apply for an extension to the compliance date for the SSMUH requirements has passed. Local governments that have applied for an extension for part of their community were still required to adopt an amended zoning bylaw by June 30, 2024 for all areas for which they have not requested an extension. If your local government has applied for an extension, please be assured the Ministry of Housing is currently processing applications, and decisions will be communicated as they are made.

Page 1 of 2

Office of the
Minister of Housing

Website:
www.gov.bc.ca/housing

Mailing Address:
PO Box 9074 Stn Prov Govt
Victoria BC V8W 9E9
Phone: 236 478-3970

Location:
Parliament Buildings
Victoria BC V8V 1X4
Email: HOUS.Minister@gov.bc.ca

Local governments who have not complied with the legislative requirements or requested an extension may receive a 30-day compliance notice. After the 30 days, the Province can issue a Ministerial Order overriding the local government zoning bylaw to comply with the legislation and putting the basic site standards from the SSMUH policy manual in place until the local government passes their own bylaw amendments. By ensuring SSMUH zoning has been adopted, we are supporting building more homes for people faster by reducing delays for anyone who wants to build this type of housing.

Please express my gratitude to your council colleagues and staff for all of their hard work to bring about these changes to make it easier for families to build this much needed housing in your community. I look forward to our continued work together to ensure that all British Columbians have access to the homes that they need.

Sincerely,

A handwritten signature in black ink, appearing to be 'Ravi Kahlon', written in a cursive style.

Ravi Kahlon
Minister of Housing

cc: Chief Administrative Officers
City Managers



DATE July 29/24
 NO 49 TO M+C - Aug. 27/24
 FILE NO 0510-20 July 29, 2024
 VILLAGE OF SALMO

Mayor and Council
 Village of Salmo
 423 Davies Ave
 Salmo, BC, V0G 1Z0
 Sent Via Email: mayor.lockwood@salmo.ca

RE: ForestryWorksforBC

Dear Mayor Lockwood and Salmo Council Members,

We are writing to local governments across British Columbia to introduce the ForestryWorksforBC campaign, a new grassroots initiative to raise awareness about the critical role forestry plays in the well-being of rural and urban communities.

ForestryWorksforBC is a group of forest-based organizations and companies, representing more than 1,000 businesses engaged in all aspects of British Columbia's forestry sector. We are proud to stand up for tens of thousands of workers and their families who are concerned about the future of forestry in British Columbia. This campaign includes the voices of regular British Columbians who have sent letters to provincial leaders sharing their personal stories, as well as a range of other organizations and companies that have played a part in building British Columbia's forest sector. We believe that a better and brighter future in this province needs a strong forest sector.

Forestry matters in every corner of BC. From hospitals to schools, roads, and communities, forestry has been the foundation of all that we hold dear in this province. Forestry is a renewable sector – and it has been a thriving sector while harvesting just a fraction of one percent of the forest land base each year. But the future of forestry in BC is uncertain.

Harvest levels have dropped by 42% since 2018 and half of BC's mills have been lost in the last two decades. Today, harvest levels have fallen to less than 60% of the sustainable allowable annual cut (AAC) set by the province's chief forester.

When access to the AAC is unreliable, harvest levels drop, government revenues for critical services decline, and the impact reaches every British Columbian. Here are a few quotes from voices across the province:

- *"I don't see a future in my industry in BC... It kills me to leave this province as my family all live here. My wife is a nurse... her hospital is severely understaffed and will cry to see another hole to fill."*
- *"As businesses disappear, so do the jobs and many small communities have nothing to replace them with. The communities themselves become unstable."*

- “I am 24 years old... I used to think this was a career I could cherish but I can no longer see myself pursuing a lifelong career in forestry.”
- “Our province is losing some of its most productive workers, successful contractors, and essential investment dollars every day.”

Through the ForestryWorksforBC campaign, people are rallying their voices to let our provincial leaders know these impacts are too much and that, without reliable and timely access to the AAC, we have a lot more to lose than mills.

The momentum is growing in communities. Mayor Kermit Dahl of Campbell River raised concerns in a public letter to the minister for forests; the Kamloops council has recognized a critical need to support forestry through a forestry-focused resolution submitted the Union of BC Municipalities convention this fall; and Lheidli T’enneh Chief Dollen Logan and George Lampreau, chief of the Simpcw First Nation near Barriere were joined by the mayors of McBride, Prince George, and Valemount to voice their concern over the crisis in the forest sector.

We ask that you include a discussion of this important topic on your next council agenda and consider joining other communities in sending a letter to provincial representatives to let them know that ForestryWorks for your community too. You can see a template letter on our website at <https://forestryworksforbc.ca/send-the-message/>

We invite you to review the attached documents and visit our website to learn more.

Sincerely,



Bob Brash, Executive Director
Truck Loggers Association



John Nester, President
North West Loggers Association



Christine Lavoie, President
Forest Nursery Association of B.C.



John Betts, Executive Director
Western Forestry Contractors’ Association



Todd Chamberlain, General Manager
Interior Logging Association

for/ ForestryWorksforBC

Forestry Works for BC

Forestry matters in every corner of BC. From hospitals, schools and roads and communities; forestry has been the foundation of all that we hold dear in this province.



A Stronger BC Needs a Stronger Forest Sector

- Help with people's everyday costs
- Deliver more homes for people, faster
- Strengthen health and mental health care
- Deliver services people rely on
- Support a stronger, cleaner economy
- Build infrastructure for the future

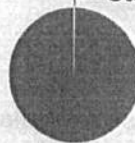
Get Involved

It is not trees versus jobs; its quality of life and an allowable annual cut we can all count on. It's time BC's leaders commit to **both** because **ForestryWorksforBC**.

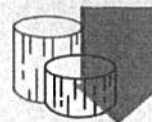
- **Send a message to government** — by mail or on our website
- **Follow us on social media** and share the campaign with your community
- **Ask your MLA and MLA candidates how they'll help ensure** that forestry provides for BC into the future

The Future of BC Forestry is Uncertain

0.3% The allowable annual cut (AAC) in BC is **1/3 of one percent** of all the forest land in the province



...but...government-issued cutting permits have slowed



...and now...harvest levels are less than 60% of the sustainable AAC.

**FORESTRY
WORKS FOR BC**

hello@ForestryWorksForBC.ca
ForestryWorksForBC.ca



#ForestryWorksForBC



Take action!
Send your MLA
letter today!

Who We Are

We are a group of forest-based organizations and companies, representing more than 1,000 businesses engaged in all aspects of British Columbia's forestry sector. We are proud to stand up for tens of thousands of workers and their families who are concerned about the future of forestry in British Columbia.



This campaign includes the voices of regular British Columbians who have sent letters to provincial leaders sharing their personal stories, as well as a range of organizations and companies that have all played a part in building British Columbia's forest sector and are committed to a better future for our province.

\$7 Billion of local goods and services purchased



Supporting 9,900 businesses in over **340** communities and **120** Indigenous Nations and organizations*

\$6.6 Billion



in annual government revenues that support essential public services and infrastructure.



\$15.8 Billion

Investment in BC's future by the forest sector in operations and upgrades across communities between 2013-2022.

Forestry Supports Employment

The sector provides about nearly 50k direct jobs and supports even more.

Forestry supports 51,000+ additional jobs through supporting local business.

48,725 Direct Jobs **100,000**

All combined, forestry supports **over 100,000** BC jobs

The Forestry Sector Supports **More** than

\$9 Billion in wages, salary, and benefits.

*Source: 2019 Regional Supply Chain Study- COFI.org

**FORESTRY
WORKS FOR BC**

hello@ForestryWorksForBC.ca
ForestryWorksForBC.ca

  #ForestryWorksForBC



Take action!
Send your MLA
letter today!

New Initiative Calls on British Columbians to Stand Up For Forestry

VANCOUVER, British Columbia, June 3, 2024 – A new grassroots initiative is encouraging British Columbians to be better informed on B.C.'s forest sector and take action through various activities including [online letters](#) and informing local governments to raise the importance of forestry to British Columbians.

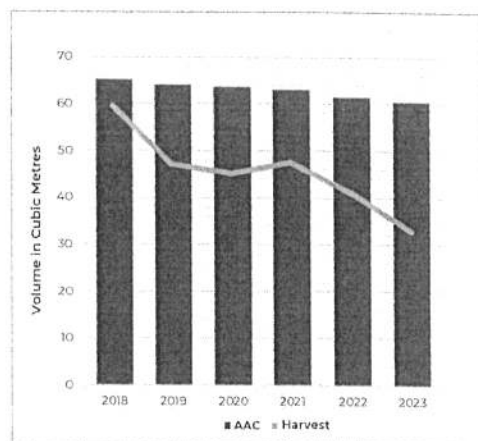
Across the province, small, medium and large forest companies, family-owned enterprises and local businesses have joined forces through ForestryWorksForBC, a new grassroots initiative to address the sectors' uncertain future and its impact on British Columbians and communities that rely on the revenues from forestry to support critical services like roads, schools, and health care.

“Forestry matters in every corner of B.C., from hospitals, schools and roads and communities; forest jobs and forest revenues have been the foundation of all that we hold dear in this province,” said Bob Brash, executive director of the Truck Loggers Association. “Ensuring reliable and timely access to the allowable annual cut (AAC) means we can build affordable, climate-friendly homes for British Columbians; and we can keep people in their homes and communities with good paying jobs.”

In the last 20 years nearly half of all B.C. sawmills have closed. Some of this is the result of natural forces like wildfire and mountain pine beetle but increasing policy changes and escalating complexity have created instability and reduced cutting permits and investment. Today harvest levels are less than 60 per of the AAC set by the Province's chief forester.

Dean Garofano, president and chief operating officer at Delta Forestry Group, has been conducting crew talks across the company and hanging posters around the mill to build momentum for the campaign. “Our workers see the lack of logs coming in, and they are concerned about the future not just for themselves but the communities they call home,” said Garofano. “This initiative gives everyone who cares about forestry and the future of this province a voice – when BC's forest sector does well, we all do better.”

A Rapid Decline in Harvest Levels



Source: BC AAC and Harvest Levels 2018-2023 – COFI.org

- 30 -

For More Information:

Visit: www.forestryworksforbc.ca

Email: hello@forestryworksforbc.ca

August 12, 2024

To Whom It May Concern:

Re: Sheep Creek Nutrient Addition Program

In light of recent concerns expressed about the effects of BC Hydro's nutrient addition program in Sheep Creek, we would like to provide information about the program and the recent water quality analyses that took place in July, which confirms that the water in Sheep Creek meets and exceeds BC Water Quality Guidelines for drinking water.

BENEFITS OF THE SHEEP CREEK NUTRIENT ADDITION PROGRAM

Many freshwater streams in British Columbia, including Sheep Creek, are naturally poor in available nutrients and have naturally low productivity¹. These streams have typically relied on natural contributions from fish, the surrounding vegetation, and as erosion during freshet to form the building blocks of the food chain. Without natural nutrient contributions, freshwater ecosystems are typically phosphorus-limited and can also be nitrogen-limited, which has an adverse impact on the native fish that live in these streams.

Nutrient addition is a proven method to effectively enhance naturally poor freshwater ecosystems and help native fish populations. Adding nitrogen and phosphorus is a proven and effective method to enhance nutrient-depressed ecosystems by supplementing algal growth. This occurs in a number of freshwater watersheds across the province, including Arrow Lakes Reservoir, Kootenay Lake, Seymour River, Wahleach Reservoir, Alouette Reservoir, and the Seymour, Salmon, and Ash Rivers.

Nutrient addition programs work by adding small quantities of nitrogen and phosphorus to provide better growing conditions for algae. This provides additional food and shelter for insects and other invertebrates, which are then consumed by native fish. The overall outcome of nutrient addition programs is more food and better growing conditions for fish, which helps to ensure a healthy and robust fish population.

PROJECT BACKGROUND

The Sheep Creek nutrient addition program has been running for several years without any incident. The program was originally developed and implemented by the Salmo River Streamkeepers Society (SWSS). The SWSS spent three years studying the effects and benefits of the program before initiating trial nutrient releases in 2004². After several years of successful trials, the project was funded annually through grants from the Fish and Wildlife Compensation Program to enhance Bull Trout populations, which is a species of concern in B.C. The project was transitioned to BC Hydro in 2018 as part of our Fisheries

¹ BC Hydro can provide references from the scientific literature for all similar assertions.

² Please note that this project was on hiatus between 2010 and 2012.

Act Authorization commitment. The project was reviewed by a panel of scientists from Fisheries and Oceans Canada, Ministry of Environment, and local First Nations before it was accepted. The program has shared information with the Salmo community several times over the last 20 years of operations.

WATER QUALITY

The effect of nutrients addition on water quality is a valid concern. In early July of 2024, an independent research laboratory, CARO Lab (www.caro.ca), analyzed water samples from Sheep Creek to determine if they met the Canadian government drinking water quality guidelines. Two samples, with replicates, were analyzed: one upstream of the nutrient addition site, the other 1 km downstream of the site.

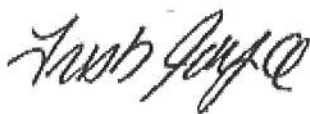
The results of this testing concluded that the water in Sheep Creek **meets all Canadian water quality guidelines for drinking water**. For example, the maximum acceptable concentration (MAC) for nitrates in drinking water is 45 mg/L and 3 mg/L for nitrites³. CARO lab results show that the maximum recorded concentration in Sheep Creek below the nutrient application site was 0.031 mg/L for nitrates in July and < 0.010 mg/L for nitrites. In other words, it was more than 1,400 times lower than the MAC for nitrates and at least 300 times lower for nitrites. For phosphates⁴, the MAC is less than 40 mg/L and was 0.0242 mg/L in Sheep Creek, or more than 1,600 times lower than the MAC. A full copy of the report is available on request.

SUMMARY

The Sheep Creek fertilization program is being implemented to benefit Bull Trout (a species of special concern in B.C.) in the Salmo River watershed. It was reviewed by a panel of scientists prior to implementation, and recent water analyses confirm that Sheep Creek water quality easily meets all Canadian water quality guidelines for drinking water.

I hope that this information is helpful. If you have any questions or concerns about this project, please don't hesitate to reach out to me directly at trish.joyce@bchydro.com.

Sincerely,



Trish Joyce
Water Licence Requirements

³ Guidelines for Canadian Drinking Water Quality: Guideline Technical Document – Nitrate and Nitrite: <https://www.canada.ca/en/health-canada/services/publications/healthy-living/guidelines-canadian-drinking-water-quality-guideline-technical-document-nitrate-nitrite.html>.

⁴ There is no guideline for phosphorus or phosphates in the Canadian Water Drinking Quality guidelines: (https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-tables-eng-2024-07.pdf). The 40 mg/L MAC is from the US Environmental Protection Agency.



Diana L.D. Lockwood
Mayor

Salmo Valley Trails Society,

August 13, 2024

I am writing to express my enthusiastic support for Salmo Valley Trails Society in its application for a grant from the Provincial Government through the Rural Economic Diversification and Development Program (REDIP) funds. This grant can be a valuable resource for the recreation community for health and wellness. They are intending to hire local people to do this work. There is a positive impact by the Trails Society on outdoor recreation landscape.

The grant from the REDIP funds would undoubtedly enable the Trails Society to expand its reach and continue its valuable work. With additional funding, the trails society can further develop its trails, giving underserved populations opportunity to recreate freely, and create more opportunities for people to be outdoors.

I have no doubt that the Salmo Valley Trails Society will make excellent use of the grant funds for developing trails and making an impact on our community. I wholeheartedly endorse their application and urge the Rural Economic Diversification and Development Program to consider their proposal favorably.

Kind Regards,

Diana Lockwood,

Mayor of the Village of Salmo

Office of the Mayor
Village of Salmo

423 Davies Avenue, Salmo, BC V0G 1Z0 Ph: 250-357-9433 Email: mayor.lockwood@salmo.ca

Brandy Jessup

From: daniel leslie <danieldharma@gmail.com>
Sent: August 2, 2024 1:10 PM
To: Village of Salmo
Subject: Salmo Valley Trail Society - Letter of Support

Hello and good day Mayor and Councillors of the Village of Salmo,

The Salmo Valley Trail Society has been operating as a BC registered non-profit for many years; providing recreation opportunities for both locals and those visiting from elsewhere. Our organization is run by hard working volunteers who are also local teachers, small business owners, paramedics, parents and nurses. We are active in our community and share with you a common goal of healthy and active recreation in our region.

To achieve this goal we compete hard for grant money anywhere we might find it. We are excited to be recently approved by Rec Sites and Trails for trail development in an area we are calling the south slopes between the Salmo Cemetery and Erie Creek. This new trail network will connect the Village of Salmo to our existing Hooch Creek trail network.

The value that our trails add to the community are well known to all of you, your friends and your family. We use the trails for exercise, for serenity in wild places and for exhilarating experiences. These trails are wonderful for our mental health and sense of connection to nature and each other. Salmo is well known for its "bounty of recreation opportunities" and has committed in the 2020 OCP to "continue providing outdoor recreation opportunities in the surrounding area, to both residents and visitors". Our work to increase trails in the Salmo Valley directly improves the well being of its citizens and can bring much needed and significant recreation tourism dollars to our community.

We are applying to the Provincial government through the Rural Economic Diversification and Development Program (REDIP). These funds will be used to develop the new trail network which will consist of several multi use trails and include one or more adaptive trails to increase opportunity and inclusivity for trail access and use.

We are asking the Village of Salmo for a letter of support for our application and invite you to join us in our enthusiasm for this new trail network.

We can provide you with any specific details that you might need to make a decision on this request and will follow up promptly if there are any further questions. Below you will find a link to the REDIP program guide as well as a recent report by the Outdoor Recreation Council of BC.

Sincerely,

Directors and Committee members
Salmo Valley Trail Society



Diana L.D. Lockwood
Mayor

Salmo Valley Trails Society,

August 13, 2024

I am writing to express my enthusiastic support for Salmo Valley Trails Society in its application for a grant from the Provincial Government through the Community Gaming Grant funds. This grant can be a valuable resource for the recreation community for health and wellness. They are intending to hire local people to do this work. There is a positive impact by the Trails Society on outdoor recreation landscape.

The grant from Community Gaming would undoubtedly enable the Trails Society to expand its reach and continue its valuable work. With additional funding, the trails society can further develop its trails, giving underserved populations opportunity to recreate freely, and create more opportunities for people to be outdoors.

I have no doubt that the Salmo Valley Trails Society will make excellent use of the grant funds for developing trails and making an impact on our community. I wholeheartedly endorse their application and urge the Community Gaming Grants Committee to consider their proposal favorably.

Kind Regards,

Diana Lockwood,

Mayor of the Village of Salmo

Office of the Mayor
Village of Salmo

423 Davies Avenue, Salmo, BC V0G 1Z0 Ph: 250-357-9433 Email: mayor.lockwood@salmo.ca

Brandy Jessup

From: daniel leslie <danieldharma@gmail.com>
Sent: August 12, 2024 3:51 PM
To: Village of Salmo
Subject: Request for yet another letter of support - Salmo Valley Trail Society

Village of Salmo Mayor Lockwood Counsellors,

We are applying for the Community Gaming Grant through the Provincial Government and would really appreciate a letter of support for it as well. This grant money would be used for the South Slopes project as well bringing all of the benefits previously described in my other email. We have employed up to 5 people in the past and hope to continue being a seasonal employer in the area bringing much needed jobs to people of the Salmo area.

Please let me know if a letter of support is at all possible and we will delay submitting the grant. I truly hope that the Village of Salmo Counsellors see the benefit to Salmo and the surrounding area to invest in this infrastructure. Investment in this type of recreational opportunities can bring people together, allow for diversification of industry and grow businesses and services for Salmo.

Please let me know if you have any questions or concerns. I look forward to hearing from you.

Sincerely,

Daniel Leslie
Salmo Valley Trail Society



DATE Aug. 20/24
NO 51 TO Mon - Aug. 27/24
FILE NO 0400-60
VILLAGE OF SALMO

Job Number: 130458

August 20, 2024

Village of Salmo
423 Davies Ave.
PO Box 1000
Salmo BC V0G 1Z0

Dear Village of Salmo,

Request for Reduction of Water Use - Drought Level 3

B.C. experienced severe drought last year and remains at high risk this year. Many areas in Kootenay Boundary Region are already experiencing severely dry conditions. The West Kootenay has been elevated to Drought Level 3. This means adverse impacts to people and the environment are possible. We all need to take action to start saving water.

All water users are asked to voluntarily minimize water use and withdrawals for essential and non-essential purposes.

Making voluntary reductions now may prevent or delay the need to restrict or suspend water use later in the season. Temporary protection orders may be issued as a last resort if voluntary efforts are not enough to restore water flows and protect at-risk fish and the environment from long-lasting or irreversible harm. By working together, we can all be better prepared for a severe drought.

Communities may also issue water restrictions depending on local water supply and demand. If you also use water from a water provider, check with your local authority for water restrictions in your area.

Saving water is everyone's responsibility, even more so in times of drought. Small changes make a big difference when we do them together.

Why your help matters

When conditions are dry, surface water and groundwater levels can drop if there's not enough rain or snowmelt to replenish them. Groundwater can be connected to surface water. This means diverting groundwater can also lower levels in nearby rivers and streams.

Sustained low stream flows and above average water temperatures can stress or kill fish. This

can cause significant or irreversible harm to fish populations and species at risk, and impact other wildlife and critical habitats.

We also need to make sure there is a fair supply of water for people to drink, grow our food, and fight fires.

Current conditions in your area

The West Kootenay provides important habitat for many culturally and ecologically significant fish and other wildlife species. Numerous streams are experiencing low seasonal flows in the order of less than 5 percentile which is a core indicator of drought level. Select stream flows across the basin are approaching 10 percent of the Mean Annual Discharge (MAD m³/s) indicating potential stress to aquatic ecosystems. This is an important environmental flow needs (EFN) threshold.

Stay informed about conditions in your area by visiting the B.C. Drought Information Portal regularly at droughtportal.gov.bc.ca.

What you can do

Follow the obligations and withdrawal limits in your water licence. If you also use water from a water provider, follow local water restrictions in your community.

Review and monitor your water usage. Reduce non-essential water use and find ways to use less water for essential purposes. You can also save water by reducing what you use water for, and the frequency of that use.

Irrigators should repair leaks in irrigation systems, improve sprinkler irrigation efficiency, use a soil moisture device to determine when to irrigate, complete regular nozzle checks, and coordinate community irrigation scheduling. Storage licensees are encouraged to rely on their stored water and minimize stream/aquifer diversions. Drought resources and supports are available to farmers and food producers at gov.bc.ca/AgDrought.

If drought conditions worsen

The Province will continue monitoring drought conditions. If drought levels increase, you can expect to receive further requests for voluntary water reductions. If voluntary efforts are not enough to restore critical water flows, temporary protection orders may be issued as a last resort to legally restrict or suspend water use.

To protect water licence holders and the environment, we will continue to investigate and address unauthorized water use. While our first step is always to work together to help people come into compliance, enforcement action may be taken on unauthorized users and anyone who does not follow authorized withdrawal limits or temporary protection orders. Failure to comply could result in administrative penalties of up to \$500,000 under the *Water Sustainability Act* and regulations.

Incidents of suspected water and environmental violations can be reported to the Natural Resource Violation line at 1-877-952-7277.

Drought preparation and response

The Government of B.C. is working with communities, farmers and businesses to prepare for drought now, and in the years to come. This includes monitoring conditions, supporting farmers and food producers, building infrastructure to better manage and store water, protecting fish, animals and the environment, and encouraging everyone to use less water. Learn how B.C. is preparing and responding to drought at gov.bc.ca/Drought. Thank you for your efforts to save water. By working together, we can respond early, recover faster, and be more ready for the future.

If you have any questions about drought conditions and your role in drought response, please contact KBwaterinfo@gov.bc.ca via email.

For reference, our records indicate you hold the following water licences in this area:

- Licence:** 502393 **Source:** 496
- **Purpose Use:** Waterworks: Local Provider
 - **Quantity:** 380,270.00000 m3/year

Email contact information

If you have received this correspondence via regular mail or need to update your contact information, please provide a current email contact so the Ministry of Water, Lands and Resource Stewardship may more effectively communicate concerning water licence notifications in the future. **Please reference your water licence number and email the preferred contact email information to KBWaterInfo@gov.bc.ca.**

Sincerely,



Tracy Ronmark MRM, P.Ag.
Director of Authorizations

CC:
Enclosure(s)



DATE Aug. 22/24
NO 53 TO M+C - Aug. 27/24
FILE NO 0400-60
VILLAGE OF SALMO

City of Pitt Meadows
OFFICE OF THE MAYOR

August 22, 2024

File No: 01-0400-50/24

To: Members of Council attending the 2024 UBCM Convention

Re: City of Pitt Meadows Resolutions to Reform the Farm Property Tax System

On behalf of the City of Pitt Meadows' Council, our attending City Councillors and I are looking forward to the upcoming 2024 UBCM Convention with you in September.

Aligned with the [City of Pitt Meadows' Strategic Plan](#) and with this year's conference theme, "Ride the Wave, illuminating innovative approaches to persistent issues", I am writing you to raise awareness of the three resolutions we are asking for your endorsement. Please help us in calling on the Province of British Columbia to reform the farm property tax system.

The City's [Agricultural Viability Strategy](#) identifies farm property tax reform - including updates to income thresholds, changes to the school tax exemption, and targeted land tax on unfarmed land - as a key action for stimulating a productive agricultural land base.

Our aim is to protect farmland for farming and improve the viability of the agriculture sector. Our resolutions will ensure farmland across the province is not used for real estate speculation and that farm tax benefits encourage farming.

We are asking that you please endorse the following resolutions:

NR76 – School Tax Exemption

NR77 – Unfarmed Land Tax

NR92 – Minimum Income Requirements for Farm Classification

... /2

In Pitt Meadows, we are committed to a thriving and resilient agricultural sector where farmers are valued, productive lands are supported, and producers are equipped to adapt to changing social, economic and environmental conditions.

Please visit pittmeadows.ca/agriculture for more information about our resolutions and a list of those who have already endorsed them, including the Lower Mainland Local Government Association.

Thank you in advance for your support.

Yours Truly,

A handwritten signature in black ink, appearing to be 'NM', written in a cursive style.

Nicole MacDonald
Mayor

cc: UBCM Municipalities

August 23, 2024

DATE Aug. 23/24
NO 54 TOM+C-Aug. 27/24
FILE NO 1855-03
VILLAGE OF SALMO

Mayor Diana Lockwood and Council
Village of Salmo
Box 1000
Salmo, BC V0G 1Z0

Dear Mayor Diana Lockwood and Council:

**RE: CANADA COMMUNITY-BUILDING FUND: FIRST COMMUNITY WORKS FUND
PAYMENT FOR 2024/2025**

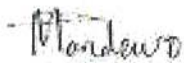
I am pleased to advise that UBCM is in the process of distributing the first Community Works Fund (CWF) payment for fiscal 2024/2025. An electronic transfer of \$57,660 is expected to occur in August 2024. This payment is made in accordance with the payment schedule set out in your CWF Agreement with UBCM (see section 4 of your Agreement).

CWF is made available to eligible local governments by the Government of Canada pursuant to the Administrative Agreement. Funding under the program may be directed to local priorities that fall within one of the eligible project categories.

Further details regarding use of CWF and project eligibility are outlined in your CWF Agreement and details on the Canada Community-Building Fund can be found on our [website](#).

For further information, please contact Canada Community-Building Fund Program Services by e-mail at ccbf@ubcm.ca or by phone at 250-356-5134.

Sincerely,



Councillor Trish Mandewo
UBCM President

PC: Nathan Russ, Chief Financial Officer



THE CORPORATION OF THE VILLAGE OF SALMO REPORT FROM MAYOR/DIRECTOR

MAYOR LOCKWOOD

Mayor Report for Council Meeting held on August 27, 2024.

Salmo & Area G Emergency Preparedness Committee: Salmo and Area G have been extremely fortunate to not have had to deal with Wildfires or any emergencies to date. Highway patrol was in full force during Shambhala. The RDCK EOC has been extremely busy with all the wildfires that have forced people out of their homes and are now helping to get those people back into their homes.

Fire Department:

Citizen Engagement: The sewer flushing that council approved in the budget has been the talk. This flushing will allow us to know how our sewer pipes are doing and if there are maintenance/repairs we need to do. This will help with our asset management which is the responsible thing to do for the residents of Salmo.

I have had a few inquiries over the signs up Sheep Creek about the nutrient that is being placed in the creek for the fish. Please see a letter from BC Hydro explaining what it is about and why they are doing this.

Salmo Valley Trails Society reached out for two support letters for grants they are applying for to do work on trails in Area G.

There has been inquiries about a drone flying around out on Airport Road. This drone belongs to Fortis and they are doing work on their lines. You will see some marking on roadways as well.

Salmo & District Arts Council: The Arts council will be doing events and if you would like to follow them on Facebook you can at **Salmo & District Arts Council**.

RDCK:

Board: The Public Notice Bylaw has been adopted. Bylaw No. 2966. Also, updating the Procedure Bylaw which will come back to the board for review before being advertised for the public to give comments.

The board has entered into a consulting services agreement with Ottotod Engineering Corp for the Narrows Transfer Station Expansion project for a maximum of \$60,609.00 through the Central Subregion.

The board is requesting a meeting with the Ministry of Agriculture and Agriculture Land Commission staff to reintroduce the topic of reviewing and modernizing the ALR with the view of being able to identify land without agriculture capability that could support potential housing projects.

All Recreation: Next meeting September 25, 2024

Salmo & Area G Recreation Commission: Next meeting September 9, 2024

Economic Trust of the Southern Interior – BC (ETSI-BC): Next meeting October 3, 2024

Central Resource Recovery: Next meeting TBD

Joint Resource Recovery: Central Resource Recovery has extended the depot lease for Kokanee Creek Marina Recycling Depot until December 31, 2024. The committee will review the contract at that time to determine if we will continue with the lease.

West Kootenay Hospital Board: Next meeting October 23, 2024

Nelson, Salmo, E, F, & G Regional Parks: Next meeting September 10, 2024

Parks, Trails, Water Access Working Group: Next meeting TBD

Emergency Program Executive Committee: we approved a policy to allow those affected by evacuation to have free access for dumping fees for spoiled items (Slocan Valley area)

West Transit: Next meeting TBD

Other meetings of note:

Mayor's and chair Highway 3 Coalition: Next meeting September 2024

Ministry and/or MLA Meetings: Salmo Community Resource Services (SCRS) held a meeting with the MLA, and invited some organizations and individuals to the meeting to discuss how to proceed with housing that is needed. Director Cunningham, Salmo & Area Supportive Housing, Salmo Seniors Housing Society, Councillor Cox, Jacque Huser, staff from SCRS, and myself discussed housing needs, the potential for affordable housing projects, and how to continue with the next steps. Information was shared on what other communities are doing and how they have succeeded in developing housing.

MP Meetings: MP Morrison was invited to hear from community members that are immigrants and their concerns with the immigration program. Columbia Basin Alliance for Literacy (CBAL) and Salmo Community Resource Services (SCRS) also attended. CBAL has a coordinator that works with the services that are provided and SCRS does not have any services and was here to listen and learn about this issue.

IHA and Mayor's meeting: Great news from our Wellness Center: they are receiving more funding to increase the number of doctors for Salmo and Area G to three full time doctors. You can find the posting on Healthmatch BC and KB Division of Family Practice. This is great news for our area.

Columbian Basin Trust Corporation: The Trust continues to actively work on the project and is pleased with progress to date.

Project information here: [Fruitvale to Nelson Fibre Optic Backbone Project | Broadband \(ourtrust.org\)](https://ourtrust.org/fruitvale-to-nelson-fibre-optic-backbone-project)

Respectfully submitted,

Mayor/Director Lockwood