

PROJECT STATUS REPORT

To:	Village of Lytton	Contact:	Recovery Director - Ron Mattiussi
Project:	Lytton Recovery	From:	James Heigh
Report Period:	May 2022	Date Issued:	June 10, 2022

1. Project Dashboard

Current Project Phase:



Status	Overall Status	Scope	Budget	Schedule
Last Period	-	-	-	-
This Period	Low Risk	Moderate Risk	On Track	Low Risk

Project Status Executive Summary

To date, Matcon has completed:

- Removal of metal and ACM debris from the footprint of 5 municipal properties and 33 private properties
- Sewer and water capping at 45 properties
- Concrete footings removal from 25 properties
- Contaminated soil removal from 4 properties

For the work period spanning May 1, 2022 to May 27, 2022, IBI Group has reported the following:

- Collected approximately 135 samples of burned debris from Zone 1 to Zone 7 with a few exceptions on properties that need to be confirmed to be within scope.
- Collected soil samples from Zone 1 and 2, and are waiting for laboratory analysis.
- Zones 3 to 7 plus Hobo Hollow soil sampling has been added to the Heritage Permit and are in progress
- Stage 1 PSI progress:
 - o Historic Research and Records Review – Complete
 - o Interviews – Complete
 - o Site Inspection – complete
 - o Report Preparation – 65% complete

Majority of samples collected are categorized as waste soils based on metal concentrations. Lateral stepouts and test pits are being used for lateral and vertical delineation of soil impacts. Sample analysis results for Zone 1 have been received, IBI Group is continuing to work on the Stage 1

Preliminary Site Investigation (PSI) and collection of debris samples from select properties still requiring sampling from Zones 3 to 7.

Notifications of Independent Remediation (Initiation) were submitted to the BC Ministry of Environment and Climate Change Strategy (ENV) in accordance with the requirements of the Environmental Management Act (EMA) and Contaminated Sites Regulation (CSR) during this period for the following VoL Municipal properties:

- Lytton Public Works Yard, 14 Main Street
- Lytton Firehall, 500 Fraser Street
- Lytton Pool, 400 Fraser Street
- Lytton Museum, 420 Fraser Street

IBI is working with the BC ENV and EMBC to implement a streamlined process for issuing batches of NIR's for the impacted private properties on a Zone by Zone basis and anticipate that this process will be implemented by June. In the meantime, IBI will continue to issue NIR's on a property by property basis.

In May 2022, AEW conducted 21 days (out of an original estimate of 22 days) of monitoring contractor debris removal and screening material for potential heritage artifacts. As of Submission 11, 111 lots have been approved for monitoring. AEW is actively monitoring work at 72 approved lots, in addition to 14 lots pending approval, and 6 Ad hoc sites. An Ad Hoc site is an area outside of a lot identified as requiring monitoring or screening, for example a roadside or sidewalk. A total of 11 potential heritage sites have been identified and are undergoing further investigation.

Continued Moderate risk to budget due to unplanned monitoring and screening at Ad Hoc sites, potential Heritage sites and awaiting BC Hydro approval to screen some contaminated soils. The BC Hydro delay has been raised to Collier's.

Contractor communication with AEW has improved since April; there were 0 days of no work due to waiting for permits or contractor communication. The number of Heritage technicians monitoring per day ranged from 2 to 10, with an average of 4.1 Heritage technicians per day. Monitoring is budgeted at a 2-person crew per monitor day. This increase in daily monitors is allowing AEW to catch up on schedule. Colliers will start sharing with AEW when a lot is deemed 'complete'.

Federal Minister of Emergency Preparedness, Bill Blair visited Lytton and toured the project site on May 12, 2022. Matcon provided a safety brief and the Village's Site Support (Owen Collings) provided a tour of the project.

2. Key Risk Changes

Risk Title	Impact on Scope / Schedule / Budget	Mitigation Strategy
Archeological delays due to registered archaeological sites or chance finds	Schedule & Budget	<ul style="list-style-type: none"> • Work closely with Archaeologist and identify known archeology sites ahead of time, obtain Site Alteration Permit.

<p>RoEP signoffs are required to access properties. Delay's in obtaining the RoEP will delay the project.</p>	<p>Schedule</p>	<ul style="list-style-type: none"> • Increase manpower and machinery to expedite the schedule if needed. • Follow up with residents to receive RoEP signoffs on a timely manner and have the properties included onto Heritage Investigation Permit (HIP) to prevent project delays. • Develop a process using the State of Local Emergency (SOLE) that will allow the project team to complete debris removal and remediation activities where RoEP have not been received.
<p>Heritage Investigation Permit delays can affect project schedule and budget</p>	<p>Schedule & Budget</p>	<ul style="list-style-type: none"> • Work with Kumsheen Heritage Committee and the Province of BC, Heritage Branch to have properties listed on Heritage Investigation Permit in order to start subsurface soil sampling and excavation. • Maintain a project contingency within the budget to compensate for additional equipment and workforce needs during investigation work.
<p>Site Alteration Permit delays can affect the project schedule and budget</p>	<p>Schedule & Budget</p>	<ul style="list-style-type: none"> • Work with Kumsheen Heritage Committee and the Province of BC to identify properties requiring a Site Alteration Permit and expedite the permitting and planning for those sites. • Maintain a project contingency within the budget to compensate for additional equipment and workforce needs during investigation work.
<p>Asbestos and Vermiculite contents in soil and air</p>	<p>Schedule & Budget</p>	<ul style="list-style-type: none"> • Matrixes containing asbestos and vermiculite found in soil and air are above 1% according to CSR regulation, further analysis and study required. • Continue to complete air monitoring and testing on a weekly basis to analyze the risks during construction activities.
<p>Misunderstanding between the prime contractor and subcontractors</p>	<p>Schedule</p>	<ul style="list-style-type: none"> • Colliers to ensure and lead the communication and coordination among all the contractors and subcontractors. • Matcon to coordinate bi-weekly construction/coordination meetings to ensure clear communications to all teams.



Long process in dealing with Chance finds	Schedule	<ul style="list-style-type: none"> Colliers to expedite getting properties on the Heritage Investigation Permit, so that contractors can move and work on the other properties as the archeological assessments are being completed during chance finds.
Application submission of properties on the permit	Schedule	<ul style="list-style-type: none"> Individual properties submitted on the permit do not include the frontage outside on the property boundary. This can delay the capping of services and completion of critical infrastructure until added to the permit. Those areas are being submitted as separate applications.
Public Access to CN Rail bridge during Ferry closure	Scope	<ul style="list-style-type: none"> Village and Province to work directly with Insurance industry to advocate for the clean-up of Insured properties within the Zone 1 areas- Recovery team to initiate contingency plans to allow access if remediation cannot be completed.

3. Budget Status

The project budget is specific to the debris removal and remediation activities within the Village of Lytton. In April, Colliers issued the fully executed change order #1 for Matcon to continue in the role of Prime Contractor for the Village of Lytton recovery project. A change order for IBI is expected to be issued in June to extend their work and schedule.

Current Project Status	Cost	Comments
Baseline Budget	\$19,190,500.00	Planned budget
Committed	\$ 7,520,526.00	Exton & Dodge, Colliers Project Leaders, Matcon Environmental, IBI Group, and A.E.W LP
Approved Change Orders	\$ 6,014,200.00	Approved CO in April 21, 2022 (Matcon)
Forecast Cost at Completion	\$19,190,500.00	
Forecast Variance at Completion	\$ 0.00	

4. Schedule Status

Matcon continues with surface debris removal in Zone 1 as the Village receives RoEPs, once properties have been reviewed by the Kumsheen Heritage Committee (KHC) and added to the Heritage Investigation Permit by AEW, IBI Group will start subsurface soil sampling, and based on the test results Matcon will proceed with subsurface soil and concrete removal. AEW will cease all mechanized work and contact VoL, NNTC and the Archeology Branch in the event of any unanticipated potential cultural materials or features (“chance finds”) are encountered by construction personnel or other individuals during development activities, or observed by heritage field technicians during monitoring. Matcon would continue work on other properties until the archeological assessment of any such finds is completed, minimizing schedule impacts.



Matcon has noted that they are currently 12 days behind schedule due to permitting issues and soil analytical and NIR approvals. Though they may be able to bring the schedule back in line once they have the ability to complete excavations on the properties with contaminated soil analytical data and NIRs.

Row	Milestone	Planned Baseline	Current Plan	Actual/Forecast	Variance Current Plan – Actual/Forecast (weeks)
1	Procurement of Environmental QP	Mar 01, 2022	Mar 01, 2022	Mar 01, 2022	0
2	Procurement of Prime Contractor	Mar 01, 2022	Mar 01, 2022	Mar 01, 2022	0
3	Procurement of Archaeologist and Heritage Monitors	Apr 01, 2022	Apr 01, 2022	Apr 01, 2022	0
4	Construction mobilization	Mar 08, 2022	Mar 08, 2022	Mar 08, 2022	0
5	Completion of Work in Zone 1 and Hobo Hollow	May 19, 2022	May 19, 2022	June 28, 2022	6
6	Establish a safe corridor between Highway 12 and CN Rail bridge for public access	May 19, 2022	May 19, 2022	May 22, 2022	0.5
7	Completion of Work in Zone 2	June 6, 2022	June 6, 2022		0
8	Completion of Work in Zone 3	June 22, 2022	June 22, 2022		0
9	Procure Watershed Analysis Engineering Team	June 24, 2022	June 24, 2022	July 19, 2022	3
10	Completion of Work in Zone 4	July 8, 2022	July 8, 2022		0
11	UV System Repair and fully operational	July 8, 2022	July 8, 2022		0
12	Completion of Work in Zone 5	July 26, 2022	July 26, 2022		0
13	Completion of Work in Zone 6	August 11, 2022	August 11, 2022		0
14	Completion of Work in Zone 7	August 29, 2022	August 29, 2022		0
15	Substantial Performance	Sept 30, 2022	Sept 30, 2022		0

Task ID	Item	Planned	Actual/Forecast	% Complete	Variance Current Plan – Actual/Forecast (weeks)
Upcoming Tasks (Next Period)					
	IBI continues with Stage 1 PSI	April 19, 2022		65%	0
	IBI continues with debris sampling in Zone 6 and 7	April 19, 2022		95%	0
	IBI to commence sub-surface sampling in Zones 2-7	May 15, 2022		60%	0
	IBI to submit Notice of Independent Remediation (NOIR) and Site Risk Classification Reports (SRCR)	April 25, 2022		5%	0

Task ID	Item	Planned	Actual/Forecast	% Complete	Variance Current Plan – Actual/Forecast (weeks)
	Matcon starts surface debris removal in Zone 2	April 25, 2022		60%	0
	Matcon to start subsurface remediation in Zone 1 and Hobo Hollow area	April 25, 2022		60%	0
	Initiate Site Alteration Permit for identified Archaeological Sites in Zone 2	April 30, 2022		15%	0
	WWTP water main valve replacement with Matcon	May 31, 2022	June 17, 2022	0%	2
	UV System repair materials delivered	July 24, 2022		0%	0
	IBI to issue a draft copy of the Stage 1 PSI to Colliers for Review	June 30, 2022		0%	0
Completed Tasks (Last Period)					
	Establish Safe Corridor between Highway 12 and CN Rail Bridge for Public Access	May 19, 2022	May 22, 2022	100%	0.5

5. Project Photos



Figure 1 – Projectile point



Figure 2 – Tool found within site VOL-TJ22-T02



Figure 3 – A broken hand maul



Figure 4 – Biface fragment at site VOL-TJ22-T03



Figure 5 – Lot 665 Zone 6 Debris Removed



Figure 6 – Lot 420 Zone 5 Debris Removed



Figure 7 – Zone 1 Lot 47 and 57 Debris and Concrete Removed



Figure 8 – Lots 340, 360, and 320 Zone 4