

PROJECT STATUS REPORT

To:	Village of Lytton	Contact:	Recovery Director - Ron Mattiussi
Project:	Lytton Recovery	From:	James Heigh
Report Period:	June 2022	Date Issued:	July 12, 2022

1. Project Dashboard

Current Project Phase:



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

Project Status Executive Summary

To date, Matcon has completed:

- Removal of metal and ACM debris from the footprint of 5 municipal properties and 45 private properties
- Sewer and water capping at 60 properties
- Concrete footings removal from 28 properties
- Contaminated soil removal from 7 properties
- Temporary space for the village Site Support and incoming CAO
- Vegetation Mgmt in Village

For the work period spanning June 01, 2022 to June 30, 2022, IBI Group has reported the following:

A Stage 1 PSI is being conducted for all VoL properties to identify historic Schedule 2 activities under the BC Contaminated Sites Regulation (CSR) and other potential land uses of concern, such as residential vehicle maintenance areas and residential fuel storage tanks (above and below ground). Areas of Potential Environmental Concern (APECs) identified by the Stage 1 PSI that are not already encompassed by the assessment of wildfire impacts may require additional site-specific investigations. Please note, with the addition of the insured properties, IBI Group are in the process of updating the key components of the Stage 1 PSI that relate to these properties.

IBI Group has completed the following Stage 1 PSI components during this period:

- Historic Research and Records Review – complete (municipal and uninsured) / 25%
- complete (insured)
- Interviews – complete (municipal and uninsured) / not started (insured)
- Site Inspection – complete (municipal and uninsured) / 40% (insured)

-
- Report Preparation – 85% complete (municipal and uninsured) / 25% (insured)

Notification of Independent Remediation (NIR) (Initiation) have been issued 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) for the following properties:

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

IBI anticipate that NIRs for the remaining Zone 1 properties requiring soil remediation will be submitted on or before July 8. NIR's will continue to be issued on a zone by zone basis. IBI has also registered the Public Works Yard (14 Main Street) as a Hazardous Waste Generator and received the BCG # from Ministry of Environment which will enable the shipping of Hazardous Waste from VoL to an offsite secured landfill authorized to accept Hazardous Waste.

Over 500 soil samples have been collected from properties in Zones 1 to 7 within areas in close proximity to burned structures and vehicles below where visible impacts of burned debris, ash and soot were deposited. In addition, some lateral delineation samples have been collected at select worst case locations. Samples were submitted to CARO Analytical Services for analysis of potential contaminants of concern (PCOCs) including metals, benzene, toluene, ethylbenzene, xylenes (BTEX), volatile petroleum hydrocarbons (VPH), polycyclic aromatic hydrocarbons (PAH) and sodium chloride.

In June (as of June 29th), 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 12, 152 lots have been approved for monitoring. AEW is actively monitoring work at 85 of these approved lots, plus monitoring at 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, such as a adjacent roadside or sidewalk. A total of 14 potential heritage sites have been identified and are undergoing further investigation.

The water system has continued to work exclusively off of well #2 with a risk of failure to the pump due to over use. Comcom is working on a proposal for additional ventilation and cooling for the well to ensure it does not overheat in the future. Matcon is working on replacing the water main valves leading to the Waste Water Treatment Plant which will allow us have the WWTP back to full operational ability. The UV system is planned to be repaired and fully operational by mid July. An RFP for the watershed assessment and recommendation for repairs will be submitted in early July, and a contractor will be procured for the leak detection of the Ponerosa / Loring Way / IR 17 area. This leak detection will lead into initial repairs for the water system, including an assumed break under Lytton Creek.

After a number of meetings between the Village, the Province and the Insurers, a Memorandum of Understanding (MoU) was issued by the Village to insured residents providing a process and approval mechanism that will allow the Village's recovery team to complete insured properties as part of a coordinated approach to the debris removal and remediation of all Village properties. As part of the MoU process, a trust account has been established by the Village so insured residents can direct their insurers to deposit approved demolition payouts, as a contribution towards the total cost of the work.

The addition of the insured properties into the scope of work of the recovery team will present some challenges to the current project schedule and approved budget.

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 KHC to add applicable data to Site Alteration Permit for identified sites. Increase manpower and machinery to expedite the schedule if needed.
RoEP signoffs are required to access properties. Delay's in obtaining the RoEP will delay the project.	Schedule	<ul style="list-style-type: none"> Follow up with residents to receive RoEP signoffs on a timely manner 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.
Heritage Investigation Permit delays can affect project schedule and budget	Schedule & Budget	<ul style="list-style-type: none"> Continue to 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.
Site Alteration Permit delays can affect the project schedule and budget	Schedule & Budget	<ul style="list-style-type: none"> Work with AEW, Kumsheen Heritage Committee, and the Province of BC to identify properties requiring to be included on the Site Alteration Permit and expedite the planning for those sites. Maintain a project contingency within the budget to compensate for

		additional equipment and workforce needs during investigation work.
Asbestos and Vermiculite contents in soil and air	Schedule & Budget	<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.
Misunderstanding between the prime contractor and subcontractors	Schedule	<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.
Failure of Well #2 will result in Boil Water advisory	Scope & Budget	<ul style="list-style-type: none"> • Expedite repairs to the Water Treatment Plant to ensure adequate treatment is available when drawing from Lytton Creek intake. • Expedite the repairs to Well #3 to provide additional ground water capacity for the Village.

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. In June a change order was issued to IBI Group to extend their work.

The recovery teams plans to issue additional change orders to Matcon, IBI and A.E.W LP as they take on the additional scope of completing the insured properties in the Village.

By adding the additional scope of the insured properties to the recovery team, the project budget will be in moderate risk. Some planned activities will be deferred to later in the project until the final costs associated with the scope increase is fully confirmed.

Current Project Status	Cost	Comments
Baseline Budget	\$19,190,500.00	Planned budget
Committed	\$ 9,739,034.00	Exton & Dodge, Colliers Project Leaders, Matcon Environmental, IBI Group, and A.E.W LP
Approved Change Orders	\$ 8,184,108.00	Matcon & IBI CO's
Forecast Cost at Completion	\$19,190,500.00	
Forecast Variance at Completion	\$ 0.00	

4. Schedule Status

Matcon continues with surface debris removal 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 will develop NOIs based on the test results. Matcon will then 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 15 days behind schedule due to delays in obtaining right of entry permits (RoEP), soil testing and analytical results and completion of the notice of independent remediation (NIR). The recovery team is looking at strategies to expedite the schedule once al RoEP's have been submitted and Matcon can mobilize additional equipment.

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



Row	Milestone	Planned Baseline	Current Plan	Actual/Forecast	Variance Current Plan – Actual/Forecast (weeks)
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	Aug 11, 2022	6
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	July 11, 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	Source Water Protection Plan Update	August 26, 2022	August 26, 2022		0
15	Completion of Work in Zone 7	August 29, 2022	August 29, 2022		0
16	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
	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

Task ID	Item	Planned	Actual/Forecast	% Complete	Variance Current Plan – Actual/Forecast (weeks)
	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	July 22, 2022	80%	6
	Procure Leak Detection Contractor for Ponderosa / Loring Way / IR 17	July 29, 2022	July 29, 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
	UV System repaired	July 24, 2022	July 11, 2022	100%	0

5. Project Photos



Figure 1 – Artifacts from VOL-ASKA22-T01



Figure 2 – Pool Demolition Complete



Figure 3 – Utility Cutting and Capping



Figure 4 – Property Clean Up



Figure 5 – Lot 665 Zone 6 Debris Removed