

PROJECT STATUS REPORT

To:	Village of Lytton	Contact:	Interim CAO – Diane Mombourquette
Project:	Lytton Recovery	From:	Recovery Project Manager – James Heigh
Report Period:	March 2023	Date Issued:	April 14, 2023

1. Project Dashboard

Current Project Phase:



Status	Overall Status	Scope	Budget	Schedule
Last Period	High Risk	High Risk	High Risk	High Risk
This Period	High Risk	High Risk	High Risk	High Risk

Project Status Executive Summary

Matcon

Actions this month include:

- Mobilization of a limited crew and equipment to continue with the approved works.
- Removal of hot spots

During the month of March, Matcon has been working with a smaller crew. Matcon has been completing hot spot removal based on IBI confirmatory sampling reports and guidance. Hot spot removals have been completed from Zone 3 to Zone 5 with an estimated of an additional 2 weeks to complete all hotspot removal to Zone 6.

Currently remediation for Zone 7 is under review by KHC. Remediation work in zone 7 to follow archeological sensitive remediation procedures that are to be determined.

IBI

Arcadis IBI Group has been concurrently completing the following activities in the VoL during the month of March:

Remedial Works Status

Onsite remedial works were shut down by Matcon on February 10, 2023 and resumed March 6, 2023

Soil Sample Collection Analysis (Confirmatory Samples)

Post remedial confirmatory soil samples are being collected by Arcadis IBI field staff from completed remedial excavations in general accordance with the BC Ministry of Environment

Technical Guidance 1. Confirmatory soil samples are analyzed for contaminants of concern previously identified during the site investigation component.

AEW LP

In March, A.E.W. continued perform the role of archaeology consultant and heritage monitor for the Village of Lytton properties, which includes the screening of excavated materials and regulatory reports as required by legislation.

A.E.W. conducted a total 23 days of work in March that included: monitoring contractor debris removal, screening/raking material for potential heritage artifacts, and shovel testing. There were zero unscheduled workdays. Currently, 151 lots have been approved for monitoring of which A.E.W. is actively monitoring work or has monitored on all these that have been clear for remediation. Potential archaeology sites have been uncovered on over 90 lots.

Crew size in March was 12.5 persons, slightly higher than February's average crew size of 11.5.

Andrew Haugo and Ramsay McKee field directed the work in the village, supported by Archaeologists Brendan Whitley, Carissa Nakesch, Sophie Belley and Kyra Egan, and a team of Heritage Field Technicians.

Infrastructure

An electrical asset repair and upgrade report for the Water Treatment Plant was provided by Exceed Engineering. The report included a list of repairs and upgrades needed to be complete to get the WTP functional and on par with industry standards. Staff have been working to complete a scope of work for an RFP that will posted on BC bid. The purpose of the RFP will be to help verify the functionality of all electrical equipment and instrumentation. As well as upgrading the SCADA system and PLC to properly automate the Water Treatment Plant and help lift Boil Water Notice. With the current schedule provided, the work will be upwards of 6-8 months to fully complete due to material procurement delays.

With the leak detection complete in the Village an RFP was posted in March for proponents to bid on the repair works. Currently there are 4 major leaks that are to be repaired within the village. With one large leak needing to be located. This work is being complete by the Water Operator at site, to locate and seal the leak. With the limited documentations and vast amounts of valves at site, the troubleshooting of the major leak is requiring extra effort from staff to help resolve this issue.

Once the leaks are repaired in May the Village will be in the position to flush and test the water system to bring the full Village system back to operational capacity and allow for service connections to individual lots.

With power in the village, the BC Hydro Recovery team has returned to their previous roles. Having the lines energized in the village, properties owners are now able to send requests to BC hydro for electrical service as the Lots become available for new construction to begin.

Staff are working to complete the review of the Master Service Agreement with the Geotechnical Consultant in order to bring them on board and begin geotechnical assessments through the Village.

Staff continue to identify additional grant opportunities for future works, and Reports to Council will be provided for the approval to proceed with applications when eligibility is verified. Currently the Village is waiting on grant approval for the Wastewater Treatment Plant Upgrades, Water System Distribution Upgrades, and the Watershed Assessment and Risk Recommendations.

Colliers has posted several RFPs to BC bid to help with the infrastructure works. Below is a table of RFPs that are currently been posted and RFPs that are in the works.

Title/ Description	Status
Lytton Water System Design	Closed – Under Evaluation
Water distribution Fire Recovery Repairs	Posted to BC Bid – Closes April 28
Distribution Flow Upgrade	Under Development
Sewer Survey & Camera Inspection	Posted to BC Bid – Closes April 19
Public Works Building	Under Development
Temporary Village Office & Hall	Under Development
Lytton Creek Watershed Assessment	Posted to BC Bid – Closes April 14
Electrical Asset Repair and Upgrades	Under Development
Rapid Housing Initiative	Under Development

As remedial work is nearing completion in Zone 1, staff are exploring options to use municipal lots for laydown areas, temporary village office, temporary fire hall and/or on site storage to accommodate for all construction works to be complete at site.

2. Key Risk Changes

Risk Title	Impact on Scope / Schedule / Budget	Mitigation Strategy
Archeological Delays	Schedule and Budget	Increase Arch Crews and Machinery if possible, add winter frost fighting equipment to continue to work in the winter months
Shovel testing program	Schedule delay and / or cost increase	Review AEW recommendations and work closely with Regulator to move the program through priority properties. Focus on properties with Building Permit applications to reduce delays for residential rebuild.
Heritage Site identification	Increase in the budget.	Budget increase. Increase the number of monitoring days.

	Increase in the number of monitoring days Increase in back-end reporting	
Funding Approval	Schedule and Budget	<p>With the works being complete currently, the approved budget is to be completely used by the end of April. Additional funding is required to keep remedial works in progress.</p> <p>Approval of the \$21 million Provincial Grant is required to move forward with the majority of the infrastructure repairs and upgrades.</p>

3. Budget Status

A request to the province has been sent to provide funding for the remainder of the remedial works. The current budget and schedule is under review by the province. The request has been made for an additional \$18 million to complete to support the ongoing remediation works.

Current Project Status	Cost	Comments
Baseline Budget	\$25,731,694	Planned Budget
Committed	\$25,679,829	
Approved Change Orders	\$22,188,126.13	Matcon, IBI, AEW CO's
Forecast Cost at Completion	\$33,459,188	Based on increased costs for Shovel Testing program and backfill of properties
Forecast Variance at Completion	-\$7,727,494	

4. Schedule Status

The schedule has been readjusted to add the demobilization of the Matcon equipment from Mid Feb through Mid-March. Backfilling should begin in May with Priority properties and other properties that have been released by AEW, pending funding..

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	March 30, 2023	May 30, 2023	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	March 30, 2023	May 30, 2023	0
8	Completion of Work in Zone 3	June 22, 2022	March 30, 2023	May 30, 2023	0
9	Procure Watershed Analysis Engineering Team	June 24, 2022	June 24, 2022	May, 2023	6
10	Completion of Work in Zone 4	July 8, 2022	March 30, 2023	May 30, 2023	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	March 30, 2023	June 30, 2023	0
13	Completion of Work in Zone 6	August 11, 2022	March 30, 2023	June 30, 2023	0
14	Source Water Protection Plan Update	August 26, 2022	February 28, 2023	April 2023	15
15	Completion of Work in Zone 7	August 29, 2022	May 30, 2023	July 15, 2023	0
16	Leak Detection Phase 1		September 16, 2022	Sept 16 th , 2022	0
17	Geotech Agreement signed	September 30, 2022	January 30, 2023	April 30, 2023	0
18	Leak Detection Phase 2		February, 2023	January 27, 2023	0
19	Substantial Performance	Sept 30, 2022	June 30, 2023	July 30, 2023	8
20	Water system online	April 1, 2023	May 30, 2023		

5. Project Photos



Photo 1 – Zone 1-3 Hotspot Removal



Photo 2 – Zone 5-6 hot spot removal complete



Photo 3 – Zone 5 & 6 hotspot complete.



Photo 4 – Zone 3 Hotspot remediation



Photo 5 – Concrete Removal and Disposal 421 – 437 Main St.



Photo 6 – Concrete Retaining Wall Removed 787 Station St.