

Former Buckley & Mann Phase II Scope of Work

September 4, 2018

Presentation Outline

- Site History
- MCP Process
- Planned environmental sampling
- Next steps



To Lagoons #1 and #2

Tail Race

Carbonizer Trench
to Lagoon

Area #10

Dyehouse

Carbonizer Building

Bush Pond

Site History

- 1986-1996: Phase II Site Assessment
- 1996-1997: Release Abatement Measure (RAM) Plan
- 1998-1999: RAM/Site Remediation
- 2001: Permanent Solution and Activity and Use Limitation (AUL)
- 2017: MassDEP Audit
- May 14, 2018: Permanent Solution Retracted/AUL Terminated
- September 4, 2018: Phase II Conceptual Scope of Work

Massachusetts Contingency Plan Process

- 310 CMR 40.0006: “Release means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment...”
- Reportable concentration: “...the concentration of oil or hazardous material in soil or groundwater which requires notification to the Department...”
- Release Tracking Number (RTN): file number assigned by MassDEP to a release.

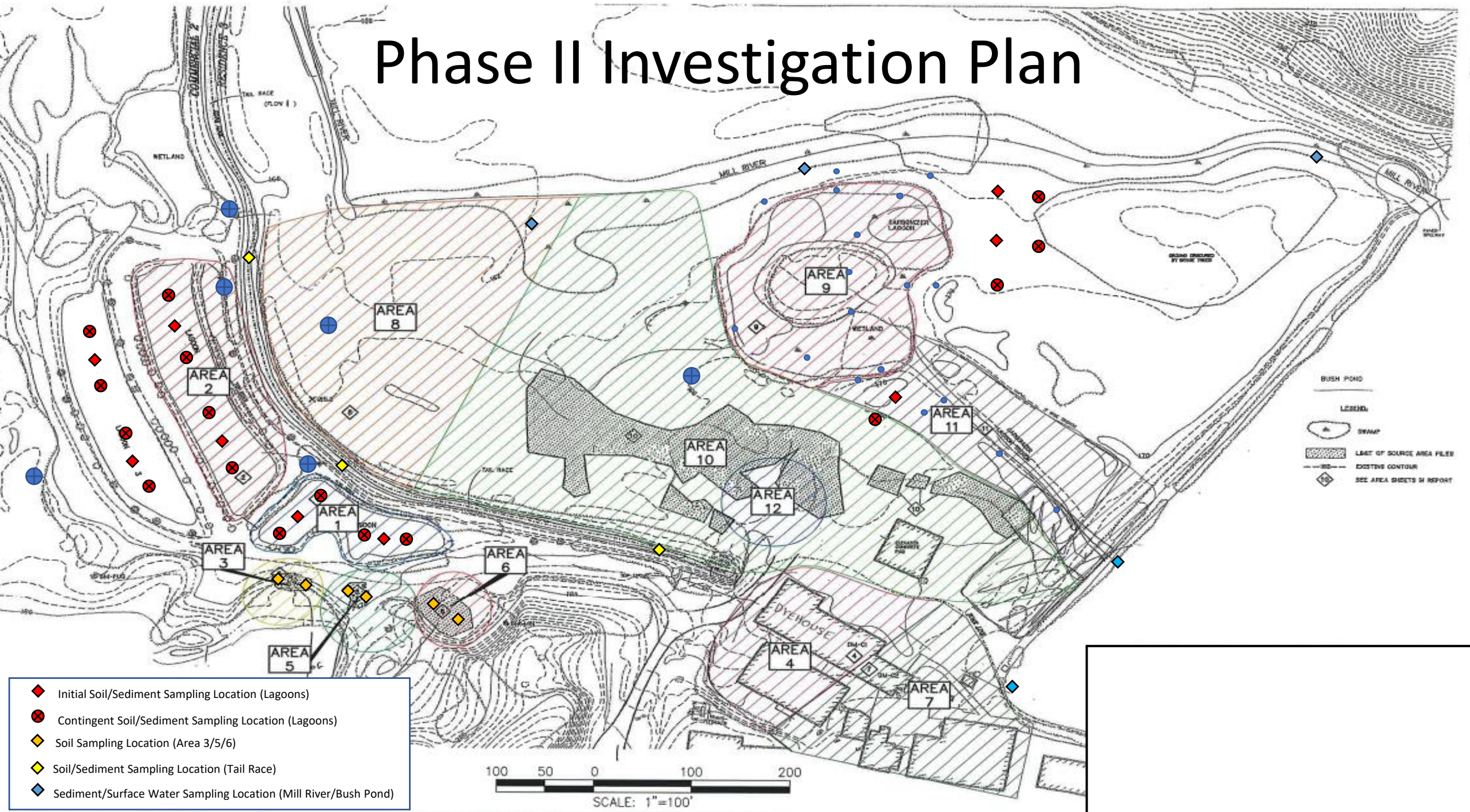
Massachusetts Contingency Plan Process

- Phase I/Tier Classification
- Phase II Comprehensive Site Assessment
- Phase III Remedial Action Plan
- Phase IV Remedy Implementation Plan
- **At any point in the process**, a Permanent Solution can be achieved if a condition of No Significant Risk to human health, safety, public welfare, and the environment can be demonstrated

Conceptual Site Model

- Conceptual Site Model (CSM): Written and/or illustrative representation of the conditions and the physical, chemical, and biological processes that control the transport, migration, and potential impacts of contamination to human health and/or ecological receptors.
- Source → Release Mechanism → Pathway → Receptor
- How and where did chemicals enter the environment?
- Where have they traveled?
- Are there significant risks to human health or the environment?

Phase II Investigation Plan



Next Steps

- 9/4/2018: Draft Phase II Scope of Work
- 9/4/2018 to 9/24/2018: Public comment period
- 9/24/2018 to 10/24/2018: Response Summary and Final Phase II SOW
- Mid-Late October: field investigations
- November/December: data reduction and analysis, risk assessment
- <http://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=2-3000173>