



# TOWN OF BOLTON

COMMONWEALTH OF MASSACHUSETTS



A Phase 1 study of the Fyfeshire Dam was mandated by the Department of Conservation and Recreation, Office of Dam Safety in 2008. The Phase 1 inspection found the overall condition of the Fyfeshire Dam to be Unsafe. The dam dates back to 1878 when a button factory mill was built with associated dam(s). Maintenance has been done over the years but the structural deficiencies today along with the downstream development categorically make the dam a significant hazard dam. In March of 2009 a Certificate of Non-Compliance and Dam Safety Order was issued by the Commissioner of the Department of Conservation and Recreation Office of Dam Safety Ordering a Phase II inspection and routine inspections every 90 days, by a Registered Professional Engineer. Passage of this article will allow the town to comply with the Dam Safety Order.



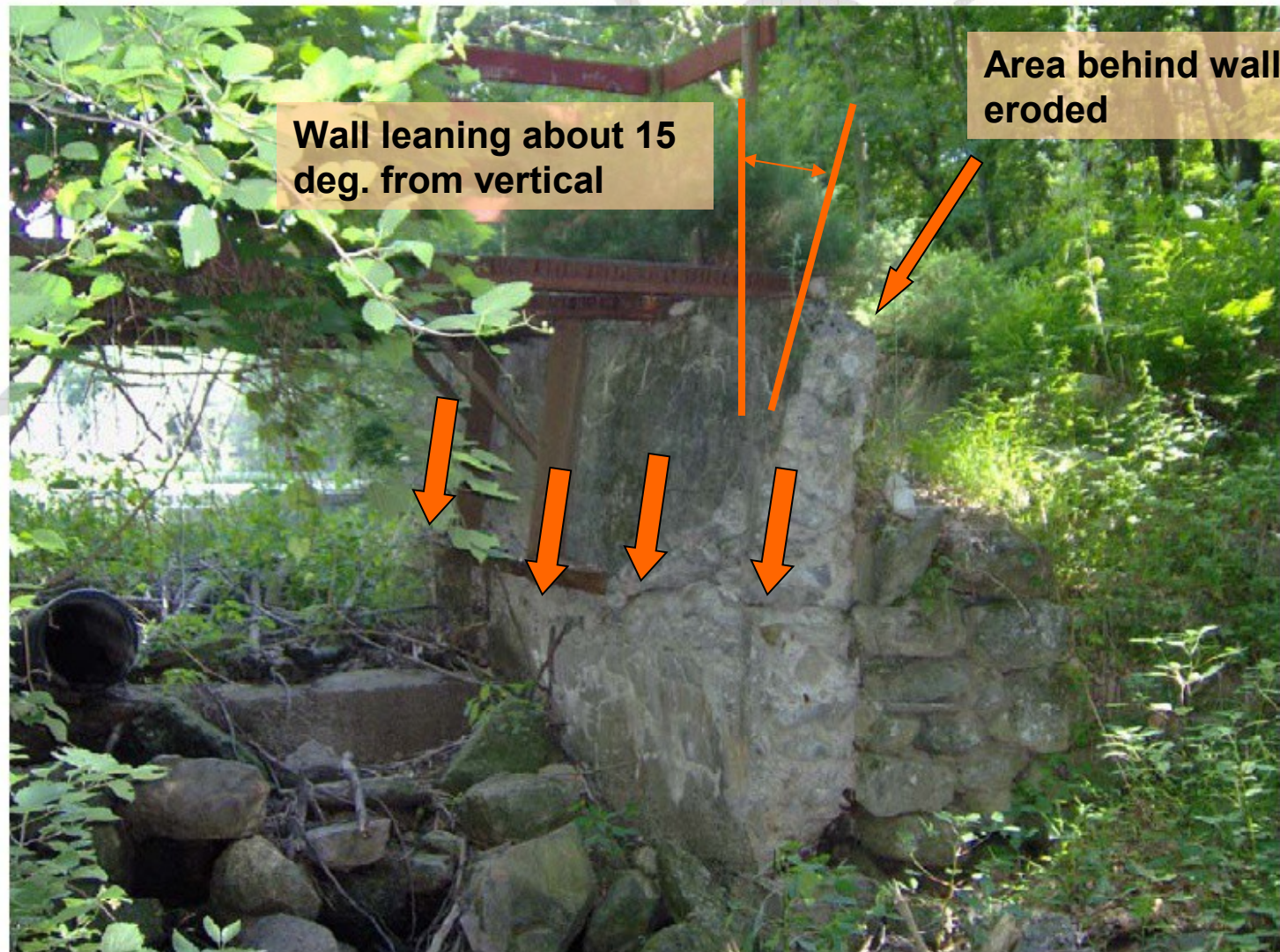
Photo #18: Downstream of spillway facing the right (west) spillway wall and dam wall





Photo #19: Downstream of spillway facing the right (west) spillway wall and dam wall with grape vine





Wall leaning about 15 deg. from vertical

Area behind wall eroded

Photo #22: Left side of spillway.





Photo #25: Major crack in left spillway wall ,upstream



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## Timeline

April 2, 2008	Received Dam Safety Order for Phase 1 Inspection
July 17, 2008	Completed and submitted Phase 1 Inspection to ODS
March 13, 2009	Received Certificate of Non Compliance and Dam Safety Order requiring action and Phase II Inspection
April 16, 2009	Performed 1 <sup>st</sup> Mandatory Follow Up Inspection (90 day Inspection)
May 1, 2009	Must complete follow up site inspections by PE and subsequent inspection every 90 days
May 15, 2009	Must select engineer and inform ODS of start date of Phase II inspection
June 1, 2009	Must commence Phase II inspection
October 1, 2009	Must submit Phase II inspection to ODS
October 1, 2010	Dam must be in compliance no later than this date