

Acton Quarry

4th Line Seeps Update – June 16, 2015



Acton Quarry – 4th Line Seeps

- Several small seep wetlands are located east of Phase 2, below the Escarpment. These features drain towards 4th Line.
- These seep features were affected by de-watering activities in Phase 2.
- Dufferin installed a seep mitigation system and the system has been operated seasonally since 2009.
- Water is released to Seeps S1, S5 and S6.

Acton Quarry – 4th Line Seeps – Wind and Ice Storm Damage

- Annual vegetation monitoring occurs at plots located in Seeps S1, S5 and S6b.
- Few changes in wetland plots from 2009 until the summer of 2013, when some cedars came down in a wind storm.
- The December 2013 ice storm also resulted in a number of trees and tree limbs falling into the plot locations.
- 2014 Seeps Report recommends clearing fallen woody vegetation that is covering/shading wet meadow vegetation and/or relocating vegetation monitoring plots to areas not affected by fallen trees, as necessary.

S5: May 28, 2012



S5: May 26, 2015



Acton Quarry – 4th Line Seeps – Wind and Ice Storm Damage



S5: September 22, 2013



S5: October 12, 2014

Acton Quarry – 4th Line Seeps – Tree Dieback and Mortality

- Some local citizens have recently raised concerns about tree dieback and tree mortality near the seeps, in proximity to the Bruce Trail.
- Most dieback and mortality appears to be related to plant diseases, e.g. Butternut Canker and Dutch Elm Disease, insect pests and storm damage. This is not related to the operation of seep mitigation system.

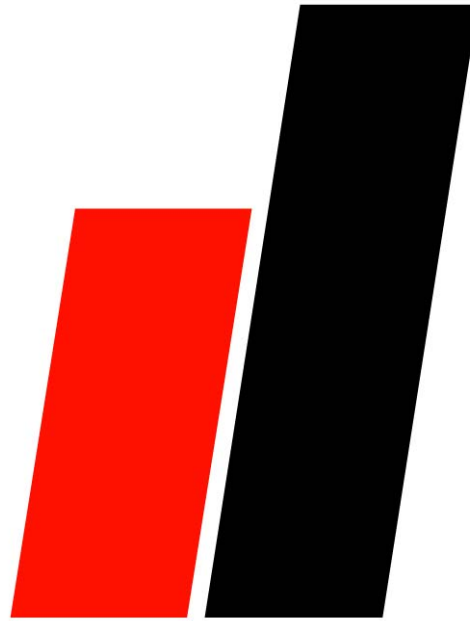


May 26, 2015.
Downed White Elm limbs.

Acton Quarry – 4th Line Seeps – Tree Dieback and Mortality



May 26, 2015.
Declining and dead Butternut trees.



Dufferin Aggregates

A division of Holcim (Canada) Inc.