

Parklands at Mulock Drive and Bathurst Street Introduction and Background

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History

- The former Mulock farm covered a large area, including the lands in the vicinity of Mulock Drive and Bathurst Street
- The William Thomas Mulock Park property was acquired by the Town directly from the Mulock's
- Other lands were acquired by developers including Criterion Development Corporation.

FIGURE 1-2
TOWN OF NEWMARKET
PARKLANDS AT MULOCK DR. & BATHURST ST.
RISK ASSESSMENT

SITE PLAN



Orchards and Pesticides

- Lands in the vicinity of Mullock Drive and Bathurst Street were used as orchards
- Lead arsenate pesticides were commonly used on orchards
- Over time residual lead and arsenic accumulated in the topsoil.

Contaminants of Concern

- When developing the lands for residential subdivisions the topsoil was removed
- Testing of the topsoil revealed elevated arsenic and lead above the appropriate MOE generic standards
- Further study was conducted of both developed and undeveloped parcels.

Study Results

- No concerns were noted in the developed portions of the subdivisions (soil met the criteria in place at the time of development)
- Elevated levels of lead and arsenic above MOE generic criteria was noted in undeveloped areas to be conveyed to the Town
- The easiest clean-up would be to cut down the trees and remove the topsoil.

Action Plan

- The Town, developers, and the public did not want to see the natural forest destroyed
- A Risk Assessment was undertaken to determine possible options to protect the forest while being protective of human health and the environment
- Intrinsik was retained to conduct the Risk Assessment.