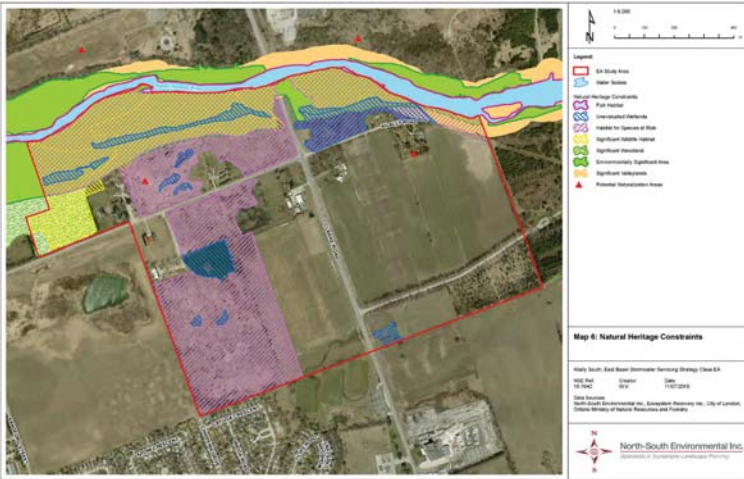
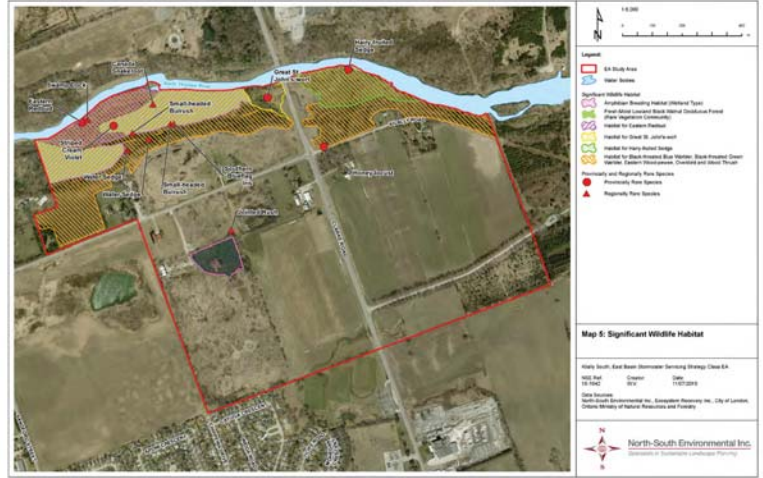


Field Program

- Three season vegetation survey;
- Migratory waterfowl and breeding bird surveys;
- Amphibian call surveys;
- Incidental wildlife observations; and
- Incorporation of data from adjacent ongoing studies and previous investigations.

Deliverables

- Subject Land Status Report (informs evaluation of alternatives); and
- Environmental Impact Study (informs preferred alternative development, mitigation, compensation and future monitoring program).



Field Program

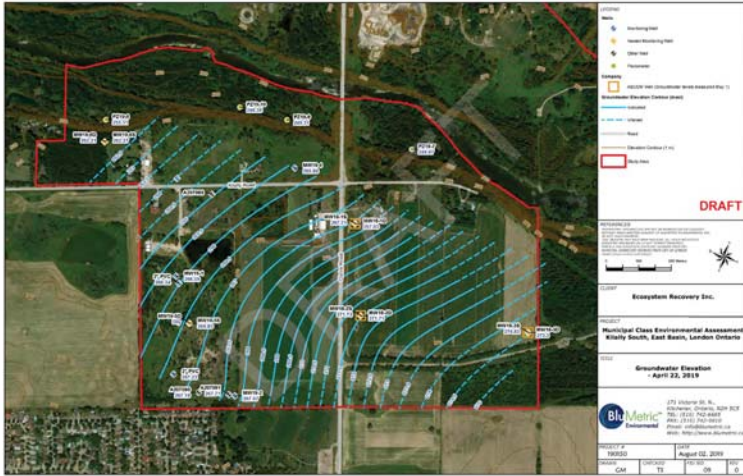
- Four monitoring wells;
- Two nested monitoring well pairs - deep and shallow wells;
- Four piezometers;
- Groundwater level monitoring;
- Groundwater quality monitoring;
- Monitoring Period January 16th 2019 to June 19th 2019; and
- Incorporation of data from ongoing adjacent work and previous investigations as appropriate.

Deliverables

- Hydrogeology Assessment Report (informs evaluation of alternatives, preferred alternative development, mitigation, and future monitoring program).



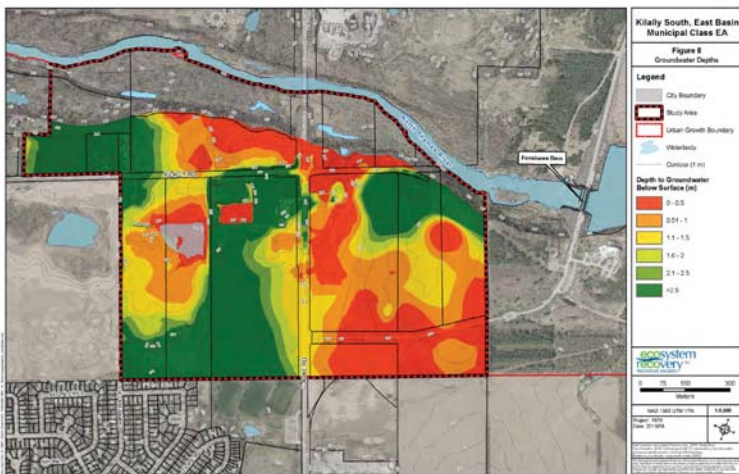
Kilally Class EA – EEPAC Presentation Hydrogeology – Groundwater Elevation



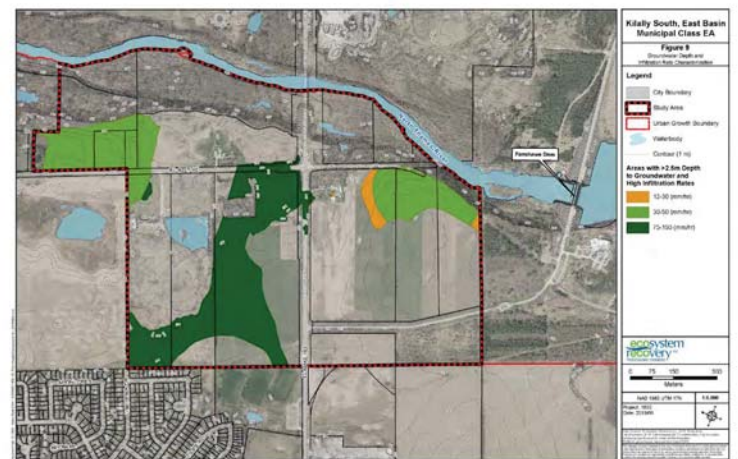
Kilally Class EA – EEPAC Presentation Hydrogeology – Interpreted Infiltration Rates



Kilally Class EA – EEPAC Presentation LID Screening – Groundwater Depths



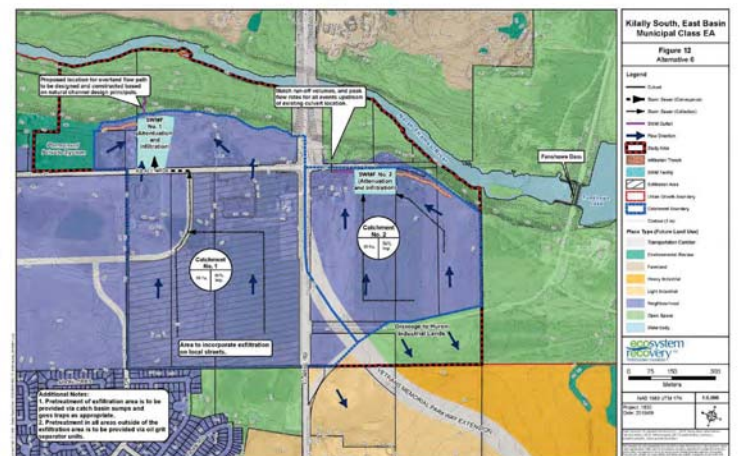
Kilally Class EA – EEPAC Presentation LID Screening – Groundwater Depth and Infiltration Rate



Kilally Class EA – EEPAC Presentation Long List of Alternatives

Proposed Alternate	Description	Evaluation Result
Alternate 1:	Do Nothing	<ul style="list-style-type: none"> ✓ Carried forward • Does not address the problem/opportunity statement.
Alternate 2:	2003 Recommended (single wet pond facility)	<ul style="list-style-type: none"> X Screened out • Does not provide water balance benefits or LID implementation.
Alternate 3:	Catchment wide LID (LID only)	<ul style="list-style-type: none"> X Screened out • Areas of the study area are not favourable for LID due to high groundwater table and low permeability soils.
Alternate 4:	Single wet pond SWM facility (2003 Enhanced) (with LID where feasible)	<ul style="list-style-type: none"> X Screened out • Can only provide partial water balance benefits.
Alternate 5:	Single infiltration and attenuation facility (with LID where feasible)	<ul style="list-style-type: none"> ✓ Carried forward • Can only provide partial water balance benefits.
Alternate 6:	Two infiltration and attenuation facilities (with LID where feasible)	<ul style="list-style-type: none"> ✓ Carried forward – Preferred • Water balance benefits can be achieved through catchment LIDs supplemented by end-of-pipe infiltration facilities.

Kilally Class EA – EEPAC Presentation Preferred Alternative



1. PIC – October 10th 6:00 to 8:00 pm;
2. Prepare Project File Report – Fall 2019;
3. File Project File Report – Fall 2019;
4. Detailed Design – 2020; and
5. Construction – 2022.

