

# Open House

## Environmental Assessment

## New Waste Management Capacity

## Preferred Alternative

Wednesday, June 25<sup>th</sup>  
3:00 p.m. to 7:00 p.m.  
Riverside Place  
55 Riverside Drive

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# Project History

- **2009:** The City's Draft Waste Management Master Plan (WMMP) promotes increased recycling and waste diversion and identifies need for new landfill capacity
- **2009:** New Liskeard Landfill site operation is suspended (Site reached approved capacity)
- **2009/10:** City's feasibility study proposes New Liskeard Site expansion
- **2011/12:** City's Terms of Reference for the Environmental Assessment (EA) developed and approved by Ministry of the Environment
- **2013/14:** Undertake studies and consultation for completion of the EA
- **2018 to 2020:** Haileybury Landfill Site expected to reach approved capacity

NOTE: a new waste management facility takes approximately 3-5 years to complete the necessary environmental studies, permitting and approvals, design, and construction

# Current Waste Management Practice

## Recycling Waste Diversion

- Material Recovery Facility (MRF)
- Collection of recyclable materials

## Solid Waste Collection

- Residential waste
- Industrial, commercial and institutional solid waste
- Special waste
- Hazardous waste  
(such as old/used paints, oils, batteries, etc. at landfill)

## Waste Disposal

- New Liskeard Landfill (operation suspended in June 2009)
- Haileybury Landfill has serviced the entire City and Town of Cobalt since 2009

# Current Waste Management Practice

## New Liskeard Landfill

- Used for waste deposition since about 1916
  - Landfilling was suspended in June 2009
- Located approx. 3 km west of the former Town of New Liskeard
  - Total property area is 32 hectares
  - Approx. 5 hectares have been landfilled
- Contaminants managed through natural attenuation
- On-going groundwater monitoring – no contamination off site
- Potential opportunity for new landfill capacity through site expansion



# Environmental Assessment

**Environmental Assessment (EA) is a decision-making process to promote good environmental planning through the assessment of potential effects on the environment (natural and human) by proposed activities**

## Regulatory Requirements

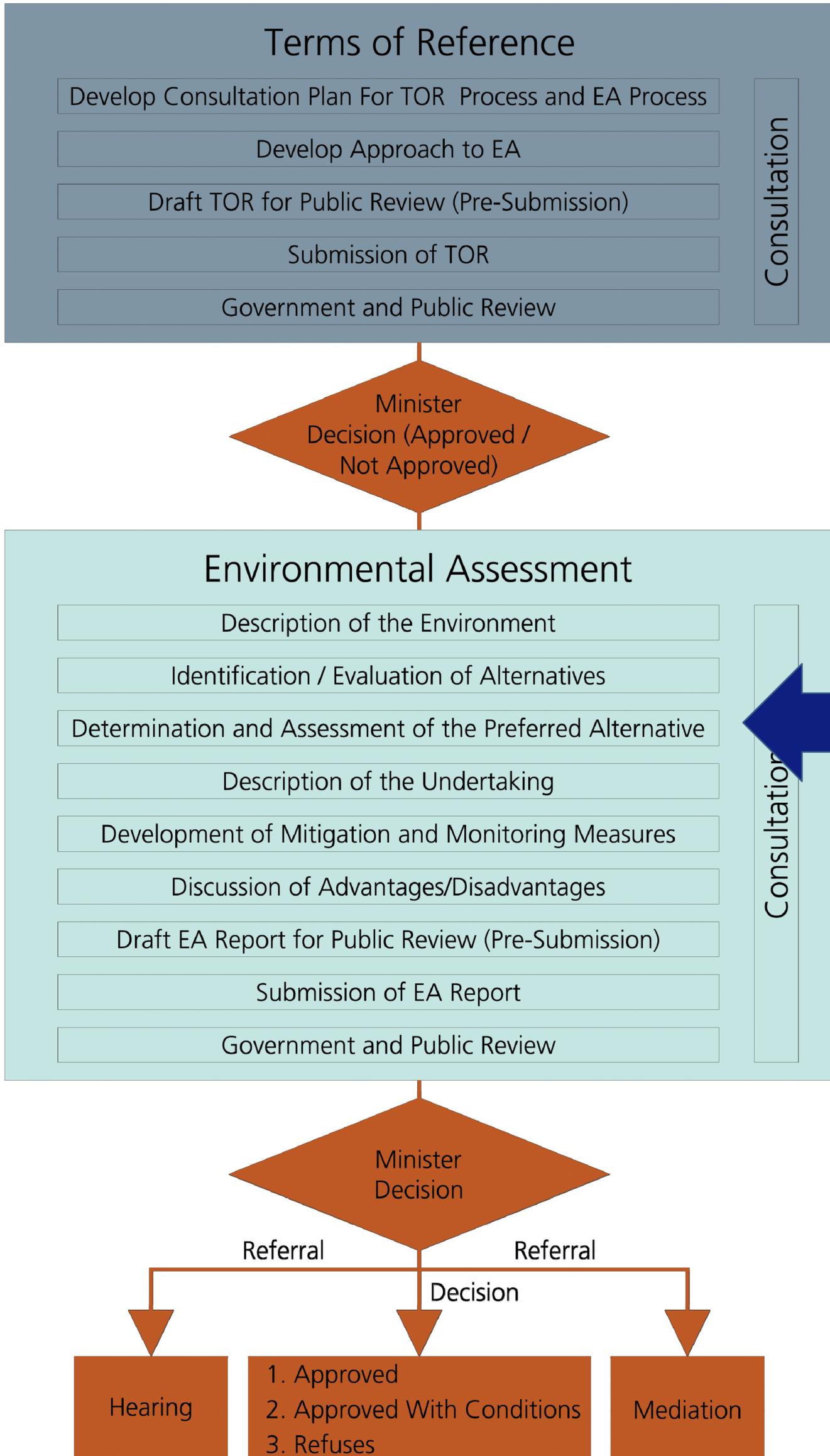
- EAs are required under Ontario Regulation 101/07 (Waste Management Projects) for new landfill sites and landfill expansions exceeding 100,000 m<sup>3</sup>
- Ontario *Environmental Assessment Act* requires
  - Terms of Reference (Approved November 2012)
  - Environmental Assessment (Notice of Commencement issued January 2013)
  - Consultation
    - “Terms of Reference” Open House May 9, 2011
    - “Alternative To” Open House February 21, 2013
    - “Identification of Preferred Alternative” Open House June 25, 2014

# Environmental Assessment

## Key Elements of the Environmental Assessment

- Establish the need/rationale for the undertaking
- Description of the Project
- Environmental characterization of the Project area
- Identification/evaluation of alternatives
- Assessment of environmental effects
- Development of mitigation and monitoring measures
- Consultation and engagement (public, stakeholders, government agencies, Aboriginal communities)

# EA Process

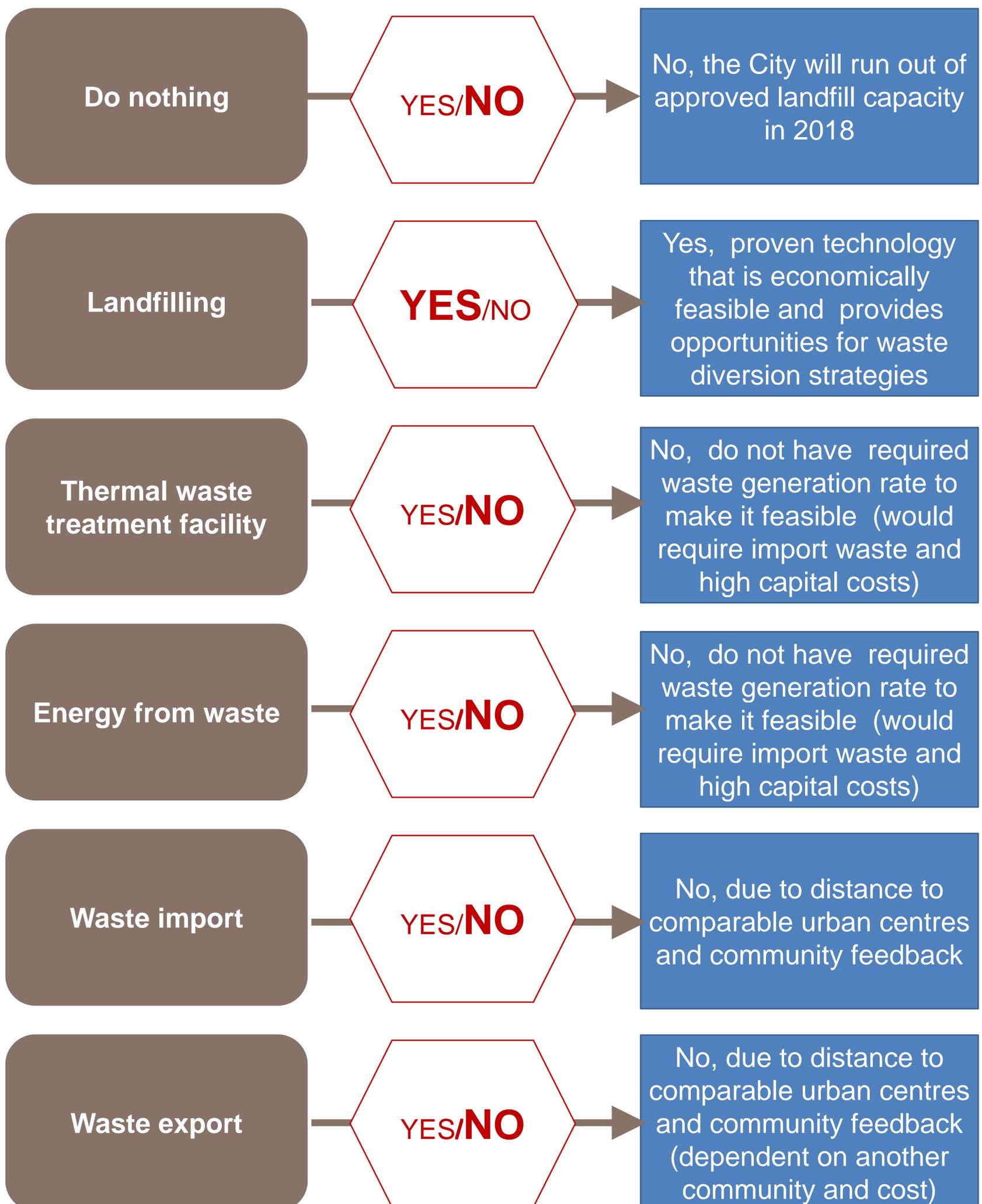


# Alternative To Evaluation

- *Alternative To* refers to the different ways to address the need
- Identified *Alternatives To* that were evaluated:
  - Do nothing (status quo)
  - Landfilling
  - Energy from waste
  - Thermal waste treatment facility
  - Waste export
  - Waste import
- Consultation
  - Open House on February 21, 2013 to seek community input into the *Alternative To* options
  - Established a **Waste Management Advisory Committee** to evaluate the options for *Alternative To* and *Alternative Methods*
    - consists of City Council members, City Staff and community residents
    - has met four times since November 2013 and will continue to meet through this process.

# Alternative To Evaluation

## Is the *Alternative To* feasible using MOE Screening Criteria?

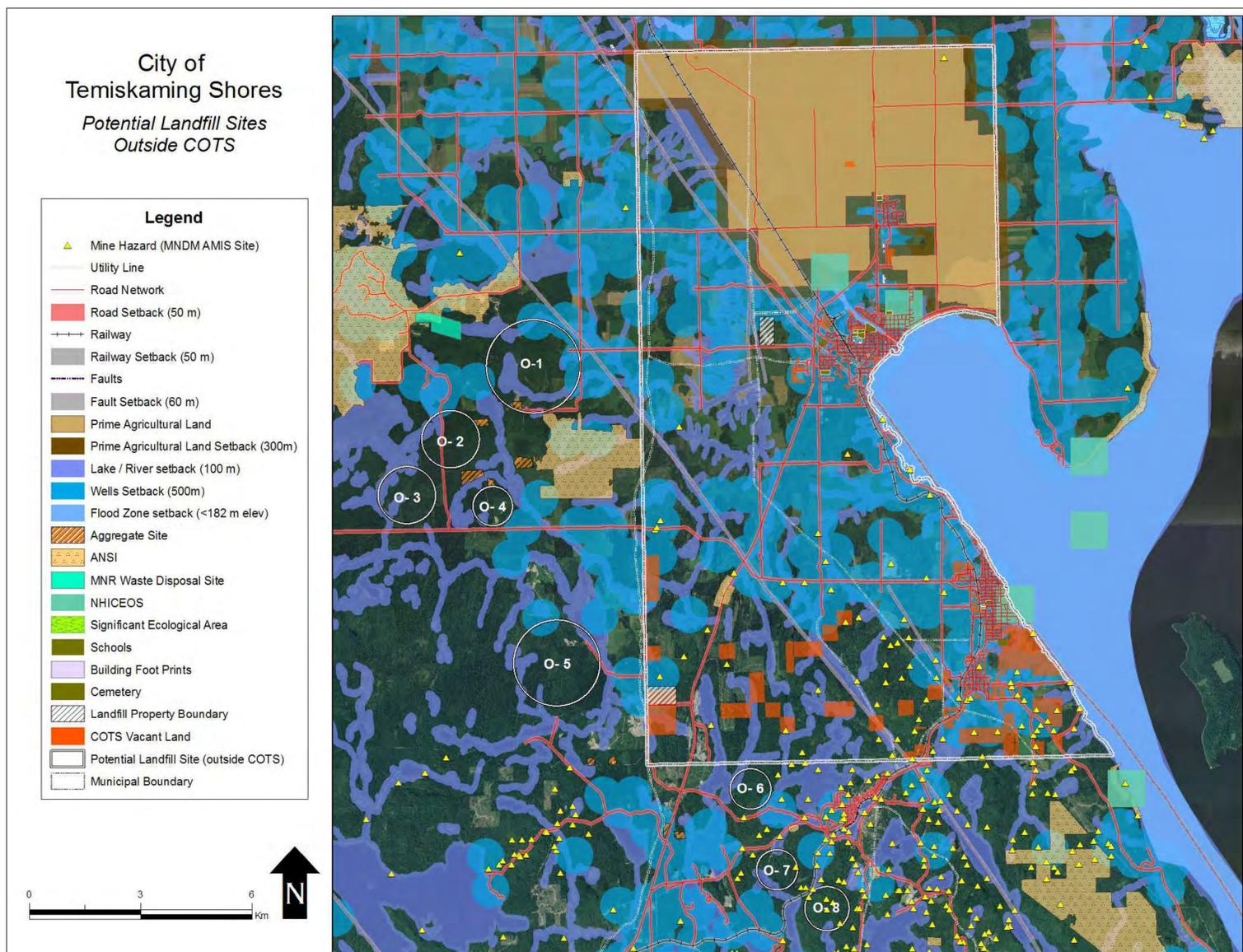
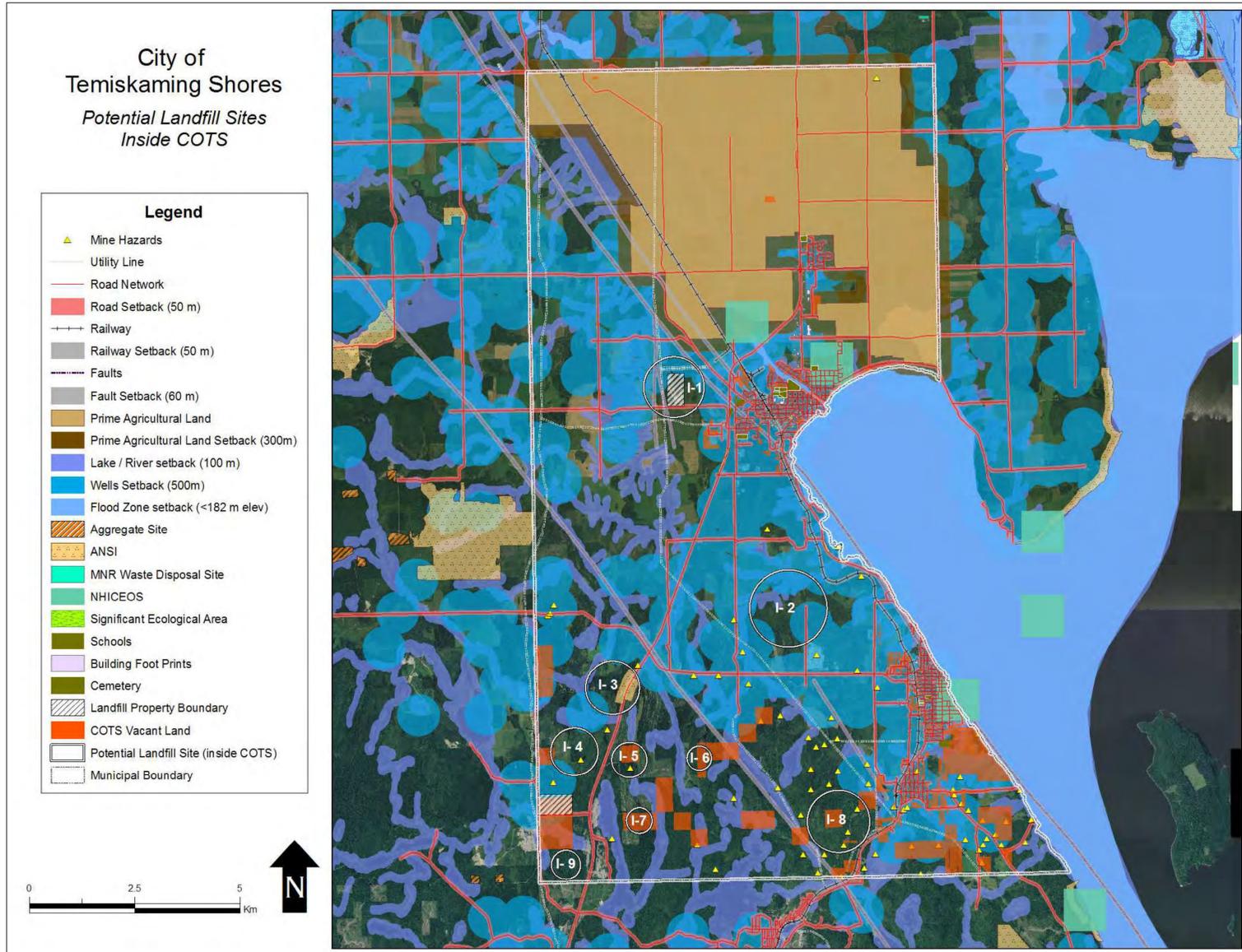


# Alternative Methods Evaluation

- *Alternative Methods* refers to the different ways of implementing the preferred *Alternative To* such as different site locations and designs
- Evaluation of site locations conducted on 17 sites:
  - 9 sites within the municipal boundary
  - 8 sites outside the municipal boundary
- Provincial Planning Policy and the MOE Guideline D-4 provide guidelines and policies for new and expanding landfill sites.
- The *Environmental Protection Act* and Ontario Regulation 232/98 identify specific setbacks from sensitive land uses and outline additional general buffer requirements.
- Evaluation of the long-list of potential sites, identified the following locations for the short-list based on scoring\*:
  1. I-1 (the existing New Liskeard Landfill)
  2. I-8 (northwest of HWY 11B between Cobalt and North Cobalt)
  3. I-9 (southwest corner of the City limits)
  4. O-3 (north of HWY 558 past the Bartle Lake Access Road)

**\*see table on Feasibility Assessment Ranking Scores**

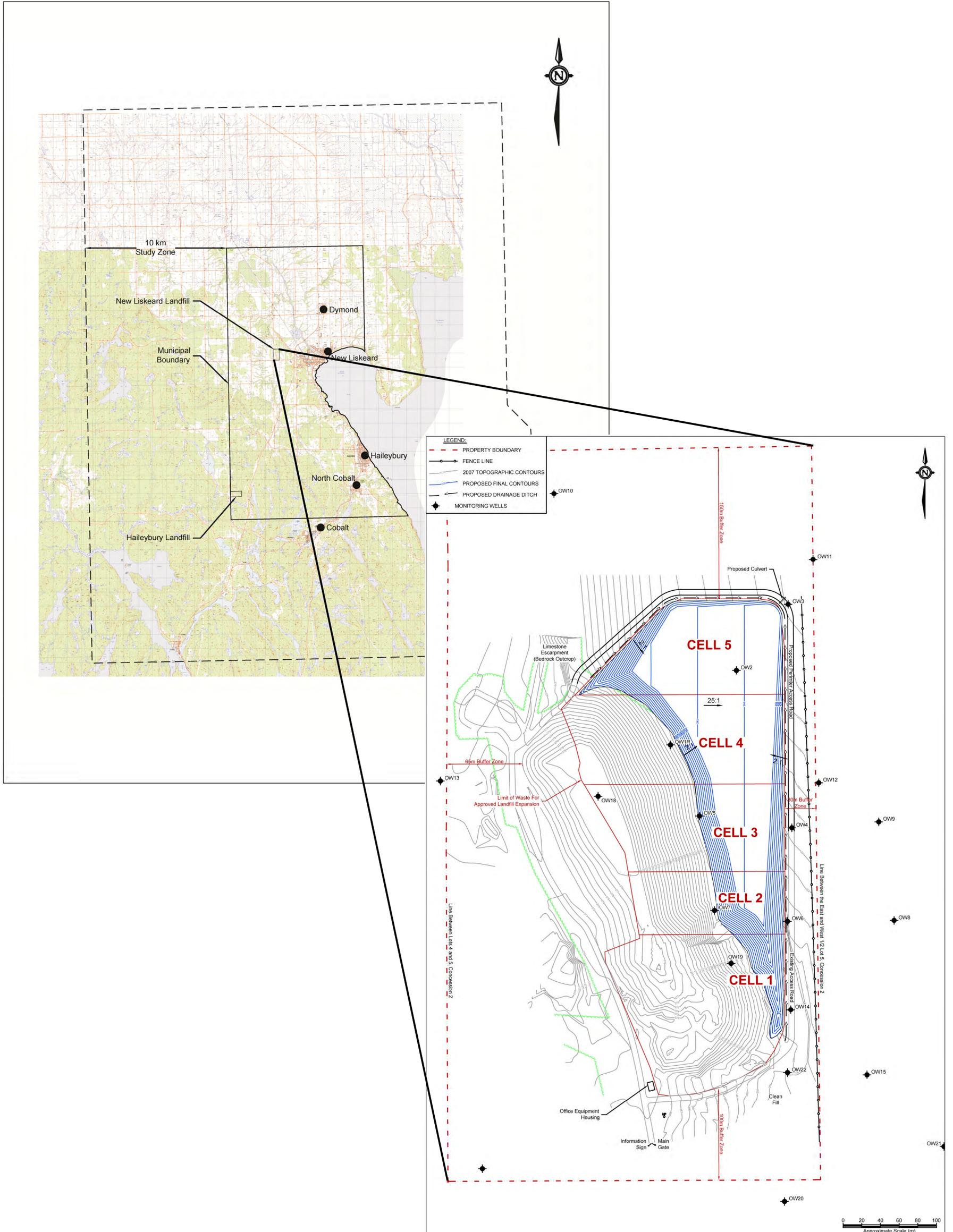
# Alternative Site Locations Evaluation



# Alternative Methods Evaluation

- Location I-1
  - Owned by the City
  - Permitted and zoned for a landfill (previously operated as a landfill site)
  - Has existing infrastructure, and environmental monitoring network
  - Daily cover materials available onsite
  - Least cost alternative
  
  - Two disadvantages (proximity to sensitive noise receptors and visual aesthetics)
    - City further evaluated a 3<sup>rd</sup> ranked option (a greenfield site) due to these disadvantages
    - Greenfield site was not selected due to the number of overall new stresses this site would cause to the natural and human environments

# Preferred Alternative Landfill Expansion



# Natural Environment Studies



## Aquatic Environment

- Fish Habitat
- Fish/Community Species
- Species at Risk



## Terrestrial Environment

- Habitat, Vegetation Communities, Plant Life
- Protected Areas
- Wetlands
- Birds and Other Wildlife
- Species At Risk



## Groundwater

- Quality
- Quantity and Flow



## Surface Water

- Quality
- Quantity and Flow



## Atmospheric Environment

- Air Quality
- Greenhouse Gas Emission



## Soil Geology

- Surficial Geology
- Soil Contamination

# Social Environment Studies



## Land and Resources

- Existing Land Use
- Planned Land Use and Policies
- Land Resources



## Noise

- Noise Levels
- Sensitive Receptor Locations



## Public Health and Safety

- Water Wells and Supplies
- Litter, Odour and Dust
- Road Safety



## Recreation

- Trails
- Parks and Other Recreational Areas



## Transportation

- Road Infrastructure
- Air Traffic



## Visual Aesthetics

- Visual Landscape



## Municipal and Community

- Municipal Services



## Aboriginal Communities

- Traditional Land Use and Resources
- Archaeological Site
- Cemeteries and Burial Ground

# Cultural & Economic Environment Studies

## Cultural Environment



### Heritage

- Built Heritage
- Other Cultural Features



### Archaeological

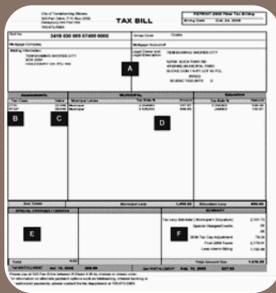
- Archaeological Site
- Cemeteries and Burial Ground

## Economic Environment



### Local Economy

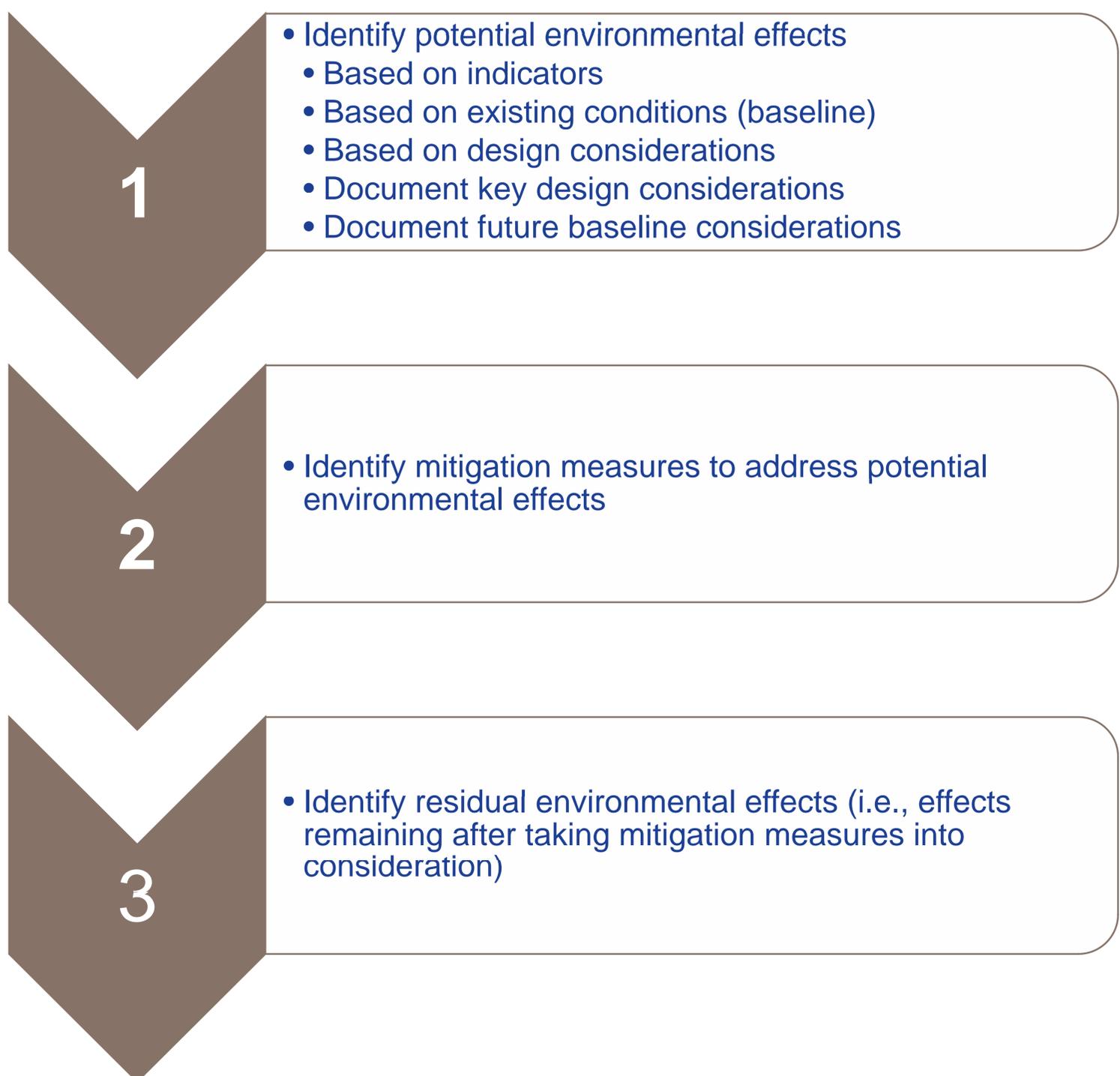
- Labour Market and Local Employment
- Local Businesses



### Municipal Finances

- Revenue and Expenses

- An effects assessment identifies the potential effects to the natural and human environment by the proposed activity (i.e., landfill expansion)



# Contact Us

## How to get involved in the EA process?

- Join our Project mailing list to be kept up-to-date
- Watch for Public Notices in local newspapers and on the City's website
- Check out the Project web site:  
[www.temiskamingshores.ca](http://www.temiskamingshores.ca)
- Review and comment on draft reports as they are released
- Contact Steve Burnett for further information.

Steve Burnett

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