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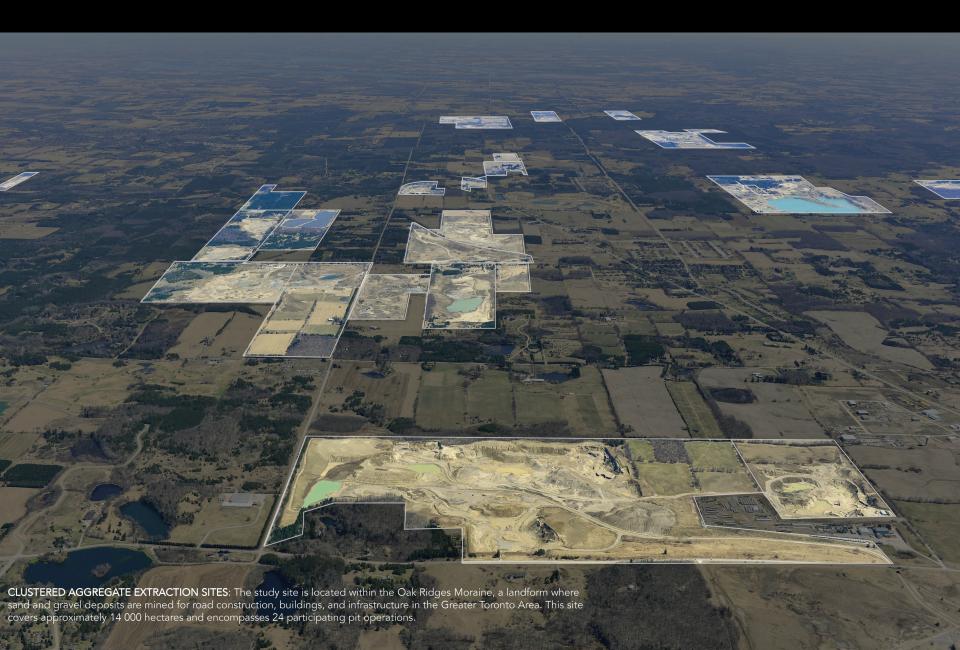
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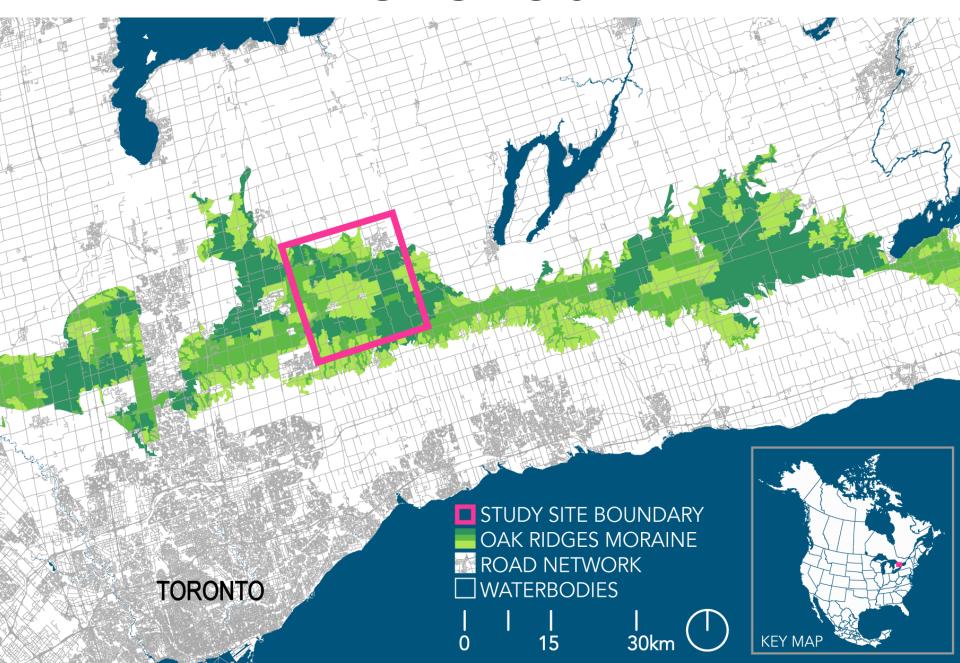
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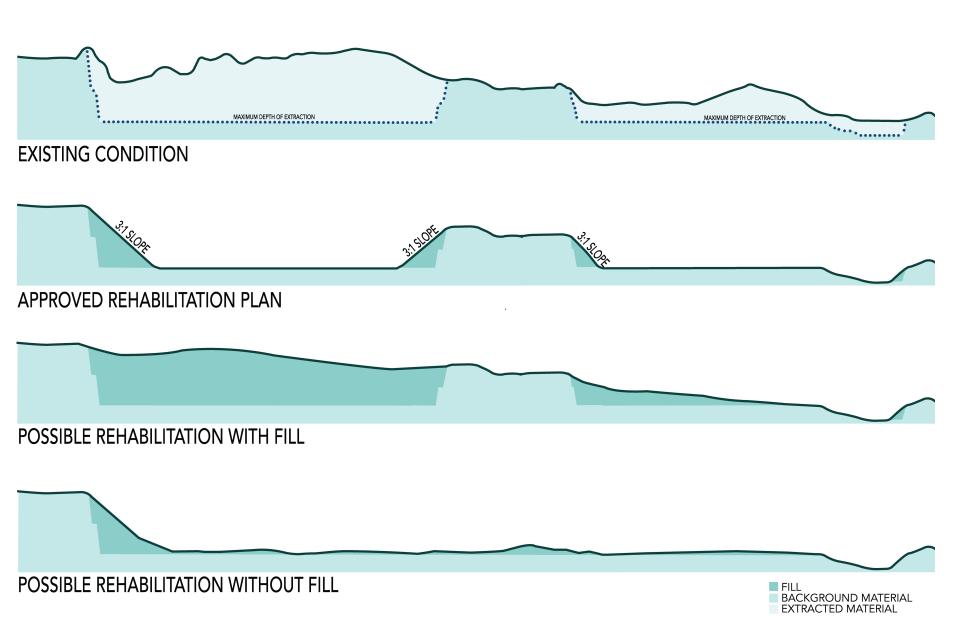
BACKGROUND



BACKGROUND



BACKGROUND



GOALS + OBJECTIVES

- Identify the opportunities and barriers for bioregional design of multiple aggregate-extraction site rehabilitation in the Township of Uxbridge
- Develop a design for landscape scale rehabilitation for the Township

SYNTHESIZE ONTARIO BEST PRACTICES FROM THE GREY LITERATURE

DEVELOP THREE POSSIBLE FUTURE SCENARIOS

ENGAGE STAKEHOLDERS IN AN EVALUATION OF THE SCENARIOS

INTEGRATE STAKEHOLDER INPUT FOR A REVISED FUTURE SCENARIO

MAKE RECOMMENDATIONS TO THE STAKEHOLDERS

LITERATURE REVIEW: ACADEMIC

SUSTAINABLE LANDSCAPE PLANNING

BIOREGIONAL PLANNING

Brunkhorst 2000; Ontario Nature 2014; Thayer 2003

MULTIFUNCTIONAL LANDSCAPES

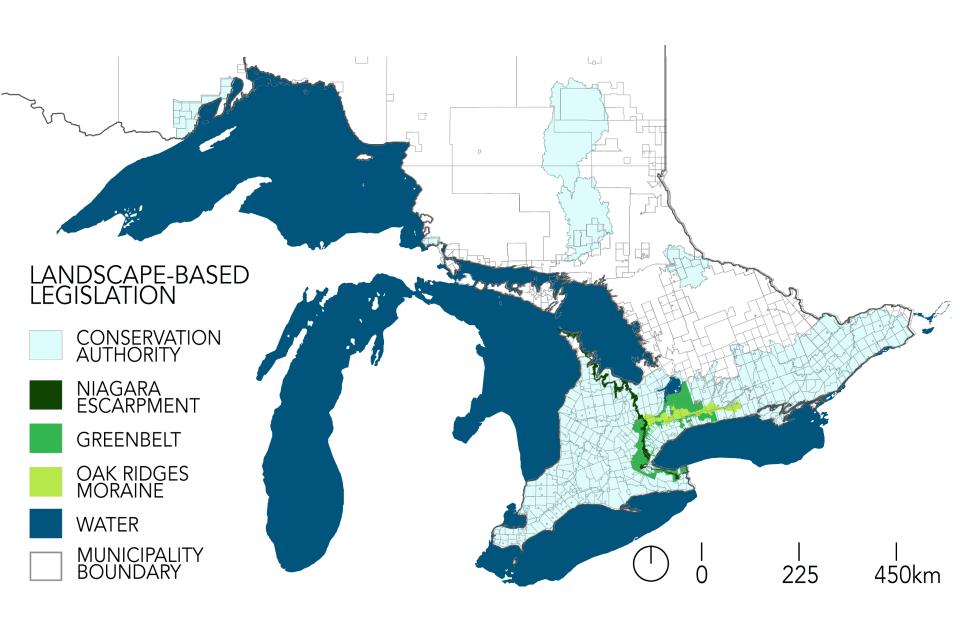
Brandt + Vejre 2004; Kato + Ahern 2009; Lagendijk + Wisserhof 1999; Musacchio 2009; Naveh 2001; Odum 1983; Selman 2012; Selman 2009

STAKEHOLDER ENGAGEMENT

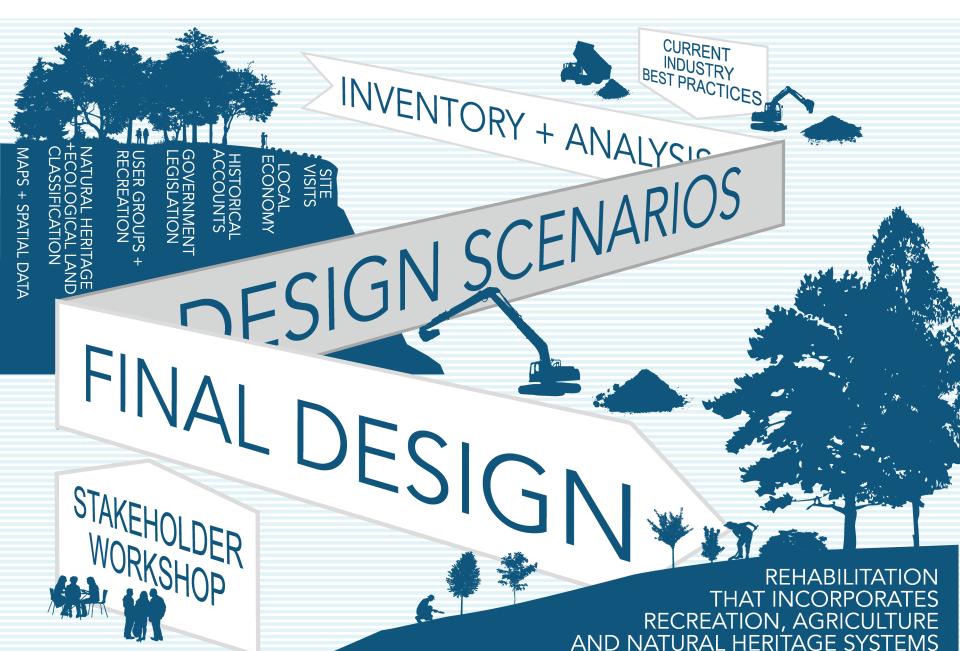
FUTURE + ALTERNATE SCENARIO STUDIES

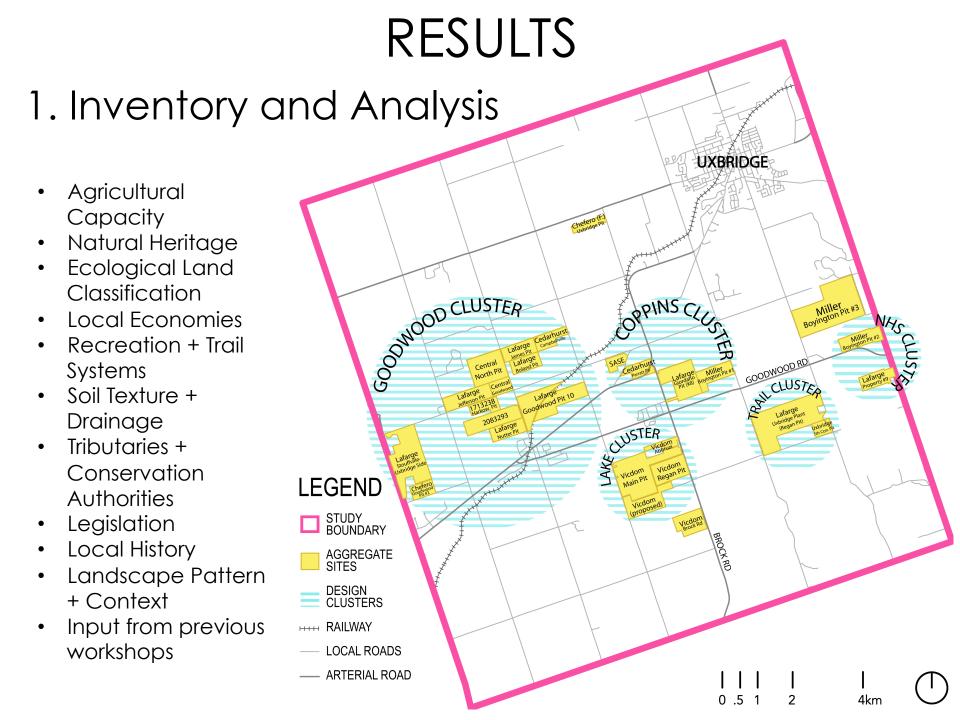
Nassauer 2012; Reed 2008; Swart et al. 2004; Thompson et al. 2012

LITERATURE REVIEW: GREY LITERATURE



METHODS

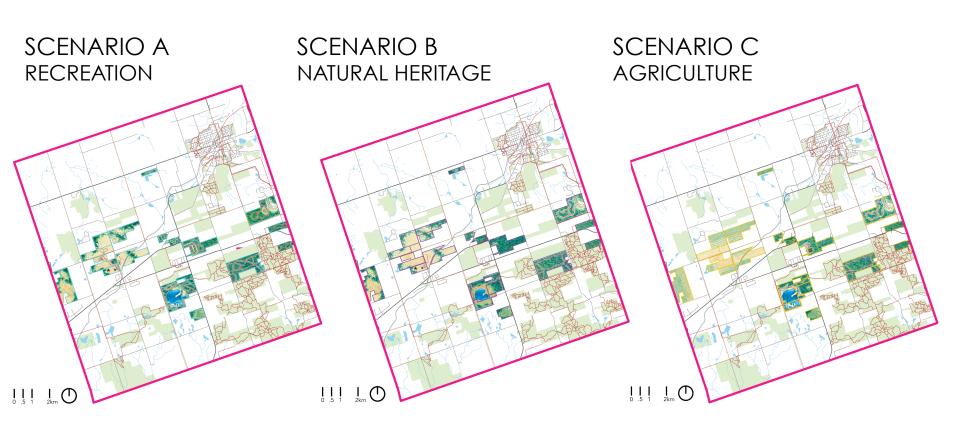




2. Best practices from the grey literature



3. Develop three possible future scenarios



4. Engage stakeholders in a collaborative evaluation of the scenarios







RESULTS + ANALYSIS



RESULTS + ANALYSIS



Worldwide demand for aggregates is anticipated to exceed

53.2 BILLONTONNES

per annum by the year 2017 (Freedonia, 2014)



Spatial data sources:

USA: Mine Safety and Health Administration, US Department of Labor Canada: Global Forest Watch Canada

