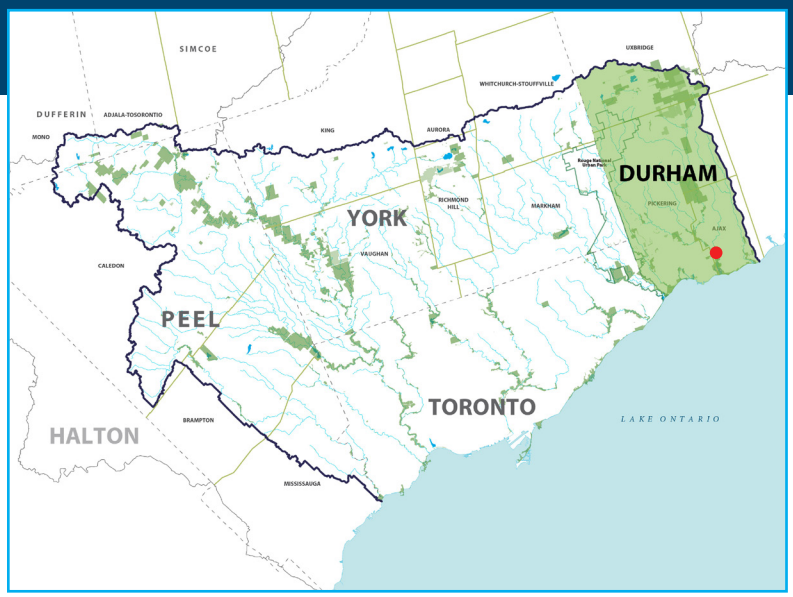
DURHAM

FLOOD AND EROSION INFRASTRUCTURE-PHYSICAL

Ajax Dyke Construction



OVERVIEW

The existing Ajax Dike does not meet current guidelines for safety and stability. The dike requires reconstruction to ensure the long-term safety of the structure. The embankment will be upgraded and replaced to provide flood protection to the surrounding community. The implementation of the preferred restoration plan for the Ajax Dyke includes developing engineering construction tender documents, finalizing construction phasing and methodology, executing a sediment and erosion control plan, and maintaining communication with affected residents. Additionally, it will involve carrying out construction activities and restoring the site afterward.

OBJECTIVES

The Ajax Dyke requires major restoration to meet modern safety and climate resilience standards. Rebuilding it will enhance flood protection, reduce emergency interventions, and safeguard nearby natural features. The objective is a modern, resilient dyke restoration that protects the community and strengthens long term adaptation.

BENEFITING STAKEHOLDERS

- Town of Ajax
- Durham Region
- Local residents

EXPECTED IMPACT

- Reduced risk of dike failure during extreme floods
- Increased flood protection

BUDGET & FUNDING

Estimated Total Cost ($000's):

$5,100 20% Engineering

80% Construction

Possible Funding Sources:

- Water and Erosion Control Infrastructure Grant
- Disaster Mitigation Action Plan Grant
- Municipal Contributions

OWNERSHIP

- TRCA

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KEY PRIORITIES AND ACTIVITIES TO DATE

Flood Protection and Stability Upgrade

High Priority

Reconstruct and modernize the dike through engineered embankment replacement, controlled construction, and site restoration to meet current safety standards and protect the surrounding community.

Work to Date

- Class Environmental Assessment completed for upgrades.

RISKS IF UNFUNDED

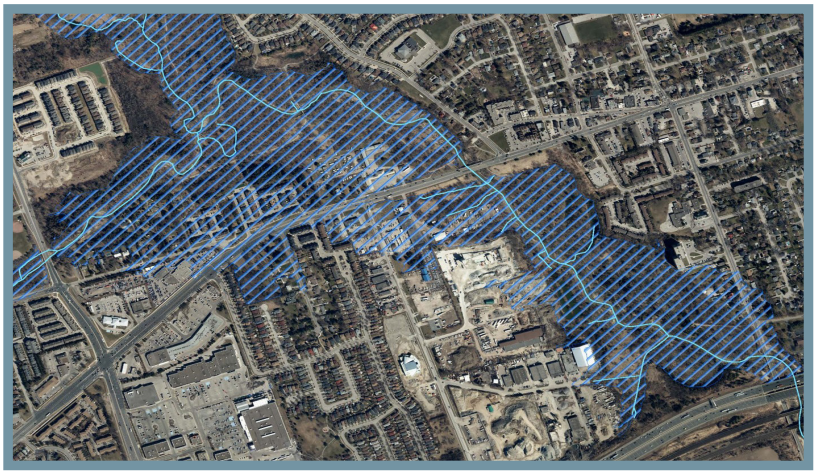
Social: Failure of the dike could result in flooding that poses a direct risk to life, property, and community well-being, including displacement of residents and loss of public trust.

Financial / Economic: Unfunded upgrades increase the likelihood of emergency response, property damage, and liability costs that would significantly exceed the cost of planned reconstruction.

Deferred Action Risk: Delaying action allows continued deterioration of the dike, increasing the probability of failure and reducing the effectiveness and feasibility of future remediation efforts.

KEY DATES

- **Possible Start:** TBD
- **Duration:** 4 Years



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