

Dundee North New Secondary Plan Public Information Center 1

June 9th, 2022 6:30 pm to 8 pm

Land Acknowledgement



The City of Kitchener is situated on the traditional territory of the Neutral, the Mississaugas of the Credit First Nation, and Haudenosaunee Peoples. We recognize our responsibility to serve as stewards for the land and honour the original caretakers who came before us. Our community is enriched by the enduring knowledge and deep-rooted traditions of the diverse First Nations, Metis and Inuit in Kitchener today.

Project Team

City of Kitchener

- Carrie Musselman
- Richard Kelly-Ruetz
- Gaurang Khandelwal

Jacobs

- Tom Mahood
- Jillian Schmitter

Ward Councillors

- Christine Michaud
(Ward 4)
- Kelly Galloway-Sealock
(Ward 5)

Agenda



- Problem Statement
- Study Area
- Planning and EA process
- History & Context
- Overview of Existing Conditions
- Subwatershed Goals and Objectives
- Next Steps
- Questions

Problem and Opportunity Statement

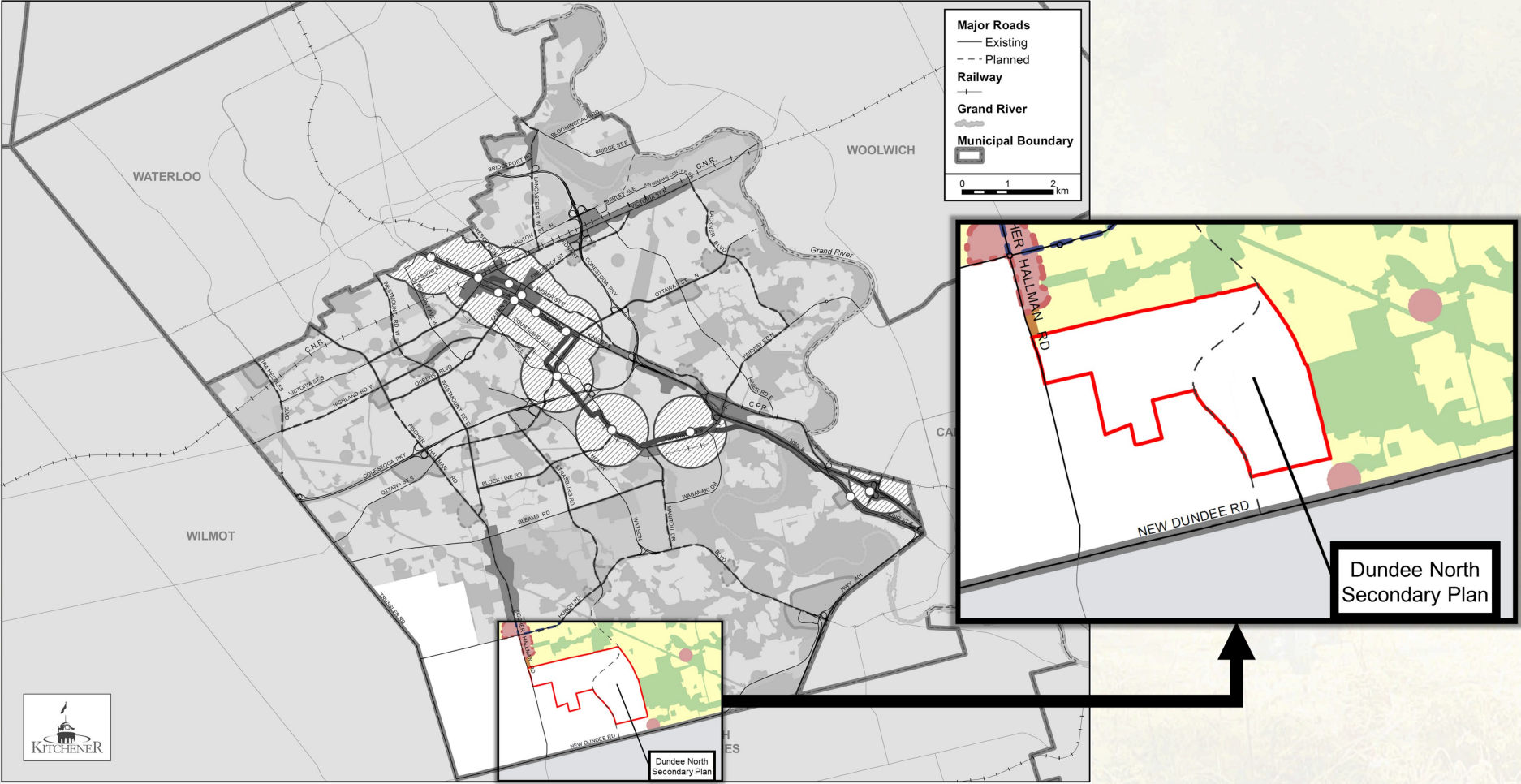


The City must complete a Secondary Plan for the Dundee North Study Area to satisfy the requirements of an Ontario Municipal Board Settlement and amendment to the Region's Official Plan.

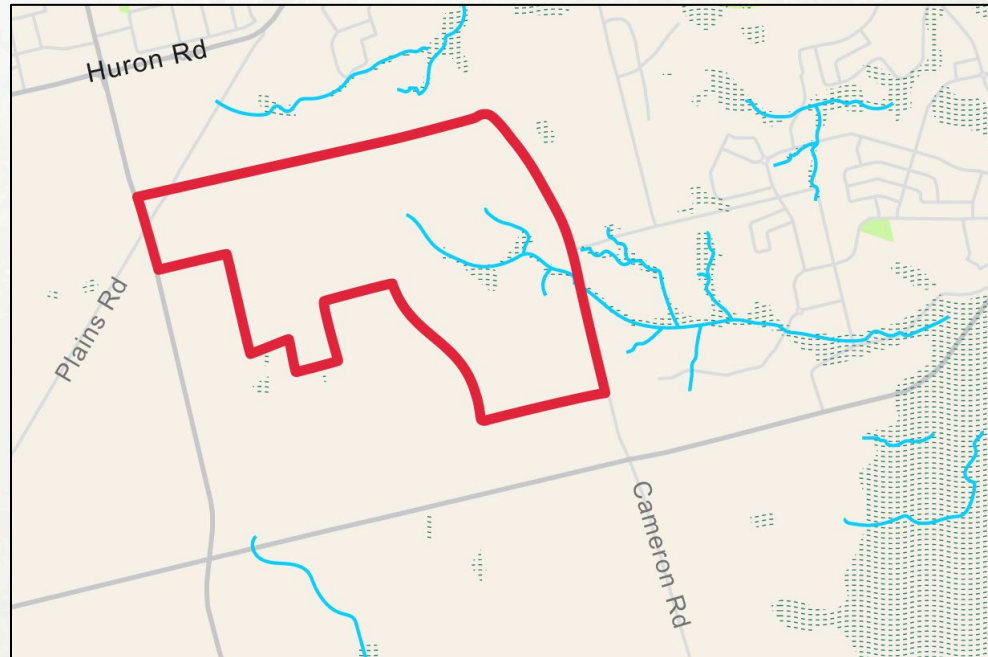
This provides the opportunity to shape development in a manner that meets identified community needs while protecting the environment and meeting subwatershed goals.

Study Area

Project Study Area



Project Study Area



- The Dundee North Study Area is located in the Southwest Corner of the City of Kitchener.
- It is located within the Blair Creek and Cedar Creek Subwatersheds.
- The land within the study area is privately owned and is currently natural heritage and cultivated agricultural land.

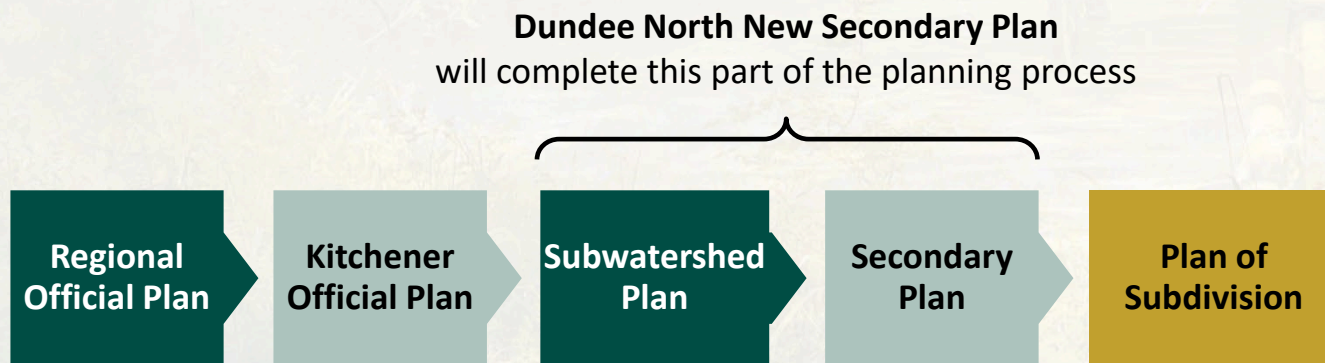
Planning and EA Process

Planning Context



This project will result in:

- A proposed amendment to Kitchener's Official Plan and requires approval under the Planning Act
- Recommended infrastructure to service the study area which requires approval under the EA Act



Source: City of Kitchener Official Plan

Provincial Planning Context



Therefore, the Dundee North New Secondary Plan is being completed as an Integrated Environmental Assessment under the:

- Environmental Assessment Act
- Planning Act

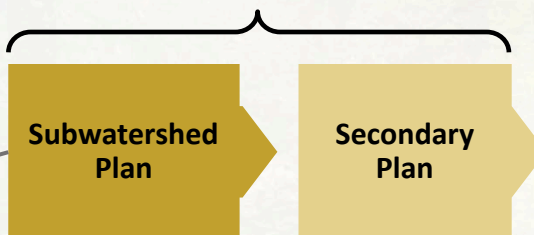
The project will follow the decision-making framework outlined by the Municipal Engineers Association to effectively meet the requirements of the EA Act.

The project will complete Phases 1 and 2 of the MEA process and includes activities that satisfy the requirements of the Planning Act.

Integrated Environmental Assessment Process



Dundee North New Secondary Plan



Identify Problems
& Opportunities

Notice of Commencement

★
First Public
Information Centre

Define Existing Conditions
(Data Collection & Review)

Refine Problems
& Opportunities

Develop Alternative
Land Use Scenarios

Establish Evaluation Criteria

Determine Preferred
Land Use Scenario

★
Second Public
Information Centre

Finalize Land Use Scenario

Prepare Secondary Plan,
associated technical studies
and Official Plan Amendment

★
Public Meeting** on
Secondary Plan and
Infrastructure

Notice of Completion
(30-day review period)

We
are
here

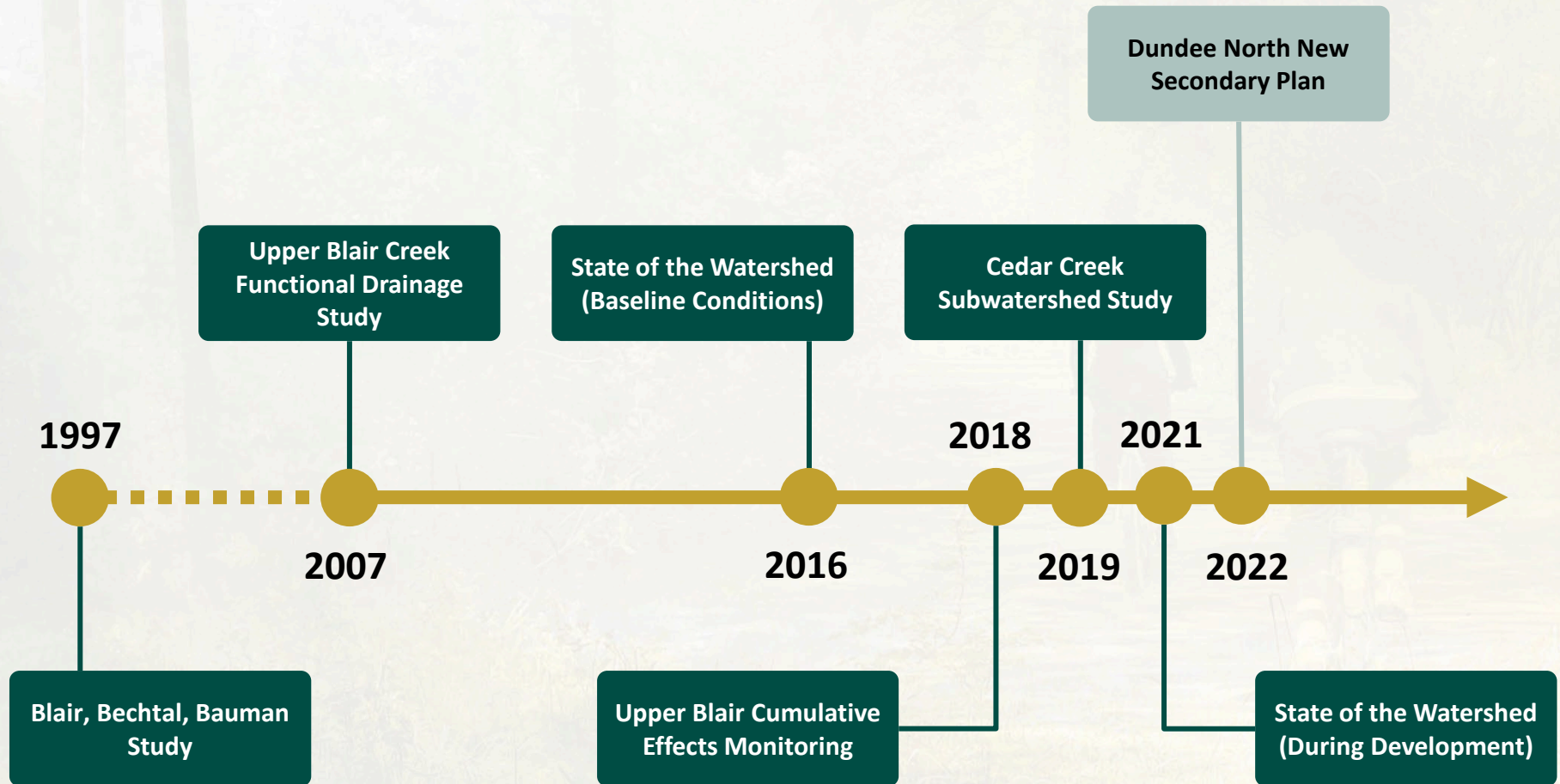
Note –

* This is a Municipal Class EA 'Schedule B' project. Schedule B projects require Phases 1 and 2 of the EA process.

** Public Meeting will be as per the *Planning Act*

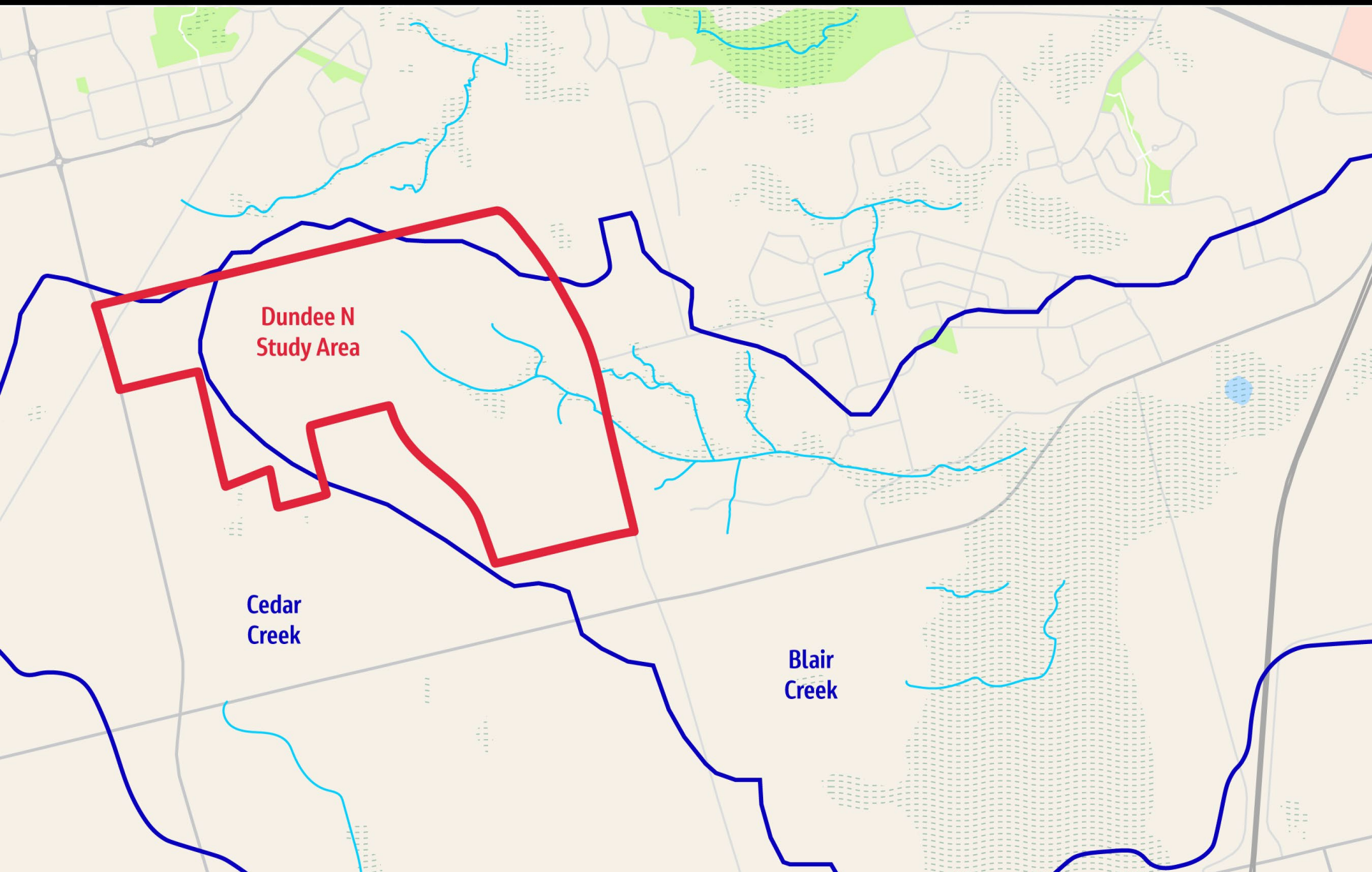
History and Context

Study Area Context & History



Overview of Existing Conditions

Subwatersheds



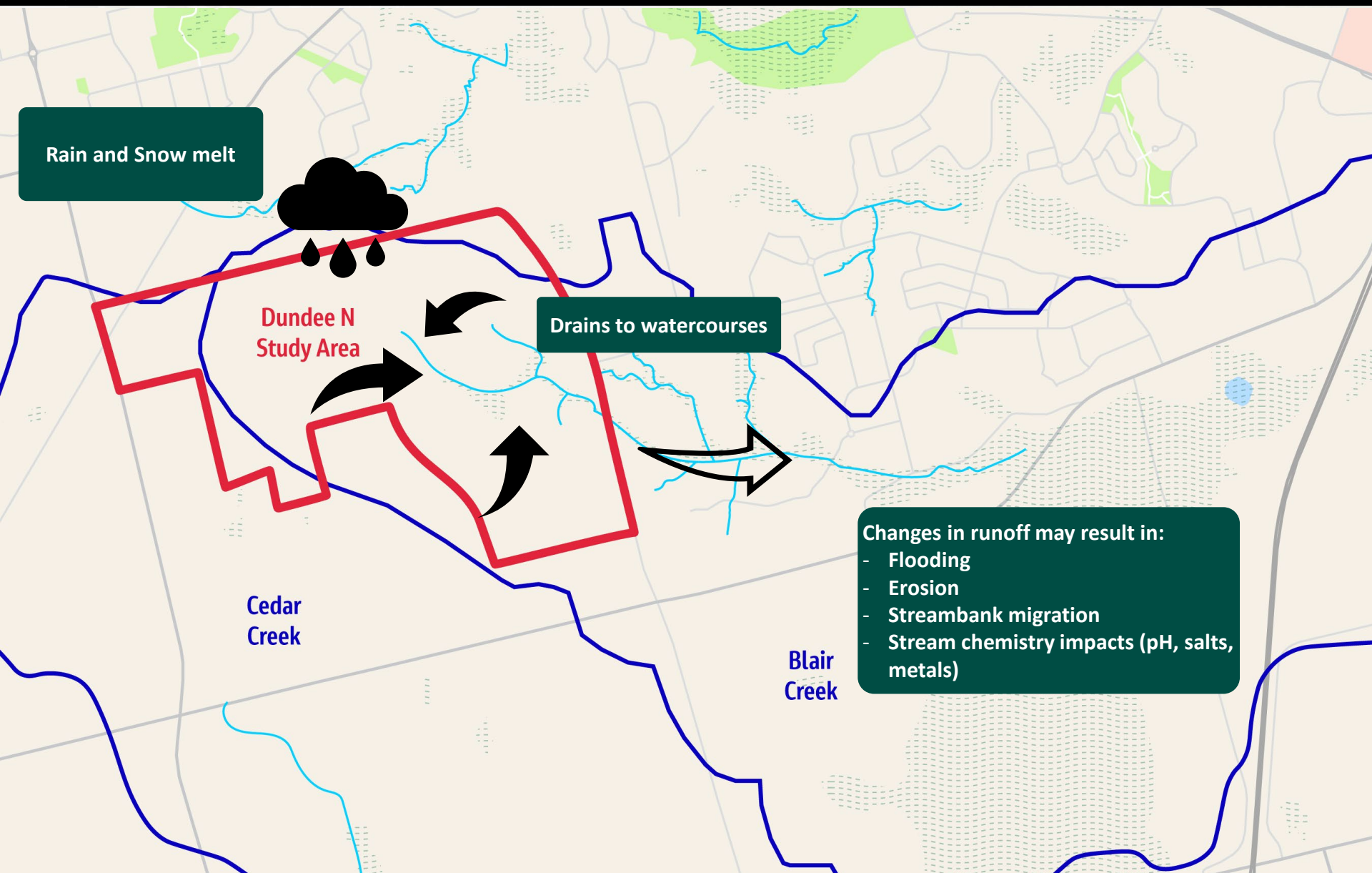
Existing Conditions: Surface Water



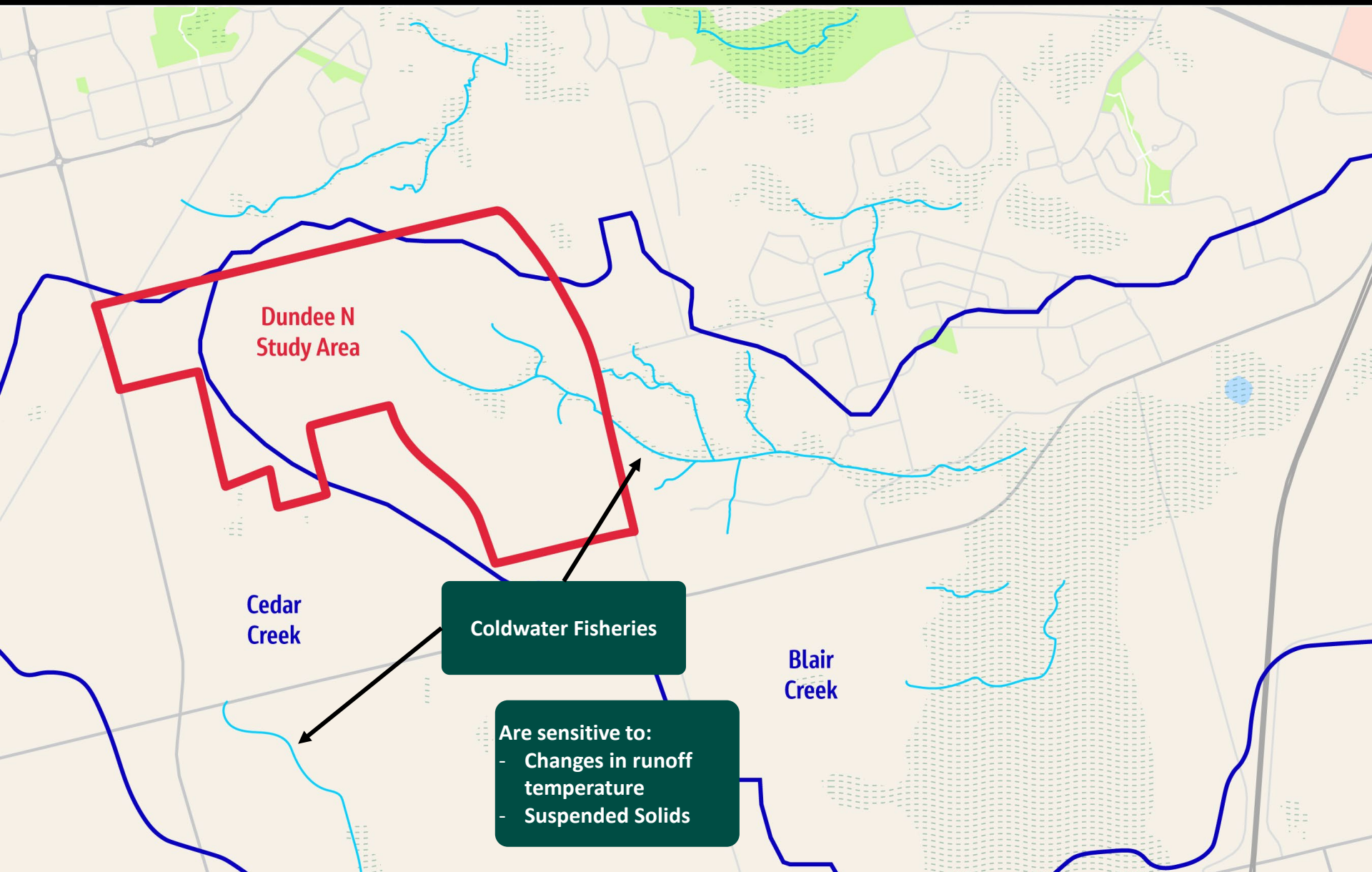
For this study it is important to consider:

1. Both the Cedar and Blair Creeks are coldwater fisheries that support brook trout populations.
2. Both are sensitive to increased temperatures in runoff reaching watercourses, this will inform the stormwater servicing strategies.
3. Surface water is key to the health to both aquatic and terrestrial habitats within the subwatershed.

Existing Conditions: Surface Water



Existing Conditions: Surface Water



Existing Conditions: Groundwater

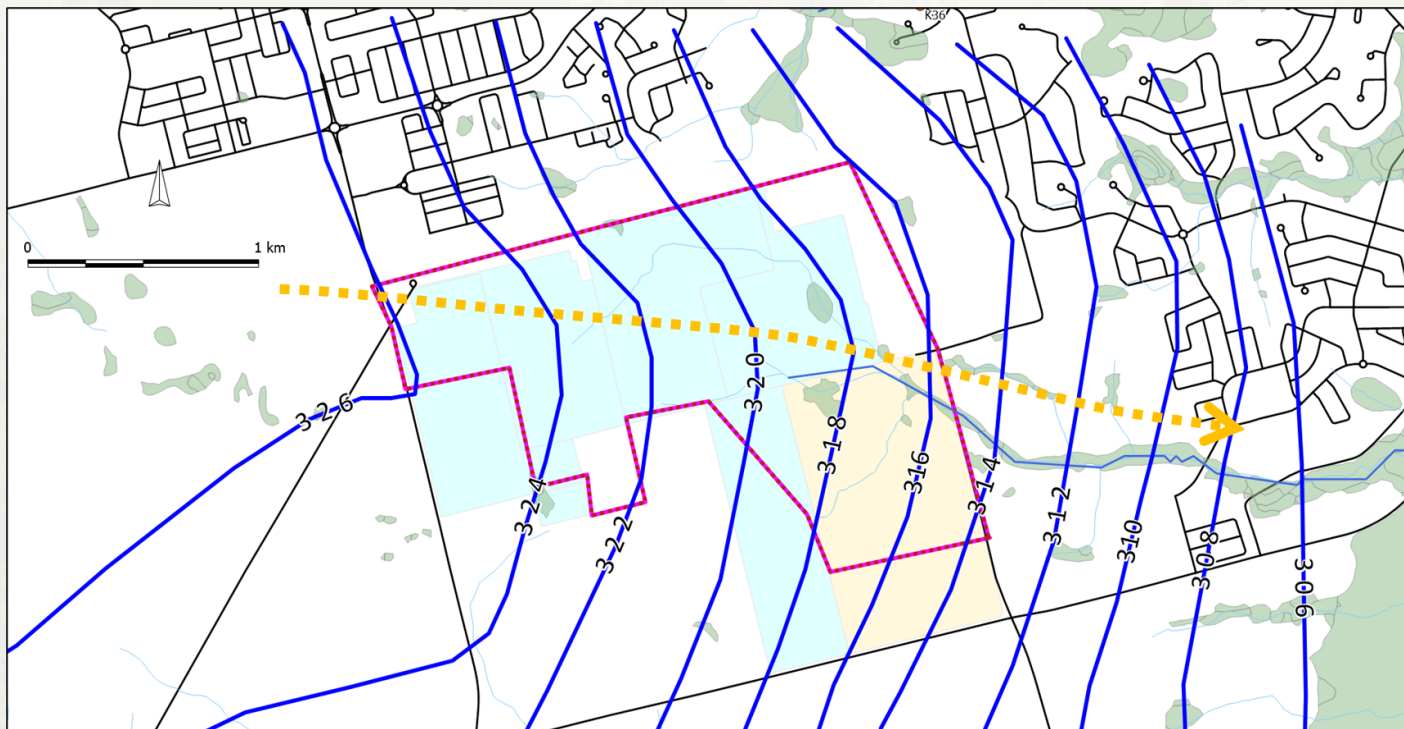


For this study it is important to consider:

1. Groundwater flowing into the study area
2. Groundwater flowing out of our study area and discharging to sensitive surface water features
3. Nearby municipal water takings and supply

Existing Conditions: Groundwater

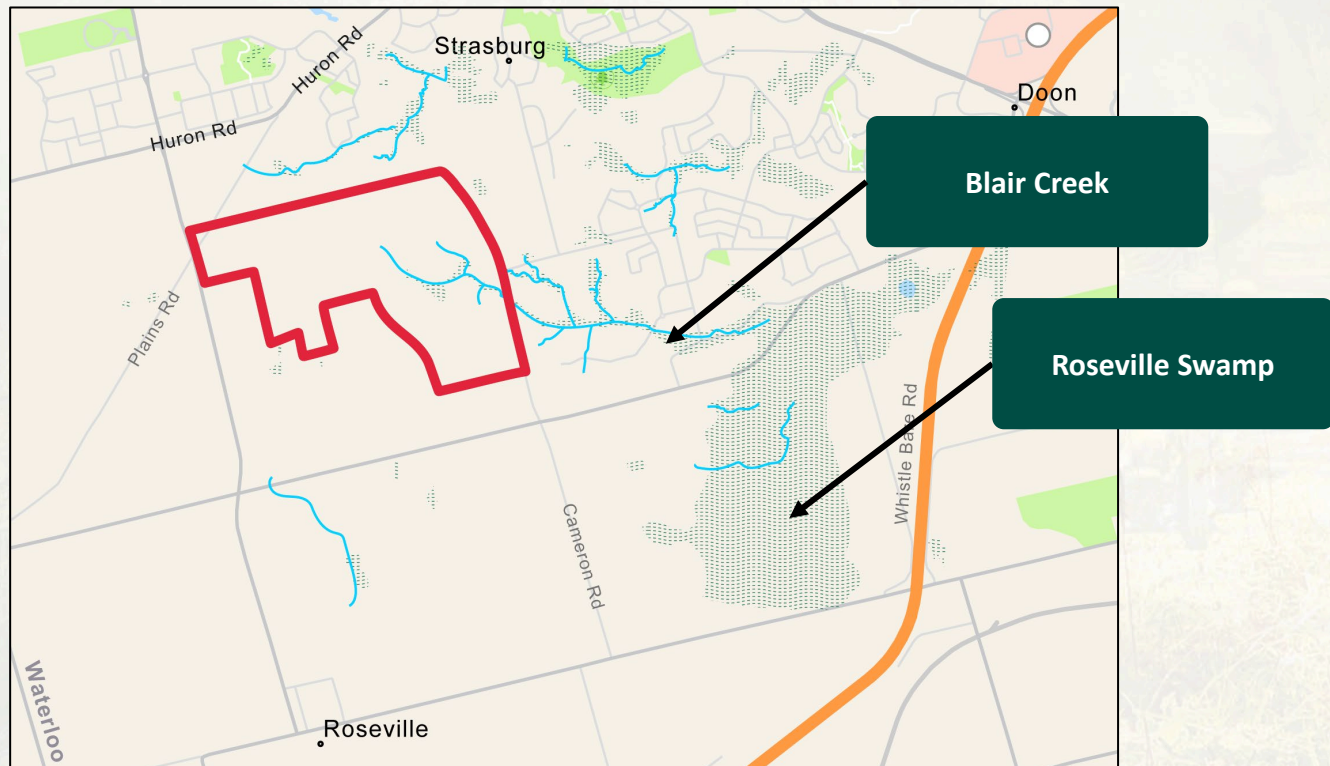
1. Groundwater flowing into the study area from the west



Upper
Aquifer
(AFB2);
contours
from Cedar
Creek SWS

Existing Conditions: Groundwater

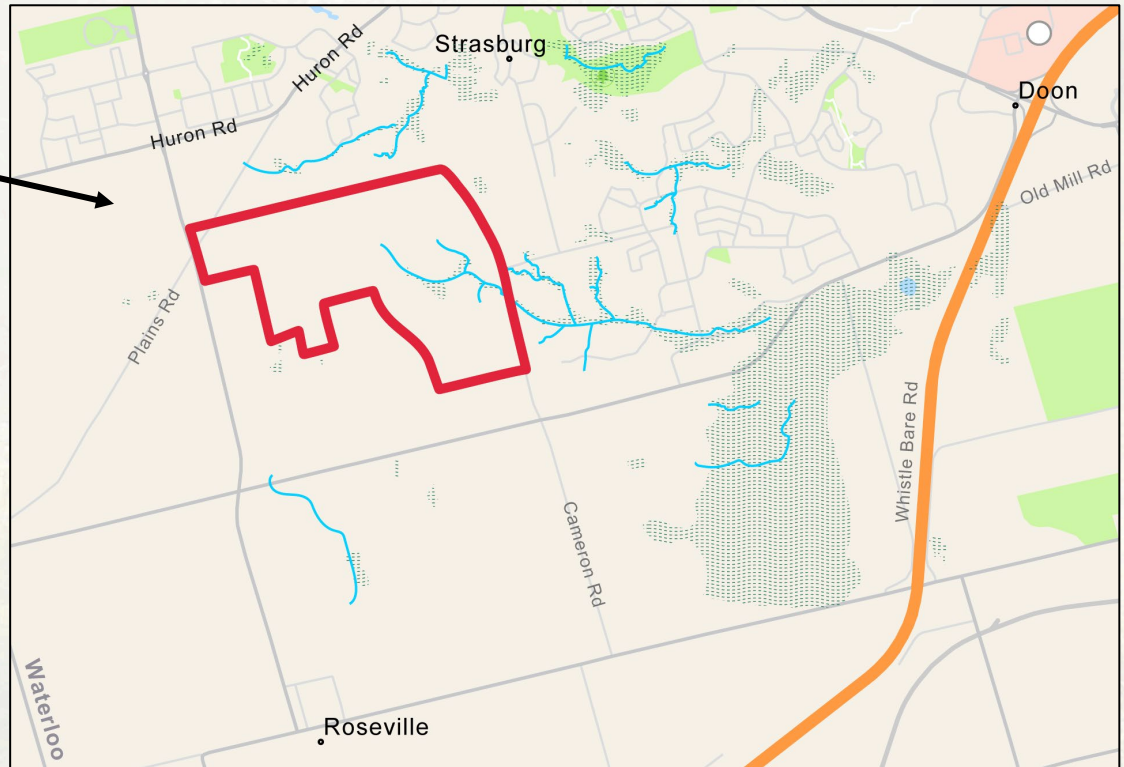
2. Groundwater flowing out of our study area and discharging to sensitive surface water features and wetlands, such as Roseville Swamp, Cedar Creek, and Blair Creek.



Existing Conditions: Groundwater

3. Near by municipal water takings and supply

Municipal Water Supply
Aquifer



Existing Conditions: Natural Heritage



For this study it is important to consider:

- Water balance (surface and groundwater) can impact aquatic and terrestrial habitat
- Providing wildlife corridors connecting terrestrial habitat and other natural heritage features
- Protecting and maintaining habitat for potential species at risk

Existing Conditions: Natural Heritage



Subwatershed Goals and Objectives

Subwatershed Goals, Objectives, and Targets



There are existing subwatershed Goals, Objectives, and Targets for the Cedar Creek and Blair Creek subwatersheds. These were reviewed with respect to existing conditions and confirmed for the Study Area.

Subwatershed Goals



1. **Surface Water Protection:** To restore, protect, and enhance surface water quality, surface water quantity, and associated aquatic resources and water supplies and to mitigate impacts within, adjacent to, and downstream of the study area.
2. **Groundwater Protection:** To protect, restore, and enhance the quantity, quality, and ecological, hydrologic, and hydrogeologic functions of water quality resources within and downstream of the Study Area.
3. **Natural Heritage Preservation:** To conserve, protect, and restore biodiversity, connectivity, and ecological function of natural land, water, forest, and wildlife resources and features within, adjacent to, and downstream of the Study Area.
4. **Protection from Natural Hazards:** To mitigate the risks to life and the destruction of property and natural resources from flooding and erosion and preserve natural and regulatory floodplain hydrologic functions, and to not create new natural hazards in, adjacent to, or downstream of the study area.

Subwatershed Objectives



Goal 1: Surface Water Protection

- A To control sediment discharges and provide erosion control.
- B To maintain, enhance, or restore natural stream processes to achieve a balance of flow and sediment transport, and to maintain/reduce rates post-development (stream stability).
- C To maintain, enhance, or restore coldwater fisheries potential of the watercourses.
- D To maintain existing water quality and contribute to achieving federal, provincial, and municipal water and sediment quality objectives and guidelines in watercourses.
- E Preserve and re-establish the natural hydrologic cycle.
- F Manage wet weather flows to maintain ecohydrology (e.g. stream, riparian, wetland).
- G To protect, mitigate, and adapt the watercourse from the impacts of climate change.

Subwatershed Objectives



Goal 2: Groundwater Protection

- A To maintain infiltration, baseflow, and discharge to natural features.
- B To maintain groundwater levels and baseflows (groundwater discharge to watercourses and wetlands) to sustain watershed functions, human uses, and mitigate climate change impacts.
- C To maintain groundwater quality to support watershed functions.

Subwatershed Objectives



Goal 3: Natural Heritage Preservation

- A To protect, restore, or enhance the integrity of the watershed ecosystem through an integration approach of natural areas, habitats, and connected links.
 - B To design and operated stormwater management facilities to maintain a healthy aquatic ecosystem, including the existing coldwater fisheries.
 - C To maintain or improve the ecohydrology of wetlands, especially the Roseville Swamp Complex and wetlands within the Endangered Species Habitat.
 - D To protect, mitigate, and adapt the natural heritage system from the impacts of climate change.
-

Subwatershed Objectives



Goal 4: Protection from Natural Hazards

- A To prevent an increase in the frequency and intensity of flooding, the rate of natural stream erosion, or increase slope instability caused by new development.
 - B To establish land use controls such that development is appropriately setback from flooding and erosion hazards.
 - C To establish appropriate mitigation measures to avoid adverse impacts to natural features and areas as it relates to natural hazards in new development infrastructure.
 - D To understand and identify how climate change may introduce new natural hazards and incorporate this understanding in land use planning and management strategies.
-

Looking Ahead



As outlined in our Official Plan we are committed to creating a complete and healthy community through:

- the promotion of a compact urban form,
- efficient and effective delivery of services,
- employment opportunities,
- environmental conservation,
- the provision of arts and culture, and
- the protection and promotion of cultural diversity.

Seeking Feedback



We are seeking input on community needs, and expect to hear about needs like:



Parks & Recreation



Employment



Schools



Commercial



Reconciliation



Housing

? Others

How will we use your Feedback?



We are developing Draft Land Use Scenarios.

Feedback provided to the City will be:

1. Evaluated for compatibility with City and Subwatershed goals, and
2. Incorporated in the Draft Land Use Scenarios as appropriate.

The impacts of the Draft Land Use Scenarios will be identified and used to select the preferred Land Use Scenario.

How to Provide Feedback



Please provide your feedback through
Engage Kitchener project page.



<https://www.engagewr.ca/dundeenorth>

Or contact the Project Team:

Carrie Musselman, BSc., Dip.
Senior Environmental Planner
City of Kitchener, Planning Division
200 King Street West
Kitchener, Ontario N2G 2G7
dundeenorth@Kitchener.ca

Tom Mahood, P.Eng.
Project Manager
Jacobs
200 Victoria Street South
Kitchener, Ontario N2G 4Y9
DundeeNSecondaryPlan@jacobs.com

Next Steps



- Receive feedback through the engagement process
- Incorporate feedback into the draft land use scenarios
- Evaluate impacts of the draft land use scenarios and identify a preferred land use scenario
- Host PIC 2 to provide an update and solicit feedback
- Continued engagement throughout the study

Questions

