**From:** Van Dusen, Regina on behalf of Regional Clerk

**Sent:** Monday, June 29, 2020 12:30 PM

Subject: Regional Council Decision - Regional Official Plan Natural Systems Planning Background

Report

Attachments: Regional Official Plan Natural Systems Planning Background Report.pdf

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On June 25, 2020 Regional Council made the following decision:

1. Regional Clerk forward this report and attachments to the Ministry of Municipal Affairs and Housing, the local municipalities and local conservation authorities.

The original staff report is attached for your information.

Please contact Sandra Malcic, Director, Long Range Planning at 1-877-464-9675 ext. 75724 if you have any questions with respect to this matter.

Regards,

Christopher Raynor | Regional Clerk, Office of the Regional Clerk, Corporate Services

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### The Regional Municipality of York

Committee of the Whole
Planning and Economic Development
June 11, 2020

Report of the Commissioner of Corporate Services and Chief Planner

## Regional Official Plan Natural Systems Planning Background Report

#### 1. Recommendation

1. Regional Clerk forward this report and attachments to the Ministry of Municipal Affairs and Housing, the local municipalities and local conservation authorities.

### 2. Summary

This report and attachments introduce the approach to updating natural systems (natural heritage system and water resource system) as part of the Regional Official Plan (ROP) update. Updated natural systems mapping and policy direction will be included in the draft ROP anticipated within the first half of 2021.

#### **Key Points:**

- York Region has a long history of natural systems planning; current policies provide a strong foundation and some are considered leading examples of natural systems planning within the Greater Golden Horseshoe (GGH)
- The Province released Provincial Natural Heritage System (NHS) mapping for the GGH and updated policy direction through the coordinated provincial plan review that require conformity through the Municipal Comprehensive Review (MCR)
- This report outlines the approach for updating Official Plan policies and mapping that builds on the strong existing ROP natural systems policy and mapping framework and ensures conformity with provincial plans
- In addition to Provincial NHS mapping, the Region is reviewing all natural feature and systems mapping in the ROP against most recent data available
- Staff will consult with local municipalities, stakeholders and the public on proposed mapping and policy changes in advance of a draft ROP

### 3. Background

## York Region places significant emphasis on protection of natural systems through its Greenlands System

Natural systems include the water resource system and natural heritage system, as described in Table 1. The features of these systems are complementary, may overlap, and function together. The Regional Greenlands is a connected system of protected natural heritage features, land and water systems that ensure animal and plant species and their natural environment thrive. Since the 1994 ROP, Regional Council has placed significant emphasis on identification, protection, restoration and enhancement of the Region's natural systems, including wetlands, woodlands, lakes and streams. The existing ROP focuses on strengthening and connecting the Regional Greenlands System through enhancement and restoration of the system.

Table 1
Components of Natural Systems

Component	Examples		
Water Resource System	Permanent and intermittent streams		
	Lakes		
	Highly vulnerable aquifers		
	Wetlands		
Natural Heritage System	Woodlands		
	Wildlife habitat		
	Fish habitat		
	Wetlands (ecological functions)		

# The Province has provided updated direction on natural systems planning policies and mapping since the current Official Plan was approved

Since 2010, updated provincial direction has come into effect in the form of Provincial Policy Statement (2020), Growth Plan (2019), Greenbelt Plan (2017) and Oak Ridges Moraine Conservation Plan (2017). In addition to updated policy direction, the Province introduced NHS mapping for the Growth Plan. York Region is required to incorporate this provincial mapping, subject to refinements, and apply appropriate policies in the Official Plan to maintain, restore, or enhance the diversity and connectivity of the system. In addition to the requirement to incorporate the Provincial NHS mapping, the draft ROP will refine existing

natural system mapping (including wetlands and woodlands) where more recent information is available.

Other notable provincial direction updates include strengthened policy language for water resource system which aligns with other legislation such as source water protection, new Urban River Valley policies and identification of key hydrologic areas (i.e. significant groundwater recharge areas, highly vulnerable aquifers and significant surface water contribution areas).

### 4. Analysis

## Official Plan policy and mapping updates will build on the existing comprehensive natural systems policy framework

A detailed review of current ROP policies against the Provincial Policy Statement (PPS), Growth Plan, Greenbelt Plan and Oak Ridges Moraine Conservation Plan related to natural systems indicates strong alignment with provincial direction. Updates to natural systems policy will build on the existing comprehensive Official Plan policy framework. The Region is working with partner conservation authorities and local municipalities to include best available information to inform policy updates and mapping requirements. Key provincial policy changes and proposed ROP actions are contained within Attachment 1. Given current ROP policies' strong alignment with provincial direction, many of the updates are minor in nature, requiring updates to existing ROP language for consistency.

To achieve conformity with provincial policy direction, staff are undertaking the following to inform the draft ROP:

- Update existing Official Plan mapping to reflect provincial direction and best available information
- Refine, where appropriate, and implement Provincial NHS mapping
- Review and update ROP policy and language to improve consistency and alignment with provincial policy
- Update ROP definitions to conform to new provincial plans

## York Region's Natural Heritage System mapping shows strong alignment with provincial natural heritage mapping

The new Provincial Growth Plan NHS mapping for the GGH excludes lands inside of settlement area boundaries that were approved and in effect as of July 1, 2017, and policies are intended to provide consistent and long-term protection of the natural system throughout the GGH.

Preliminary analysis of Regional Greenlands System compared to Growth Plan NHS mapping confirms over 90% alignment (Attachment 2). The mapping includes areas across the Growth Plan, Greenbelt and Oak Ridges Moraine plan areas. The Growth Plan allows

upper-tier municipalities to refine provincial mapping of the NHS at the time of initial implementation into their official plans. After initial implementation, further refinements to Provincial NHS mapping can be made through an MCR.

Within settlement areas, the Growth Plan and PPS defer the identification and protection of natural heritage features and areas to municipalities. Regional staff support this flexible and collaborative approach to finalizing natural systems mapping as it will result in achieving provincial requirements, reflect current environmental studies and take into account local circumstances and stakeholder input. Several of the Region's local municipalities are currently undertaking Official Plan reviews and when completed, locally identified natural heritage systems will be incorporated into the ROP.

#### Refinements to existing ROP natural systems mapping are minor in nature

In addition to the Provincial NHS mapping, the Region is reviewing and updating all natural systems mapping in the ROP where updated information is available. Attachment 2 maps updated information for the key natural heritage features, key hydrologic features and key hydrologic areas. These maps illustrate the extent of potential changes that may be included in draft ROP mapping. Updated information comes from provincial and conservation authority data and reflects new provincial policy. Updated mapping methodologies allow for more precision when delineating the natural system.

Attachment 3 provides preliminary analysis of differences between current ROP mapping and new information showing differences in land area. While most natural system features and areas have minor areas of discrepancy, others may appear more substantive. For example, updated Significant Groundwater Recharge Area mapping appear to be a substantive change, but these features are currently protected through the Region's source water protection plans. The updated mapping brings the ROP into alignment with existing source water protection plans and policy approaches.

The ROP recognizes and protects water systems and key hydrologic functions primarily from a source water protection perspective and maps key hydrologic features. Provincial plans now require municipalities to identify a water resource system informed by watershed planning that is comprised of key hydrologic features and areas. The majority of the key hydrologic features and areas are recognized in the existing ROP, however new policies will be required to conform to the added component of significant surface water contribution areas. Any major development proposed in these areas will be subject to further assessment to demonstrate how hydrologic functions of these areas are protected. This approach is consistent with ROP policies for other key hydrologic areas such as highly vulnerable aquifers and significant groundwater recharge areas.

## Consultation on proposed mapping and policy changes to the natural and agricultural system will be completed together in advance of the draft ROP

Meetings have been held with conservation authority and local municipal staff to review potential mapping changes and seek input. Regional staff will continue discussions with local municipalities and conservation authority staff to finalize draft ROP mapping and proposed updated policies for natural systems. Staff also continue to consult on the proposed

agriculture system, as outlined in the <u>June 2019</u> report, alongside the natural systems component of the MCR, recognizing policies and mapping for both are interrelated and an overlap with interested stakeholders. Additionally, staff will engage the Agriculture and Agri-Food Advisory Committee and the Planning Advisory Committee as many natural systems features and areas intersect within the agricultural system.

## Staff will report back with proposed mapping and draft policy framework through the draft ROP

Staff continue to advance technical mapping and policy work on natural systems planning. Discussions with local municipal planning and conservation staff are ongoing toward completion of draft mapping. Staff will report back to Council with draft natural systems mapping and policies, anticipated within the first half of 2021 with the draft ROP. Public and stakeholder consultation will continue to help confirm accuracy of the current policy framework and mapping.

#### 5. Financial

Background work for refinement of the natural system policies and mapping is being undertaken within the existing staff complement and budget of the Planning and Economic Development Branch.

### 6. Local Impact

Local municipalities and conservation authorities are key partners in protection and enhancement of York Region's natural system. In addition to consultation efforts identified above, Regional staff have asked local municipalities to provide natural system mapping related comments that will be considered in the updated mapping for the draft ROP. Staff will continue working with them on refining mapping and policies throughout the ROP update.

#### 7. Conclusion

Provincial plans require the Region to implement the natural system through updated policy and mapping. Existing ROP policies and mapping provide comprehensive protection of the Region's natural systems; updates are required to conform to provincial plans. Staff will update existing ROP natural systems mapping and policy framework to meet conformity requirements. Continued engagement with local municipalities, conservation authorities and stakeholders will occur throughout the process of policy and mapping updates. Natural systems preliminary mapping and policy directions will be presented to Council in advance of public consultation in the first half of 2021.

For more information on this report, please contact Sandra Malcic, Director, Long Range Planning at 1-877-464-9675 ext. 75724. Accessible formats or communication supports are available upon request.

Recommended by: Paul Freeman, MCIP, RPP

**Chief Planner** 

**Dino Basso** 

Commissioner of Corporate Services

Approved for Submission: Bruce Macgregor

Chief Administrative Officer

May 29, 2020 Attachments (3) #10391770

## Natural Systems Regional Official Plan Provincial Policy Conformity

#### **List of Provincial Policy Documents Reviewed**

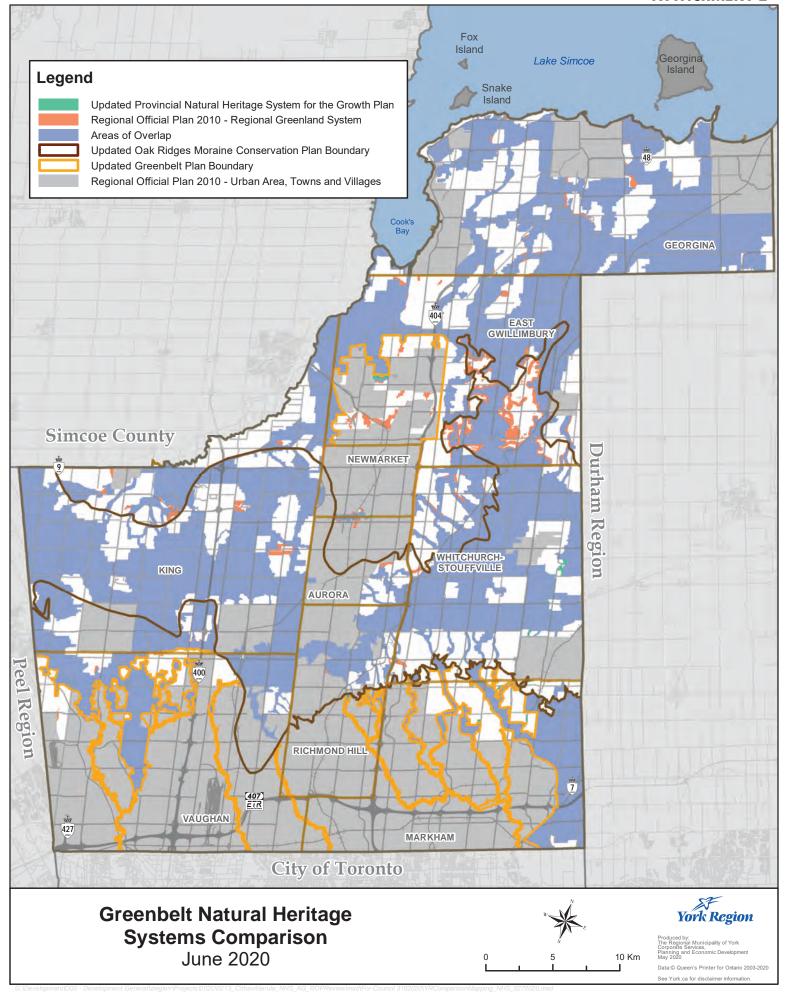
- PPS Provincial Policy Statement, 2020
- GBP Greenbelt Plan, 2017
- ORMCP Oak Ridges Moraine Conservation Plan, 2017
- GP A Place to Grow: Growth Plan for the Greater Golden Horseshoe, 2019

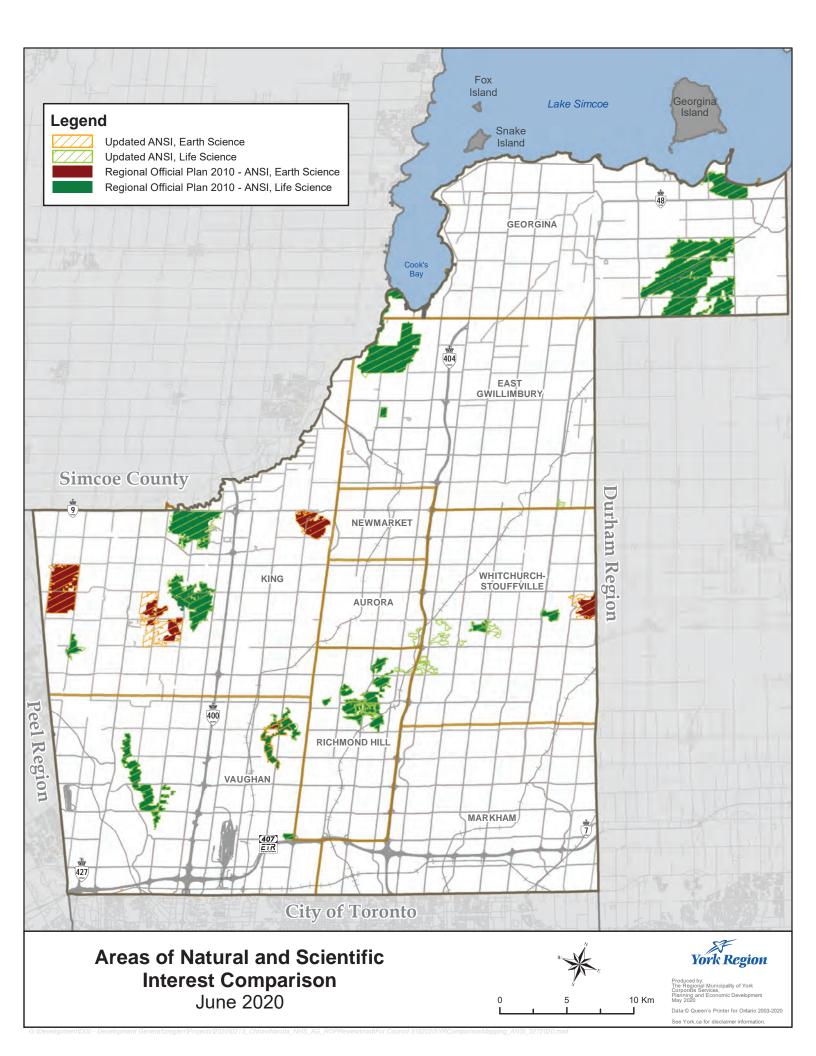
Types of Policies  Water Resource System	Brief Description of Provincial Policy Change  Clearer direction and strengthened language to identify a water resource system to protect key hydrologic features, key hydrologic areas, and their functions	Provincial Policy Documents GP PPS GBP	Policy Region Official Plan  GP Update mapping, revise policy language and definitions	
Key Hydrologic Areas	Key Hydrologic areas are added as a component of the Water Resource System with policies to protect and, where possible, improve or restore hydrologic functions in these areas.  Key hydrologic areas include: • Significant groundwater recharge areas • Highly vulnerable aquifers • Significant surface water contribution areas	GP GBP	Review and update significant groundwater recharge areas (Map 13) and highly vulnerable aquifers (Map 14) maps to reflect best available information including source protection plans  Significant surface water contribution areas to be identified and appropriate policies included in the official plan	
Watershed Planning	Requirement to partner with stakeholders to undertake watershed planning  Evaluate impacts of climate change to water resources system at the watershed level	GP GBP Have existing plans. The Region PPS will continue to partner with the Lake Simcoe Region Conservation and Toronto and Region Conservation Authorities to fill watershed planning gaps beyond the MCR		
Subwatershed Plans	Requirement to develop subwatershed plan or equivalent for large-scale development in designated greenfield areas (including secondary plans)	GP	Current Official Plan policies are consistent with updated provincial policy. Official Plan language will be updated to improve consistency and alignment	

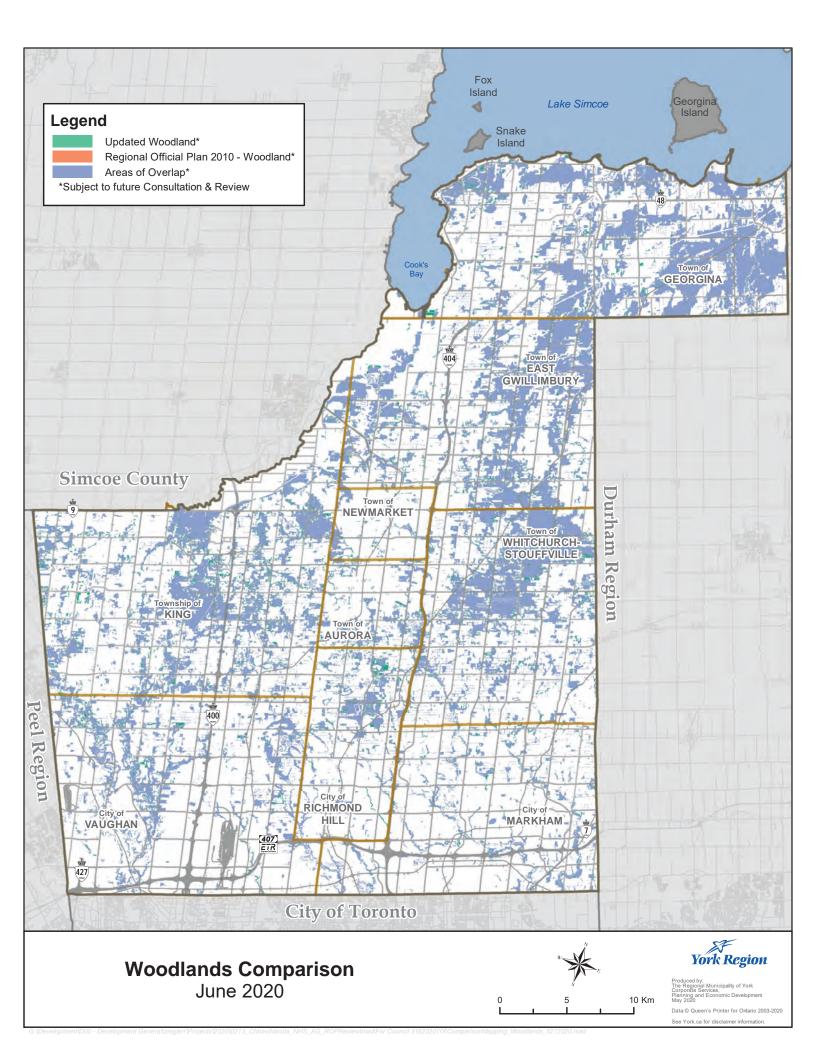
Types of Policies	Brief Description of Provincial Policy Change	Provincial Proposed Actions in York Policy Region Official Plan Documents	
Urban River Valley Areas	recognize new urban river valley the Official Plan t		New policy section to be added to the Official Plan to implement the designation and associated policies
Natural Heritage System outside settlement area boundary			Refine and update mapping in ROP
Natural Heritage System/Features/Areas within settlement area boundary	Clearer direction and strengthened language to identify a Natural Heritage System and protect natural heritage features and areas  (Specific policy requirement to protect natural heritage features and areas within settlement area boundaries)	GP PPS	Update mapping to reflect approved local systems and updated information
New development or site alterations	<ul> <li>Permitted within the Natural Heritage System, subject to criteria.</li> <li>Generally prohibited on key natural heritage and key hydrologic features and their vegetative protective zones with some exceptions such as forest, fish and wildlife management; conservation and flood or erosion control projects; infrastructure; aggregate; recreational, shoreline; agriculture; and existing uses, subject to criteria</li> <li>May be permitted on lands adjacent to key natural heritage and key hydrologic features and will require a natural heritage evaluation or hydrologic evaluation.</li> </ul>	GP GBP	Current Official Plan policies conform to updated provincial policies. Official Plan language will be updated to improve consistency and alignment

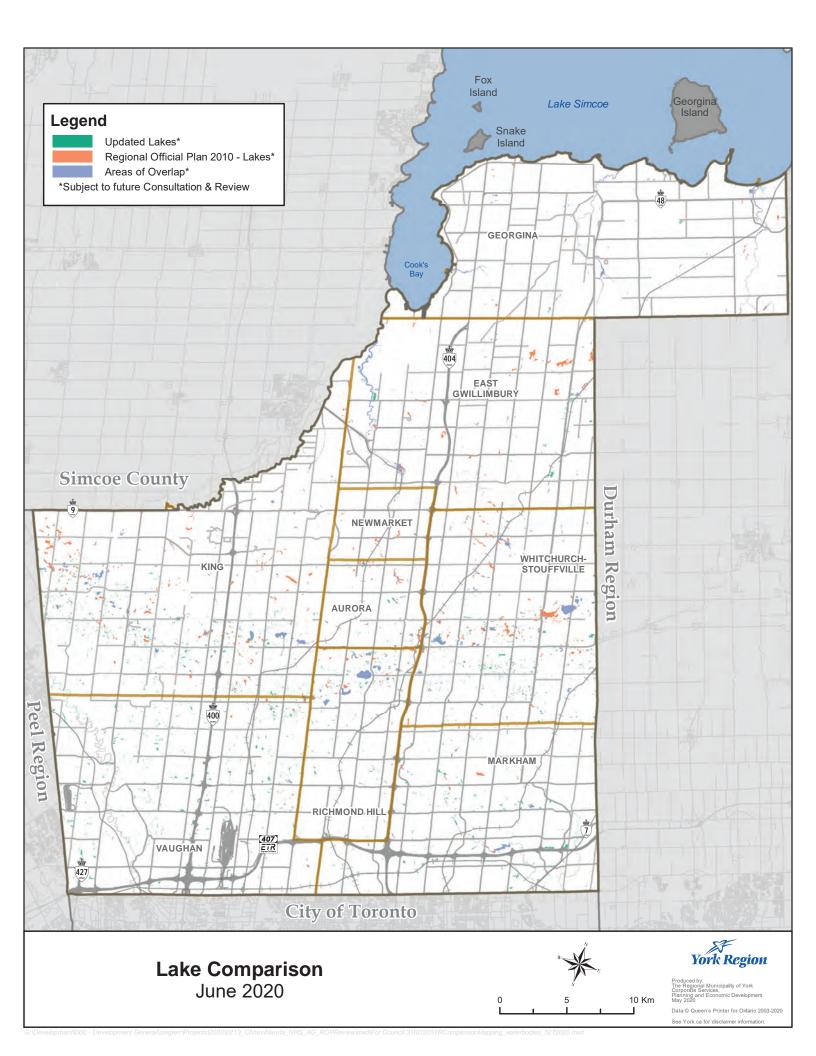
Types of Policies	Policies Brief Description of Provincial Provinci Policy Change Policy Documer		Proposed Actions in York Region Official Plan	
	May be permitted within a key hydrologic area where it is demonstrated that the hydrologic functions, including the quality and quantity of water will be protected and, where possible, enhanced or restored.			
Definitions	New and Updated: <ul> <li>Endangered species</li> <li>Habitat of Endangered Species and Threatened Species</li> <li>Highly vulnerable aquifers</li> <li>Key Hydrologic Areas</li> <li>Significant Groundwater Recharge Area</li> <li>Significant Surface Water Contribution Areas</li> <li>Subwatershed Plan</li> <li>Water Resource System</li> </ul>	GP GBP PPS ORMCP	Update definitions in the Official Plan to improve consistency and alignment with provincial policy	

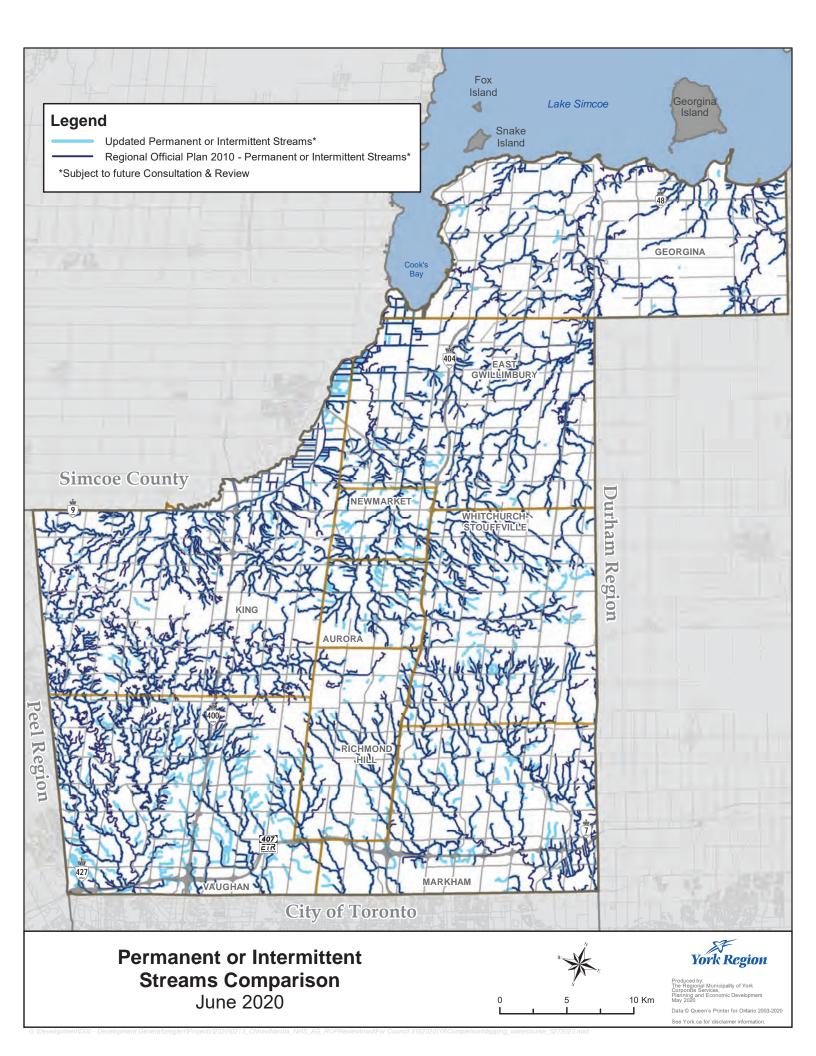
#### **ATTACHMENT 2**

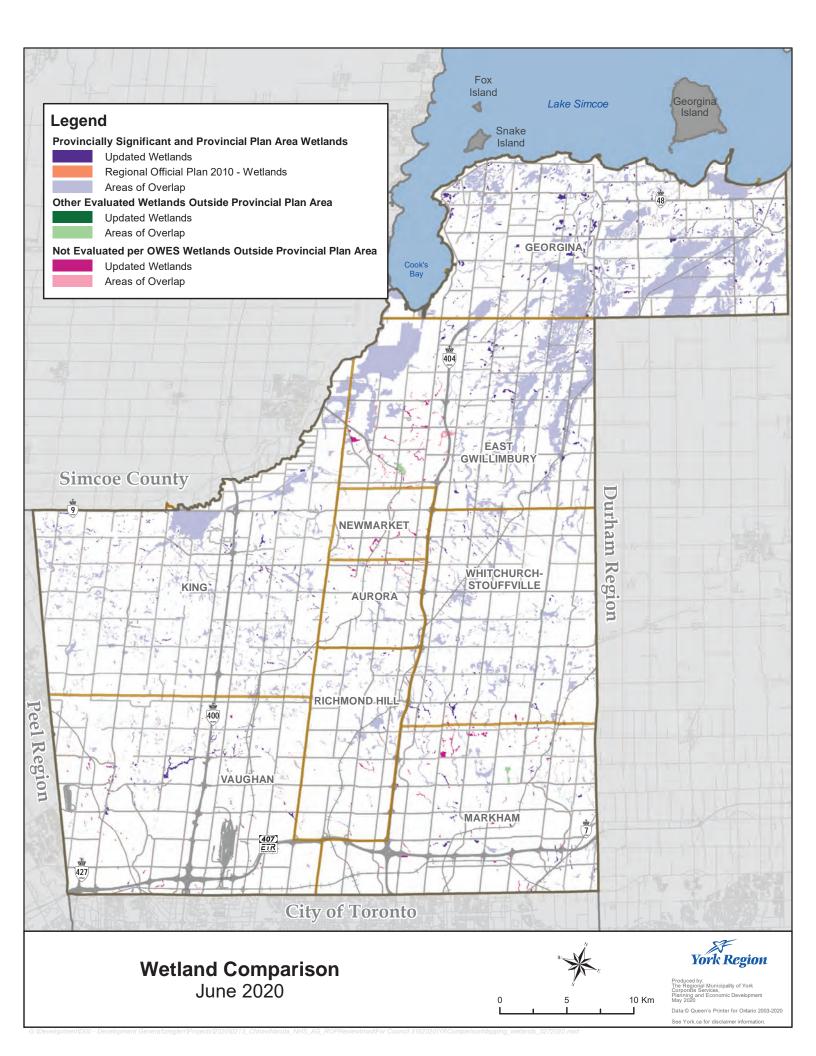


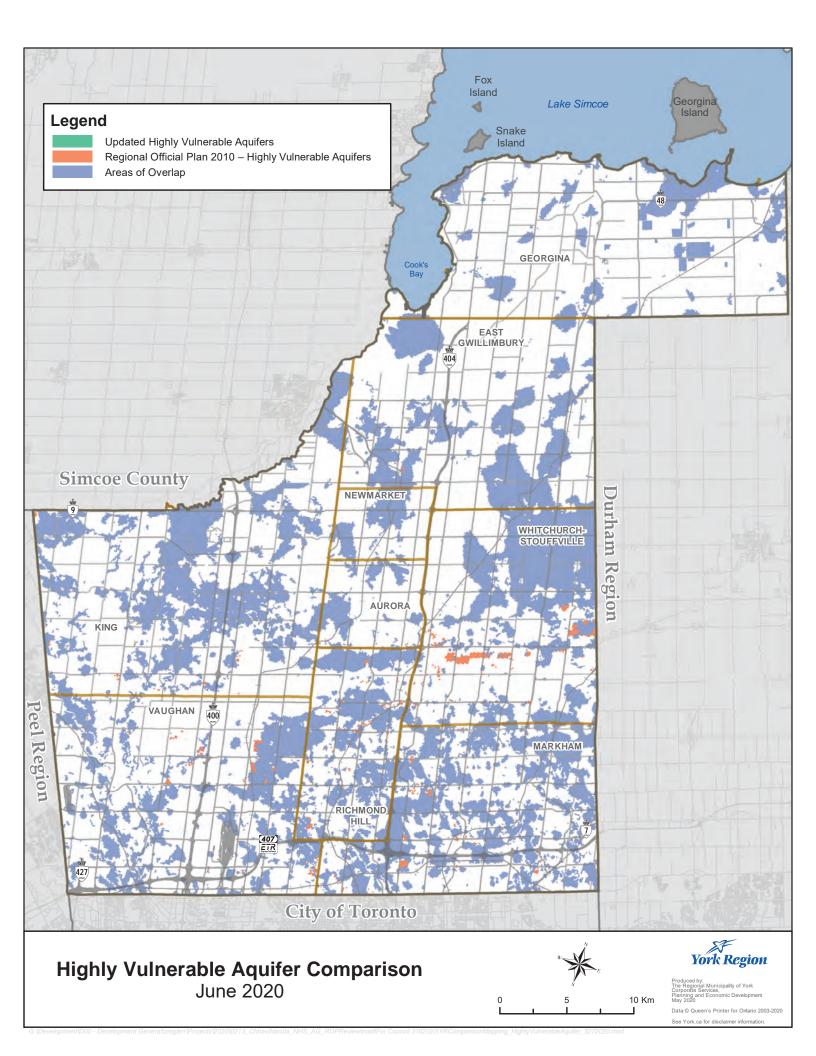


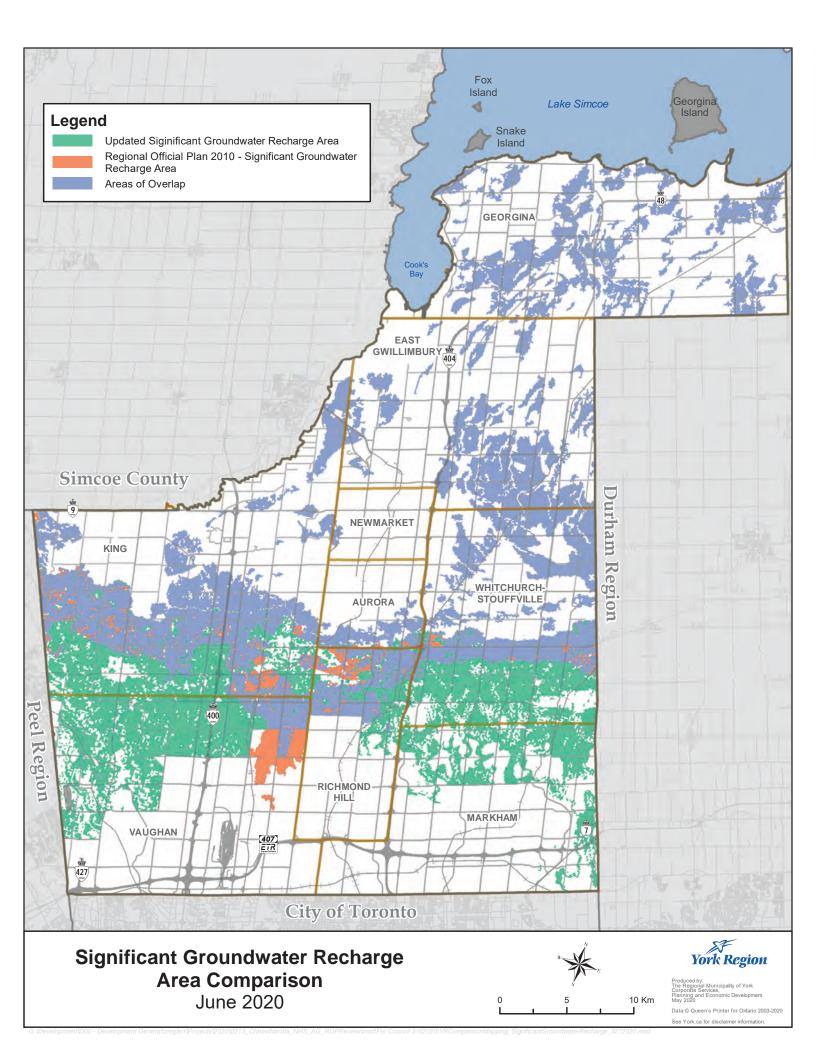












### Preliminary Mapping Analysis for Regional Natural Heritage and Water Resources

ROP Map Feature or Area	Data Source	Mapped in 2010 ROP (Y/N)	To be included in new ROP (Y/N)	Percent Change (Current ROP vs Updated Data)
Provincial Natural Heritage System for the Growth Plan	Provincial	N	Y	N/A
ANSI - Areas of Natural and Scientific Interest (Earth and Life Science)	Provincial	Υ	Y	13% (+ 1,149 ha)
Woodland*	Regional and Provincial	Y	Y	N/A**
Waterbody* (i.e. lakes, ponds)	Conservation Authority	Υ	Υ	-10% (-194 ha)
Watercourse* (Permanent or Intermittent Stream)	Conservation Authority	Υ	Y	22% (+512 km)
Wetland	Provincial	Υ	Υ	7% (+1,070 ha)
HVA – Highly Vulnerable Aquifer	Conservation Authority	Υ	Y	-2% (-891 ha)
SGRA – Significant Groundwater Recharge Area	Conservation Authority	Y	Y	53% (+21,304 km)

<sup>\*</sup>woodlands, watercourses and waterbody mapping are for information purposes only, Official Plan policies prevail

<sup>\*\*</sup> Regional information for woodlands is currently being updated and is under review