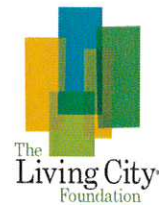


c2  
cw(ws)  
April 8/15  
Item 1



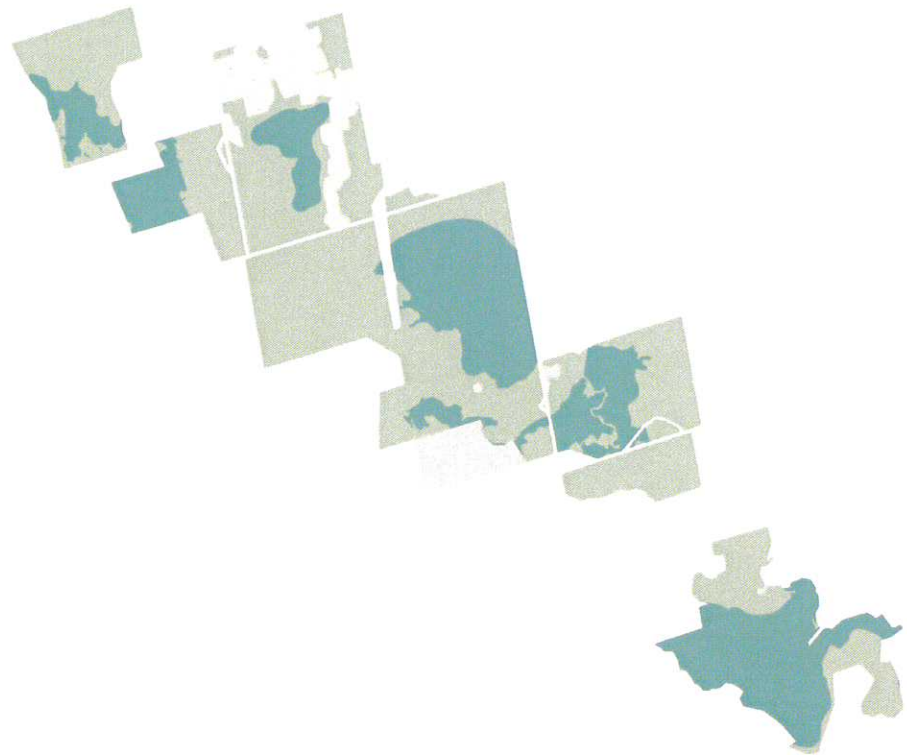
# Nashville Conservation Reserve Management Plan 2015



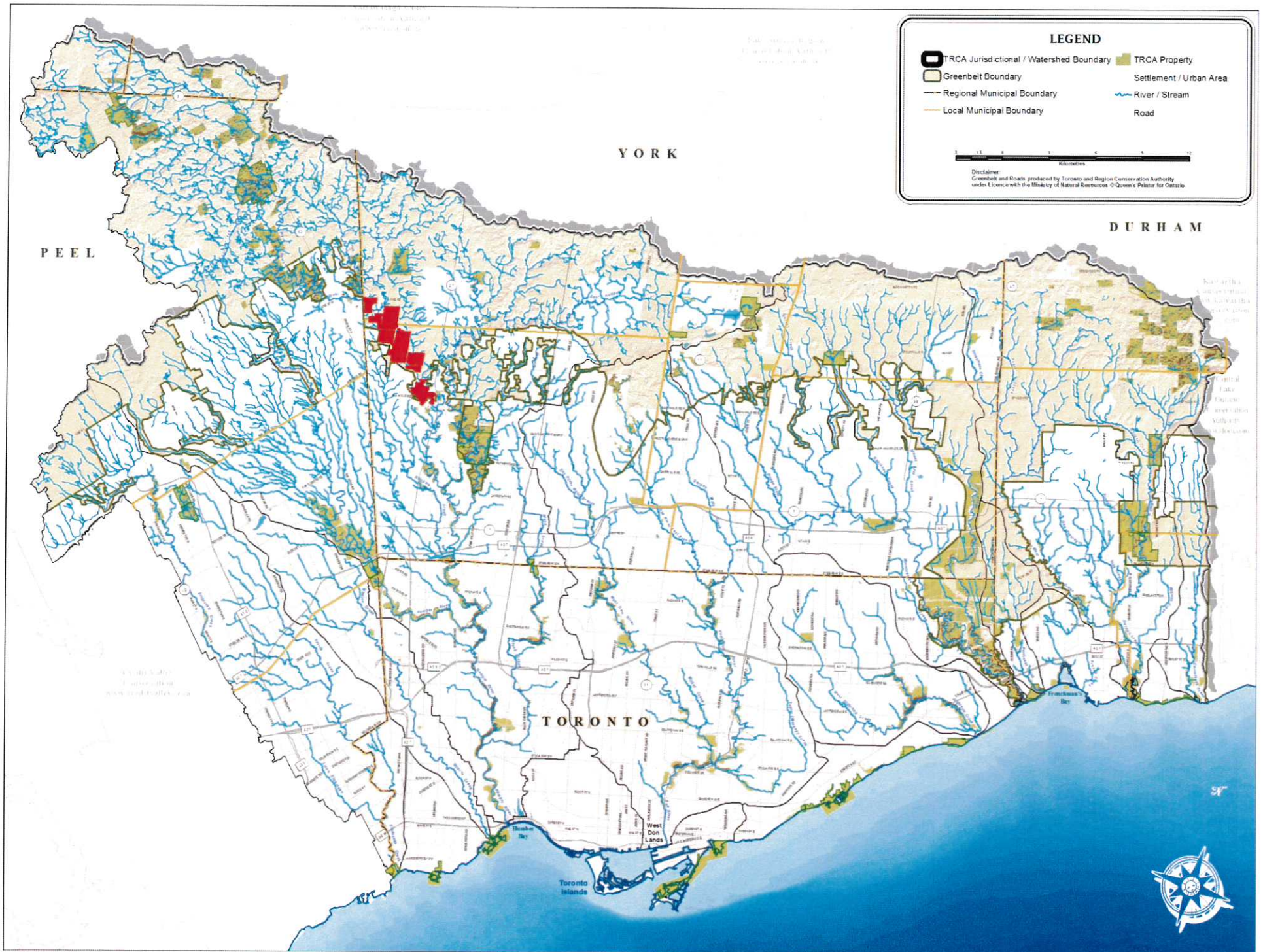


## Nashville Conservation Reserve

1. Property Introduction
2. Management Plan Process
  - a) Deliverables & Timeline
3. Management Plan Components
  - a) Vision, Goals and Objectives
  - b) Recommendations and Actions
  - c) Management Zones
  - d) Restoration Work
  - e) Trail Plan
  - f) Land Acquisitions
  - g) Updated Property Name
  - h) Rationale
4. Implementation, Budget and Endorsement





























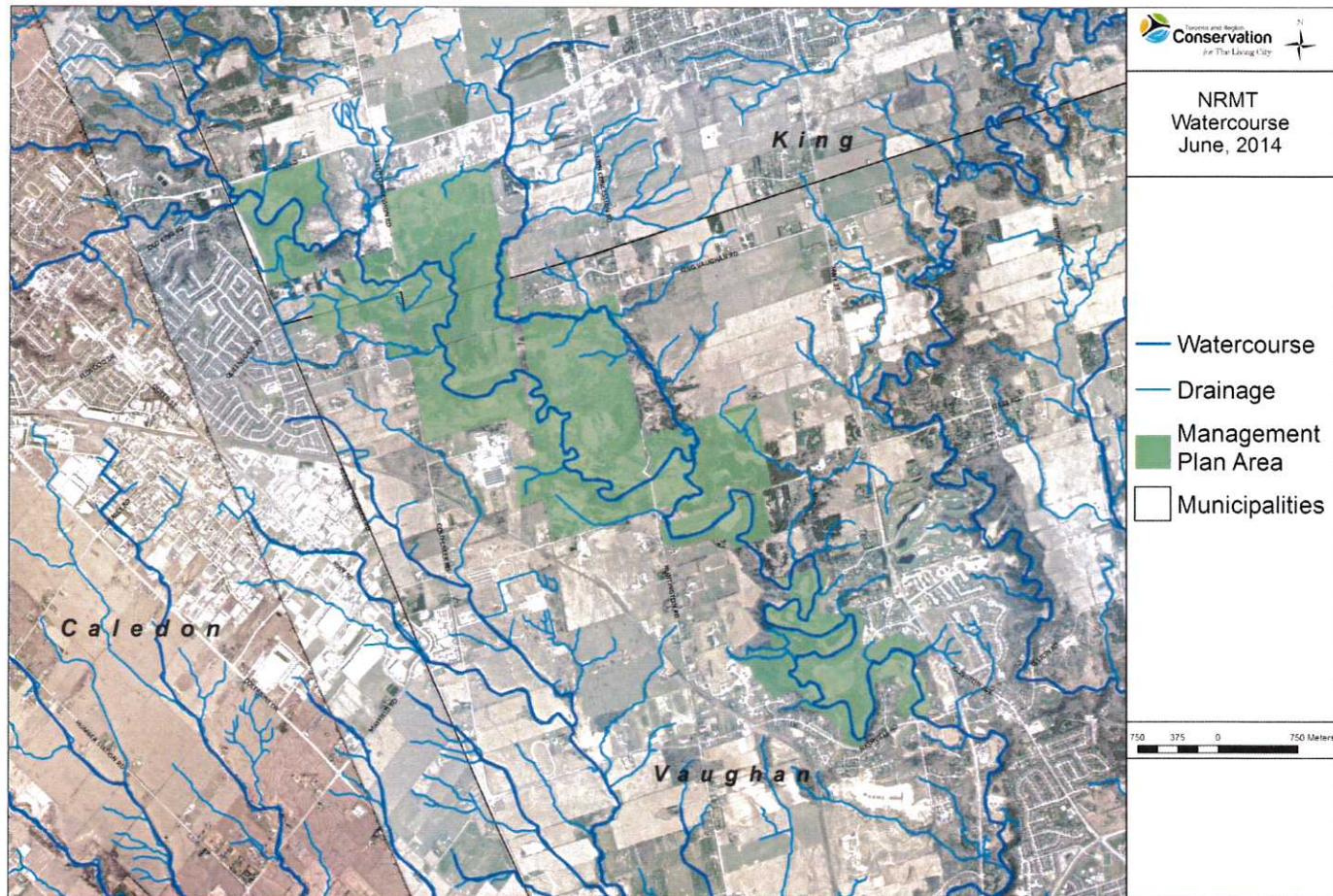


## NCR Natural Heritage

**Habitat for  
Reside Dace  
(endangered fish  
species under  
the Endangered  
Species Act)**

**Significant  
groundwater  
contribution to  
Humber River**

**Identified as a  
high priority area  
for riparian zone  
rehabilitation.**





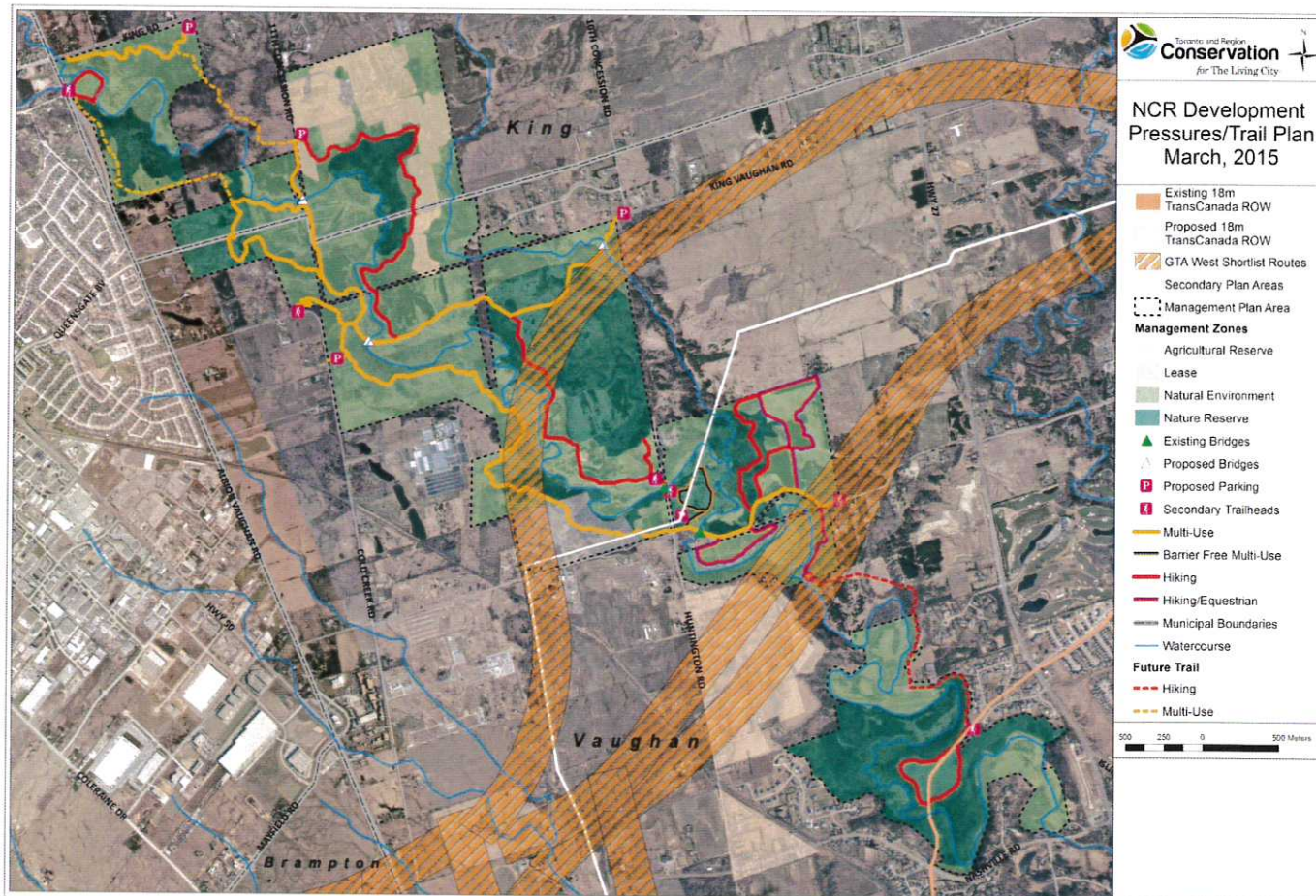






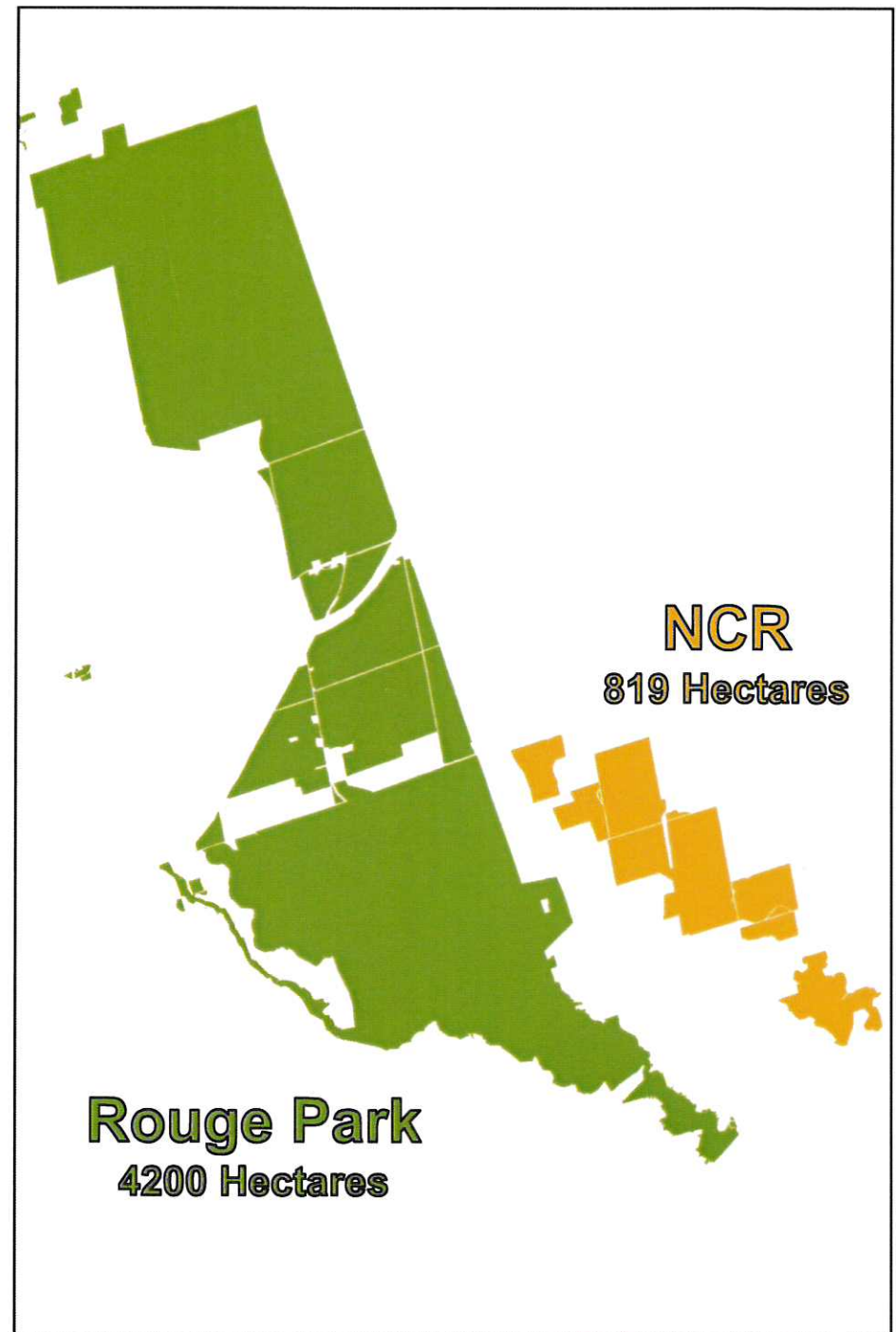
## Development Pressures on NCR

- GTA West Corridor
- 427 Extension
- TransCanada Pipelines
- Vaughan Secondary Plans
- Residential Subdivisions
- Greenbelt Review





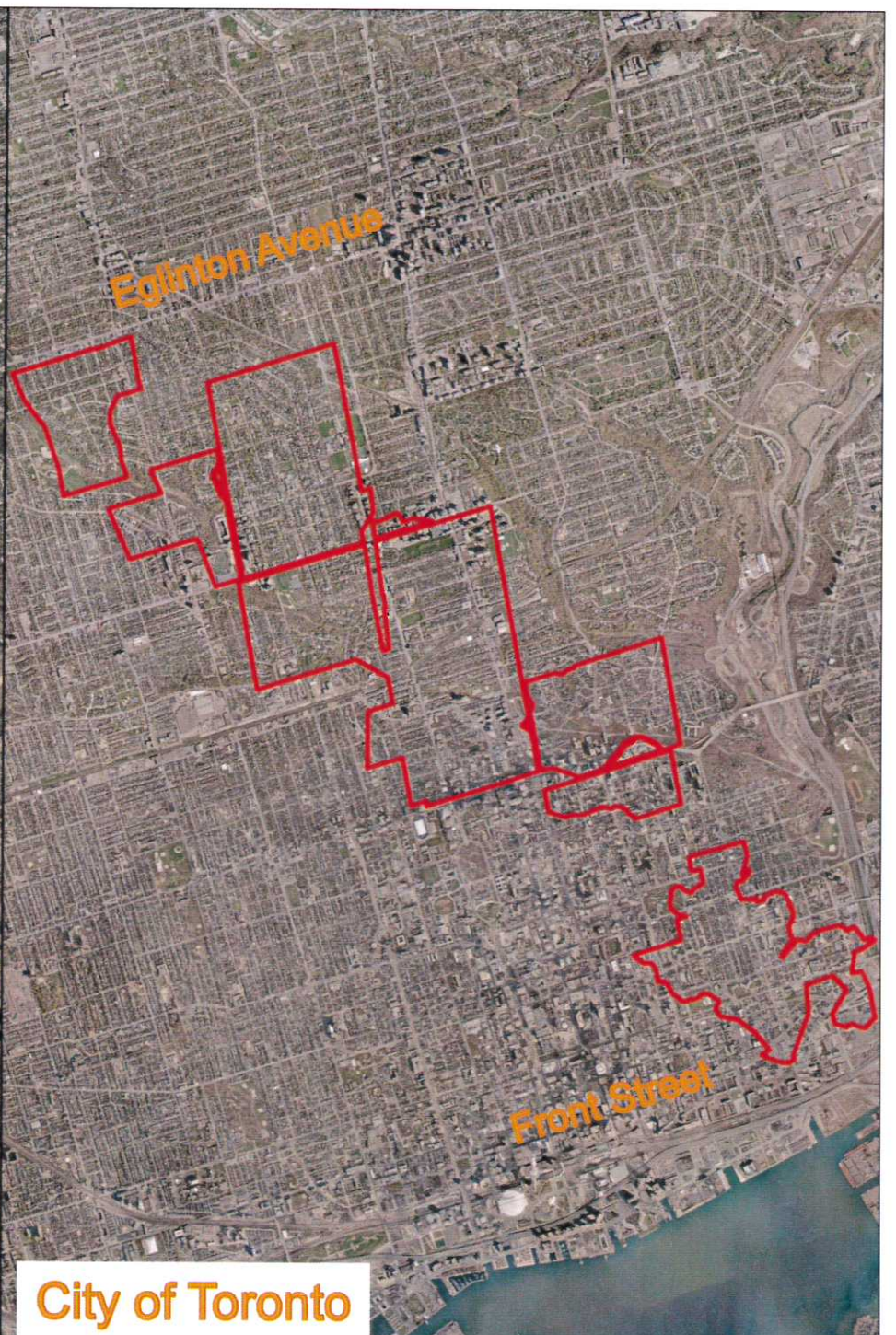
- **819 Hectares**
- **616ha within City of Vaughan**
  - 2.26% of total city area
- **203ha within Township of King**
  - 0.61% of total township area
- **Between Bolton and Kleinburg**
- **40km of unauthorized trails**
- **25km trade area population:**
  - 2,736,519







City of Vaughan



City of Toronto





## Management Plan Process

Planning Phase	Deliverable & Timelines
Phase One	Background Report, Advisory Committee(s) <i>(April 2012 – December 2012)</i> - <b>COMPLETED</b>
Phase Two	Management Zones & Recommendations <i>(December 2012 – October 2013)</i> - <b>COMPLETED</b>
Phase Three	Trail Plan, Management Plan Document, Budget <i>(October 2013 – July 2014)</i> – <b>COMPLETED</b>





## Vision, Goals and Objectives

### *Vision:*

*A vital and dynamic part of the connected greenspace in the upper Humber River Watershed, the Nashville Conservation Reserve boasts extensive, high quality habitat that supports a diverse suite of species. It is valued by community members and visitors alike for its unique cultural heritage resources, spectacular trails, and agricultural features.*

- 9 Goals
- 34 Objectives







## Recommendations and Actions

### 46 Actions

Measurable and typically items that are in the budget and implementation plan.

### 79 Recommendations

Provide instruction and direction on how to accomplish the goals and objectives of plan.







## Management Zones

**Total: 819ha**

**Natural Env.**

457 Hectares  
(55.8%)

**Nature Reserve**

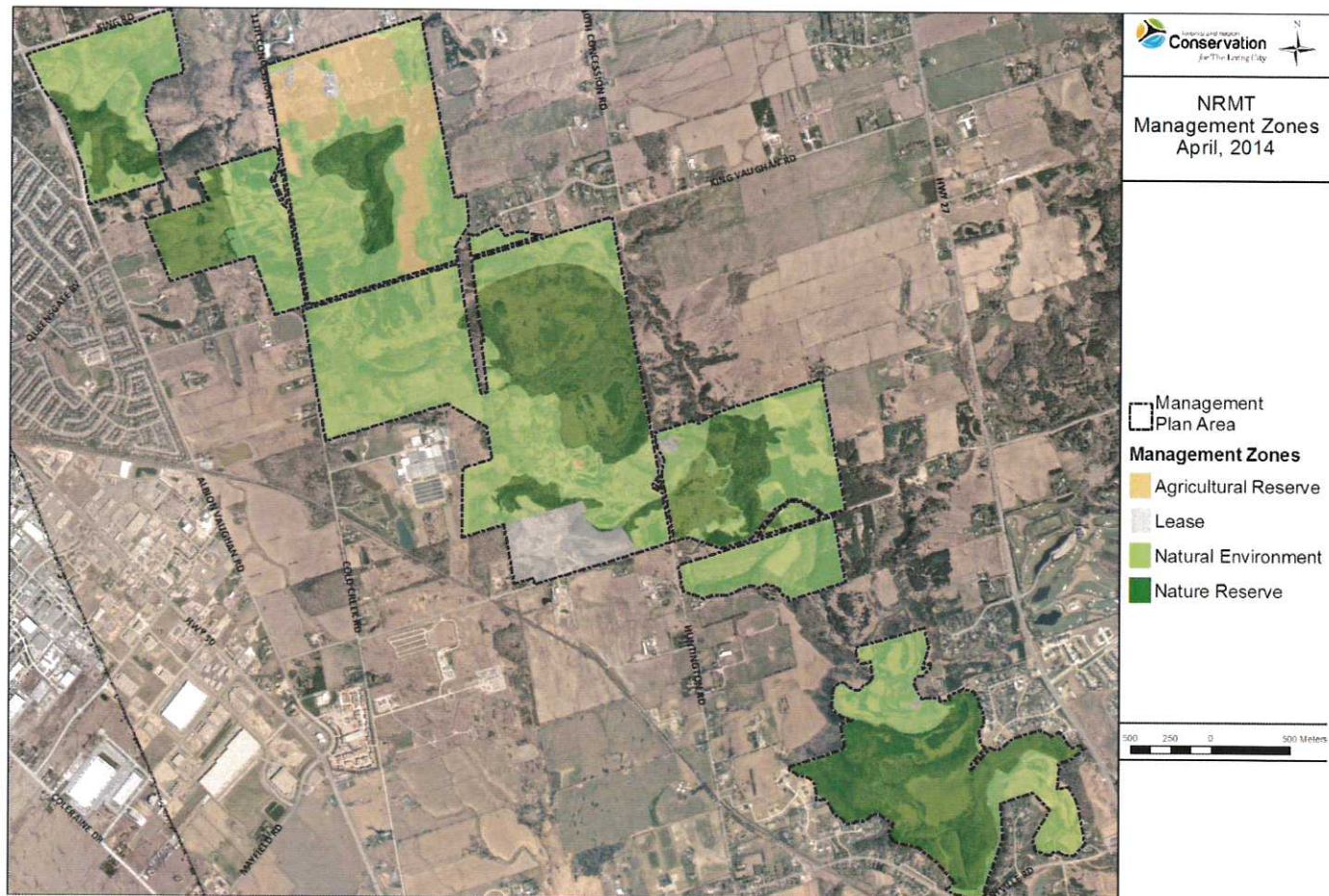
278 Hectares  
(34%)

**Ag. Reserve**

55 Hectares  
(6.7%)

**Lease**

29 Hectares  
(3.5%)





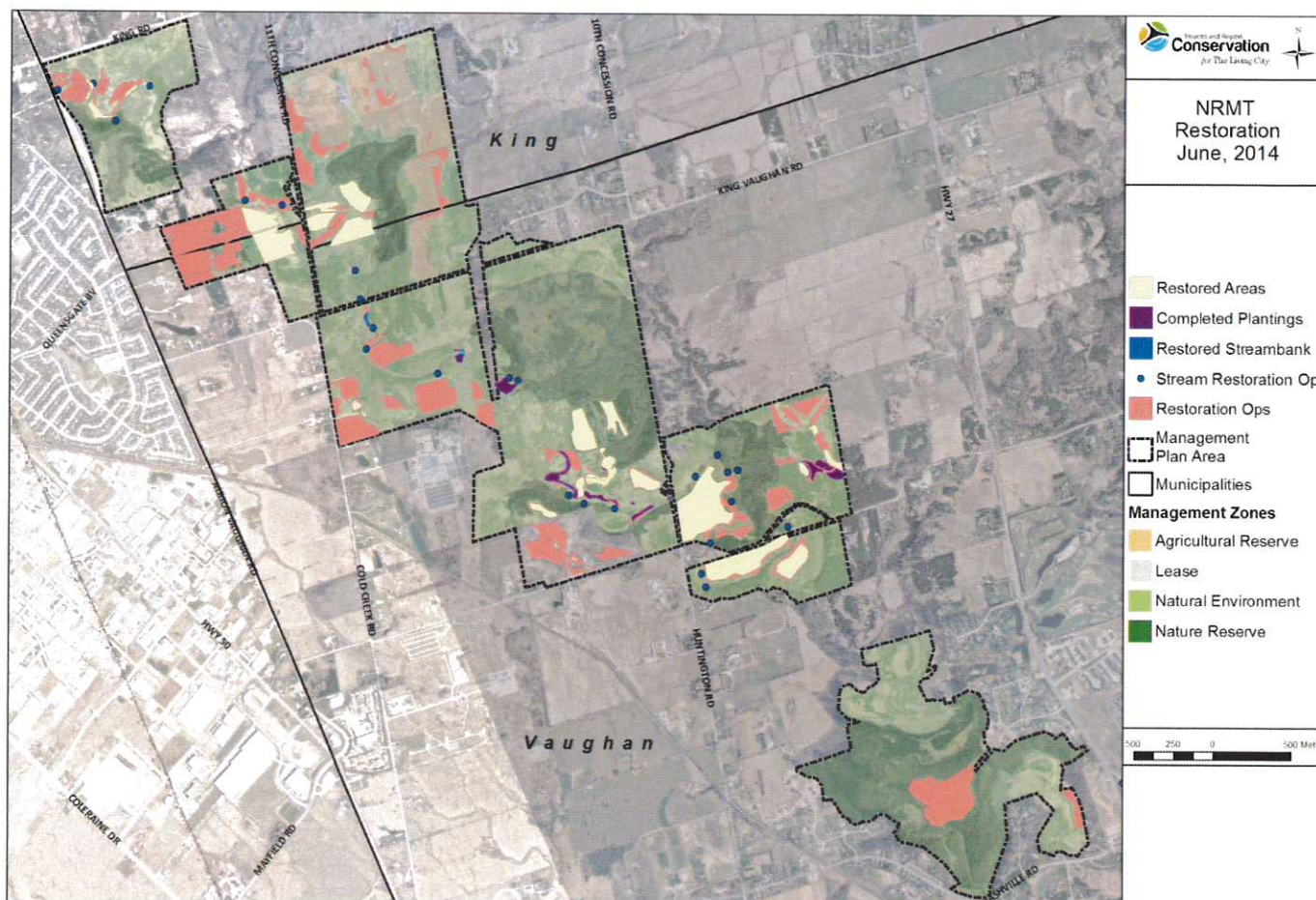


## Restored Areas/Potential Restoration Work

### Restoration Zone

53 Hectares

(only includes areas that have been restored)

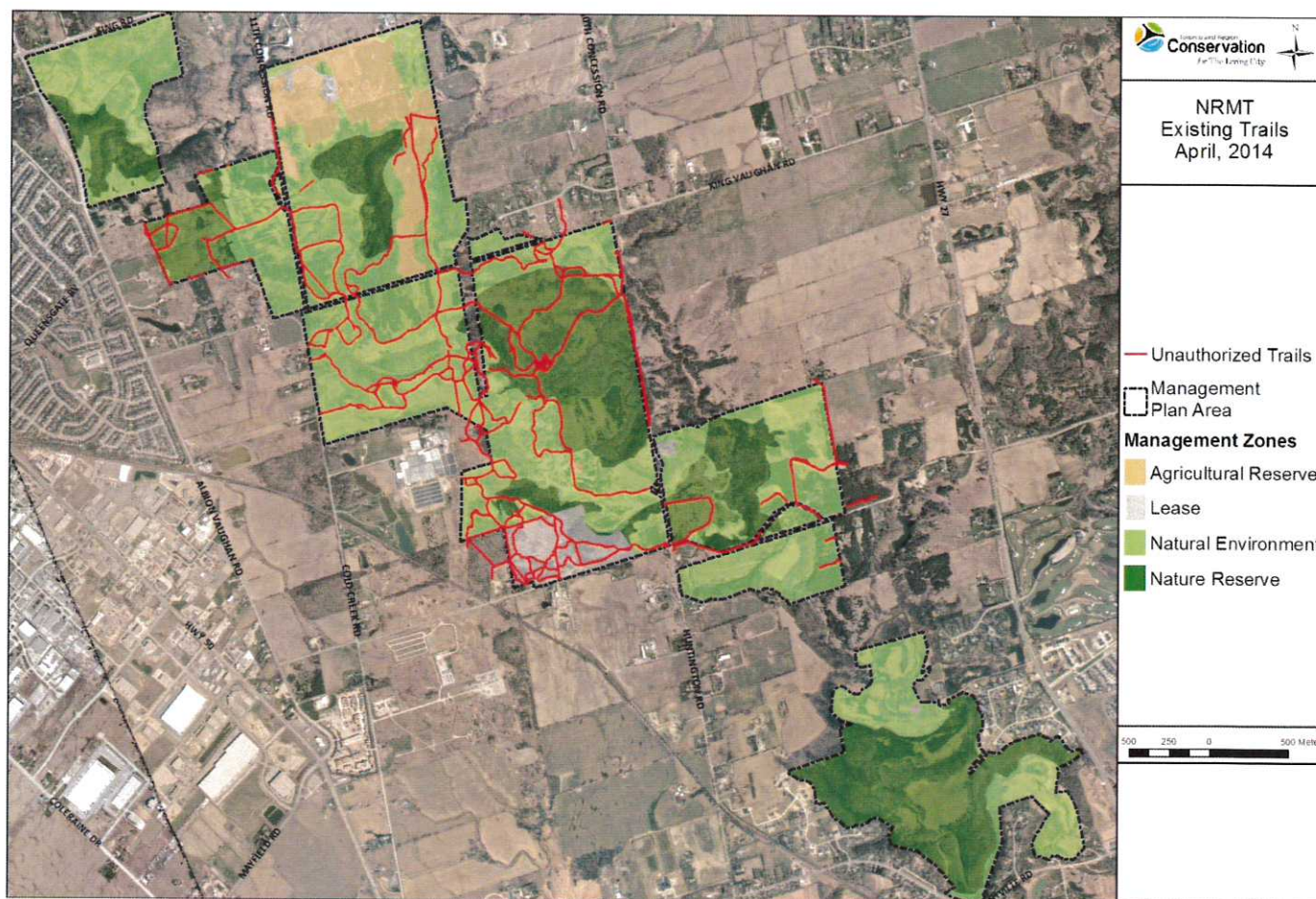






## Unauthorized Trails

Unauthorized  
Trails  
40km







## Trail Plan

### Multi-Use Trail

11.5km  
(+1.0km accessible trail)

### Hiking Trail

12.4km

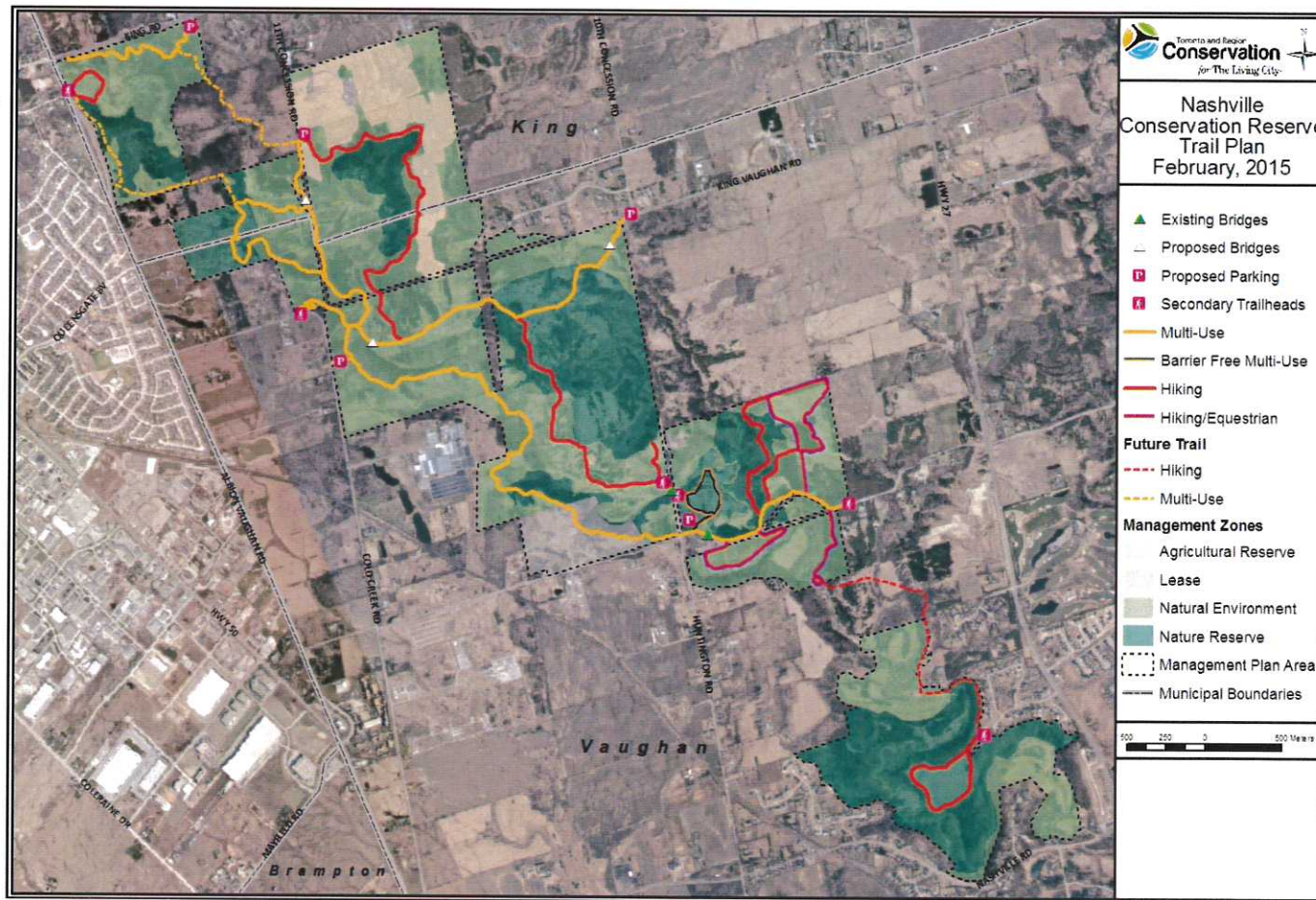
### Hiking/Equestrian Trail

3.5km (+1.3km shared with multi-use)

### Accessible Trail

1.0km

Future Trails  
(as white lines)







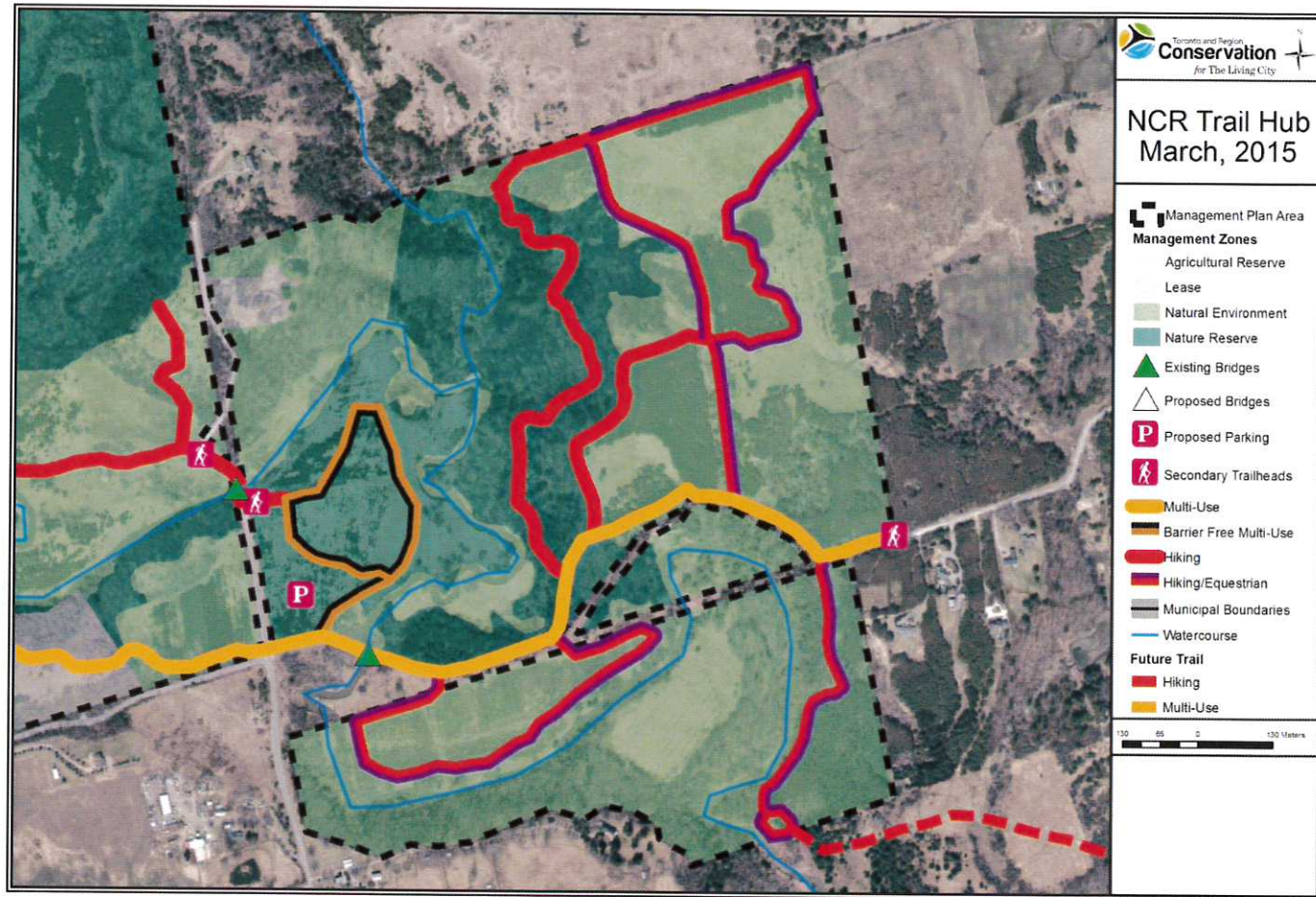
Trail Plan Feature	Deliverable
<b>NCR Trails</b>	<ul style="list-style-type: none"><li>• Trail Plan <b>25km</b></li><li>• Trail Hub Area</li><li>• Trail Closures</li><li>• Post-markers</li><li>• Interpretive signage</li><li>• Fencing</li><li>• Gates</li></ul>
<b>Trailheads</b>	<ul style="list-style-type: none"><li>• 5 primary trailheads; parking lots and kiosk</li><li>• 4 secondary trailheads; access point and site map</li></ul>
<b>River Crossings</b>	<ul style="list-style-type: none"><li>• 3 new river crossings</li><li>• Utilize 2 existing crossings</li></ul>
<b>Parking Lots</b>	<ul style="list-style-type: none"><li>• 5 newly built parking areas (20-30 cars each)</li></ul>



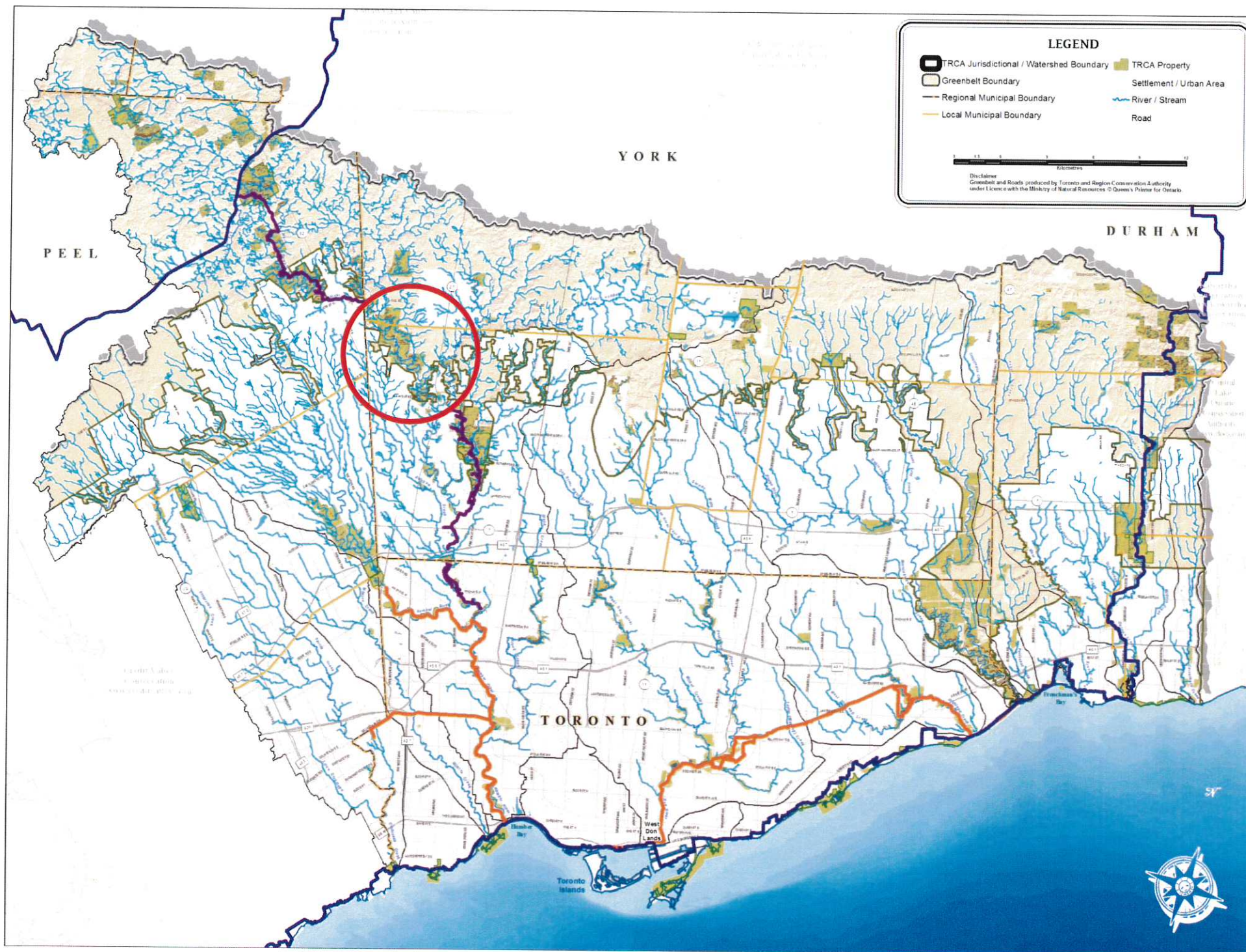


## Trail Hub Area

- Starting point for each trail.
- Focal entry point with parking area and signage.
- Accessible trail located at this point.
- Trails increase in difficulty the further you walk/bike from this area.











- 
- The map displays the King and Vaughan municipalities, with a focus on the area around the Vaughan Road and King Road intersection. The map shows various land use zones, including Agricultural Reserve (yellow), Lease (light green), Natural Environment (medium green), and Nature Reserve (dark green). Two red-outlined areas indicate Land Acquisition Interest Areas. A dashed line outlines the Management Plan Area. The map includes a scale bar (0 to 500 Meters) and a north arrow.





## Public Garden/Near-Urban Agriculture

- Promotes social equity and food security.
- Reduces our ecological footprint
- Provides a positive influence on adjacent natural heritage





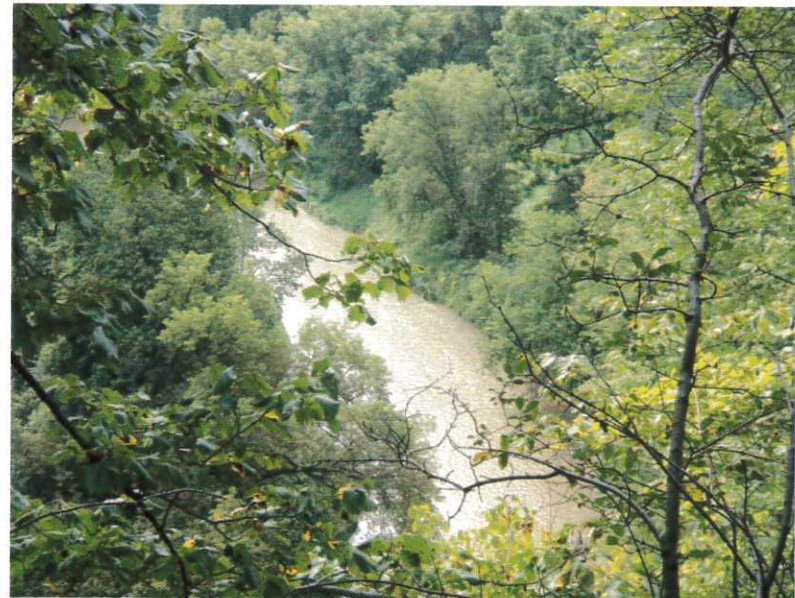


## Updated Property Name

### **Nashville Resource Management Tract**

#### **Nashville Conservation Reserve**

- Clean and fresh name
- Easy to understand purpose of property
- Reflects current and future management
- Improved branding/recognition







## Rationale

### NCR Property

- Reduces encroachments
- Increases protection of sensitive areas
- Directs management activities
- Addresses future public use demands
- Mitigates environmental impacts of development

### Municipal

- Pedestrian and Bicycle Master Plan
- Green Directions Vaughan
- Enhanced connection and protection of natural systems

### TRCA

- 10-Year Strategic Plan
- The Living City Vision
- Humber River Watershed Plan
- Terrestrial Natural Heritage System Strategy

### Regional

- Pedestrian and Cycling Master Plan
- Vision 2026: Strategic Plan
- Sustainability Strategy: Towards a Sustainable Region





## NCR Budget

- Trail plan
- 3 river crossings
- Primary and secondary trailheads
- Site securement and protection work
- Near-urban agriculture/public gardens
- 5 parking areas



Time Period	Cost
Immediate (2014-2015)	\$63,000
Phase 1 (2016-2017)	\$835,000 (\$417,500 per year)
Phase 2 (2018-2022)	\$1,627,000 (\$325,400 per year)
Phase 3 (pending)	\$272,000
Operational (1-7yrs)	\$266,000 (\$38,000 per year)
Subtotal	\$3,063,000
10% Contingency	\$306,300
Total	<b>\$3,369,300.00</b>





## NCR Budget by Category

Project Category	Item	Anticipated Cost
<b>ECOLOGICAL</b>		
<b>Natural Heritage</b>	Invasive species management and monitoring	\$ 81,500.00
<b>Restoration</b>	Erosion site remediation, Planting maintenance, near-urban agriculture/public gardens	\$ 65,000.00
<b>CULTURAL</b>		
<b>Archaeology</b>	Archaeological surveys and reports	\$ 50,000.00
<b>SOCIAL</b>		
<b>Trail Development</b>	Primary trail construction, Secondary trail construction, Property line surveys, Trailhead construction, Lookouts, River Crossings (3)	\$ 2,155,000.00
<b>Parking</b>	Parking lot construction	\$ 390,000.00
<b>Site Securement</b>	Property auditing, Fencing, Access gates, Encroachment removal, Homeowner information package, Property identification signage	\$ 126,000.00
<b>Trail Management</b>	Decommission informal trails, Hazard removal, Trail rerouting	\$ 75,000.00
<b>Signage</b>	Trailhead, Wayfinding, Post markers, Regulatory, Interpretive	\$ 57,500.00
<b>Community Engagement</b>	Stewardship committee, Trail captain program, Community newsletter, Trail map and guide	\$ 63,000.00
	Contingency (10%)	\$306,300.00
	<b>TOTAL</b>	<b>\$3,369,300.00</b>





## Partner Endorsement

**King Township** ✓

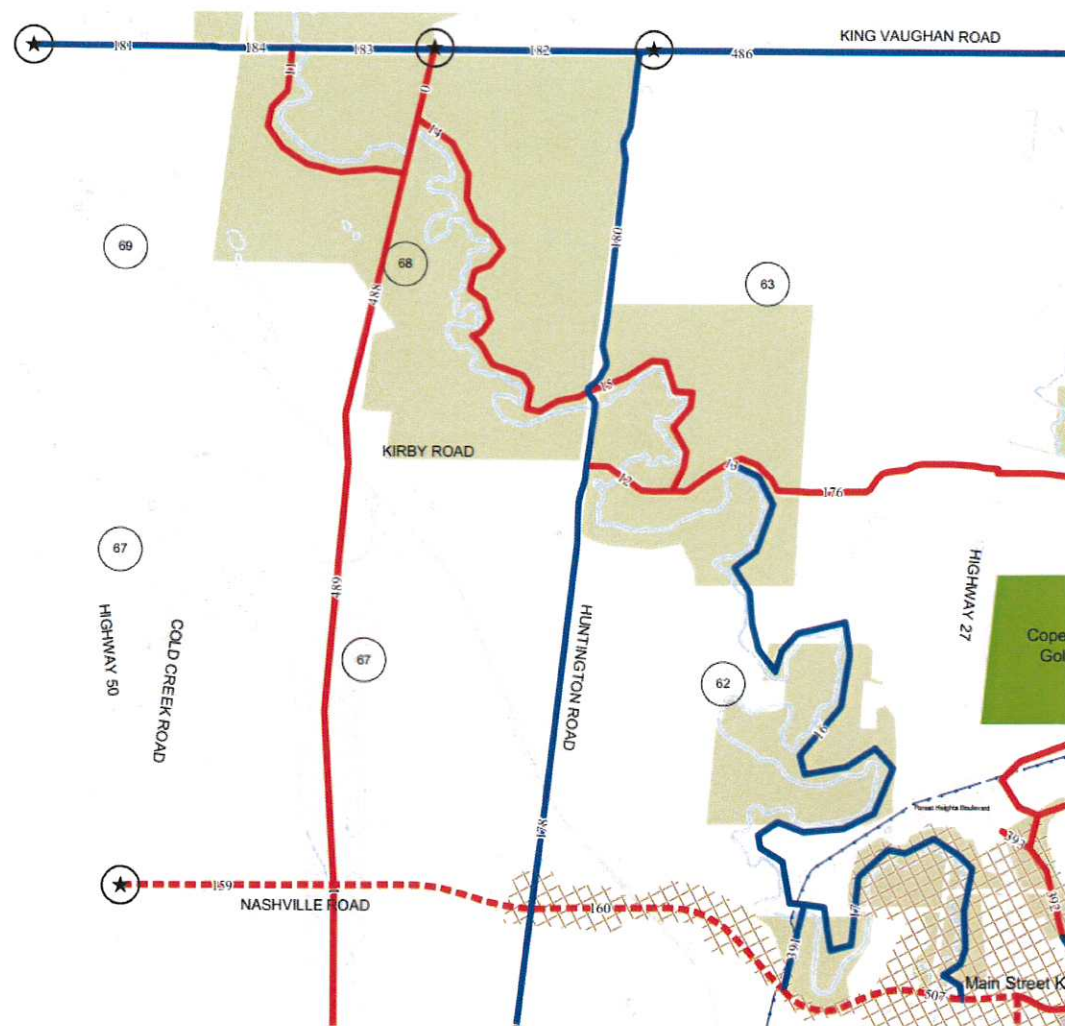
*Approved January 12, 2015*

**City of Vaughan**

*April 8, 2015*

**Region of York**

*May 14, 2015*







## Next Steps

### **Municipal Endorsement**

Fall/Winter 2014 – 2015

### **Implementation**

Spring 2015







## Questions?

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[www.trca.on.ca/nashville](http://www.trca.on.ca/nashville)

