

Preliminary



Toronto and Region  
**Conservation**  
Authority

**2026**  
**Project Summaries and Forecast**  
Durham Region

June 2025

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Water Risk Management  
Regional Biodiversity  
Greenspace Securement and Management  
Tourism and Recreation  
Planning and Development  
Education and Outreach  
Sustainable Communities  
Corporate Services

### **Category Two**

Watershed Studies and Strategies  
Water Risk Management  
Regional Biodiversity  
Greenspace Securement and Management  
Tourism and Recreation  
Planning and Development  
Education and Outreach  
Sustainable Communities  
Corporate Services

## Executive Summary

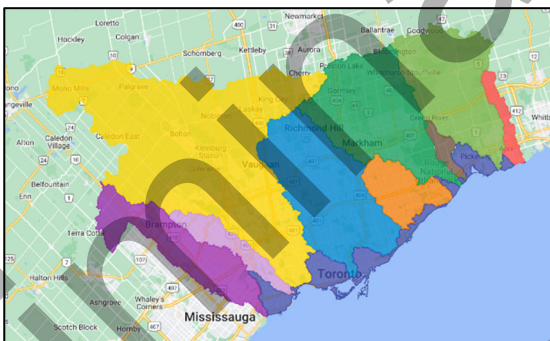
Since 1957, Toronto and Region Conservation Authority (TRCA), as enabled through the provincial *Conservation Authorities Act*, has taken action to enhance our region's natural environment and protect our land, water and communities from the impacts of flooding and increasingly extreme weather events — Ontario's leading cause of public emergencies.

As the region's first line of defence against natural hazards, TRCA maintains vital infrastructure and provides programs and services that promote public health and safety, protecting people and property.

TRCA mobilizes a science-based approach to provide sound policy advice, leveraging its role in the broader public sector to achieve collective impacts within our communities and across all levels of government.

TRCA's jurisdiction includes nine watersheds and their Lake Ontario shorelines:

- Carruthers Creek
- Don River
- Duffins Creek
- Etobicoke Creek
- Highland Creek
- Humber River
- Mimico Creek
- Petticoat Creek
- Rouge River



TRCA's jurisdiction spans the following five (5) upper-tier, one (1) single-tier, and 15 lower-tier municipalities, representing almost five million people (approximately 10% of Canada's population):

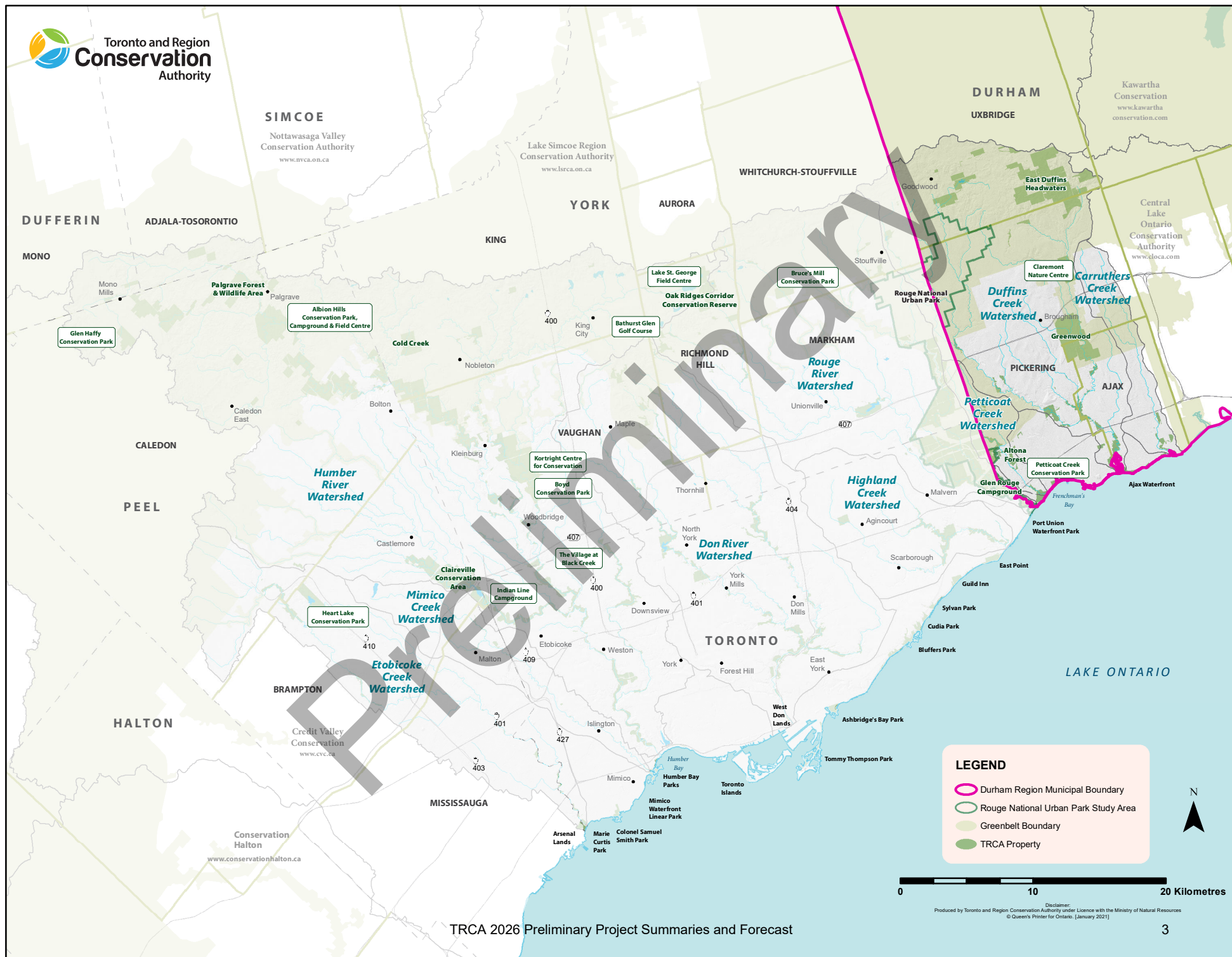
Upper/Single-Tier Municipality	Lower-Tier Municipality	% of Population Within TRCA Jurisdiction
Dufferin County	Mono (Town)	5
Durham Region	Ajax (Town)	86
Durham Region	Pickering (City)	95
Durham Region	Uxbridge (Township)	19
Peel Region	Brampton (City)	63
Peel Region	Caledon (Town)	55

Upper/Single-Tier Municipality	Lower-Tier Municipality	% of Population Within TRCA Jurisdiction
Peel Region	Mississauga (City)	33
Simcoe County	Adjala-Tosorontio (Township)	4
Toronto	Toronto (City)	100
York Region	Aurora (Town)	4
York Region	King (Township)	45
York Region	Markham (City)	100
York Region	Richmond Hill (City)	99
York Region	Vaughan (City)	100
York Region	Stouffville (Town)	43

TRCA's watershed and community-based work is broken into nine (9) service areas that enable responsive programming, high-quality services and inclusive governance. These service areas are:

- 1 Watershed Studies and Strategies
- 2 Water Risk Management
- 3 Regional Biodiversity
- 4 Greenspace Securement and Management
- 5 Tourism and Recreation
- 6 Planning and Development Review
- 7 Education and Outreach
- 8 Sustainable Communities
- 9 Corporate Services

Building on the above service area structure, as the role and mandate of conservation authorities in Ontario has continued to evolve, TRCA has adopted best practices related to financial transparency and improved collaboration with participating municipalities, including advanced performance measurement and reporting. TRCA is confident that through the framework of the *Conservation Authorities Act*, the services provided to partner municipalities and watershed communities continue to reflect key shared strategic priorities in building a sustainable city region now and into the future.



Toronto and Region Conservation Authority 2024 Budget Submission Region of Durham						
By Program	Category	Approved Budget 2025	Projected Budget			
			2026	2027	2028	2029
<b>General Benefitting Operating Levy</b>		<b>746,300</b>	<b>766,745</b>	<b>784,600</b>	<b>802,600</b>	<b>821,600</b>
TRCA Operating		685,000	704,145	722,000	740,000	759,000
Land Management Expenditures		41,000	41,000	41,000	41,000	41,000
One Time - Emerald Ash Borer - Durham Region		-				
One Time - National Disaster Mitigation Program		-				
<b>Special Benefitting Programs</b>						
Durham Region Consultation and Relations	2	52,000	53,000	54,000	55,000	56,000
Durham Stewardship Program	2	56,000	57,000	58,000	59,000	60,000
Climate Change - Research and Adaptation	1	15,000	15,000	15,000	15,000	16,000
Watershed Planning and Reporting Program	1	86,000	86,000	88,000	88,000	88,000
<b>Watershed Planning</b>		<b>209,000</b>	<b>211,000</b>	<b>215,000</b>	<b>217,000</b>	<b>220,000</b>
Regional Watershed Monitoring Program - Category 1	1	162,000	162,000	163,000	169,000	170,000
Regional Watershed Monitoring Program - Category 2	2	85,000	88,000	91,000	94,000	97,000
<b>Regional Watershed Monitoring</b>		<b>247,000</b>	<b>250,000</b>	<b>254,000</b>	<b>263,000</b>	<b>267,000</b>
Terrestrial Natural Heritage Implementation Program	2	39,000	39,000	40,000	41,000	42,000
Terrestrial Ecosystem Science Program	2	40,000	41,000	42,000	43,000	44,000
Terrestrial Natural Heritage Field Inventory Program	2	70,000	72,000	74,000	76,000	78,000
Watershed Planning and Reporting Technical Support	1	26,000	26,000	26,000	28,000	28,000
Watershed Science – Terrestrial Field Inventories	1	25,000	25,000	25,000	27,000	27,000
<b>Natural Heritage Mapping</b>		<b>200,000</b>	<b>203,000</b>	<b>207,000</b>	<b>215,000</b>	<b>219,000</b>
Flood Gauging (Flood Maintenance)	1	37,000	38,000	38,000	39,000	39,000
Flood Control Infrastructure Maintenance	1	24,000	25,000	26,000	27,000	28,000
<b>Floodworks &amp; Flood Warning System</b>		<b>61,000</b>	<b>63,000</b>	<b>64,000</b>	<b>66,000</b>	<b>67,000</b>
TRCA Flood Line Mapping Program	1	40,000	41,000	41,000	41,000	41,000
<b>Flood Vulnerable Areas Map Updates</b>		<b>40,000</b>	<b>41,000</b>	<b>41,000</b>	<b>41,000</b>	<b>41,000</b>
Aquatic Ecosystem Science Program	2	40,000	41,000	42,000	43,000	44,000
Duffins-Carruthers Fish Management Plan Implementation	2	39,000	39,000	40,000	41,000	42,000
<b>Aquatic Resources/Fisheries</b>		<b>79,000</b>	<b>80,000</b>	<b>82,000</b>	<b>84,000</b>	<b>86,000</b>
Durham Watershed Trails Program	1	48,000	48,000	48,000	48,000	48,000
Durham Waterfront Trails Program	2	32,000	32,000	32,000	32,000	32,000
Durham Trail Construction	2	22,000	22,000	22,000	22,000	22,000
Managing Hazard Trees Program	1	47,000	48,000	49,000	50,000	51,000
<b>Watershed Specific - Trails and Hazard Trees</b>		<b>149,000</b>	<b>150,000</b>	<b>151,000</b>	<b>152,000</b>	<b>153,000</b>
Frenchman's Bay Management Plan Program	2	14,000	14,000	16,000	18,000	20,000
Duffins Marsh Restoration Program	2	39,000	39,000	40,000	41,000	42,000
Bioregional Seed Crop Program	1	7,000	7,000	7,000	9,000	9,000
Seed Crop Collection	2	7,000	7,000	7,000	7,000	7,000
<b>Watershed Specific - Durham Waterfront</b>		<b>67,000</b>	<b>67,000</b>	<b>70,000</b>	<b>75,000</b>	<b>78,000</b>
<b>Sub-Total</b>		<b>1,052,000</b>	<b>1,065,000</b>	<b>1,084,000</b>	<b>1,113,000</b>	<b>1,131,000</b>
YPDT Groundwater Management	1	180,000	180,000	185,000	185,000	190,000
<b>Total net Program Costs</b>		<b>2,019,300</b>	<b>2,052,745</b>	<b>2,094,600</b>	<b>2,141,600</b>	<b>2,183,600</b>
<b>Special Funding Requests</b>						
Special - TRCA's New Administrative Office Building		42,371	42,371	42,371	42,371	42,371
<b>Total net Program Costs</b>		<b>2,061,671</b>	<b>2,095,116</b>	<b>2,136,971</b>	<b>2,183,971</b>	<b>2,225,971</b>

Regional Municipality of Durham Forecast

	Approved 2025	Projected 2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Watershed Studies and Strategies Total	101,000	101,000	103,000	103,000	104,000	107,000	107,000	108,000	108,000	113,000	113,000
Water Risk Management Total	361,000	364,000	370,000	375,000	381,000	384,000	392,000	394,000	400,000	407,000	408,000
Regional Biodiversity Total	587,000	595,000	607,000	627,000	639,000	651,000	670,000	682,000	695,000	711,000	724,000
Greenspace Securement and Management Total	17,900	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
Tourism and Recreation Total	101,000	101,000	103,000	105,000	107,000	109,000	111,000	113,000	116,000	119,000	122,000
Planning and Development Total	14,600	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900
Education and Outreach Total	-	-	-	-	-	-	-	-	-	-	-
Sustainable Communities Total	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,000	128,000
Corporate Services Total	86,171	87,071	87,071	87,071	87,071	87,071	87,071	87,071	87,071	87,071	87,071
Total Capital	1,376,671	1,390,971	1,414,971	1,443,971	1,466,971	1,488,971	1,519,971	1,538,971	1,562,971	1,595,971	1,614,971
Total Operating	685,000	704,145	722,000	740,000	762,000	785,000	809,000	833,000	858,000	884,000	911,000
TRCA TOTAL	2,061,671	2,095,116	2,136,971	2,183,971	2,228,971	2,273,971	2,328,971	2,371,971	2,420,971	2,479,971	2,525,971



Forecast - Service Area Format		Category	Account	2025 Approved	2026 Projected	2027	2028	2029	2030	2031	2032	2033	2034	2035
<b>Watershed Studies and Strategies</b>														
<b>1.1 Watershed Planning and Reporting</b>														
Watershed Planning and Reporting Program		Cat 1	120-02	86,000	86,000	88,000	88,000	88,000	91,000	91,000	91,000	91,000	94,000	94,000
	Sub-total 1.1			86,000	86,000	88,000	88,000	88,000	91,000	91,000	91,000	91,000	94,000	94,000
<b>1.2 Climate Science</b>														
Climate Change - Research and Adaptation		Cat 1	120-90	15,000	15,000	15,000	15,000	16,000	16,000	16,000	17,000	17,000	19,000	19,000
	Sub-total 1.2			15,000	15,000	15,000	15,000	16,000	16,000	16,000	17,000	17,000	19,000	19,000
<b>Watershed Studies and Strategies Total</b>				<b>101,000</b>	<b>101,000</b>	<b>103,000</b>	<b>103,000</b>	<b>104,000</b>	<b>107,000</b>	<b>107,000</b>	<b>108,000</b>	<b>108,000</b>	<b>113,000</b>	<b>113,000</b>
<b>Water Risk Management</b>														
<b>2.1 Water Resource Science</b>														
YPDT - Regional Groundwater Management Programs		Cat 1	104-90	180,000	180,000	185,000	185,000	190,000	190,000	195,000	195,000	200,000	200,000	200,000
Regional Watershed Monitoring Program		Cat 1	124-01	80,000	80,000	80,000	83,000	83,000	83,000	84,000	84,000	84,000	86,000	86,000
Flood Line Mapping Program		Cat 1	127-90	40,000	41,000	41,000	41,000	41,000	41,000	42,000	42,000	42,000	44,000	44,000
	Sub-total 2.1			300,000	301,000	306,000	309,000	314,000	314,000	321,000	321,000	326,000	330,000	330,000
<b>2.2 Flood Management</b>														
Flood Gauging (Flood Maintenance)		Cat 1	107-01	37,000	38,000	38,000	39,000	39,000	41,000	41,000	42,000	42,000	44,000	44,000
Flood Protection and Remedial Studies		Cat 1		-	-	-	-	-	-	-	-	-	-	-
Flood Control Infrastructure Maintenance		Cat 1	107-03	24,000	25,000	26,000	27,000	28,000	29,000	30,000	31,000	32,000	33,000	34,000
	Sub-total 2.2			61,000	63,000	64,000	66,000	67,000	70,000	71,000	73,000	74,000	77,000	78,000
<b>2.3 Erosion Management</b>														
Watershed Erosion Monitoring and Maintenance Program		Cat 1		-	-	-	-	-	-	-	-	-	-	-
	Sub-total 2.3			-	-	-	-	-	-	-	-	-	-	-
<b>Water Risk Management Total</b>				<b>361,000</b>	<b>364,000</b>	<b>370,000</b>	<b>375,000</b>	<b>381,000</b>	<b>384,000</b>	<b>392,000</b>	<b>394,000</b>	<b>400,000</b>	<b>407,000</b>	<b>408,000</b>
<b>Regional Biodiversity</b>														
<b>3.1 Ecosystem Management Research and Directions</b>														
Watershed Planning and Reporting Technical Support		Cat 1	104-28	26,000	26,000	26,000	28,000	28,000	28,000	30,000	30,000	30,000	32,000	32,000
Watershed Science – Terrestrial Field Inventories		Cat 1	104-29	25,000	25,000	25,000	27,000	27,000	27,000	29,000	29,000	29,000	30,000	30,000
	Sut-total 3.1			51,000	51,000	51,000	55,000	55,000	55,000	59,000	59,000	59,000	62,000	62,000
<b>3.2 Biodiversity Monitoring</b>														
Regional Watershed Monitoring Program - Biodiversity	0	Cat 1	124-02	65,000	65,000	65,000	67,000	67,000	67,000	69,000	69,000	69,000	69,000	69,000
Durham Waterfront Monitoring Program		Cat 1	229-01	17,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	26,000
	Sub-total 3.2			82,000	82,000	83,000	86,000	87,000	88,000	91,000	92,000	93,000	94,000	95,000
<b>3.3 Restoration and Regeneration</b>														
Bioregional Seed Crop Program		Cat 1	114-52	7,000	7,000	7,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000	10,000
	Sub-total 3.3			7,000	7,000	7,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000	10,000
<b>3.4 Forest Management</b>														
Managing Hazard Trees Program		Cat 1	109-20	47,000	48,000	49,000	50,000	51,000	52,000	53,000	54,000	55,000	56,000	57,000
Durham Land Reserve		Cat 1	109-20	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000
	Sub-total 3.4			88,000	89,000	90,000	91,000	92,000	93,000	94,000	95,000	96,000	97,000	98,000



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Office Accommodation Project		Cat 1	006-50	42,371	42,371	42,371	42,371	42,371	42,371	42,371	42,371	42,371	42,371	42,371
	Sub-total 9.1			71,571	72,171	72,171	72,171	72,171	72,171	72,171	72,171	72,171	72,171	72,171
<b>9.2 Financial Management</b>														
<b>9.3 Human Resources</b>														
<b>9.4 Office Services</b>														
<b>9.5 Corporate Communications</b>														
<b>9.6 Information Infrastructure and Management</b>														
Information Technology Replacement Program		Cat 1	014-01	14,600	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900
	Sub-total 9.6			14,600	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900	14,900
<b>9.7 Project Recoveries</b>														
<b>9.8 Vehicle and Equipment</b>														
<b>Corporate Services Total</b>				<b>86,171</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>	<b>87,071</b>
<b>TOTAL CATEGORY 1 EXPENSE</b>				<b>841,671</b>	<b>846,971</b>	<b>856,971</b>	<b>871,971</b>	<b>880,971</b>	<b>888,971</b>	<b>905,971</b>	<b>910,971</b>	<b>918,971</b>	<b>935,971</b>	<b>938,971</b>
<b>Watershed Studies and Strategies</b>														
<b>1.1 Watershed Planning and Reporting</b>				-	-	-	-	-	-	-	-	-	-	-
<b>1.2 Climate Science</b>				-	-	-	-	-	-	-	-	-	-	-
<b>Waterhshed Studies and Strategies Total</b>				-	-	-	-	-	-	-	-	-	-	-
<b>Water Risk Management</b>														
<b>2.1 Water Resource Science</b>				-	-	-	-	-	-	-	-	-	-	-
<b>2.2 Flood Management</b>				-	-	-	-	-	-	-	-	-	-	-
<b>2.3 Erosion Management</b>				-	-	-	-	-	-	-	-	-	-	-
<b>Water Risk Management Total</b>				-	-	-	-	-	-	-	-	-	-	-
<b>Regional Biodiversity</b>														
<b>3.1 Ecosystem Management Research and Directions</b>														
Terrestrial Ecosystem Science Program		Cat 2	120-62	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000	49,000	50,000
Terrestrial Ecosystem Science Program		Cat 2	104-23	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000	49,000	50,000
Terrestrial Natural Heritage Field Inventory Program		Cat 2	104-22	70,000	72,000	74,000	76,000	78,000	80,000	82,000	84,000	87,000	90,000	93,000
	Sub-total 3.1			150,000	154,000	158,000	162,000	166,000	170,000	174,000	178,000	183,000	188,000	193,000
<b>3.2 Biodiversity Monitoring</b>														
Monitoring for Biodiversity		Cat 2	124-81	85,000	88,000	91,000	94,000	97,000	100,000	103,000	106,000	109,000	112,000	115,000
	Sub-total 3.2			85,000	88,000	91,000	94,000	97,000	100,000	103,000	106,000	109,000	112,000	115,000
<b>3.3 Restoration and Regeneration</b>														
Terrestrial Natural Heritage Implementation Program		Cat 2	109-15	39,000	39,000	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000
Duffins-Carruthers Fish Management Plan Implementation		Cat 2	109-10	39,000	39,000	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000
Duffins Marsh Restoration Program		Cat 2	230-55	39,000	39,000	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000
Seed Crop Collection		Cat 2	190-05	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
	Sub-total 3.3			124,000	124,000	127,000	130,000	133,000	136,000	139,000	142,000	145,000	148,000	151,000
<b>3.4 Forest Management</b>				-	-	-	-	-	-	-	-	-	-	-
<b>Regional Biodiversity</b>				<b>359,000</b>	<b>366,000</b>	<b>376,000</b>	<b>386,000</b>	<b>396,000</b>	<b>406,000</b>	<b>416,000</b>	<b>426,000</b>	<b>437,000</b>	<b>448,000</b>	<b>459,000</b>

[illegible]

9.7 Project Recoveries	-	-	-	-	-	-	-	-	-	-	-	-
9.8 Vehicle and Equipment	-	-	-	-	-	-	-	-	-	-	-	-
Corporate Services	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL CATEGORY 2 EXPENSE	535,000	544,000	558,000	572,000	586,000	600,000	614,000	628,000	644,000	660,000	676,000	
DURHAM REQUEST - CAPITAL	1,376,671	1,390,971	1,414,971	1,443,971	1,466,971	1,488,971	1,519,971	1,538,971	1,562,971	1,595,971	1,614,971	
DURHAM REQUEST - OPERATING	685,000	704,145	722,000	740,000	759,000	778,000	797,000	817,000	837,000	858,000	879,000	
	2,061,671	2,095,116	2,136,971	2,183,971	2,225,971	2,266,971	2,316,971	2,355,971	2,399,971	2,453,971	2,493,971	

Preliminary

## ***Watershed Studies and Strategies***

This service area includes studies and strategies that provide comprehensive, integrated watershed policy development and technical direction to TRCA service areas and partner municipalities. Main program areas include reporting on the health of TRCA watersheds and Lake Ontario waterfront, analysis of the impacts of urban growth and climate change effects, and the development of strategies to maintain and improve watershed and waterfront health.



***Watershed Planning and Reporting***



***Climate Science***

Preliminary

**PROGRAM/PROJECT NAME:** Watershed Planning and Reporting Program

**SERVICE AREA:** Watershed Studies and Strategies

**PROGRAM AREA:** Watershed Planning and Reporting

**STAFF LEAD:** Shrestha, Namrata

**REF. NUMBER:** 120-02

**CATEGORY:** One

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

- 2 Prepare for and respond to severe weather impacts
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

## DESCRIPTION & RATIONALE

Watersheds in TRCA's jurisdiction are under tremendous pressure due to the expansion and intensification of urban areas, aging infrastructure, extreme weather impacts, and other emerging threats such as invasive species. Over the coming years, TRCA's partner municipalities will implement growth, intensification, redevelopment and revitalization plans, and will undertake a range of infrastructure renewal projects. In addition, provincial policies require municipalities to undertake watershed planning to inform land use planning and infrastructure decisions. These decisions represent significant challenges and opportunities to managing watershed and environmental health as well as the health and wellbeing of citizens. TRCA is well-positioned to assist municipal partners in developing watershed plans and watershed reporting products given its technical watershed knowledge, extensive datasets, and long history in community engagement. Watershed plans will provide current and relevant strategic direction to the activities of divisions and groups within TRCA and its partner municipalities. TRCA has experienced many successes in watershed plan implementation, and has been recognized as a global leader. This funding will support watershed reporting to track progress made in implementing watershed plans to achieve watershed health and to communicate watershed conditions with our partners and the general public.

## PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	86,000	86,000	88,000	88,000	88,000	350,000
Peel	152,000	152,000	157,000	157,000	157,000	623,000
Toronto	153,000	153,000	158,000	158,000	158,000	627,000
York	199,000	199,000	206,000	206,000	206,000	817,000
<b>Total:</b>	<b>\$590,000</b>	<b>\$590,000</b>	<b>\$609,000</b>	<b>\$609,000</b>	<b>\$609,000</b>	<b>\$2,417,000</b>

**PROGRAM/PROJECT NAME:** *Watershed Planning and Reporting Program*

## DELIVERABLES

### Category

### Deliverable

#### Stakeholder/Customer Engagement

Educational Programming

Complete broader engagement session with First Nations and Indigenous Groups, public, stakeholders on the Humber River Watershed Plan to receive feedback on the draft Humber River Watershed Plan.

#### Program/Project Administration

Program/Project Management

Continue to facilitate, track, and report on implementation of the Etobicoke Creek Watershed Plan (ECWP) and coordinate ECWP Implementation Steering Committee meetings to receive input and share information.

#### Program/Project Administration

Program/Project Management

Continue and complete the watershed characterization stage (Stage 2) and initiate/continue the future management scenarios stage (Stage 3) of the Rouge River Watershed Plan by Q4, including public engagement and facilitation of Steering Committee input.

#### Program/Project Administration

Program/Project Management

Continue to facilitate, track, and report on implementation of the Carruthers Creek Watershed Plan (CCWP) and coordinate CCWP Implementation Steering Committee meetings to receive input and share information.

#### Program/Project Administration

Program/Project Management

Continue and complete the Implementation Planning stage (Stage 4) for the Humber River Watershed Plan (HRWP) including coordinating and leading external Steering Committee meetings.

#### Knowledge Generation and Sharing

Product

Update the Watershed Planning Hub and the Implementation Tracking Hub for the completed watershed plans (Carruthers Creek and Etobicoke Creek watersheds).

#### Knowledge Generation and Sharing

Product

Continue regular updates to the Watershed and Ecosystems Reporting Hub with new data and indicators in response to technical staff and partner feedback by Q4.



Category	Deliverable
<b>Knowledge Generation and Sharing</b> Process - Review, participation, and/or contribution	Continue supporting regional and local municipalities on watershed and sub-watershed science and planning, watershed plan implementation and facilitation, building relationship with many stakeholders including First Nations, research communities, others.
<b>Knowledge Generation and Sharing</b> Process - Review, participation, and/or contribution	Support TRCA's regional monitoring program review and adapting long-term monitoring processes to meet the needs of watershed planning and reporting processes in partnership with other TRCA teams by Q4.

Preliminary

**PROGRAM/PROJECT NAME:** Climate Change - Research and Adaptation

**SERVICE AREA:** Watershed Studies and Strategies

**PROGRAM AREA:** Climate Science

**REF. NUMBER:** 120-90

**STAFF LEAD:** Gaetz, Noah

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Prepare for and respond to severe weather impacts

**DESCRIPTION & RATIONALE**

The Climate Change Research and Adaptation program consists of a number of initiatives to further the understanding of the potential impacts of climate change on water resource management and natural heritage systems within York, Toronto and other TRCA partner municipalities. This program addresses the current lack of information regarding the potential future impacts of climate change at the local scale, guides the development of specific initiatives to adapt to the expected future climate, and strengthens existing management programs to ensure that water resources and natural heritage systems are resilient to a changing climate. Project Components: Refining the current understanding of anticipated meteorological changes at regional and local scales through independent research and partnerships with federal, provincial and academic climate modeling groups. Prediction of potential water resource impacts of climate change at a local watershed level (i.e., flooding, stormwater management, low flows, erosion) based on refined future climate and meteorological predictions that were not available to previous TRCA initiatives; development of adaptive management strategies, guidelines and design tools as appropriate. Assessment of the impacts and potential risks of climate change on natural heritage systems and urban forest in the Regional Municipality of York, City of Toronto and TRCA jurisdiction, development of adaptation measures and guidance, and updates to current management programs and strategies as required. Advance best practices in water resources, natural heritage systems and urban forest management to maximize resiliency of these systems to future climate conditions and weather extremes.

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	15,000	15,000	15,000	15,000	16,000	61,000
Peel	25,000	25,000	27,000	27,000	28,000	107,000
Toronto	26,000	26,000	27,000	27,000	28,000	108,000
York	34,000	34,000	36,000	36,000	38,000	144,000
<b>Total:</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$105,000</b>	<b>\$105,000</b>	<b>\$110,000</b>	<b>\$420,000</b>

**PROGRAM/PROJECT NAME:** *Climate Change - Research and Adaptation*

## DELIVERABLES

### Category

### Deliverable

#### Program/Project Administration

Program/Project Management

Enhance program delivery through service excellence, internal efficiencies and ongoing professional development (e.g., data management, continued learning).

#### Knowledge Generation and Sharing

Product

Develop, maintain and apply climate-informed planning and design tools to support municipal and watershed decision-making (e.g., Nature Based Climate Solutions Tool, LID Treatment Train Tool).

#### Knowledge Generation and Sharing

Product

Assess climate risks and vulnerabilities to inform regional and municipal adaptation planning (e.g., risk and vulnerability assessments).

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Mobilize knowledge and engage stakeholders in climate action (e.g., presentations at conferences, sharing studies/data with municipal staff, engaging with working groups).

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Inventory, monitor, and analyze adaptation actions to understand current state of climate resilience, track the implementation of new measures, and evaluate effectiveness (e.g., assessing KPIs for restored natural infrastructure, inventory of urban trees)

#### Knowledge Generation and Sharing

Primary Research

Advance research, incorporate emerging science, and analyze new data to enhance understanding of climate hazards (e.g., climate trend analysis, climate research collaborations, identify new datasets and methods).

## ***Water Risk Management***

This service area encompasses the strategic management of water resources, based on physical sciences and applied engineering (hydrology, hydraulics, fluvial geomorphology, hydrogeology and environmental science) through an understanding of water's natural processes, features and functions within the urban landscape. Core activities include environmental and hydrometric monitoring and research; developing state of the science technologies for modeling and flood forecasting; hazard management of erosion sites, unstable slopes and flood vulnerable areas. These activities are critical to reducing risk to life and property. The entire hydrologic cycle is included in this service area, from rainfall to runoff to its outlet at Lake Ontario and all of the processes in between.



***Water Resource Science***



***Flood Management***



***Erosion Management***

**PROGRAM/PROJECT NAME:** YPDT - Regional Groundwater Management Programs

**SERVICE AREA:** Water Risk Management

**PROGRAM AREA:** Water Resource Science

**STAFF LEAD:** Ford, Don

**REF. NUMBER:** 104-90

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

This account is used to manage financial resources for the Oak Ridges Moraine Groundwater Program. The purpose of the program is to store groundwater data across watersheds on the Oak Ridges Moraine. The program has 15 partners that contribute data and funding to the program to help understand and manage water resources. The goal is to get a better picture of how water flows across the landscape, especially groundwater that you can't see. The information that has been learned through this program is highly respected. The database and maps are used by program partners, government agencies, researchers and consulting firms every day. One recent initiative of the program has been to use data from the program to create maps showing 'problem groundwater areas' that help people make decisions about where to dig. Just a few minutes spent on the program's website can save millions of dollars by preventing mistakes. The program's websites and databases are updated often to make sure there is lots of high-quality information available.

**PROPOSED FUNDING**

Municipality	Approved					
	2025	2026	2027	2028	2029	4-Year Forecast
Durham	180,000	180,000	185,000	185,000	190,000	740,000
Peel	180,000	180,000	185,000	185,000	190,000	740,000
Toronto	180,000	180,000	185,000	185,000	190,000	740,000
York	180,000	180,000	185,000	185,000	190,000	740,000
<b>Total:</b>	<b>\$720,000</b>	<b>\$720,000</b>	<b>\$740,000</b>	<b>\$740,000</b>	<b>\$760,000</b>	<b>\$2,960,000</b>

**PROGRAM/PROJECT NAME:** YPDT - Regional Groundwater Management Programs

## DELIVERABLES

### Category

### Deliverable

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Training – The ORMGP website will be updated to improve performance, which in turn will allow for in-person on-line training sessions.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Coordinate a two-day workshop on the Regional Hydrogeology of Southern Ontario for more than 400 attendees from across Ontario and beyond.

#### Knowledge Generation and Sharing

Primary Research

Numerical modeling - with the completion of a Raven water budget model in 2025, the ORMGP is planning to update/build a regional groundwater model.

#### Knowledge Generation and Sharing

Primary Research

Complete refinements to the geodatabase and hydrogeological understanding as new data become available. This work is a key ongoing component of the program and the specifics are driven by partner agency needs.

#### Knowledge Generation and Sharing

Knowledge Management

Develop and refine a new database user interface to enhance the user experience and increase efficiencies in the database.

#### Knowledge Generation and Sharing

Knowledge Management

Provide technical advice to staff at the 15 partner agencies with respect to locating new groundwater-based water supplies, numerical modelling, and conducting hydrogeological assessments.

**PROGRAM/PROJECT NAME:** Regional Watershed Monitoring Program

**SERVICE AREA:** Water Risk Management

**PROGRAM AREA:** Water Resource Science

**STAFF LEAD:** Wallace, Angela

**REF. NUMBER:** 124-01

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal #      Goal Description**

2      Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

The Regional Watershed Monitoring Program (RWMP) is an ongoing program developed by TRCA and its partners to provide a comprehensive, integrated and coordinated approach to environmental monitoring within TRCA's watersheds. This monitoring builds on the existing local and project-specific monitoring efforts of TRCA and their partners and is one of the key programs to assess, catalogue and report on the state, condition and trends in terrestrial and aquatic biodiversity throughout TRCA's jurisdiction. The RWMP activities included in TRCA's Water Risk Management Service Area include the operation and data collection at sites and stations required to assess hydrology, river hydraulics, water quality, fluvial geomorphology, and hydrogeology across the jurisdiction. TRCA's comprehensive data collection and analysis capabilities increase standardization, reduce risk, and ensure predictable and cost-effective operation. Watershed planning and reporting is highly dependent on the data and field work generated by the RWMP program.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved</b>					<b>4-Year Forecast</b>
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	
Durham	80,000	80,000	80,000	83,000	83,000	<b>326,000</b>
Peel	142,000	142,000	142,000	147,000	147,000	<b>578,000</b>
Toronto	142,000	142,000	142,000	148,000	148,000	<b>580,000</b>
York	186,000	186,000	186,000	193,000	193,000	<b>758,000</b>
<b>Total:</b>	<b>\$550,000</b>	<b>\$550,000</b>	<b>\$550,000</b>	<b>\$571,000</b>	<b>\$571,000</b>	<b>\$2,242,000</b>



**PROGRAM/PROJECT NAME:** *Regional Watershed Monitoring Program*

## DELIVERABLES

### Category

### Deliverable

#### Natural Environment

Environmental Monitoring

Support TRCA's hydrometrics and flood warning infrastructure through operation and maintenance of stream gauges and rain gauges.

#### Natural Environment

Environmental Monitoring

Complete annual Water Quality summary memo (for 2024 field season). Report to be completed by June 30, 2026.

#### Natural Environment

Environmental Monitoring

Collect monthly water quality samples at 13 Provincial Water Quality Monitoring Network (PWQMN) sites and 34 RWMP sites throughout TRCA's jurisdiction.

#### Natural Environment

Environmental Monitoring

Monitor 21 Provincial Groundwater Monitoring Network well sites distributed across TRCA jurisdiction. Collect continuous water level data and annual water quality samples according to the monitoring schedule.

#### Natural Environment

Environmental Monitoring

Provide general project management and oversight to the RWMP including annual supervision, work planning, budgeting, health and safety, and human resources.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Compile and analyze data in support of updates to TRCA's Watershed and Ecosystems Reporting Hub and/or Conservation Ontario Watershed Report Card/watershed reporting process, as required.

**PROGRAM/PROJECT NAME:** Flood Line Mapping Program

**SERVICE AREA:** Water Risk Management

**PROGRAM AREA:** Water Resource Science

**STAFF LEAD:** Lorrain, Nick

**REF. NUMBER:** 127-90

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal #      Goal Description**

2      Prepare for and respond to severe weather impacts

**DESCRIPTION & RATIONALE**

To meet regulatory requirements for the protection of life and property from flooding, TRCA develops engineered flood line mapping for all its watercourses. These flood lines are established through the preparation of state-of-the-art hydrology and hydraulic models (both one-dimensional and two-dimensional), and digital topographic mapping. These models and maps define the extent of the floodplain, as well as determine flood flows, flood depths and velocities. Identification of the floodplain allows for the management of existing flood vulnerable areas and ensures new development is adequately situated outside of flood hazard areas. This information also forms the technical basis of TRCA's Flood Emergency Management (flood forecasting and warning, emergency planning and non-structural mitigation) and TRCA's Flood Infrastructure Mitigation Planning and Implementation (structural flood mitigation) teams.

**PROPOSED FUNDING**

Municipality	Approved	2026	2027	2028	2029	4-Year Forecast
	2025					
Durham	40,000	41,000	41,000	41,000	41,000	164,000
Peel	71,000	72,000	72,000	74,000	74,000	292,000
Toronto	71,000	73,000	73,000	74,000	74,000	294,000
York	93,000	95,000	95,000	96,000	96,000	382,000
<b>Total:</b>	<b>\$275,000</b>	<b>\$281,000</b>	<b>\$281,000</b>	<b>\$285,000</b>	<b>\$285,000</b>	<b>\$1,132,000</b>

**PROGRAM/PROJECT NAME:** *Flood Line Mapping Program*

## DELIVERABLES

### Category

### Deliverable

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Manage and disseminate 122 flood line maps and hydrologic/hydraulic modeling of the City of Toronto (Etobicoke Creek, Mimico Creek, Humber River, Don River, Highland Creek and Rouge River Watersheds) to partner municipalities, the development industry, and public.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Manage and disseminate the approximately 208 flood line maps and hydrologic/hydraulic modeling of the Regional Municipality of Peel (Etobicoke Creek, Mimico Creek and Humber River Watersheds) to partner municipalities, the development industry, and public.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Manage and disseminate 185 flood line maps and hydrologic/hydraulic modeling of the Regional Municipality of York (Humber River, Don River, Rouge River and Duffins Creek Watersheds) to partner municipalities, the development industry, and public.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Carruthers Creek Watershed Hydrology Update, complete all remaining components of the hydrology report and finalize the project summary report, and peer review process.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Manage and disseminate 86 flood line maps and hydrologic/hydraulic modeling of the Regional Municipality of Durham (Frenchman's Bay, Petticoat Creek, Duffins Creek, and Carruthers Creek Watersheds) to partner municipalities, the development industry, and public.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Updated map sheets incorporating revisions related to urban development, changes to topographic base mapping, updated hydrology, modifications to channel and stream (i.e., realignment, restoration, etc.) and new and replacement hydraulic structures (i.e., road crossings, railway crossings, etc.) will be incorporated into TRCA's floodplain mapping program as needed.

**PROGRAM/PROJECT NAME:** Flood Gauging (Flood Maintenance)

**SERVICE AREA:** Water Risk Management

**PROGRAM AREA:** Flood Management

**STAFF LEAD:** Mitchell, Craig

**REF. NUMBER:** 107-01

**CATEGORY:** One

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
2	Prepare for and respond to severe weather impacts

#### DESCRIPTION & RATIONALE

The Flood Forecasting and Warning System is a critical component of TRCA's Flood Risk Management Program. Flood Forecasting and Warning is a core, mandatory program that Conservation Authorities are responsible for delivering under Ontario Regulation 686/21, Subsection 2. Technical flood risk related data is collected primarily by stream and rain gauges, and is used for flood forecasting and warning, and flood risk management. Funds are used for installing, monitoring, and maintaining hydrometric networks that supply data for contingency plans, flood warnings, dam operations, and provide technical assistance to municipalities with flood management, infrastructure design, development review and other purposes. In addition, Current hydrometric network includes over 120 gauging stations measuring stream flow, precipitation, snow pack, baseflow, water quality, and climate.

#### PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	37,000	38,000	38,000	38,000	38,000	152,000
Peel	66,000	67,000	67,000	68,000	68,000	270,000
Toronto	65,000	67,000	67,000	69,000	69,000	272,000
York	86,000	88,000	88,000	90,000	90,000	356,000
<b>Total:</b>	<b>\$254,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$265,000</b>	<b>\$265,000</b>	<b>\$1,050,000</b>

**PROGRAM/PROJECT NAME:** *Flood Gauging (Flood Maintenance)*

## DELIVERABLES

### Category

### Deliverable

#### Natural Environment

Environmental Monitoring

Operate and maintain five (5) climate stations within the City of Toronto. Climate stations include snow courses, temperature and meteorological stations. Data is used for flood warning (snow pack run-off) and watershed studies.

#### Hazard Management

Flood

Operate and maintain TRCA's Flood Forecasting and Warning Website ([trcagauging.ca](http://trcagauging.ca)). Tasks include telemetry, software and website upgrades (e.g., develop features to enhance website interface and user tools by Flood Duty Officers and the public), servers, IT support and staff time to maximize uptime of the site.

#### Natural Environment

Environmental Monitoring

Monitor and maintain 12 real-time stream and precipitation gauge stations throughout the Regional Municipality of Durham. There are 12 stream gauges that measure flow and provide warning alarms during flood events. Additionally, there are four (4) real-time precipitation gauges that provide alarms to TRCA staff when flood potential rainfall is detected. Gauges are critical for TRCA to provide flood forecasting

#### Natural Environment

Environmental Monitoring

Operate and maintain two (2) remote stream and three (3) precipitation gauges within the Regional Municipality of Durham. Data collected is used for floodplain mapping, infrastructure design (sewers, bridges, etc.), permits, planning and watershed plans.

#### Natural Environment

Environmental Monitoring

Monitor and maintain 12 real-time stream and precipitation gauge stations throughout Peel Region. There are six (6) stream gauges that measure flow and provide warning alarms during flood events. Additionally, there are six (6) real-time precipitation gauges that provide alarms to TRCA staff when flood potential rainfall is detected. Gauges are critical for TRCA to provide flood forecasting and warning.

#### Natural Environment

Environmental Monitoring

Operate and maintain five (5) remote stream and three (3) precipitation gauges within the Region of Peel. Data collected is used for floodplain mapping, infrastructure design (sewers, bridges, etc.), permits, planning and watershed plans.

#### Natural Environment

Environmental Monitoring

Operate and maintain five (5) climate stations within the Region of Peel. Climate stations include snow courses, temperature and meteorological stations. Data is used for flood warning (snow pack run-off) and watershed studies.

## Category

## Deliverable

### Hazard Management

Flood

Install a non-contact sensor at the Black Creek at Alliance HY097 flood warning gauge. Non-contact sensor will use less power and can improve gauge reading accuracy and frequency at the flood warning gauge.

### Natural Environment

Environmental Monitoring

Operate and maintain seven (7) remote stream and five (5) precipitation gauges within the City of Toronto. Data collected is used for floodplain mapping, infrastructure design (sewers, bridges, etc.), permits, planning and watershed plans.

### Natural Environment

Environmental Monitoring

Operate and maintain seven (7) climate stations within Durham. Climate stations include snow courses, temperature and meteorological stations. Data is used for flood warning (snow pack run-off) and watershed studies.

### Natural Environment

Environmental Monitoring

Develop and maintain 35 stage/discharge relationship curves to convert water level data to flow. Data provided by real-time and non-real-time stream gauges need to be converted to flow through a rigorous conversion and quality assurance / quality control process.

### Natural Environment

Environmental Monitoring

Service as software package for the Aquarius and EnviroSCADA discharge and flood warning alarm system. This is a cloud based service that will meet TRCA's requirement to utilize cloud services and eliminate TRCA owned servers.

### Natural Environment

Environmental Monitoring

Monitor and maintain 12 real-time stream and precipitation gauge stations throughout York Region. There are six (6) stream gauges that measure flow and provide warning alarms during flood events. Additionally, there are nine (9) real-time precipitation gauges that provide alarms to TRCA staff when flood potential rainfall is detected. Gauges are critical for TRCA to provide flood forecasting and warning.

### Natural Environment

Environmental Monitoring

Monitor and maintain 12 real-time stream and precipitation gauge stations throughout York Region. There are six (6) stream gauges that measure flow and provide warning alarms during flood events. Additionally, there are nine (9) real-time precipitation gauges that provide alarms to TRCA staff when flood potential rainfall is detected. Gauges are critical for TRCA to provide flood forecasting and warning.

### Natural Environment

Environmental Monitoring

Operate and maintain two (2) remote stream and three (3) remote precipitation gauges in York Region. Data collected is used for floodplain mapping, infrastructure design (sewers, bridges, etc.), permits, planning and watershed plans.

### Natural Environment

Environmental Monitoring

Operate and maintain 10 climate stations within the York Region. Climate stations include snow courses, temperature and meteorological stations. Data is used for flood warning (snow pack run-off) and watershed studies.

Category	Deliverable
<b>Natural Environment</b> Environmental Monitoring	Operate and maintain 10 climate stations within the York Region. Climate stations include snow courses, temperature and meteorological stations. Data is used for flood warning (snow pack run-off) and watershed studies.
<b>Natural Environment</b> Environmental Monitoring	Monitor and maintain 19 real-time stream and precipitation gauge stations throughout the City of Toronto. There are 13 stream gauges that measure flow and provide warning alarms during flood events. Additionally, six (6) real-time precipitation gauges provide alarms to TRCA staff when flood potential rainfall is detected. Gauges are critical for TRCA to provide flood forecasting and warning.

Preliminary



**PROGRAM/PROJECT NAME:** Flood Control Infrastructure Maintenance

**SERVICE AREA:** Water Risk Management

**PROGRAM AREA:** Flood Management

**STAFF LEAD:** Mitchell, Craig

**REF. NUMBER:** 107-03

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Prepare for and respond to severe weather impacts

**DESCRIPTION & RATIONALE**

TRCA monitors, maintains and operates 10 dams and 18 flood control structures that help reduce flooding in flood vulnerable areas as well as provide recreational reservoirs for public enjoyment. Infrastructure includes dams, dikes, and channels. Due diligence responsibilities require TRCA to undertake projects to ensure flood infrastructure is managed to minimize risk to the public. To meet this objective, inspections of each structure are completed annually and any deficiencies identified are repaired as required (subject to available funding). Funding is used for capital projects that include concrete repairs, dam safety reviews, sediment and/or vegetation removal, engineering reports and structural repairs.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	24,000	25,000	26,000	27,000	28,000	106,000
Peel	338,000	338,000	348,000	358,000	369,000	1,413,000
Toronto	67,000	69,000	71,000	73,000	75,000	288,000
York	144,000	148,000	152,000	157,000	162,000	619,000
<b>Total:</b>	<b>\$573,000</b>	<b>\$580,000</b>	<b>\$597,000</b>	<b>\$615,000</b>	<b>\$634,000</b>	<b>\$2,426,000</b>

**PROGRAM/PROJECT NAME:** *Flood Control Infrastructure Maintenance*

**DELIVERABLES**

**Category**

**Deliverable**

**Hazard Management**

Flood

Remove vegetation and debris from flood control channels to maintain flood flow capacity and reduce the need for major capital maintenance projects. Target channels for 2026 equates to 2,800m of channel/structure.

**Hazard Management**

Flood

Remove vegetation and debris from flood control channels to maintain flood flow capacity and reduce the need for major capital maintenance projects. Target channels for 2026 equates to 2,800m of channel/structure.

**Hazard Management**

Flood

G. Ross Lord Dam Engineer of Record Project

**Hazard Management**

Flood

Stouffville Channel Major Maintenance Final Design Project

**Hazard Management**

Flood

Annual servicing and maintenance of emergency back-up generators at Claireville Dam and G. Ross Lord Dam. Regular servicing ensures reliable operation of dam gates during power outages.

**Hazard Management**

Flood

Claireville Dam Gate Repair Project

**Hazard Management**

Flood

Claireville Dam Wing Wall Repair

Category	Deliverable
<b>Hazard Management</b> Flood	Perform embankment and reservoir maintenance on Claireville dam, including debris and vegetation removal. Removals occur three (3) to four (4) times annually, depending on growth. This allows for embankment inspections and reduces the risk of failures.

Preliminary

## ***Regional Biodiversity***

This service area includes programs, projects and activities that together create a comprehensive and integrated approach to regional biodiversity and ecosystem management. Main activities include monitoring of ecological conditions and ecosystem trends, ecosystem planning and research, habitat restoration and regeneration, and management of existing regional biodiversity. The result of this work demonstrates the benefit biodiversity provides to community and human well-being.



***Ecosystem Management Research and Directions***



***Biodiversity Monitoring***



***Restoration and Regeneration***



***Forest Management***

**PROGRAM/PROJECT NAME:** Watershed Planning and Reporting Technical Support

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Ecosystem Management Research and Directions

**REF. NUMBER:** 104-28

**STAFF LEAD:** Gaetz, Noah

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

This program delivers required science-based evidence and expertise on terrestrial and aquatic ecosystems to support TRCA and its partner municipalities in objectives related to watershed planning and reporting. The program provides technical analysis and models to support watershed planning, subwatershed planning, settlement area boundary expansions, online reporting hub, watershed report cards, and rapid site level assessments. This work ultimately supports the mitigation of hazards as it relates to land use planning processes in relation to Water Resource Systems, Natural Heritage System and other relevant strategies. This work is a mandatory service under provincial policies, municipal Official Plans, transportation plans, and various climate change adaptation strategies.

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	26,000	26,000	26,000	28,000	28,000	108,000
Peel	46,000	46,000	46,000	50,000	50,000	192,000
Toronto	47,000	47,000	47,000	51,000	51,000	196,000
York	61,000	61,000	61,000	66,000	66,000	254,000
<b>Total:</b>	<b>\$180,000</b>	<b>\$180,000</b>	<b>\$180,000</b>	<b>\$195,000</b>	<b>\$195,000</b>	<b>\$750,000</b>

**PROGRAM/PROJECT NAME:** *Watershed Planning and Reporting Technical Support*

## DELIVERABLES

### Category

### Deliverable

#### Knowledge Generation and Sharing

Product

Provide technical leadership for rapid site level assessments in terms of communicating natural heritage, water resources, and ecological data/analysis (where requested) to support land use planning decisions in defined areas (black plans, highways, future urban expansions). This work supports municipal requirements to have up-to-date watershed plans to inform growth and infrastructure.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Initiate the analysis and planning to support the technical lead for the water resources, natural heritage, and water quality sections of the scenario analysis in support of the Rouge River watershed plan. This work supports municipal requirements to have up-to-date watershed plans to inform growth and infrastructure.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Technical lead for the data quality assurance and quality control, analysis, and presentation of information for the update of content to the online reporting hub, including the water resource system, natural heritage system, aquatic ecosystem, terrestrial ecosystem, water quality and Lake Ontario nearshore sections. This work supports municipal requirements to have up-to-date watershed plans to inform growth and infrastructure.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support the characterization phase of the Rouge River watershed plan. Here data scoping and gap analysis will include natural heritage system, water resources system, aquatic ecosystem, terrestrial ecosystem, water quality, urban forest, climate change, and water quantity. This work supports municipal requirements to have up-to-date watershed plans to inform growth and infrastructure.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support the data scoping phase of the Petticoat Creek watershed plan. Here data scoping and gap analysis will include natural heritage system, water resources system, aquatic ecosystem, terrestrial ecosystem, water quality, urban forest, climate change, and water quantity. This work supports municipal requirements to have up-to-date watershed plans to inform growth and infrastructure.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support implementation of TRCA watershed plans by supporting the recently developed plans for (i) Humber River, (ii) Etobicoke Creek, (iii) Carruthers Creek, and others. This work supports municipal requirements to have up-to-date watershed plans.

**PROGRAM/PROJECT NAME:** Watershed Science - Terrestrial Field Inventories

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Ecosystem Management Research and Directions

**REF. NUMBER:** 104-29

**STAFF LEAD:** Hayes, Sue

**CATEGORY:** One

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

## DESCRIPTION & RATIONALE

This program collects the required terrestrial field inventory data to support TRCA and partner municipalities in objectives related to watershed planning and reporting as well as land management of TRCA owned properties. Having relevant and timely field data provides the foundation for the development of watershed and sub watershed plans and allows for good land management practices / decisions.

## PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	25,000	25,000	25,000	27,000	27,000	104,000
Peel	45,000	45,000	45,000	49,000	49,000	188,000
Toronto	46,000	46,000	46,000	50,000	50,000	192,000
York	59,000	59,000	59,000	64,000	64,000	246,000
<b>Total:</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$190,000</b>	<b>\$190,000</b>	<b>\$730,000</b>

**PROGRAM/PROJECT NAME:** *Watershed Science - Terrestrial Field Inventories*

## DELIVERABLES

### Category

Knowledge Generation and Sharing

Product

### Deliverable

To collect and manage terrestrial biological data to support the development of Watershed Plans (Rouge, and Petticoat or Duffins).

Preliminary



**PROGRAM/PROJECT NAME:** Regional Monitoring Program - Biodiversity

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Biodiversity Monitoring

**STAFF LEAD:** Wallace, Angela

**REF. NUMBER:** 124-02

**CATEGORY:** One

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

## DESCRIPTION & RATIONALE

CATEGORY 1 BIODIVERSITY ACTIVITIES. The Regional Watershed Monitoring Program (RWMP) is an ongoing program developed by TRCA and its partners to provide a comprehensive, integrated and coordinated approach to environmental monitoring within TRCA's watersheds. This monitoring builds on the existing local and project-specific monitoring efforts of TRCA and their partners and is one of the key programs to assess, catalogue and report on the state, condition and trends in terrestrial and aquatic biodiversity throughout TRCA's jurisdiction. The RWMP activities included in TRCA's Regional Biodiversity Service Area include monitoring sites assessed on an annual or rotational basis that provide insight on the effects of regional urbanization on terrestrial and aquatic habitat, species and communities. Results from this work, in combination with comparable site specific monitoring undertaken at development and restoration project sites, guide greenspace acquisition, restoration planning, and management strategies to ensure continued biodiversity and regional ecosystem stability.

## PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	65,000	65,000	65,000	67,000	67,000	264,000
Peel	116,000	116,000	116,000	118,000	118,000	468,000
Toronto	117,000	117,000	117,000	119,000	119,000	472,000
York	152,000	152,000	152,000	156,000	156,000	616,000
<b>Total:</b>	<b>\$450,000</b>	<b>\$450,000</b>	<b>\$450,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$1,820,000</b>

**PROGRAM/PROJECT NAME:** *Regional Monitoring Program - Biodiversity*

## DELIVERABLES

### Category

### Deliverable

#### Program/Project Administration

Program/Project Management

Provide ongoing general project management and support to the Regional Watershed Monitoring Program including annual supervision of work planning, budgeting, health and safety and human resources.

#### Natural Environment

Environmental Monitoring

Collect monitoring data for forest vegetation plots, wetland vegetation plots, forest bird plots, wetland bird plots, meadow bird plots, and amphibian stations.

#### Natural Environment

Environmental Monitoring

Collect benthic macroinvertebrate community data at up to 75 sites.

#### Natural Environment

Environmental Monitoring

Collect fish community data at approximately 50 sites.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Compile and analyze data in support of updates to TRCA's Watershed and Ecosystems Reporting Hub and/or Conservation Ontario Watershed Report Card/watershed reporting process, as required.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Facilitate data sharing with partners and stakeholders through the development, update and maintenance of relational databases and support the maintenance and further development of TRCA's Open Data System.

**PROGRAM/PROJECT NAME:** Durham Waterfront Monitoring Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Biodiversity Monitoring

**STAFF LEAD:** Wallace, Angela

**REF. NUMBER:** 229-01

**CATEGORY:** One

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

#### DESCRIPTION & RATIONALE

Environmental monitoring along the Durham Waterfront is an important aspect of TRCA's Lake Ontario waterfront monitoring activities and also contributes to the Region of Durham Coastal Wetland Monitoring Project. This program is in partnership with Environment Canada and Central Lake Ontario Conservation Authority. Monitoring activities such as habitat, fish and wildlife surveys focus on documenting local conditions and bio-physical attributes of coastal habitats. Understanding shoreline environmental conditions results in significant input into the planning, design and approval of shoreline projects. Data collected through TRCA surveys informs the Durham Coastal Wetland Study, which is co-authored by Environment Canada and Central Lake Ontario Conservation Authority.

#### PROPOSED FUNDING

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	17,000	17,000	18,000	19,000	20,000	74,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$17,000</b>	<b>\$17,000</b>	<b>\$18,000</b>	<b>\$19,000</b>	<b>\$20,000</b>	<b>\$74,000</b>

**PROGRAM/PROJECT NAME:** *Durham Waterfront Monitoring Program*

## DELIVERABLES

### Category

### Deliverable

#### Natural Environment

Environmental Monitoring

Implement marsh monitoring protocol at up to five (5) stations within the Regional Municipality of Durham Lake Ontario shoreline area.

#### Natural Environment

Environmental Monitoring

Conduct aquatic vegetation surveys at up to three (3) sites within the Regional Municipality of Durham Lake Ontario shoreline area.

#### Natural Environment

Environmental Monitoring

Conduct benthic invertebrate community surveys at up to ten (10) stations within the Regional Municipality of Durham Lake Ontario shoreline area.

#### Natural Environment

Environmental Monitoring

Conduct fish community surveys at up to ten (10) stations within the Regional Municipality of Durham Lake Ontario shoreline area.

**PROGRAM/PROJECT NAME:** Bioregional Seed Crop Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Restoration and Regeneration

**STAFF LEAD:** Tonerger, Ralph

**REF. NUMBER:** 114-52

**CATEGORY:** One

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

##### Goal # Goal Description

2 Reduce corporate greenhouse gas emissions to meet established targets

#### DESCRIPTION & RATIONALE

TRCA Indigenous Plant Propagation program is a key strategic resource for the successful implementation of many of TRCA's core programs including supporting the management of natural hazards, flood erosion control programs and restoration planting projects on TRCA owned and managed properties. Seed and vegetative plant cutting materials is collected and harvested from locally documented sources, propagated, and grown on for one to five (1 - 5) years. The Nursery provides multi-divisional support for restoration projects by producing, sourcing, and supplying all plant material and supplies. Through various trials, the Nursery continues to seek out and try innovative ways to improve production. TRCA's Indigenous Plant Propagation program is increasing seed collection in local and neighboring seed zones and will continue to produce quality source identified plant material that has proven success in restoration projects and helps mitigate the impact of climate change.

#### PROPOSED FUNDING

Municipality	Approved	2026	2027	2028	2029	4-Year Forecast
	2025					
Durham	7,000	7,000	7,000	9,000	9,000	32,000
Peel	13,000	13,000	13,000	15,000	15,000	56,000
Toronto	13,000	13,000	13,000	16,000	16,000	58,000
York	17,000	17,000	17,000	20,000	20,000	74,000
<b>Total:</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$220,000</b>

**PROGRAM/PROJECT NAME:** *Bioregional Seed Crop Program*

## DELIVERABLES

### Category

### Deliverable

#### Natural Environment

Habitat Management and Restoration

Produce all required bioengineering materials made up of live stakes, canes and fascine formats from documented sources to help stabilize shorelines, mitigate erosion and flood risk hazards and restore natural environments.

#### Natural Environment

Habitat Management and Restoration

Increase production and locally collected and source identified stock availability. Nursery goal to propagate full seedling target requirements for 13 species.

#### Natural Environment

Habitat Management and Restoration

Collect and process seed from 30 species of native trees and shrubs for in-year propagation, storage, and future reserves in support of erosion and flood control programs and restoration plantings on TRCA's lands.

#### Natural Environment

Habitat Management and Restoration

Harvest and produce approximately 45,000 propagules from native tree and shrub species for vegetative plant production.

#### Natural Environment

Habitat Management and Restoration

Supply 5,000-15,000 or more seedlings of various trees and shrubs for an partnership with Credit Valley Conservation Authority's Warwick Nursery, for container grown plant production.

**PROGRAM/PROJECT NAME:** Managing Hazard Trees Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Forest Management

**STAFF LEAD:** Tonerger, Ralph

**REF. NUMBER:** 109-20

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

- 2 Prepare for and respond to severe weather impacts
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

TRCA owns and manages numerous resource management tracts in the Regional Municipality of Durham. These areas are open to the public but offer limited facilities or amenities. The access roads are maintained for use by staff as access routes and the general public for recreation. The boundaries of these properties often abut properties where TRCA trees could present a risk to people or property, if left unmanaged. The TRCA Hazard Tree program identifies and evaluates potentially hazardous trees, so that they may be abated before any of the risks are realized. Tree inspections, evaluation, mapping and abatements are all done in accordance with TRCA's Hazard Tree Policy, with all work being tracked through the TRCA Hazard Tree database. This program specifically reduces the risk of tree hazards on TRCA owned and managed lands as well as ensuring that TRCA's forest resources are managed and conserved in accordance with the amended CA Act.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	88,000	89,000	90,000	91,000	92,000	362,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$88,000</b>	<b>\$89,000</b>	<b>\$90,000</b>	<b>\$91,000</b>	<b>\$92,000</b>	<b>\$362,000</b>

**PROGRAM/PROJECT NAME:** *Managing Hazard Trees Program*

## DELIVERABLES

### Category

### Deliverable

#### Hazard Management

Tree/Terrestrial Risk

Protect 100% of the scheduled high-priority ash trees in Durham from Emerald Ash Borer by injecting them with TreeAzin natural insecticide by end of Q2 to conserve biodiversity

#### Hazard Management

Tree/Terrestrial Risk

Abate hazard trees on 20 kilometres of trail and property boundaries on TRCA lands in the Regional Municipality of Durham by the end of Q4 to ensure user and stakeholder safety.

#### Hazard Management

Tree/Terrestrial Risk

Assess 129 kilometres of trail and property boundaries on TRCA lands in the Regional Municipality of Durham for hazard trees by the end of Q4 to ensure user and stakeholder safety.

#### Hazard Management

Tree/Terrestrial Risk

Monitor priority areas for emerging threats to forest ecosystem health such as Hemlock Wolly Adelgid, Oak Wilt Disease etc. Support the development of the updated Forest Management Strategy.



## ***Greenspace Securement and Management***

This service area includes the acquisition of a public interest in and management of environmentally significant lands in order to protect their natural functions and services and to conserve the land for the benefit of current and future generations. Key program areas include greenlands acquisition, inventory and audit, master planning, land hazard management, and the protection of archeologically significant resources.



***Greenspace Securement***



***Greenspace Management***



***Rental Properties***

**PROGRAM/PROJECT NAME:** Greenspace Land Acquisition Program

**SERVICE AREA:** Greenspace Securement and Management

**PROGRAM AREA:** Greenspace Securement

**STAFF LEAD:** Schuler, Alexander

**REF. NUMBER:** 004-11

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

TRCA's Greenlands Acquisition Project 2021-2030 aims to acquire property interests whether by fee simple, leasehold, easement, or covenant. These acquisitions are completed for the purpose of preserving environmentally significant lands and the ability to perform their natural functions as well as to conserve lands for the benefit of the people within TRCA's watersheds and beyond. The funds allocated for this project are used to cover the costs/fees related to obtaining property rights through purchases, planning process, donations, easements, and land exchanges including legal, survey, registration, environmental, and appraisal.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	2,900	3,000	3,000	3,000	3,000	12,000
Peel	10,900	10,800	10,800	10,800	10,800	43,200
Toronto	64,100	64,100	64,100	64,100	64,100	256,400
York	22,100	22,100	22,100	22,100	22,100	88,400
<b>Total:</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$400,000</b>

**PROGRAM/PROJECT NAME:** *Greenspace Land Acquisition Program*

## DELIVERABLES

### Category

#### Property/Built Structures

Land and Shoreline Management

### Deliverable

Acquire 80 ha (197 acres) of property rights through purchase, planning process, easements, and land exchanges in hazard, conservation, and environmentally significant lands to safeguard natural functions and conserve lands for community benefits.

#### Property/Built Structures

Land and Shoreline Management

Obtain one (1) property parcel gifted to TRCA pursuant to the Federal Ecological Gifts Program that encourages the donation of environmentally significant lands with increased tax benefits to the donor.

Preliminary

**PROGRAM/PROJECT NAME:** Durham Valley and Corridor Land and Boundary Management

**SERVICE AREA:** Greenspace Securement and Management

**PROGRAM AREA:** Greenspace Management

**REF. NUMBER:** 444-02

**STAFF LEAD:** Cheriton, Deanna

**CATEGORY:** One

### MUNICIPAL STRATEGIC PLAN ALIGNMENT

#### Goal # Goal Description

- 1 Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

### DESCRIPTION & RATIONALE

The Land Management program aims to conserve and manage lands owned or controlled by TRCA in Durham Region. This supports Section 9 (1) in O. Reg. 686/21: Mandatory Programs and Services under the Conservation Authorities Act and TRCA's Conservation Areas Strategy. The program delivers the best possible conservation land care and asset management policies and practices in partnership with the community.

### PROPOSED FUNDING

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	15,000	15,000	15,000	15,000	15,000	60,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$60,000</b>

**PROGRAM/PROJECT NAME:** *Durham Valley and Corridor Land and Boundary Management*

**DELIVERABLES****Category****Property/Built Structures**

Land and Shoreline Management

**Deliverable**

Activities that: secure TRCA interests in its lands; maintain public access & recreation facilities/amenities; make applications/comment on matters under the Planning Act; and conserve, protect, rehabilitate, establish, & manage natural heritage on lands.

Preliminary

## ***Tourism and Recreation***

This service area provides memorable experiences for guests in nature-based settings, which make positive contributions to community health and well-being, while advancing the economic development goals of partner municipalities. Programs include management, maintenance and enhancement of conservation parks and recreation facilities. TRCA delivers these services through leveraging public and private partnerships that focus on community development, tourism and recreational offerings.



***Conservation Parks***



***Waterfront Parks***



***Trails***



***Black Creek Pioneer Village***



***Bathurst Glen Golf Course***



***Events and Festivals***

**PROGRAM/PROJECT NAME:** Durham Trails Program

**SERVICE AREA:** Tourism and Recreation

**PROGRAM AREA:** Trails

**STAFF LEAD:** Cheriton, Deanna

**REF. NUMBER:** 444-09

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

- 1 Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

The Trail Program provides programs and services to maintain trails and related amenities on TRCA lands in Durham Region that support public access and recreational activities that can be provided without the direct support or supervision of staff employed by TRCA or another person or body. This directly supports Section 9 (1) 2 (ii) in O. Reg. 686/21: Mandatory Programs and Services under the Conservation Authorities Act and TRCA's Conservation Areas Strategy. Delivering the best possible trail asset management practices reduces risks (a core responsibility) ensuring users can access greenspaces safely, securely and enjoy exceptional visitor experiences. This program enables the protection of the assets from natural or human hazards and promotes the responsible use of TRCA lands.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	33,000	33,000	33,000	33,000	33,000	132,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$33,000</b>	<b>\$33,000</b>	<b>\$33,000</b>	<b>\$33,000</b>	<b>\$33,000</b>	<b>\$132,000</b>

**PROGRAM/PROJECT NAME:** *Durham Trails Program*

## DELIVERABLES

### Category

**Property/Built Structures**

Land and Shoreline Management

### Deliverable

Trail Management activities to keep TRCA trails in a state of good repair and maximize visitor safety and experience on lands owned or controlled by TRCA, and internal and external trail management consultation, liaison and expert input.

Preliminary



## ***Planning and Development Review***

Planning and Development Review is the administration and implementation of TRCA's legislated and delegated roles and responsibilities in the planning and development approvals process. TRCA's role in this process as a public commenting body, provincially- delegated reviewer for natural hazards, service provider, regulatory authority, resource management agency and landowner is guided by board-approved policies to further the conservation, restoration, development and management of natural resources. These policies are consistent with the requirements of federal, provincial and municipal legislation and incorporate the latest science revealed through TRCA's integrated watershed research to inform municipalities and other approval authorities. TRCA's input in municipal decision making guides growth, redevelopment, revitalization and intensification throughout TRCA's jurisdiction.



***Policy Development and Review***



***Development Planning and Regulation Permitting***



***Environmental Assessment Planning and Permitting***

**PROGRAM/PROJECT NAME:** Regulation and Planning Policy Updates

**SERVICE AREA:** Planning and Development Review

**PROGRAM AREA:** Policy Development and Review

**STAFF LEAD:** Burns, Mary-Ann

**REF. NUMBER:** 120-12

**CATEGORY:** One

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Prepare for and respond to severe weather impacts

**DESCRIPTION & RATIONALE**

This program supports the administration and implementation of TRCA's mandatory plan review and regulatory permitting responsibilities, in accordance with the Conservation Authorities Act and associated regulations. It includes annual updates to Section 28 CA Act Regulation mapping and web-based internal and external mapping to reflect current regulated natural hazard and natural feature information (riverine and shoreline flooding, erosion, wetlands, etc.) and any required public notification. Work also includes updates to TRCA's Policy and Procedure documents, including technical guidelines, checklists, and reporting requirements in response to new or updated legislation, policy, and regulations. This program also supports TRCA's mandatory policy review of comprehensive official plan and zoning by-law reviews and other municipal planning initiatives for consistency with the provincial policy framework for natural hazard management and resilience to urbanization and climate impacts.

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	14,600	14,900	14,900	14,900	14,900	59,600
Peel	54,300	53,900	53,900	53,900	53,900	215,600
Toronto	320,400	320,500	320,500	320,500	320,500	1,282,000
York	110,700	110,700	110,700	110,700	110,700	442,800
<b>Total:</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$2,000,000</b>

**PROGRAM/PROJECT NAME:** *Regulation and Planning Policy Updates*

## DELIVERABLES

### Category

### Deliverable

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Provide policy advice to TRCA staff reviewing development planning, infrastructure and permitting applications. Provide expert evidence in appeals under the Planning Act and for appeals/hearings/court proceedings under the Conservation Authorities Act.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Prepare TRCA corporate responses to federal consultation or Environmental Registry of Ontario postings of new or amended legislation, policies and strategies affecting TRCA interests, from planning policy and regulatory perspective.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Provide input to municipal comprehensive planning, e.g. OP, Zoning updates, SPA Reviews, policy development informed by technical info, CA planning and regulatory responsibilities with solutions to meet legislation. Public/Council meetings as required.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Monitor & track Minister's Zoning Orders coordinating with TRCA planning and technical staff. Includes tracking process/charts, mapping, attending meetings, preparing reports and presentations. May include commenting on MZOs through the ERO.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Maintain Regulation mapping based on technical information, undertake notification as required, update map products as internal and external screening tools for implementing the regulation and supporting official plan and zoning reviews and updates.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Update and maintain TRCA's Policy and Procedure Documents, including guidelines, checklists, and streamlining protocols, conducting any consultation or notification. Update The Living City Policies in response to new or revised legislation affecting TRCA.

## ***Education and Outreach***

Education and Outreach programs support municipal and provincial objectives for environmental education in schools, build professional capacity and competitiveness in the region's sustainable economic sectors, and engage the broader population to become active in developing healthy, sustainable communities. Formal and non-formal education and training is delivered to develop a culture of life-long learning for residents of all ages at TRCA education centres, academic institutions and in the community



***School Programs***



***Family Programs***



***Newcomer Employment and Education***

## ***Sustainable Communities***

This service area supports municipal efforts to create sustainable communities. Projects and programs are developed to address gaps and to coordinate efforts across the region to increase efficiency, effectiveness and impact of programs. The scope of the service area is broad, encompassing programs that address neighbourhood and sector specific eco- efficiencies (water, energy, waste and GHG emissions), awareness of and need for adaptation to climate change, catalyzing the green economy with sustainable technologies, addressing food security through near urban agriculture, and engaging residents in awareness and sustainability action to foster a caring and involved citizenry.



***Living City Transition Program***



***Community Engagement***



***Social Enterprise Development***

## *Corporate Services*

Corporate Services include financial, administrative and technical services that enable TRCA staff to develop new capacity to efficiently and effectively deliver service area objectives.



*Corporate Management and Governance*



*Financial Management*



*Human Resources*



*Corporate Communications*



*Information Infrastructure and Management*

**PROGRAM/PROJECT NAME:** Major Facilities Retrofit Program

**SERVICE AREA:** Corporate Services

**PROGRAM AREA:** Support Service

**STAFF LEAD:** Schuler, Alexander

**REF. NUMBER:** 006-01

**CATEGORY:** One

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

#### DESCRIPTION & RATIONALE

Major Facilities Retrofit Program funding allows TRCA to undertake necessary refurbishments and repairs to administrative facilities and includes funding for TRCA's asbestos management plan and the asset management plan.

#### PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	29,200	29,800	29,800	29,800	29,800	119,200
Peel	108,600	107,900	107,900	107,900	107,900	431,600
Toronto	640,900	641,000	641,000	641,000	641,000	2,564,000
York	221,300	221,300	221,300	221,300	221,300	885,200
<b>Total:</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$4,000,000</b>

**PROGRAM/PROJECT NAME:** *Major Facilities Retrofit Program*

**DELIVERABLES**

**Category**

**Property/Built Structures**  
Built Physical Asset Management

**Deliverable**

Complete repairs to TRCA major facilities/assets as required.

**Property/Built Structures**

Built Physical Asset Management

Complete asbestos containing materials abatements and assessments as per TRCA's policy prior to undertaking any renovations or emergency repairs (one to two (1-2) facilities per year).

Preliminary



**PROGRAM/PROJECT NAME:** Office Accommodation Financing

**SERVICE AREA:** Corporate Services

**PROGRAM AREA:** Support Service

**STAFF LEAD:** Haight, Taryne

**REF. NUMBER:** 006-50

**CATEGORY:** One

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

**Goal # Goal Description**

- 5 Collaborate across local area municipalities, with agencies, and community partners to deliver coordinated and efficient services

#### DESCRIPTION & RATIONALE

The new Administrative Office building is located on the property of TRCA's former head office at 5 Shoreham Drive. TRCA's new Administrative building will meet Leadership in Energy and Environmental Design (LEED) Platinum certification version 4, WELL v2 Building Certification Silver, Zero Carbon ready and Toronto Green Standards Level 2. In addition to sound environmental design, the four (4) story, 87,000 square foot building will act as a catalyst to the revitalization of the Black Creek community (a City of Toronto Neighborhood Improvement Area).

#### PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	42,371	42,371	42,371	42,371	42,371	169,484
Peel	163,700	162,829	162,829	162,829	162,829	651,316
Toronto	962,000	962,500	962,500	962,500	962,500	3,850,000
York	332,000	332,300	332,300	332,300	332,300	1,329,200
<b>Total:</b>	<b>\$1,500,071</b>	<b>\$1,500,000</b>	<b>\$1,500,000</b>	<b>\$1,500,000</b>	<b>\$1,500,000</b>	<b>\$6,000,000</b>

**PROGRAM/PROJECT NAME:** *Office Accommodation Financing***DELIVERABLES****Category**

Property/Built Structures  
Built Physical Asset Management

**Deliverable**

Funding for financing of new administration office.

Preliminary

**PROGRAM/PROJECT NAME:** Information Technology Replacement Program

**SERVICE AREA:** Corporate Services

**PROGRAM AREA:** Information Infrastructure and Management

**REF. NUMBER:** 014-01

**STAFF LEAD:** McKnight, Mark

**CATEGORY:** One

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

- 5 Collaborate across local area municipalities, with agencies, and community partners to deliver coordinated and efficient services

## DESCRIPTION & RATIONALE

TRCA Information Technology Replacement Program is focused on the continuous modernization of technology services across the organization. It supports a complex business landscape for TRCA divisions and programs, encompassing urban and rural challenges across the jurisdiction. TRCA's digital transformation consists of identifying strategies and approaches that will meet the needs of the organization for the future. It will focus on an enterprise approach to modernizing technologies, leveraging cloud and managed services, and building a sustainable approach to managing TRCA's information technology assets.

## PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	14,600	14,900	14,900	14,900	14,900	59,600
Peel	54,300	53,900	53,900	53,900	53,900	215,600
Toronto	320,400	320,500	320,500	320,500	320,500	1,282,000
York	110,700	110,700	110,700	110,700	110,700	442,800
<b>Total:</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$2,000,000</b>

**PROGRAM/PROJECT NAME:** *Information Technology Replacement Program*

## DELIVERABLES

### Category

#### Corporate Services

Information Management

### Deliverable

Support digital transformation initiatives and developing organizational capabilities to adopt and leverage technologies to improve their operations.

#### Corporate Services

Information Management

Deliver the IT Asset Management Program to maintain the lifecycle of TRCA enterprise technology assets through acquisitions, upgrades, replacements.

Preliminary

## ***Watershed Studies and Strategies***

This service area includes studies and strategies that provide comprehensive, integrated watershed policy development and technical direction to TRCA service areas and partner municipalities. Main program areas include reporting on the health of TRCA watersheds and Lake Ontario waterfront, analysis of the impacts of urban growth and climate change effects, and the development of strategies to maintain and improve watershed and waterfront health.



***Watershed Planning and Reporting***



***Climate Science***

Preliminary

## ***Water Risk Management***

This service area encompasses the strategic management of water resources, based on physical sciences and applied engineering (hydrology, hydraulics, fluvial geomorphology, hydrogeology and environmental science) through an understanding of water's natural processes, features and functions within the urban landscape. Core activities include environmental and hydrometric monitoring and research; developing state of the science technologies for modeling and flood forecasting; hazard management of erosion sites, unstable slopes and flood vulnerable areas. These activities are critical to reducing risk to life and property. The entire hydrologic cycle is included in this service area, from rainfall to runoff to its outlet at Lake Ontario and all of the processes in between.



***Water Resource Science***



***Flood Management***



***Erosion Management***

## ***Regional Biodiversity***

This service area includes programs, projects and activities that together create a comprehensive and integrated approach to regional biodiversity and ecosystem management. Main activities include monitoring of ecological conditions and ecosystem trends, ecosystem planning and research, habitat restoration and regeneration, and management of existing regional biodiversity. The result of this work demonstrates the benefit biodiversity provides to community and human well-being.



***Ecosystem Management Research and Directions***



***Biodiversity Monitoring***



***Restoration and Regeneration***



***Forest Management***

**PROGRAM/PROJECT NAME:** Aquatic Ecosystem Science Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Ecosystem Management Research and Directions

**REF. NUMBER:** 120-62

**STAFF LEAD:** Gaetz, Noah

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

This program provides required evidence and expertise on aquatic ecosystem science and management to support TRCA and partner municipality objectives for a resilient aquatic ecosystem. Short and long-term initiatives to translate the latest advancements in science, policy, and practice to help implement current strategies, plans, and policies. Given the integrated nature of aquatic ecosystems, this program focuses on understanding and informing water management, ecohydrology, and aquatic ecosystem health more broadly as well as stated within municipal Official Plans, provincial policy, guidelines and resource plans. The scope of the program is set by the needs and priorities of the Fisheries Management Plans, Watershed Plans, Natural Heritage Systems, municipal Official Plans, and municipal climate change and biodiversity strategies as well as climate adaptation plans. This program delivers its service through aquatic ecosystem science, research, and management directions; including leading priority research projects, informing strategic directions, providing technical expertise, serving on working groups, assisting with obtaining necessary approvals or permits, presenting at or hosting conferences or other communication forums, developing research and funding collaborations with other agencies, academia, and practitioners. With an integrated approach that explicitly incorporates the interconnectedness between aquatic ecosystems and the broader landscape, this program provides the comprehensive evidence-based support required for aquatic ecosystem management as land use and climate continue to change within the region.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	40,000	41,000	42,000	43,000	44,000	170,000
Peel	40,000	41,000	42,000	43,000	44,000	170,000
Toronto	40,000	41,000	42,000	43,000	44,000	170,000
York	40,000	41,000	42,000	43,000	44,000	170,000
<b>Total:</b>	<b>\$160,000</b>	<b>\$164,000</b>	<b>\$168,000</b>	<b>\$172,000</b>	<b>\$176,000</b>	<b>\$680,000</b>



**PROGRAM/PROJECT NAME:** *Aquatic Ecosystem Science Program*

## DELIVERABLES

### Category

### Deliverable

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support the development and assessment of the monitoring review whereas it supports initiatives such as land use and watershed planning. This will include reviews of aquatic ecosystem, water quality, and water quantity monitoring programs.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Continue to develop and work towards a biodiversity assessment and prioritization tool for the TRCA jurisdiction. This will assess both the largest stressors of land use and climate impacts to better strategically allocate resources to ensure biodiversity persistence in the region.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Communicate and disseminate TRCA generated and facilitated aquatic ecosystem science knowledge internally and externally through (i) social media and blog posts, (ii) knowledge sharing platform, (iii) TRCA website, (iv) workshops and conferences, and (v) grey and peer-review publications.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support update and implementation water resource system mapping tools and data layers that provide up to date science and inform the management of natural resources. This includes policy layers and the mapping of new screening layers, such as seepage areas and springs and headwater drainage features. This supports municipalities with Municipal Comprehensive Reviews, watershed planning, development planning processes, and others.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support development and implementation of the TRCA Research Agenda as it pertains to guiding the research needs for aquatic ecosystems within the broader context of climate and land use change. This includes the engagement and communication of TRCA agenda and research projects to explore synergies with partners for shared outcomes/products.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Continue to advance the aquatic ecosystem science program and projects by developing robust partnerships with municipalities, conservation authorities, academics, NGOs, provincial ministries, and other partners to undertake required applied research and advance TRCA strategic priorities.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Provide guidance, technical expertise, and expert advice to TRCA internal groups, municipalities and other partners to develop, inform and implement new and existing strategies, plans, programs, and guidance documents related to aquatic ecosystem science and management (e.g., barrier removal, eco-hydrology, water resource systems, restoration planning, watershed planning, land use planning, Municipal Comprehensive Reviews).

**PROGRAM/PROJECT NAME:** Terrestrial Ecosystem Science Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Ecosystem Management Research and Directions

**REF. NUMBER:** 104-23

**STAFF LEAD:** Gaetz, Noah

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**DESCRIPTION & RATIONALE**

Urbanization and climate change are placing increasing pressure on terrestrial ecosystems and the vital benefits they offer to human well-being. This program provides essential science-based evidence and expertise on ecosystem management to support TRCA and its partner municipalities in their pursuit of healthy, resilient ecosystems. Both short- and long-term projects within the program apply the latest advancements in science, policy, and practice to develop and implement strategies, policies, plans, and programs. Key focus areas include understanding and managing the impacts of urbanization and climate change on ecosystems and their services, identifying context-specific solutions to mitigate these impacts, and creating tools and guidance documents. Engaging TRCA partners to implement these solutions is critical across the region. Services are delivered through applied research, tool development, data analysis, and technical expertise, including workshops and conferences.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	40,000	41,000	42,000	43,000	44,000	170,000
Peel	40,000	41,000	42,000	43,000	44,000	170,000
Toronto	40,000	41,000	42,000	43,000	44,000	170,000
York	40,000	41,000	42,000	43,000	44,000	170,000
<b>Total:</b>	<b>\$160,000</b>	<b>\$164,000</b>	<b>\$168,000</b>	<b>\$172,000</b>	<b>\$176,000</b>	<b>\$680,000</b>

**PROGRAM/PROJECT NAME:** *Terrestrial Ecosystem Science Program*

## DELIVERABLES

### Category

### Deliverable

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support the development, assessment, and implementation of the monitoring review that will support watershed planning exercises. This will focus on how we will collect flora and fauna data within the jurisdiction. This includes data both in natural (e.g. conservation lands) and urban areas (e.g. urban forests).

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Continue to develop and work towards a biodiversity assessment and future prioritization tool for the TRCA jurisdiction. This will assess both the largest stressors of land use and climate impacts to better strategically allocate resources to ensure biodiversity persistence in the region through implementation work (restore, enhance, and protect).

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Communicate and disseminate TRCA generated and facilitated terrestrial ecosystem science knowledge internally and externally through (i) social media and blog posts, (ii) knowledge sharing platform, (iii) TRCA website, (iv) workshops and conferences, and (v) grey and peer-review publications.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support the continued update and implementation natural heritage system mapping tools and data layers that provide up to date science and inform the management of natural resources. This includes policy layers and the mapping of new screening layers within the TRCA jurisdiction. This supports municipalities with municipal comprehensive reviews, official plans, watershed planning, development planning processes, and others.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Support development and implementation of the TRCA Research Agenda as it pertains to guiding the research needs for terrestrial ecosystems within the broader context of climate and land use change. This includes the engagement and communication of TRCA agenda and research projects to explore synergies with partners for shared outcomes/products.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Develop active applied research partnerships with partner municipalities, Conservation Authorities, academics, and other government and non-government partners to secure research funding and undertake priority research to advance terrestrial ecosystem science, policy, and practice.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Provide technical support, expert advice, and general guidance to TRCA groups, municipalities and other partners (through analysis, reviews, working groups, meetings etc.) to develop, inform and implement new and existing strategies, plans, programs, and guidelines related to terrestrial ecosystem science and management (e.g., natural heritage, urban forest, SNAPs, compensation, green infrastructure, ecosystem services, restoration, and land use/infrastructure planning).

Category	Deliverable
<b>Knowledge Generation and Sharing</b> Primary Research	Continue to develop ecosystem service assessments and asset management guidance throughout TRCA's jurisdiction. Assessing benefits and services provided by green infrastructure will help strategically allocate resources to ensure green infrastructure is maintained and enhanced across the region.

Preliminary

**PROGRAM/PROJECT NAME:** Terrestrial Natural Heritage Field Inventory Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Biodiversity Monitoring

**STAFF LEAD:** Hayes, Sue

**REF. NUMBER:** 104-22

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

Terrestrial biological field inventories are conducted on an annual basis to support TRCA projects and programs as well as external partners in the delivery of their projects. There is a need to have scientifically defensible and up to date information for the protection of terrestrial biodiversity. These data sets are used to support various modeling exercises such as at the Natural Heritage Systems Strategy, to set habitat restoration priorities, and for proper alignment of trail systems. This program aims to provide relevant and useful data on the terrestrial natural heritage and to disseminate these data to both internal and external partners.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	70,000	72,000	74,000	76,000	78,000	300,000
Peel	70,000	72,000	74,000	76,000	78,000	300,000
Toronto	70,000	72,000	74,000	76,000	78,000	300,000
York	70,000	72,000	74,000	76,000	78,000	300,000
<b>Total:</b>	<b>\$280,000</b>	<b>\$288,000</b>	<b>\$296,000</b>	<b>\$304,000</b>	<b>\$312,000</b>	<b>\$1,200,000</b>

**PROGRAM/PROJECT NAME:** *Terrestrial Natural Heritage Field Inventory Program*

## DELIVERABLES

### Category

### Deliverable

#### Natural Environment

Environmental Monitoring

Conduct terrestrial biological inventories (mapping of vegetation communities, vascular plants, breeding birds and amphibians) across TRCA Jurisdiction.

#### Knowledge Generation and Sharing

Product

Write seven to ten (7-10) biological inventory and assessment reports and / or technical memos where required.

#### Knowledge Generation and Sharing

Product

Incorporate quality checked biological inventory data into corporate Geographic Information System databases (3 in total) to ensure data is easily accessible to internal and external partners.

#### Knowledge Generation and Sharing

Product

Update and provide internal and external clients three reports on the annual scores and ranks for the regional species (flora and fauna) and vegetation communities of conservation concern.

**PROGRAM/PROJECT NAME:** Monitoring for Biodiversity

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Biodiversity Monitoring

**STAFF LEAD:** Wallace, Angela

**REF. NUMBER:** 124-81

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

CATEGORY 2 BIODIVERSITY ACTIVITIES. The Regional Watershed Monitoring Program (RWMP) is an ongoing program developed by TRCA and its partners to provide a comprehensive, integrated and coordinated approach to environmental monitoring within TRCA's watersheds. This monitoring builds on the existing local and project-specific monitoring efforts of TRCA and their partners and is one of the key programs to assess, catalogue and report on the state, condition and trends in terrestrial and aquatic biodiversity throughout TRCA's jurisdiction. The RWMP activities included in TRCA's Regional Biodiversity Service Area include monitoring sites assessed on an annual or rotational basis that provide insight on the effects of regional urbanization on terrestrial and aquatic habitat, species and communities. Results from this work, in combination with comparable site specific monitoring undertaken at development and restoration project sites, guide greenspace acquisition, restoration planning, and management strategies to ensure continued biodiversity and regional ecosystem stability.

**PROPOSED FUNDING**

<b>Municipality</b>	<b>Approved 2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>4-Year Forecast</b>
Durham	85,000	88,000	91,000	94,000	97,000	370,000
Peel	135,000	139,000	143,000	147,000	151,000	580,000
Toronto	135,000	139,000	143,000	147,000	151,000	580,000
York	95,000	98,000	101,000	104,000	107,000	410,000
<b>Total:</b>	<b>\$450,000</b>	<b>\$464,000</b>	<b>\$478,000</b>	<b>\$492,000</b>	<b>\$506,000</b>	<b>\$1,940,000</b>

**PROGRAM/PROJECT NAME:** *Monitoring for Biodiversity*

## DELIVERABLES

### Category

### Deliverable

#### Program/Project Administration

General Management

Provide ongoing general project management to the Regional Watershed Monitoring Program including supervision of work planning, budgeting, health and safety, and human resources.

#### Natural Environment

Environmental Monitoring

Collect monitoring data for forest vegetation plots, wetland vegetation plots, forest bird plots, wetland bird plots, and amphibian stations.

#### Natural Environment

Environmental Monitoring

Monitor up to 30 sites for West Nile Virus vector mosquito larvae.

#### Natural Environment

Environmental Monitoring

Collect benthic macroinvertebrate community data at up to 75 sites

#### Natural Environment

Environmental Monitoring

Collect fish community data at up to 40 sites. Site locations TBD after RWMP review completed in 2024.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Compile and analyze data in support of updates to TRCA's Watershed and Ecosystems Reporting Hub and/or Conservation Ontario Watershed Report Card/watershed reporting process, as required.

#### Knowledge Generation and Sharing

Process - Review, participation, and/or contribution

Facilitate data sharing with partners and stakeholders through the development, update and maintenance of relational databases and support the maintenance and further development of TRCA's Open Data System.



**PROGRAM/PROJECT NAME:** Terrestrial Natural Heritage Implementation Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Restoration and Regeneration

**STAFF LEAD:** Mcdonald, Karen

**REF. NUMBER:** 109-15

**CATEGORY:** Two

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

##### Goal # Goal Description

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

#### DESCRIPTION & RATIONALE

This program aims to implement projects that benefit Durham's terrestrial natural heritage. The current focus of the program is to manage invasive plant species on public lands to help protect environmentally significant areas, address the biodiversity and climate change crises, and benefit the larger landscape by reducing the invasive plant burden. This program contributes to the implementation of TRCA's Invasive Species Management Strategy and the Carruthers Creek and/or Duffins Creek Watershed Management Plans.

#### PROPOSED FUNDING

Municipality	Approved 2025	2026	2027	2028	2029	4-Year Forecast
Durham	39,000	39,000	40,000	41,000	42,000	162,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$39,000</b>	<b>\$39,000</b>	<b>\$40,000</b>	<b>\$41,000</b>	<b>\$42,000</b>	<b>\$162,000</b>

**PROGRAM/PROJECT NAME:** *Terrestrial Natural Heritage Implementation Program*

## DELIVERABLES

### Category

### Deliverable

**Program/Project Administration**

Identify opportunities to leverage existing funding to enhance/increase deliverables.

Program/Project Management

### Natural Environment

Assess sites managed the previous year to quantify the reduction of the extent and density of the invasive management.

Habitat Management and Restoration

### Natural Environment

Assess and manage approximately 1 ha of invasive species at a priority site.

Environmental Monitoring

Preliminary

**PROGRAM/PROJECT NAME:** Duffins-Carruthers Fish Management Plan Implementation

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Restoration and Regeneration

**STAFF LEAD:** Stille, John

**REF. NUMBER:** 109-10

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

This program (Category 2) involves the strategic implementation of restoration projects as outlined in the Duffins Creek Fish Management Plan in partnership with the municipalities and (OFAH) Atlantic Salmon Program, has identified sites within the Duffins where habitat enhancements will occur in support of the management plan. Work will include riparian vegetation plantings, in-stream fish habitat restoration, stream bank stabilization and erosion control, and wetland restoration, as well as other critical restoration activities that will add to the overall health of the watershed. This program/project may address the core mandate of conserve, protect, rehabilitate, establish, and manage natural heritage located within the lands owned or controlled by TRCA and may also undertake services on non-TRCA owned/controlled land (e.g. municipal owned lands or private lands).

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	39,000	39,000	40,000	41,000	42,000	162,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$39,000</b>	<b>\$39,000</b>	<b>\$40,000</b>	<b>\$41,000</b>	<b>\$42,000</b>	<b>\$162,000</b>

**PROGRAM/PROJECT NAME:** *Duffins-Carruthers Fish Management Plan Implementation*

## DELIVERABLES

### Category

### Deliverable

**Program/Project Administration**

Identify and seek opportunities to leverage new partnerships and funding to enhance existing or initiate new projects

Program/Project Management

### Natural Environment

Habitat Management and Restoration

Conduct restoration to increase natural cover, improve ecosystem function, create a more resilient natural heritage system. Projects could include: 0.25 hectares of wetland, forest, riparian, meadow, stream or (LID) restoration/creation.

### Natural Environment

Habitat Management and Restoration

Complete 2 Rapid Restoration Assessments on past riparian restoration projects sites to monitor for Key Performance Indicators.

**PROGRAM/PROJECT NAME:** Duffins Marsh Restoration Program

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Restoration and Regeneration

**STAFF LEAD:** McDonald, Karen

**REF. NUMBER:** 230-55

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

The Duffins Creek Marsh complex is a Provincially Significant Wetland complex and an Area of Natural and Scientific Interest and one of the largest coastal marshes in Durham Region and in TRCA's jurisdiction. This program implements the Duffins Marsh Restoration Action Plan and aims to improve the ecological function of the marsh through strategic management and implementation of natural cover restoration projects. Management activities focus on common carp and water level management in Corner Marsh to facilitate healthy wetland function; and the increase and enhancement of natural cover (forest, meadow, thicket and wetland) in and surrounding the marsh. These projects also enable greater public appreciation for nature as the lands are publicly accessible. This program supports the implementation of TRCA's Strategic Plan and Watershed Plan and contributes to Durham's Community Climate Adaptation Plan to enhance natural capital, build climate resilience in the natural environment and enhance the urban forest. This is a Category 1 account as the program addresses the core mandate of conserve, protect, rehabilitate, establish, and manage natural heritage located within the lands owned or controlled by TRCA.

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	39,000	39,000	40,000	41,000	42,000	162,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$39,000</b>	<b>\$39,000</b>	<b>\$40,000</b>	<b>\$41,000</b>	<b>\$42,000</b>	<b>\$162,000</b>

**PROGRAM/PROJECT NAME:** *Duffins Marsh Restoration Program*

## DELIVERABLES

### Category

#### Natural Environment

Habitat Management and Restoration

### Deliverable

Plan, design and implement the construction of two (2) aquatic habitat features that contribute to fish and turtle habitat.

#### Natural Environment

Habitat Management and Restoration

Manage project to ensure coordination with other initiatives in the area.

#### Natural Environment

Habitat Management and Restoration

Research potential grant opportunities to leverage existing funding to increase the deliverables.

#### Natural Environment

Habitat Management and Restoration

Plan and implement two (3) nesting structures installations around Duffins Marsh to provide habitat for at-risk bats and promote biodiversity.

#### Natural Environment

Habitat Management and Restoration

Manage water levels to increase vegetation, and improve water clarity and water quality within the Duffins Creek Marsh - activity is dependent on Lake Ontario water levels and may not proceed if water levels are optimal.

**PROGRAM/PROJECT NAME:** Seed Crop Collection

**SERVICE AREA:** Regional Biodiversity

**PROGRAM AREA:** Restoration and Regeneration

**STAFF LEAD:** Tonerger, Ralph

**REF. NUMBER:** 190-05

**CATEGORY:** Two

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

## DESCRIPTION & RATIONALE

TRCA Indigenous Plant Propagation program is a key strategic resource for the successful implementation of many of TRCA's core programs including supporting restoration plantings and valley and stream projects implement for our project partners. Seed and vegetative plant cutting material is collected and harvested from locally documented sources, propagated, and grown on for one to five (1 - 5) years. The Nursery provides multi-divisional support for restoration projects by producing, sourcing, and supplying all plant material and supplies. Through various trials, the Nursery continues to seek out and try innovative ways to improve production. TRCA's Indigenous Plant Propagation program is increasing seed collection in local and neighboring seed zones and will continue to produce quality source identified plant material that has proven success in restoration projects and helps mitigate the impact of climate change.

## PROPOSED FUNDING

Municipality	Approved	2026	2027	2028	2029	4-Year Forecast
	2025					
Durham	7,000	7,000	7,000	7,000	7,000	28,000
Peel	13,000	13,000	13,000	13,000	13,000	52,000
Toronto	13,000	13,000	13,000	13,000	13,000	52,000
York	17,000	18,000	19,000	20,000	21,000	78,000
<b>Total:</b>	<b>\$50,000</b>	<b>\$51,000</b>	<b>\$52,000</b>	<b>\$53,000</b>	<b>\$54,000</b>	<b>\$210,000</b>

**PROGRAM/PROJECT NAME:** *Seed Crop Collection*

## DELIVERABLES

### Category

#### Natural Environment

Habitat Management and Restoration

### Deliverable

Produce all required bioengineering materials made up of live stakes, canes and fascine formats from documented sources to help stabilize shorelines, mitigate erosion and flood risk hazards and restore natural environments.

#### Natural Environment

Habitat Management and Restoration

Increase production and locally collected and source identified stock availability. Nursery staff goal to propagate full seedling target requirements for 13 species.

#### Natural Environment

Habitat Management and Restoration

Collect and process seed from 30 species of native trees and shrubs for in-year propagation, storage, and future reserves in support of erosion and flood control programs and restoration plantings on TRCA's lands.

#### Natural Environment

Habitat Management and Restoration

Supply 5,000-15,000 or more seedlings of various trees and shrubs for a partnership with Credit Valley Conservation Authority's Warwick Nursery, for container grown plant production.

#### Natural Environment

Habitat Management and Restoration

Harvest and produce approximately 45,000 propagules from native tree and shrub species for vegetative plant production.



## ***Greenspace Securement and Management***

This service area includes the acquisition of a public interest in and management of environmentally significant lands in order to protect their natural functions and services and to conserve the land for the benefit of current and future generations. Key program areas include greenlands acquisition, inventory and audit, master planning, land hazard management, and the protection of archeologically significant resources.



***Greenspace Securement***



***Greenspace Management***



***Rental Properties***

## ***Tourism and Recreation***

This service area provides memorable experiences for guests in nature-based settings, which make positive contributions to community health and well-being, while advancing the economic development goals of partner municipalities. Programs include management, maintenance and enhancement of conservation parks and recreation facilities. TRCA delivers these services through leveraging public and private partnerships that focus on community development, tourism and recreational offerings.



***Conservation Parks***



***Waterfront Parks***



***Trails***



***Black Creek Pioneer Village***



***Bathurst Glen Golf Course***



***Events and Festivals***

**PROGRAM/PROJECT NAME:** Frenchman's Bay Management Plan Program

**SERVICE AREA:** Tourism and Recreation

**PROGRAM AREA:** Waterfront Parks

**STAFF LEAD:** Kyte, Johanna

**REF. NUMBER:** 225-40

**CATEGORY:** Two

#### MUNICIPAL STRATEGIC PLAN ALIGNMENT

##### Goal # Goal Description

- 1 Align Regional infrastructure and asset management with projected growth, climate impacts, and community needs
- 1 Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

#### DESCRIPTION & RATIONALE

The Keating Channel 1987 Environmental Assessment stipulated that as a condition of approval an environmental monitoring program be developed. To achieve this TRCA developed and implemented a program to monitor the quality and quantity of dredged material from the channel and the Keating Channel water quality on an annual basis.

#### PROPOSED FUNDING

Municipality	Approved					
	2025	2026	2027	2028	2029	4-Year Forecast
Durham	14,000	14,000	16,000	18,000	20,000	68,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$14,000</b>	<b>\$14,000</b>	<b>\$16,000</b>	<b>\$18,000</b>	<b>\$20,000</b>	<b>\$68,000</b>

**PROGRAM/PROJECT NAME:** *Frenchman's Bay Management Plan Program*

## DELIVERABLES

### Category

### Deliverable

**Program/Project Administration**

Program/Project Management

Support the City of Pickering in developing a resilient shoreline with sustainable recreation opportunities.

**Program/Project Administration**

Program/Project Management

Provide support to City of Pickering staff to address concerns related to Weed Management, Water Quality, Pickering Harbour Company Land/Water Lot Sale and Waterfront Revitalization Projects on TRCA owned and City managed lands in Ward 1.

**Program/Project Administration**

General Management

Provide one window TRCA access for City of Pickering Staff and elected officials in Ward 1 (Pickering Waterfront) and Participate in the Pickering Waterfront Visionary Advisory Committee.

Preliminary

**PROGRAM/PROJECT NAME:** Durham Valley and Corridor Trails Management and Construction

**SERVICE AREA:** Tourism and Recreation

**PROGRAM AREA:** Trails

**REF. NUMBER:** 444-01

**STAFF LEAD:** Cheriton, Deanna

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

- 1 Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

**DESCRIPTION & RATIONALE**

As established in TRCA's Trail Strategy for the Greater Toronto Region, trails on TRCA owned or controlled lands connect with local trail networks that benefit communities in Durham Region. This program develops and maintains trails and related amenities that support access to TRCA owned or controlled lands, as requested by Region of Durham, in partnership with the community. It aims to establish and deliver the best possible trail asset management practice, reduce the risk to assets and human health and safety from natural or human hazards, promote responsible use of TRCA lands, provide exceptional visitor experiences, and involve the community in its activities.

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	22,000	22,000	22,000	22,000	22,000	88,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$22,000</b>	<b>\$22,000</b>	<b>\$22,000</b>	<b>\$22,000</b>	<b>\$22,000</b>	<b>\$88,000</b>

**PROGRAM/PROJECT NAME:** *Durham Valley and Corridor Trails Management and Construction*

**DELIVERABLES****Category**

**Property/Built Structures**

Land and Shoreline Management

**Deliverable**

As requested by Durham Region, Trail Construction and Enhanced Management activities to enhance visitor safety and experience, and internal and external trail management consultation, liaison and expert input related to trails.

Preliminary

**PROGRAM/PROJECT NAME:** Durham Waterfront Trails Program

**SERVICE AREA:** Tourism and Recreation

**PROGRAM AREA:** Trails

**STAFF LEAD:** Kyte, Johanna

**REF. NUMBER:** 228-70

**CATEGORY:** Two

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

- 1 Align Regional infrastructure and asset management with projected growth, climate impacts, and community needs
- 1 Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands

## DESCRIPTION & RATIONALE

Funding for use to assist the Regional Municipality of Durham in improving visitor experience along the Durham Waterfront. Includes advancement City of Pickering and Town of Ajax identified priorities including safe public access to the waterfront, trail development and accessibility improvements, habitat enhancements that target water quality and general aesthetic improvements, interpretive signage, and better integration of the Waterfront Trail through the various communities and with other trail systems.

## PROPOSED FUNDING

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	32,000	32,000	32,000	32,000	32,000	128,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$128,000</b>

**PROGRAM/PROJECT NAME:** *Durham Waterfront Trails Program*

## DELIVERABLES

### Category

**Program/Project Administration**

Program/Project Management

### Deliverable

Provide Support to advance delivery of coast study in support of Waterfront Trail Connections at Marksbury Road in Pickering.

**Program/Project Administration**

Program/Project Management

Provide Support to advance delivery of Waterfront Trail Connections at Bruce Hanscom Park in Pickering.

**Program/Project Administration**

Program/Project Management

Provide one window TRCA access for Town of Ajax, City Pickering and Region of Durham staff and elected officials and stakeholders to advance, maintain and protect the Waterfront Trail in Durham Region.

Preliminary



## ***Planning and Development Review***

Planning and Development Review is the administration and implementation of TRCA's legislated and delegated roles and responsibilities in the planning and development approvals process. TRCA's role in this process as a public commenting body, provincially- delegated reviewer for natural hazards, service provider, regulatory authority, resource management agency and landowner is guided by board-approved policies to further the conservation, restoration, development and management of natural resources. These policies are consistent with the requirements of federal, provincial and municipal legislation and incorporate the latest science revealed through TRCA's integrated watershed research to inform municipalities and other approval authorities. TRCA's input in municipal decision making guides growth, redevelopment, revitalization and intensification throughout TRCA's jurisdiction.



***Policy Development and Review***



***Development Planning and Regulation Permitting***



***Environmental Assessment Planning and Permitting***

## ***Education and Outreach***

Education and Outreach programs support municipal and provincial objectives for environmental education in schools, build professional capacity and competitiveness in the region's sustainable economic sectors, and engage the broader population to become active in developing healthy, sustainable communities. Formal and non-formal education and training is delivered to develop a culture of life-long learning for residents of all ages at TRCA education centres, academic institutions and in the community



***School Programs***



***Family Programs***



***Newcomer Employment and Education***

## ***Sustainable Communities***

This service area supports municipal efforts to create sustainable communities. Projects and programs are developed to address gaps and to coordinate efforts across the region to increase efficiency, effectiveness and impact of programs. The scope of the service area is broad, encompassing programs that address neighbourhood and sector specific eco- efficiencies (water, energy, waste and GHG emissions), awareness of and need for adaptation to climate change, catalyzing the green economy with sustainable technologies, addressing food security through near urban agriculture, and engaging residents in awareness and sustainability action to foster a caring and involved citizenry.



***Living City Transition Program***



***Community Engagement***



***Social Enterprise Development***

**PROGRAM/PROJECT NAME:** Stewardship  
**SERVICE AREA:** Sustainable Communities  
**PROGRAM AREA:** Community Engagement  
**STAFF LEAD:** Wilson, Diana

**REF. NUMBER:** 126-81  
**CATEGORY:** Two

## MUNICIPAL STRATEGIC PLAN ALIGNMENT

### Goal # Goal Description

- 5 Collaborate across local area municipalities, with agencies, and community partners to deliver coordinated and efficient services

## DESCRIPTION & RATIONALE

TRCA community engagement promotes more people engaging in nature more often. Outdoor activities are hosted at the Claremont Nature Centre in north Pickering and across the Duffins Creek, Carruthers Creek and Petticoat Creek watersheds. Events include tree planting, habitat creation projects, seasonal nature walks, recreational outings, environmental workshops and a variety of virtual programs. This wide range of offerings allows us to reach a variety of audiences including seniors and families. In addition to hosting our own events, we also support community groups and partner municipalities with their own environmental programs. Financial support from the Regional Municipality of Durham allows TRCA to leverage additional funding from the City of Pickering and Ontario Power Generation. Collectively, this partnership allows TRCA to build expanded capacity to engage local residents in Pickering, Ajax and rural Uxbridge in community-based environmental and sustainability programming.

## PROPOSED FUNDING

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	56,000	57,000	58,000	59,000	60,000	234,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$56,000</b>	<b>\$57,000</b>	<b>\$58,000</b>	<b>\$59,000</b>	<b>\$60,000</b>	<b>\$234,000</b>

**PROGRAM/PROJECT NAME:** Stewardship

## DELIVERABLES

### Category

### Deliverable

**Stakeholder/Customer Engagement**

Provide 1,000 learner hours for residents of the Regional Municipality of Durham.

Public Engagement

**Stakeholder/Customer Engagement**

Facilitate the development of partnerships that build financial capacity through service level agreements in the Regional Municipality of Durham.

Public Engagement

**Stakeholder/Customer Engagement**

Deliver 50 hours of program instruction to residents of the Regional Municipality of Durham.

Public Engagement

**Stakeholder/Customer Engagement**

Design and deliver five (5) community based events in response to residential need or inquiry; events can include and are not limited to litter clean ups, invasive species removals and citizen science activities for residents of the Regional Municipality of Durham.

Public Engagement

**Stakeholder/Customer Engagement**

Coordinate and deliver three (3) tree planting, habitat creation events or citizen science training programs for residents of the Regional Municipality of Durham. This could include a combination of in person or virtual events.

Public Engagement

**Stakeholder/Customer Engagement**

Plan and deliver four (4) seasonal nature walks, recreational events or family workshops for residents of the Regional Municipality of Durham. These could be a combination of virtual and in person events.

Public Engagement

**Stakeholder/Customer Engagement**

Attend four (4) partner community events in the Regional Municipality of Durham to distribute resources and deliver activities with a sustainability and climate change focus to residents. These could include a combination of in person and virtual events.

Public Engagement

Category	Deliverable
Stakeholder/Customer Engagement	
Public Engagement	Coordinate and deliver four (4) environmental workshops for residents in the Regional Municipality of Durham designed to emphasize how taking action will help mitigate climate change. Some of the topics include: installing a rain barrel, planting a rain garden, creating habitat with native plants, and balcony gardening. These could include a combination of in person and virtual events.

Preliminary

**PROGRAM/PROJECT NAME:** Durham Region Consultation and Relations

**SERVICE AREA:** Sustainable Communities

**PROGRAM AREA:** Community Engagement

**STAFF LEAD:** Markovic, Emily

**REF. NUMBER:** 122-55

**CATEGORY:** Two

**MUNICIPAL STRATEGIC PLAN ALIGNMENT**
**Goal # Goal Description**

- 2 Prepare for and respond to severe weather impacts
- 2 Respect the natural environment, including greenspaces, waterways, and agricultural lands
- 5 Advocate to the federal and provincial government and agencies to advance regional priorities
- 5 Collaborate across local area municipalities, with agencies, and community partners to deliver coordinated and efficient services

**DESCRIPTION & RATIONALE**

This program focusses staff efforts on supporting Region of Durham, Town of Ajax, City of Pickering and Town of Uxbridge planned initiatives and priorities and to support implementation of Category 1 and 2 Programs and Services in the Rouge, Duffins, Petticoat, and Carruthers watersheds. Communication and support of senior municipal leaders and elected officials will be a priority, to provide one window access to TRCA staff for consideration of proposed initiatives and updates on TRCA projects and programs. Further, this program supports the municipal partners in the identification, planning, assessment and implementation of projects and programs for which TRCA's expertise can assist in achieving identified priorities. TRCA will continue to support the municipal partners through the identification and application of funding intakes to further support and implement important projects and programs within the noted watersheds.

**PROPOSED FUNDING**

Municipality	Approved					4-Year Forecast
	2025	2026	2027	2028	2029	
Durham	52,000	53,000	54,000	55,000	56,000	218,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
<b>Total:</b>	<b>\$52,000</b>	<b>\$53,000</b>	<b>\$54,000</b>	<b>\$55,000</b>	<b>\$56,000</b>	<b>\$218,000</b>

**PROGRAM/PROJECT NAME:** *Durham Region Consultation and Relations*

## DELIVERABLES

### Category

### Deliverable

#### Stakeholder/Customer Engagement

Public Engagement

Support at least one major partnership building initiative (e.g., MOU or other agreement, joint leadership coordination team).

#### Program/Project Administration

Program/Project Management

Provide coordination and engagement support for major projects in Durham Region (e.g., Pickering Ajax Dike, Greenwood Conservation Master Plan).

#### Corporate Services

Governance

One-window access to TRCA staff for municipal leaders and elected officials. Run municipal leadership meetings: Durham x4, Ajax x2, Uxbridge x2. Elected official outreach. Support strategic initiatives e.g., Greenwood Tech Advisory Committee.

Preliminary



## *Corporate Services*

Corporate Services include financial, administrative and technical services that enable TRCA staff to develop new capacity to efficiently and effectively deliver service area objectives.



*Corporate Management and Governance*



*Financial Management*



*Human Resources*



*Corporate Communications*



*Information Infrastructure and Management*

Preliminary

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