



Toronto and Region
Conservation
Authority

**2027 Preliminary
Project Summaries and Forecast**
Durham Region

August 2026

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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
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Corporate Services

Executive Summary

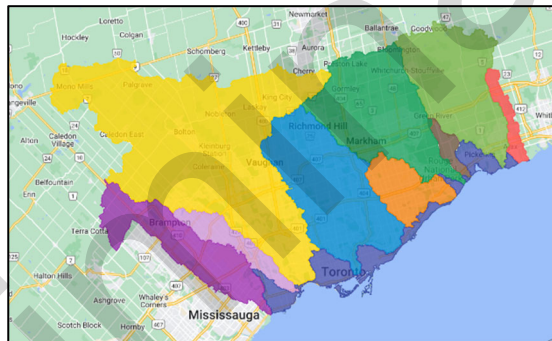
Since 1957, Toronto and Region Conservation Authority (TRCA), as enabled through the provincial *Conservation Authorities Act*, has taken action to enhance our region's natural environment and protect our land, water and communities from the impacts of flooding and increasingly extreme weather events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

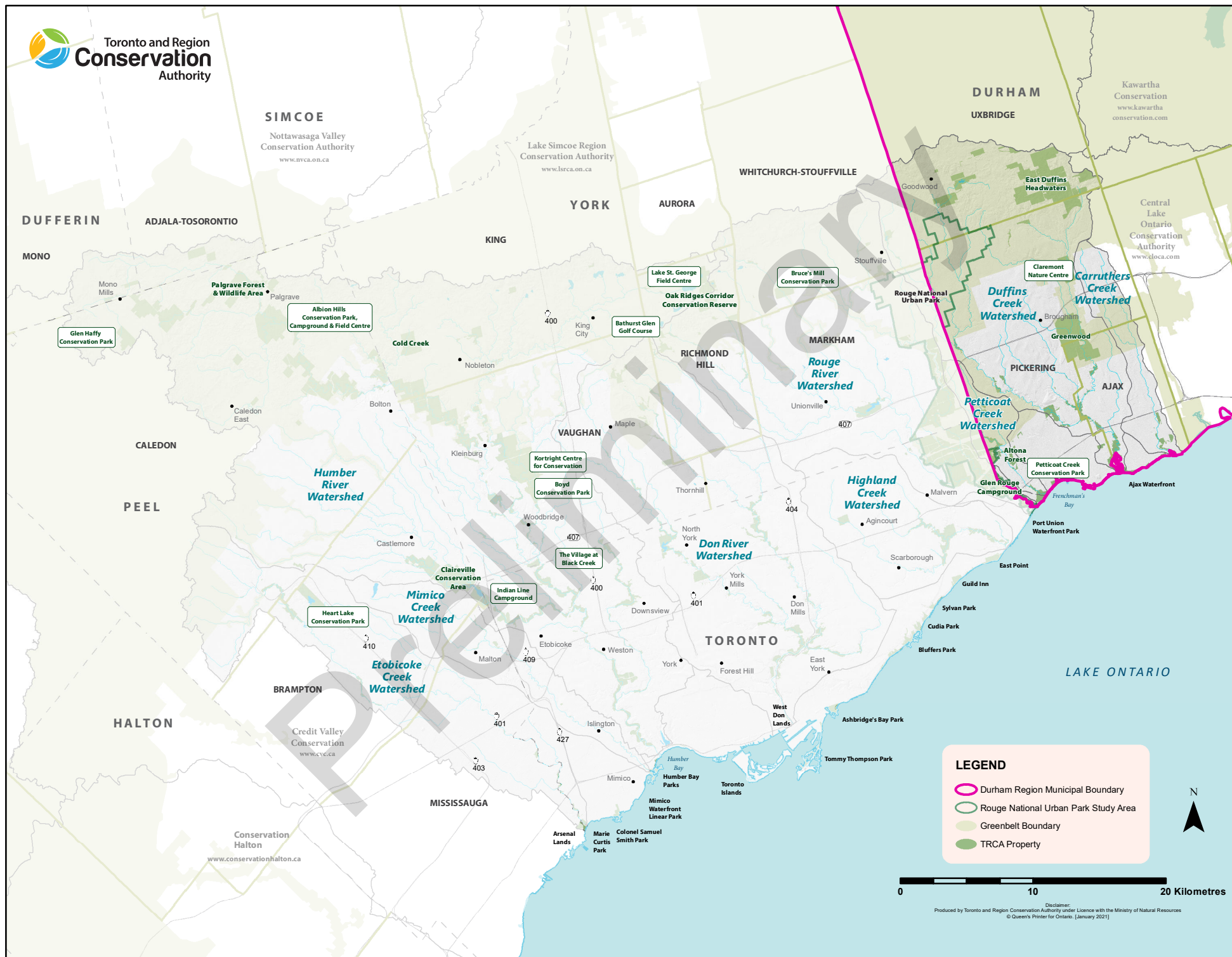
Upper/Single-Tier Municipality	Lower-Tier Municipality	% of Population Within TRCA Jurisdiction
Dufferin County	Mono (Town)	5
Durham Region	Ajax (Town)	86
Durham Region	Pickering (City)	95
Durham Region	Uxbridge (Township)	19
Peel Region	Brampton (City)	63
Peel Region	Caledon (Town)	55

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.



LEGEND

-  Durham Region Municipal Boundary
-  Rouge National Urban Park Study Area
-  Greenbelt Boundary
-  TRCA Property



**Toronto and Region Conservation Authority
2027 Budget Submission
Region of Durham**

By Program	Category	Approved Budget		Projected Budget	
		2026	2027	2028	2029
General Benefiting Operating Levy		766,745	926,093	952,000	979,000
TRCA Operating		704,145	860,093	886,000	913,000
Land Management Expenditures		41,000	41,000	41,000	41,000
One Time - Emerald Ash Borer - Durham Region					
One Time - National Disaster Mitigation Program					
Special Benefitting Programs					
Durham Region Consultation and Relations	2	53,000	54,000	55,000	56,000
Durham Stewardship Program	2	57,000	58,000	59,000	60,000
Climate Change - Research and Adaptation	1	15,000	15,000	15,000	16,000
Watershed Planning and Reporting Program	1	86,000	88,000	88,000	88,000
Watershed Planning		211,000	215,000	217,000	220,000
Regional Watershed Monitoring Program - Category 1	1	162,000	151,000	156,000	157,000
Regional Watershed Monitoring Program - Category 2	2	88,000	88,000	91,000	94,000
Regional Watershed Monitoring		250,000	239,000	247,000	251,000
Terrestrial Natural Heritage Implementation Program	2	39,000	40,000	41,000	42,000
Terrestrial Ecosystem Science Program	2	41,000	42,000	43,000	44,000
Terrestrial Natural Heritage Field Inventory Program	2	72,000	74,000	76,000	78,000
Watershed Planning and Reporting Technical Support	1	26,000	26,000	28,000	28,000
Watershed Science – Terrestrial Field Inventories	1	25,000	25,000	27,000	27,000
Natural Heritage Mapping		203,000	207,000	215,000	219,000
Flood Gauging (Flood Maintenance)	1	38,000	38,000	39,000	39,000
Flood Control Infrastructure Maintenance	1	25,000	41,000	42,000	43,000
Floodworks & Flood Warning System		63,000	79,000	81,000	82,000
TRCA Flood Line Mapping Program	1	41,000	41,000	41,000	41,000
Flood Vulnerable Areas Map Updates		41,000	41,000	41,000	41,000
Aquatic Ecosystem Science Program	2	41,000	42,000	43,000	44,000
Duffins-Carruthers Fish Management Plan Implementation	2	39,000	40,000	41,000	42,000
Aquatic Resources/Fisheries		80,000	82,000	84,000	86,000
Durham Watershed Trails Program	1	48,000	48,000	48,000	48,000
Durham Waterfront Trails Program	2	32,000	32,000	32,000	32,000
Durham Trail Construction	2	22,000	22,000	22,000	22,000
Managing Hazard Trees Program	1	48,000	49,000	50,000	51,000
Watershed Specific - Trails and Hazard Trees		150,000	151,000	152,000	153,000
Frenchman's Bay Management Plan Program	2	14,000	16,000	18,000	20,000
Duffins Marsh Restoration Program	2	39,000	40,000	41,000	42,000
Bioregional Seed Crop Program	1	7,000	7,000	9,000	9,000
Seed Crop Collection	2	7,000	7,000	7,000	7,000
Watershed Specific - Durham Waterfront		67,000	70,000	75,000	78,000
Sub-Total		1,065,000	1,084,000	1,112,000	1,130,000
YPDT Groundwater Management	1	180,000	185,000	185,000	190,000
Total net Program Costs		2,052,745	2,236,093	2,290,000	2,340,000
Special Funding Requests					
Special - TRCA's New Administrative Office Building		42,371	42,371	42,371	42,371
Total net Program Costs		2,095,116	2,278,464	2,332,371	2,382,371

Regional Municipality of Durham Forecast

		Approved				Projected						
		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
1	Watershed Studies and Strategies Total	101,000	103,000	103,000	104,000	107,000	107,000	108,000	108,000	113,000	113,000	113,000
2	Water Risk Management Total	364,000	385,000	390,000	396,000	399,000	407,000	409,000	415,000	422,000	423,000	424,000
3	Regional Biodiversity Total	595,000	592,000	611,000	623,000	639,000	656,000	671,000	684,000	701,000	714,000	736,000
4	Greenspace Securement and Management Total	18,000	18,200	18,200	18,200	18,200	18,200	18,200	18,200	18,200	18,200	18,200
5	Tourism and Recreation Total	101,000	103,000	105,000	107,000	109,000	111,000	113,000	116,000	119,000	122,000	125,000
6	Planning and Development Total	14,900	15,800	15,800	15,800	15,800	15,800	15,800	15,800	15,800	15,800	15,800
7	Education and Outreach Total	-	-	-	-	-	-	-	-	-	-	-
8	Sustainable Communities Total	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,000	128,000	130,000
9	Corporate Services Total	87,071	89,371	89,371	89,371	89,371	89,371	89,371	89,371	89,371	89,371	89,371
Total Capital		1,390,971	1,418,371	1,446,371	1,469,371	1,495,371	1,524,371	1,546,371	1,570,371	1,604,371	1,623,371	1,651,371
Total Operating		704,145	860,093	886,000	913,000	940,000	968,000	997,000	1,027,000	1,058,000	1,090,000	1,123,000
TRCA TOTAL		2,095,116	2,278,464	2,332,371	2,382,371	2,435,371	2,492,371	2,543,371	2,597,371	2,662,371	2,713,371	2,774,371

Forecast - Service Area Format		Category	Account	2026 Approved	2027 Projected	2028	2029	2030
Watershed Studies and Strategies								
1.1 Watershed Planning and Reporting								
Watershed Planning and Reporting Program		Cat 1	120-02	86,000	88,000	88,000	88,000	91,000
	Sub-total 1.1			86,000	88,000	88,000	88,000	91,000
1.2 Climate Science								
Climate Change - Research and Adaptation		Cat 1	120-90	15,000	15,000	15,000	16,000	16,000
	Sub-total 1.2			15,000	15,000	15,000	16,000	16,000
Watershed Studies and Strategies Total				101,000	103,000	103,000	104,000	107,000
Water Risk Management								
2.1 Water Resource Science								
YPDT - Regional Groundwater Management Programs		Cat 1	104-90	180,000	185,000	185,000	190,000	190,000
Regional Watershed Monitoring Program		Cat 1	124-01	80,000	80,000	83,000	83,000	83,000
Flood Line Mapping Program		Cat 1	127-90	41,000	41,000	41,000	41,000	41,000
	Sub-total 2.1			301,000	306,000	309,000	314,000	314,000
2.2 Flood Management								
Flood Gauging (Flood Maintenance)		Cat 1	107-01	38,000	38,000	39,000	39,000	41,000
Flood Protection and Remedial Studies		Cat 1		-	-	-	-	-
Flood Control Infrastructure Maintenance		Cat 1	107-03	25,000	41,000	42,000	43,000	44,000
	Sub-total 2.2			63,000	79,000	81,000	82,000	85,000
2.3 Erosion Management								
Watershed Erosion Monitoring and Maintenance Program		Cat 1		-	-	-	-	-
	Sub-total 2.3			-	-	-	-	-
Water Risk Management Total				364,000	385,000	390,000	396,000	399,000

Regional Biodiversity

3.1 Ecosystem Management Research and Directions

Watershed Planning and Reporting Technical Support	Cat 1	104-28	26,000	26,000	28,000	28,000	28,000
Watershed Science – Terrestrial Field Inventories	Cat 1	104-29	25,000	25,000	27,000	27,000	27,000
Sut-total 3.1			51,000	51,000	55,000	55,000	55,000

3.2 Biodiversity Monitoring

Regional Watershed Monitoring Program - Biodiversity	Cat 1	124-02	65,000	53,000	54,000	54,000	58,000
Durham Waterfront Monitoring Program	Cat 1	229-01	17,000	18,000	19,000	20,000	21,000
Sub-total 3.2			82,000	71,000	73,000	74,000	79,000

3.3 Restoration and Regeneration

Bioregional Seed Crop Program	Cat 1	114-52	7,000	7,000	9,000	9,000	9,000
Sub-total 3.3			7,000	7,000	9,000	9,000	9,000

3.4 Forest Management

Managing Hazard Trees Program	Cat 1	109-20	48,000	49,000	50,000	51,000	52,000
Durham Land Reserve	Cat 1	109-20	41,000	41,000	41,000	41,000	41,000
Sub-total 3.4			89,000	90,000	91,000	92,000	93,000

Regional Biodiversity Total

229,000 219,000 228,000 230,000 236,000

Greenspace Securement and Management

4.1 Greenspace Securement

**Greenspace Land Acquisition Program	Cat 1	004-11	3,000	3,200	3,200	3,200	3,200
Sub-total 4.1			3,000	3,200	3,200	3,200	3,200

4.2 Greenspace Management

Conservation Land Care Program	Cat 1	444-02	15,000	15,000	15,000	15,000	15,000
Sub-total 4.2			15,000	15,000	15,000	15,000	15,000

Greenspace Securement and Mangement Total

18,000 18,200 18,200 18,200 18,200

Tourism and Recreation

5.1 Conservation Parks

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5.2 Waterfront Parks

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5.3 Trails

Durham Watershed Trails Program	Cat 1	444-09	33,000	33,000	33,000	33,000	33,000
Sub-total 5.3			33,000	33,000	33,000	33,000	33,000

5.4 Black Creek Pioneer Village

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5.5 Bathurst Glen

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5.6 Events and Festivals

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Tourism and Recreation Total

33,000 33,000 33,000 33,000 33,000

Planning and Development**6.1 Policy Development and Review**

Planning & Regulation Policy Updates Program	Cat 1	120-12	14,900	15,800	15,800	15,800	15,800
Sub-total 6.1			14,900	15,800	15,800	15,800	15,800

6.2 Development Planning and Regulation Permitting

Growth Management and Specialized Planning Studies Program	Cat 1	120-19	-	-	-	-	-
Sub-total 6.2			-	-	-	-	-

6.3 Environmental Assessment Planning and Permitting

Planning and Development Total			14,900	15,800	15,800	15,800	15,800
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Education and Outreach

7.1 School Programs			-	-	-	-	-
7.2 Family and Community Programs			-	-	-	-	-
7.3 Newcomer Employment and Education			-	-	-	-	-
Education and Outreach Total			-	-	-	-	-

Sustainable Communities

8.1 Living City Transition Program			-	-	-	-	-
8.2 Community Engagement			-	-	-	-	-
Sustainable Communities Total			-	-	-	-	-

Corporate Services**9.1 Corporate Management and Governance**

Major Facilities Retrofit Program	Cat 1	006-01	29,800	31,200	31,200	31,200	31,200
Office Accommodation Project	Cat 1	006-50	42,371	42,371	42,371	42,371	42,371
Sub-total 9.1			72,171	73,571	73,571	73,571	73,571

9.2 Financial Management**9.3 Human Resources****9.4 Office Services****9.5 Corporate Communications****9.6 Information Infrastructure and Management**

Information Technology Replacement Program	Cat 1	014-01	14,900	15,800	15,800	15,800	15,800
Sub-total 9.6			14,900	15,800	15,800	15,800	15,800

9.7 Project Recoveries**9.8 Vehicle and Equipment**

Corporate Services Total			87,071	89,371	89,371	89,371	89,371
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TOTAL CATEGORY 1 EXPENSE

846,971	863,371	877,371	886,371	898,371
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Watershed Studies and Strategies**1.1 Watershed Planning and Reporting****1.2 Climate Science****Watershed Studies and Strategies Total****Water Risk Management****2.1 Water Resource Science****2.2 Flood Management****2.3 Erosion Management****Water Risk Management Total****Regional Biodiversity****3.1 Ecosystem Management Research and Directions**

Terrestrial Ecosystem Science Program	Cat 2	120-62	41,000	42,000	43,000	44,000	45,000
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Terrestrial Ecosystem Science Program	Cat 2	104-23	41,000	42,000	43,000	44,000	45,000
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Terrestrial Natural Heritage Field Inventory Program	Cat 2	104-22	72,000	74,000	76,000	78,000	80,000
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Sub-total 3.1			154,000	158,000	162,000	166,000	170,000
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3.2 Biodiversity Monitoring

Monitoring for Biodiversity	Cat 2	124-81	88,000	88,000	91,000	94,000	97,000
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Sub-total 3.2			88,000	88,000	91,000	94,000	97,000
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3.3 Restoration and Regeneration

Terrestrial Natural Heritage Implementation Program	Cat 2	109-15	39,000	40,000	41,000	42,000	43,000
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Duffins-Carruthers Fish Management Plan Implementation	Cat 2	109-10	39,000	40,000	41,000	42,000	43,000
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Duffins Marsh Restoration Program	Cat 2	230-55	39,000	40,000	41,000	42,000	43,000
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Seed Crop Collection	Cat 2	190-05	7,000	7,000	7,000	7,000	7,000
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Sub-total 3.3			124,000	127,000	130,000	133,000	136,000
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3.4 Forest Management			-	-	-	-	-
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Regional Biodiversity			366,000	373,000	383,000	393,000	403,000
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Greenspace Securement and Management**4.1 Greenspace Securement****4.2 Greenspace Management****Greenspace Securement and Management Total****Tourism and Recreation****5.1 Conservation Parks****5.2 Waterfront Parks**

Frenchman's Bay Management Plan Program

Sub-total 5.2

Cat 2

225-40

14,000

16,000

18,000

20,000

22,000

14,000

16,000

18,000

20,000

22,000

5.3 Trails

Durham Trail Construction

Cat 2

444-01

22,000

22,000

22,000

22,000

22,000

Durham Waterfront Trails Program

Sub-total 5.3

Cat 2

228-70

32,000

32,000

32,000

32,000

32,000

54,000

54,000

54,000

54,000

54,000

5.4 Black Creek Pioneer Village**5.5 Bathurst Glen****5.6 Events and Festivals****Tourism and Recreation Total****68,000****70,000****72,000****74,000****76,000****Planning and Development****6.1 Policy Development and Review****6.2 Development Planning and Regulation Permitting****6.3 Environmental Assessment Planning and Permitting****Planning and Development Review Total**

Education and Outreach					-	-	-	-	-
7.1 School Programs					-	-	-	-	-
7.2 Family and Community Programs					-	-	-	-	-
7.3 Newcomer Employment and Education					-	-	-	-	-
Education and Outreach Total					-	-	-	-	-
Sustainable Communities					-	-	-	-	-
8.1 Living City Transition Program					-	-	-	-	-
8.2 Community Engagement					-	-	-	-	-
Stewardship	Cat 2	126-81	57,000	58,000	59,000	60,000	61,000		
Durham Region Consultation and Relations	Cat 2	122-55	53,000	54,000	55,000	56,000	57,000		
	Sub-Total 8.2		110,000	112,000	114,000	116,000	118,000		
8.3 Social Enterprise Development					-	-	-	-	-
Sustainable Communities Total					110,000	112,000	114,000	116,000	118,000
Corporate Services					-	-	-	-	-
9.1 Corporate Management and Governance					-	-	-	-	-
9.2 Financial Management					-	-	-	-	-
9.3 Human Resources					-	-	-	-	-
9.4 Office Services					-	-	-	-	-
9.5 Corporate Communications					-	-	-	-	-
9.6 Information Infrastructure and Management					-	-	-	-	-
9.7 Project Recoveries					-	-	-	-	-
9.8 Vehicle and Equipment					-	-	-	-	-
Corporate Services					-	-	-	-	-
TOTAL CATEGORY 2 EXPENSE			544,000	555,000	569,000	583,000	597,000		

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

PROGRAM/PROJECT NAME:	Watershed Planning and Reporting Program (120-02)	REF. NUMBER:	120-02
SERVICE AREA:	Watershed Studies and Strategies	CATEGORY:	One
PROGRAM AREA:	Watershed Planning and Reporting	STAFF LEAD:	SHRESTHA, NAMRATA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

Healthy watersheds deliver clean drinking water, reduce flooding and erosion, build climate resilience, and support biodiversity. Watersheds in TRCA's jurisdiction are under tremendous pressure due to increasing urbanization and climate change. Ontario's provincial planning framework recognizes watershed planning as essential to sound land use and infrastructure decisions. Watershed Planning and Reporting program provides integrated understanding of current and future conditions of watershed using up-to-date science and local knowledge, collaboratively identifies strategic measures and priority actions to protect, enhance, and restore watershed health, facilitates implementation and engagement with partners and watershed residents, and tracks and reports on the progress made by TRCA and partners towards healthy and resilient watersheds.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	86,000	88,000	88,000	88,000	91,000	355,000
Peel	152,000	157,000	157,000	157,000	162,000	633,000
Toronto	153,000	158,000	158,000	158,000	162,000	636,000
York	199,000	206,000	206,000	206,000	212,000	830,000
Total:	\$590,000	\$609,000	\$609,000	\$609,000	\$627,000	\$2,454,000

PROGRAM/PROJECT NAME: Watershed Planning and Reporting Program (120-02)

DELIVERABLES

Category	Deliverable
Program/Project Administration <i>Program/Project Management</i> <i>Program Maintenance</i> <i>Project Planning and Reporting</i>	Continue and complete the Future Scenario stage (Stage 3) and Initiate Implementation Planning Stage (Stage 4) of the Rouge River Watershed Plan by Q4, including public engagement and facilitation of Steering Committee input.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Policy Review & Response</i>	Continue supporting regional and local municipalities on watershed and sub-watershed science and planning, providing technical and policy support and review, watershed plan implementation and facilitation support, building relationship with stakeholders, First Nations and Indigenous Communities, research communities, others, and translating / communicating watershed science and planning to the partners and broader audiences.
Program/Project Administration <i>Program/Project Management</i> <i>Program Maintenance</i> <i>Project Planning and Reporting</i>	Continue to facilitate, track, and report on the Carruthers Creek Watershed Plan (CCWP) implementation and coordinate CCWP Implementation Steering Committee meetings to receive input on planned, proposed, and completed projects for the tracking tool and to foster ongoing collaborations and coordinated actions across the watershed.
Knowledge Generation and Sharing <i>Product</i> <i>Data consolidation</i> <i>Guidelines and Decision Support Tools</i>	Manage regular updates to TRCA's Reporting Hub Suite (the Watershed Plan Hub, Implementation Tracking Hub, and the Watershed and Ecosystems Reporting Hub) with new data.
Knowledge Generation and Sharing <i>Product</i> <i>Data consolidation</i> <i>Custom Dataset</i>	Support development of the Watershed Report Card planned to be released in 2028 including preparing and analyzing updated data on key indicators (water quality, water resources, natural heritage), coordinating with other CAs and CO, and aligning them in the TRCA's Reporting Hub.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Data consolidation</i>	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 as requested.

PROGRAM/PROJECT NAME:	<i>Climate Change - Research and Adaptation (120-90)</i>	REF. NUMBER:	120-90
SERVICE AREA:	Watershed Studies and Strategies	CATEGORY:	One
PROGRAM AREA:	Climate Science	STAFF LEAD:	RUPPERT, JONATHAN

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 resources 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, guide the development of specific initiatives to adapt to the expected future climate, and strengthen existing management programs to ensure that water resources and natural heritage systems are resilient to a changing climate. Project Components: Refinement of current understanding of anticipated meteorological changes at a regional and local scale through independent research and partnerships with federal, provincial and academic climate modeling groups. Prediction of the potential water resources impacts of climate change at a local watershed level (i.e., flooding, stormwater mana

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	15,000	15,000	15,000	16,000	16,000	62,000
Peel	25,000	27,000	27,000	28,000	28,000	110,000
Toronto	26,000	27,000	27,000	28,000	28,000	110,000
York	34,000	36,000	36,000	38,000	38,000	148,000
Total:	\$100,000	\$105,000	\$105,000	\$110,000	\$110,000	\$430,000

PROGRAM/PROJECT NAME: Climate Change - Research and Adaptation (120-90)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Primary Research</i> <i>Research Project</i>	Advance research, incorporate emerging science, and analyze new data to enhance understanding of climate hazards (RRWP - future climate change scenarios analysis, RRWP-scenario analysis for water balance, climate research collaborations, identify new datasets and methods).
Knowledge Generation and Sharing <i>Product</i> <i>TRCA Lead</i>	Develop, maintain and apply climate-informed planning and design tools to support municipal and watershed decision-making (Nature Based Climate Solutions Tool, LID Treatment Train Tool).
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Data consolidation</i> <i>Custom Dataset</i>	Inventory, monitor, and analyze adaptation actions to understand current state of climate resilience, track the implementation of new measures, and evaluate effectiveness (Assess SWM KPIs of restored wetlands in TRCA jurisdiction, develop a method to consider erosion mitigation from wetlands, and develop and apply wetland sensitivity to hydrological loading).
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Presentation or Conference</i>	Mobilize knowledge and engage stakeholders in climate action (e.g., presentations at conferences, sharing studies/data with municipal staff, engaging with working groups).

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 (104-90) REF. NUMBER: 104-90
SERVICE AREA: Water Risk Management CATEGORY: One
PROGRAM AREA: Water Resource Science STAFF LEAD: FORD, DON

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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	180,000	185,000	185,000	190,000	190,000	750,000
Peel	180,000	185,000	185,000	190,000	190,000	750,000
Toronto	180,000	185,000	185,000	190,000	190,000	750,000
York	180,000	185,000	185,000	190,000	190,000	750,000
Total:	\$720,000	\$740,000	\$740,000	\$760,000	\$760,000	\$3,000,000

PROGRAM/PROJECT NAME: YPDT - Regional Groundwater Management Programs (104-90)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Primary Research Research Project</i>	After focusing on specific partner projects in 2026, the ORMGP is planning to rebuild the regional groundwater model beginning in 2027.
Knowledge Generation and Sharing <i>Primary Research Research Project</i>	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 <i>Process - Review, participation, and/or contribution Presentation or Conference</i>	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 <i>Knowledge Management Records</i>	Provide enhancements to the new database user interface in response from the 15 program partners.
Knowledge Generation and Sharing <i>Knowledge Management Records</i>	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.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution Presentation or Conference</i>	Training – The ORMGP website will be updated to improve performance, which in turn will allow for in-person on-line training sessions.

PROGRAM/PROJECT NAME:	<i>Regional Watershed Monitoring Program (124-01)</i>	REF. NUMBER:	124-01
SERVICE AREA:	Water Risk Management	CATEGORY:	One
PROGRAM AREA:	Water Resource Science	STAFF LEAD:	WALLACE, ANGELA

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 to provide a comprehensive, integrated and coordinated approach to environmental monitoring within TRCA's watersheds. The program includes establishment fixed sites for long-term monitoring, many of which have been monitored for 20+ years. The RWMP 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 throughout TRCA's jurisdiction. TRCA, collects, stores, distributes and reports on environmental monitoring data that furthers the interests of all involved parties (e.g. regional municipalities, partner agencies). This account is focused on the "water" aspects of RWMP - surface and groundwater quality, hydrology.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	80,000	80,000	83,000	83,000	83,000	329,000
Peel	142,000	142,000	147,000	147,000	147,000	583,000
Toronto	142,000	142,000	148,000	148,000	148,000	586,000
York	186,000	186,000	193,000	193,000	193,000	765,000
Total:	\$550,000	\$550,000	\$571,000	\$571,000	\$571,000	\$2,263,000

PROGRAM/PROJECT NAME: Regional Watershed Monitoring Program (124-01)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring Surface Water</i>	Collect monthly water quality samples at Provincial Water Quality Monitoring Network (PWQMN) sites and RWMP sites throughout TRCA's jurisdiction.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution Plan or Strategy</i>	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.
Natural Environment <i>Environmental Monitoring Surface Water</i>	Complete annual Water Quality summary memo (for 2026 field season). Report to be completed by June 30, 2027.
Natural Environment <i>Environmental Monitoring Ground Water</i>	Monitor Provincial Groundwater Monitoring Network (PGMN) well sites distributed across TRCA jurisdiction. Collect continuous water level data and annual water quality samples according to the monitoring schedule.
Natural Environment <i>Environmental Monitoring Aquatic</i>	Provide general project management and oversight to the RWMP including annual supervision, work planning, budgeting, health and safety, and human resources.
Natural Environment <i>Environmental Monitoring Surface Water</i>	Support TRCA's hydrometrics and flood warning infrastructure through operation and maintenance of stream gauges and rain gauges.

PROGRAM/PROJECT NAME: *Flood Line Mapping Program (127-90)*

REF. NUMBER: 127-90

SERVICE AREA: Water Risk Management

CATEGORY: One

PROGRAM AREA: Water Resource Science

STAFF LEAD: LORRAIN, NICK

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	2030	4-Year Forecast
Durham	41,000	41,000	41,000	41,000	41,000	164,000
Peel	72,000	72,000	74,000	74,000	74,000	294,000
Toronto	73,000	73,000	74,000	74,000	74,000	295,000
York	95,000	95,000	96,000	96,000	96,000	383,000
Total:	\$281,000	\$281,000	\$285,000	\$285,000	\$285,000	\$1,136,000

PROGRAM/PROJECT NAME: Flood Line Mapping Program (127-90)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Legislated/Regulatory Process</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Legislated/Regulatory Process</i>	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) (107-01)* REF. NUMBER: 107-01
SERVICE AREA: Water Risk Management CATEGORY: One
PROGRAM AREA: Flood Management STAFF LEAD: MITCHELL, CRAIG

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. Technical flood risk related data is collected and used for 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 respect to flood management. In addition, TRCA collects and provides real time hydrometric data to support municipal response plans for flood events which is critical for reducing loss of life risk and property damage. Current hydrometric network includes over 120 gauging stations measuring stream flow, precipitation, snow pack, baseflow, water quality and climate. Data collected is regularly used by internal and external clients for a variety of projects including flood warning, flood infrastructure operations, flood plain mapping, development review and infrastructure design.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	38,000	38,000	39,000	39,000	41,000	157,000
Peel	68,000	68,000	70,000	70,000	72,000	280,000
Toronto	69,000	69,000	70,000	70,000	73,000	282,000
York	90,000	90,000	91,000	91,000	95,000	367,000
Total:	\$265,000	\$265,000	\$270,000	\$270,000	\$281,000	\$1,086,000

PROGRAM/PROJECT NAME: Flood Gauging (Flood Maintenance) (107-01)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring Flood</i>	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 <i>Environmental Monitoring Flood</i>	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 <i>Environmental Monitoring Station</i>	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.
Hazard Management <i>Flood Maintain Existing</i>	Operate and maintain TRCA's Flood Forecasting and Warning Website (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 <i>Environmental Monitoring Flood</i>	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 <i>Environmental Monitoring Flood</i>	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.

PROGRAM/PROJECT NAME:	<i>Flood Control Infrastructure Maintenance (107-03)</i>	REF. NUMBER:	107-03
SERVICE AREA:	Water Risk Management	CATEGORY:	One
PROGRAM AREA:	Flood Management	STAFF LEAD:	MITCHELL, CRAIG

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

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	25,000	41,000	42,000	43,000	44,000	170,000
Peel	338,000	348,000	358,000	369,000	380,000	1,455,000
Toronto	69,000	71,000	73,000	75,000	77,000	296,000
York	148,000	152,000	157,000	162,000	167,000	638,000
Total:	\$580,000	\$612,000	\$630,000	\$649,000	\$668,000	\$2,559,000

PROGRAM/PROJECT NAME: Flood Control Infrastructure Maintenance (107-03)

DELIVERABLES

Category	Deliverable
Hazard Management <i>Flood</i> <i>Maintain Existing</i>	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 2027 equates to 2,800m of channel/structure.

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:	<i>Watershed Planning and Reporting Technical Support (104-28)</i>	REF. NUMBER:	104-28
SERVICE AREA:	Regional Biodiversity	CATEGORY:	One
PROGRAM AREA:	Ecosystem Management Research and Directions	STAFF LEAD:	RUPPERT, JONATHAN

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

This program provides integrated technical expertise to support Category 1 watershed planning initiatives and municipal growth and infrastructure decision making. It supports implementation of approved watershed plans, including the Humber River, Etobicoke Creek, Carruthers Creek, and others, ensuring plans remain current and defensible. The program leads data scoping and gap analysis for future watershed plans, coordinating inputs across natural heritage, water resources, aquatic and terrestrial ecosystems, water quality, urban forest, climate change, and water quantity. It provides technical leadership for data quality assurance, analysis, and synthesis of information for TRCA's online reporting hub, ensuring consistent, decision-ready data and indicators. The program also supports scenario analysis for watershed planning and delivers rapid site-level assessments to inform land use planning, major infrastructure projects, and future urban expansions in priority areas, as required.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	26,000	26,000	28,000	28,000	28,000	110,000
Peel	46,000	46,000	50,000	50,000	50,000	196,000
Toronto	47,000	47,000	51,000	51,000	51,000	200,000
York	61,000	61,000	66,000	66,000	66,000	259,000
Total:	\$180,000	\$180,000	\$195,000	\$195,000	\$195,000	\$765,000

PROGRAM/PROJECT NAME: Watershed Planning and Reporting Technical Support (104-28)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Complete 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 <i>Product</i> <i>Report or Publication</i>	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 (block 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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Support the data scoping phase of future watershed plans. 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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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.

PROGRAM/PROJECT NAME:	Watershed Science - Terrestrial Field Inventories (104-29)	REF. NUMBER:	104-29
SERVICE AREA:	Regional Biodiversity	CATEGORY:	One
PROGRAM AREA:	Ecosystem Management Research and Directions	STAFF LEAD:	HAYES, SUE

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 annually to support TRCA watershed plans and land management plans. These inventories provide scientifically defensible and up-to-date information needed to protect terrestrial biodiversity. The goal of this program is to produce relevant, high-quality data on terrestrial natural heritage and to make this information accessible to both internal and external partners.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	25,000	25,000	27,000	27,000	27,000	106,000
Peel	45,000	45,000	49,000	49,000	49,000	192,000
Toronto	46,000	46,000	50,000	50,000	50,000	196,000
York	59,000	59,000	64,000	64,000	64,000	251,000
Total:	\$175,000	\$175,000	\$190,000	\$190,000	\$190,000	\$745,000

PROGRAM/PROJECT NAME: Watershed Science - Terrestrial Field Inventories (104-29)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Product</i> <i>Data consolidation</i> <i>GIS Map or Product</i>	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 (124-02)	REF. NUMBER:	124-02
SERVICE AREA:	Regional Biodiversity	CATEGORY:	One
PROGRAM AREA:	Biodiversity Monitoring	STAFF LEAD:	WALLACE, ANGELA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

CATEGORY 1 BIODIVERSITY. The Regional Watershed Monitoring Program (RWMP) is an ongoing program developed by TRCA to provide a comprehensive, integrated and coordinated approach to environmental monitoring within TRCA's watersheds. The program includes establishment fixed sites for long-term monitoring, many of which have been monitored for 20+ years. The RWMP 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 throughout TRCA's jurisdiction. TRCA, collects, stores, distributes and reports on environmental monitoring data that furthers the interests of all involved parties (e.g. regional municipalities, partner agencies). This account is focused on the biodiversity aspects of RWMP e.g. fish, benthic invertebrates, frogs, birds, vegetation.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	65,000	53,000	54,000	54,000	58,000	219,000
Peel	116,000	93,000	96,000	96,000	102,000	387,000
Toronto	117,000	95,000	97,000	97,000	104,000	393,000
York	152,000	125,000	128,000	128,000	136,000	517,000
Total:	\$450,000	\$366,000	\$375,000	\$375,000	\$400,000	\$1,516,000

PROGRAM/PROJECT NAME: Regional Monitoring Program - Biodiversity (124-02)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring</i> <i>Benthos</i>	Collect benthic macroinvertebrate community data at up to 125 sites.
Natural Environment <i>Environmental Monitoring</i> <i>Aquatic</i>	Collect fish community data at approximately 50 sites.
Natural Environment <i>Environmental Monitoring</i> <i>Terrestrial</i>	Collect monitoring data for forest vegetation plots, wetland vegetation plots, forest bird plots, wetland bird plots, meadow bird plots, and amphibian stations.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 Administration <i>Program/Project Management</i> <i>Program Maintenance</i>	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.

PROGRAM/PROJECT NAME:	Durham Waterfront Monitoring Program (229-01)	REF. NUMBER:	229-01
SERVICE AREA:	Regional Biodiversity	CATEGORY:	One
PROGRAM AREA:	Biodiversity Monitoring	STAFF LEAD:	WALLACE, ANGELA

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 the Toronto and Region Conservation Authority (TRCA) Shoreline Management Program and also contributes to the Durham Region Coastal Wetland Monitoring Project. This project is in partnership with Environment Canada and Central Lake Ontario Conservation Authority. Understanding environmental conditions of the shoreline provides significant information and input into the preplanning, design and approval of projects. This valuable insight into environmental conditions has also been beneficial to identify and protect coastal wetland and open coast habitats. Monitoring projects focus on documenting local conditions and bio-physical attributes of coastal wetlands and open coast shoreline including: fish and wildlife community surveys, wetland monitoring, bio-monitoring, sediment surveys, and physical habitat surveys.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	17,000	18,000	19,000	20,000	21,000	78,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$17,000	\$18,000	\$19,000	\$20,000	\$21,000	\$78,000

PROGRAM/PROJECT NAME: Durham Waterfront Monitoring Program (229-01)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring</i> <i>Aquatic</i>	Conduct aquatic vegetation surveys at up to three (3) sites within the Regional Municipality of Durham Lake Ontario shoreline area.
Natural Environment <i>Environmental Monitoring</i> <i>Aquatic</i>	Conduct benthic invertebrate community surveys at up to ten (10) stations within the Regional Municipality of Durham Lake Ontario shoreline area.
Natural Environment <i>Environmental Monitoring</i> <i>Aquatic</i>	Conduct fish community surveys at up to ten (10) stations within the Regional Municipality of Durham Lake Ontario shoreline area.
Natural Environment <i>Environmental Monitoring</i> <i>Aquatic</i>	Implement marsh monitoring protocol at up to five (5) stations within the Regional Municipality of Durham Lake Ontario shoreline area.

PROGRAM/PROJECT NAME: *Bioregional Seed Crop Program (114-52)*

REF. NUMBER: 114-52

SERVICE AREA: Regional Biodiversity

CATEGORY: One

PROGRAM AREA: Restoration and Regeneration

STAFF LEAD: TONINGER, RALPH

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

TRCA staff will conduct field surveys to locate, inventory, and document regional seed sources. Activities include monitoring seed crops, assessing quality, and collecting genetically diverse, bio-regionally appropriate seeds to support the Indigenous Plant Propagation Program. This program supplies essential raw materials to grow native plant species for restoration, rehabilitation, and naturalization projects across the watershed. Using locally adapted seeds improves survival rates, maintains ecological integrity, and strengthens long-term ecosystem resilience.

Since 2001, TRCA has supplied or installed over 6.1 million trees and shrubs and 783,000 aquatic and herbaceous plants across Peel, York, Durham, and Toronto, enhancing habitat and biodiversity. Continued investment will strengthen capacity to meet growing restoration demands and climate change pressures.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	7,000	7,000	9,000	9,000	9,000	34,000
Peel	13,000	13,000	15,000	15,000	15,000	58,000
Toronto	13,000	13,000	16,000	16,000	16,000	61,000
York	17,000	17,000	20,000	20,000	20,000	77,000
Total:	\$50,000	\$50,000	\$60,000	\$60,000	\$60,000	\$230,000

PROGRAM/PROJECT NAME: Bioregional Seed Crop Program (114-52)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	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 <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	Harvest and produce approximately 45,000 propagules from native tree and shrub species for vegetative plant production.
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	Increase production and locally collected and source identified stock availability. Nursery goal to propagate full seedling target requirements for 13 species.
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	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.

PROGRAM/PROJECT NAME: *Managing Hazard Trees Program (109-20)*

REF. NUMBER: 109-20

SERVICE AREA: Regional Biodiversity

CATEGORY: One

PROGRAM AREA: Forest Management

STAFF LEAD: TONINGER, RALPH

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

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 Conservation Authorities (CA) Act.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	89,000	90,000	91,000	92,000	93,000	366,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$89,000	\$90,000	\$91,000	\$92,000	\$93,000	\$366,000

PROGRAM/PROJECT NAME: Managing Hazard Trees Program (109-20)

DELIVERABLES

Category	Deliverable
Hazard Management <i>Tree/Terrestrial Risk</i> <i>Maintain/Protect</i>	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 <i>Tree/Terrestrial Risk</i> <i>Maintain/Protect</i>	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 <i>Tree/Terrestrial Risk</i> <i>Maintain/Protect</i>	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.
Hazard Management <i>Tree/Terrestrial Risk</i> <i>Maintain/Protect</i>	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

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 (004-11)	REF. NUMBER:	004-11
SERVICE AREA:	Greenspace Securement and Management	CATEGORY:	One
PROGRAM AREA:	Greenspace Securement	STAFF LEAD:	SCHULER, ALEXANDER

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

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	3,000	3,000	3,000	3,000	3,000	12,000
Peel	10,800	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
Total:	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000

PROGRAM/PROJECT NAME: Greenspace Land Acquisition Program (004-11)

DELIVERABLES

Category	Deliverable
Property/Built Structures <i>Land and Shoreline Management</i> <i>Lands Secured</i>	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 <i>Land and Shoreline Management</i> <i>Lands Secured</i>	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 (444-02)* REF. NUMBER: 444-02
SERVICE AREA: Greenspace Securement and Management CATEGORY: One
PROGRAM AREA: Greenspace Management STAFF LEAD: CHERITON, DEANNA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	15,000	15,000	15,000	15,000	15,000	60,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$60,000

PROGRAM/PROJECT NAME: Durham Valley and Corridor Land and Boundary Management (444-02)

DELIVERABLES

Category	Deliverable
Property/Built Structures <i>Land and Shoreline Management</i> <i>TRCA Lands - Maintain Existing</i>	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 (444-09)*

REF. NUMBER: 444-09

SERVICE AREA: Tourism and Recreation

CATEGORY: One

PROGRAM AREA: Trails

STAFF LEAD: CHERITON, DEANNA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
1	Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature

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

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	33,000	33,000	33,000	33,000	33,000	132,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$33,000	\$33,000	\$33,000	\$33,000	\$33,000	\$132,000

PROGRAM/PROJECT NAME: Durham Trails Program (444-09)

DELIVERABLES

Category	Deliverable
Property/Built Structures <i>Land and Shoreline Management</i> <i>Trail - Maintain Existing</i>	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 (120-12)* REF. NUMBER: 120-12
SERVICE AREA: Planning and Development Review CATEGORY: One
PROGRAM AREA: Policy Development and Review STAFF LEAD: BURNS, MARY-ANN

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

This policy planning work is required for fulfilling TRCA's roles of public commenting body and regulator as per the Mandatory Programs and Services regulation under the Conservation Authorities Act. This work is informed by the requirements of federal, provincial and municipal legislation and incorporates best practice in integrated watershed management to help guide growth and redevelopment in safe and resilient watersheds. TRCA planners and technical staff provide expertise in the analysis and implications of data and information on prescribed criteria for incorporation into maps of regulated areas. This information is also used by municipalities in their planning document reviews (official plans, zoning by-laws, etc.). Staff participate in provincial, municipal and CA initiatives to help address planning/regulatory issues and trends in watersheds, including identifying streamlining opportunities.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	14,900	14,900	14,900	14,900	14,900	59,600
Peel	53,900	53,900	53,900	53,900	53,900	215,600
Toronto	320,500	320,500	320,500	320,500	320,500	1,282,000
York	110,700	110,700	110,700	110,700	110,700	442,800
Total:	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000

PROGRAM/PROJECT NAME: Regulation and Planning Policy Updates (120-12)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Legislated/Regulatory Process</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Legislated/Regulatory Process</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Policy Review & Response</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Legislated/Regulatory Process</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Policy Review & Response</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Legislated/Regulatory Process</i>	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.

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 (006-01)* REF. NUMBER: 006-01
SERVICE AREA: Corporate Services CATEGORY: One
PROGRAM AREA: Corporate Management and Governance STAFF LEAD: SCHULER, ALEXANDER

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

The Major Facilities Retrofit project was created to undertake the necessary refurbishing and repairs to various TRCA administrative facilities, using green technologies where possible. In order to continue to meet staff needs, funds from this budget are also being allocated to long-term office accommodations. TRCA has identified that existing office accommodation can no longer meet the needs of the organization which has grown in recent years in response to growth in the Greater Toronto Area and new programs approved by the participating municipalities.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	29,800	29,800	29,800	29,800	29,800	119,200
Peel	107,900	107,900	107,900	107,900	107,900	431,600
Toronto	641,000	641,000	641,000	641,000	641,000	2,564,000
York	221,300	221,300	221,300	221,300	221,300	885,200
Total:	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000

PROGRAM/PROJECT NAME: Major Facilities Retrofit Program (006-01)

DELIVERABLES

Category	Deliverable
Property/Built Structures <i>Built Physical Asset</i> <i>Management</i> <i>Maintain Existing - Building</i>	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).
Property/Built Structures <i>Built Physical Asset</i> <i>Management</i> <i>Maintain Existing - Building</i>	Complete repairs to TRCA major facilities/assets as required.

Preliminary

PROGRAM/PROJECT NAME: *Office Accommodation Financing (006-50)* REF. NUMBER: 006-50
SERVICE AREA: Corporate Services CATEGORY: One
PROGRAM AREA: Corporate Management and Governance STAFF LEAD: HAIGHT, TARYNE

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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	42,371	42,371	42,371	42,371	42,371	169,484
Peel	162,829	162,829	162,829	162,829	162,829	651,316
Toronto	962,500	962,500	962,500	962,500	962,500	3,850,000
York	332,300	332,300	332,300	332,300	332,300	1,329,200
Total:	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$6,000,000

PROGRAM/PROJECT NAME: Office Accommodation Financing (006-50)

DELIVERABLES

Category	Deliverable
Property/Built Structures <i>Built Physical Asset</i> <i>Management</i> <i>Maintain Existing - Building</i>	Funding for financing of new administration office.

Preliminary

PROGRAM/PROJECT NAME: *Information Technology Replacement Program (014-01)* REF. NUMBER: 014-01
SERVICE AREA: Corporate Services CATEGORY: One
PROGRAM AREA: Information Infrastructure and Management STAFF LEAD: WENG, KEVVY

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

More than 7,681 hectares (13%) of Peel Region is covered by forest or tree canopy, providing many ecosystem and social benefits, including improving water quality, flood attenuation, lowering temperatures, reducing air pollution, enhancing property values, providing wildlife habitat, facilitating social and educational opportunities, and providing aesthetic benefits. However, land use changes, urban pressures, invasive species, and climate change are negatively impacting the health and ecological functioning of the Region's forests. Proper forest management using best management practices and good science is a key means of protecting these valuable assets and ensuring their ecosystem health and resiliency for a changing climate. Our forest resources have become more fragmented and scattered across Peel region. This program targets Peel Region forest resources within TRCA jurisdiction, and implements the best forest management practices in accordance with the CA Act.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	14,900	14,900	14,900	14,900	14,900	59,600
Peel	53,900	53,900	53,900	53,900	53,900	215,600
Toronto	320,500	320,500	320,500	320,500	320,500	1,282,000
York	110,700	110,700	110,700	110,700	110,700	442,800
Total:	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000

PROGRAM/PROJECT NAME: Information Technology Replacement Program (014-01)

DELIVERABLES

Category	Deliverable
Corporate Services <i>Information Management Services</i>	Deliver the IT Asset Management Program to maintain the lifecycle of TRCA enterprise technology assets through acquisitions, upgrades, replacements.
Corporate Services <i>Information Management Services</i>	Support digital transformation initiatives and developing organizational capabilities to adopt and leverage technologies to improve their operations.

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: *Aquatic Ecosystem Science Program (120-62)* REF. NUMBER: 120-62
SERVICE AREA: Regional Biodiversity CATEGORY: Two
PROGRAM AREA: Ecosystem Management Research and Directions STAFF LEAD: RUPPERT, JONATHAN

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

The Aquatic Ecosystem Science Program delivers integrated, science-based support for aquatic ecosystem management across the TRCA jurisdiction. It connects applied research, monitoring, and technical expertise to watershed and subwatershed planning and implementation. It supports municipal, provincial, and TRCA objectives for water management, aquatic ecosystem health, ecohydrology, biodiversity, and climate change adaptation. It also strengthens watershed-scale and site-level decision-making by providing expert advice, conducting rapid assessments, and producing spatial data layers, and reporting tools that inform planning, design, approvals, and adaptive management. Knowledge is shared through coordinated communications and an online reporting and data hub to ensure timely, accessible, and decision-ready science. Program activities include leading priority research, advising partners, and collaborating with agencies and practitioners to inform watershed management outcomes.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	41,000	42,000	43,000	44,000	45,000	174,000
Peel	41,000	42,000	43,000	44,000	45,000	174,000
Toronto	41,000	42,000	43,000	44,000	45,000	174,000
York	41,000	42,000	43,000	44,000	45,000	174,000
Total:	\$164,000	\$168,000	\$172,000	\$176,000	\$180,000	\$696,000

PROGRAM/PROJECT NAME: Aquatic Ecosystem Science Program (120-62)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Advance the TRCA research agenda to identify major land-use and climate-related stressors to guide strategic resource allocation in support of biodiversity persistence and aquatic ecosystem health. This is implemented through watershed planning, Fisheries Management Plans, and the application of best management practices.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Provide guidance, technical expertise, and expert advice to TRCA teams, municipalities, and partner organizations in the development, refinement, and implementation of strategies, plans, programs, and guidance documents related to aquatic ecosystem science and management (e.g., barrier removal, water resource systems, restoration and watershed planning, land-use planning, Municipal Comprehensive Reviews).
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Support the development and assessment of the TRCA 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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Support the update and implementation of water resource system mapping tools and data layers that provide current science to guide natural resource management. This includes updating policy layers and developing new screening layers, such as seepage areas, springs, and permanent and intermittent streams. These tools assist municipalities in Municipal Comprehensive Reviews, watershed planning, development planning, TRCA's online reporting hub, and related processes

PROGRAM/PROJECT NAME:	Terrestrial Ecosystem Science Program (104-23)	REF. NUMBER:	104-23
SERVICE AREA:	Regional Biodiversity	CATEGORY:	Two
PROGRAM AREA:	Ecosystem Management Research and Directions	STAFF LEAD:	RUPPERT, JONATHAN

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

TRCA is well positioned to coordinate and advance an integrated, science-based approach to natural heritage and green infrastructure planning and management. This position is founded on completion of the Terrestrial Natural Heritage System Strategy (TNHSS), facilitation of watershed planning, and leadership in regional terrestrial and forest science. The Terrestrial Ecosystem Science Program supports watershed-scale and site-level decision-making by providing expert technical advice, conducting rapid site assessments, and producing spatial data layers and indicators that inform planning and implementation. The program evaluates the effectiveness of the TNHSS, advances a prioritized applied research agenda, and supports knowledge management through an online reporting and data hub. Together, these activities ensure decision-ready science to guide policies and investments related to natural heritage, stormwater management, forestry, biodiversity, and watershed planning outcomes.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	41,000	42,000	43,000	44,000	45,000	174,000
Peel	41,000	42,000	43,000	44,000	45,000	174,000
Toronto	41,000	42,000	43,000	44,000	45,000	174,000
York	41,000	42,000	43,000	44,000	45,000	174,000
Total:	\$164,000	\$168,000	\$172,000	\$176,000	\$180,000	\$696,000

PROGRAM/PROJECT NAME: Terrestrial Ecosystem Science Program (104-23)

DELIVERABLES

Category	Deliverable
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Advance the TRCA Research Agenda for terrestrial ecosystems by identifying research needs related to climate and land-use change, engaging partners to share priorities, and fostering collaboration for shared research outcomes. In parallel, continue developing a biodiversity assessment and prioritization approach that identifies major stressors and supports strategic resource allocation for biodiversity persistence, implemented through watershed planning, the TRCA online reporting hub, and best management practices focused on restoration, enhancement, and protection.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Primary Research</i> <i>Research Project</i>	Continue developing ecosystem-service assessments and asset-management guidance across TRCA's jurisdiction to evaluate the benefits provided by green infrastructure. These insights will support strategic resource allocation to ensure green infrastructure is effectively maintained, enhanced, and sustained across the region.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	Provide technical support, expert advice, and guidance to TRCA teams, municipalities, and partner organizations—through analysis, reviews, working groups, and meetings to develop, refine, and implement strategies, plans, programs, and guidelines related to terrestrial ecosystem science and management, including natural heritage, urban forestry, SNAPs, compensation, green infrastructure, ecosystem services, restoration, and land-use and infrastructure planning.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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).

PROGRAM/PROJECT NAME:	<i>Terrestrial Natural Heritage Field Inventory Program (104-22)</i>	REF. NUMBER:	104-22
SERVICE AREA:	Regional Biodiversity	CATEGORY:	Two
PROGRAM AREA:	Biodiversity Monitoring	STAFF LEAD:	HAYES, SUE

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 annually to support TRCA projects and programs, as well as the work of external partners. These inventories provide scientifically defensible and up-to-date information needed to protect terrestrial biodiversity. The resulting datasets are used in a wide range of applications, including planning and development processes, land management, and modeling exercises such as those undertaken by the Terrestrial Natural Heritage Systems Strategy. The goal of this program is to produce relevant, high-quality data on terrestrial natural heritage and to make this information accessible to both internal and external partners.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	72,000	74,000	76,000	78,000	80,000	308,000
Peel	72,000	74,000	76,000	78,000	80,000	308,000
Toronto	72,000	74,000	76,000	78,000	80,000	308,000
York	72,000	74,000	76,000	78,000	80,000	308,000
Total:	\$288,000	\$296,000	\$304,000	\$312,000	\$320,000	\$1,232,000

PROGRAM/PROJECT NAME: Terrestrial Natural Heritage Field Inventory Program (104-22)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring</i> <i>Terrestrial</i> <i>Field Inventories</i> <i>Area</i>	Conduct terrestrial biological inventories (mapping of vegetation communities, vascular plants, breeding birds and amphibians) across TRCA Jurisdiction.
Knowledge Generation and Sharing <i>Product</i> <i>Data consolidation</i> <i>Custom Dataset</i>	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 <i>Product</i> <i>Data consolidation</i> <i>Custom Dataset</i>	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.
Knowledge Generation and Sharing <i>Product</i> <i>Report or Publication</i> <i>Technical Report/Paper</i>	Write seven to ten (7-10) biological inventory and assessment reports and / or technical memos where required.

PROGRAM/PROJECT NAME: *Monitoring for Biodiversity (124-81)*

REF. NUMBER: 124-81

SERVICE AREA: Regional Biodiversity

CATEGORY: Two

PROGRAM AREA: Biodiversity Monitoring

STAFF LEAD: WALLACE, ANGELA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

Category 2 - The Regional Watershed Monitoring Program (RWMP) is an ongoing program developed by TRCA and 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 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 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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	88,000	88,000	91,000	94,000	97,000	370,000
Peel	139,000	139,000	143,000	147,000	151,000	580,000
Toronto	139,000	139,000	143,000	147,000	151,000	580,000
York	98,000	98,000	101,000	104,000	107,000	410,000
Total:	\$464,000	\$464,000	\$478,000	\$492,000	\$506,000	\$1,940,000

PROGRAM/PROJECT NAME: Monitoring for Biodiversity (124-81)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring</i> <i>Benthos</i>	Collect benthic macroinvertebrate community data at up to 125 sites
Natural Environment <i>Environmental Monitoring</i> <i>Aquatic</i>	Collect fish community data at up to 60 sites.
Natural Environment <i>Environmental Monitoring</i> <i>Terrestrial</i>	Collect monitoring data for forest vegetation plots, wetland vegetation plots, forest bird plots, wetland bird plots, and amphibian stations.
Knowledge Generation and Sharing <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 <i>Process - Review, participation, and/or contribution</i> <i>Plan or Strategy</i>	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 Administration <i>General Management</i> <i>General Management</i>	Provide ongoing general project management to the Regional Watershed Monitoring Program including supervision of work planning, budgeting, health and safety, and human resources.

PROGRAM/PROJECT NAME:	<i>Terrestrial Natural Heritage Implementation Program (109-15)</i>	REF. NUMBER:	109-15
SERVICE AREA:	Regional Biodiversity	CATEGORY:	Two
PROGRAM AREA:	Restoration and Regeneration	STAFF LEAD:	MCDONALD, KAREN

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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	39,000	40,000	41,000	42,000	43,000	166,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$39,000	\$40,000	\$41,000	\$42,000	\$43,000	\$166,000

PROGRAM/PROJECT NAME: Terrestrial Natural Heritage Implementation Program (109-15)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Environmental Monitoring</i> <i>Terrestrial</i>	Assess and manage approximately 1 ha of invasive species at a priority site.
Natural Environment <i>Habitat Management and</i> <i>Restoration</i> <i>Assessment</i>	Assess sites managed the previous year to quantify the reduction of the extent and density of the invasive management.
Program/Project Administration <i>Program/Project Management</i> <i>Program Development/Growth</i> <i>Fund/Resource Identification</i>	Identify opportunities to leverage existing funding to enhance/increase deliverables.

PROGRAM/PROJECT NAME: Duffins-Carruthers Fish Management Plan Implementation (109-10)
SERVICE AREA: Regional Biodiversity
PROGRAM AREA: Restoration and Regeneration

REF. NUMBER: 109-10
CATEGORY: Two
STAFF LEAD: STILLE, JOHN

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

Strategic implementation of restoration projects as outlined in the Duffins Creek Fish Management Plan. In partnership with the municipalities and the Ontario Federation of Anglers and Hunters (OFAH) Atlantic Salmon Program, has identified multiple sites within the Duffins watershed where habitat enhancements will occur in support of the management plan. The project work will also continue the implementation of the removal of barriers for fish passage and connectivity. 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. In addition, specific projects aimed at the restoration of fish species at risk throughout the two watersheds. The program will sequentially implement a variety of prioritized habitat projects within the Duffins and Carruthers Creek Watersheds.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	39,000	40,000	41,000	42,000	43,000	166,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$39,000	\$40,000	\$41,000	\$42,000	\$43,000	\$166,000

PROGRAM/PROJECT NAME: Duffins-Carruthers Fish Management Plan Implementation (109-10)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Habitat Management and Restoration Assessment</i> <i>Terrestrial Site - Other Site/Structure Count</i>	Complete 2 Rapid Restoration Assessments on past riparian restoration projects sites to monitor for Key Performance Indicators.
Natural Environment <i>Habitat Management and Restoration</i> <i>Restore/Construct New - Habitat</i> <i>Habitat Creation - Specific</i> <i>Entered Elsewhere</i> <i>Property Count</i>	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.
Program/Project Administration <i>Program/Project Management</i> <i>Program Development/Growth</i> <i>Fund/Resource Identification</i>	Identify and seek opportunities to leverage new partnerships and funding to enhance existing or initiate new projects

PROGRAM/PROJECT NAME: *Duffins Marsh Restoration Program (230-55)* REF. NUMBER: 230-55
SERVICE AREA: Regional Biodiversity CATEGORY: Two
PROGRAM AREA: Restoration and Regeneration STAFF LEAD: MCDONALD, KAREN

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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	39,000	40,000	41,000	42,000	43,000	166,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$39,000	\$40,000	\$41,000	\$42,000	\$43,000	\$166,000

PROGRAM/PROJECT NAME: Duffins Marsh Restoration Program (230-55)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	Manage project to ensure coordination with other initiatives in the area.
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	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. Implement berm repair in Corner Marsh.
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	Plan and implement one habitat structures around Duffins Marsh to provide habitat for at-risk bats and promote biodiversity.
Natural Environment <i>Habitat Management and Restoration</i> <i>Maintain/Protect - Habitat</i>	Research potential grant opportunities to leverage existing funding to increase the deliverables.

PROGRAM/PROJECT NAME: *Seed Crop Collection (190-05)*
SERVICE AREA: Regional Biodiversity
PROGRAM AREA: Restoration and Regeneration

REF. NUMBER: 190-05
CATEGORY: Two
STAFF LEAD: TONINGER, RALPH

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

TRCA staff will conduct field surveys to locate, inventory, and document regional seed sources. Activities include monitoring seed crops, assessing quality, and collecting genetically diverse, bio-regionally appropriate seeds to support the Indigenous Plant Propagation Program. This program supplies essential raw materials to grow native plant species for restoration, rehabilitation, and naturalization projects across the watershed. Using locally adapted seeds improves survival rates, maintains ecological integrity, and strengthens long-term ecosystem resilience.

Since 2001, TRCA has supplied or installed over 6.1 million trees and shrubs and 783,000 aquatic and herbaceous plants across Peel, York, Durham, and Toronto, enhancing habitat and biodiversity. Continued investment will strengthen capacity to meet growing restoration demands and climate change pressures.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
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	18,000	19,000	20,000	21,000	22,000	82,000
Total:	\$51,000	\$52,000	\$53,000	\$54,000	\$55,000	\$214,000

PROGRAM/PROJECT NAME: Seed Crop Collection (190-05)

DELIVERABLES

Category	Deliverable
Natural Environment <i>Habitat Management and Restoration</i> <i>Restore/Construct New - Habitat</i>	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 <i>Habitat Management and Restoration</i> <i>Restore/Construct New - Habitat</i>	Harvest and produce approximately 45,000 propagules from native tree and shrub species for vegetative plant production.
Natural Environment <i>Habitat Management and Restoration</i> <i>Restore/Construct New - Habitat</i>	Increase production and locally collected and source identified stock availability. Nursery staff goal to propagate full seedling target requirements for 13 species.
Natural Environment <i>Habitat Management and Restoration</i> <i>Restore/Construct New - Habitat</i>	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 <i>Habitat Management and Restoration</i> <i>Restore/Construct New - Habitat</i>	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.

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 (225-40)	REF. NUMBER:	225-40
SERVICE AREA:	Tourism and Recreation	CATEGORY:	Two
PROGRAM AREA:	Waterfront Parks	STAFF LEAD:	MARKOVIC, EMILY

MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
1	Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature

DESCRIPTION & RATIONALE

Frenchmans Bay is one of the largest embayment coastal wetlands on the north shore of Lake Ontario and is ecologically significant both locally and regionally. In 2002, TRCA, the City of Pickering and the local community developed a Master Plan for the Rotary Frenchman's Bay West Park that focused on habitat restoration, recreation and defining and delineating park infrastructure. In 2012, the plan was updated and revised to include the new harbour entrance project and the parklands on the east spit. In 2016 the plan proceeded to detailed design and further public consultation for implementation.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	14,000	16,000	18,000	20,000	22,000	76,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$14,000	\$16,000	\$18,000	\$20,000	\$22,000	\$76,000

PROGRAM/PROJECT NAME: Frenchman's Bay Management Plan Program (225-40)

DELIVERABLES

Category	Deliverable
Program/Project Administration <i>General Management</i> <i>General Management</i>	Provide one window TRCA access for municipal staff and elected officials in Ward 1 (Pickering Waterfront) and Participate in the Pickering Waterfront Visionary Advisory Committee.
Program/Project Administration <i>Program/Project Management</i> <i>Program Development/Growth</i> <i>Partnership Development</i>	Provide support 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 <i>Program/Project Management</i> <i>Program Maintenance</i>	Support municipal partners in advancing a resilient shoreline with sustainable recreation opportunities.

PROGRAM/PROJECT NAME: *Durham Valley and Corridor Trails Management and Construction (444-01)*
SERVICE AREA: Tourism and Recreation
PROGRAM AREA: Trails

REF. NUMBER: 444-01
CATEGORY: Two
STAFF LEAD: CHERITON, DEANNA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
1	Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature

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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	22,000	22,000	22,000	22,000	22,000	88,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000	\$88,000

PROGRAM/PROJECT NAME: Durham Valley and Corridor Trails Management and Construction (444-01)

DELIVERABLES

Category	Deliverable
Property/Built Structures <i>Land and Shoreline Management</i> <i>Trail - Construct New</i>	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 (228-70)* REF. NUMBER: 228-70
SERVICE AREA: Tourism and Recreation CATEGORY: Two
PROGRAM AREA: Trails STAFF LEAD: MARKOVIC, EMILY

MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
1	Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature

DESCRIPTION & RATIONALE

This project focuses on improving visitor experience along the Durham portion of the Waterfront Trail. This supports advancement of priorities across Town of Ajax and City of Pickering waterfront parks. Project components are identified in the Ajax Shoreline Improvement Strategy and the City of Pickering Waterfront Report, as well as the Frenchman's Bay Master Plan, and by the internal TRCA team. Improvements include 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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	32,000	32,000	32,000	32,000	32,000	128,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$128,000

PROGRAM/PROJECT NAME: Durham Waterfront Trails Program (228-70)

DELIVERABLES

Category	Deliverable
Program/Project Administration <i>Program/Project Management</i> <i>Program Development/Growth</i>	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.
Program/Project Administration <i>Program/Project Management</i> <i>Program Development/Growth</i>	Provide support to advance delivery of Waterfront Trail Connections at priority locations in consultation with municipal partners and key stakeholders.

Preliminary

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 (126-81)*
SERVICE AREA: Sustainable Communities
PROGRAM AREA: Community Engagement

REF. NUMBER: 126-81
CATEGORY: Two
STAFF LEAD: WILSON, DIANA

MUNICIPAL STRATEGIC PLAN ALIGNMENT

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

DESCRIPTION & RATIONALE

Community Engagement involves the development and delivery of community outreach activities and programs within the south west portion of Durham Region. Activities take place in the Duffins Creek, Carruthers Creek and Petticoat Creek watersheds that include Pickering, Ajax and rural Uxbridge. Our programs cover natural and cultural heritage awareness, homeowner outreach and education, habitat creation and citizen science.

PROPOSED FUNDING

Municipality	Approved 2026	2027	2028	2029	2030	4-Year Forecast
Durham	57,000	58,000	59,000	60,000	61,000	238,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$57,000	\$58,000	\$59,000	\$60,000	\$61,000	\$238,000

PROGRAM/PROJECT NAME: Stewardship (126-81)

DELIVERABLES

Category	Deliverable
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	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.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	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.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	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.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	Deliver 50 hours of program instruction to residents of the Regional Municipality of Durham.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	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.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	Facilitate the development of partnerships that build financial capacity through service level agreements in the Regional Municipality of Durham.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	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.
Stakeholder/Customer Engagement <i>Public Engagement Event/Program</i>	Provide 1,000 learner hours for residents of the Regional Municipality of Durham.

PROGRAM/PROJECT NAME: *Durham Region Consultation and Relations (122-55)* REF. NUMBER: 122-55
SERVICE AREA: Sustainable Communities CATEGORY: Two
PROGRAM AREA: Community Engagement STAFF LEAD: MARKOVIC, EMILY

MUNICIPAL STRATEGIC PLAN ALIGNMENT

Goal #	Goal Description
1	Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature

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 2026	2027	2028	2029	2030	4-Year Forecast
Durham	53,000	54,000	55,000	56,000	57,000	222,000
Peel	-	-	-	-	-	-
Toronto	-	-	-	-	-	-
York	-	-	-	-	-	-
Total:	\$53,000	\$54,000	\$55,000	\$56,000	\$57,000	\$222,000

PROGRAM/PROJECT NAME: Durham Region Consultation and Relations (122-55)

DELIVERABLES

Category	Deliverable
Corporate Services <i>Governance</i> <i>Governance</i>	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.
Program/Project Administration <i>Program/Project Management</i> <i>Program Development/Growth</i>	Provide coordination and engagement support for major projects in Durham Region (e.g., Pickering Ajax Dike, Greenwood Conservation Master Plan).
Stakeholder/Customer Engagement <i>Public Engagement</i> <i>Consultation</i>	Support at least one major partnership building initiative (e.g., MOU or other agreement, joint leadership coordination team).

Preliminary

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