Toronto and Region Conservation Authority Programs and Services Inventory February 2022

Preamble

Toronto and Region Conservation Authority (TRCA) has prepared the following Inventory of Programs and Services to fulfill the requirements laid out in **O. Reg. 687/21: Transition Plans and Agreements for Programs and Services Under Section 21.1.2 of the Act** under the *Conservation Authorities Act* ("Act").

This Inventory outlines the following categories of programs and services offered by TRCA, organized in accordance with the following categories established under the Act:

- Category 1 Mandatory programs and services under Section 21.1
- Category 2 Municipally requested programs and services under Section 21.1.1
- Category 3 Other programs and services under section 21.1.2

The Inventory includes the following components:

- This Preamble, which outlines the purpose of the Inventory, the components of the Inventory, and additional information to guide the review and use of the Inventory;
- An overview of each of TRCA's Service Areas and associated Program Areas;
- The categorization of TRCA Service Areas and Program Areas into the categories outlined above, including rationale and additional details, as needed.

Active TRCA accounts are largely the basis for this Inventory; however, this Inventory also reflects services that TRCA has previously, and will likely provide again, to participating municipalities, other municipalities and other public and private sector partners.

TRCA anticipates that its implementation of the amendments to the Act will primarily be through the existing budget process with participating municipalities, using the levy for mandatory services, and Memorandums of Understanding (MOUs) and Service Level Agreements (SLAs) with both participating municipalities and other municipalities for non-mandatory, municipally requested services. TRCA does not anticipate a need to use cost apportioning agreements because all service agreements with participating municipalities for non-mandatory services will be for municipally requested services.

The following is anticipated as the funding mechanism under the Act for each of the categories:

Category 1:

• Levy based on participating municipality budget: Status quo for mandatory services included in the participating municipality approved budget.

Category 2:

 MOU based on participating municipality budget: Modified status quo for municipally requested services that are currently included in the levy (i.e., services are approved through the participating municipality budget process, but are not

- officially included in what is referred to as the levy, instead the mechanism would be a simple MOU referring to the municipality requested services that are included in the participating municipality budget).
- SLAs with participating municipalities, negotiated outside of the participating
 municipality budget process: Status quo for municipally requested services that
 are currently included in service agreements; there will continue to be agreements
 with participating municipalities for requested services. These agreements will take
 the form of umbrella or master services agreements, with specific projects
 implemented through standard letter agreements or purchase orders.
- SLAs and MOUs with municipalities that are not participating municipalities:
 Status quo for municipally requested services that are currently included in service agreements; there will continue to be agreements with municipalities for requested services. These agreements will take the form of umbrella or master services agreements, with specific projects implemented through standard letter agreements or purchase orders.

Category 3:

- Cost apportioning agreement with participating municipality and added to levy in accordance with the terms of the cost apportioning agreement: No current examples, not anticipated to arise for TRCA.
- SLAs and other agreements with non-municipal public and private sector partners: Status quo for service agreements with non-municipal entities (e.g., agreements with Metrolinx and Hydro One, federal funding agreements for restoration and naturalization works, service agreements for erosion works on private properties under eligible programs).

This Inventory will provide the basis for discussions with participating municipalities for the provision of municipally-requested programs and services. This Inventory is currently in a draft format and may be adjusted based on input from participating municipalities.

TRCA's annual revenue has grown over 60% in the past five years and continues to increase due to the wealth of programs and services that we complete on behalf of our partner municipalities. As such, a five-year average would not provide the best information available for our stakeholders.

In its place, TRCA has created a financial breakdown of our 2020 audited financial statements (2020), by revenue source for each program and service within our service area groupings. In addition to this document, TRCA has been meeting with our municipal partners to discuss the category mapping exercise outlined above and the anticipated impacts on their municipal budget process, to ensure that the roadmap to adhering to the province's 2024 deadline is well-defined.

TRCA Service Areas Including Categorization of Programs and Services



TRCA Service Areas

TRCA projects and programs are organized according to nine Service Areas:



















Watershed Studies and Strategies Water Risk Management Regional Biodiversity

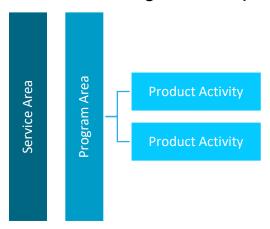
Greenspace Securement and Management Tourism and Recreation

Planning and Development Review Education and Outreach

Sustainable Communities

Corporate Services

• TRCA Service Areas are further broken down into Program Areas and Product Activities. The structure of each Service Area is outlined following the below structure throughout this presentation:

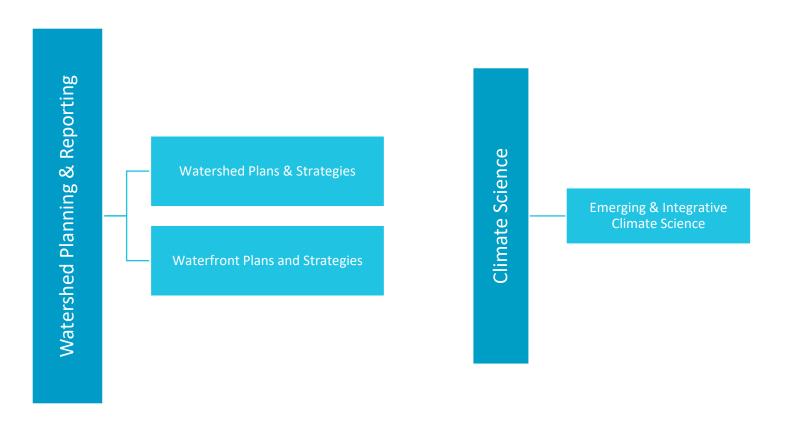






Watershed Studies and Strategies

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.



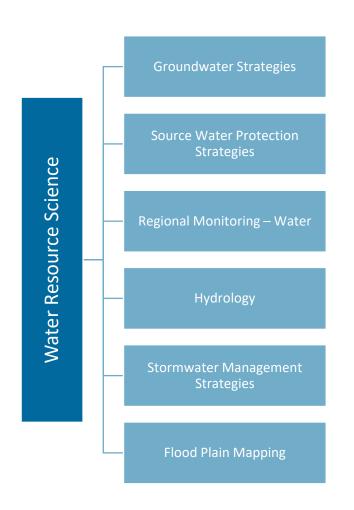


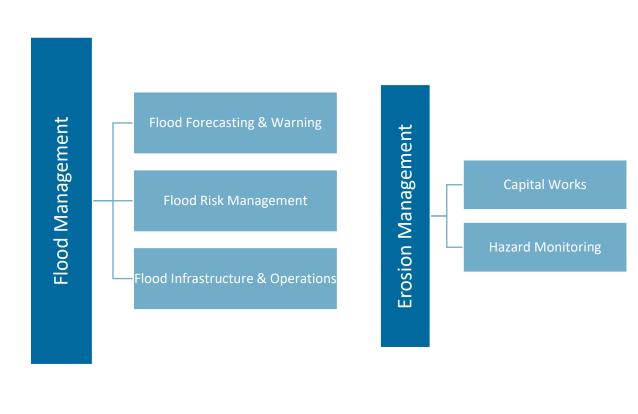




Water Risk Management

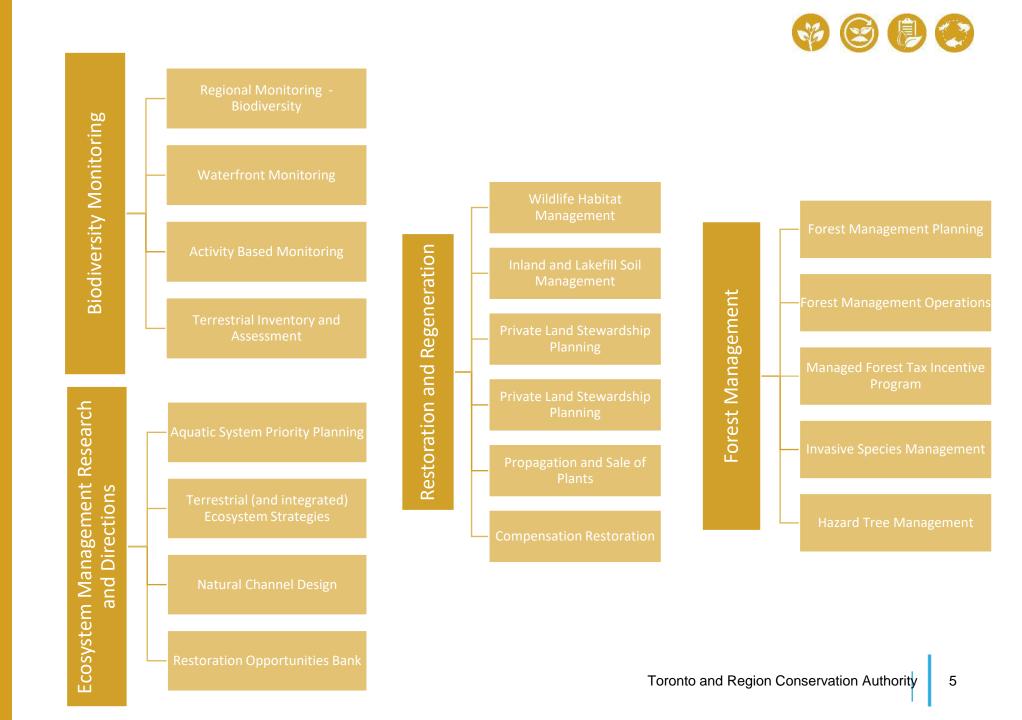
The strategic management of water resources, based on physical sciences and applied engineering (hydrology, hydraulics, fluvial geomorphology, hydrogeology and environmental science) through an understanding of water's natural processes, features and functions within the urban landscape. Core activities 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.





Regional Biodiversity

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 wellbeing.



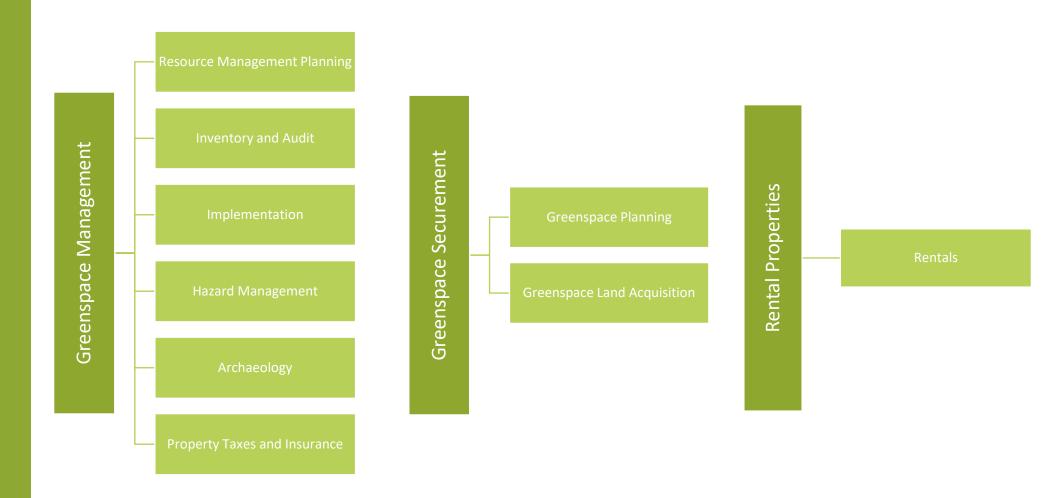






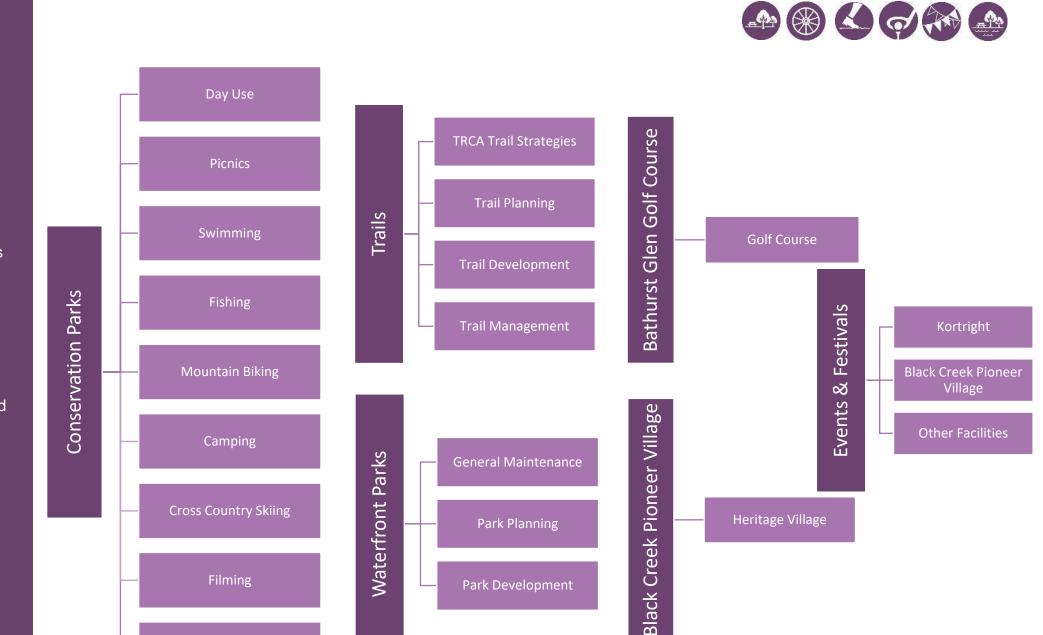
Greenspace Securement and Management

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.



Tourism and Recreation

Provides memorable experiences for guests in nature-based settings, which make positive contributions to community health and wellbeing, 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.



Park Development

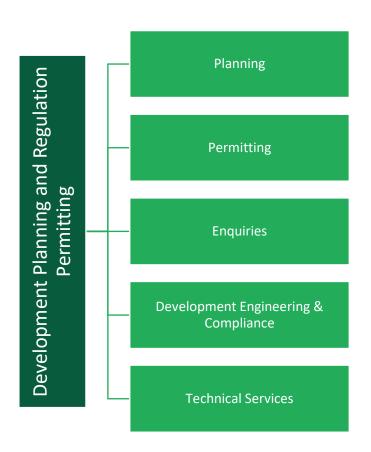


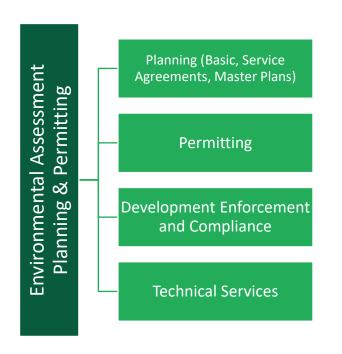


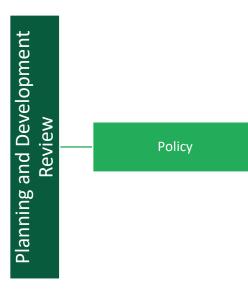


Planning and Development Review

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 decisionmaking guides growth, redevelopment, revitalization and intensification throughout TRCA's jurisdiction.







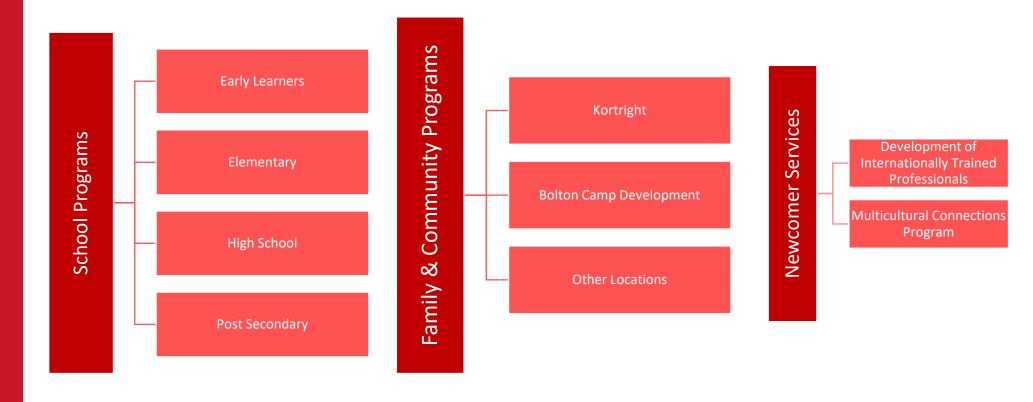
Education and Outreach

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











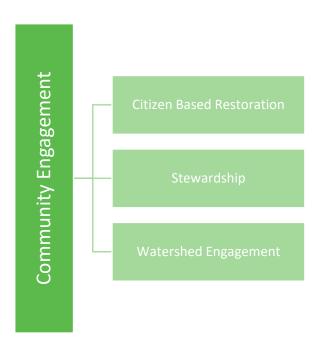




Sustainable Communities

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.





Corporate Services

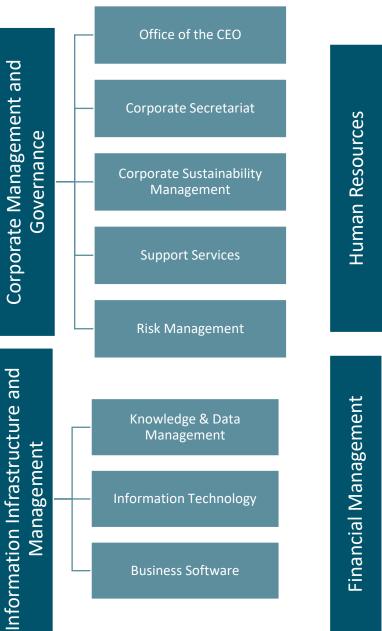
Includes financial, administrative and technical services that enable TRCA staff to develop new capacity to efficiently and effectively deliver service area objectives.

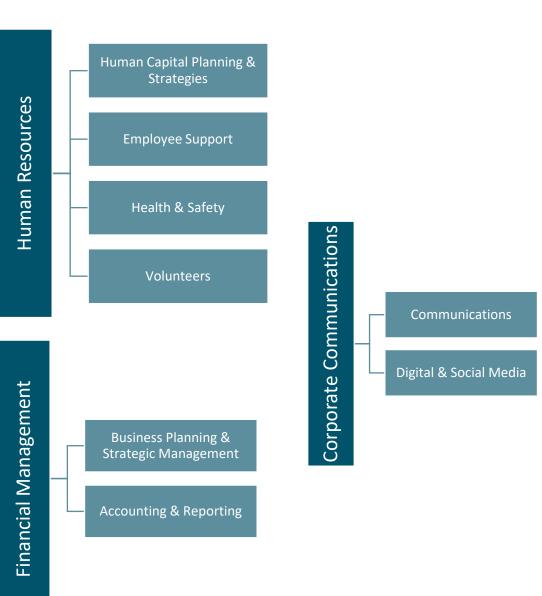














TRCA PRODUCT MAP			Draft CA Act Classification of Programs and Services		
Service Area	Program	Product Activity	Category 1 - Mandatory Ontario Regulation 686/21	Category 2 - Municipal Request	Category 3 - Other determined advisable to further the purposes of the Act
Watersh	ed Studies and Strategi	ies			
areas inclu		TRCA watersheds and Lake Ontario waterfi	rated watershed policy development and tech ront, analysis of the impacts of urban growth a		· · · · · · · · · · · · · · · · · · ·
	Watershed Planning and Reporting		Section 12(1)3 - Watershed-based Resource Management Atrategy - required by December 31, 2024		
		Watershed Plans and Strategies	Section 12(4) - Technical studies, monitoring programs, other information on natural resources that directly informs and supports mandatory programs and services; e.g. components of watershed plans related to risk of natural hazards	Municipal Requests for watershed plans and subwatershed studies to fulfill Provincial Plan requirements	Private grants e.g. for projects involving watershed plans and strategies
		Waterfront Plans and Strategies	Section 12(4) - Technical studies, monitoring programs, other information on natural resources that directly informs and supports mandatory programs and services; e.g. components of watershed plans related to risk of natural hazards	Municipal Requests for watershed plans and subwatershed studies to fulfil Provincial Plan requirements	Third party requests for projects involving waterfront plans and strategies
	Climate Science				
		Emerging and Integrative Climate Science	Section 1(3) - Study the potential effects of climate change on natural hazards	Municipal Requests for climate change studies	Fee for service work for other stakeholders
Water Ri	sk Management				
an underst technologie	anding of water's natural process for modeling and flood fore	cesses, features and functions within the urb ecasting; hazard management of erosion site	ences and applied engineering (hydrology, hydrology), hydran landscape. Core activities include environes, unstable slopes and flood vulnerable areas Lake Ontario and all of the processes in betw	mental and hydrometric monitoring an s. These activities are critical to reduci	d research; developing state of the science
	Water Resource Science				
		Groundwater Strategies	Section (1) and Section (12)Technical studies related to groundwater		
		Source Water Protection Strategies	Section 13 -Toronto Region Source Protection Authority Functions of CTC SPR under the Clean Water Act		
		Regional Monitoring - Water	Sections 1, 3 and 12 - Collection and study of technical information related to risk of natural hazards, Provincial monitoring programs		

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		Hydrology	Section 1(3)-Technical studies related to natural hazards		
		Stormwater Management Strategies		Municipal Request - e.g. stormwater management maintenance	
		Flood Plain Mapping	Section 1 - Mapping natural (flood) hazards		
	Flood Management	Activity required by O. Reg. 686/21	Section 5(2) - Operational Plans and Asset Management Plans - required by December 31, 2024		
		Flood Forecasting and Warning	Section 2 -Programs and services to support functions and responsibilities related to flood forecasting and warning		
		Flood Risk Management	Section 1 -Technical studies to identify flood risk, analysis, and assessment of remedial	Municipal Request (e.g., to implement flood remediation municipal capital works)	Fee for Service, Other Agreement
		Flood Infrastructure and Operations	Section 5(1) - Operation and maintenance of TRCA dams and flood control structures		
	Erosion Management	Activity required by O. Reg. 686/21	Section 5(2) - Operational Plans and Asset Management Plans - required by December 31, 2024		
		Capital Works	Section 1, 5, 9 and 10 - Component of program on TRCA property, risk of natural hazards, infrastructure, conservation and management of lands	Municipal Request	Fee for Service, Other Agreement
		Hazard Monitoring	Section 1 and 5 - Inspection and monitoring of erosion hazard sites and infrastructure hazards		
Regiona	l Biodiversity				
This service of ecologic	ce area includes programs, p	trends, ecosystem planning and research, h	omprehensive and integrated approach to reg abitat restoration and regeneration, and mana		
	Ecosystem Management Research and Directions				
		Aquatic System Priority Planning	Section 1 and 12 - for elements related to risk of natural hazards or watershed plans/strategies	Municipal Request (e.g., inform natural heritage system planning)	
		Terrestrial (and Integrated) Ecosystem Strategies	Section 1 and 12 - for elements related to risk of natural hazards or watershed plans/strategies	Municipal Request (e.g., inform natural heritage system planning)	

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		Natural Channel Design		Municipal Request	
		Restoration Opportunities Bank		Municipal Request	Fee for Service, Other Agreement (e.g. special projects through compensation agreement)
	Biodiversity Monitoring				
		Regional Monitoring - Biodiversity	Section 1 and 12 - for elements related to risk of natural hazards or watershed plans/strategies	Municipal Request	
		Waterfront Monitoring		Municipal Request	Fee for Service, Other Agreement
		Activity Based Monitoring		Municipal Request	Fee for Service, Other Agreement
			Section 1, 9 and 10 - management of natural hazards; includes terrestrial monitoring on TRCA property	Municipal Request	
	Restoration and Regeneration				
		Watershed Restoration		Municipal Request	
		Snoreline Restoration	Sections 1, 9 and 10 - for natural hazard management or direction through Conservation Area Strategy on TRCA property	Municipal Request	
		Wetlands	Sections 1, 9 and 10 for natural hazard	Municipal Request	
		Riparian and Flood Plain Restoration	Sections 1, 9 and 10 for natural hazard	Municipal Request	Fee for Service, Other Agreement
		Natural Channel and Stream Restoration	Sections, 1, 9 and 10 for natural hazard	Municipal Request	Fee for Service, Other Agreement
		Terrestrial Planting		Municipal Request	Fee for Service, Other Agreement
		Wildlife Habitat Management		Municipal Request	Fee for Service, Other Agreement
		Inland and Lakefill Soil Management		Municipal Request	Fee for Service, Other Agreement
		Private Land Stewardship Planning			Fee for Service, Other Agreement
		Propagation and Sale of Plants			User Pay
		Compensation Restoration			Fee for Service, Other Agreement
	Forest Management	Forest Management Planning	Sections 9 and 10 - Conservation Area Strategy for TRCA property		

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		Forest Management Operations	Sections 9 and 10 - Conservation Area Strategy for TRCA property	Municipal Request	
		Managed Forest Tax Incentive Planning	Included in operating levy; required to support TRCA programs and services		
		Invasive Species Management	Sections 9 and 10 - Conservation Area Strategy for TRCA property	Municipal Request	
		Hazard Tree Management	Sections 9 and 10 - Conservation Area Strategy for TRCA property (that is not under management agreement)	Municipal Request	
Greenspa	ce Securement and I	Management		<u> </u>	•

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 Securemen	Activity required by O. Reg. 686/21	Sections 9, 10 and 11 - Conservation Area Strategy required by December 31, 2024 and Land Inventory required by January 1, 2024		
	Greenspace Planning	Sections 9, 10 and 11 - Conservation and management of lands owned or controlled by TRCA		
	Greenspace Land Acquisition	Sections 9, 10 and 11 - Conservation and management of lands owned by TRCA	Municipal Request	Other Agreement (e.g., private donation)
Greenspace Manageme	Activity required by O. Reg. 686/21	Section 10 - Conservation Area Strategy required by December 31, 2024		
	Resource Management Planning	Sections 9 and 10 -Components as identified in Conservation Area Strategy		
	Inventory and Audit	Section 11 - Land Inventory required by December 31, 2024 and ongoing maintenance of inventory of TRCA owned land		
	Implementation	Sections 9 and 10 as outlined in Conservation Area Strategy	Municipal Request (e.g., new infrastructure on TRCA lands adjacent to municipal lands)	Other Agreement (e.g., private donation)
	Hazard Management	Sections 9 and 10 - on TRCA owned lands		
	Archaeology	Mandatory when clearance is tied to activity on TRCA owned lands	Municipal Request	Fee for Service, Other agreement
	Property Taxes and Insurance	Included in operating levy; required to support TRCA programs and services		
Rental Properties				
	Rentals	Ontario Heritage Act Designation on TRCA Buildings - e.g., Bruce's Mill		Fee for Service, Other Agreement (e.g., land license to use TRCA facilities)

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Tourism	and Recreation				
partner mu	ınicipalities. Programs include		ings, which make positive contributions to comb ent of conservation parks and recreation facil gs.		=
	Conservation Parks				
		Day Use			User Pay
·		Picnics			User Pay
		Swimming			User Pay
		Fishing			User Pay
		Mountain Biking			User Pay
		Camping			User Pay
		Cross Country Skiing			User Pay
		Filming			User Pay
		Park Development			User Pay
	Waterfront Parks				
		General Maintenance			User Pay
		Park Planning			User Pay
		Park Development			User Pay
		Arsenal Lands			User Pay
	Trails				
		TRCA Trail Strategies			Other Agreement
		Trail Planning	Section 9(2) land management and securement, public access and passive trails	Municipal Request	Fee for Service
		Trail Development	Section 9(2) public access and passive trails	Municipal Request	Fee for Service
		Trail Management	Section 9(2) land management and securement, public access and passive trails	Municipal Request	Fee for Service
	Black Creek Pioneer Village				
		Heritage Village	Section 9(2) land management and securement	Municipal Request	User Pay
	Bathurst Glen Golf Course				
			Sections 9 and 10, Conservation Areas Strategy on TRCA owned or managed land.		User Pay, Other Agreement (with the Province)
	Events and Festivals				
		Kortright			Fee for Service
		Black Creek Pioneer Village			Fee for Service

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Service Area	Program	Product Activity	Category 1 - Mandatory Ontario Regulation 686/21	Category 2 - Municipal Request	Category 3 - Other determined advisable to further the purposes of the Act
		Other Facilities			Fee for Service
	Wedding and Corporate				
	Events				
		Kortright			Fee for Service
		Black Creek Pioneer Village			Fee for Service
		Other Facilities			Fee for Service
Planning	and Development Review	w			

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				
	Policy	Sections 1, 7 and 8 - Policy development, input and technical information: municipal planning documents (MCR, Official Plans, Zoning By-laws, etc.) related to risks of natural hazards and per delegated provincial interest, Special Policy Area reviews, TRCA policies, Section 28 regulation mapping annual updates		
Development Planning and				
Regulation Permitting				
	Planning	Sections 6 and 7 - Plan Input and review related to natural hazards - Planning Act and Provincial Plans	MOU for technical advice and expertise beyond regulatory requirements (e.g., natural heritage)	
	Permitting	Section 8 - Administering Section 28 of Act	l l l l l l l l l l l l l l l l l l l	
	Enquiries	Sections 1 7 and 8 Polated to natural		
	Development Enforcement and Compliance	Section 8 - Enforcing Section 28 the Act		
		Sections 6, 7 and 9 - Technical information and expertise related to risk of natural hazards	MOU for technical expertise beyond regulatory requirements (e.g., natural heritage)	
Environmental Assessment Planning and Permitting				
		Section 6 -Reviews under the Environmental Assessment related to natural hazards	Municipal Service Level Agreements	Other Agreement (e.g., Metrolinx, Enbridge)
	Permitting	Section 8- Administering Section 28 of Act	Municipal Service Level Agreements	Other Agreement (e.g., Metrolinx, Enbridge)

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		Development Enforcement and Compliance	Section 8 - Enforcing Section 28 the Act		
		Technical Services	Sections 8 and 6 - Technical Information and expertise related to risk of natural hazards	Municipal Service Level Agreements	Other Agreement (e.g., Metrolinx, Enbridge)
Education	n and Outreach				
sectors, ar	d engage the broader popu	oport municipal and provincial objectives for e lation to become active in developing healthy ation centres, academic institutions and in the	, sustainable communities. Formal and non-fo		
	School Programs				
		Early Learners			Fee for Service, Other Agreement
		Elementary		Municipal upon request	Fee for Service, Other Agreement
		High School			Fee for Service, Other Agreement
	Family and Community Programs	Post Secondary			Fee for Service, Other Agreement
	3	Kortright			Fee for Service
		Bolton Camp Development			Fee for Service
		Other Locations			Fee for Service
	Newcomer Employment and Education				
		Development of Internationally Trained Professionals			Fee for Service, Third Party Agreement
		Multicultural Connections Program			Fee for Service, Third Party Agreement
his servic ffectivene missions)	ss and impact of programs. , awareness of and need fo	efforts to create sustainable communities. Proj The scope of the service area is broad, enco r adaptation to climate change, catalyzing the to foster a caring and involved citizenry.	mpassing programs that address neighbourh	ood and sector specific eco- efficiencie	s (water, energy, waste and GHG
	Living City Transition Program				
		Sustainable Neighbourhoods		Municipal requests for SNAP	Fee for Service, Third Party Agreement
		Community Transformation			Fee for Service, Third Party Agreement
		Partners in Project Green			Fee for Service, Third Party Agreement
		Urban Agriculture		Municipal Request	Fee for Service, Third Party Agreement
		Sustainable Technology Evaluation Program		Municipal Request	Fee for Service, Third Party Agreement
		Climate Consortium			Fee for Service, Third Party Agreement

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	Community Engagement				
		Citizen Based Regeneration		Municipal Request	Fee for Service, Third Party Agreement
		Stewardship			Fee for Service, Third Party Agreement
		Watershed Engagement			Fee for Service, Third Party Agreement
	Social Enterprise Development				, , , , , , , , , , , , , , , , , , , ,
		Social Enterprise			Fee for Service, Third Party Agreement
•	te Services Services include financial, adı	ministrative and technical services that enab	ble TRCA staff to develop new capacity to e	efficiently and effectively deliver service	area objectives.
	Corporate Management and Governance		Included in operating levy; required to support TRCA programs and services		
	Financial Management		Included in operating levy; required to support TRCA programs and services		
	Human Resources		Included in operating levy; required to support TRCA programs and services		
	Corporate Communications		Included in operating levy; required to support TRCA programs and services		
	Information Infrastructure and Management		Included in operating levy; required to support TRCA programs and services		