

Attachment 5: TRCA's 2024 List of Unfunded Priorities - Durham

Potential Funding Type

Project	Score	Partner Municipality	Grant	Operational	Region	Service Area	Submitted by:	Description	10 Year Projected Cost (\$000's)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Legacy Dam Decommissioning - Secord Dam and Osler Dam	A	Y	Y	N	Durham	2	Development & Engineering Services	TRCA owns two historical/legacy dams (Secord Dam, Osler Dam) that do not meet current dam safety requirements. Their age and construction make it impossible, both technically and financially, to upgrade the dams. Because of the risk posed by these structures, the dams should be removed.	2,400	500	500	700	700	-	-	-	-	-	-
Pickering and Ajax Dyke Detailed Design	A	Y	Y	N	Durham	2	Development & Engineering Services	Building on the results from the 2020 Pickering and Ajax Dyke Restoration EA, TRCA intends to undertake the detailed design process for the implementation of preferred restoration alternatives, which includes complete dyke reconstruction. Once completed the reconstructed dykes will provide an increased level of flood protection and meet all current engineering design criteria and standards.	600	300	300	-	-	-	-	-	-	-	-
Pickering Dyke Construction	A	Y	Y	N	Durham	2	Development & Engineering Services	Implementation of the preferred restoration plan for the Pickering Dyke. Implementation includes finalizing construction phasing and methodology, implementation of sediment and erosion control plan, further communication with affected residences, construction activities and site restoration.	10,000	-	-	-	-	5,000	5,000	-	-	-	-
Ajax Dyke Construction	A	Y	Y	N	Durham	2	Development & Engineering Services	Implementation of the preferred restoration plan for the Ajax Dyke. Implementation includes finalizing construction phasing and methodology, implementation of sediment and erosion control plan, further communication with affected residences, construction activities and site restoration.	5,100	500	-	-	-	2,300	2,300	-	-	-	-
Hydrometric Network Expansions - Infrastructure	A	Y	Y	N	All	2	Development & Engineering Services	TRCA operates a network of real-time and non-real-time hydrometric gauges. TRCA requires that the non-real-time gauges be converted to real-time as well as install flood warning gauges in flood vulnerable areas to increase the ability of TRCA to forecast and provide warning when flood conditions are present. Increasing the density of real-time gauges reduces the chance that smaller convective storms are "missed". Additionally, increased density of real-time hydrometric data will assist TRCA in maintaining the early warning flood warning system (FEWS) now under development.	470	70	100	100	100	100	-	-	-	-	-
Greenlands Acquisition Project	B	Y	Y	N	All	4	Corporate Services	TRCA has a legislated mandate to conserve, restore, develop and manage natural resources. TRCA will continue to acquire greenspace through the development process with a goal of protecting the watersheds and communities from flood risk while keeping pace with urbanization and population growth. The identified budget would enable TRCA to strategically acquire properties outside of the planning conveyance process on a proactive basis.	33,250	3,325	3,325	3,325	3,325	3,325	3,325	3,325	3,325	3,325	3,325
Flood Forecasting and Warning Modernization	B	Y	Y	N	All	2	Development & Engineering Services	Flood Forecasting and Warning is a service TRCA provides for all regional and local municipalities. TRCA understands the importance of situational awareness when considering the potential magnitude of flood events and size of its jurisdiction. The development of a EOC dashboard will provide TRCA staff the ability to track and document staff location, flood response resources, and site specific flood conditions for a jurisdictional wide, coordinated, flood response. TRCA has initiated the development of our Next Generation Flood Forecasting and Warning System which is being built around the FEWS decision support system (DSS). Further investments will accelerate the system development providing additional monitoring and reporting capabilities which will further streamline TRCA's flood forecasting and warning program, and take advantage of modern real-time hydrology modelling.	580	58	185	172	45	20	20	20	20	20	20
Targeted Flood Vulnerable Cluster Outreach	B	Y	N	N	All	2	Development & Engineering Services	TRCA's Flood Risk Public Awareness and Education Program was launched in 2018 and included two broad program areas; disseminate information on flood risk and current risk reduction initiatives to municipal partners, and to jointly deliver (together with municipal partners) risk information to flood vulnerable neighbourhoods. Initially the program targeted the highest ranked flood risk communities within each partner municipality. TRCA intends to expand the program through the development of digital flood risk materials for additional flood vulnerable areas including strategic social media campaigns and promotional mailing to promote contact-less flood risk packages.	60	-	-	60	-	-	-	-	-	-	-
Financial Management System Modernization	B	N	N	Y	All	4	Corporate Services	The goal of this project is to source an integrated software platform to provide a comprehensive set of online services for financial accounting and reporting functions. The system will provide direct integration to key business systems to streamline interactions across financial and operational functions, and will include general accounting and controls; financial and legislative reporting; procurement; billing and receivables; capital assets and WIP; budget management and forecasting; and workflow approvals and controls.	3,770	800	990	990	990	-	-	-	-	-	-
Pay-for-parking - Durham Region Passive Lands	B	Y	N	N	Durham	5	Conservation Parks & Lands	Install and enforce pay-for-parking services at passive use lands, including parking lots at Altona Forest (1), Greenwood Conservation Lands (1), East Durham Headwaters (3) and Secord Forest and Wildlife Area (1), to generate additional revenues that can be allocated to state of good repair needs and visitor amenity initiatives within passive use properties.	420	420	-	-	-	-	-	-	-	-	-

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Waterfront Integrated Restoration Prioritization (WIRP)	B	Y	Y	N	Toronto & Durham	5	Restoration & Infrastructure	The Waterfront Integrated Restoration Prioritization (WIRP) Strategy is being completed in 2024, and strategically targets restoration activities across the Toronto Waterfront. The strategy lays out a 10-year workplan to address ecological impairments and prioritizes restoration projects along the Toronto waterfront. Projects contribute to the Remedial Action Plan delisting targets for the Toronto Area of Concern pertaining to Beneficial Use Impairment (BUI) 14 "Loss of Fish and Wildlife Habitat" and BUI 3 "Degradation of Fish and Wildlife Populations". In 2024 Priority Project planning an implementation will begin and the planning framework will be extended across the Durham waterfront. The following years will target the annual implementation of priority waterfront restoration projects.	10,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Planting for Climate Change Mitigation and Adaptation	B	Y	Y	N	All	3	Restoration & Infrastructure	Undertake targeted tree and shrub planting on public and private lands to address climate change mitigation and adaptation using a suite of techniques included traditional and enhanced reforestation.	1,375	75	100	100	125	125	150	150	175	175	200	
Laserfiche Upgrade and License Migration	B	N	N	Y	All	9	Corporate Services	Upgrade of TRCA's Laserfiche ECM (Enterprise Content Management) to the latest version in order to maintain the system on a vendor supported release to ensure the continued management of TRCA's critical business records. The upgraded system will also enable TRCA access the latest system features, provide improved information security and user experience, enhanced integration with other technologies, and better performance and scalability.	328	184	16	16	16	16	16	16	16	16	16	
Durham Conservation Lands Trail State of Good Repair Program	B	Y	Y	Y	Durham	5	Conservation Parks & Lands	The projects in this program will allow existing trails to be remain open and operated safely. It will ensure safe trail usage and avoid high risk of liability against TRCA by addressing the infrastructure deficiencies on TRCA-managed trails. The projects will improve the state of trails and wayfinding signage in the East and West Duffins Headwaters in Uxbridge, Altona Forest in Pickering, and Greenwood Conservation Lands in Ajax and Pickering.	1,750	150	150	150	150	150	200	200	200	200	200	
Atlassian (JIRA) Cloud Migration and Service Desk Consolidation	B	N	N	Y	All	9	Corporate Services	Upgrade and migration of the Atlassian Jira Service Desk platform to the Atlassian Cloud infrastructure to enable the deployment of an integrated Enterprise Service Desk solution for TRCA. The upgraded system will also enable TRCA to access the latest system features, provide improved information security and user experience, enhanced integration with other technologies, and better performance and scalability.	67	67	-	-	-	-	-	-	-	-	-	
TRCA Debris Management Response Program	C	Y	N	Y	All	2	Development & Engineering Services	TRCA owns and manages hundreds of kilometres of natural watercourses throughout the jurisdiction. The urbanization of the areas surrounding these rivers has greatly increased the accumulation of debris in channels that can pose a risk to the community and environment because of increased flooding, erosion, impeded navigation and blockages to migrating fish. TRCA requires a response program be implemented to be able to assess, document, track and mitigate these debris blockages. The program would require the creation of an intake system for requests, GIS field tools with database, staff time for evaluation and mitigation.	1,000	100	100	100	100	100	100	100	100	100	100	100
Software Deployment Management Software	C	N	N	Y	All	9	Corporate Services	Acquisition and implementation of a Software Deployment Management Software platform to manage the installation and management of business software applications on all end user computing devices across TRCA. The use of software deployment management software will provide increased operational and security control of end-user devices, increased customer service, and operational efficiencies through the elimination of redundant staff time to physically manage devices.	700	70	70	70	70	70	70	70	70	70	70	
Health and Safety Management System	C	N	N	Y	All	9	Corporate Services	The Health and Safety Management System (HSMS) will streamline all Health and Safety documentation, needs and investigation into one program. The HSMS will encompass all Health and Safety forms being utilized across all business units. The ideal system will also have the ability to track, manage and implement corrective actions for workplace safety inspections, incidents, statistics, meetings, WSIB management and more.	500	50	50	50	50	50	50	50	50	50	50	
Durham Region Shoreline Risk Assessment	C	Y	Y	N	Durham	2	Restoration & Infrastructure	Assessment of shoreline hazards across the Durham waterfront (Ajax/Pickering) to inform planned improvements and identify deficiencies with existing structures. This assessment will result in an integrated shoreline management plan that will determine needs, guide priorities and inform methodology of remedial erosion protection.	800	100	100	300	300	-	-	-	-	-	-	
Claremont Infrastructure	C	N	N	Y	Durham	9	Conservation Parks & Lands	Infrastructure repair and upgrades to Claremont Conservation Park including field centre (substructure, services, shell, equipment); maintenance shop (services, shell, interiors); site infrastructure (paving not covered by CCRF, transformer, etc.).	974	629	345	-	-	-	-	-	-	-	-	

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Petticoat Creek Infrastructure	C	N	N	Y	Durham	9	Conservation Parks & Lands	Infrastructure repair and upgrades to Petticoat Creek Conservation Park including lifeguard office (shell, services); pool complex (1.1M decommission, 3M new); site infrastructure (paving not covered by CCRF, services).	5,087	4,436	651	-	-	-	-	-	-	-	-
Redevelopment of 805-809 St. Martins	C	N	N	Y	All	4	Corporate Services	805/809 St Martins are two lots within the City of Pickering. TRCA's Board of Directors has listed them as surplus and support the redevelopment potential into higher use lots prior to divesting.	250	250	-	-	-	-	-	-	-	-	-
Trail Strategy Implementation - Durham	C	Y	Y	Y	Durham	5	Restoration & Infrastructure	The delivery of trail connection projects as prioritized through the Trail Strategy for the Greater Toronto Region will facilitate safe access to public access to greenspace.	2,000	200	200	200	200	200	200	200	200	200	200
Erosion Monitoring and Maintenance Program - Durham	C	Y	Y	N	Durham	2	Restoration & Infrastructure	The primary objective of the program is to identify erosion hazard sites within Durham Region that pose a risk to public safety, an essential structure, or municipal/regional infrastructure. This information will then be used to determine the priority ranking for all hazard sites and provide recommendations on maintenance and remedial works.	1,375	50	125	425	425	350	-	-	-	-	-
Petticoat Creek Infrastructure - Aquatic Facility	C	Y	Y	Y	Durham	5	Conservation Parks & Lands	The current facility is at end of life and requires either total replacement or decommissioning to allow site to be used for other purposes. Projected costs = \$1-5M depending on action taken.	1,000	100	900	-	-	-	-	-	-	-	-
Restoration Projects that support Atlantic Salmon Recovery in Durham	C	Y	Y	N	Durham	3	Restoration & Infrastructure	Restoration project implementation that directly supports the Atlantic Salmon Recovery Program in the Duffins Watershed. In partnership with the Ontario Federation of Anglers and Hunters and the MNR, priority stream projects identified in the Atlantic Salmon Restoration Plan will be implemented. Future Priority Projects include: Coug's Barrier Removal Project; Annandale Former Golf Course Restoration Project.	1,490	200	300	200	100	110	110	110	120	120	120
Restoration Projects Targeting Climate Change Action - Durham	C	Y	Y	N	Durham	3	Restoration & Infrastructure	Using Data sets such as Integrated Restoration Prioritization, Restoration Opportunities Database, Climate Change Vulnerability, TRCA's existing Regional Watershed Monitoring Program data, and Flood Vulnerability, areas will be targeted for restoration that directly mitigate for and provides resiliency from the impacts of climate change. Project specific to Climate Change Action include wetlands for flood mitigation and water quality; riparian plantings to reduce in-stream temperatures and bank stability; Planting for carbon sequestration and tree replacement for vegetation community shifts. Future Priority Projects include: 2 Brocklands Wetland Projects; Brogham Creek Conc 5 Stream Restoration Project benefitting Redside Dace; Seaton Lands Site 10 Wetland Restoration Project.	1,390	200	200	200	100	110	110	110	120	120	120
Watershed Planning and Reporting	C	Y	N	N	All	1	Development & Engineering Services	The Watershed Planning & Reporting (WPR) team currently has resources allowing for one watershed plan to be underway in any given year, taking a total of about 4 years to complete each plan. Current resources limit the opportunities to include a fulsome climate change technical analysis, limit meaningful engagement with stakeholders and public, restrict provision of implementation facilitation support and long term tracking and reporting on watershed plan implementation. The enhanced WPR approach would enable the ability to have three watershed plans under development at various stages each year and provide these other important support to partner municipalities and TRCA to implement and track watershed plan. This would enable all TRCA watershed plans to be updated on roughly a 10-year cycle ensuring up-to-date watershed science is available to TRCA and its partners and stakeholders to inform actions on the ground.	8,560	780	800	815	830	845	860	880	900	915	935
Asset - Road Resurfacing - Durham Region	C	N	N	Y	Durham	5	Conservation Parks & Lands	Repairs to roads and parking lots at Conservation Areas in Durham Region to help ensure longevity of TRCA facilities.	1,025	-	1,025	-	-	-	-	-	-	-	-
Invasive Species Strategy Implementation	C	Y	Y	N	All	3	Restoration & Infrastructure	Develop Invasive Species Management Plans for TRCA properties and undertake strategic management to protect high priority ecological areas and reduce density and extent of invasive species.	1,800	100	150	200	200	200	200	200	200	200	150

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Petticoat Creek Infrastructure - Maintenance Shop	C	Y	Y	Y	Durham	5	Conservation Parks & Lands	Current maintenance shop is past end of life - Major repair (complete renovation) is required to replace failed infrastructure. Staff are currently displaced due to the state of disrepair, and there is currently no appropriate staff washroom facility.	1,500	1,000	500	-	-	-	-	-	-	-	-
Urban Wildlife Management Program	C	Y	Y	N	All	3	Restoration & Infrastructure	Undertake actions to manage urban wildlife/wildlife habitat including reactive conflict situations (e.g. beaver activity resulting in flooding and erosion concerns) and proactive conservation situations (e.g. install turtle nest protection fencing).	325	30	30	32	32	32	33	33	34	34	35
Asset - Washroom Infrastructure - Durham Region Conservation Parks	C	Y	Y	Y	Durham	5	Conservation Parks & Lands	Three new park washroom buildings are required at Petticoat Creek to accommodate increasing resident visitors.	900	-	900	-	-	-	-	-	-	-	-
Parks - Trail Maintenance - Durham Region	D	Y	Y	N	Durham	5	Conservation Parks & Lands	Trail resurfacing and repair, trail expansion, repair to lookout and viewing platforms, rebuilding board-walk trails & bridges, fence and safety measures at lookout points and new information trail kiosks for visiting patrons. This ensures longevity of the parks and proper maintenance.	350	-	350	-	-	-	-	-	-	-	-
Sustainable Neighbourhood Climate Action - Durham	D	Y	Y	N	Durham	8	Education & Training	Durham Sustainable Neighbourhood Action Program (SNAP) will build resilient, climate ready neighbourhoods in high priority areas of the Region. This project will support TRCA's leadership for action planning in the pilot Ajax SNAP neighbourhood and building implementation partnerships for action towards sustainability objectives of the Region, Town of Ajax, TRCA and the local community. Following the pilot, the project will support another cycle of priority neighbourhood identification, action planning and implementation in cooperation with the Region, another lower tier municipality and local community.	2,500	250	250	250	250	250	250	250	250	250	250
Electronic Gates System - Durham Region	D	N	N	Y	Durham	5	Conservation Parks & Lands	New gates at Petticoat Creek will streamline access into the facility by providing a scanner system for valid permit holders to enter. Automated entry gates at Conservation Parks will make facilities more secure and can extend operating season and enhance visitor access opportunities.	120	120	-	-	-	-	-	-	-	-	-