

2023-2026 Playbook			
Development and Engineering Services			
Strategic Outcome Alignment	Annual Actions / SMART Deliverables What we plan to do	Annual Metric The measure of what was done	Term Impact What we're trying to achieve by 2026
Business Unit: Engineering Services			
1.1	Operate and maintain 12 dams according to regulatory standards	# of dams operated and maintained # of dams with current dam safety reviews # of dams with current emergency preparedness and response plans # of dams with current operation, maintenance and surveillance manuals	Meet industry/regulatory/performance standards and criteria for management of TRCA flood-control infrastructure
1.1	Develop dam inspection procedures and tools to conduct rigorous inspections		
1.1	Train staff to conduct proper inspections of dam structures	# of workshops and conferences attended by flood infrastructure staff	
1.1	Operate and maintain 8 dikes according to regulatory requirements	# of dikes operated and maintained	
1.1	Develop dike inspection procedures and tools to conduct rigorous inspections		
1.1	Train staff to conduct proper inspections of dike structures		
1.1	Operate and maintain 11.5 km of flood control channels according to regulatory requirements	# of channels operated and maintained	
1.1	Routine cleaning of debris and sediment from channels	# of metres of channel cleaned per year	
1.1	Perfrom rigorous annual inspections.	% of flood control channels with flow conveyance maximized	Conduct monitoring to maintain early warning capabilities for municipal partners, stakeholders and the public
1.1	Maintain real-time stream gauges	% of functioning stream gauges # of site visits per year	
1.1	Maintain real-time rain gauges	% of functioning rain gauges	Ensure flood plain mapping is current and meets provincial standards
1.1	Review status of floodplain mapping by watershed	% of flood plain mapping less than 10 years old	
1.1	Analyze areas not currently covered by hydraulic/hydrologic modelling	% of areas not covered by current hydraulic/hydrologic modelling	Maintain 100% coverage of TRCA's jurisdiction for weather and watershed conditions that could lead to flooding
1.1	365, 24/7 coverage of weather and watershed conditions by Flood Duty Officers Maintain Emergency Operations Centre for management of flood emergencies	# of CFDOs/FDOs/Dam Operators	
1.1	Maintain Incident Management System (IMS) state of readiness for flood emergencies	# of hours on-call	
1.1	Maintain Incident Management System (IMS) state of readiness for flood emergencies	# of flood warning messages issued within standard timeframe	
1.1	Invest in technology including real-time networks and FEWS	# new technologies implemented	Meet due diligence requirements for early warning of possible failure and identify deficiencies to ensure timely repairs and full operability of flood control structures
1.1	Conduct regular inspections of flood infrastructure at a frequency proportional to risk of failure	# of inspections conducted by TRCA per year (approximately 400)	
1.1	Conduct 2 workshops and training with external stakeholders bi-annually ("Flood Happens")	# of workshops occurring per year	Inform and deepen municipal and other stakeholder understanding of roles and responsibilities for flood management
1.1	Conduct 2 flood mitigation projects managed by TRCA in support of municipal partners or external stakeholders (funding dependent)	# of flood mitigation projects managed by Engineering Services	Provide technical services to municipalities to assist with flood risk mitigation for large development projects

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Business Unit: Watershed Planning and Ecosystem Science			
1.3	Complete development of Etobicoke Creek Watershed Plan, including Board approval	% of Etobicoke Creek Watershed Plan developed	Improve understanding of current and future state of TRCA's watersheds and ecosystems and identify actions needed to achieve watershed health
1.3	Complete development of Humber River Watershed Plan, including Board approval	% of Humber River Watershed Plan Developed	
1.3	Initiate watershed plan #3	% of watershed plan #3 developed	
1.3	Establish Implementation Steering Committee and prioritize implementation actions	% of implementation actions underway	Improve ability to track effective implementation of recommendations by partners and on-the-ground impact
1.3	Complete review of TRCA's regional monitoring and inventory program to evaluate on-the-ground changes to the natural environment and ecosystems in the face of land use and climate change and continue data collection	% of updated monitoring review report and framework completed # of program adaptations per the monitoring review # of requested data collection to support other projects completed	Improve ability to monitor and evaluate changes in the ecosystem and watersheds to identify key gaps and inform decision making
1.3	Implement Toronto Waterfront Aquatic Habitat Restoration Strategy (TWAHRS) and develop Waterfront Integrated Restoration Planning (IRP) tool	% of TWAHRS recommendations implemented	
1.3		% of Waterfront IRP tool developed (RP1) # of terrestrial and aquatic restoration projects completed	
2.1	Strengthen internal and external partnerships and collaborations to undertake 4 collaborative research initiatives that fill priority knowledge gaps	# of collaborative research initiatives undertaken	Identify priority knowledge gaps through continued maintenance and update of the TRCA Research Agenda
2.1	Update the TRCA Research Agenda every four years to identify priority knowledge gaps	% of TRCA Research Agenda reviewed and updated	
2.1	Invest in building and maintaining staff scientific expertise, increasing innovation and strengthening long-term partnerships with research communities	# of knowledge sharing events participated in	
2.1		# of scientific publications	
2.1	Test 1-2 new technologies that innovate approaches to data collection or analyses	# of new technologies tested	
2.1	Complete 1-2 new projects that support climate change adaptation	# of projects completed that support climate change adaptations	
2.1	Share knowledge through participation in 10 knowledge sharing events per year.	# of knowledge sharing events participated in	Municipal and TRCA decision making is informed by relevant and up to date research outcomes and knowledge.
2.3	Design and deliver specific yearly collaborative knowledge sharing events between TRCA knowledge generators and muncipal decision makers focused on understanding how best to support and influence decisions.	# of collaborative knoweldge sharing events between TRCA and Muniapiplities focused on informing decisions	
2.3		# of new and updated data layers generated	
2.3		# of partnerships, collaborations and technical support provided to partner municipalities related to TRCA-generated scientific knowledge	
2.3	Develop an annual summary or debrief on successes and barriers to effective integration of science and new knowledge into land use planning decisions. Use this debrief to identify opportunities for improvement for the following year.	Annual summary completed	
2.3			

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Business Units: Infrastructure Planning and Permits, Development Planning and Permits			
1.4	Provide effective planning and technical input to applications made in accordance with the Ontario Planning Act or environmental assessment legislation	# of development and infrastructure planning applications supported by TRCA	Development and infrastructure planning applications address all TRCA interests and are approved
1.4		# of development and infrastructure planning applications not supported by TRCA	
1.4	Provide effective planning and technical input to applications made in accordance with tthe Conservation Authorities Act	# of approved development and infrastructure permit or VPR applications	Development and infrastructure permit applications address all TRCA interests and are approved
1.4		# of denied development and infrastructure permit or VPR applications	
2.3	Provide effective planning and technical input to applications made in accordance with the Ontario Planning Act and environmental assessment legislation	# of development and infrastructure planning applications supported by TRCA	Provide effective planning and technical input to applications made in accordance with the Ontario Planning Act and environmental assessment legislation
2.3		# of development and infrastructure planning applications not supported by TRCA	
2.3	Provide effective planning and technical input to applications made in accordance with the Conservation Authorities Act	# of approved development and infrastructure permit or VPR applications	Provide effective planning and technical input to applications made in accordance with the Conservation Authorities Act
2.3		# of denied development and infrastructure permit or VPR applications	
2.3	Provide effective partnership services to clients related to development and infrastructure planning and permitting review services	# municipal, provincial and industry parthers with approved service level agreements related to development and infrastructure planning and permitting	Provide effective partnership services to clients related to development and infrastructure planning and permitting review services
2.3		# municipal, provincial and industry parthers with approved memorandums of understanding related to development and infrastructure planning and permitting	