

## Partnerships in The Living City



TORONTO AND REGION CONSERVATION AUTHORITY 2011 ANNUAL REPORT

 **TORONTO AND REGION  
Conservation**  
*for The Living City*

*Member of Conservation Ontario*

## OUR VISION

The quality of life on Earth is being created in rapidly expanding city regions. Our vision is for a new kind of community—The Living City®—where human settlement can flourish forever as part of nature’s beauty and diversity.

## OUR MISSION

To work with our partners to ensure that The Living City® is built upon a natural foundation of healthy rivers and shorelines, greenspace and biodiversity, and sustainable communities.

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## FROM THE CHAIR & CAO

### Gerri Lynn O'Connor, Chair

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*“Without these partnerships, TRCA would not be able to accomplish what it does, and have such an impact on the environment and community.”*

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The success of Toronto and Region Conservation (TRCA) is driven by the strength and breadth of its partnerships. TRCA enjoys mutually beneficial partnerships with countless agencies, foundations, NGO's, private businesses and community members. Without these partnerships, TRCA would not be able to accomplish what it does, and have such an impact on the environment and community.

2011 saw the launch of The Living City Report Card – the most in-depth analysis of the environment and the activities that drive environmental health of any Canadian city region. This critical document is the culmination of work by TRCA and CivicAction's Greening Greater Toronto, and is the benchmark by which we will gauge future environmental achievements and failings in the Toronto region.

The number of foundations TRCA partners with are too numerous to mention. A shining example in

2011 of one of these relationships was expansion of the Monarch Teachers Network to communities across Canada, through the support of the W. Garfield Weston Foundation. Through this program, we are able to take a national program and contribute to the ecological knowledge and vitality of communities at very much a local level.

TRCA continued in 2011 towards its vision for The Living City. Initiatives such as The Living City Report Card, the re-branding of The Conservation Foundation of Greater Toronto as The Living City Foundation, and the numerous living city activities by other agencies around the globe in 2011 reinforced that TRCA's vision is still relevant and cutting edge. In 2012, TRCA will undergo a review of its strategic plan to ensure TRCA maintains and improves on its path of environmental protection, management and innovation in the Toronto region, and more increasingly, around the world.

A handwritten signature in black ink, appearing to read "Gerri O'Connor", with a long, sweeping flourish extending to the right.

*“2011 was another very successful year in the history of TRCA as a major contributor to the development of the GTA as one of the most successful and sustainable city regions in the world.”*



Many of TRCA's annual reports over the last 60 years or so, have focused on the theme of partnerships. This is not an accident. It is extremely important to recognize that virtually everything we accomplish is made more effective by working with communities of partners. One of the trends that is evident in this year's report is that increasingly the partnerships are focused on urban intensification and revitalization. The efforts of the Province of Ontario, as supported by the regional and area municipalities across TRCA's area of jurisdiction, to limit expansion of the urban boundaries, are leading to different patterns of growth and hence different priorities for TRCA.

Transportation improvements are very important in the GTA and as a result, more of our efforts are associated with the careful and timely review of projects for new mass transit. The transit corridors all cross river valleys and often lead to significant environmental enhancements due to the cooperation from agencies like TTC and Metrolinx.

Another important priority in the GTA is the settlement of internationally trained professionals who often struggle to find relevant Canadian work experience. Through the cooperation of many agencies and companies within TRCA's network, many new Canadians are finding successful career opportunities.

The retrofit of older communities to create a more sustainable future is also the focus of current partnership activities. The Sustainable Neighbourhood Retrofit Action Plans (SNAP's) are community led initiatives seeking to make unique communities more sustainable through a variety of greenspace, water management and energy efficiency initiatives that are developed to recognize both the strengths and particular needs of those communities.

The challenges presented by climate change are also leading to new partnerships to ensure that actions are being taken to make our communities more resilient and better prepared for severe weather.

TRCA continues to be involved in a wide range and scale of projects from the proposed redevelopment of the 400 hectares of the Portlands, including a new mouth of the Don River, to the protection of individual trees from threats such as the Emerald Ash Borer.

2011 was another very successful year in the history of TRCA as a major contributor to the development of the GTA as one of the most successful and sustainable city regions in the world. Our success is due in large part to the dedication and innovation of the diverse staff of our organization. We will continue to serve our communities through a range of programs designed to help our communities to look after where we live.

A handwritten signature in black ink that reads "Brian Denney".



# HEALTHY RIVERS AND SHORELINES

## Lake Ontario Waterfront

Our ultimate goal is to make the GTA waterfront a “living people space” for The Living City.

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On three sides of the GTA, a mosaic of suburbs and commercial developments, greenspaces and farms, highways and waterways spill across the landscape, forming the backbone of the city. But the face of Toronto remains firmly turned south towards Lake Ontario.



Over 67 kilometres of beaches, trails, wetlands, condos, wharves, marinas and towering cliffs define our city region in the eyes of both its residents and its many visitors. Our ultimate goal is to make the GTA waterfront a “living people space” for The Living City.

## HIGHLIGHTS

Three major parkland projects are nearing completion and will open to the public by the fall of 2012 for the GTA residents to enjoy.

- The Mimico Waterfront Park activity included further lakefilling to create the new park, the construction of three new cantilevered boardwalk sections, the remounting of a gazebo, and work on 500 metres of new waterfront trail.
- The Port Union Waterfront Park saw the completion of the lakefilling activities and shoreline protection of six headlands and five cobble beaches, the rough grading of 1.8 kilometres of new Waterfront trail, the installation of park fencing, and the planting of a number of trees and shrubs.

- The Tommy Thompson Park project has created three new buildings to serve park users, provided new trail connections within the park, used bio-engineered willow banks to protect the shorelines, and improved both the terrestrial and aquatic habitats.

**The Toronto and Region Remedial Action Plan (RAP) improves environmental conditions and awareness within the Toronto and Region Area of Concern.**

- RAP initiated the technical review and update of the program goals and criteria, the first re-examination of program metrics and endpoints time since 1994. The RAP also co-hosted three public Lake Ontario Evening Events, in cooperation with the City of Toronto and the CTC Source Water Protection region, which engaged an estimated 250 people in a dialogue on Great Lakes issues.

## BY THE NUMBERS

Restorative plantings at the Port Union Waterfront Park have **reintroduced 3 species of regional concern** and **5 species of urban concern**, including black choke-berry, big bluestern, and white spruce.

The construction of stone beaches and headlands at the Port Union Water Park has required **22,000 tonnes** of cobble stone, **28,000 tonnes** of armour stone and **15,000 truckloads** of rubble and clean fill.

**A new fish gate and water level control structure** was installed to prevent common carp from accessing the Cell One wetland at Tommy Thompson Park.

The RAP supported the **development and evaluation of a bioretention cell for collecting stormwater** runoff from a 2,061 m<sup>3</sup> parking lot at the Earth Rangers centre in Vaughan.



Despite the challenges, the watershed is slowly being regenerated and revitalized.

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Home to 1.2 million residents, the Don River watershed is heavily developed. Despite the challenges, the watershed is slowly being regenerated and revitalized.

Whether we are talking about installing a permeable parking lot that reduces storm runoff, building bat boxes which reduce mosquito numbers, using less salt on our properties, or restoring wetlands which level flow rates and reduce the risks of flooding, there are significant benefits realized all down the ecological line. And all these benefits ultimately improve the lives, health and well-being of the people who live, work and visit the Don.





# HEALTHY RIVERS AND SHORELINES

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## HIGHLIGHTS

**River crossing signs along local and regional roads raise public awareness of the watershed.**

- This undertaking will heighten peoples' recognition of the rivers within their communities and encourage greater public awareness of local water resources. With 18 signs installed in the Don watershed, all the major road crossings in the Don have now been identified.

**Environmental assessment of the Don Mouth Naturalization and Port Lands project pauses.**

- The decision came in order for the City of Toronto and Waterfront Toronto to undertake a comprehensive review of the future of the Port Lands as a whole, including the Lower Don Lands and Don Mouth areas. The City is considering additional development opportunities, including phasing options, higher-value interim and permanent uses, and private-sector involvement.

**Innovative stormwater facility in Earl Bales Park is one of the largest ponds in Canada.**

- The representatives from the City of Toronto, federal government, TRCA and other groups celebrated the new Earl Bales Park Stormwater Management Facility. It is the largest stormwater pond in Ontario, and treats the collected flows before being released into the West Don River – improving water quality and fish habitat, preventing erosion and helping to protect sewer infrastructure in the ravines.

**Official opening for Baker's Woods celebrates protection of this mature maple forest.**

- Jointly purchased by Vaughan, York Region and TRCA in 2000, Baker's Woods is a 30-hectare old-growth forest which has both historical and ecological significance. It is one of the few remaining forests of its size in the City of Vaughan and one of the most mature, with maple trees over 100 years old.

## BY THE NUMBERS

The 18th annual **Manulife Paddle the Don** event was a great success, with **536 paddlers in 259 canoes and kayaks** traveling down the river. In total, **\$90,000** was raised to help fund regeneration projects in the Don watershed.

The 13th annual **Richmond Hill Mill Pond Splash** drew a record crowd of close to **2,000 with over 500 kids** taking part in Eco-passport scavenger hunt.

Don Watershed Regeneration Council actively pursued **over 30 projects**, presentations and issues across the Don River watershed.



The efforts of local volunteers helped us achieve ambitious targets for the revitalization of the Creeks.

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Together, Etobicoke and Mimico Creeks, support a population of over 400,000 people, and substantial number of businesses and industries. They are two of the most highly developed, and therefore degraded, watersheds in the Toronto area.

The efforts of local volunteers helped us achieve ambitious targets for the revitalization of the Creeks: increasing the natural cover in the watershed, replacing the concrete-lined channels with more natural channel design, restoring the creeks to a more natural water balance, and removing or mitigating some of the in-stream barriers that prevent the upstream passage of fish species.



# HEALTHY RIVERS AND SHORELINES

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## HIGHLIGHTS

New data is used to update restoration programs in the Etobicoke and Mimico Creek Watershed Plan.

- A technical update on groundwater and surface water quantities and quality, stormwater management and streamflow, and the terrestrial and aquatic natural heritage systems in the Etobicoke and Mimico Creek Watershed Plan was published.

The Etobicoke-Mimico Watersheds Coalition initiated its fourth term with 44 new and returning members.

Large-scale restoration projects move into the planning and implementation phase in 2011.

In addition to the work taking place along the Etobicoke Creek at Edward Scarlet Park in Mississauga and the Upper Mimico, below are other major projects within the watersheds:

- West Etobicoke Creek Regeneration Project
- Mimico Creek Barrier Mitigation Project
- Etobicoke Creek Mitigation Project
- Sherway Trail and Valley Restoration Project

Through Partners in Project Green, the transformation of the Pearson Eco-Business Zone into an internationally recognized community for sustainable business practices has been aided by local businesses joining forces to drive change.

- Total of 3,527 businesses in the Pearson Eco-Business Zone engaged in energy efficiency projects, conserving 46,479,458 MWh of electricity and 3,146,000 m<sup>3</sup> of natural gas.

## BY THE NUMBERS

**7,500 volunteers** participated in **21 events** across the watersheds.

More than **10,000 native plants** were planted and **63,500 square metres** of watershed were restored.

Approximately **1,000 metres of new trail** were installed and **100 metres of shoreline restored** along the Etobicoke Creek at Edward Scarlet Park in Mississauga, and **600 metres of channel** was naturalized in the Upper Mimico.

After an absence of 2 years, **the great blue herons have returned to breed** in the northern part of Heart Lake Conservation Area in the spring of 2011.





This urban and rural watershed is home to 732,000 people and has strong natural and human heritage.

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Humber River watershed is the largest in the Toronto area. Its waters, originating on the Niagara Escarpment and the Oak Ridges Moraine, flow south for 126 kilometres and empties into Lake Ontario. This urban and rural watershed is home to 732,000 people and has strong natural and human heritage. The river was designated a Canadian heritage river in 1999 and since then has been celebrated as a cornerstone in GTA's history.



2011 was full of successes to promote the heritage of the watershed.



## HIGHLIGHTS

The Humber Watershed Alliance initiated its fifth term and undertook many projects that help protect, regenerate and celebrate the watershed.

The Living City Report Card was completed in partnership with CivicAction's Greening Greater Toronto Initiative launched with a significant media attention.

Award-winning Discovery Walk® on the Humber will serve as the template for the development of future historical trails.

- Discovery Walk® on the Humber is a joint project of TRCA, the City of Toronto, Heritage Toronto, the three founding First Nations of Toronto and La Société d'histoire de Toronto.

Heritage bridge inventory spurs the protection of several historic bridges slated for demolition.

- Crossing the Humber: The Humber River Heritage Bridge Inventory, identified and evaluated 33 heritage bridges and associated vestiges within the watershed. As a result, three heritage bridges proposed for demolition have been saved, and one of these has been fully rehabilitated. The document will be used to guide the listing or designation of heritage bridges by local

municipalities under the Ontario Heritage Act. This project was a 2011 Heritage Canada Foundation national achievement award winner for volunteer contribution.

The second phase of the Bring Back the Salmon project expands into the Humber River.

- The Ontario Federation of Anglers and Hunters, Ontario Ministry of Natural Resources and TRCA celebrated the expansion of the restoration with the stocking of approximately 30,000 Atlantic salmon fry at the river's edge in the Albion Hills Conservation Area. Stocking sites on the Humber River have been added to the Phase one restoration efforts in Duffins Creek, the Credit River and Cobourg Brook.

After 30 years of hard work, the volunteer-based Black Creek Conservation Project is still making a difference in the watershed.

- Black Creek Conservation Project tackled 110 environmental hands-on activities, involving 4,400 youth and adult volunteers. The project received \$112,000 of cash support and \$238,000 worth of in-kind volunteer contributors.

## BY THE NUMBERS

Nearly **4,000 people** attended more than **20 events** across the watershed.

Restoration activities at the Oak Ridges Corridor Park included the **planting of 1,400 trees and shrubs** to protect sensitive aquatic habitat and the planting of an additional **93,550 conifer and deciduous seedlings** to enlarge forest cover.



Over **400 local school kids** planted **150 trees** and shrubs at the Oak Ridges Corridor Park.

A partnership between the United Church and TRCA brought **550 faith-based volunteers** to clean up the Humber River watershed in Toronto.

TRCA approved the **3 kilometre inter-regional trail alignment** linking the City of Toronto to the City of Brampton trail network.

**60 bank employees** took part in the RBC Blue Water Day by canoeing the Humber River.

In partnership with the Ontario Heritage Trust, members of the Humber Watershed Alliance hosted the **2nd annual Trails Open event** at Boyd Conservation Area, highlighting the unique history of Boyd.

The watershed is home to Rouge Park – the largest urban park in North America.

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Rouge River watershed is home to Rouge Park - the largest urban park in North America. Restoration and natural heritage projects in Rouge Park range from scientific research to tree and shrub planting, stream bank rehabilitation and wetland creation. Restoration projects are prioritized according to the Rouge Park Management Plan and the Natural Heritage Action Plan.

Over time, this work will provide valuable habitat for wildlife in a rapidly urbanizing area, while enhancing the park experience for visitors.

## HIGHLIGHTS

**Trails Program** volunteers improve the park experience, while providing greater oversight in the park.

- Today almost 40 volunteers are trained and available to interact with and direct park visitors; their excellence speaks to the quality of the program and their dedication to the park and the program.

**Rouge Park Stewardship Program** trains people to become stewards of the land.

- 1,475 volunteers participated in the various events offered by the program, worked with about 30 partner community groups and organizations, and raised over \$14,000 dollars through fundraising and corporate events.

**The 2nd annual Rouge Days festival** celebrates “where you live.”

- The festival featured a series of events that celebrated the Rouge’s cultural, recreational and natural heritage in various communities across the watershed in Markham, Toronto, Richmond Hill, Stouffville, Unionville and Pickering. This festival brings the community out to connect and discover the local treasures right in their own backyards.



## BY THE NUMBERS

Over **520 community volunteers** planted nearly **2,600 trees and shrubs** in Rouge Park.

More than **70 hectares of wildlife habitat** were restored, **500 metres of stream habitat** were rehabilitated, and **8 wetlands** were restored. More than **4,000 volunteers** worked on various habitat restoration projects.

**235 volunteers** participated in a number of biological monitoring programs.



Rouge Park’s Trail Program welcomed over **1,900 public walkers** on guided hikes that covered a total of nearly **1,800 kilometres**. **A total of 359 public walks** were led by a **team of 35 volunteers**. The program also trained 18 new guided walk leaders and ambassadors.

The 2nd year of restoration and trail implementation in Bob Hunter Memorial Park took place, including **restoration of 40.6 hectares of forest, meadow and riparian areas**, the creation of **6 new wetlands** and construction of trails.



Fish habitat has improved in Petticoat Creek with the addition of riparian cover that cools and filters the water.

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Thousands of residents visit the waterfront, conservation areas and protected lands in the Greenbelt on a daily basis. This number will increase as the GTA grows and more people are attracted to the recreational and hiking opportunities offered by these beautiful greenspaces.

By fostering partnerships and working with communities, the work being done to reintroduce salmon to Duffins Creek or to develop the new Brock Lands shows the effectiveness of a collaborative approach.

Fish habitat has improved in Petticoat Creek with the addition of riparian cover that cools and filters the water.



## HIGHLIGHTS

Salmon re-introduction program is rebuilding a vanished fishery by heeding the 'simple needs' of fish.

- The success of the program comes from working with our partners: the Ministry of Natural Resources, the Ontario Federation of Anglers and Hunters, Ontario Power Generation – Pickering Nuclear, Trout Unlimited Canada and the Great Lakes Fishery Commission.

Annual fundraising gala helps economically and physically disadvantaged youth to experience nature.

- The 2nd annual Sunny Days for Conservation attracted close to 200 people to the Deer Creek Golf and Banquet Facility in Ajax. The event raised close to \$25,000. The funds are used to



subsidize students in financial need so that they can attend environmental learning programs at the Claremont Outdoor Education Centre.

The purchase and restoration of the Brock Lands will protect groundwater and connect greenspaces.

- TRCA acquired the former Brock North and South Landfill sites, collectively known as the Brock Lands, from the City of Toronto. The purchase of the 392 hectares represent the largest greenspace acquisition in Durham.

## BY THE NUMBERS

Bring Back the Salmon celebrated the **launch of Phase II** of the restoration project with the release of its **3 millionth salmon fry**.

Phase I of the Bring Back the Salmon restoration project, saw more than **2.5 million fish stocked** into the Credit River, Duffins Creek and Cobourg Brook, and nearly **100 habitat projects** completed.

The salmon reintroduction program received a grant of almost **\$200,000 from the Great Lakes Fishery Commission** to build and install a net to trap adult salmon returning to spawn.

**100 students** from Fleming College planted **800 trees and shrubs** on Transport Canada's Pickering Lands.



Over the past year, more than 850 people engaged in a dozen Highland watershed community events.

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Highland Watershed Neighbourhood Greening Projects are building green communities one event at a time. Over the past year, more than 850 people engaged in a dozen Highland Watershed community events, including interpretive walks, planting events, workshops and clean-ups.

Building an informed and ecologically literate community is essential to the planning and implementation of the three Highland Watershed Neighbourhood Greening Projects slated for the Cedarbrook Park, Morningside Park and Milliken Park areas.



## HIGHLIGHTS

Gatineau Hydro Corridor Naturalization project can serve as model for other hydro lines.

- TRCA initiated a pilot project to naturalize a portion of the Gatineau Hydro Corridor in Scarborough, converting non-native grass cover to native meadow habitat. This will increase biodiversity in the area, reduce maintenance costs, and create a more aesthetically pleasing experience for users of the multi-use trail that has been constructed through the Hydro corridor.

Water Walks show residents what they can to reduce urban runoff and stormwater problems.

- TRCA, in association with Toronto Chinese for Ecological Living and the Toronto Green Community's Lost Rivers Walks project, hosted three Water Walks. These walks through the Milliken community area focus on stormwater management and the importance of residents caring for water at the lot level. Funding for the walks, is provided by the Ontario Trillium Foundation and its partners.

## BY THE NUMBERS

Once entirely covered with forested, today the 'urban creek' watershed is **85% developed** and **home to 360,000 people**.

The Centennial College Environmental Students Society, alumni and friends planted **4,740 wildflowers** and grasses and **380 trees and shrubs** along Highland Creek in Morningside Park and helped **collect 100 bags** of garbage from the valley.

Some **100 trees and shrubs** were planted in Cedarbrook Park by members of the Midland Park Community Association.





Source water protection is a general term for protection of all water supplies, no matter the end use (e.g. wildlife habitat, recreational).

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### Highlights

**TRCA completed the technical foundation for source water protection.**

- The CTC Source Protection Committee completed and submitted to the Ministry of the Environment (MOE) its three Updated/ Amended Assessment Reports on drinking water quality in the three source protection regions: Credit Valley, Toronto and Region, and Central Lake Ontario. New information included identifying drinking water quality threats in the nearshore area of Lake Ontario and future water quantity stresses in municipal drinking

water wells in southern Dufferin County. These three reports were approved by the Ministry of the Environment (MOE) in January 2012.

**TRCA has also prepared the draft policy framework for the Source Protection Plan.**

- The CTC Source Protection Committee (SPC) began the development of a suite of draft policies to protect drinking water quality – the Source Protection Plan – which will include policies to address significant drinking water threats identified in the Assessment Reports. Draft policies were developed through a series



of five workshops from January to May, with municipal staff, industry representatives and technical experts. The first draft of the policies was discussed with municipal councilors and staff at seven workshops from November to December 2011, which were held jointly with adjacent source protection regions.



## BY THE NUMBERS

Over **15,000 landowners** who could be impacted by the Source Protection Plan were notified individually that policy development had begun.

The first draft of the *Source Protection Plan* was discussed in a series of workshops attended by staff from **39 municipalities** and **5 adjacent Source Protection Regions**.

The TRSPA Assessment Report identified **18 significant water quality threats** related to Lake Ontario intakes and **465 significant threats** to ground water sources.

The Toronto Region SPA (TRSPA) has determined that **5 subwatersheds** were found to have **moderate or significant groundwater** stress levels and **17 subwatersheds** have **moderate or significant surface water** stress levels during summer months.



# HEALTHY RIVERS AND SHORELINES

## Flood Management Service

The Service brings together a dedicated team with expertise in water resources engineering, risk and data management, hydrometrics, infrastructure and project management.

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The Flood Management Service was reorganized to fulfill one of the principle mandates of TRCA – reducing the risk to life and damage to property due to flooding. The Service brings together a dedicated team with expertise in water resources engineering, risk and data management, hydrometrics, infrastructure and project management.

Our goal in 2011 was to strengthen the relationship with our municipal partners in order to prepare and respond to their needs as first responders, meet the challenges of the changing environment, and safeguard the health and well-being of residents of The Living City.



## HIGHLIGHTS

TRCA's Flood Management Service focused on municipal outreach as it implemented the plans across the jurisdiction.

- Activities ranged from participating in municipal emergency exercises and training, to forging lasting relationships with municipal partners to ensure that we are all well prepared to deal with flood events. Strong partnerships were formed between TRCA's Flood Management Service and a number of outside agencies. Some of these activities are described here:
- **Toronto Fire Services** – Over 160 Fire Services staff toured the G. Ross Lord Dam to become familiar with this critical component of TRCA's flood infrastructure. In addition to the tours, enhancements were made to TRCA's real-time gauging website to assist Fire Services staff in their regular swift water rescue training.
- **Toronto Transportation** – A new real-time gauge was installed in partnership with Toronto Transportation at Dundas Street on the Don River. This new infrastructure provides additional information to both agencies during a flood event and adds an additional "set of eyes" in the field on the low Don River to inform decision-making pertaining to the Don Valley Parkway and Bayview Extension.
- **Toronto Office of Emergency Management (OEM)** – Flood Management Service staff are now part of the OEM training team and routinely conduct lectures for City staff, relaying flood risk information directly to City staff.

- **City of Brampton** – TRCA and the City of Brampton initiated the Downtown Brampton Flood Mitigation Feasibility Study to provide strategies to reduce the risks due to flooding of Etobicoke Creek. The study will identify opportunities that balance flood risk, urban growth and land use in the downtown area.
- **City of Vaughan** – TRCA had the opportunity to collaborate with the City of Vaughan on their annual emergency exercise, strengthening our ability to work together in the event of a flood in the future.

### Updating and maintaining TRCA's floodplain mapping.

- TRCA staff maintained and disseminated this information and completed major updates within the Humber, Etobicoke, Mimico and Carruthers watersheds.

### Keeping the technical guidelines and training up-to-date.

- TRCA's technical guidelines were updated to ensure that up-to-date direction was being provided to the province, municipalities, developers, consultants and landowners on how to build safe and sustainable communities that respect the natural environment. These guidelines include updated stormwater management (SWM) criteria and further direction on low impact development (LID) and green infrastructure.

## BY THE NUMBERS

A total of **12 High Water Safety Bulletins** were issued.

Staff inspected **19 flood control channels, 10 dams** and completed **1 Dam Safety Review**, for the Albion Hills Dam.

Over **100 registrants from 36 agencies** attended the 3rd annual "Floods Happen" workshop to help us plan and prepare for major flood events.

There are approximately **36,000 people within the floodplain** in TRCA's jurisdiction.

Flood Management Service got a **"new look."**





Our conservation land care program sets the standard for “the best possible care.”

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Even in the midst of a stressful day, our trails lead people straight back to nature. Trail systems provide access to nature, reconnecting people to the landscape, the natural environment and to their history. Whether you jog, proceed at a brisk pace or are content with a leisurely stroll, time spent on a well-designed and well-tended trail strengthens the body, nourishes the soul and frees the mind.

Our conservation land care program sets the standard for “the best possible care.” By creating and implementing a comprehensive, integrated land care program, TRCA reduces the risk from hazard trees, deters encroachments and discourages vandalism, dumping, poaching and trespassing. Best land and asset management practices are utilized to provide a safe environment for the public while enhancing visitor experiences and protecting the environment.

### HIGHLIGHTS

TRCA Board approved the Claireville Conservation Area Management Plan Update, the Oak Ridges Corridor Park East Management Plan and the Bruce’s Mill Conservation Area Master Plan.

Implementation of the Albion Hill Trails Enhancement Project wrapped up.

- The trail way-finding system was further enhanced with the installation of four trailhead kiosks. An additional 300 metres of multi-use trail



was improved, and the wood deck and railing of an existing steel-truss bridge was replaced with the assistance of Conservation Youth Corp volunteers from Peel Region high schools.

**Implementation of the Heart Lake Conservation Area Master Plan (2006) continued with 300 metres of new trails, closing 200 metres of inappropriate trails, resurfacing 100 metres of trails using recycled concrete, and removal of 280 hazardous trees.**

**Site securement completed in Nashville Resource Management Tract.**

- Some 410 metres of farm fence and a new gate were installed, one barn, one quonset hut and two concrete silos were demolished, five property identification signs were installed, a total of 105 industrial-size garbage bags were filled with hazardous waste and removed, and 200 metres of unsafe trail were closed.

**Pierre and Janet Berton Trail opens in Boyd Conservation Area.**

- In preparation of the official opening, 16 interpretive nodes were installed to accompany an interpretive guide that highlights unique aspects of the trail. Two large field stones etched with trail's name act as the gateway into this beautiful natural setting.

**The accessibility of natural surface trails is assessed using HETAP.**

- The accessibility of natural surface trails is assessed using the High Efficiency Trail

Assessment Process (HETAP). This information will help TRCA identify locations for enhancements that will allow trails to meet the forthcoming Built Environment Standard of the Accessibility for Ontarians with Disabilities Act, 2005.

**Acquisitions in 2011 add more than 600 hectares to TRCA's holdings. Here are some highlights:**

- Purchase of abandoned 103-hectare Bolton Camp located in Caledon offers new trail possibilities. The camp was purchased from Hi-Lands of Bolton Corporation, with funding provided by the Region of Peel, the City of Toronto and TRCA.
- Containing forest and meadow habitat, as well as two locally significant wetlands, the 16.8-hectare Valley corridor lands (generously donated by Allto Holdings Inc.) in Township of Mono support a variety of coldwater fish species and is designated in the Niagara Escarpment Plan as an Escarpment Protection Area and Escarpment Natural Area.
- Brock Lands form one of the most significant natural heritage parcels south of the Oak Ridges Moraine. Further to an agreement with the City of Toronto in 1969, the Brock South landfill site in Ajax and the Brock North site in Pickering (comprising 377 hectares) were conveyed to TRCA.
- With the acquisition of 932 Beachpoint Promenade (.06 hectares), TRCA was able to fill the 'hole in the donut' along the Pickering Waterfront and the environmentally significant area west of Frenchman's Bay. The property was acquired from Joyce Andrews and Phyllis Brown, with funding provided by the City of Pickering and TRCA.

## BY THE NUMBERS

TRCA **inventoried 10 properties** and **re-audited 6 properties** in Peel and York. Mapped over **25 kilometres of trails**, surveyed over **10 km of property boundary**, and documented some **651 encroachments**.

Over **4,400 metres of fencing** were installed on **11 different properties**.

TRCA acquired **601 hectares of ecologically significant land** through acquisitions and easements.

After 3 years of work, we managed to remove **70 to 80 % of the highly invasive European buckthorn** from 3 plots of red pine within Albion Hills Conservation Area.

Purchases bring the total lands secured in the watersheds of the Toronto region to **17,375 hectares** as we continue to be one of the largest landowners in the GTA.

**Over 30 property identification and permitted use signs** were installed along property boundaries throughout TRCA's jurisdiction.



Research and monitoring give us tools to explore the natural environment and understand what we see.

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Good science ensures that natural systems and natural infrastructure are valued, integrated and maintained in our jurisdiction.

Research and monitoring give us tools to explore the natural environment, understand what we see, and apply that knowledge to solving the environmental challenges that beset us. The preservation and restoration of ecologically healthy and resilient watersheds is central to achieving TRCA's strategic objectives of regional biodiversity and healthy rivers and shorelines.

The Watershed Monitoring and Reporting (WM&R), Restoration Services and Research and Development (R&D) Sections play key roles in ensuring TRCA remains a leader in the areas of monitoring, reporting and management.

### HIGHLIGHTS

**New biomonitoring protocol uses algae to measure ecosystem health.**

- WM&R completed a four-year project with the Ministry of the Environment to promote the use of algae as a bio-monitoring tool in Ontario and to refine and document a field protocol for data collection.

**Rouge River Fisheries Management Plan will guide watershed protections efforts.**

- Rouge River Fisheries Management Plan (FMP), developed in partnership with the Ministry of Natural Resources, Fisheries and Oceans Canada, Rouge Park Staff and TRCA was finalized and approved.

**The Peel Region Urban Forest Strategy will guide the protection and enhancement of this natural infrastructure.**

- The Peel Region Urban Forest Strategy was endorsed by Peel Regional Council, and by the Boards of Directors of both TRCA and Credit Valley Conservation.

**TRCA shares its expertise through aquatic and terrestrial ecology training courses.**

- The WM&R section organizes training to build capacity within TRCA and provide valuable skills to those interested in pursuing a career in the environment sector. In 2011, five such courses were provided:
  - Ontario Stream Assessment Protocol Training Course
  - Ontario Benthos Biomonitoring Network Training Course
  - Sedge Identification Technical Training Course
  - Class 2 Backpack Crew Leader Electrofishing Course
  - Freshwater Fish Identification Course

**New planning program will help prioritize restoration efforts within TRCA's jurisdiction.**

- The development of the Ecosystem Recovery Planning Program (ERPP) was completed, and a final report was submitted to the Salamander Foundation, the major funding partner. The ERPP provides a systematic framework and tools for ecosystem recovery planning that may be used to prioritize habitat restoration and securement efforts; provide direction on

restoration objectives; and predict the long term ecological benefits of habitat restoration from a terrestrial biodiversity perspective.

**Hydroacoustic monitoring tracks the "invisible lives" of fish.**

- Aquatic Habitat Toronto is co-ordinating an innovative fish tracking research program. Small hydroacoustic transmitters that have been inserted into fish, will allow researchers to plot habitat usage patterns both before and after habitat rehabilitation activities.

**Regional Watershed Monitoring Program Ten Year Data Summary released.**

- The Program has collected 11 years (2001-2011) of aquatic data from across the TRCA jurisdiction. The findings from this work were documented in several reports available for dissemination and were featured presentations at the Latonell conference.

**Terrestrial Fixed Plot Monitoring Program helps determine the health of bird, plant and amphibian communities.**

- In order to track temporal and spatial differences in terrestrial health throughout TRCA's jurisdiction, a network of fixed plots has been established in forest, wetland and meadow habitats. This work included a baseline analysis of the first three years of data collection which revealed some interesting baseline conditions from which future monitoring will be compared against.

## BY THE NUMBERS

Some **45% of the urban canopy** in Peel Region is located on private property, making individual Peel residents the most important stewards of this vital resource.

Staff produced a total of **23 publications or reports**, prepared **5 data sets**, made **21 presentations** at various conferences and seminars, served on more than **20 committees**, collaborated with other stakeholders **on 17 different networks**, working groups, endangered species recovery teams, councils and consortiums and helped train hundreds of individuals.

**Ground-breaking research on the endangered reddsides** was accepted for publication in Aquatic Conservation: Marine and Freshwater Ecosystems.

TRCA undertook terrestrial inventories of flora and fauna communities and species on more than **1,500 hectares of lands** within the jurisdiction.





We are able to identify environmental needs, set feasible restoration targets and restore natural areas efficiently and successfully.

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The ultimate goal of TRCA's Restoration Services is to make the GTA a livable and welcoming place for all species.

Restoration and Environmental Monitoring (REM) Projects Section understands the ecology and the interconnected roles of the hydrological system, the varied natural habitats and the flora and fauna that live here. As a result, we are able to identify environmental needs, set feasible restoration targets and restore natural areas efficiently and successfully.

In addition, the monitoring work carried out by the REM group support project designs and approvals, provide compliance monitoring, track long-term conditions, and contribute to research and education.

## HIGHLIGHTS

**The Restoration Opportunities Plan helps TRCA put its projects in order.**

- The REM group developed the Restoration Opportunities Plan (ROP) process that identifies and prioritizes restoration opportunities throughout TRCA's jurisdiction. The ROP process was utilized to develop the restoration plan for the newly acquired Brock Lands.

**16th Avenue habitat enhancements are making the GTA a more welcoming place for all species.**

- The REM Projects group worked closely with the Regional Municipality of York and Rouge Park Alliance to restore four wetlands and 5.3 hectares of upland and riparian forest in the Little Rouge Corridor of Rouge Park. This initiative provides diverse, attractive, natural habitats for a wide array of wildlife and plants.

**Habitat restoration in Bob Hunter Memorial Park supports wildlife diversity in all forms.**

- TRCA worked closely with the Regional Municipality of York, the Rouge Park Alliance, the Town of Markham and a number of community groups to restore five wetlands

and re-establish 12 hectares of native grass meadow and 25 hectares of upland and riparian forest in Bob Hunter Memorial Park.

**3rd annual Tommy Thompson Park Butterfly Festival attracts a big crowd ... of butterflies and people.**

- The festival was hosted by TRCA in partnership with Ontario Nature and Ontario Power Generation, and with the support and participation of Native Plants in Claremont, Toronto Field Naturalists, Toronto Entomological Association, Monarch Teacher's Network, Scales Nature Park – Reptiles at Risk program, Wild Ontario, and Wings of Paradise.

**Restoration of Upper Mimico Creek proves Mother Nature's designs are the best.**

- In planning the re-naturalization of a 600-metre section of the creek, TRCA relied on natural channel designs, with a focus on aquatic habitat restoration and an increase in floodplain variability to restore the natural channel form and function. The project, undertaken in partnership with the Gorway Power Station, provided a unique opportunity to field test these naturalization methods.

## BY THE NUMBERS

**A myrtle warbler** was recaptured at Tommy Thompson Park Bird Research Station. This adult female had first been **banded as a hatch-year bird in 2009**, at the Pelee Island Bird Observatory.



**5,780 plants were supplied** to other Conservation Authorities and their partners in the Greater Toronto Area to restore their watersheds.

During the Deer Valley Drive Erosion Control Project, **100 meters of river bank** were restored and stabilized, **500 trees and shrubs** were planted through the riparian zone and along the slope, and **3,000 willow stems installed** as part of an innovative bioengineered stabilization project.

More than **111,500 trees and shrubs** raised in TRCA nurseries were planted on private land, **164,200 on Authority lands**, **25,400 on municipal properties**, and **101,300 on federal or provincial lands**.

A total of **168 different bird species** were identified at Tommy Thompson Park in the spring and **163** in the fall.

A total of **21 hectares of wetlands were restored**, more than **21 hectares of riparian property** were replanted, and **740 metres of stream lands** were repaired, restored and renaturalized.



The programs of The Living City all rely on their participants' collective commitment to create more environmentally friendly urban spaces.

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The Living City brings together individuals, businesses, school boards, community groups and all three levels of government to develop and implement innovative programs that will allow our cities to grow and thrive today and well into the future.

The programs of The Living City – programs like the Mayors Megawatt Challenge, Greening Health Care and Carbon Competitive Cities – all rely on their participants' collective commitment to create more environmentally friendly urban spaces. Teachers and students, large corporations and small business owners, hospitals, municipalities, builders, consultants and individual residents are all needed to complete our region's metamorphosis into a cleaner, more beautiful place to live.

### HIGHLIGHTS

**Hospitals cut energy use while saving money through the Greening Health Care Program.**

- Member hospitals work collaboratively to achieve their environmental and cost efficiency targets by cooperating through an on-line

energy performance management system.

Through December 2011, members have cut their greenhouse gas emissions by 5,296 tonnes over their 2010 totals, while saving more than \$1.2 million in energy costs. They also managed to reduce water consumption by 8.2 per cent.



**Participants in the Mayors Megawatt Challenge cut energy use and water consumption by 8 per cent.**

- Collectively, 147 municipal buildings with a total floor area of more than one million square metres have been registered. The participants were able to cut energy use by 21,647 MWh over 2010 totals and water consumption by 8 per cent.

**Phase One of the Visitors' Centre retrofit at The Living City Campus at Kortright gives visitors new insight into the heart of the forest.**

**Canada's first outdoor photovoltaic test facility at The Living City Campus at Kortright instills confidence in Ontario-made solar modules.**

- The Campus launched its outdoor PhotoVoltaic Performance Verification (PVPV) facility to provide quality assurance testing for Ontario-made photovoltaic modules. This one-of-a-kind research facility monitors the performance of PV modules from numerous manufacturers under Ontario's field conditions, and educates consumers about the true value of PV products by monitoring and recording their annual energy yield.

**Sustainable Technologies Evaluation Program (STEP) will help overcome the barriers to innovative water technologies.**

- TRCA was awarded a \$614,000 "Showcasing Water Innovation" grant by the Ontario Ministry

of the Environment to help promote water markets in the Greater Toronto Area and foster wider adoption of sustainable technologies and practices. The three year project will help address barriers to the adoption of innovative practices through technology demonstrations, effectiveness evaluations and knowledge transfer programming delivered at The Living City Campus, as well as 'real world' demonstration sites in residential and business communities.

**SolarCity Partnership monitors installations and develops best practices, and plays a critical role in supporting the solar industry and advancing implementation of this zero emission energy source.**

- The SolarCity Partnership published 16 performance assessments of urban solar installations in Toronto; designed a series of best practice decision-making tools; and launched a dedicated website that provides unbiased information and support to facility managers and building owners.

**GeoCities Partnership supported the development of geothermal systems with \$40,000 grant from the Toronto Atmospheric Fund and in-kind support from the Ontario Geothermal Association and the University of Waterloo.**

## BY THE NUMBERS

More than **50 different municipalities and organizations** attended four education and awareness workshops on district energy. In addition, **10 organizations collaborated** on a position paper to support changes to the rules for combined heat and power incentive programs in Ontario.



A 16-month study of 3 permeable paving systems at the Campus showed that green parking lots **cut stormwater runoff by an average of 36 %** compared with asphalt paving.

Some **300 sensors of various kinds** have been installed throughout the **Archetype Sustainable House** to measure and record thermal energy flow, air flow, water flow and humidity and electricity use.

STEP personnel made presentations at over **14 local and international events**, as well as hosting **15 sustainable technology workshops attended by over 700 participants**, a geothermal symposium and providing professional training on rainwater harvesting, low impact development, soil management, and erosion and sediment control.

Participants in the Greening Health Care and Mayors' Megawatt Challenge programs collectively saved over **1.8 million cubic meters of gas**. This equates to a reduction of nearly **4,000 tonnes of greenhouse gas emissions** in addition to the cost savings.

Our homegrown agricultural professionals provide local, healthy food and strengthen the economy.

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Here's how a humble urban tomato can combat global warming while boosting Ontario's economy...

Growing healthy, tasty food on urban farms means we don't have to import at least some of the foods we love from across the continent or halfway around the world. While that delicious, ripe, urban-grown tomato or cucumber is giving GTA communities a taste for local food, it is also eliminating thousands of wasted food transport miles and helping to mitigate the escalating impacts of climate change. Our homegrown agricultural professionals provide local, healthy food and strengthen the economy.



## HIGHLIGHTS

### First annual harvest festival gave Jane/Finch residents a taste of the Toronto Urban Farm.

- The first ever Jane and Finch Harvest Festival was a huge success, attracting 500 participants to the Toronto Urban Farm at Black Creek Pioneer Village. The Toronto Urban Farm is an innovative community development initiative that engages approximately 20 neighbourhood youths each year in urban organic farming, leadership development, environmental stewardship and health promotion.

### Another TRCA urban farm officially opens its barn doors in Albion Hills Conservation Area.

- TRCA officially launched its newest near urban agriculture venture – the Albion Hills Community Farm and Learning Centre. It is TRCA's third project to foster the long-term development of near urban agriculture on

TRCA land and help build more sustainable communities. In addition to producing lots of healthy organic food, the farm's education program includes hands-on workshops, school visits, community garden programs and demonstration plots that encourage community awareness about local food.

### The McVean Farm loads its "Harvest Table" with farm-fresh cuisine at annual fundraiser.

- The farmers of the McVean Incubator Farm celebrated their second annual Harvest Table. The funds raised went directly to supporting the incubator farm and the FarmStart programs, which help new farmers master the skills needed to produce sustainable, local foods.

## BY THE NUMBERS

TRCA's urban agriculture programs produced over **100 varieties of crops** and more than **200 tonnes of food**. **80 volunteers** helped increase community awareness around local food and sustainable urban agricultural practices, and **26 new farmers** were supported in starting their own farm business enterprises.

Fresh local food sourced directly from the Toronto Urban Farm and Albion Hills Community Farm was used by TRCA Food Services **in preparing meals at Black Creek Pioneer Village and the Albion Hills Field Centre.**

During 4 community days at TRCA urban farms, approximately **1,500 people participated** in various events to build community awareness around local food.





Planning and Development made significant gains in protecting, expanding and securing many pieces of the natural system.

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Every generation rebuilds and expands their city and its infrastructure to better meet their needs, to reflect their aesthetic sensibilities and, most importantly, to utilize the most recent innovations in building design, materials and efficient operation. We must ensure these redevelopers preserve our collective environmental and cultural heritage. And if this rebuilding process is properly planned and utilizes sustainable design principles, it should continuously improve the quality of life for current and future urban residents.

Planning and Development made significant gains in protecting, expanding and securing many pieces of the natural system into public ownership that beautify the new greenfield parcels being built out in the TRCA jurisdiction.

### HIGHLIGHTS

**2011 saw the largest number of Master Environmental Servicing Plans (MESPs) the department has ever had to review.**

- In working on development applications, staff took a cooperative project management approach, encouraging coordination among

all stakeholders early in the planning process, helping to strengthen partnerships and improve site design. Staff elicited a greater commitment from developers and municipalities to integrate low impact development and ecological design into their projects, moving these elements more into the mainstream of water management.

Below are just a few examples of Planning and Development files in which such accomplishments were made:

**Seaton, Pickering** – Staff worked co-operatively with the municipalities of Pickering and Durham and the landowners group to finalize the community planning environmental studies and environmental assessments for infrastructure that will support a new town of 70,000 residents. The MESP will provide the foundation for the protection and enhancement of the natural heritage system at the heart of this proposed community, totaling about 53 per cent of the total land base.

**Empire Developments, Toronto** – Staff facilitated the environmental rejuvenation of this old industrial area, supporting an urban intensification vision for the Waterfront site. We were able to bring landowners together to remediate flooding and erosion hazards and to restore valleyland natural areas as amenity lands.

**Bloomington Heights Subdivision, Whitchurch-Stouffville** – TRCA worked with the town and developer to bring this subdivision into closer conformity with the Oak Ridges Moraine Conservation Plan – protecting and acquiring valuable wetland and stream corridors, as well as avoiding a costly OMB hearing.

**Vaughan Metropolitan Centre, Vaughan** – TRCA worked with Vaughan and York Region to establish an innovative urban design vision that includes a new subway linkage and the restoration of the Black Creek system as an urban waterway.

**Dixie-Dundas Walmart, Mississauga** – In the redevelopment of this degraded brownfield site, staff worked with the City and the developer to achieve flood plain remediation and the restoration of the valley corridor of Little Etobicoke Creek. This application set a desirable standard for “big-box” development with the implementation of Low Impact Development (LID) techniques, including permeable pavement, infiltration galleries, porous pipes, biofilters and roof-top rain storage.

**Earl Bales SWM Pond, Toronto** – The Earl Bales Source Water Management (SWM) pond was constructed in the Don River watershed to retrofit SWM for a vast area of uncontrolled urban runoff, resulting in a 25 per cent reduction in sediment loadings to the Lower Don River.

**Brampton Special Policy Area (SPA), downtown Brampton** – A working group co-led by the City of Brampton and TRCA devised the terms of reference to study the river dynamics, as well as conducted research, gathered data and established the background for a SPA study.

## BY THE NUMBERS

In total, TRCA jurisdiction is home to **15 Special Policy Areas (SPAs)**, all of which received applications for development and underwent some form of comprehensive review, including Brampton, Vaughan, Richmond Hill, and Toronto.

**85 % of the total applications** processed met the service delivery timelines set by the provincial guidelines of the Conservation Authority Liaison Committee (CALC).

TRCA reviewed **17 Master Environmental Servicing Plans (MESPs)**, the most significant workload in any year to date. Official Plan Amendment (OPA) reviews throughout the jurisdiction totaled 12. Staff handled **658 planning applications, issued 966 permits, and issued 77 violations.**



These projects serve as catalysts for further community engagement.

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SNAP showcases green opportunities while meeting important neighbourhood needs.

The three SNAP pilot projects generated a locally tailored action plan and launched exciting demonstration projects that strategically address both key issues and community interests. These projects serve as catalysts for further community engagement and provide an opportunity for pilot testing implementation strategies that can be applied elsewhere.



## HIGHLIGHTS

Industry groups, private suppliers and utilities sponsor the Green Home Makeover.

- Working relationships with sponsor/suppliers and local utilities have led to further partnerships for the longer term delivery of a coordinated, neighbourhood-wide residential retrofit program and incentives.

Black Creek SNAP projects showcase key retrofit actions to the broader community.

- Groundbreaking began at 2999 Jane Street, the site of the JFCFC's Centre for Green Change. TRCA led the design of several naturalized gardens, permeable walkways and raingardens to treat driveway runoff. In addition, a rainharvesting demonstration project was installed at a low income senior's residence at 35 Shoreham Drive, where two supersized rain barrels were installed to supply a sustainable water source for the residents' vegetable gardens.

Front Yard Makeover demonstration projects will profile eco-landscaping.

- As part of the Lake Wilcox SNAP program, homeowners of two private residential lots in Oak Ridges were selected by jury to receive free Front Yard Makeovers. A landscape designer has been engaged to create customized front yard designs that marry contemporary design with the latest in ecologically sound technologies and practices. The gardens will be installed in 2012 and feature rain gardens, native and water-efficient plants, canopy trees, permeable paving and high-capacity rain barrels.

## BY THE NUMBERS

SNAP estimated that **20% of the plantable ground** in the Black Creek neighbourhood can be used to **produce 20% of this community's vegetable** needs.

TRCA, the Region of Peel and City of Brampton hosted the **County Court Neighbourhood Festival**. The free family event that included a free BBQ and prizes, exciting ideas and eco-products for home and garden renovation, a "Kids Zone" and learning workshop.

The Federation of Canadian Municipalities announced a **Green Municipal Fund (GMF) grant of \$86,625** for the County Court SNAP program in Brampton and a **\$100,000 GMF** grant for the Lake Wilcox SNAP in Richmond Hill.



It was a year of renewed and expanded educational partnerships that are providing a solid foundation for future initiatives in 2012 and beyond.

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2011 was a year of continued growth for TRCA's education programs. Ongoing recovery from the economic slowdown saw increased school bookings, as well as an increase in private funding programs that supported school field trips for students from priority and lower income communities. It was a year of renewed and expanded educational partnerships that are providing a solid foundation for future initiatives in 2012 and beyond.

Community stewardship programs included a whole range of rewarding and enjoyable activities that raise environmental awareness, including hands-on demonstrations, private landowner workshops, healthy homes and garden sessions, and more. These programs prove that even the smallest community efforts will collectively impact the environment in a positive way when enough of us follow suit.



## HIGHLIGHTS

### The Monarch Teachers Network of Canada expands to seven communities in four provinces.

- With funding from The W. Garfield Weston Foundation, we provided seven two-day workshops in Ontario, Saskatchewan, Manitoba and New Brunswick that attracted a total of 150 participants and 65 volunteers. The Teaching and Learning with Butterflies workshop is offered by TRCA in partnership with the Educational Information and Research Center.

### Ontario EcoCentres certification program launches in 2011.

- Thirteen outdoor education centres from none organizations across the GTA took part in the Ontario EcoCentres pilot certification program. This is the first certification program for education centres that entails supporting and improving all aspects of sustainability, including social equity. It was developed through a partnership led by TRCA that included Peel District School Board, Downsview Park, the Toronto Zoo, York Region District School Board, Royal Botanical Gardens, Conservation Halton, Centre for Urban Ecology at Humber Arboretum and the Education Alliance for a Sustainable Ontario.

### Partners in Project Green support Kids in Nature Corporate Challenge.

- In partnership with Earth Rangers, TRCA launched the Partners in Project Green Kids in Nature Corporate Challenge. This is a fundraising campaign focused on engaging businesses in the Pearson Airport EcoIndustrial Park to financially support priority schools within the communities surrounding Pearson Airport.

### Painting a picture for water conservation.

- TRCA partnered with ecoCaledon for the first annual Rain Barrel Artist's Collection. The goals of this project were to: promote the use of rain barrels for single family dwellings; promote water conservation; and educate the public about the re-use of rain water at home.

### Conservation Youth Corps is passionate about the environment.

- TRCA piloted a program to engage high school students in outdoor work, introduce them to TRCA as a potential employer and help them achieve 35 of the 40 community service hours required to graduate. A total of 24 participants and their crew leaders replaced a bridge, cleared brush from trails, resurfaced trails, painted buildings, removed silt fencing from restoration sites and assembled picnic tables.

## BY THE NUMBERS

From April 2009 through March 2011, nearly **1,000 students** from grades 3-8 grew **2,600 aquatic plants** in their classrooms and planted them at two wetlands at E.T. Seton Park and the East Don Parkland.

Approximately **47,000 students** took part in education programs at Black Creek Pioneer Village, an increase of close to **9% over the previous year**, showing the importance of cultural heritage programming to educators, as well as the effectiveness of our promotion efforts.

The first year of the Rain Barrel Artist's Collection project resulted in **11 rain barrels** being designed and painted by residents of Peel, and **over \$1,400 being raised** for environmental education programs offered by ecoCaledon.

In its first year of operation, **24 students compiled a total of 840 volunteer hours** maintaining trails, clearing brush, and creating habitat as part of the Conservation Youth Corps Program.





Bathurst Glen converted all applicable equipment to the use of bio-based oils and lubricants.

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### HIGHLIGHTS

#### Black Creek Pioneer Village enjoys a successful year.

The creation and expansion of new heritage education programming at Black Creek Pioneer Village resulted in a significant increase in attendance and revenue. Some developments included the following:

- The Laskay Emporium was restored as a 19th century General Store and re-opened to the public, adding an essential historical element that had been missing in the re-created Village.
- Seven new automatic door openers were installed in Visitor Centre, increasing accessibility for young, old and physically challenged visitors to the centre's meeting rooms, exhibits, gift shop and washrooms.

- The Black Creek Historic Brewery created a batch of brown ale from barley and hops grown on-site, making ours the only brewery in North America to do this with no electricity.



## Bathurst Glen Golf Course continues to grow its business.

Bathurst Glen converted all our applicable equipment to the use of bio-based oils and lubricants. This move reduces pollution, health and safety risks and our dependency on fossil-based products, while saving energy, prolonging engine life and cutting maintenance costs. We increased the number of rounds by 800, which in turn, created an additional \$35,000 in revenue.

## Re-opened Glen Rouge Campground attracts over 1,200 reservations.

TRCA entered into a long-term License Agreement with the City of Toronto for the operation of Glen Rouge Campground. The only campground located within the City of Toronto, Glen Rouge

Campground is nestled within the Rouge Park system on the banks of the Rouge River. TRCA also partners with Native Child and Family Services of Toronto (NCFST) which uses Glen Rouge Campground year round for various events, including an annual BBQ and rituals.

## New eco-friendly water play facility at Heart Lake incorporates green technology.

- TRCA celebrated the official opening of the Wild Wetland Splash. The project incorporated green technology in the lighting used and an eco-friendly water management system. Funding was provided by the Recreational Infrastructure Canada (RIInC) Program, the Ontario Recreation Program and TRCA. Since opening, it is already attracting 30 per cent more visitors to the park to enjoy a wide variety of recreational pursuits.

### BY THE NUMBERS

The Albion Hills Conservation Area Trail Enhancement Project added **20 kilometres of new mountain biking and fitness trails** in order to meet current public demand, while resurfacing, widening and enhancing the existing trails system.

The Black Creek Historic Brewery launched its **Black Creek Pale Ale** in select LCBO stores.

Bathurst Glen reduced its application of class 9 pesticide active ingredients by approximately **40%**. These numbers put Bathurst Glen in the top percentile of low AI use in Ontario.





We continued to strengthen our relationships with the Aboriginal communities whose ancestral territories overlap current TRCA lands.

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TRCA is lauded for its Aboriginal engagement with First Nations and Métis communities.

We continued to strengthen our relationships with the Aboriginal communities whose ancestral territories overlap current TRCA lands. First Nations archaeological liaisons were sent by their communities for two different excavations, one near the lakeshore by Duffins Marsh and one in the Oak Ridges Moraine at the headwaters of the Humber.

2011 was also the second season of our partnership with the Association of Professional Archaeologists for the training of new archaeological liaisons. Members from Williams Treaty First Nations expanded their fieldwork skills and gained experience on TRCA archaeology projects alongside our staff.





# SUSTAINABLE COMMUNITIES

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## HIGHLIGHTS

**Consulting Archaeology assessments uncover and protect a number of new sites.**

- **Bolton Access Road** – An archaeological assessment was conducted for the Region of Peel on TRCA lands to the west of Bolton. Three new cultural heritage resources were identified.
- **East Lake Wilcox Redevelopment** – The termination of Olde Bayview Avenue and the creation of a cul-de-sac near Lake Wilcox in Richmond Hill resulted in a test excavation at the Lost Brant site. Lost Brant is a multi-component Aboriginal site with artifacts representing over 8,000 years of repeated seasonal occupation.
- **Claireville Conservation Area Trail** – Along one 350-metre stretch of the trail, five pre-contact Aboriginal campsites and one Historic period site are being avoided for long-term protection and educational interpretation.

- **Humber Marshes** – The City of Toronto and TRCA are working to renaturalize and enhance habitat along the lower Humber River. This area along the ancient Toronto Carrying Place Trail is of high cultural potential, given the marsh and remnant Oak Savanna environments.

**Archaeological Education connects residents to the cultural past of their neighbourhoods.**

- More than 800 people participated in the archaeology activities and/or talked to the staff archaeologists at their information displays. The long-standing Boyd Archaeological Field School took a hiatus in 2011 to focus on reporting, restructuring, and recruiting in a newly formalized partnership between TRCA Archaeology and Education.

## BY THE NUMBERS

TRCA archaeologists implemented the new **Standards and Guidelines for Consultant Archaeologists** (Ontario Ministry of Tourism and Culture, 2011).

A total of **85 archaeological assessments** were conducted.

Archaeological assessments were undertaken across all of TRCA's watersheds, including **16 in the Don, 5 in the Duffins, 3 in the Highland, 4 in the Etobicoke, 5 near the waterfront, 14 in the Rouge and 38 in the Humber.**

**13 volunteers** assisted in the lab and/or in the field, contributing more than 600 hours to the increasing knowledge base of Ontario's archaeological record.

TRCA Archaeology led or participated in **15 archaeological education events** for students and the general public at heritage fairs, libraries, open houses, guided walks and other venues.

A total of **16 new archaeological sites were found and registered.** Of these new sites, **94%** can be protected from land-altering activities.



We are streamlining our services to better serve our external and internal clients.

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Business Services are transforming the way we do business. By taking advantage of innovative technologies and software, TRCA is finding new ways to talk to our partners, municipal staff, stakeholders, clients, volunteers and the general public.

We are putting more of our publications on-line – like this Annual Report, for instance – to save paper and reach a wider audience. We are streamlining our services to better serve our external and internal clients. We are building complex computer models to better forecast the changing environment of the future as well as creating interactive databases and mapping systems to handle the great mass of data we are accumulating today.

## HIGHLIGHTS

**TRCA's Continuous Sustainable Improvement teams work to streamline and improve procurement process.**

The main goals of our Continuous Sustainable Improvement (CSI) Program are to meet our internal and external customer needs sooner and to eliminate any activities that do not add value to our products and processes.

**Geomatics and GIS groups continue to make life easier for TRCA staff with ongoing development of browser-based mapping technology on the Adobe Flex Viewer platform.**

- GIS staff completed approximately 900 individual mapping and analysis requests in support of a wide variety of projects from Terrestrial Natural Heritage, Planning, Environmental Assessment, Source Water Protection, Regional Monitoring, Floodplain Mapping and many others.

**TRCA Database staff complete a number of databases and release key database-driven app.**

- Database staff assisted Lands Management in tracking management activities, Regional Monitoring organize and access over 27,000 water quality records, and Source Water Protection input over 175,000 records into a "Threats and Assessment" database.





TRCA initiated a project to help the water resource management community overcome knowledge and information barriers that were hampering climate change adaptation efforts.

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How do we anticipate and plan for the future in an era of continually changing climate and extreme weather risks? We do it by transforming how we see the world around us, employing new tools, training and partnerships to trace the complex environmental, social and economic connections and, thereby, better forecast the future.

TRCA initiated a project to help the water resource management community overcome knowledge and information barriers that were hampering climate change adaptation efforts. Through the National Compendium on Water Resource Adaptation to Climate Change, more than 70 of Canada's top water experts, key stakeholders and policy makers are sharing their work, findings and ideas. Funded by Natural Resources Canada, the project is being implemented in collaboration with the Canadian Foundation for Climate and Atmospheric Sciences (CFCAS), the Canadian Water Resources Association, the Institute for Catastrophic Loss Reduction, and Conservation Ontario.



## HIGHLIGHTS

**New 'Training and Tools' package will help water managers better understand the impacts of climate change.**

- TRCA and our partners have developed a set of tools to facilitate the integration of climate change into the province's Source Water Protection Program. The training is based on a guidance document developed by Ministry of Natural Resources (MNR), "Guidance for the Assessment of the Hydrologic Impacts of Climate Change." The initiative has been carried out in partnership with York University, the Ministry of the Environment, MNR, Natural Resources Canada's Regional Adaptation Collaborative Program, and Conservation Ontario.

**The WeatherWise Partnership: Our municipal partners are leading the way.**

- The City of Toronto and CivicAction convened the WeatherWise Partnership, a group of more than 50 public, private and not-for-profit organizations from across the Toronto region with a mandate to work together to better

protect the region's residents, organizations, infrastructure and environment from extreme weather. This will be used to identify climate information to be used in an electricity sector-focused risk assessment for the Toronto region.

**Peel Region leads the way in collaborative climate change planning**

- For the first time in Canada, a region municipality has successfully launched a collaborative climate change planning initiative, working with area municipalities and Conservation Authorities. The Climate Change Strategy was adopted by Peel Regional Council. Together with its partners, the City of Brampton, Town of Caledon, City of Mississauga, Credit Valley Conservation and TRCA, the Region is demonstrating real leadership by committing to local action to combat the global challenge of climate change.

## BY THE NUMBERS

TRCA and York University hosted the first Canadian screening of the Oscar-nominated documentary, ***Sun Come Up – A story of the world's first climate change refugees.***



The Corporate Social Responsibility Program (CSRP) tracks organizational progress in three areas: economic, social and environmental.

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TRCA's Corporate Social Responsibility Program (CSRP) enables TRCA to manage its operational sustainability. The CSRP tracks organizational progress in three areas: economic, social and environmental. In addition to progressing toward more sustainable operations, a major objective of the CSRP is to provide our stakeholders with a transparent view of TRCA's social and environmental performance.



Although we are in the Living City business, we recognize that our daily operations can negatively impact the environment and society. The operation of vehicles and equipment, energy consumption, the products we buy, how we manage our lands, what we do with our waste, and how well we satisfy our stakeholders, all of these speak to our operational sustainability.

## CARBON FOOTPRINT

In 2011, TRCA continued upgrading the waste management system in public use areas in order to achieve more effective recycling and increase our diversion rates from landfill. Our conservation areas continued their progress toward Audubon Cooperative Sanctuary designation, a much coveted third-party international program recognizing sustainably operating parks and public spaces. TRCA continued engaging staff through its CarbonCats program, offering sustainability tips, information on our corporate progress, and sustainability themed competitions for reducing travel and saving energy, at home, and at work.

## HIGHLIGHTS

Since its inception in 2003, the CSRP has assisted in, monitored, and reported on many TRCA successes.

- Continued energy and waste savings reduced our corporate carbon footprint by 121 tonnes, or 4 per cent, from 2010.
- First year of operation of the EcoCentres environmental certification program.
- Continued the EcoOffices certifications at four TRCA workplaces.
- Upgraded the CSR program's utility data management tracking system.
- Installed lighting and HVAC efficiency upgrades at conservation area buildings and Claremont Field Centre.

## BY THE NUMBERS

We conducted **lighting and energy audits** at 4 TRCA facilities, and installed **lighting and HVAC efficiency upgrades** at conservation area buildings and Claremont Field Centre.

2011 marked the first year of operation of the **EcoCentres environmental certification program**, while we continued the EcoOffices certifications at four TRCA workplaces.

TRCA's ongoing energy conservation and waste reduction programs shrunk our corporate carbon footprint by **121 tonnes, or 4%**, from the previous year.

Completed a feasibility study into replacing **5 TRCA vehicles with electric cars**.



Productive, satisfying and meaningful employment is a major driver of personal well-being and collective economic vitality.

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Our professional employment and volunteer initiatives make the GTA a more welcoming place.

Productive, satisfying and meaningful employment is a major driver of personal well-being and collective economic vitality. By connecting employers with highly skilled and competitive candidates from all over the world, TRCA is helping to offset the looming environmental skills shortage, while promoting and fostering a diverse workforce. In response to the overwhelming demand for the Professional Access and Integration Enhancement (PAIE) Program and The Mentoring to Placement (M2P) Program, we have expanded our services and are continuously exploring opportunities to reach a much larger audience.

M2P and PAIE were delivered in collaboration with the Professional Engineers Ontario, the Association of Professional Geoscientists of Ontario, Ryerson University, JVS, Skills for Change, ACCES Employment, MCB Solutions and A2Z Technical Services.

Over the years, 11,860 individuals have volunteered numerous hours of their time at TRCA, making our environment a better place to live. We welcomed 570 new volunteers to the Environmental Volunteer Network (EVN), expanding our pool of committed and enthusiastic volunteers to over 3,000.

## HIGHLIGHTS

**PAIE Program participants hail from 27 countries around the world, from Albania to Zambia.**

- PAIE links employers in TRCA's network with highly skilled candidates, while helping newcomers to obtain valuable Canadian experience and obtain a professional license as an engineer, geologist or hydrogeologist. In total, the 29 PAIE participants obtained a total of 39 professional licenses and certifications to further their careers and make them more competitive in the labour market.

**M2P Program celebrated the graduation of 40 participants, all newcomers to Canada from 19 different countries.**

- The program helps participants learn about local practices, legislation, workplace culture and communication, and the environmental industry in Canada through mentorships, occupation-specific workshops, coaching and work experience opportunities in their field. The 70 mentors recruited for the M2P program proves that the environmental sector is willing to give a "hand up" to internationally trained individuals.



### In Memoriam

In January 2012, dedicated and long-time volunteer Andrew Jano lost his battle with cancer.

Volunteering for Andrew Jano meant waking up long before the crack of dawn, patiently watching and waiting for nervous nesters, staying up far too late for a chance to band an owl, and spending hours in front of a computer analyzing data. You see, Andrew was just one of a dedicated group of volunteers who help TRCA operate the Tommy Thompson Park Bird Research Station. Andrew's passion for birds, his laughter and kindness will not be forgotten.

Thank you Andrew.

## BY THE NUMBERS

**39 TRCA volunteer opportunities** were posted on the Environmental Volunteer Network (EVN) seeking over 1,000 volunteers. **8 TRCA divisions** are working with volunteers on **25 different sections or projects.**

**647 internationally trained professionals** applied for the **80 available spots** in our programs, demonstrating the great interest in and need for these services.

**11 external organizations** posted opportunities on the EVN for **530 volunteers.**

**280 volunteers** reported having completed 30 or more volunteer hours at TRCA.

A total of **585 hours of workshops and training** were delivered to clients through both programs.





By year end, we had celebrated our 50th birthday, changed our name to The Living City Foundation and created a new logo.

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2011 was a big year for The Conservation Foundation of Greater Toronto. By year end, we had celebrated our 50th birthday, changed our name to The Living City Foundation and created a new logo. While we boast a new name and new look, our vision remains the same: a new kind of community, The Living City, where human settlement can flourish forever as part of nature's beauty and diversity.

### BY THE NUMBERS

The Foundation **raised about \$2 million** to make the Toronto region a cleaner, greener, healthier place to live.

We began a campaign to recruit over **1,000 monthly supporters** of The Living City Foundation. Each of these "Living City Explorers" receives an Explorer Pass offering exclusive opportunities to experience The Living City.

The keynote speaker at the Charles Sauriol Environmental Dinner was **Michael Smith**, one of Canada's best-known chefs and a passionate advocate for simple, sustainable home cooking.



## Auditor's Report

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www.GrantThornton.ca  
Grant Thornton LLP. A Canadian Member of Grant Thornton International Ltd

## FINANCIAL OVERVIEW

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### To the Members of the Toronto and Region Conservation Authority

We have audited the accompanying financial statements of Toronto and Region Conservation Authority ("TRCA"), which comprise the statement of financial position as at December 31, 2011, and the statements of operations, changes in net debt, and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

#### Management's responsibility for the financial statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

#### Auditor's responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

#### Opinion

In our opinion, the financial statements present fairly, in all material respects, the financial position of TRCA as at December 31, 2011, and the results of its operations, changes in net debt, and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.

#### Other matter

Without modifying our report we draw attention to the budget figures which are provided for comparative purposes only. They have not been subject to audit procedures. Accordingly, we do not express an opinion on the budget figures.

*Grant Thornton LLP*

Markham, Canada  
June 22, 2012

Chartered Accountants  
Licensed Public Accountants

December 31	2011	2010
<b>Financial Assets</b>		
Cash and cash equivalents	\$ 10,423,135	\$ 9,680,564
Marketable securities	17,632,428	13,809,132
Receivables	11,577,508	12,440,449
	<b>39,633,071</b>	35,930,145
<b>Liabilities</b>		
Payables and accruals	13,050,420	11,880,535
Deferred revenue		
Municipal levies	12,795,130	9,483,983
Capital, special projects and other	13,444,953	14,533,481
Vacation pay and sick leave entitlements	1,681,680	1,880,611
	<b>40,972,183</b>	37,778,610
<b>Net Debt</b>	<b>(1,339,112)</b>	(1,848,465)
<b>Non-Financial Assets</b>		
Inventory	420,206	488,353
Prepays	221,951	245,711
Tangible capital assets	420,577,021	402,233,964
	<b>421,219,178</b>	402,968,028
<b>Accumulated surplus</b>	<b>\$ 419,880,066</b>	\$ 401,119,563

### 1. Criteria for presentation of summary financial statements

The information selected by management for presentation in the Summary Financial Statements has been identified as being the most pertinent and useful financial data for inclusion in the Toronto and Region Conservation Authority (TRCA) annual report.

Audited financial statements are available on TRCA's official website.

On behalf of Toronto and Region Conservation Authority



Chair



Secretary-Treasurer



# Toronto and Region Conservation Authority

## Statement of Operations

# FINANCIAL OVERVIEW

Year Ended December 31

	2011 Budget (unaudited)	2011 Actual	2010 Actual
<b>Revenue</b>			
Municipal			
Levies - Operating	\$ 11,724,000	\$ 11,723,828	\$ 11,532,985
- Capital	35,017,260	23,753,058	19,023,309
Other	5,878,000	2,817,980	9,512,054
Government grants			
MNR transfer payments	846,000	845,753	845,753
Provincial - other	7,071,400	4,842,853	6,102,964
Federal	2,888,600	1,824,839	2,533,796
User fees, sales and admissions	15,390,000	14,687,384	13,834,661
Investment income	340,000	511,853	321,342
Proceeds from sale of properties	699,000	379,243	3,806,025
The Living City Foundation	1,205,000	1,583,368	1,233,689
Donations and fundraising	1,049,000	2,413,827	478,058
Facility and property rentals	2,414,000	2,510,032	2,787,019
Canada Post Corporation agreement	665,000	11,964	8,868
Waterfront Toronto	10,381,000	6,571,012	6,796,768
Corporate and Community Groups	2,144,000	1,099,996	1,145,918
Contract services	7,873,000	8,669,380	9,134,950
Sales and property tax refunds	135,000	265,916	289,272
Compensation agreements	734,000	284,928	674,440
Sundry	1,300	49,502	16,779
	106,455,560	84,846,716	90,078,650
Less: cost of sales of tangible capital assets included above	–	(247,289)	(363,653)
	106,455,560	84,599,427	89,714,997
<b>Expenditures</b>			
Watershed management and health monitoring	14,281,000	11,380,293	12,273,577
Environmental advisory services	5,144,000	4,970,606	4,525,335
Watershed stewardship	28,577,260	21,053,568	18,902,434
Conservation land management, development and acquisition	32,784,000	22,761,160	28,141,902
Conservation and education programming	19,164,300	17,461,480	17,745,867
Corporate services	7,759,000	6,879,516	6,428,272
Vehicle and equipment, net of usage charged	–	(77,353)	145,580
	107,709,560	84,429,270	88,162,967
Less the following included in expenditures:			
Tangible capital asset expenditures	–	(15,896,287)	(20,817,231)
Contributed tangible capital assets	–	(8,697,966)	(1,123,586)
Expenditures before amortization	107,709,560	59,835,017	66,222,150
Amortization	–	6,003,907	5,902,164
	107,709,560	65,838,924	72,124,314
<b>Surplus for the year</b>	\$ (1,254,000)	\$ 18,760,503	\$ 17,590,683

# MEMBER MUNICIPALITIES AND MEMBERS

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<b>Town of Mono &amp; Township of Adjala-Tosorontio</b>
G. Mason
<b>The Regional Municipality of York</b>
D. Barrow *
M. Di Biase *
J. Heath *
L. Pabst
G. Rosati
<b>The Regional Municipality of Durham</b>
C. Jordan *
D. Ryan
G. L. O'Connor (Chair)*
<b>The Regional Municipality of Peel</b>
B. Callahan
C. Fonseca
J. Sprovieri
J. Tovey *
R. Whitehead *
<b>City of Toronto</b>
P. Ainslie
M. Augimeri *
B. Cachola (October – December) *
R. Chopowick (October – December)
V. Crisanti *
B. Bertie (January – October) *
L. Bruce (January – October)
G. Cowbourne (January – October) *
G. De Baeremaeker *
P. Gough (January – October)
L. Griffin (January – October)
M. Khan (October – December)
C. Lee
G. Lindsay Luby
M. Mattos (October – December) *
P. Milczyn
J. Parker
A. Perruzza *
C. Thorburn (October – December)

# DIRECTORS COMMITTEE

<b>Chief Administrative Officer/Secretary- Treasurer</b>
Brian Denney
<b>Director, Watershed Management</b>
Adele Freeman
<b>Director, Finance and Business Services</b>
Jim Dillane
<b>Director, Planning and Development</b>
Carolyn Woodland
<b>Director, Restoration Services</b>
Nick Saccone
<b>Director, Parks and Culture</b>
Derek Edwards
<b>Director, Ecology</b>
Deb Martin-Downs
<b>Director, Human Resources, Marketing And Communications</b>
Catherine MacEwen
<b>Chief Financial Officer</b>
R. Sgambelluri

\* Executive Committee Members

# AWARDS

## MEMBER AWARDS

Annual Authority Meeting, January 28, 2011: Date Awarded

### Current Members

### Past Members

#### Three-year Silver Logo Pin

Bryan Bertie  
Laurie Bruce  
Pamela Gough  
Jack Heath  
John Parker  
Anthony Perruzza  
Gino Rosati

Eve Adams  
Grant Gibson  
Bonnie Littlely

#### Six-year Gold Logo Pin

Gay Cowbourn  
Glenn De Baeremaeker  
Colleen Jordan  
Glenn Mason  
John Sprovieri

Bill Fisch

#### 10-year Appreciation Certificate

Peter Milczyn  
Richard Whitehead  
C. Thorburn (October – December)

## STAFF AWARDS

Annual Authority Meeting, March 25, 2011: Date Awarded

### 10 Years Full-time

(\$100 cash gift and a silver lapel pin)

Amanda Billeter, Gary Bowen, Wayne Bunt, Lori Cook,  
Michael Correa, Ryan Doody, Jamie Duncan, Jake Elleker,  
Susan Hayes, Steve Joudrey, Stephen Lenstra,  
Doreen McCarty, Moranne McDonnell, Ericka Miranda,  
Craig Mitchell, Mary Jane Moroz, Adrian O'Driscoll,  
Sherry Pederson, Leslie Piercey, Anne Reesor,  
Jason Tam, Nicholas Tanczos, Amy Thurston, Lisa Valente,  
Tim VanSeters and Rick Wilson

### 10 Years Part-time

(\$100 cash gift and a silver lapel pin)

Linda Cholmondeley, Elisa Ecker, Jessie Francavilla,  
Nancy Kinsman, Joe Kwong, Jose Martinez,  
Peter Nixon, Ian Schell, Miriam Smith and  
Timothy Wilson

### 15 Years

(\$200 cash gift and a gold lapel pin)

Tom Campitelli, Janette Lewis-Cridland, Viola McPhee,  
Danny Moro, Leslie Piercey, Adrian Pressacco,  
Wendy Rowney and Vickie Wideman

### 25 Years Full-time

(Gift of choice from a catalogue of items provided by TRCA)

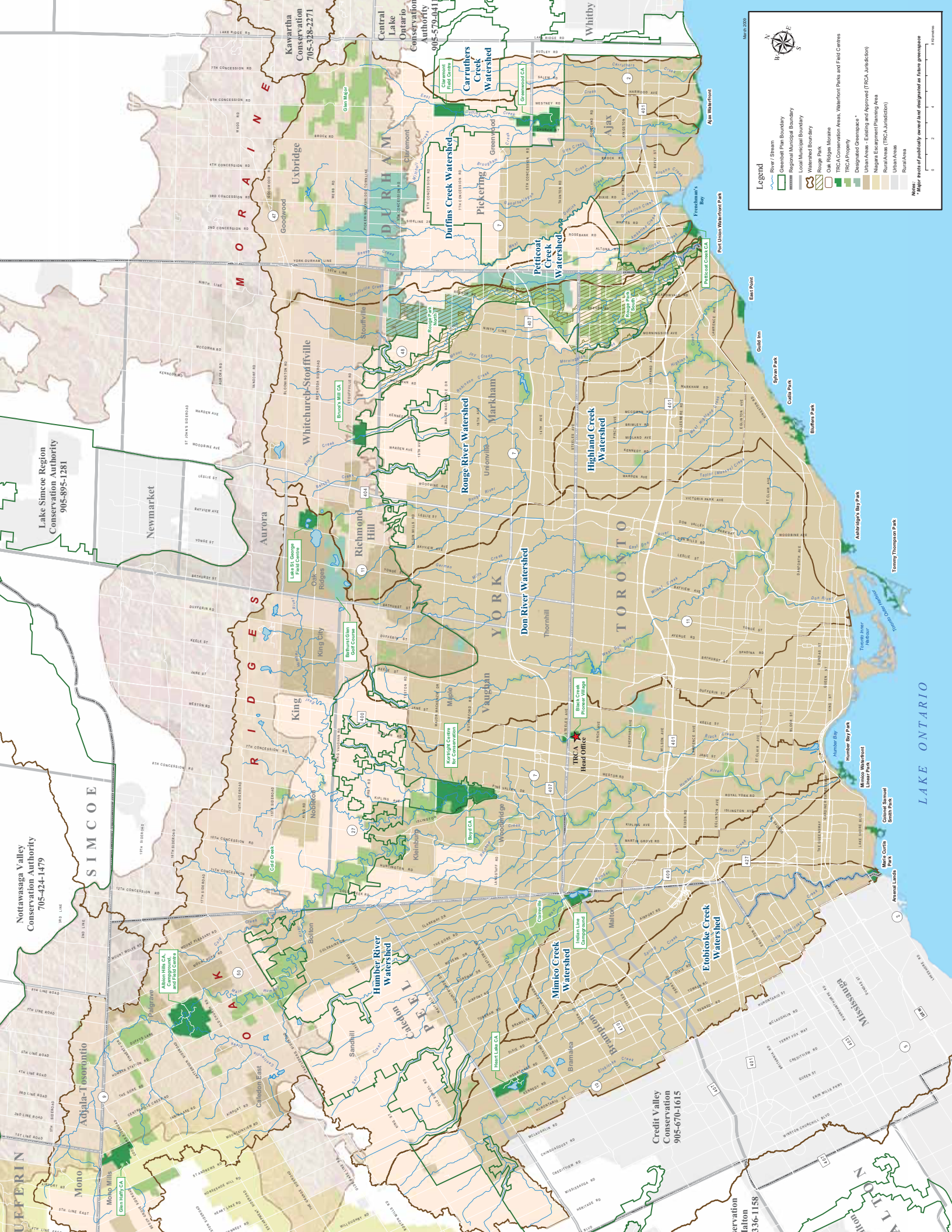
Adele Berchtold, Lori Colussi, William Jewell, Eric Lemon,  
Grant Moravek, Mark Preston, Nick Saccone,  
Alex Waters, Diane Wilson and Ed Williams  
(Ed Williams was retired in 2011 after 24 years of service)

### 25 Years Part-time

(\$200 cash gift and a gold lapel pin)

Carole Whelpdale





Nottawasaga Valley  
Conservation Authority  
705-424-1479

Lake Simcoe Region  
Conservation Authority  
905-895-1281

Credit Valley  
Conservation  
905-670-1615

Conservation  
336-1158

March 2020

River / Stream

Greenfield Plan Boundary

Regional Municipal Boundary

Local Municipal Boundary

Watershed Boundary

Rough Park

Oak Ridge, Moraine

TRCA Conservation Areas, Waterfront Parks and Field Centres

TRCA Property

Designated GreenSpace\*

Urban Areas - Existing and Approved (TRCA Jurisdiction)

Negate Escarpment Planning Area

Rural Areas (TRCA Jurisdiction)

Urban Areas

Rural Areas

North Arrow

Scale Bar

Notes:  
\*Major roads of provincially owned land designated as Urban GreenSpace





*Member of Conservation Ontario*

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**[www.trca.on.ca](http://www.trca.on.ca)**