

What's important
is that **children** have
an opportunity to
bond with the natural
world, to **learn to love** it,
before being asked to
heal its wounds.



Lake Simcoe Region
conservation authority

2016 ANNUAL
REPORT

Table of *contents*

2

Message from CAO

3

Message from Chair

4

Strategic Plan
Progress Report



6

Driving a New Stormwater Paradigm
From Pavement to Paradise
Saving Wildlife from Roads
Low Impact Development
Demonstration Projects

8

Responding to the Urban Challenge
Rain Gardens
Run for the Trails
New Boat Set to Survey Lake Simcoe



10

Engaging Youth

12

Strategizing Stewardship Opportunities

Nature Counts:

Our Second Annual BioBlitz

Reducing Our Environmental Footprint

New Environmental Monitoring

Open Data Portal

Big Impact from Low Impact Lot

14

Maskinonge Showing
Signs of Recovery

Beaver River Trail Expansion

Environmental Champions
Take the Stage

Our Word on Weeds

New Website Makes Sense

16

ClimateWise Business
Network Membership

Leading in Freedom

In the Spotlight

Keeping a Face on Frontline

Annual Report Receives Accolades

Staff Accomplishments

Expanding our Planning Services

18

Financial
Summary

20

2016
Board of
Directors





Message from our CAO

Working at LSRCA for the past 30+ years, I notice the moments... the points at which things change. Sometimes change happens incrementally, sometimes with great effort and sometimes all at once. Amidst this year's highlights, none was more apparent than the passing of our new stormwater management guidelines—which took place after significant effort involving our provincial and municipal partners and the BILD industry.

The passing of our new stormwater management guidelines represents a paradigm shift in how we manage stormwater. It's one we hope to see expand across the entire province. This paradigm shift moves away from managing stormwater via stormwater ponds to on-site management through low impact development techniques. Because stormwater, if not managed properly, can have a major negative impact on the lake's health, we see this shift as a major step forward for Lake Simcoe.

While these guidelines took centre stage, 2016 was also filled with new beginnings. We have now just wrapped up the first year since the launch of our new five-year strategic plan and we've got some exciting progress to report on.

Thanks to a donation from the Lake Simcoe Conservation Foundation, we welcomed a new member to our science and research team—Hexagenia—our brand new research vessel. Hexagenia will sail the waters of Lake Simcoe throughout the boating season, allowing our researchers to collect the data that directs our actions.

Our outreach with youth, who are our leaders of tomorrow, continues to grow and expand. This is due to the phenomenal work of our exceptional outreach educators, all of whom are eager to explore new and novel ways to engage youth.

At our main office in the Town of Newmarket, we undertook a major redesign of the parking lot to, amongst other things, improve emergency access. The construction presented us with an opportunity to incorporate multiple low impact development techniques in our own design, so that our lot now serves as a demonstration site.

Our on-the-ground restoration projects continue to proceed—these efforts contribute to healthier communities in a real and perceptible way. An example of this is the Maskinonge River, considered one of our most degraded systems, which is now showing signs of recovery.

I continue to be impressed with the passion that our team brings to their work, and with what we achieved this past year. I invite you to take a moment to read the pages that follow and see for yourself!

Mike Walters,
Chief Administrative Officer





Message from our Chair

A theme that continues to surface, and became increasingly apparent in 2016, is the growing recognition that we are never finished learning. When we talk about education, often the first thought that comes to mind is formal, school-based learning. But education is much more than that. From our perspective, education refers to the endless journey of acquiring new knowledge from our planet's most prolific teacher—Nature.

In decades past, our societal ambition was to overcome and to control nature—in essence, to guide it in our ways. But as a result of our continual hands-on learning through implementation, research and scientific discoveries, we now understand that nature should not, and indeed cannot, be coerced so easily.

As an organization that has come to understand our reliance on nature to teach us how to do our jobs, we have learned how to listen and take its advice. We've learned that trying to ignore or control the greatest natural force in our world is not only misguided, but it also comes at a cost—in the form of poor water quality, flooding and general degradation of our natural surroundings.

In 2016 we completed critical work that takes our learning and puts it into action. We seized the opportunity to advocate for a new way of managing water within development, that more closely mimics the natural water cycle. These changes are contained within our new stormwater management guidelines, and over time they will lead to more sustainable development that respects and supports the health of our watershed.

One of our crowning achievements in 2016 was the expansion of our outreach education programs. By including the Yellow Fish Road program, our Specialist High Skills Major program for youth, and our first-ever Seniors Interpretive Walk, we're connecting with people of all ages. We also applied our knowledge in one of the most exciting ways possible—by teaching teachers how to deliver outdoor education programs.

We're also working with schools to naturalize their school yards, transforming asphalt into green spaces where kids can connect with nature. Holding schoolyard naturalization projects, where we involve students in their own schoolyard transformation, ensures community involvement and support.

Others have joined with us to install rain gardens throughout the watershed. Each rain garden in and of itself, may be small, but the momentum is growing. As you'll see throughout the pages in this report, this year we've embraced the notion that, more often than not, Nature knows best.

Aurora Mayor Geoffrey Dawe,
Chair, Board of Directors

Strategic Plan Progress Report

Goal 1

Support a safer, healthier and livable watershed through exceptional integrated watershed management.

PRIORITY ACTIONS

- Engaged with neighbouring conservation authorities to expand our flood warning and forecasting emergency management system.
- Undertook research to develop a strategy to reduce winter road salt use.
- Established the basis of a collaborative with the insurance industry to reduce flood risks.
- Commissioned the development of low impact development design guidelines for large-scale parking lots to reduce stormwater runoff and impacts of salt and other contaminants.
- Developed the framework of a phosphorus offsetting program with the Ministry of Environment and Climate Change (MOECC).
- Continue to work on updating our rural stewardship program to be launched in spring 2017.
- Developed a new Urban Restoration Program to respond to the changing dynamics of the watershed. Program to be launched in early 2017.
- Formalized an agreement with MOECC to create a sediment and erosion control program in 2017.
- Began the Natural Heritage System Restoration Strategy for completion in 2017.
- Continue to green our business—constructed head office parking lot expansion using Low Impact Development features and we'll be installing rooftop solar panels in 2017.



Goal 2

Improve knowledge and increase certainty through excellence in research and scientific knowledge.

PRIORITY ACTIONS

- Built an online reporting tool to track and report on key environmental trends and share with the public in a user friendly format.
- Completed an open data portal to launch in early 2017.
- Partnered with Lakehead University to develop a Discovery Grant program for the Natural Science and Engineering Research Council of Canada to address carbon reduction across the watershed.
- Hosted the second citizen science-focused Bioblitz event at Scanlon Creek Conservation Area.
- Established a plan to identify knowledge gaps and then determine what implications each create for our business.

The Lake Simcoe watershed is

3,400 km²,

made up of

18 subwatersheds,

and houses more than

400,000 people



Goal 3

Create a more connected and engaged watershed community through education and engagement.

PRIORITY ACTIONS

- Launched several new program partnerships with school boards in the watershed and launched five new programs including programs for seniors and new Canadians.
- Expanded our reach to high school teachers through professional development training and to grade 11 and 12 Specialist High Skills Major students through the launch of our first certification course.
- Engaged pre-service teacher candidates.
- Partnered with Georgina's Healthy Kids Community Challenge to promote drinking water.
- Strengthened our alliance with First Nations through various activities: Georgina Island Pow Wow, Rama Health Fair, Georgina Island Fishing Day.
- Continue to expand our social media community, reaching more and more watershed residents, businesses and community groups.
- Completed the redesign and launched our service-focused website.

Goal 4

Build a stronger and more valued organization through business excellence.

PRIORITY ACTIONS

- Created a performance management module to set the stage for implementation of our Talent Management Strategy.
- Sponsored all-employee diversity and inclusiveness training sessions.
- Participated in Municipal Diversity and Inclusion Group (MDIG) to support the creation of a more accessible, diverse and inclusive workplace.
- Continue to work with municipalities to address issues of concern and to streamline services to meet their needs.
- Finalizing the process to transfer responsibility for the review of Environmental Compliance Approvals with MOECC.



Driving a New Stormwater Paradigm



The new technical guidelines set out by The Stormwater Management Policy Working Group represent both a paradigm shift within stormwater management in Ontario, and an outstanding collaboration between diverse organizations.

The driving force behind the project was the need to address the reality that traditional stormwater ponds were no longer achieving their intended purpose. We embarked on an ambitious plan to explore a new approach, bringing a number of diverse stakeholders to the table.

After almost two years in the making, the guidelines were brought before the Board of Directors for approval in June 2016, and implemented on September 1, 2016.

The guidelines cover development, including new development, redevelopment and infrastructure (roads, bridges, parking lots, etc). The net impact to residents will be a higher degree of safety from flooding. Our infrastructure (roads, bridges, water and sewer lines, etc.) will also be protected from catastrophic damage and the cost to maintain stormwater assets significantly reduced. The greatest impact will be on the health of our streams and Lake Simcoe.

Successful roll-out of the guidelines sets the stage for similar guidelines to be created across Ontario.



From Pavement to Paradise

Too many schoolyards have more than their fair share of paved areas where students get little exposure to nature, trees or wildlife.

If we are to ask our youth to protect our natural world when they grow up, then it's incumbent upon us to provide them with the experiences today so they know what they are protecting.

Working in partnership with schools throughout the watershed, we participated in 11 schoolyard naturalization projects, which included removing pavement, planting trees and installing natural features such as rain gardens. The result? Over 1,300 students and staff planted 1,280 trees on school properties in the watershed. Besides establishing relationships with the natural world, we are improving watershed health, increasing biodiversity and enhancing wildlife habitat.

SCHOOLYARD NATURALIZATION PROJECT HIGHLIGHTS IN 2016:

- Unity Christian High School in Barrie on Earth Day
- St. Nicholas Catholic School in Newmarket
- St. Joseph's Catholic School in Uxbridge
- Hillcrest Public School in Barrie



Saving Wildlife From Roads

In 2015, we began a project to identify the most dangerous roads for wildlife in the watershed.

The purpose was to pilot an idea to help reduce wildlife road mortality rates—installing barriers to direct wildlife away from roads and to safer passages. Based on the data collected in 2015, this year, we installed fencing at five high mortality locations to see if we could encourage wildlife to use culvert underpasses to cross the road, and reduce their chances of being hit by vehicles.

The preliminary results point to a remarkable success. Since the fencing installation, we've seen a 93% reduction in the number of turtles killed at these sites compared to 2015. Using wildlife cameras, we've also watched turtles using the culverts to cross under the roads, and documented numerous females laying eggs in nesting structures we created.

We've also held five workshops to educate municipal staff about the impacts that roads have on wildlife and are working to collaborate with them on future wildlife crossing projects.



Low Impact Development Demonstration Projects

Completed in 2016

1

LSRCA Parking Lot,
Newmarket

2

Forest Glen Road,
Newmarket

3

Coultrice Park,
Whitchurch-Stouffville

Since the fencing installation, we've seen a
93% reduction
in the number of turtles killed at these sites compared to 2015.



Responding to the Urban Challenge

The Western Creek catchment runs through the heart of downtown Newmarket. In recent years, residents have experienced unusual flooding, particularly during the intense downbursts that are becoming more and more commonplace.

Development has exacerbated the problem. That's because more roofs and paved surfaces mean less water can soak into the ground during a storm.

Recognizing that there are a multitude of factors that contribute to the problem of flooding, our response has been to incorporate several approaches:

- We've passed new stormwater management guidelines that require development to more closely mimic the natural water cycle. This helps water make its way into the ground where it falls, rather than run along hard surfaces and pool, causing flooding.
- We're working with our partners to upgrade existing development through incorporating low impact development techniques and collaborating to enhance and upgrade current stormwater features that may not be operating at peak capacity.

HOW WE'LL KNOW IF WE GOT IT RIGHT

We installed a monitoring station at the confluence of Western Creek and East Holland River a year ago to collect baseline data. This will allow us to compare the results from before restoration efforts with those after restoration efforts. We will report on the results in the coming years.



Rain Gardens Completed in 2016

Rain gardens help mimic the natural water cycle and minimize the amount of water entering traditional stormwater sewers.

Because stormwater is a major source of pollution to Lake Simcoe, the installation of rain gardens is one of the ways we're trying to help clean up Lake Simcoe.

This year, we've worked with landowners and others to install 12 residential rain gardens throughout the watershed, with one completed in Aurora, three in Barrie, one in Georgina and seven in Newmarket.

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with landowners and
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**12 residential
rain gardens**

throughout the
watershed.





The event, hosted by
Friends of Scanlon Creek
and the Lake Simcoe
Conservation Foundation,

raised \$6,670

to support the creation
of a new accessible trail
for all ages and abilities.



Run for the Trails

More than 110 participants enjoyed the beautiful fall landscape and crisp autumn weather at the third annual Run for the Trails event at Scanlon Creek Conservation Area on October 22.

The event, hosted by Friends of Scanlon Creek and the Lake Simcoe Conservation Foundation, raised \$6,670 to support the creation of a new accessible trail for all ages and abilities.



New Boat Set to Survey Lake Simcoe

Named after the scientific term for the mayfly—Hexagenia is the newest addition to our research crew, replacing the Ouentironk that had been in use since 2009 but was recently retired.

The name Hexagenia was chosen because mayflies are indicators of clean, unpolluted water. Naming our new boat the Hexagenia reflects our goal of cleaning up Lake Simcoe and making it a welcoming environment for the mayfly once again. Each summer, the Hexagenia will be seen on the waters of Lake Simcoe, where our researchers are gathering essential information to help us understand the current state, and emerging trends, issues and patterns.

Engaging Youth

If we want to change the world, we need to start with our youth. Engaging them in environmental activities is paramount to our efforts to create a more connected watershed community. Each year we explore new and innovative ways of engaging our youth. 2016 was no exception!

Our existing programs continue to grow and thrive

MORE THAN 300 STUDENTS participated in our growing Aquatic Plants Program—14 classes from eight different schools were involved this year, planting more than 600 aquatic plants in local wetland and aquatic spaces. The benefits to the watershed continue long after the program ends as the new plants contribute to improved water quality.

3,700 STUDENTS participated in our regular programming in watershed schools.

CONSERVATION KIDS CAMP continues to be extremely well received with 224 children participating this year, which is record enrolment. A large number of campers return year after year because of their positive experiences. Four campers were sponsored to attend a week of camp through the Lake Simcoe Conservation Foundation.

While we expand into new and exciting endeavours

LAUNCHED full day Kindergarten programming including Know the Gnomes of Scanlon Creek.

HOSTED York Region District School Board's "Summer Institute" camp at Scanlon Creek, involving 537 students from Junior Kindergarten to Grade 7 over a six-week period.

COLLABORATED with Nottawasaga Valley Conservation Authority and both Simcoe County school boards to host our first ever two-day "Innovation, Creativity, Entrepreneurship" (ICE) training session for Specialist High Skills Major students.

43 STUDENTS spent a full day in the field and another full day at our Education Centre at Scanlon Creek Conservation Area in Bradford.

One of the highlights of this new initiative: Six students from this training event went on to represent their school boards at the Great Lakes Public Forum and Student Summit, where they pitched solutions to Great Lakes issues to the Minister of Environment and Climate Change.



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Conservation Kids
Camp this year.





3,700 Students

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80 STUDENTS from two schools (one in Durham, one in York Region) participated in our newly revitalized and re-established Yellow Fish Road program. Yellow Fish Road is a storm drain marking system that involves youth to raise awareness about the connection between our storm drains and the water in our lakes and rivers.

Here's what one teacher had to say about the program:

"Hi Dana, I would like to thank you and your staff members for running a successful Yellow Fish Road program on Friday. The students had a great experience. They are still talking about it today. I think that it is fantastic for them to have hands on experience. Hopefully, the students will be our next best defence to protect the lake."

PROVIDED a full day Teacher Professional Development workshop to 30 York Region high school teachers. This is the first high school professional development program we've run.

DEVELOPED AND DELIVERED our first-ever Seniors Interpretive Walk, where we focused on the history and ecology of Fairy Lake in Wesley Brooks Conservation Area in Newmarket. The program was delivered in partnership with the Town of Newmarket and plans are underway for an additional walk in March 2017.

PROVIDED four sessions of "Tree-mendous Learning", teacher professional development at Simcoe County District School Board's "Hands in the Dirt" conference in the fall, with more than 45 elementary school teachers participating.

DELIVERED two presentations to the first-ever Environmental Education pre-service teacher classes at Lakehead University's Orillia Campus.

PARTNERED with Town of Georgina on their Healthy Kids Community Challenge promoting water as an option over sugary drinks and making the connection to Lake Simcoe as our source of drinking water.

PARTICIPATED IN Rama First Nation's Health Fair and Georgina Island's Pow Wow.

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— David Sobel

David Sobel is an education writer who has helped in developing the philosophy of place-based education.

LSRCA hosted its second annual BioBlitz at Scanlon Creek Conservation Area, a day-long event attended by

more than 60 nature enthusiasts.



Strategizing Stewardship Opportunities

Our new “Stewardship Priorities and Opportunities Tool” represents our continuing commitment to strategic decision making by investing in the research, identification, inventorying and sharing of opportunities to make watershed improvements and sharing the results with our partners.

Over the course of three years, staff walked virtually all watercourses in the watershed, looking for areas in need of restoration. Issues they identified included watercourses with barriers to fish passage, areas lacking streambank cover, areas where livestock have access to watercourses, areas with high erosion, and areas that are channelized. In total, they identified 8,000 sites representing 30,000 possible restoration projects. All this information has been collected in an online tool that includes a project prioritization. We are sharing this with our municipal and other partners to support decisions around restoration projects.

project value =

PROJECT
IMPORTANCE

×

BENEFIT

×

PROBABILITY
OF SUCCESS

COST

Nature Counts

Our Second
Annual Bioblitz

LSRCA hosted its second annual BioBlitz at Scanlon Creek Conservation Area on June 18.

The day-long event was attended by more than 60 nature-enthusiasts, including citizen scientists and volunteers from Friends of Scanlon Creek, the Toronto Zoo, York-Simcoe Naturalists, and Scales Nature Park.

As part of the event, which ran from dawn to dusk, participants surveyed and identified more than 400 species, including the eastern wood-pewee, a bird considered a species of special concern; the wood duck, a tree-nesting duck; and the wood frog, known for its ability to survive in freezing temperatures. The discovery of these new and unique species proves that Scanlon Creek continues to thrive!

Reducing Our Environmental Footprint



We ask no less of ourselves than we do of others. And 2016 was no exception, with three key internal achievements that we took on as our own way of contributing to a reduced environmental footprint.

We increased the number of carpool parking spaces available to staff to nine from six. This is partly in recognition of those who already carpool, but also to encourage others to consider carpooling as an option.

We unveiled a brand new bike shed for Bike to Work Day 2016 with secure keypad access for staff. Having a secure place to store their bikes has increased the number of staff who now cycle to work.

We've been named Smart Commute's York Region Employer of the Year for 2016. We were selected out of a pool of more than 100 participating employers. This award was given to us in recognition of our outstanding commitment, leadership, innovation and results.

New Environmental Monitoring Open Data Portal

As a public agency, it's important that the research and data we collect is available for others.

This year we completed most of the back-end development to support an open data portal that provides all the monitoring information we collect from the lake and its tributaries in near real-time, any time. The information includes water levels, climate parameters, water quality and biological data and includes historical data for the length of time we've been collecting it.

Big Impact from Low Impact Lot

The parking lot at our Newmarket head office had been in need of upgrades for some time.

Despite staff success at encouraging carpooling and other "green" commuting options, the reality was that we had more staff than the parking lot could accommodate. Recent reviews of our emergency management procedures pointed to an issue with emergency vehicle access. We also had an increasing number of trees on the property that had succumbed to disease and represented a hazard.

While each issue on its own did not necessarily warrant a redesign of the parking lot, taken as a whole, the most efficient and cost effective action moving forward was a retrofit to address all the issues.

So in 2016, we began a parking lot redesign, using it as an opportunity to implement a number of innovative low impact development techniques to better manage stormwater.

Months of consultation, design and discussion eventually resulted in best practices in low impact development construction.

We now have a parking lot with improved emergency vehicle access, increased staff parking, better stormwater controls and ultimately less pollution entering Lake Simcoe. The new lot also serves as a showcase for others considering similar work.



Maskinonge Showing Signs of Recovery

LSRCA began on a journey to improve the Maskinonge River in 2008 with the creation of the Maskinonge River Recovery Project (MRRP). Driven by Georgina residents, partner agencies and the LSRCA, the MRRP project shows us how the efforts of passionate people committed to a cause can lead to success.

The Maskinonge is one of the most agricultural subwatersheds in the Lake Simcoe basin that also features the least amount of natural cover. In recent years, water quality has been steadily improving. Local residents are seeing species like river otters playing on the river banks, a reduction in the amount of duckweed, and the return of mottled sculpin to the river—all indications that water quality is improving.

These signs of recovery are, in part, thanks to the on-the-ground environmental projects completed during the past eight years. During the last three years alone, we've held 11 community or school group planting events, 12 streamside planting projects, three streambank erosion projects and one private landowner tree planting. We've created a rain garden low impact development kiosk, removed a barrier to fish passage, created a pollinator garden, and hosted two "Up the Maskinonge with a Paddle" events.

We may still have a way to go, but clearly we're headed in the right direction!

In recent years,

**water quality has been
steadily improving.**



Beaver River Trail Expansion

Residents of Brock Township can now enjoy the final stretch of the Beaver River Wetland Trail!

Finished this past October, the final 8 kilometres fully connects the communities of Uxbridge, Blackwater, Sunderland and Cannington, through the Beaver River Wetlands Conservation Area. The revitalized trail runs along a decommissioned rail line and offers a smooth surface with a low grade to allow people to walk, cycle, ski or snowmobile with ease. In addition to being accessible, the trail also supports environmental features which provide habitat for turtles and snake nesting sites.

Environmental Champions Take the Stage

Every year, we honour residents throughout the watershed who collectively contribute hundreds of hours to improve the health of the watershed.

This year, our Conservation Awards gala event paid homage to 33 individuals, businesses and groups who are undertaking voluntary efforts to protect the watershed. The notable George R. Richardson Conservation Award of Honour was given to Annabel Slight, who received the award for her life-long dedication to the environment.

Our Word on Weeds

Lake weeds are a complaint we hear about often.

While they are considered a nuisance by residents when they interfere with their waterfront enjoyment, we know that the term “weeds” isn’t really a fair word to describe them. We prefer the term aquatic plants because they play an important and necessary function in a healthy lake system.

No matter what they’re called, we get lots of calls about them. In response to the calls, our Communications and Science teams put together a fact sheet that explains the critical role aquatic plants play in the lake, what residents can do in the short term to deal with them, and how our role is to focus on a long term strategy. Copies can be found on our website or at our office in Newmarket.

New Website Makes Sense

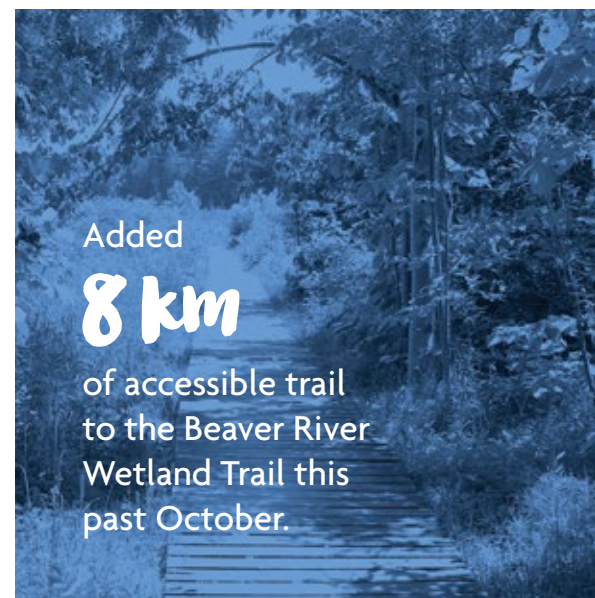
In June 2016, we launched our new public facing website, which was also a collaboration with Simcoe County, who helped design and now host the site.

This collaboration allowed us to incorporate new features, enhance our online services and ensure we meet accessibility requirements, while saving tens of thousands of dollars.

THE NEW SITE PROVIDES OUR ONLINE VISITORS WITH:

- more contemporary design
- enhanced online functionality
- relevant, accurate, timely content
- improved accessibility
- added eServices
- social media integration
- improved navigation and search

We continue to work with Simcoe County to provide enhanced features and interactive applications to keep pace with the changing online landscape.



ClimateWise Business Network Membership

In 2016, we became a founding partner of ClimateWise, a network of leading businesses in and around York Region who are setting and achieving sustainability goals.

Our first goal will be to identify our existing footprint, which will help develop our priorities for action, set a baseline and allow us to establish targets for reducing our own environmental footprint.

Leading in Freedom

We believe in the importance of being accountable for our actions.

That's why we've taken a leadership role in delivering on our responsibility to respond to Freedom of Information requests by developing in depth staff training on the topic. Our expertise is being recognized; in 2016, we shared our own training on Freedom of Information with other conservation authorities in Ontario. In all, 22 conservation authorities participated. So far, five of them have also adopted our training presentation for their own staff.

In the Spotlight

Our research and our researchers are getting noticed!

Bill Thompson and Dave Lembcke were featured in *Influents* magazine about the research LSRC has undertaken around the impacts of road salt on the watershed's health. *Influents* is a quarterly publication of the Water Environment Association of Ontario.

The retrofit of our Newmarket office's parking lot and its low impact development features was also highlighted in two high quality publications—*Daily Commercial News* and *Water Canada*. *Daily Commercial News* is a trade publication that delivers construction news and tender information to eastern Canada's construction marketplace and is published daily, Monday to Friday. *Water Canada* is a national magazine dedicated to water quality and stewardship in Canada, is published six times a year, and has a readership of more than 35,000 water professionals.

Our role in protecting Lake Simcoe from climate change was also the subject of a TVO short documentary.



In 2016, our role in
protecting Lake Simcoe
from climate change
was the feature of a

**TVO short
documentary**



Each and every day our reception area receives around

**130 phone calls, 30 visitors,
and 40 financial transactions.**



Keeping a Face on Frontline

We still believe that superior customer service starts with first impressions.

When you call into our office or visit in person, our friendly and experienced reception staff go above and beyond to deliver personalized service. Did you know that our reception area receives around 130 phone calls, 30 visitors and 40 financial transactions each and every day? In the words of our main receptionist, Julie, “no two days are ever alike” and the questions always “keep her on her toes”.

Annual Report Receives Accolades

Our 2015 annual report received recognition from ARC Awards International, a competition that honours excellence in annual reports.

Our annual report was chosen as one of the top 30, out of more than 2,000 entries from 32 countries. RC Design, the local firm we hired to design the report, as well as a number of internal staff, were recognized by the Board of Directors at their October meeting. Recognition went in particular to Sue Jagminas as project lead and lead writer/researcher, Melissa Rosato for photography, and Kristen Yemm for providing overall direction, and empowering her team.

Staff Accomplishments

Alyse Cullen received her CHRL (Certified Human Resources Leader) professional designation.

Shelly Cuddy was elected for a three-year term as Councillor-at-Large for the Association of Professional Geoscientists of Ontario (APGO). She was also appointed as Treasurer for the same term.

Expanding our Planning Services

Our staff are recognized as experts in their fields in many ways.

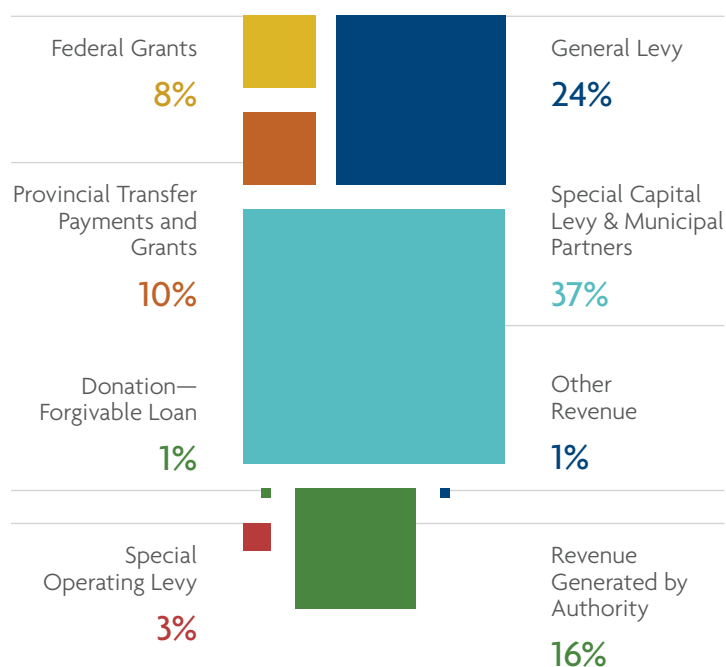
One way is through the specialized services we are requested to provide by our municipalities. This year, as a result of the provincial source water protection program that requires municipalities to implement measures that protect municipal drinking water supplies, we've been asked by York Region and some of its local municipalities to review planning applications where water recharge is an issue. This means we are now providing reviews of water balance and hydrogeological assessment studies within these municipalities.

Financial Summary

This financial information is condensed from the April 29, 2016 Board of Directors Approved 2016 Budget Summary. The complete auditor's report for the year ended December 31, 2016 is anticipated to be available in May 2017, copies of which will be available upon request.

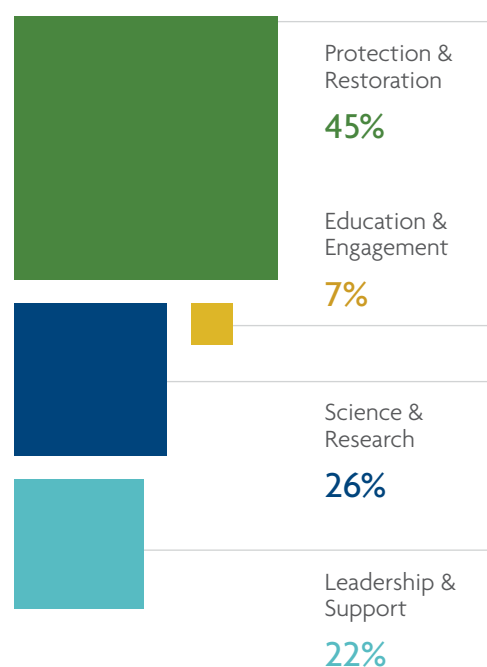
2016 Revenues

\$14,505,543



2016 Expenditures

\$14,991,717*



Projected Deficit Consists of:

Principle on Forgivable Loan	\$204,431
Surplus in Education Programs	\$13,350
Recapture of asset purchases	\$354,400
Net transfers from reserves	(\$703,955)
Amortization	(\$354,400)
Projected Deficit	(\$486,174)**

* Total 2016 Expenditures \$16,268,286 net of: Internal Fee for Service (\$1,276,569), Asset Purchases \$354,400 and Amortization (\$354,400).

** Projected deficit will be offset by surpluses from prior years.

175

monitoring gauges/sites
situated strategically throughout
the watershed. We use these to
capture information like stream
flow levels, precipitation rates,
biological indicators and water
quality

20

regulations convictions in 2016

1
students who
participated in our
Outdoor Environmental
Education Programs
at Scanlon Creek
Conservation Area

41,090

trees and
shrubs
planted
in 2016

19

media
releases
issued in
2016

932

permits issued in 2016

16

Freedom of
Information
requests received
in 2016

13

flood
messages
issued in
2016

2016

Board of Directors

Lake Simcoe Region Conservation Authority

LSRCA is a local watershed management organization incorporated under the Conservation Authorities Act (1946).

Since 1951, we have been dedicated to protecting, restoring and managing the Lake Simcoe watershed.

Over our 65 years of service, our jurisdiction has grown to include the entire Lake Simcoe watershed with the exception of the City of Orillia and the Upper Talbot River subwatershed, in the City of Kawartha Lakes.

LSRCA is governed by an 18-member Board of Directors, appointed by nine member municipalities.

CHAIR

York Region
Town of Aurora
Mayor Geoffrey Dawe

VICE-CHAIR

Town of Innisfil
Councillor Richard Simpson

City of Barrie
Councillor Peter Silveira

City of Barrie
Citizen Representative
Mr. Jay Dolan

City of Kawartha Lakes
Councillor Stephen Strangway

Durham Region
Township of Brock
Citizen Representative
Ms. Debbie Bath

Durham Region
Township of Scugog
Regional Councillor
Bobbie Drew

Durham Region
Township of Uxbridge
Deputy Mayor Pat Molloy

Town of Bradford West Gwillimbury
Councillor Peter Ferragine

Town of New Tecumseth
Councillor Shira Harrison-McIntyre

Township of Oro-Medonte
Councillor Scott Macpherson

Township of Ramara
Deputy Mayor John O'Donnell

York Region (at Large)
Town of Georgina Regional
Councillor & Deputy Mayor
Danny Wheeler (Jan.—Nov.)
Town of Georgina Regional
Councillor & Deputy Mayor
Naomi Davison (Dec.)

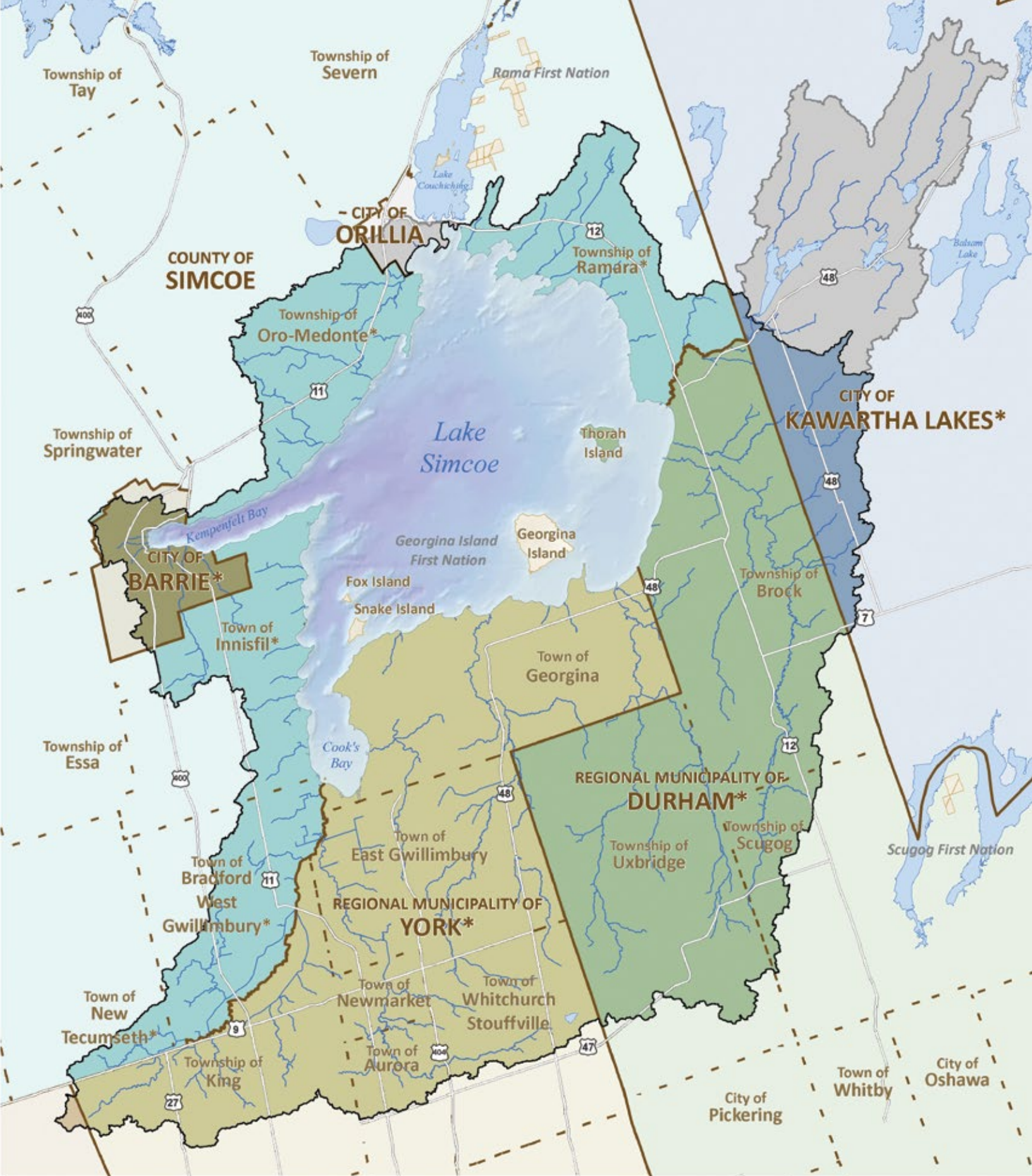
York Region
Town of East Gwillimbury
Mayor Virginia Hackson

York Region
Town of Georgina
Mayor Margaret Quirk

York Region
Township of King
Councillor Avia Eek

York Region
Town of Newmarket
Councillor Dave Kerwin

York Region
Town of Whitchurch-Stouffville
Councillor Ken Ferdinands



Legend

-  Lake Simcoe Watershed
-  LSRCA Jurisdiction
-  Watercourse
-  Major Road

-  Upper / Single Tier Municipality
-  Lower Tier Municipality
-  Member Municipality, LSRCA

0 5 10 20 30 Kilometres



This product was produced by the Lake Simcoe Region Conservation Authority and some information depicted on this map may have been compiled from various sources. While every effort has been made to accurately depict the information, data / mapping errors may exist. This map has been produced for illustrative purposes only.
 LSRCA GIS Services DRAFT created January 2016
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Lake Simcoe Region
conservation authority



Lake Simcoe Region Conservation Authority (LSRCA) is the leading environmental protection agency in the Lake Simcoe watershed. For over 65 years, we've been collaborating with community, government and other partners to protect and restore the environmental health and quality of Lake Simcoe and its watershed.

LSRCA.on.ca

E info@LSRCA.on.ca
T 905-895-1281
TF 1-800-465-0437

120 Bayview Parkway, Newmarket, Ontario, L3Y 3W3

f lakesimcoeconservation
ig lakesimcoeconservation
tw @LSRCA
yt TheLSRCA



Lake Simcoe
Conservation
Foundation

Lake Simcoe Conservation Foundation (LSCF) is the leading environmental charity in our watershed, raising funds from individuals and organizations for the critical environmental programs and projects of Lake Simcoe Region Conservation Authority. Contact them directly for information about how you can support their important fundraising activities.

lakesimcoefoundation.ca

E foundation@LSRCA.on.ca
T 905-895-1281
TF 1-800-465-0437

120 Bayview Parkway, Newmarket, Ontario, L3Y 3W3

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