

Ganaraska Region Conservation Authority **2016** ANNUAL REPORT



70
YEARS



A YEAR IN REVIEW

2016 was another remarkable year for the Ganaraska Region Conservation Authority (GRCA). The 70th anniversary year brought new challenges, successes, and continued support.

The GRCA continues its goal to be one of the best environmental teams in Ontario's Conservation Authorities; enhancing and conserving across the Ganaraska Region Watershed by serving, educating, informing and engaging.

Conservation Authority staff kept busy with many programs and services throughout the year; including the 40+ year old outdoor education program, community outreach through multiple stewardship initiatives, municipal planning input, and local watershed management. Management of the Ganaraska Forest, as well as drought monitoring, also played an important role throughout the year.

As we move forward into 2017 and we continue to grow together, we are proud of our accomplishments and anticipate the great work that will be achieved.

This report further details the programs and projects that were strived for and attained throughout the past year. We encourage you to review our report and welcome all of your feedback.

Yours in Conservation,

Forrest Rowden, Full Authority Board Chair
Linda J. Laliberte, CPA, CGA, CAO/Secretary-Treasurer

SPECIAL THANKS

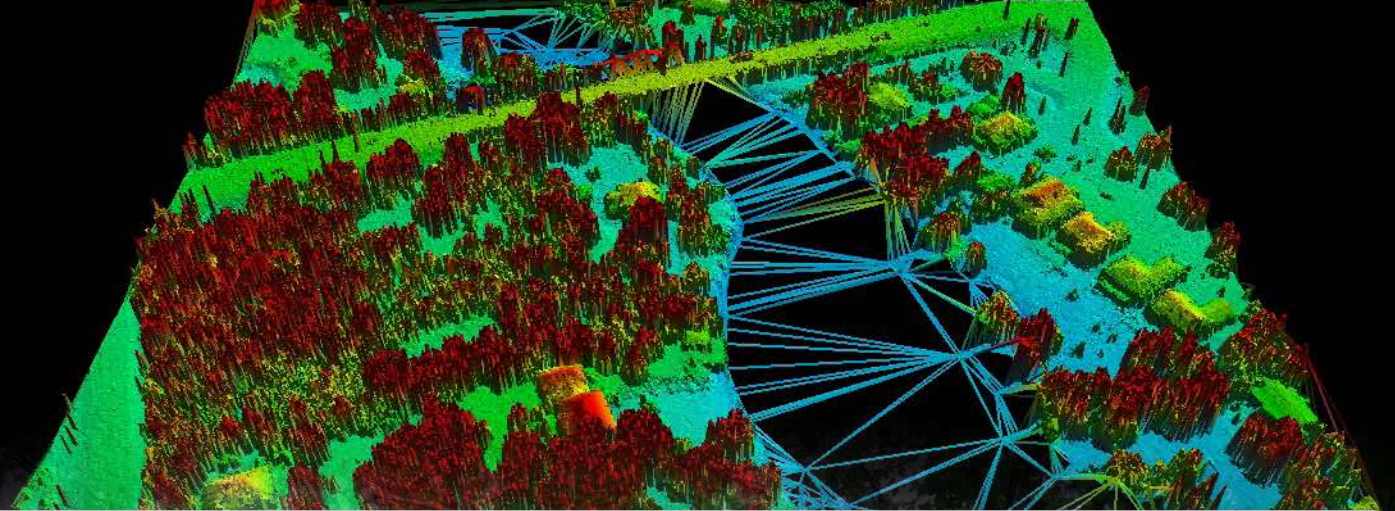
The GRCA would like to thank the community for their continued support, and is grateful to all of the volunteers, partners, stakeholders and organizations who have stayed faithful to the Conservation Authority over the years.

Thank you to those who continue to support Ganaraska Forest recreational and forest management; especially the Ganaraska Snowmobile and Ganaraska Forest Horse Clubs, which both continue to contribute funding and maintenance to the forest trails.

Thank you to the Ministry of Education for providing an experiential learning grant which supported the outdoor education program; to Canada Summer Jobs for supporting seasonal employment at the outdoor education centre and in watershed management programs; and to the many sponsors and participants who supported the annual OFAH Conservation Dinner which contributes to the Ganaraska Forest Centre outdoor education program as a whole.

Thank you to all of our partners who furthered the restoration and preservation of local watersheds. In 2016 the GRCA partnered with:

- TD Tree Days and the Town of Cobourg to plant over 300 trees and shrubs near West Park Village
- Union Gas to further environmental stewardship programming
- Kawartha Farm Stewardship Collaborative to enhance agricultural stewardship practices within local watersheds
- Port Hope Kinsman in a native plant sale fundraiser for the GRCA
- Highway of Heroes Living Tribute in their goal to plant 117,000 trees along the Highway of Heroes, one for each fallen Canadian soldier since confederation



GEOGRAPHICAL INFORMATION SYSTEM (GIS)


The GRCA's GIS department supported many Watershed Services projects throughout the year. The continued partnership with the Municipality of Port Hope to provide GIS and mapping support to all departments, including parcel fabric and zoning layers. The GRCA continues to provide leadership and support in Geospatial Sciences to neighbouring partners and stakeholders. This important work is slated to continue to grow steadily into 2017.

The Conservation Authority looks forward to continuing the partnership with the Ministry of Natural Resources and Forestry by working to investigate innovative and cost effective ways of implementing 3D elevation GIS data to improve and maximize efficiency in daily workflows. Concurrently, the GRCA applies these solutions on a daily basis for the benefit of the watershed through programs such as the Northumberland Digital Elevation Model Program and other initiatives. This work is gaining additional momentum going into 2017, with the renewed national focus on floodplain management. The GRCA will continue to work closely with federal, provincial, and other partners in developing effective technical solutions to pressing water resource issues, namely flood disaster mitigation and climate change.

MUNICIPAL PLAN INPUT AND REVIEW & REGULATIONS (O.Reg 168/06)

In 2016, the GRCA provided input on a total of 66 municipally circulated Planning Act applications (i.e. land severances, zoning or official plan amendments). Comments and recommendations on the natural hazard and natural heritage policies, consistent with the Provincial Policy Statement, were provided to watershed Municipalities for consideration in their role as approval authority. Ongoing review and input on 8 subdivisions across the watershed continued in 2016, in addition to 1 new draft plan of subdivision. A total of 13 site plan applications for major development proposals (i.e. commercial, industrial sites) were reviewed. In addition, a total of 94 pre-consultation/inquiries were responded to. The Conservation Authority issued a total of 90 permits for work under its *Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation (Ont. Reg. 168/06)* in 2016.

Also in 2016, the GRCA participated in workshops and provided input on the 10 year review of the Oak Ridges Moraine Conservation Plan and the Greenbelt Plan, as part of the Provinces Four Plan Review process. The Conservation Authority provided support for and input on the update of the Municipality of Clarington's Official Plan. Additionally, various aspects of the Highway 407 East extension required staff involvement as works associated with its construction extended into the GRCA watershed.



STEWARDSHIP

Clean Water – Healthy Land Financial Assistance Program (CWHLFAP)

43 projects on 39 properties within local watersheds were financially supported in 2016 for a total allocation of \$68,308.86. The total monetary value of the projects was approximately \$400,000.00. Highlights included:

- Structural upgrade of 4 private water wells and decommission of 2 unused wells
- Fenced over 9,500 feet of sensitive areas to restrict livestock
- Supported 13 farms with conservation tillage and precision agriculture projects
- Controlled erosion and removed barriers in 4 watersheds – Ganaraska River, Cobourg Creek, Wesleyville Creek and Graham Creek

Landowners, residents, community groups, schools and businesses within the Municipality of Clarington, Municipality of Port Hope, Township of Hamilton and Town of Cobourg can receive assistance to complete stewardship projects. The CWHLFAP supports the implementation of recommendations of GRCA Watershed Plans, Natural Heritage Strategy and many other planning documents. This program is supported by the above mentioned, as well as the Regional Municipality of Durham and Lakefront Utility Services Inc.

Tree Planting

Over 30,000 tree and shrub seedlings were planted across the region in 2016. Seedlings were planted by the landowner or through the GRCA Tree Planting Program. Eligible landowners received funding to subsidize the cost of the seedling purchase or planting. Unfortunately, due to the severe drought experienced in the summer, survival rates of the trees declined; additional planting will occur in 2017 to offset the loss experienced in 2016.

Trees for Rural Roads

In partnership with the Municipality of Clarington and the Central Lake Ontario Conservation Authority, over 800 trees were provided free of charge to residents of the Municipality of Clarington to be planted along municipal roads. Trees for Rural Roads also occurred in partnership with the Municipality of Port Hope in 2016 and provided over 250 trees to Port Hope residents.

Drinking Water Source Protection

In 2016, the GRCA continued to work with its member municipalities and other implementing bodies to implement the Ganaraska Source Protection Plan, which came into effect in 2015.

In 2015 a formal agreement was finalized authorizing the GRCA to implement certain policies on behalf of the Township of Hamilton. Through the work undertaken as part of this agreement, significant drinking water threats, particularly home heating fuel storage have been removed through threat verification. In addition, all private septic systems that were identified as significant drinking water threats were inspected, which included pumping of the tank. The results of this inspection showed that the homeowners are maintaining their septic systems to current standards, and are well informed of their properties' relationship to the municipal sources of drinking water.

In collaboration with a number of municipalities, the GRCA has continued the development of a GIS Source Protection data management system to address the many reporting requirements with which municipalities have to comply. The GRCA, in partnership with Lower Trent Conservation and Northumberland County, continued assisting municipal staff to address *Planning Act* policies and processes through a Northumberland Planning Working Group and emergency planning policies through the Northumberland Emergency Management Working Group.

2015 annual reports submitted in 2016 by the Regional Municipality of Durham, Municipality of Clarington, Municipality of Port Hope, Township of Hamilton and Town of Cobourg, the Ganaraska Region Source Protection Authority, various provincial ministries and owners of pipelines indicate that the implementation of the Ganaraska Source Protection Plan is well underway.



WATERSHED MONITORING

In 2016, the GRCA sampled 27 streams every month as part of its long term watershed monitoring plan. The data collected will establish baseline conditions and identify trends over time in the quality of surface waters. Monitoring data can then be used to identify areas in need of protection or restoration in order to maintain healthy watersheds.

Dry and hot weather allowed Conservation Authority staff to monitor summer baseflows at over 100 sites, where the lowest annual flows were quantified. Monitoring the changes in baseflows from year to year is a good way to detect the impact of climatic variations on water resources, while changes in water quality can indicate changes in land use or the way we manage activities on the landscape.

DROUGHT MONITORING

GRCA watersheds were in a mild to moderate drought condition over the entire summer and fall of 2016. The consistent lack of normal rainfall over much of the year caused the drought conditions to become severe in parts of Eastern Ontario. While GRCA watersheds have resilient stream flows that are generated by the aquifers of the Oak Ridges Moraine, the effects of the drought were felt in the very low soil moisture and lack of storms necessary for fish migration.


Water Response Teams across Southern Ontario asked residents to cut back their water consumption to ease the water shortages, while the major water users were required to abide by the conditions in their permits, reducing consumption accordingly during periods of drought. However, without rainfall for weeks at a time, there was high demand for water to suppress dust on construction sites, grow crops and to keep young trees alive. Conservation Authority staff met with water haulers and landowners over the summer to discuss strategies to reduce consumption and limit impacts on local streams.

FLOOD FORECASTING & WARNING

After two cold winters, 2016 began with a milder weather pattern that included several mid-winter melts that removed the snowpack and in turn reduced the potential runoff. Three Watershed Conditions Statements were issued prior to rain events in the winter and one in March after the snow was gone but the ground was very saturated. These events did not result in any floods.

Conservation Authority staff closely watched the normally potent thunderstorms that could cause flash flooding on the streets in a normal summer. One Watershed Conditions Statement was issued in August, but due to the dry watershed conditions, there was not much runoff to cause concern for flooding.

GRCA's flood monitoring network includes 9 stream gauges operated by Environment Canada, as well as 8 stream gauges and 11 rain gauges operated by GRCA that automatically record and store data. Snow surveys and ice monitoring also contribute to the assessment of flooding potential.



GROUNDWATER

Well site visits were made to a number of locations where homeowners approached the Conservation Authority with well and/or water quality problems in 2016. The region experienced a severe drought as recharge into the shallow aquifer was limited with 50% less rainfall over the course of the summer and fall months. Water levels dropped up to 2m in the upper most aquifers causing many wells equal or less than 15m deep to dry up. Advice was provided, which in a number of cases lead to well improvements being made through the Clean Water – Healthy Land Financial Assistance Program.

Staff participated in meetings regarding the Hwy 407 East Extension project together with other environmental agencies such as the Ministry of the Environment and Climate Change, the Region of Durham and the Municipality of Clarington, as well as the Central Lake Ontario Conservation Authority. One issue involved homeowners concerned that Hwy 407 construction had negatively affected groundwater levels. Data was provided to illustrate how the dry weather had affected shallow aquifers across the watershed and not only in areas near the Hwy 407 East Extension.

Work continued in managing the GRCA portion of the Provincial Groundwater Monitoring Network (PGMN). This network monitors water levels in a number of wells located in target aquifers of the region. Additionally, groundwater was monitored in a network of piezometers located in streambeds where active groundwater discharge is occurring. These monitoring programs allow the GRCA to observe and evaluate changing groundwater conditions. From this data, information can be provided to area residents on the severity of groundwater level, or even long-term changes in groundwater influx to streams that may be occurring in response to a changing climate. Water level results from the PGMN program since 2012 were reviewed and corrections/adjustments were made to the data where necessary. In addition, water quality data from 2004 to 2015 was evaluated to determine trends in chemical constituents within the different aquifers.

Cooperation on groundwater issues and projects continued with the Conservation Authorities Moraine Coalition (CAMC). In association with CAMC, an updated data base of groundwater information for the GRCA region was installed at the Conservation Authority in late 2016. This data will allow improvements to be made to some of the existing maps showing groundwater conditions and also provide additional information that can be used for making site assessments to address local issues.



CLIMATE CHANGE

The GRCA is dedicated to taking a leadership role in understanding and promoting actions that adapt to or mitigate climate change. The current focus and methods of sustainable natural resource management are being evaluated, and possibly modified, to address a changing climate.

To accomplish this, the Conservation Authority undertook a number of actions in 2016, including:

- Participating in the Regional Municipality of Durham's initiative in creating a Community Climate Adaptation Plan. GRCA staff participated and chaired/co-chaired two of the working groups (flooding and natural environment). Regional Council approved the plan in principal at the end of 2016.
- Continual implementation of the GRCA Climate Change Strategy.
- Incorporating climate change considerations into GRCA programming and services.



NATURAL HAZARDS

Flood Plain Risk Assessment

The Conservation Authority has begun work on a Risk Assessment that will assign levels of risk for the Flood Damage Centre's and allow the GRCA and partners to prioritize further flood preparedness and mitigation projects and measures.

This framework will be informed by use of a life safety model that looks at how floodwaters dynamically build within a flood plain and how this affects properties and people in that flood plain. This model will be undertaken within the Foster Creek portion of, the Community of Newcastle. This analysis will be a pilot project that will show the benefits and weakness of a model in informing Risk Assessments for flood hazards. Funding for this project has been received from the Federal National Disaster Mitigation Program.

Rural Mapping

The Baltimore Creek rural flood plain mapping provincially funded pilot study has been conducted to assist in evaluating survey needs for rural floodplain mapping completed for an extensive reach of rural stream channel. In particular, the study aimed to assess the best methods of determining the basic requirements for field reconnaissance in order to generate the survey information needed for accurate and defensible rural hydraulic models. Two hydraulic model results with varying levels of survey data input were compared and recommendations were made regarding their accuracy and study design. The results demonstrate that effort expended for survey work could be reduced thereby suggesting that rural flood plain mapping within extensive rural areas could be more achievable when the information found in large scale remote sensing acquisitions are efficiently incorporated into study work plans.

Midtown Creek Project

The objective of this provincially funded study was to prepare 2-Dimensional models using different digital elevation models (DEMs) and different software packages, and consider the benefits and limitations of each approach. The one model linked the flooding conditions of the stream to the overbank and to the storm sewer network using DHI's (Danish Hydrologic Institute) MIKE suite of software. This is quite complex and represents one of a very limited number of models of its type in Ontario. Other models used HEC-RAS 5 (Hydrologic Engineering Centre of the US Army Corp of Engineers River Analysis System). The lessons learned from this provincially funded project will be used by water resources engineers across Ontario.

Midtown Creek Flood Damage Reduction Pond

Over the last number of years, GRCA staff have been working with Town of Cobourg staff to develop options to control flooding on Midtown Creek. In 2016, work included the completion of geotechnical services to describe subsurface conditions and provide recommendations for design of any recommended structural elements such as the Kerr Street roadway embankment at the downstream end of the pond. Background studies were also completed in Hydrology, Hydraulics, Fisheries and Ecology to inform the environmental assessment which will begin in 2017. The facility is being developed to protect many houses and businesses in the historic downtown of the Town of Cobourg.



TERRESTRIAL NATURAL HERITAGE

In 2016, the GRCA continued its roadside mapping of major invasive plants, this year covering all of the Municipality of Port Hope. Once again, the Conservation Authority teamed up with the Ontario Federation of Anglers and Hunters Invading Species Awareness Program to have one of their "Hit Squad" students help with the mapping and to undertake outreach about invasive species. The roadside mapping provides useful information about what invasive plants are found where and in what quantities, and can provide a baseline for detecting rate of spread, as well. In a related activity, the GRCA teamed up with the Central Lake Ontario Conservation Authority and the Municipality of Clarington to hold a public open house about giant hogweed and wild parsnip, two highly toxic plants that are spreading rapidly in this part of the Province.

As part of what is hoped to be a series of studies to look at wildlife movement and connectivity in the natural heritage system, the GRCA teamed up with Fleming College's Credit for Product program to have a team of students undertake surveys of road underpasses and culverts. This was a pilot study focussing on the Wilmot Creek watershed. The students developed data sheets and a data base for recording such parameters as length, width, openness ratio and condition of the underpasses, as well as any signs of wildlife use within them or on the adjacent roadway. The study took place to determine to what degree wildlife can utilize these features versus simply crossing the roads and risking mortality.

In September, a prescribed burn was undertaken by Lands and Forests Consulting on the Ochonski prairie site in the Ganaraska Forest. Funding for the burn was provided by the Land Stewardship and Habitat Restoration Program of the Ontario Ministry of Natural Resources and Forestry. The goal was to remove leftover slash from the tree harvesting of the previous year that joined three small tallgrass prairie remnants into one large one. Following the burn, prairie grass and wildflower seed was collected from local sites and supplemented with purchased seed. This was spread over the burned area just prior to the arrival of snow, in order to both populate the area with prairie plants and prevent the establishment of invasive plant species such as dog-strangling vine.

AQUATIC ECOLOGY

The GRCA conducted and partnered in a wide range of aquatic assessments, management, and research in 2016. Assessments focused on monitoring and compiling aquatic resource information for Wilmot Creek, Wesleyville Creek, Ganaraska River, and Cobourg Creek watersheds. The GRCA monitored the Sea Lamprey weir on Cobourg Creek in partnership with Sea Lamprey Control Center staff, capturing a total of 4,366 fish composed of 31 different species. Six long-term fish community health assessment stations were sampled on Wilmot Creek to examine watershed health and fish community changes over time. Conservation Authority staff continued to support the Durham Region Coastal Wetland Monitoring Program, sampling several coastal wetland/river mouths in partnership with the Central Lake Ontario Conservation Authority. A Chain Pickerel was captured within the GRCA jurisdiction, which is the first record. A detailed population study was continued on Wesleyville Creek, in partnership with Ontario Power Generation, examining Brook Trout and Rainbow Trout abundance and long-term population status on Wesleyville Creek by tagging individuals, collecting life history data, and monitoring four long-term fish community sites, along with collecting water temperature data. GRCA staff continued to lead the Atlantic Salmon Restoration Program on the Cobourg Creek watershed by monitoring and sampling smolts leaving Cobourg Creek, and captured one adult returning to the creek. Conservation Authority staff also worked with Trent University, monitoring Round Goby on Cobourg and Gages Creeks.

Benthic macroinvertebrate sampling continued across the watershed. The GRCA continued to partner with the Royal Ontario Museum to assess benthic macroinvertebrate community health and evaluate regional health patterns within Oak Ridge Moraine tributaries. GRCA continued to support the Ministry of the Environment and Climate Change's regional biocriteria sampling initiative for benthic macroinvertebrate monitoring.

The GRCA also completed several fisheries habitat improvement projects, including removing or mitigating fish passage constraints at three culverts on Wesleyville Creek to support fish passage at these structures.



FOREST MANAGEMENT

The Ganaraska Forest is managed under the direction of the Managed Forest Tax Incentive Plan, produced in 1998 and updated in 2008. The creation of a new Forest Management Plan for the 2018-2027 operating period was focused on during 2016. Inventory work, planning and the development of a framework for the plan all took place. In addition, a series of meetings with interest groups and the general public occurred in order to provide input into the development of the plan.

There were no actionable fires reported in the forest during the 2016 fire season. The forest fire and roads committee, consisting of forest staff, local police and local fire chiefs, met twice to discuss mutual concerns and update plans. Some of the internal forest roads and trails were periodically graded over the course of the year. There were no major outbreaks of insect or disease. The forest continues to see endemic levels of gypsy moth, pine false webworm, and red pine decline. Beech bark disease and dog-strangling vine are growing issues within the forest, and management actions are being taken for monitoring and control.

Three timber contracts were awarded to selectively harvest various forest stands in the Ganaraska Forest. The first contract was awarded to Ben Hokum and Son Limited of Killaloe to selectively harvest 122 hectares of red pine and european larch in the west forest. The harvest included 6489.5 cubic meters of sawlogs and utility poles. The second contract was also awarded to Ben Hokum and Son, to selectively harvest 66 hectares of red pine poles and sawlogs in the central and east forest areas. The third hardwood contract was awarded to Lyle D. Kenwell of Singhampton to harvest 56 hectares of hardwood sawlogs and firewood from two blocks in the east forest.

FOREST RECREATION

2016 was an extremely busy year for recreational use of the Ganaraska Forest, with the exception of the winter months, which due to a lack of snow, didn't amount to much of a season for winter sports enthusiasts.

The process of preparing a new Forest Management Plan for the forest began this year and from the start it was recognized that recreational use would be a key component of the plan and that significant changes in forest management had occurred since 1998 when the current plan was completed. In order to gain input from a range of interest groups and individuals, a number of tools were used including online surveys, comment cards, telephone interviews, a public open house and a series of facilitated sessions with various stakeholder groups. Two of these sessions were with members of the Recreational Users Committee, providing ample opportunity for comments and concerns to be heard from this well informed group of recreational users. A synopsis of the input provided through this process will be produced and incorporated into the Forest Management Plan, which must be completed by July of 2017.

The Conservation Authority purchased the use of a cell phone application called Edge Auditor to be used by staff and volunteers on a trial basis for one year, through a generous donation from the Ganaraska Forest Horse Club. The application allows accurate tracking of features found in the forest such as downed trees, signs, dumped garbage etc. and should prove to be a valuable tool in the day to day operations of the forest.

Maintaining the vast network of trails in the 12,000 acre Ganaraska Forest is no small feat and the Conservation Authority relies on the assistance of volunteers to help out where possible. On June 18th a volunteer trail maintenance day was held which resulted in 15 enthusiastic volunteers coming out to work on single track trails in the Central Forest. The day was a great success and the GRCA plans on hosting more of these events in the future.

The GRCA's 9 Conservation Areas were also reviewed in 2016 for future recreation, management and maintenance. A *Conservation Area Review* was written to provide basic background information; identify emerging pressures; identify minor capital improvements and projects to be carried out over the next three to five years; and to define work plans and associated budgets for each. 2017 will include implementing some of the plans.



GANARASKA FOREST CENTRE (GFC)

Located in the heart of the 12,000-acre Ganaraska Forest, the multi-use Ganaraska Forest Centre showcases the beautiful Great Hall with its soaring timber-framed ceiling, overnight accommodations for up to 86 people, two camping areas and several spectacular outdoor wedding ceremony sites. 2016 featured a sold-out wedding season and GFC staff welcomed a variety of community groups, such as Girl Guides and Cadets on other weekends.

The Ganaraska Forest Centre's Outdoor Education program is staffed by exceptional Ontario-certified teachers who introduce over 8,000 students annually from across eight different school boards to hands-on, nature-based programming. Some children visited for the day and others enjoyed the overnight, residential program, where they were truly immersed in experiential learning by participating in their choice of 25 curriculum-linked programs, including a GPS/GIS program, new for 2016.

Similarly, 185 children were given the gift of nature by attending the GRCA's Nature Nuts Summer Camp which offered 7 weeks of environmentally themed programs.

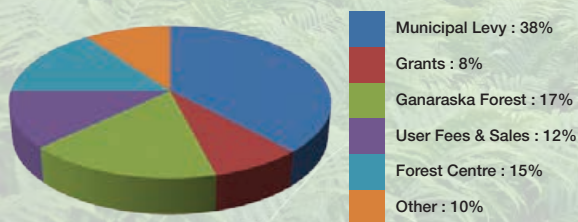
FINANCIAL SUMMARY

In 2016, the budget totaled \$3,553,861.00 which is a slight increase from 2015. The municipal general levy was increased by 2.5% and was adjusted in accordance with the current value assessment figures. The general levy for 2016 was \$913,174.00 which represents about 26% of the total budgeted revenues.

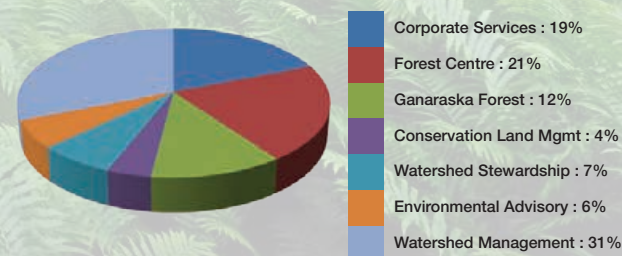
This past year there were several capital projects within the Conservation Authority, which are mainly funded by the watershed municipalities and described within the annual report. The Conservation Authority continues to partner with others on important initiatives. As well, the source protection planning program continued; this project continues to be fully funded by the Province.

The chart below shows the revenues for 2016. The levy shown is a combined total of general and benefiting levy. The Ganaraska Forest timber sales of \$299,898.00 and memberships of \$291,884.00 as well as the revenues from Treetop Trekking of \$46,715.00 are included in the Ganaraska Forest revenue. The User Fees & Sales consist of the revenues from the stewardship programs, watershed services, as well as the water resources fees. The category of "Other" includes direct funded projects of the Conservation Authority; this includes \$89,247.00 for the Trent Conservation Coalition Source Water Protection initiative.

REVENUES



EXPENDITURES - (DOES NOT INCLUDE AMORTIZATION)



2016 Ganaraska Region Conservation Authority Staff

Corporate Services

Linda Laliberte	CAO/Secretary-Treasurer
Amy Griffiths	Marketing & Communications Officer
Cody Brown	GIS Technician
George Elgear	General Superintendent
Ian Jeffrey	GIS/Remote Sensing Specialist
Jeff Moxley	GIS Coordinator
Julie Verge	Corporate Services Assistant
Kim Baldini	Corporate Services Finance Clerk
Michelle Giddings	Bookkeeper

Watershed Services

Mark Peacock	Director, Watershed Services
Greg Wells	Manager, Planning and Regulations
Brian Morrison	Fisheries Biologist
Christie Peacock	Water Resources Engineer
Jessica Mueller	Watershed Hydrogeologist
Joanne May	Administrative Assistant, Planning and Regulations
Ken Towle	Terrestrial Ecologist
Mike Smith	Water Resource Technician
Pam Lancaster	Stewardship Technician/Source Water Protection Communications

Ganaraska Forest Centre/Ganaraska Forest

Linda Givelas	GFC Property Manager
Aaron Staples	Outdoor Education Instructor
Alexandra Ferguson	Outdoor Education Instructor
Ashley Chlebak	Gatehouse/GFC Weekend Technician (until April 2016)
Brock Prescott	GFC Weekend Technician (as of February 2016)
Fraser Smith	Forester

Ganaraska Forest Centre/Ganaraska Forest continued

Heathyr Francis	Outdoor Education Instructor
Katherine Gray	Gatehouse Keeper
Ross Winters	Canteen Cook
Ryan Goodall	Outdoor Education Instructor
Shayne Pilgrim	GFC Technician
Steve McMullen	Forest Recreation Technician

2016 GRCA Full Authority Board (as of February 2016)

Forrest Rowden	Chair, Town of Cobourg
Wendy Partner	Vice-Chair, Municipality of Clarington
Brian Darling	Town of Cobourg
Heather Stauble	City of Kawartha Lakes
Jeff Lees	Municipality of Port Hope
John Fallis	Township of Cavan Monaghan
Louise Ferrie-Blecher	Municipality of Port Hope
Mark Lovshin	Township of Hamilton
Ray Bennis	Township of Alnwick/Haldimand
Willie Woo	Municipality of Clarington

2016 Summer Students

Brock Prescott	Austin Veleke
Rachel Labrecque	Porscha Nutley
Colin Myles	Gus Saurer
Leanne Robinson	



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CONSERVATION AUTHORITY**

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