Ganaraska Region Conservation Authority

2017 ANNUAL REPORT

Ganaraska CONSERVATION

A YEAR IN REVIEW

What a year for the Ganaraska Region Conservation Authority (GRCA) – eventful, motivating, prosperous, and rewarding.

Everything from tree planting with the Highway for Heroes to flood management; gazing for stars in the dark skies above the Ganaraska Forest to educating youngsters about fishing; Conservation Authority staff were on the go throughout 2017.

A large initiative was completed this year – the updating of the 20 year old Ganaraska Forest Management Plan (FMP). Through public meetings, consultations, stakeholder engagements and field work, the new FMP will guide the GRCA through the next 20 years, providing a safe and well-managed forest.

The GRCA is moving into its 71st year as the leading environmental organization in the Ganaraska watershed. Its vision of Clean Water, Healthy Land for Healthy Communities will continue to be what the Conservation Authority strives to succeed.

We thank the communities we serve for their continued support and we encourage you to take a look at what we, as your local Conservation Authority, have accomplished throughout 2017.

As we move into 2018, we will continue to enhance and conserve the Ganaraska Region Watershed by serving, educating, informing and engaging.

It is important to continue the connection between a healthy watershed and healthy, strong sustainable communities.

Yours in Conservation,

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

SPECIAL THANKS

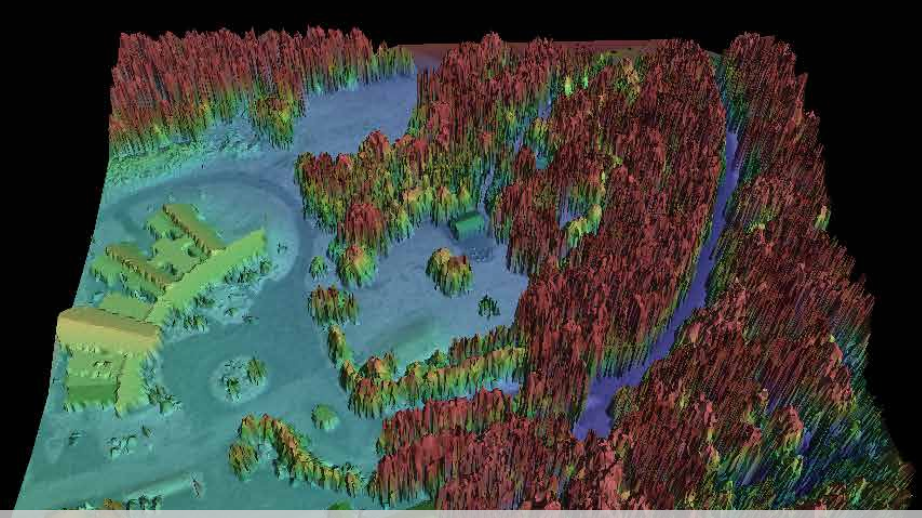
The GRCA is very thankful for the continued support it receives from its partners, stakeholders and watershed communities. Without their continued support, the Conservation Authority would not be in a position to serve its constituents and partners, educate communities and community members, and inform, advise or promote collaborative partnerships through engagement.

Thank you to those who continue to support Ganaraska Forest recreational and forest management; especially the volunteer forest patrollers, the Ontario Federation of Trail Riders, Sandaraska Horse Riders, and the Ganaraska Snowmobile and Ganaraska Forest Horse Clubs.

Thank you to the Ministry of Education for providing an experiential learning grant which supported the Ganaraska Forest Centre (GFC) outdoor education program; to both Canada Summer Jobs and Ontario Summer Experience Program for supporting seasonal employment at the GFC and in watershed management programs; to Capstone Infrastructure Corporation for sponsoring the GRCA s 2017 Maple Syrup Day; to Lakefront Utility Services Inc. for donating to the Nature Nuts Summer Camp; and to the many sponsors and participants who supported the annual OFAH/GFC Conservation Dinner. Thank you, as well, to the Vanhaverbeke family for providing funding for the outdoor education program and towards the improvement of donated property within the Ganaraska Forest.

Thank you to all of our partners who furthered the restoration and preservation of local watersheds. Just to name a few, in 2017 the GRCA partnered with:

- TD Tree Days and the Municipality of Port Hope to plant 300+ trees and shrubs in Baulch Road Park
- Union Gas and Enbridge Inc. to produce low impact development demonstration sites
- East Central Farm Stewardship Collaborative to enhance agricultural stewardship practices
- Port Hope Kinsman in a native plant sale
- Highway of Heroes and Newcastle Public School in a 300+ tree planting in the school's yard
- Ontario Power Generation to continue offering the Spring Water Awareness Program (SWAP) to grade 4 students across the Ganaraska Watershed



GEOGRAPHICAL INFORMATION SYSTEM (GIS)

The GRCA's GIS department supported many Watershed Services projects throughout the year. The partnership with the Municipality of Port Hope to provide GIS and mapping support to all departments, including parcel fabric and zoning layers, continued throughout 2017. The GRCA also 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 2018.

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 and remote sensing 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. This work is gaining additional momentum going into 2018. 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.

ENVIRONMENTAL ADVISORY PLANNING AND REGULATIONS

In 2017, the GRCA provided input on a total of 87 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 11 subdivisions across the Watershed continued in 2017, in addition to the review of 5 new draft plans of subdivision. A total of 17 site plan applications for major development proposals (i.e. commercial, industrial sites) were also reviewed. In addition, a total of 134 pre-consultation/inquiries were responded to. The Conservation Authority issued a total of 85 permits for work under its *Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation (Ont. Reg. 168/06)* throughout the year.

2017 saw the approval of the updated Oak Ridges Moraine Conservation Plan, as well as the Greenbelt and Growth Plans, which the GRCA provided input on through Conservation Ontario. The GRCA provides its member municipalities with comments relative to development proposals in an advisory capacity with respect to the three plans. Input was provided on the 5 year review of the Durham Region Tree By-Law, as well as the Ministry of the Environment and Climate Change's Excess Soil Management Regulatory Proposal. Staff also continued participation on the 407 Regulatory Agency Group Committee, as the transit way has extended into the GRCA Watershed.

STEWARDSHIP

Clean Water – Healthy Land Financial Assistance Program (CWHLFAP)

The GRCA financially supported 50 projects on 45 properties within local watersheds in 2017 for a total allocation of $50,608.56. The total monetary value of the projects was approximately $280,000.00. Highlights included:

- Structural upgrade of 9 private wells and decommission of 3 unused wells
- Supported 8 conservation tillage and precision agriculture projects
- Supported 8 manure management and barn eavestrough projects
- Provided financial assistance for 21 reforestation and habitat creation projects

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 48,000 tree and shrub seedlings were planted across the Watershed in 2017. 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.

Trees for Rural Roads

In partnership with the Municipality of Clarington and the Central Lake Ontario Conservation Authority, over 650 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 2017, and provided over 200 trees to Port Hope residents.

Pervious Concrete Lunch and Learn

In January 2017, the Conservation Authority, in partnership with Concrete Ontario, hosted a Pervious Concrete Lunch and Learn on the benefits of pervious concrete systems as a possible solution to reducing stormwater runoff from building sites and other paved areas. The approximately 30 attendees learned about pervious concrete pavement systems, engineering properties and typical construction techniques that have been used in Ontario.

Orono Park Permeable Concrete Walkway

In partnership with the Municipality of Clarington, Lafarge Canada, Van de Bor Paving and Enbridge Inc., GRCA installed a permeable concrete walkway around the Orono Park picnic shelter. The project helped to build local capacity to design and install pervious concrete, spread awareness of the benefits of permeable surfaces to reduce urban stormwater runoff and improve water quality, and enhanced the community-built picnic shelter.

DRINKING WATER SOURCE PROTECTION

In 2017, the GRCA worked in partnership with its member municipalities and other implementing bodies to implement the Ganaraska Source Protection Plan, which came into effect in 2015. The third year of implementation has seen more significant threats managed or removed, and the GRCA continued to work with municipalities to address municipal emergency and planning policies in regards to source water protection. The Plan also underwent minor updates in 2017.

In collaboration with a number of municipalities, the GRCA has continued the development of a GIS Source Protection data management system to address the reporting requirements with which municipalities have to comply.

2016 annual reports submitted in 2017 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.

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.

The Conservation Authority continued to give priority, in terms of staff time and resources, to the Durham Community Climate Adaptation Plan (DCCAP) (approved by Durham Region Council in 2016), including:

- Assisting in the development of the DCCAP Steering Committee Terms of Reference and sitting on that Committee. GRCA staff also participated and chaired/co-chaired two of the Working Groups (flooding and natural environment). The Steering Committee and Working Groups were formed and began implementation of the DCCAP in 2017.
- Continual implementation of the GRCA Climate Change Strategy.
- Incorporating climate change considerations into GRCA programming and services.

WATERSHED MONITORING

In 2017, 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.

In a new partnership with the Toronto and Region Conservation Authority, GRCA staff installed new water sampling equipment at 4 stream gauge stations in order to monitor the contaminant runoff from the watersheds to Lake Ontario. This project supports the joint international study of the Lake designed to better understand the causes of nuisance algae and other issues that pose a threat to the water quality of Lake Ontario.

Staff and summer students conducted baseflow monitoring at several creeks during the brief periods of dry weather in the summer of 2017. Baseflows are the low flows that occur in between rain storms, originating from groundwater that discharges from the aquifers to the streams, helping to sustain the aquatic ecosystem through the warm summer months. 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.

GROUNDWATER

In 2017, well site visits were made to a number of locations where homeowners approached the GRCA with well and/or water quality problems. In contrast to 2016, when the Watershed experienced a severe drought, 2017 supplied enough precipitation to keep water levels high.

Work continued in managing the GRCA portion of the Provincial Groundwater Monitoring Network (PGMN), jointly undertaken by the Province and the Conservation Authority. This network monitors water levels in a number of wells located in the Ganaraska Forest and across the Ganaraska Watershed, and monitors groundwater levels 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, providing information on the severity of groundwater level declines or 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 made to the data where necessary. In addition, water quality data from 2004 to 2016 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 Watershed was installed at the Conservation Authority in late 2017. This data will allow improvements to be made to some of the existing maps showing groundwater conditions in our area, and to provide additional information that can be used for making site assessments to address local issues. In addition, a Groundwater Modeling Committee was established in 2017 to better evaluate water budgets within the jurisdiction, focusing on water extraction and demand on the resource to sustain ecosystem health.

NATURAL HAZARDS

Flood Plain Risk Assessment

The Conservation Authority has begun work in 2017 on a Risk Assessment that will assign levels of risk for a flood damage centre in the community of Newcastle, in the Municipality of Clarington. This work, which is ongoing, will allow the GRCA and partners to prioritize further flood preparedness and mitigation projects and measures.

This study will look at how floodwaters build within the flood plain, and it will assess how this affects properties and people in that particular flood plain. The study will go further to quantify flood damages and provide valuable background data in order to make informed decisions regarding potential flood reduction measures/ projects.

Funding for this project has been received from the Federal National Disaster Mitigation Program.

Rural Flood Vulnerability Assessment and Risk Assessment

Staff completed a Vulnerability Assessment on the rural watersheds in Ward 4, Municipality of Clarington. The Vulnerability Assessment identifies areas of concern which should be further studied in terms of potential flooding and consequent flood damages. This work is ongoing through 2018.

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 through the historic downtown core. In 2016 and 2017, staff provided the Town with a significant amount of data and analysis to assist in developing concepts for potential flood reduction measures. In 2017, the Town's consultant commenced the Municipal Class Environmental Assessment which assesses and ranks the alternatives. The Conservation Authority participated in two Public Information Centres in 2017; the last of which demonstrated the preferred alternative, which is a flood damage reduction pond upstream of the future Kerr St. extension. The opportunity for public input will continue through 2018 as the final design progresses.

FLOOD FORECASTING & WARNING

Wet weather in 2017 provided a stark contrast to the drought conditions that affected GRCA watersheds the previous summer. Heavy rains in April, May and June caused minor flooding of streets and properties near creeks. The largest rain event occurred on the morning of June 23rd, when 70 to 80mm of rain fell on the Port Hope and Cobourg areas within a 10 hour period. Damages were limited to bank erosion, culverts and some road repairs.

The abundance of rain was felt throughout much of Southern Ontario and Southern Quebec, which caused Lake Ontario to swell to record high water levels by the end of May. Flooding and erosion along the shoreline of Lake Ontario became a top news story as high water levels would take months to recede. Damages occurred to public properties such as beaches and waterfront trails. Shoreline bluffs eroded at an accelerated rate, caused by southerly winds and waves that washed materials away from the bottom of the bluffs. By the end of 2017, the water levels had dropped by more than 1 meter; however, ongoing repairs to shoreline protections, such as retaining walls and revetments, will likely continue in 2018.

Flood operations at the Conservation Authority were active monitoring these conditions and documenting the impacts. Staff provided advanced warning by issuing Watershed Conditions Statements, and Flood Watches and Warnings in order to communicate the potential hazards that were present during these high water events.

TERRESTRIAL ECOLOGY

A big focus of the Terrestrial Ecology Program in 2016 was on invasive plants. In 2017, roadside surveys of major invasive plant species were undertaken for Hamilton Township, completing the coverage for the entire Ganaraska Watershed. The mapping product, aimed to be completed in 2018-19, will help to identify the range and extent of infestation for these plants and help to set priorities for management.

Terrestrial Ecologist Ken Towle gave numerous presentations throughout the year on the problem of invasive species and plants, and offered what has become an annual invasive species walk at GRCA s Millennium Conservation Area. A "walk-and-talk" was also organized to train municipal staff in identification and control of invasive plants. Finally, the GRCA helped sponsor and attended the second regional workshop organized by the Ontario Invasive Plant Council (OIPC) in which municipalities are encouraged to develop invasive plant strategies.

In 2017 there was considerable input by the Terrestrial Ecology Program into the Ganaraska Forest Management Plan. This included information on wildlife use of the Forest, species at risk, control of invasive species, and the need to identify and manage areas of high conservation value such as tallgrass prairie habitat.

AQUATIC ECOLOGY

The GRCA conducted and partnered in a wide range of aquatic assessments, management, and research in 2017. Assessments focused on monitoring and compiling aquatic resource information for Wilmot Creek, Wesleyville Creek, Ganaraska River, Cobourg Creek, and Rice Lake watersheds. The Conservation Authority continued to monitor the Sea Lamprey weir on Cobourg Creek, in partnership with Sea Lamprey Control Center staff, capturing a total of 6,071 fish composed of 28 different species. GRCA also continued to lead the Atlantic Salmon Restoration Program in the Cobourg Creek Watershed, by monitoring and sampling smolts leaving Cobourg Creek. GRCA staff worked with Carleton University monitoring adult White Sucker on Cobourg Creek, as well. Six long-term fish community health assessment stations were sampled on Wilmot Creek to examine watershed health and fish community changes over time. GRCA staff continued to support the Durham Region Coastal Wetland Monitoring Program, sampling several coastal wetland/rivermouths in partnership with Central Lake Ontario Conservation Authority. 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 by tagging individuals, collecting life history data, and monitoring four long-term fish community sites, along with collecting water temperature data.

Benthic macroinvertebrate sampling continued across the Ganaraska watershed; sustaining the partnership with the Royal Ontario Museum to assess benthic macroinvertebrate community health and evaluate regional health patterns.

The Conservation Authority completed several fisheries habitat improvement projects, including the continuation of removing and/or mitigating fish passage constraints at culverts on Wesleyville Creek to support fish passage at these structures.

GANARASKA FOREST CENTRE (GFC)

Located in the heart of the 12,000-acre Ganaraska Forest, the multi-use Ganaraska Forest Centre showcases a 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. 2017 featured a sold-out wedding season, and centre 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 introduced thousands of students 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 an expanded GPS/GIS program, new for 2017.

Similarly, dozens of children were given the gift of nature by attending the environmentally themed, Nature Nuts summer camp program.

Also new in 2017 was the expansion of the Centre's Specialist High Skills Major (SHSM) program. This hands-on, experiential learning program is specifically designed to allow high school students to focus their learning in 1 of the 19 Ontario Ministry of Education's identified economic sectors; including the Environment, Forestry, Health and Wellness or Sports. At the GFC, students earn certificates that are specially recognized on their diplomas with an embossed red seal. This increasingly popular program provides real-life experiences in activities such as wilderness first aid, GPS technology, and watershed management, for example, for students who are evaluating their potential career interests.

GANARASKA FOREST RECREATION

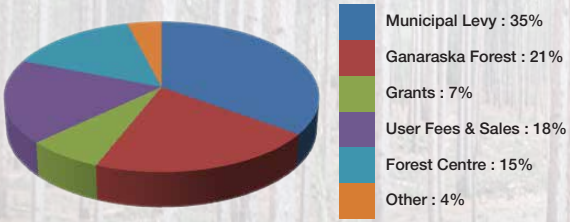
With the completion of the Forest Management Plan, 2017 was a significant year regarding the recreational management of the Ganaraska Forest. The multi-use recreation that has taken place in the Forest for decades was acknowledged as an important component of the Plan from the onset. An extensive consultation process took place during the preparation of the Plan which sought input from an array of stakeholders including forest users, members of the Ganaraska Forest Recreational Users Committee, neighbouring landowners, volunteers and businesses. A synopsis report which summarized input received from this process was included as an appendix in the Forest Management Plan.

One of the key recommendations from the report was for the Terms of Reference for the Ganaraska Forest Recreational Users Committee to be reviewed and updated. This took place over the course of 2017 and a final version of the new Terms of Reference was approved by the Full Authority Board in November.

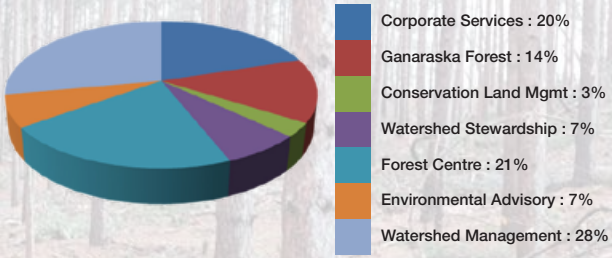
During the consultation process many comments were received about the need for increased enforcement in the Forest. In response to this, the number of police pay duty patrols was nearly doubled in 2017, as well as an increase in staff patrols on weekends, when the Forest receives its greatest use.

The total number of Ganaraska Forest members has remained fairly consistent over the past two years at around 2,000 members. Off-road vehicle use, including off-road motorcycles and ATVs, remains the most popular recreational activity followed by equestrian use.

REVENUES



EXPENDITURES - (DOES NOT INCLUDE AMORTIZATION)



GANARASKA FOREST MANAGEMENT

Over the course of the year, GRCA staff, with the help of Madawaska Forestry Inc., successfully completed the new Forest Management Plan (FMP) for the period of 2018 to 2038. Through the use of an 'ecology first approach', the Plan will be used to provide guidance and recommendations for the sustainable use and conservation of the Ganaraska Forest. One of the first products of the FMP will be the creation of a new, detailed Forestry Operating Plan for the operational period of 2018 to 2027. The FOP will be used to schedule all harvests over this period, allowing GRCA Forest Managers to ensure that forest values are protected and that harvests are completed efficiently. Following this first ten-year period, the FMP will be reviewed in full to ensure that its goals and targets are being adequately met, and to guide the FOP for the second ten-year period.

While 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. Invasive species threats, such as dog-strangling vine, continue to be growing issues throughout the Forest, and GRCA staff will be utilizing the FMP as a basis to identify, monitor and manage these threats.

Three timber contracts were awarded to selectively harvest various forest stands in the Ganaraska Forest. Eng's Wood Products of Uxbridge were awarded two contracts which included a total of 64 hectares of red pine in the West Forest, and 12 hectares of hardwood sawlogs and firewood in the Central Forest. Lavern Heideman & Sons Ltd. of Eganville were awarded the contract to selectively harvest 118 hectares of red pine across the Forest, which included 4995 cubic meters of sawlogs and utility poles. In addition, an operation extended from the 2016 was completed in the central and eastern sections of the Forest by Ben Hokum and Son Limited of Killaloe.

FINANCIAL SUMMARY

In 2017, the budget totaled $3,789,341.00, which is an increase from 2016. The municipal general levy was increased by 2.5% and was adjusted in accordance with the current value assessment figures. The general levy for 2017 was $936,003.00 which represents about 25% of the total budgeted revenues.

This past year there were several capital projects within the Conservation Authority, which were mainly funded by the watershed municipalities and described within the annual report. The GRCA continues to partner with others on important initiatives. As well, the Source Protection Planning program continued, which continues to be fully funded by the Province.

The charts above shows the actual revenues for 2017. The levy shown is a combined total of general and benefitting levy. The Ganaraska Forest timber sales of $339,767.00 and memberships of $307,600.00, as well as the revenues from Treetop Trekking of $50,096.00, are included in the Ganaraska Forest revenue. The User Fees & Sales consist of the revenues from the Stewardship program, Watershed Services, as well as the Water Resources fees. The category of "Other" includes direct funded projects of the Conservation Authority; this includes $74,461.00 for the Trent Conservation Coalition Source Water Protection initiative.

2017 Ganaraska Region Conservation Authority Staff and Board

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 (until December 2017)
Leslie Benson	Interim Director of Watershed Services (as of December 2017)
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
Kelly Gibson	Interim Stewardship Technician (as of September 2017)
Ken Towle	Terrestrial Ecologist
Kevin Lukawiecki	Engineering Assistant (contract) (as of September 2017)
Louise Thompson	GIS Technician (until November 2017)
Mike Smith	Water Resource Technician
Pam Lancaster	Stewardship Technician/Source Water Protection Communications (until October 2017)

Ganaraska Forest Centre/Ganaraska Forest

Linda Givelas	GFC Property Manager
Aaron Staples	Outdoor Education Instructor
Alexandra Ferguson	Outdoor Education Instructor (until March 2017)
Ashley Chlebak	Part-Time GFC Weekend Technician (until April 2017)

Ganaraska Forest Centre/Ganaraska Forest continued

Brock Prescott	GFC Weekend Technician (until September 2017)
Gus Saurer	Forest Technician (as of November 2017)
Heathyr Francis	Part-Time Outdoor Education Instructor
Katherine Gray	Gatehouse Keeper
Megan Hennessy	Outdoor Education Instructor (as of March 2017)
Ross Winters	Canteen Cook (until May 2017)
Ryan Goodall	Outdoor Education Instructor
Shayne Pilgrim	GFC Technician
Steve McMullen	Forest Recreation Technician

Full Authority Board (as of February 2017)

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 Benns	Township of Alnwick/Haldimand
Willie Woo	Municipality of Clarington

2017 Summer Students

Austin Veleke	Landscape Technician
Brock Prescott	Landscape/Forest Technician
Connor Reid	Assistant Fisheries Technician
Daniel Moore	Assistant Fisheries Technician
Dominic Sudano	Nature Nuts Summer Camp Counsellor
Josh Levin	Assistant Water Resource Technician
Mitch Dwyer	Assistant Water Resource Technician
William Lemieux	Ganaraska Forest Technician

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GANARASKA REGION CONSERVATION AUTHORITY

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