



City of Hamilton
GENERAL ISSUES COMMITTEE

Meeting #: 18-003(a)
Date: January 23, 2018
Time: 9:30 a.m.
Location: Council Chambers, Hamilton City Hall
71 Main Street West

Stephanie Paparella, Legislative Coordinator (905) 546-2424 ext. 3993

	Pages
1. CHANGES TO THE AGENDA	
2. DECLARATIONS OF INTEREST	
3. APPROVAL OF MINUTES OF PREVIOUS MEETING	
4. CONSENT ITEMS	
5. PRESENTATIONS	
Note: Presentation start times are approximate only.	
5.1 Conservation Halton (9:45 a.m.)	3
5.2 Grand River Conservation Authority (10:15 a.m.)	33
5.3 Hamilton Beach Rescue Unit (10:45 a.m.) (no copy)	
5.4 Royal Botanical Gardens (11:15 a.m.)	111
5.5 Hamilton Region Conservation Authority (11:45 a.m.)	112
5.6 Niagara Peninsula Conservation Authority (12:15 p.m.)	146
6. MOTIONS	
7. NOTICES OF MOTION	

8. ADJOURNMENT

Graham Paine/Metroland



CONSERVATION HALTON **2018 BUDGET**

2018 BUDGET SUMMARY

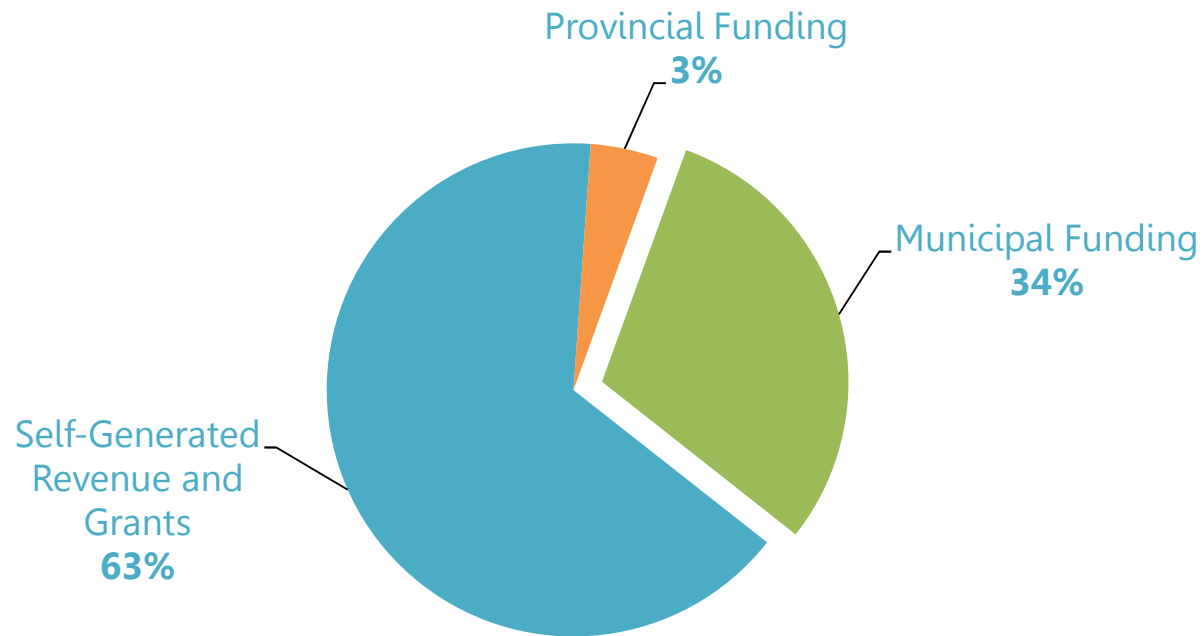
	2017 Budget	2018 Budget
Operating Budget	\$25,683,231	\$27,053,856
Capital Budget	\$7,503,000	\$4,288,321
State of Good Repair Levy	<u>\$0</u>	<u>\$261,000</u>
TOTAL	<u>\$33,186,231</u>	<u>\$31,603,177</u>

2018 MUNICIPAL FUNDING

MUNICIPAL APPORTIONMENT

Municipal Funders	Municipal Funding 2017 (Historical Apportionment %)	Municipal Funding 2018 (Historical Apportionment %)	% Change (Historical Apportionment %)	Municipal Funding 2018 (Revised Apportionment %)	Increase / Decrease \$
Halton	\$8,451,896	\$8,818,431	4.3%	\$8,353,342	(\$465,089)
Peel	\$482,116	\$498,260	3.3%	\$471,983	(\$26,277)
Hamilton	\$202,031	\$209,099	3.5%	\$701,659	\$492,560
Puslinch	<u>\$23,044</u>	<u>\$22,534</u>	(2.2%)	\$21,340	(\$1,194)
TOTAL	<u>\$9,159,087</u>	<u>\$9,548,324</u>	4.2%	<u>\$9,548,324</u>	-

2018 BUDGET FUNDING SOURCES



Total Funding: \$31,603,177
Municipal Funding: \$9,548,324

2018 MUNICIPAL FUNDING

	2017 Budget	2018 Budget	2018 vs 2017 Budget Variance	
Municipal Funding	\$9,159,087	\$9,287,324	\$128,237	1.4%
State of Good Repair Levy	\$0	\$261,000	\$261,000	

2018 MUNICIPAL OPERATING FUNDING

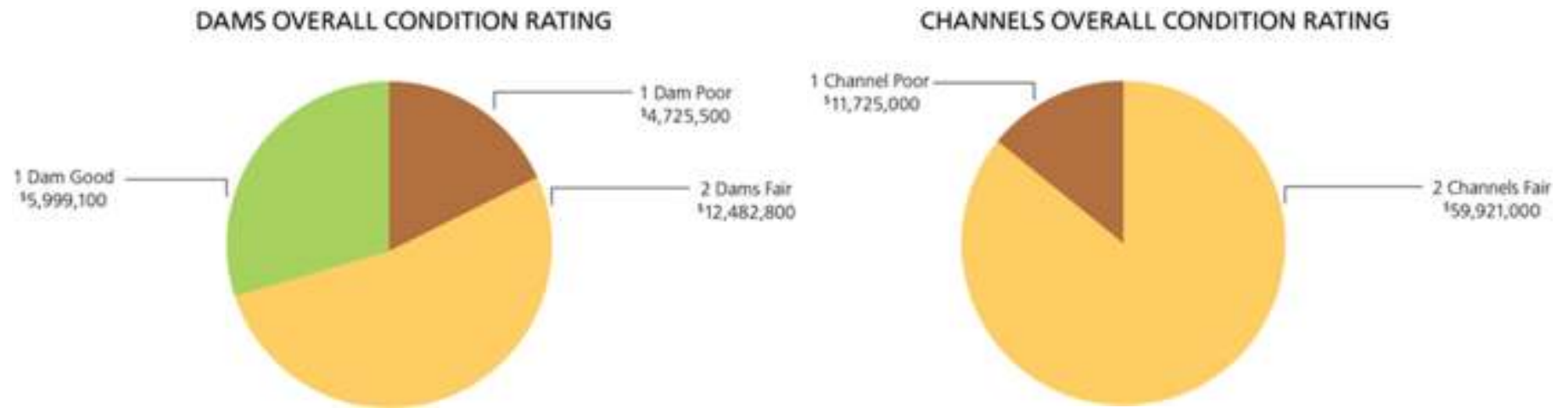
Municipal Operating Funding Drivers	Increase / (Decrease)	Increase / (Decrease)
Compensation and inflation increases	\$296,236	3.4%
Debt Financing Charges	<u>\$110,881</u>	<u>1.3%</u>
Subtotal	\$407,117	4.7%
Program restructuring	<u>(\$373,193)</u>	<u>(4.3%)</u>
Municipal Operating Funding Increase	\$33,924	0.4%
2018 Municipal Operating Funding	\$8,630,511	

2018 CAPITAL PROJECTS

Capital Project	Budget
Flood Forecasting & Operations	\$145,000
Flood Plain Mapping Update	\$466,626
Information Technology Infrastructure	\$158,500
Other – AM Plan, Fees & Projects	\$145,000
Emerald Ash Borer (EAB) Management**	\$1,154,000
Dams & Channels Major Repairs	\$877,300
Vehicle & Equipment Replacements	\$700,395
Conservation Areas Facility & Infrastructure	\$510,000
Other – Foundation funded	\$131,500
TOTAL	\$4,288,321

ASSET MANAGEMENT PLAN

DAMS AND CHANNELS



Asset Management Plan – Dams and Channels approved July 2017
Total Replacement Value \$94.9 M







FORESTRY SHOP



FUEL PUMPS



GLEN EDEN

METAMORPHOSIS

STRATEGY MAP

Our Purpose: To protect our communities and conserve our natural environment through planning, education and recreation and to support our partners in the creation of sustainable communities within our watershed.

Our Ambition: A healthy watershed with clean streams, abundant forests and natural habitats that are in balance with our growing communities and engaged residents.





PREPARING FOR THE EFFECTS OF CLIMATE CHANGE

What we will focus on

Maintenance and upgrades of flood control structures and modernization of flood management operations to protect communities from severe weather and natural hazards.

Some of our key initiatives

- Continue to improve flood control structures, conduct regular inspections and implement upgrades and repairs as required.
- Investigate and modernize dam operating, flood forecasting and warning technologies and tools.
- Establish improved modelling tools used for hydrology and hydraulic purposes to support more informed decision-making.
- Update base aerial photography and digital surface modelling.
- Update floodplain mapping and associated data management activities.
- Review and update regulation mapping layer for Lake Ontario and Burlington Bay shoreline.

How we're doing so far

- Ingestion of real-time rain gauge data from fourteen (14) additional rain gauges through coordination with Halton Region
- Installation of cellular modems on six (6) Water Survey of Canada streamflow stations
- Installation of redundant communications systems (terrestrial broadband internet) and fail over at Hilton Falls Dam
- Installation of air temperature sensor and anemometer at Hilton Falls Dam to measure wind speed and direction
- Improvements to rain gauge station at Kelso dam including relocation and addition of heater kit
- Installation of staff gauge at Kelso dam & training of additional Conservation Halton Staff on use of camera application
- Implementation of required servicing of valve actuators at Hilton Falls dam.
- Installation of new air temperature sensor and radiation shield at Water Survey of Canada station

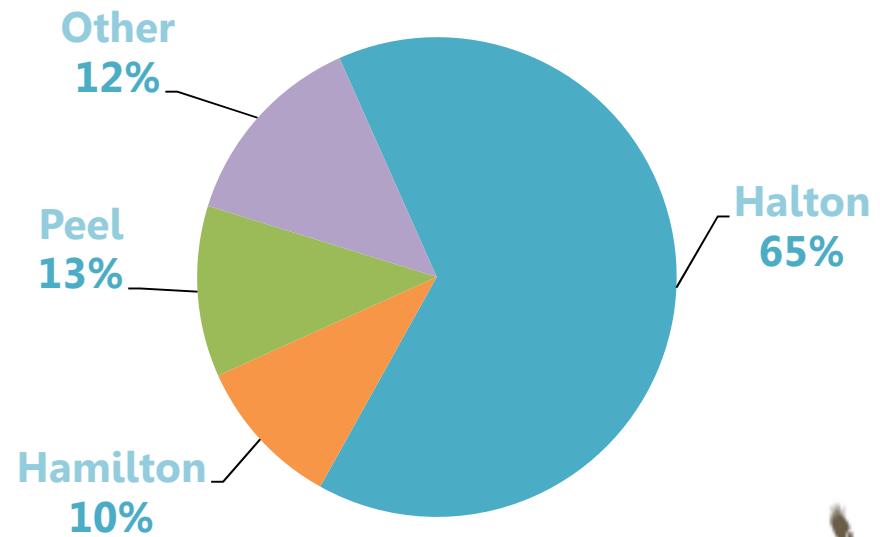
SOCIAL, ECONOMIC & ENVIRONMENTAL BENEFITS



ECONOMIC INVESTMENT

746 SEASONAL EMPLOYEES
(not tax supported!)

\$3,500,000
SEASONAL WAGES
2017 *(projected)*





RECREATION & TOURISM

Inspiring *places*

Memorable *experiences*

Accessible *opportunities*

Health *benefits*

Community *assets*

Tourism *destinations*

1,065,000 HALTON PARKS *visitors*

35,000 FALL INTO NATURE *visitors*

19,400 MAPLE TOWN *visitors*

960 BIKE RACE SERIES *participants*



9,000 children, parents and other family members *experienced the magic of Christmas Town*



EDUCATION

Outdoor *classrooms*
Memorable *experiences*
Teaching *opportunities*
Meaningful *lessons*
Engaged *students*

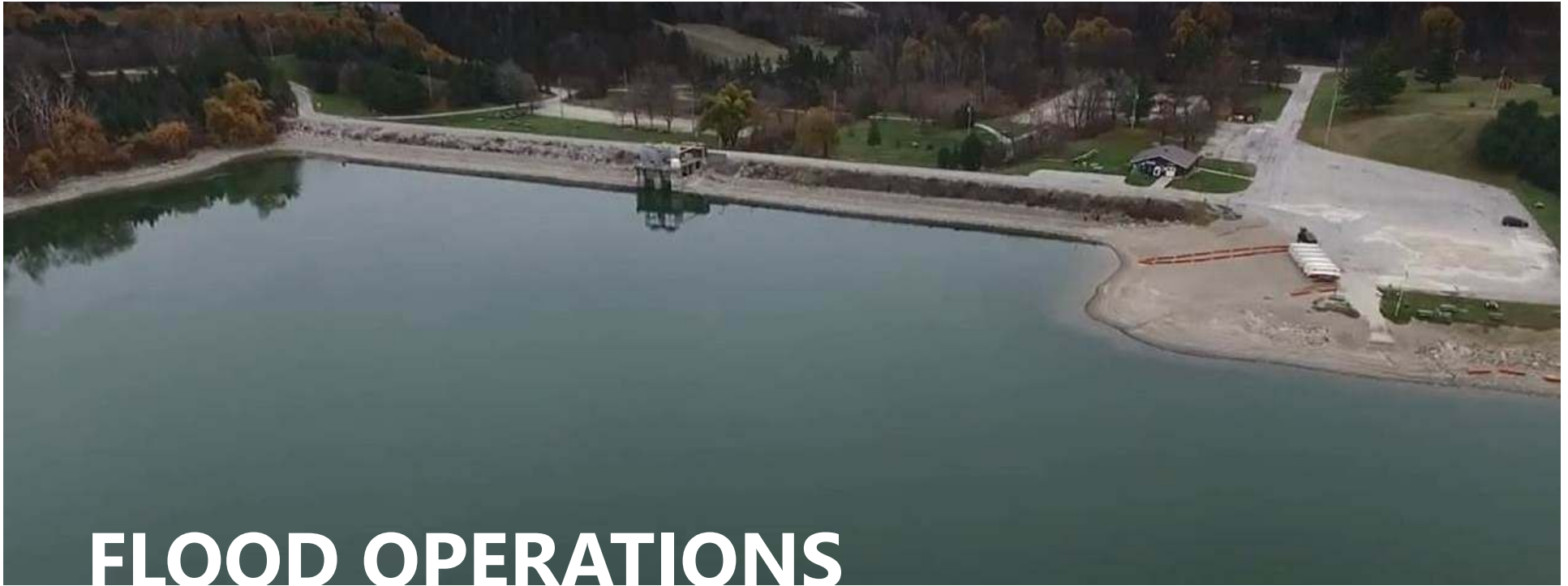
20,500 MOUNTSBERG *students*
32,000 CRAWFORD LAKE *students*
1,658 FOREST FESTIVAL *students*
3,920 WATER FESTIVAL *students*
2,787 WAYS OF THE WOODS *campers*



CONSERVATION

Collaborative *science*
Healthy *environment*
Climate *resilience*
Green *communities*
Engaged *residents*

6,867 ACRES OF FOREST *managed*
126,000 TREES AND SHRUBS *planted*
145 ACRES OF LAND *forested*
8,000 ASH TREES *removed*
51 STEWARDSHIP AND RESTORATION PROJECTS *completed*



FLOOD OPERATIONS

Safe *communities*

Protected *assets*

Resilient *infrastructure*

Economic *assurance*

Better data and ability to predict impacts of extreme weather.

Automation of equipment through technology.

Improved warning times.

Conservation Halton Proposed Real-Time Rain Gauge Network



- Heated Gauge
- Weighing Gauge

- Conservation Halton
- City of Burlington
- △ Credit Valley Conservation
- ▲ Environment Canada
- ★ Regional Municipality of Halton
- Municipal Boundary
- Niagara Escarpment

Existing Coverage (Telemetered)

- Conservation Halton
- Conservation Halton (PGMN)
- Region of Halton
- Town of Oakville
- Credit Valley Conservation
- City of Burlington
- City of Hamilton

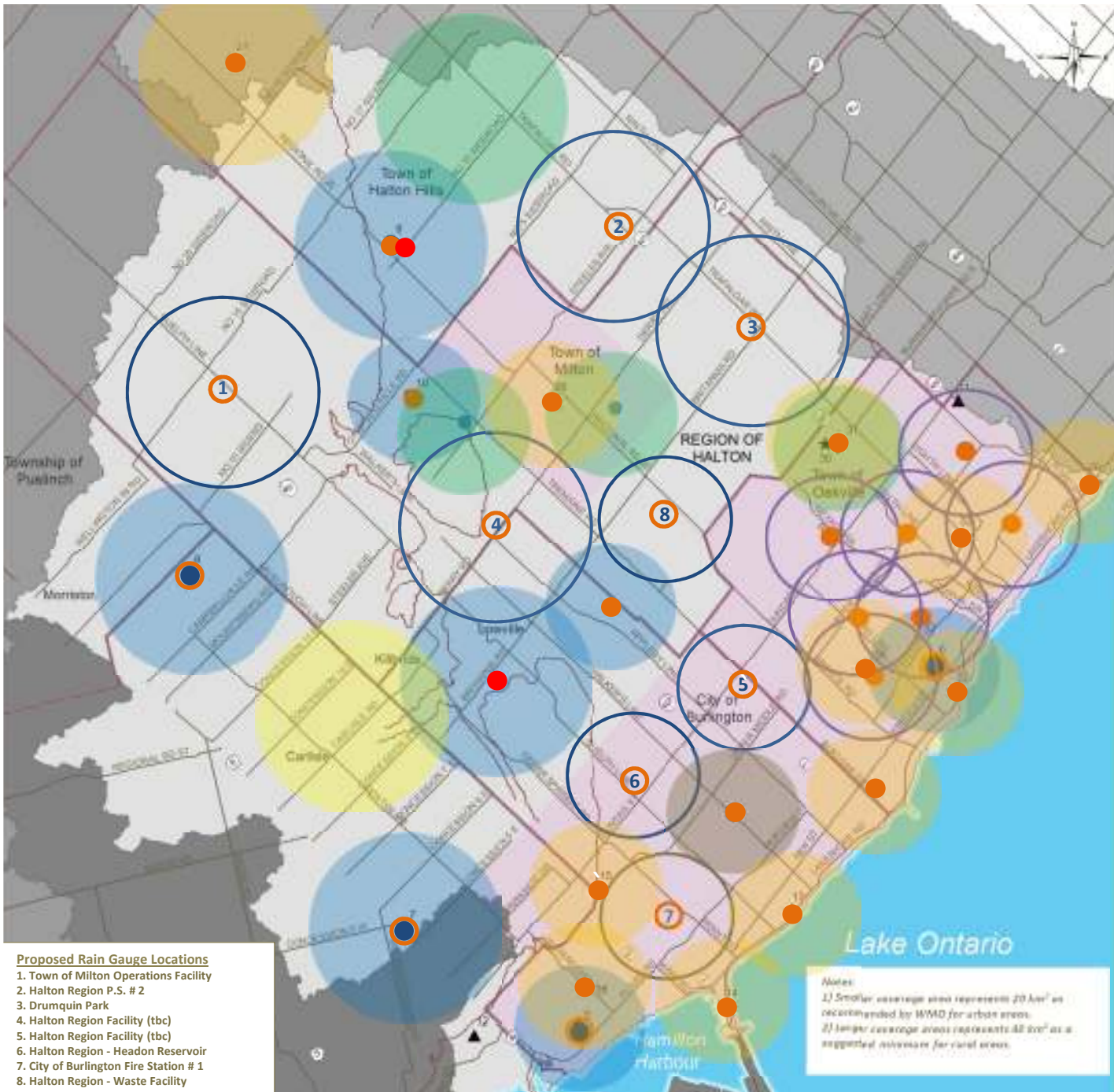
Future Stations (Telemetered)

- Conservation Halton
- City of Burlington
- Town of Oakville
- Region of Halton
- City of Hamilton
- Other



All boundaries on this mapping should be considered approximate. The responsibility of liability is assumed by Conservation Halton, its employees, officers and agents or the data providers listed below for any errors, omissions or inaccuracies. Source data for this map is used under license from the Ministry of Natural Resources, © Queen's Printer for Ontario, 2014. Data provided by Regional Municipality of Halton, Community Collaborative Rain, Hail & Snow Network (CoCoRaH), Environment Canada, and National Oceanic and Atmospheric Administration (NOAA)

This map is protected by copyright and may not be reproduced. Produced by Conservation Halton 2017



- Proposed Rain Gauge Locations**
1. Town of Milton Operations Facility
 2. Halton Region P.S. # 2
 3. Drumquin Park
 4. Halton Region Facility (tbc)
 5. Halton Region Facility (tbc)
 6. Halton Region - Headon Reservoir
 7. City of Burlington Fire Station # 1
 8. Halton Region - Waste Facility

Notes:

- 1) Smaller coverage area represents 20 km² as recommended by WMO for urban areas.
- 2) Larger coverage areas represents 40 km² as a suggested minimum for rural areas.



PLANNING & PERMITS

Process mapping has been completed, recommendations have been approved and implementation is set to begin in January.

295 PLAN REVIEWS

(70% received approval in 6 weeks and 95% received approval in 10 weeks)

162 MINOR PERMITS

(97% received approval in 30 days)

40 MAJOR PERMITS

(80% received approval in 90 days)

52 LETTERS OF PERMISSION

(average delivery time of 29 days)

PARTNERSHIP & COLLABORATION



COURTCLIFFE PARK

Completed the restoration of Courtcliffe Park to return creeks to a more natural state, create habitat for fish, birds, insects and other species and designate the area as a community green space.



COOTES TO ESCARPMENT

Launched the restoration of Hopkins Tract with a prescribed burn to restore the small field with wetlands, creeks, forest and other natural as part of the Cootes to Escarpment EcoPark System.



GLENORCHY CONSERVATION AREA

Restoration of Glenorchy to protect 650 acres of forest, grassland, wetlands and creeks and create habitat for wildlife and greenspace for the community.



CRAWFORD LAKE VILLAGE IMPROVEMENT PROJECT

Launched the final phase of the Crawford Lake Village Improvement Project to renovate of Turtle and Wolf Clan Longhouses and prolong the life of this infrastructure.



SUMMARY

2018 BUDGET PROVIDES COMMUNITIES...

- Updated floodplain mapping
- Funding for asset management plan
- Partnerships to restore natural lands
- Education and outreach programs
- Environmental monitoring

**Thank you for your
continued support.**

2018 Draft Budget



City of Hamilton

January 23, 2018



About the Grand River Watershed

Length

300 km

Area

6,800 km²

larger than Prince
Edward Island



About the Grand River Watershed

Flows into

Lake Erie at Port Maitland

**Length of rivers
and streams**

11,000 km

**4 major
tributaries**

**Speed, Eramosa,
Nith and Conestogo**



About the Grand River Watershed

Population

Close to one million

Boundaries

39 municipalities and two First Nations

80% of people live in five cities:

Kitchener, Waterloo, Guelph, Cambridge, Brantford



About the Grand River Watershed

Farming

70% of watershed is agricultural land

Drinking water

**73% wells
24 % river
3 % lake**

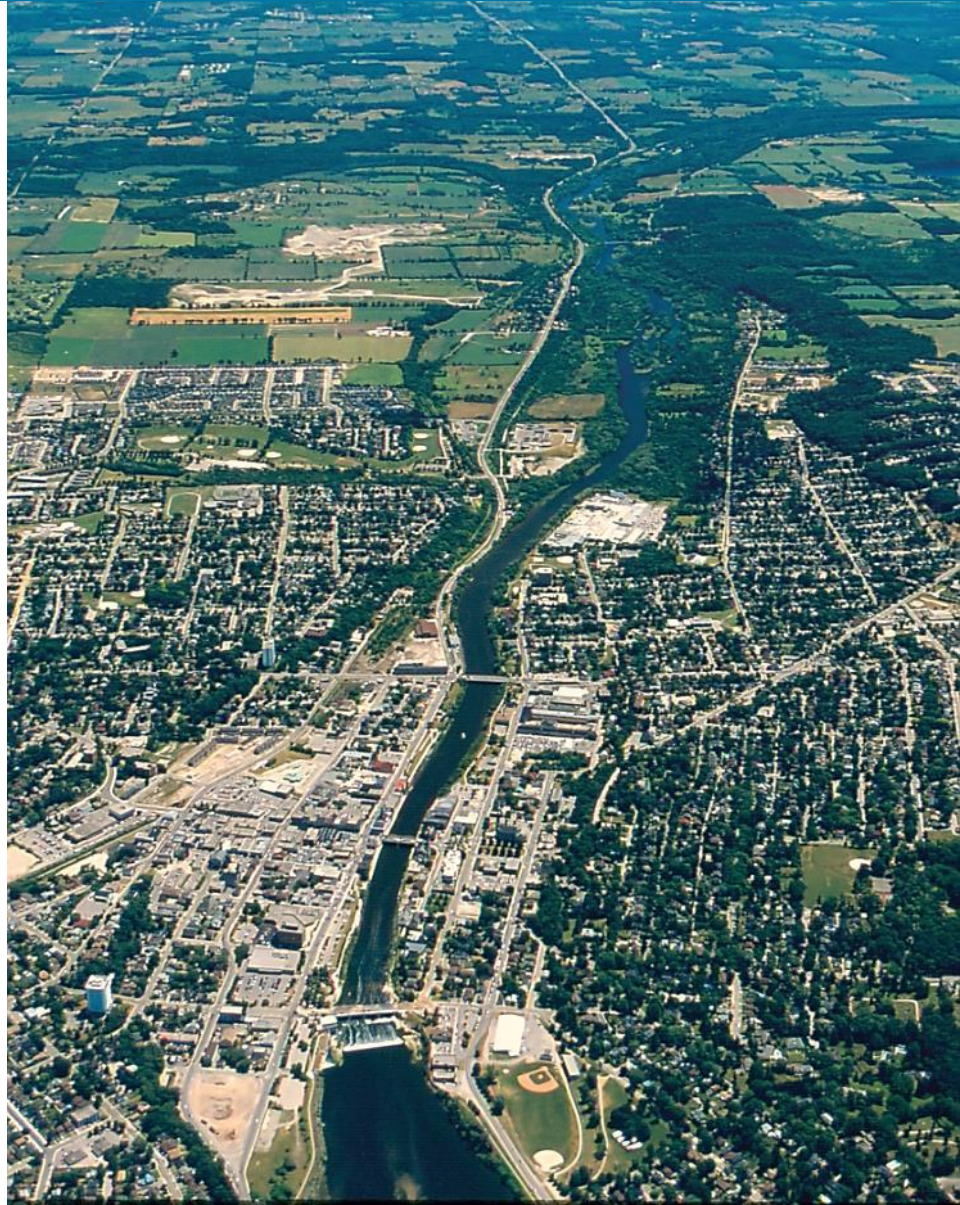
Wastewater

30 sewage treatment plants



About the Grand River Watershed

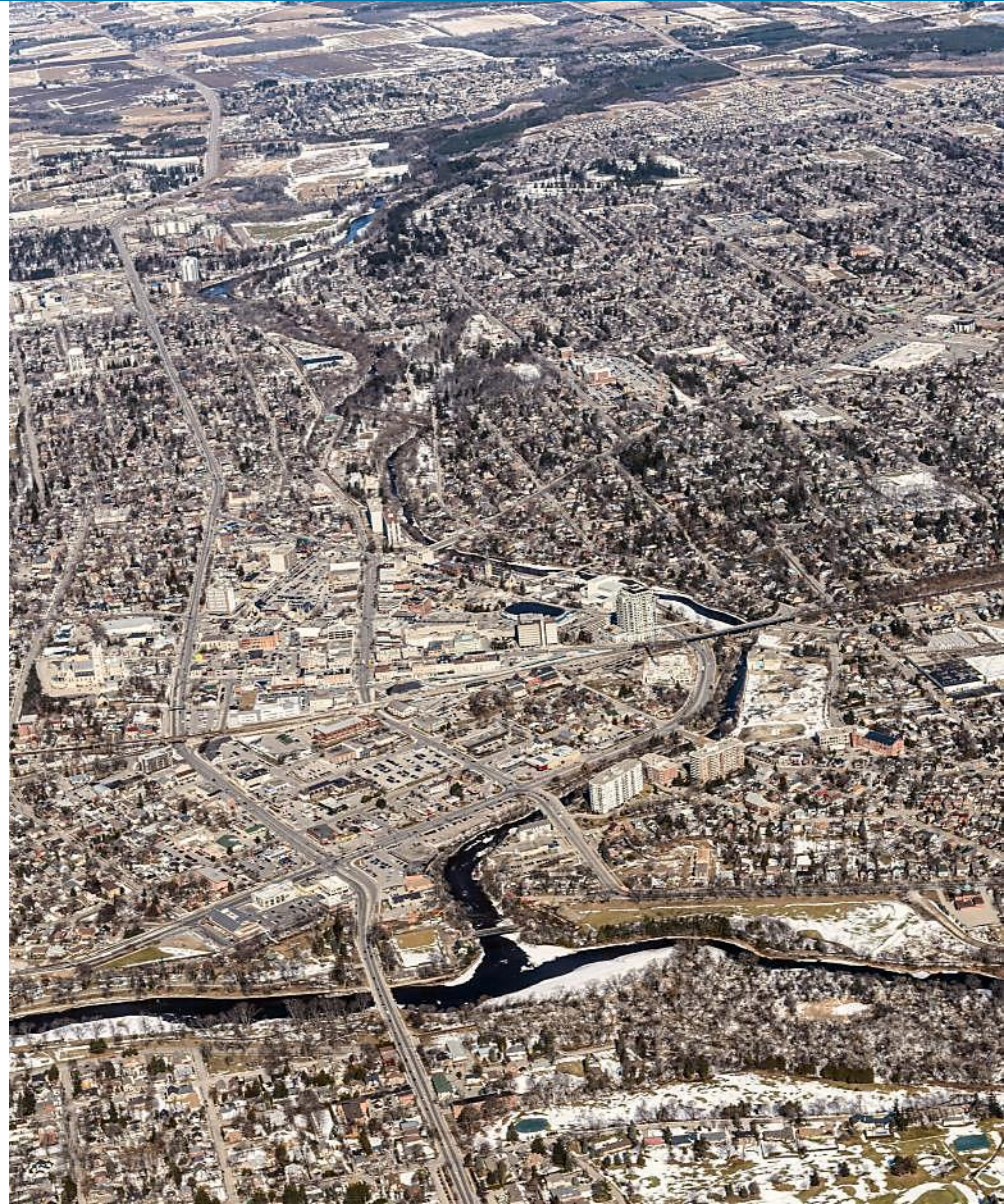
- The Grand River lies at the heart of one of the richest, fastest growing regions in Ontario.
- The vitality of the watershed has been linked to the river and the natural environment.
- The Grand River watershed faces important and evolving challenges...



Critical Issues

Population Growth

- Need for water supplies, sewage treatment, groundwater recharge



Critical Issues

Extensive Agriculture

- impact on water quality and quantity
- erosion needs to be addressed to protect farmland and water quality



Critical Issues

Climate Change

- the issue of our time – presents new challenges including increased frequency of extreme events (floods, droughts, ice storms, etc.)



GRCA Strategic Plan

Objectives:

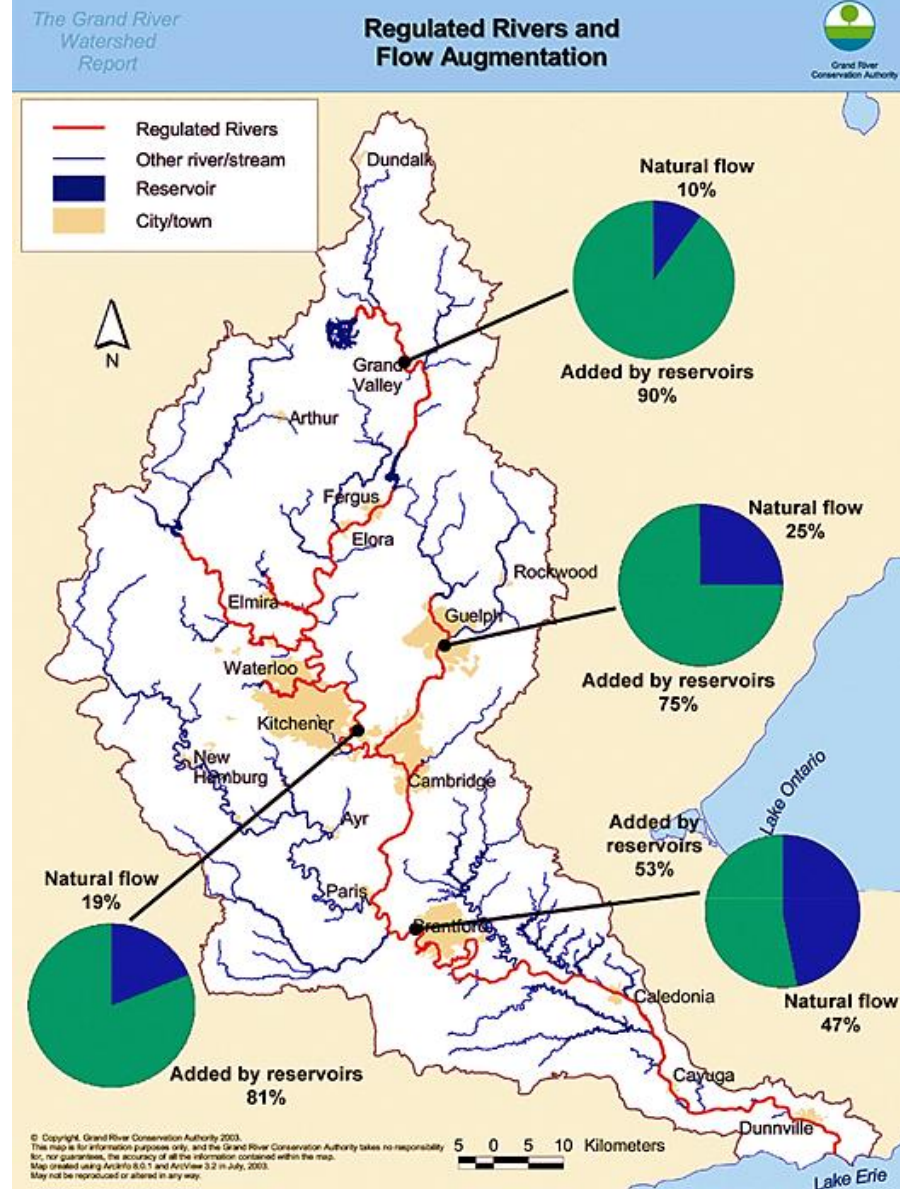
1. Protect life and minimize property damage
2. Improve watershed health
3. Connect people with the environment



Understanding and Responding

Protect life and minimize property damage

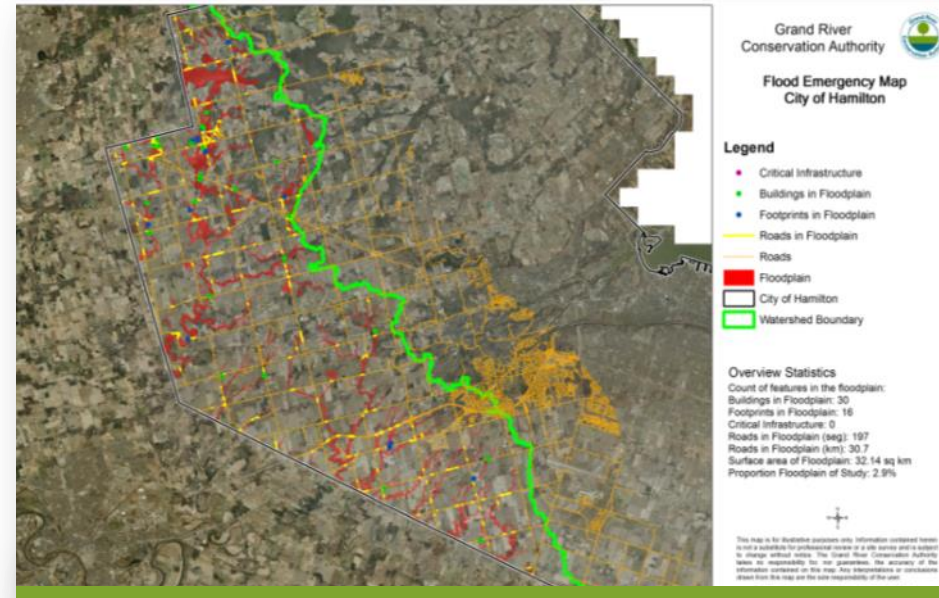
- Seven dams reservoirs actively managed to reduce flood damages and maintain flows



Understanding and Responding

Protect life and minimize property damage

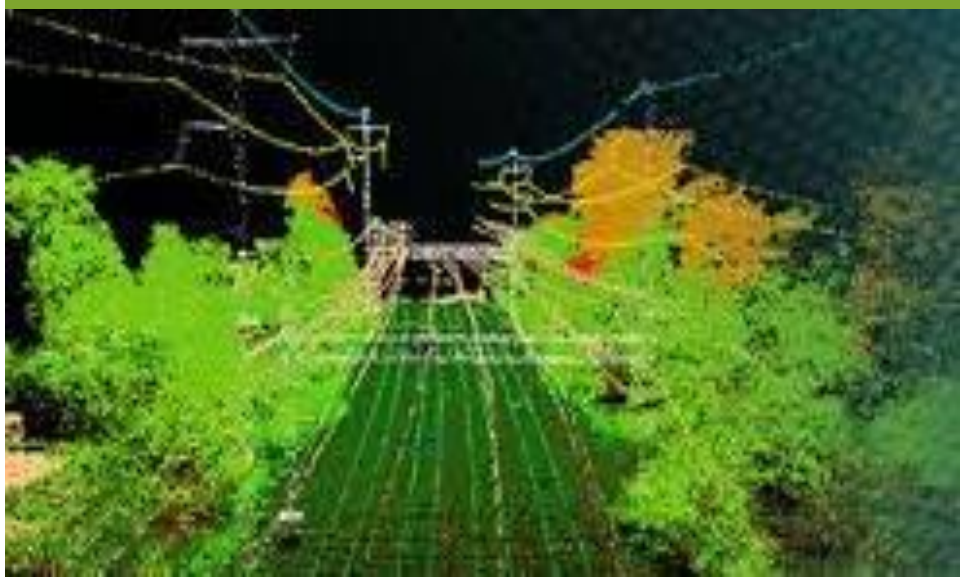
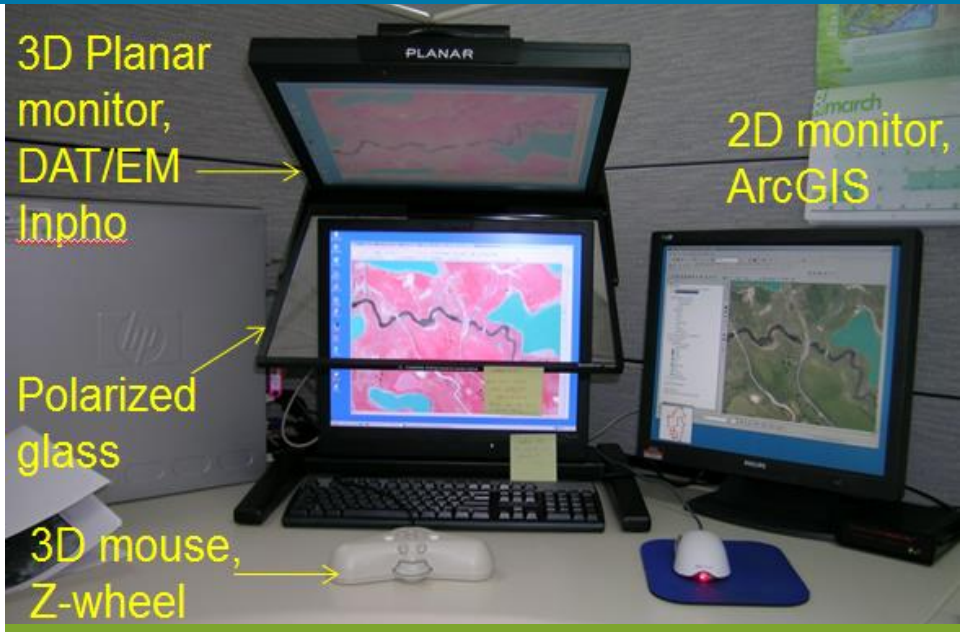
- Working with senior levels of government to find innovative ways to **improve floodplain mapping**
- Ability to **regulate hazard areas** and prevent building in wetlands



Understanding and Responding

Protect life and minimize property damage

- Deliver value and innovation
- Improved flood forecasting and warning



Understanding and Responding

Protect life and minimize property damage



- Improved monitoring and preparedness
- Adapting to climate change



Understanding and Responding

Protect life/ property & Improve watershed health

Planning and Development

- Through a Memorandum of Agreement with the City, GRCA provides technical advice on Planning Act applications
- Advice includes input from biologist/ecologist, water resource engineer and resource planner



Understanding and Responding

Improve watershed health

- Grand River **Source Protection Plan** took effect July 1, 2016
- Province funded 100% of Plan's development
- New municipal supply wells currently being drilled to meet capacity needs in Lynden and St. George

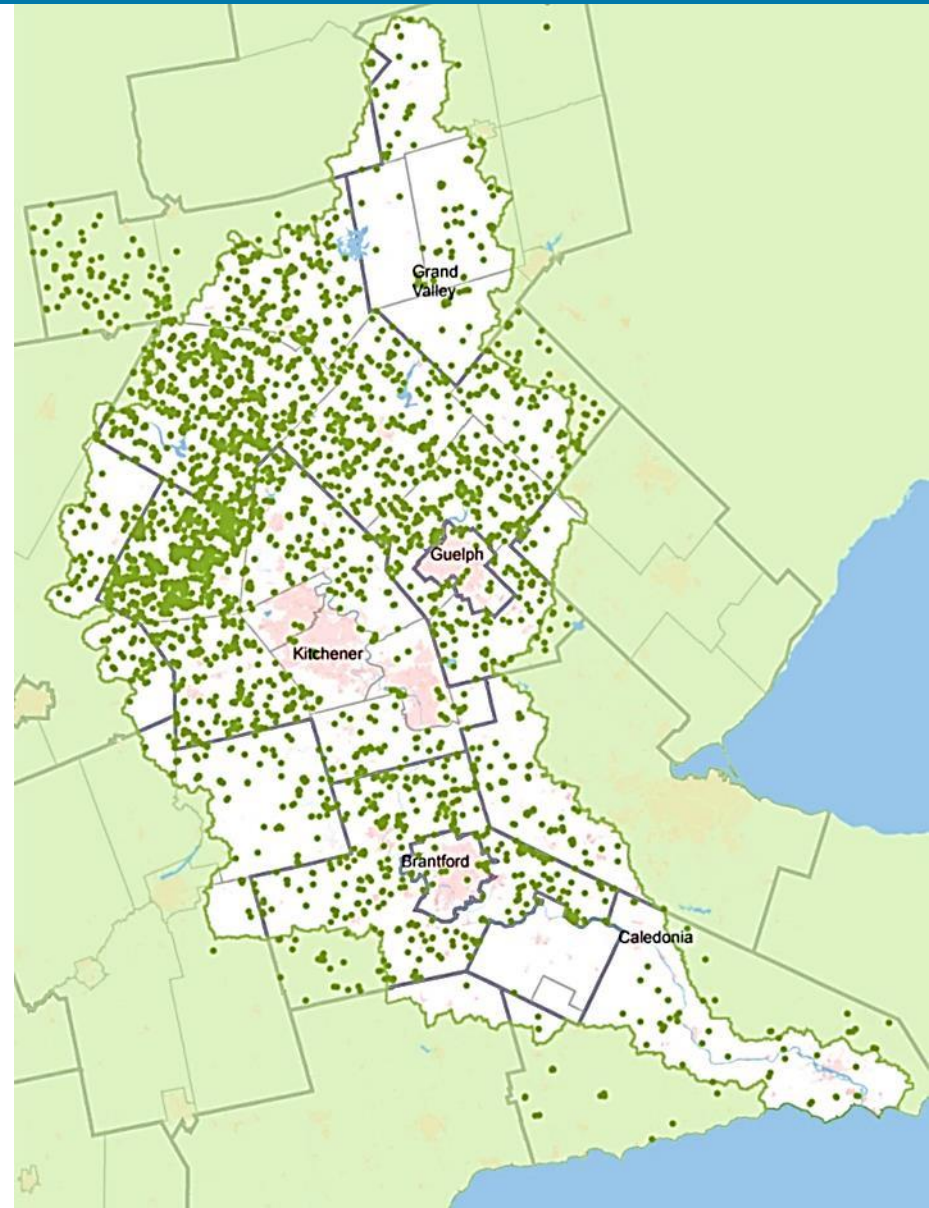


Understanding and Responding

Improve watershed health

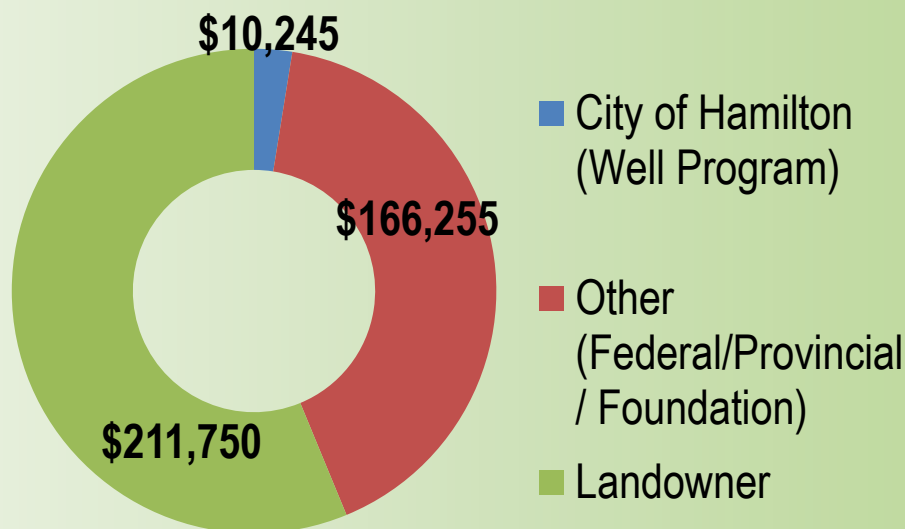
Rural Water Quality Program (RWQP) Watershed Success 1998-2016:

- Over 5,500 projects
- \$16 million in grant
- More than \$45 million invested



Understanding and Responding

Improve watershed health



Hamilton RWQP since 2002

- 99 completed projects
- \$176,500 in grants
- Landowner contribution of \$211,750
- Total investment in water quality protection of \$388,250

Understanding and Responding

Improve watershed health



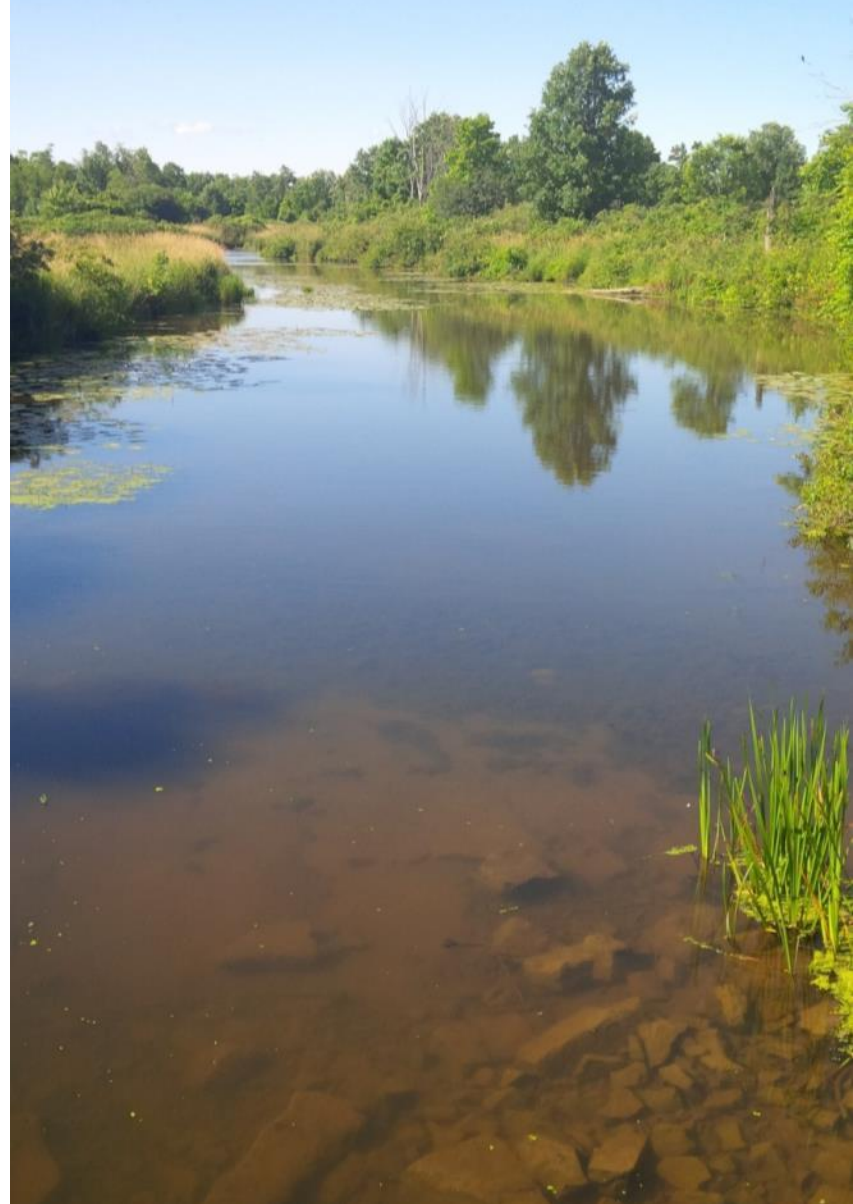
Hamilton RWQP Project Highlights since 2002

- 6 Erosion Control structures built
- 11 fencing projects to restrict livestock from 4 km of watercourse
- 16 hectares of fragile agricultural land retired and planted to trees
- 12 wells decommissioned

Understanding and Responding

Improve watershed health

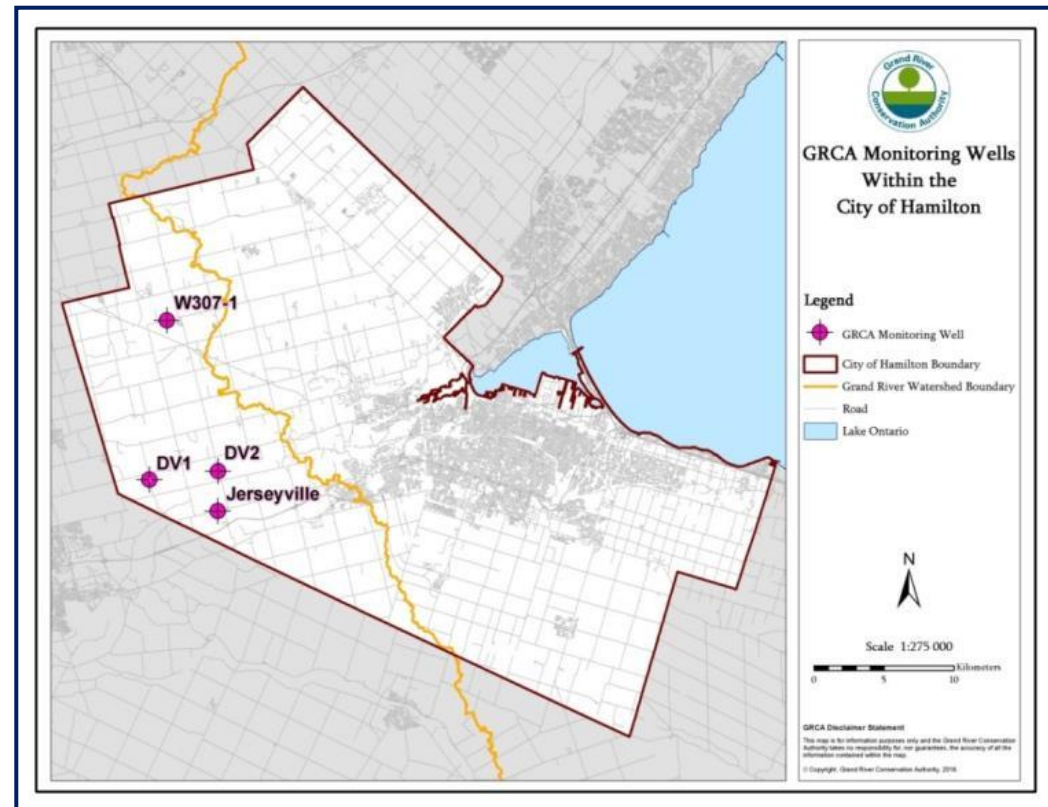
- Subwatershed planning in Fairchild Creek remains a priority in the Water Management Plan
- Listed as a priority for subwatershed planning (Water Management Plan)



Understanding and Responding

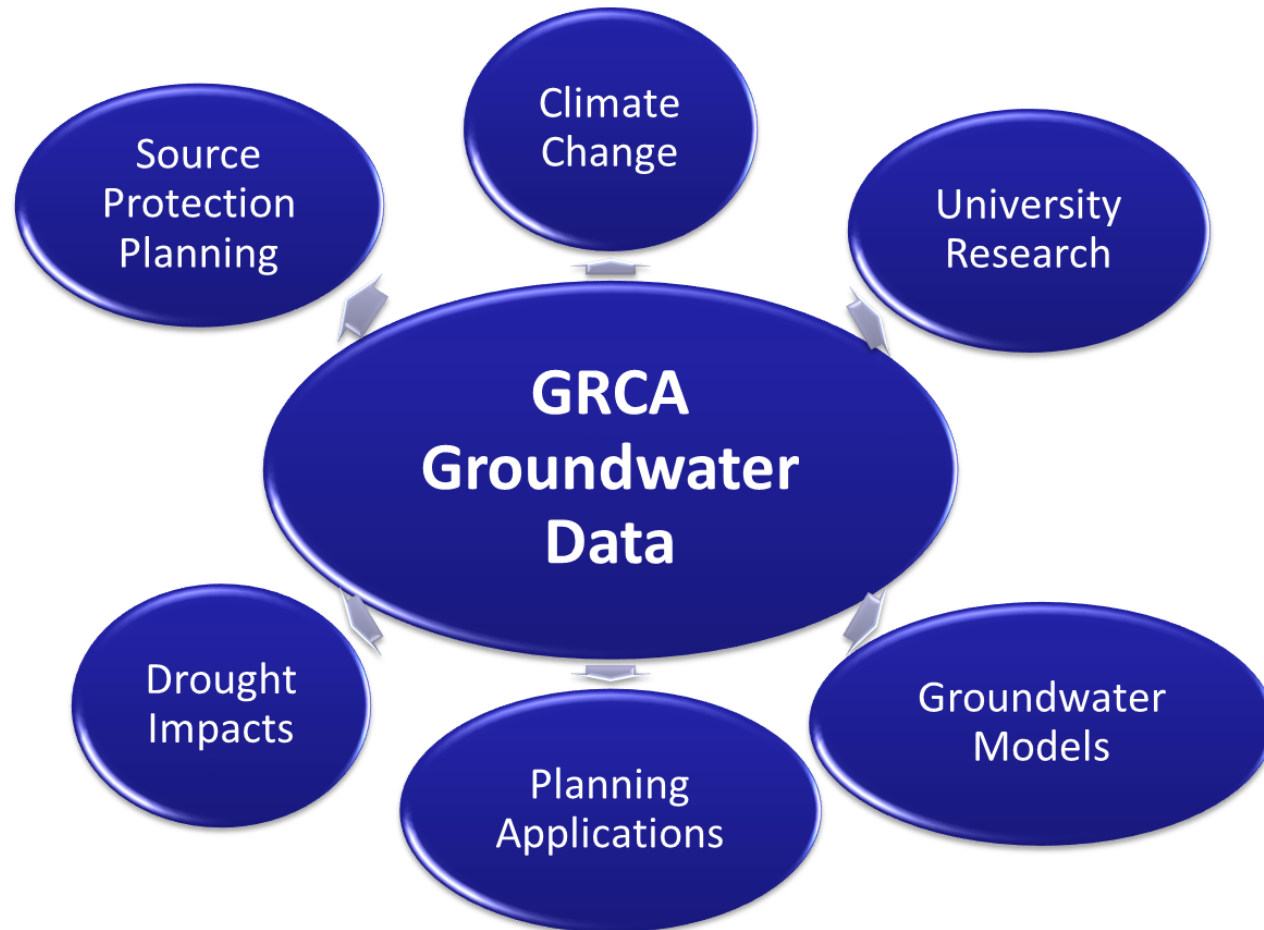
Groundwater Monitoring

- 57 long-term monitoring wells across the watershed
- 4 located in the City of Hamilton
- Wells are equipped to measure hourly groundwater levels, temperature and are sampled annually for chemistry analysis



Understanding and Responding

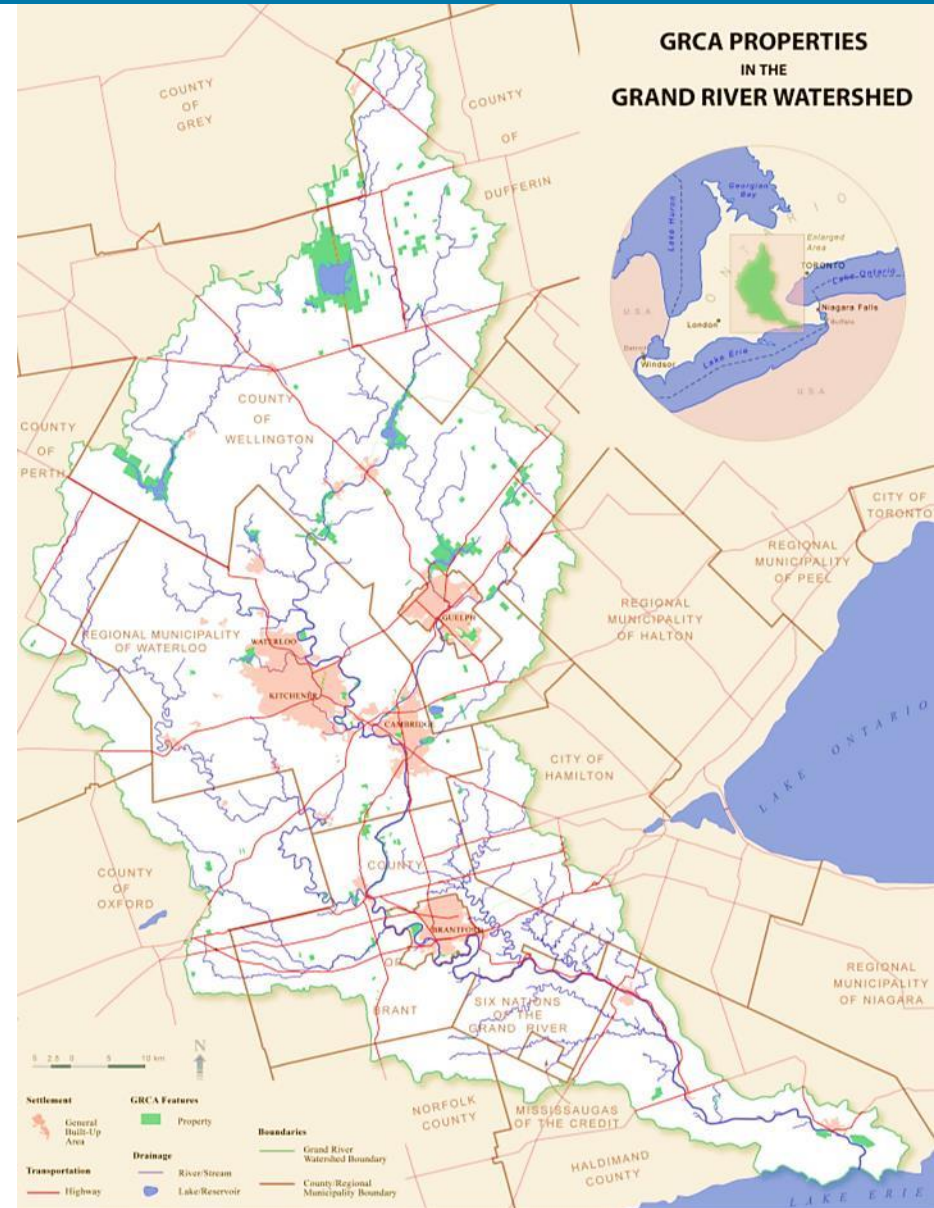
Groundwater Monitoring



Understanding and Responding

Connect people with the environment

- More than 48,000 acres of recreational and natural land
- Includes 11 parks, Luther Marsh Wildlife Management Area, 6 nature centres, as well as cottage lots, farm leases and rail trails
- Current initiatives include wind-down of residential tenancy program, evaluation of other program areas and hazard tree management



Understanding and Responding

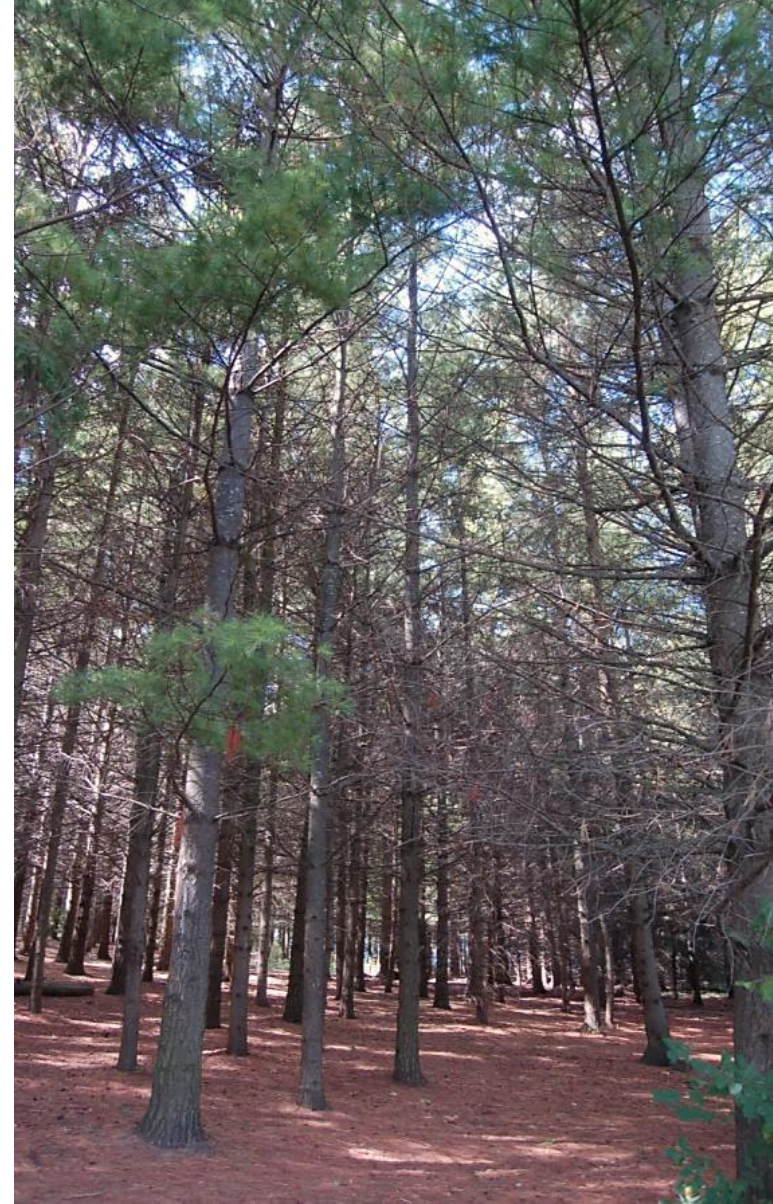
Connect people with the environment

GRCA Parks/Conservation Areas

- Weather dependent
- Revenue forecasts are prone to significant fluctuations
- Record revenue from 2015-2017 has helped fund capital projects

Natural Areas

- Increasing management and cost pressures due to population growth and changing demographics



Understanding and Responding

Some thoughts on Nature ...

If we **teach** them, they will **understand** it. If they understand it, they will **value** it. If they value it, they will **protect** it.

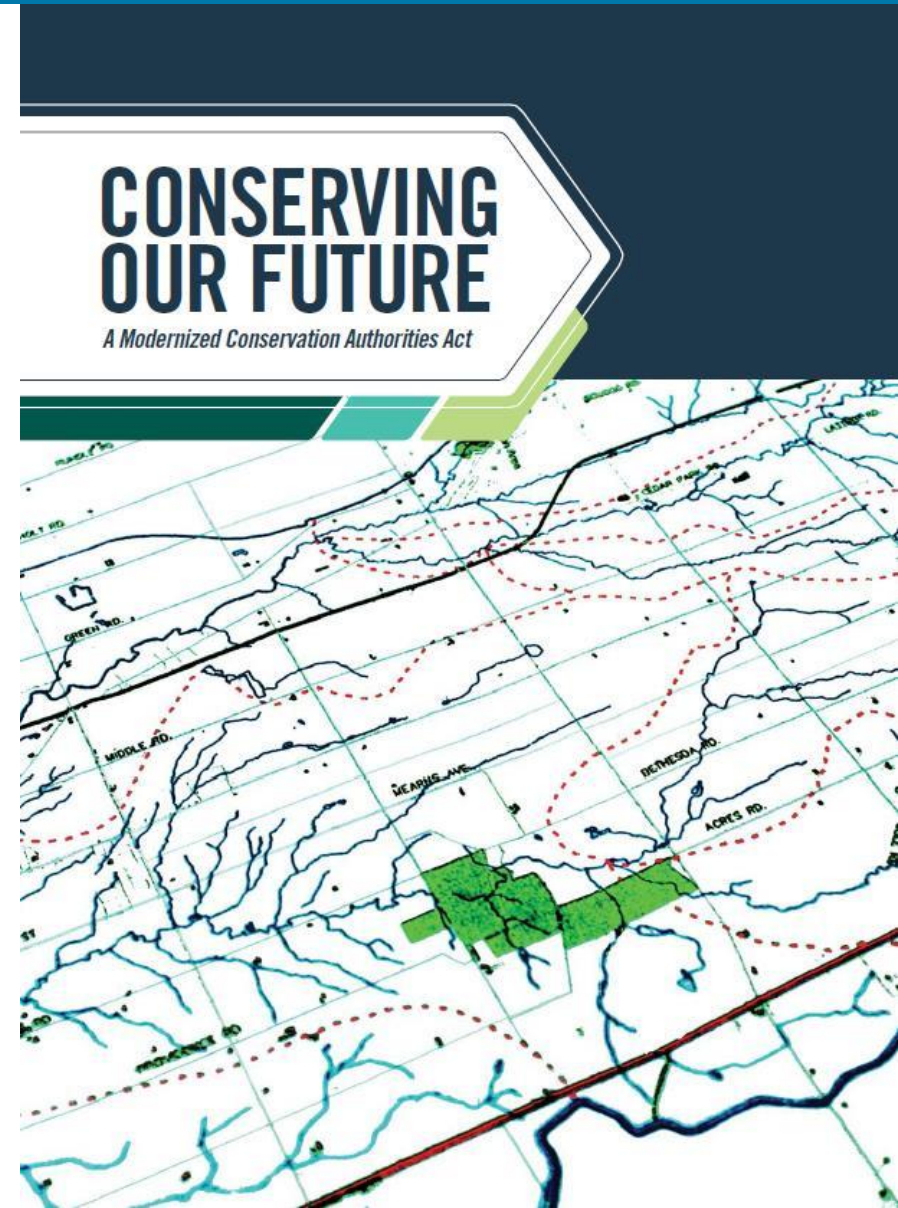
The Future needs: Biologists, Engineers, Resource Managers, Planners, Accountants, Educators, Economists. We must all **communicate**, **collaborate** and **cooperate**.



**Connect people
with the
environment**

New Conservation Authorities Act

- New Conservation Authorities Act was passed on December 12, 2017 as part of ***Bill 139 Building Better Communities and Conserving Watersheds***
- The act is accompanied by a new document, ***Conserving Our Future: A Modernized Conservation Authorities Act*** (MNRF)



New Conservation Authorities Act

Levies

**No significant changes in Levy Apportionment Formula;
The New Act defines three types of levies:**

Capital (projects)

- For works (capital expenditures) undertaken in furtherance of the Authority's objects
- Apportioned based on benefit
- Municipalities can appeal the apportionment to the Local Planning Appeal Tribunal

Maintenance

- For expenditures in relation to the operation or maintenance of a project
- Apportioned based on benefit per Regulation 670/00 (by agreement or CVA)
- Municipalities can appeal the apportionment to the Mining and Lands Tribunal

Administration

- For all costs except capital (projects) and maintenance
- Apportioned in accordance with Regulation 670/00 (based on CVA)
- CA can establish a minimum Administration Levy
- Municipalities can appeal the apportionment to the Mining and Lands Tribunal

2018 Draft Budget

Timetable

September 22, 2017	→ Draft #1 to General Meeting
January 22, 2018	→ Municipalities advised of Meeting Date for Budget
January 26, 2018	→ Draft #2 to General Meeting
February 23, 2018	→ Board Approval, 2018 Budget & Levy (AGM)

(Presentations to municipal councils between October 2017 and February 2018 as required)

2018 Draft Budget

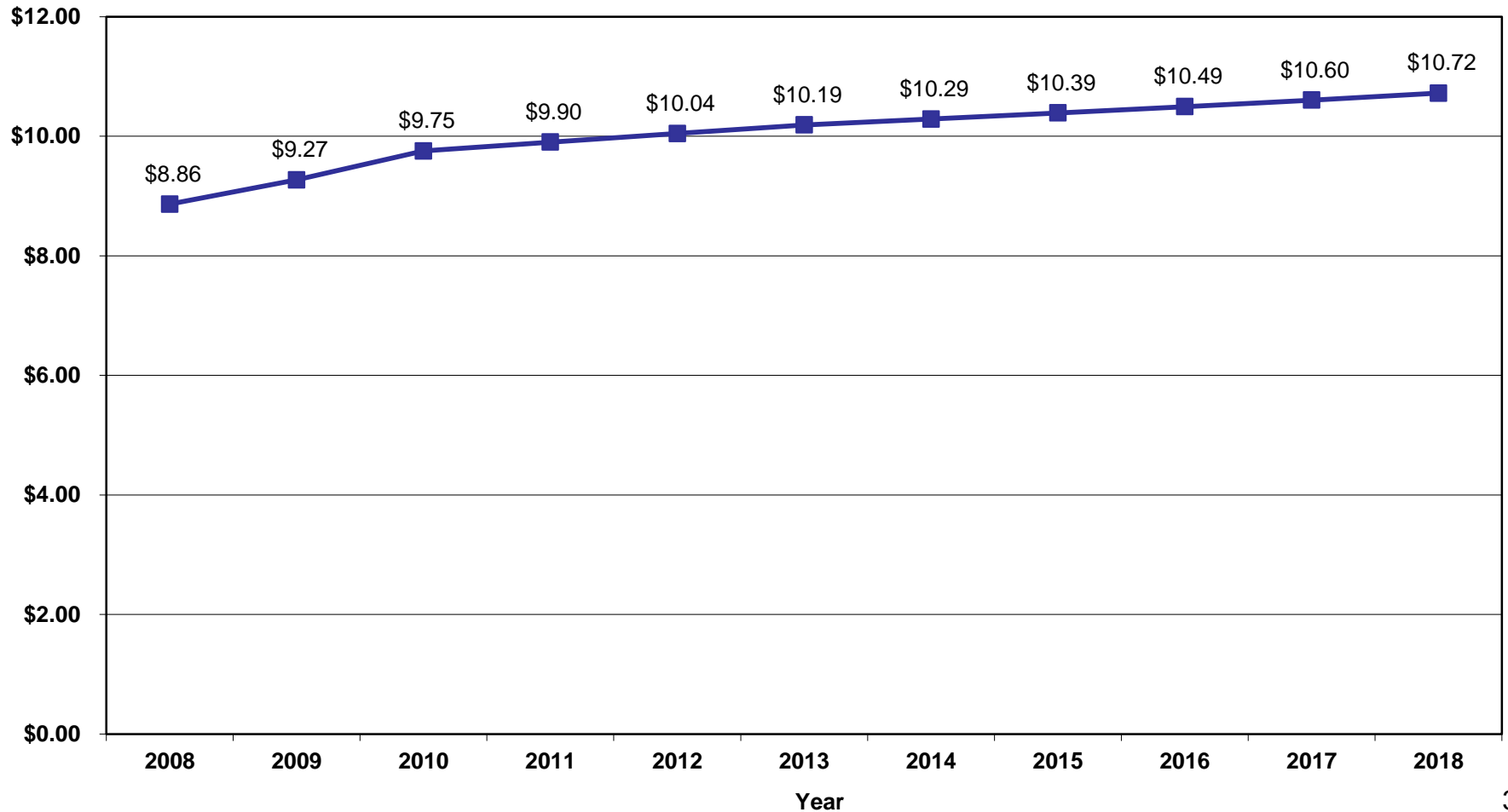
Overview

- **2018 expenditures: \$32.0 million** (\$31 million in 2017)
- **Municipal dollars highly leveraged** (\$1 in municipal levy matched by \$2 from other sources)
- **Per capita municipal levy: \$10.72**



2018 Draft Budget

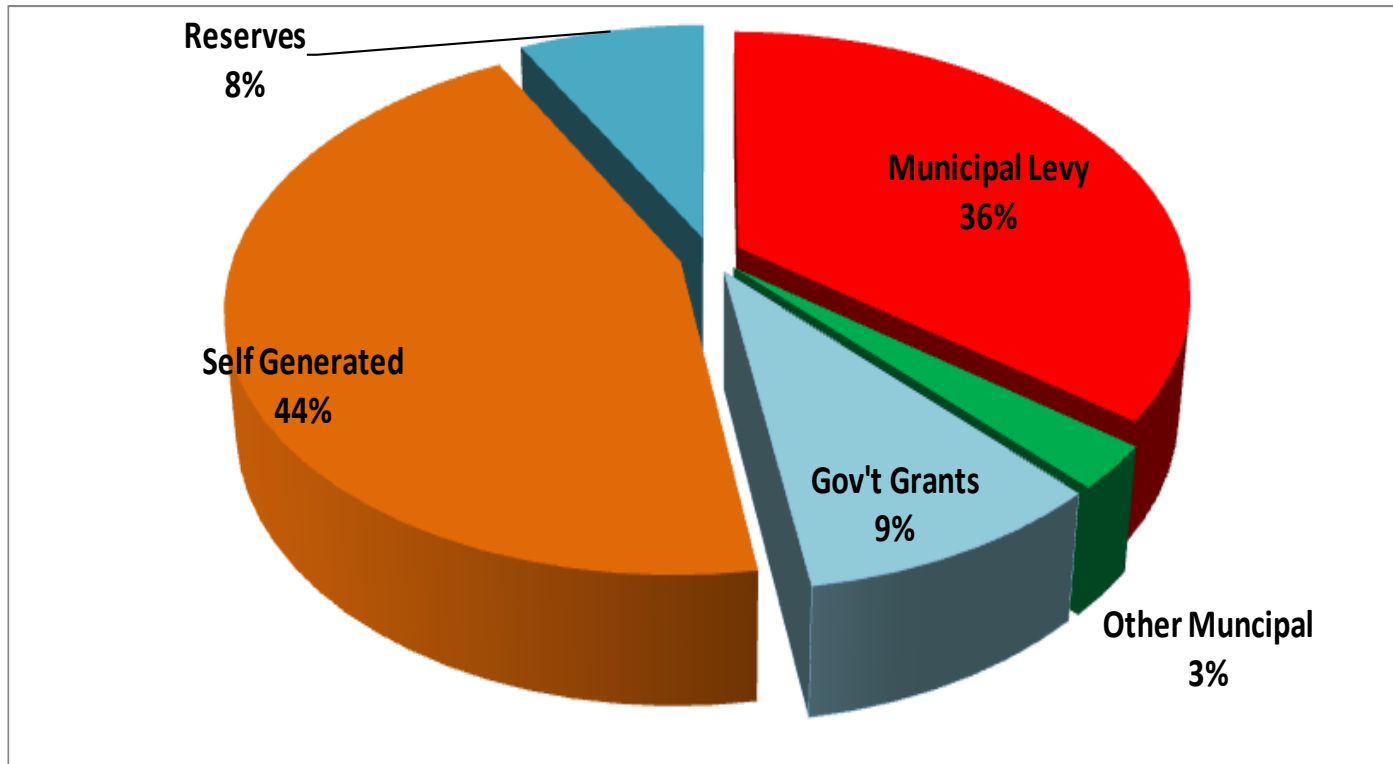
GRCA Per Capita Levy 2008 to 2018



2018 Draft Budget

Revenue by Source

Total 2018 Budget Revenue = \$32.0 Million
(\$ 31.0 Million in 2017)

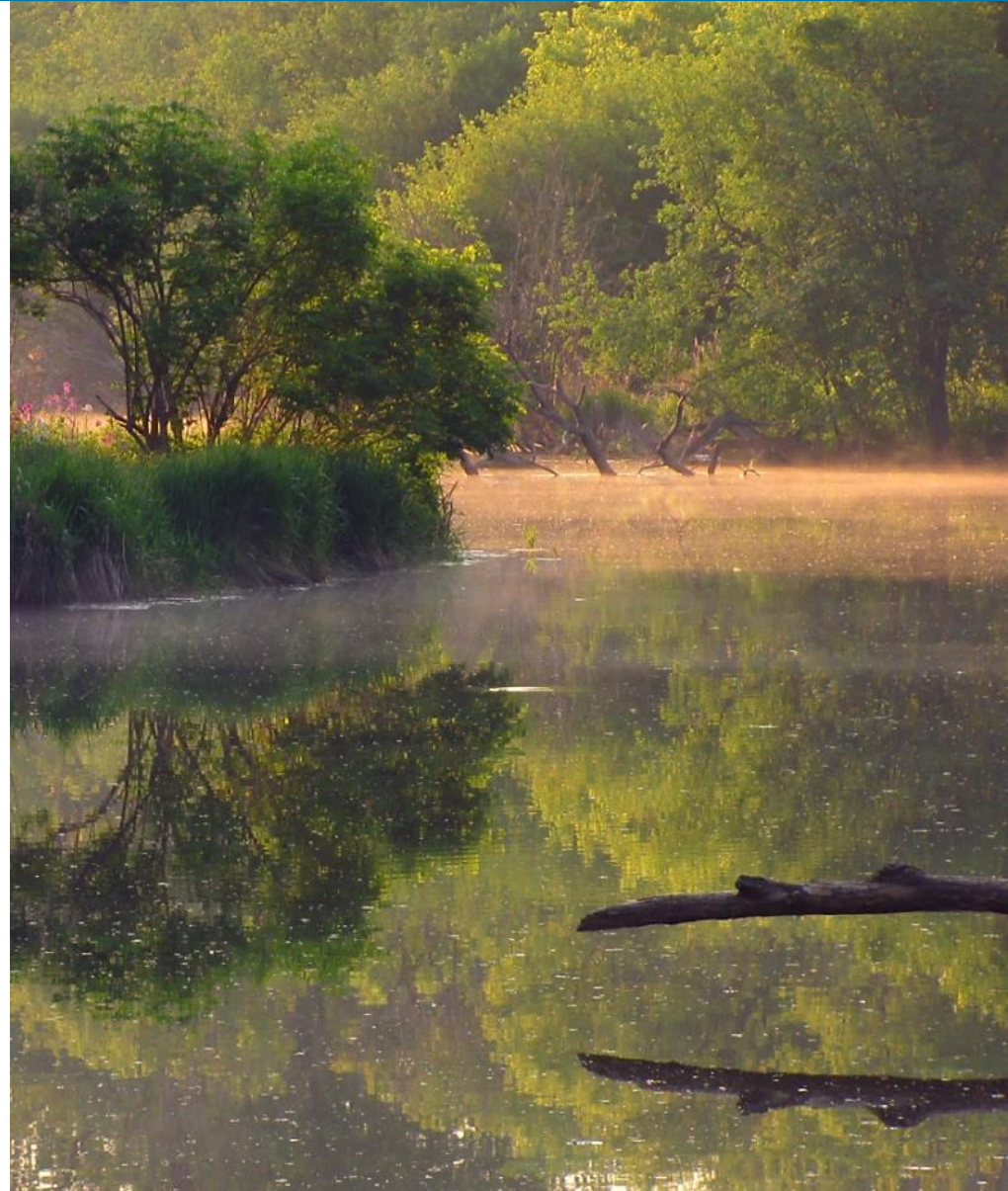


2018 Draft Budget

Revenue

General Municipal Levy

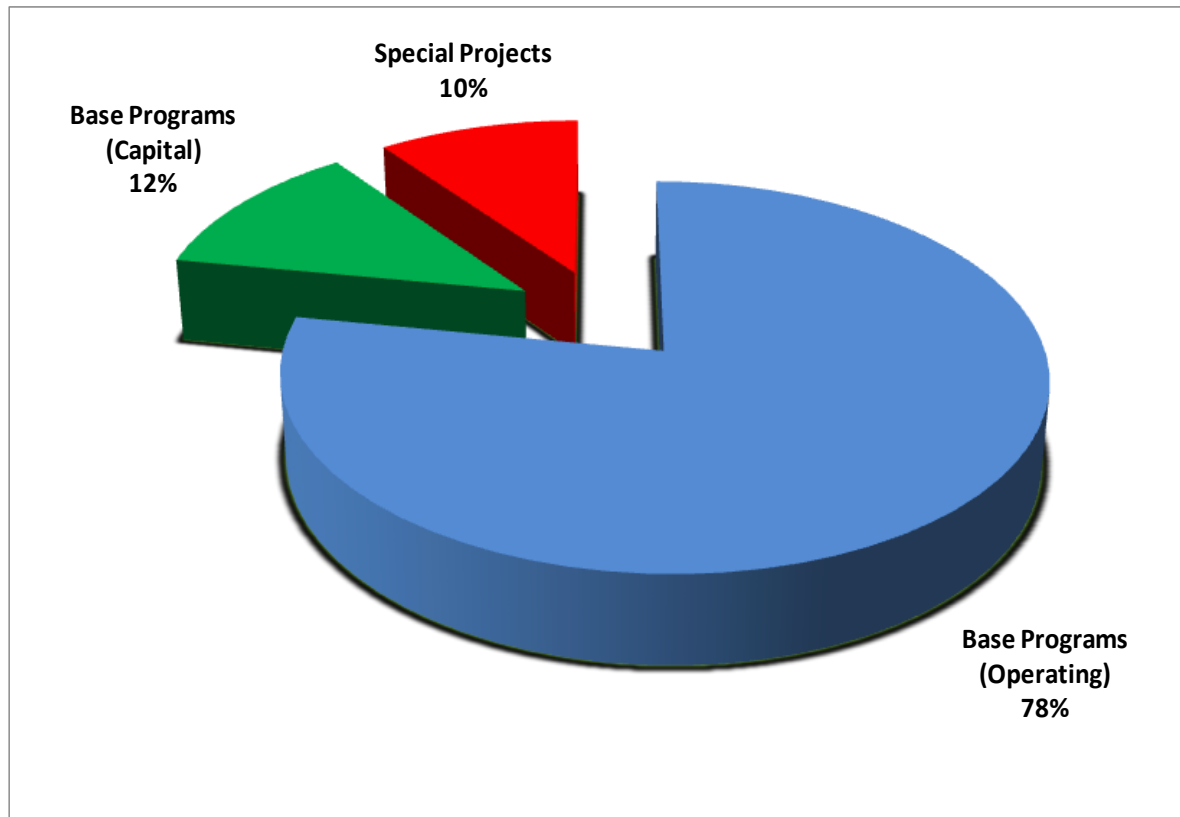
- Increasing by 2.5% to \$11,352,000 in 2018
- Operating Levy (Admin., Programs and Maintenance): \$10,302,000
- Capital Levy (Water Mgmt. Projects): \$1,050,000



2018 Draft Budget

Expenditures by Category

2018 Budget Expenditures = \$32.0 Million
(\$ 31.0 million in 2017)



2018 Draft Budget

Expenditures

Operating Budget (\$24.9 million)

- Watershed Management (dams, flood forecasting, planning, lands)
- Conservation Areas
- Corporate Services and Communication



2018 Draft Budget

Expenditures

Capital Budget (\$3.8 million)

- Water Control Structures
- Conservation Areas



2018 Draft Budget

Expenditures

Special Projects (\$3.2 million)

- Expenses are offset 100% by special funding sources
- Do not use general municipal levy to fund these projects
- Special Projects include Floodplain Mapping, Children's Water Festivals, Water Management Plan, Source Protection Program, Emerald Ash Borer, Rural Water Quality Program, etc.



Levy Apportionment in 2018

Mining and Lands Commissioner Decision Dec 21, 2017

Background

- 26.75% of the geographic area of Hamilton is in the Grand River Watershed
 - Hamilton would pay approximately 12.2% of GRCA's levy
- 5% of the assessment of Hamilton is in the Grand River Watershed
 - Hamilton would pay approximately 2.4% of GRCA's levy

2001/2004 Agreement

- City, GRCA, NPCA, Cons. Hamilton and Cons. Halton agreed to use estimated assessment instead of geographic area
- Formalized by Resolution of the City and its four Conservation Authorities
- Agreement was abandoned by NPCA in 2015. City of Hamilton appealed.

December 21, 2017 Ruling

- The agreement is invalid because:
 - There was no written agreement, and,
 - Resolutions of support were not passed by all other participating municipalities
- Conservation Authorities must use the CVA formula outlined in Regulation 670/00
- GRCA has requested direction from MNRF for 2018

2018 Draft Budget

Grand River Conservation Authority Summary of Municipal Levy - 2018 Budget

DRAFT – with adjustment for Hamilton

	% CVA in Watershed	2017 CVA (Modified)	CVA in Watershed	CVA-Based Apportionment	2018 Budget Operating Levy	2018 Budget Capital Levy	2018 Budget Total Levy	Actual 2017 Levy	% Change
Brant County	84.0%	5,778,502,491	4,853,942,092	3.20%	329,962	33,630	363,592	354,137	2.7%
Brantford C	100.0%	12,178,149,735	12,178,149,735	8.04%	827,847	84,376	912,223	897,489	1.6%
Amaranth Twp	82.0%	651,361,270	534,116,241	0.35%	36,308	3,701	40,009	39,009	2.6%
East Garafraxa Twp	80.0%	498,143,467	398,514,773	0.26%	27,090	2,761	29,851	29,452	1.4%
Town of Grand Valley	100.0%	396,850,584	396,850,584	0.26%	26,977	2,750	29,727	27,291	8.9%
Melancthon Twp	56.0%	481,524,449	269,653,692	0.18%	18,331	1,868	20,199	19,694	2.6%
Southgate Twp	6.0%	815,068,745	48,904,125	0.03%	3,324	339	3,663	3,620	1.2%
Haldimand County	41.0%	5,888,880,157	2,414,440,864	1.59%	164,129	16,728	180,857	183,117	-1.2%
Norfolk County	5.0%	8,186,035,325	409,301,766	0.27%	27,824	2,836	30,660	30,831	-0.6%
Halton Region	10.3%	36,402,339,213	3,765,423,823	2.48%	255,966	26,089	282,055	271,150	4.0%
Hamilton City	4.7%	77,135,348,277	3,625,361,369	2.39%	246,445	25,118	271,563	263,512	3.1%
Oxford County	37.7%	3,548,847,438	1,337,821,840	0.88%	90,943	9,269	100,212	99,302	0.9%
North Perth T	2.0%	1,770,295,097	35,405,902	0.02%	2,407	245	2,652	2,563	3.5%
Perth East Twp	40.0%	1,600,912,173	640,364,869	0.42%	43,531	4,437	47,968	45,952	4.4%
Waterloo Region	100.0%	86,368,658,180	86,368,658,180	56.99%	5,871,175	598,402	6,469,577	6,314,548	2.5%
Centre Wellington Twp	100.0%	4,246,127,695	4,246,127,695	2.80%	288,644	29,419	318,063	312,036	1.9%
Erin T	49.0%	2,223,001,923	1,089,270,942	0.72%	74,047	7,547	81,594	81,701	-0.1%
Guelph C	100.0%	22,830,352,868	22,830,352,868	15.06%	1,551,964	158,179	1,710,143	1,646,748	3.8%
Guelph Eramosa Twp	100.0%	2,374,434,372	2,374,434,372	1.57%	161,409	16,451	177,860	175,520	1.3%
Mapleton Twp	95.0%	1,408,733,893	1,338,297,198	0.88%	90,975	9,272	100,247	95,992	4.4%
Wellington North Twp	51.0%	1,432,770,017	730,712,708	0.48%	49,672	5,063	54,735	53,415	2.5%
Puslinch Twp	75.0%	2,216,998,019	1,662,748,514	1.10%	113,030	11,520	124,550	127,922	-2.6%
Total		278,433,335,385	151,548,854,151	100.00%	10,302,000	1,050,000	11,352,000	11,075,000	2.5%

2018 Draft Budget

Grand River Conservation Authority Summary of Municipal Levy - 2018 Budget

*DRAFT-
January 8th
2018*

	% CVA in Watershed	2017 CVA (Modified)	CVA in Watershed	CVA-Based Apportionment	2018 Budget Operating Levy	2018 Budget Capital Levy	2018 Budget Total Levy	Actual 2017 Levy	% Change
Brant County	84.0%	5,778,502,491	4,853,942,092	2.88%	296,667	30,237	326,904	354,137	-7.7%
Brantford C	100.0%	12,178,149,735	12,178,149,735	7.22%	744,313	75,862	820,175	897,489	-8.6%
Amaranth Twp	82.0%	651,361,270	534,116,241	0.32%	32,645	3,327	35,972	39,009	-7.8%
East Garafraxa Twp	80.0%	498,143,467	398,514,773	0.24%	24,357	2,482	26,839	29,452	-8.9%
Town of Grand Valley	100.0%	396,850,584	396,850,584	0.24%	24,255	2,472	26,727	27,291	-2.1%
Melancthon Twp	56.0%	481,524,449	269,653,692	0.16%	16,481	1,680	18,161	19,694	-7.8%
Southgate Twp	6.0%	815,068,745	48,904,125	0.03%	2,989	305	3,294	3,620	-9.0%
Haldimand County	41.0%	5,888,880,157	2,414,440,864	1.43%	147,568	15,040	162,608	183,117	-11.2%
Norfolk County	5.0%	8,186,035,325	409,301,766	0.24%	25,016	2,550	27,566	30,831	-10.6%
Halton Region	10.3%	36,402,339,213	3,765,423,823	2.23%	230,138	23,456	253,594	271,150	-6.5%
Hamilton City	26.8%	77,135,348,277	20,633,705,664	12.24%	1,261,106	128,534	1,389,640	263,512	427.4%
Oxford County	37.7%	3,548,847,438	1,337,821,840	0.79%	81,766	8,334	90,100	99,302	-9.3%
North Perth T	2.0%	1,770,295,097	35,405,902	0.02%	2,164	221	2,385	2,563	-6.9%
Perth East Twp	40.0%	1,600,912,173	640,364,869	0.38%	39,138	3,989	43,127	45,952	-6.1%
Waterloo Region	100.0%	86,368,658,180	86,368,658,180	51.24%	5,278,740	538,019	5,816,759	6,314,548	-7.9%
Centre Wellington Twp	100.0%	4,246,127,695	4,246,127,695	2.52%	259,518	26,451	285,969	312,036	-8.4%
Erin T	49.0%	2,223,001,923	1,089,270,942	0.65%	66,575	6,785	73,360	81,701	-10.2%
Guelph C	100.0%	22,830,352,868	22,830,352,868	13.54%	1,395,362	142,218	1,537,580	1,646,748	-6.6%
Guelph Eramosa Twp	100.0%	2,374,434,372	2,374,434,372	1.41%	145,122	14,791	159,913	175,520	-8.9%
Mapleton Twp	95.0%	1,408,733,893	1,338,297,198	0.79%	81,795	8,337	90,132	95,992	-6.1%
Wellington North Twp	51.0%	1,432,770,017	730,712,708	0.43%	44,660	4,552	49,212	53,415	-7.9%
Puslinch Twp	75.0%	2,216,998,019	1,662,748,514	0.99%	101,625	10,358	111,983	127,922	-12.5%
Total		278,433,335,387	168,557,198,449	100.00%	10,302,000	1,050,000	11,352,000	11,075,000	2.5%

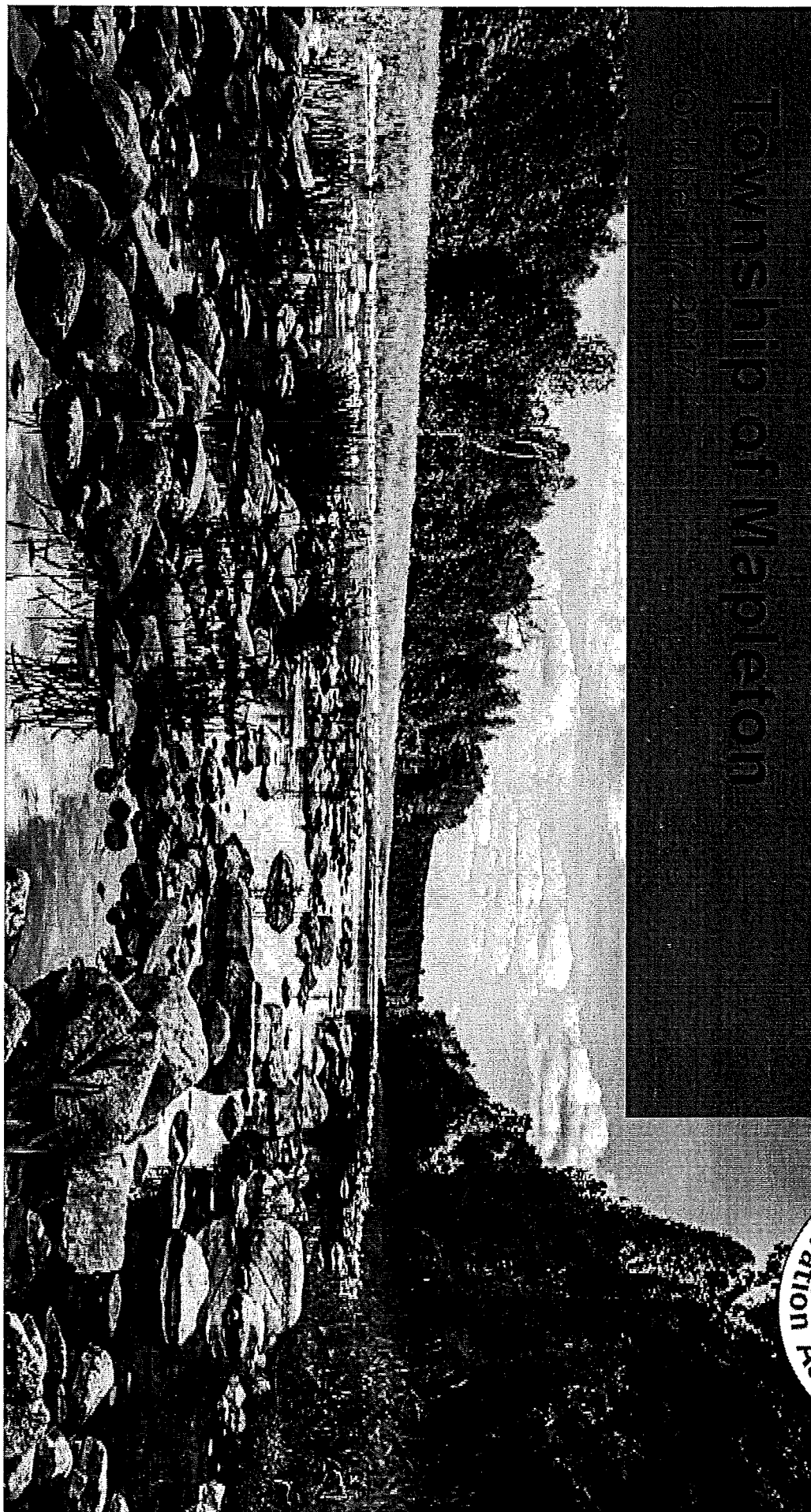
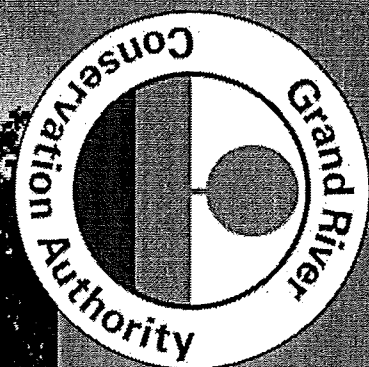
Questions?



2018 Draft Budget

Township of Mapleton

October 17, 2017



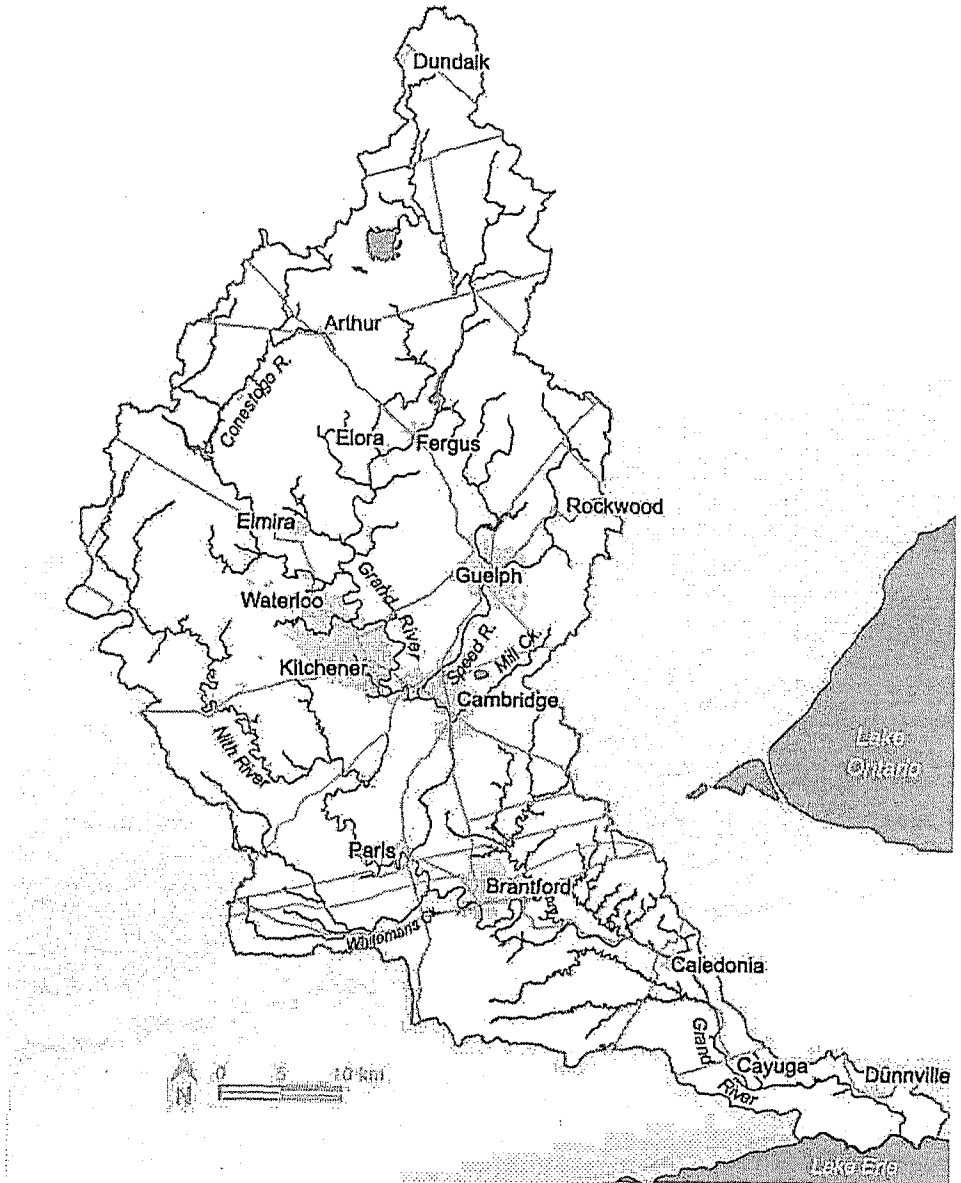
Across the Grand River Watershed

Length

300 km

Area

6,800 km²
larger than Prince
Edward Island



Flows into

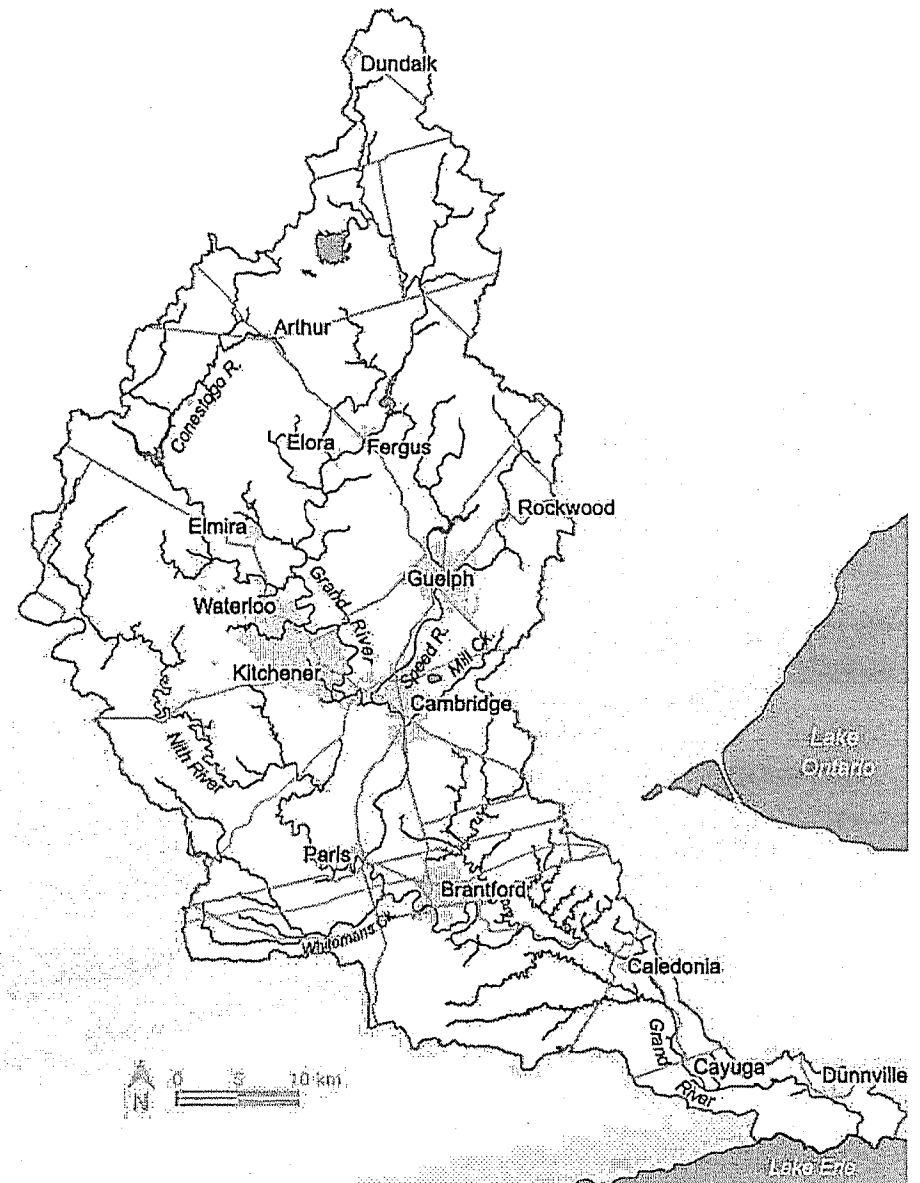
Lake Erie at Port Maitland

**Length of rivers
and streams**

11,000 km

**4 major
tributaries**

**Speed, Eramosa,
Nith and Conestogo**



About the Grand River Watershed

Population

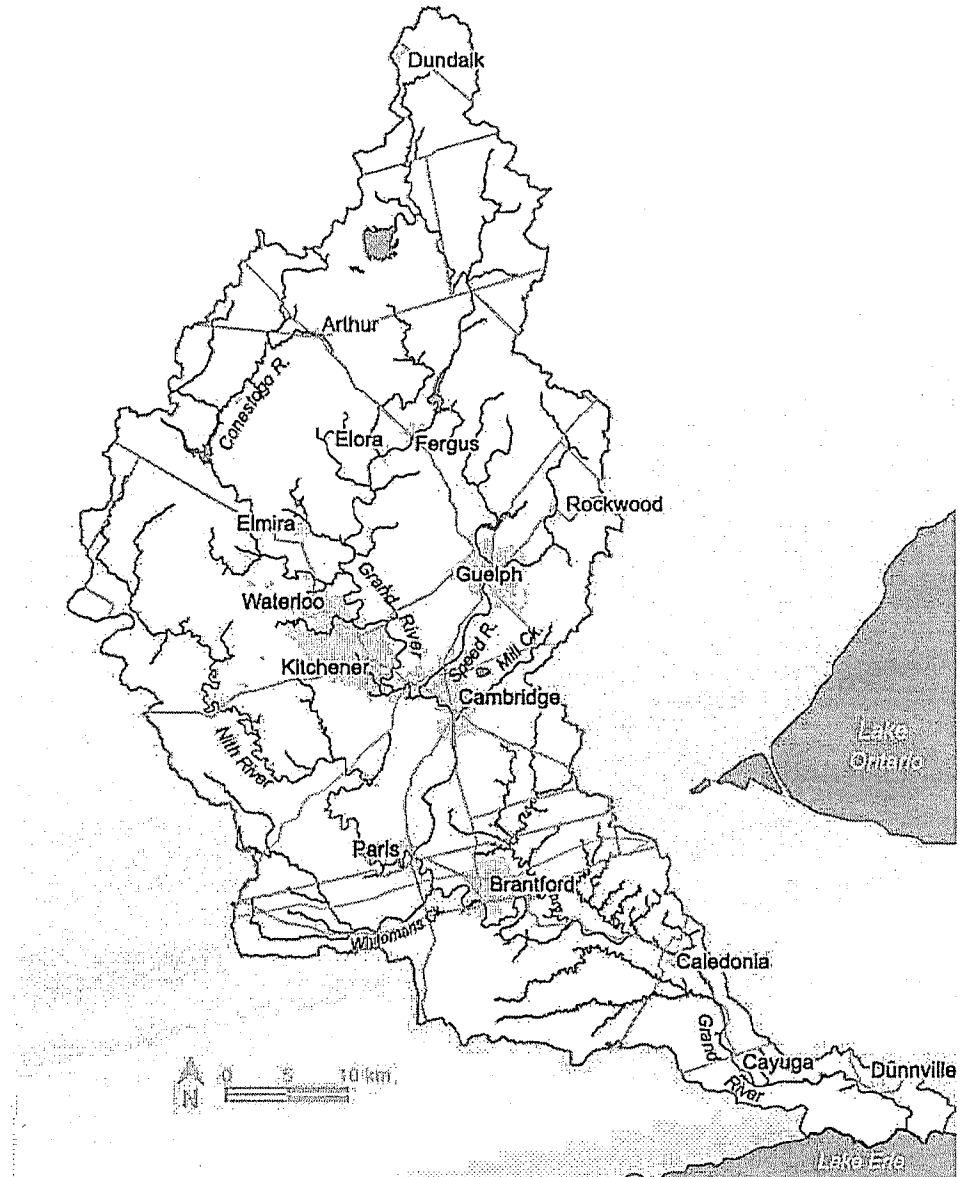
Close to one million

Boundaries

39 municipalities and two First Nations

80% of people live in five cities:

Kitchener, Waterloo, Guelph, Cambridge, Brantford



Watershed of the Grand River

Farming

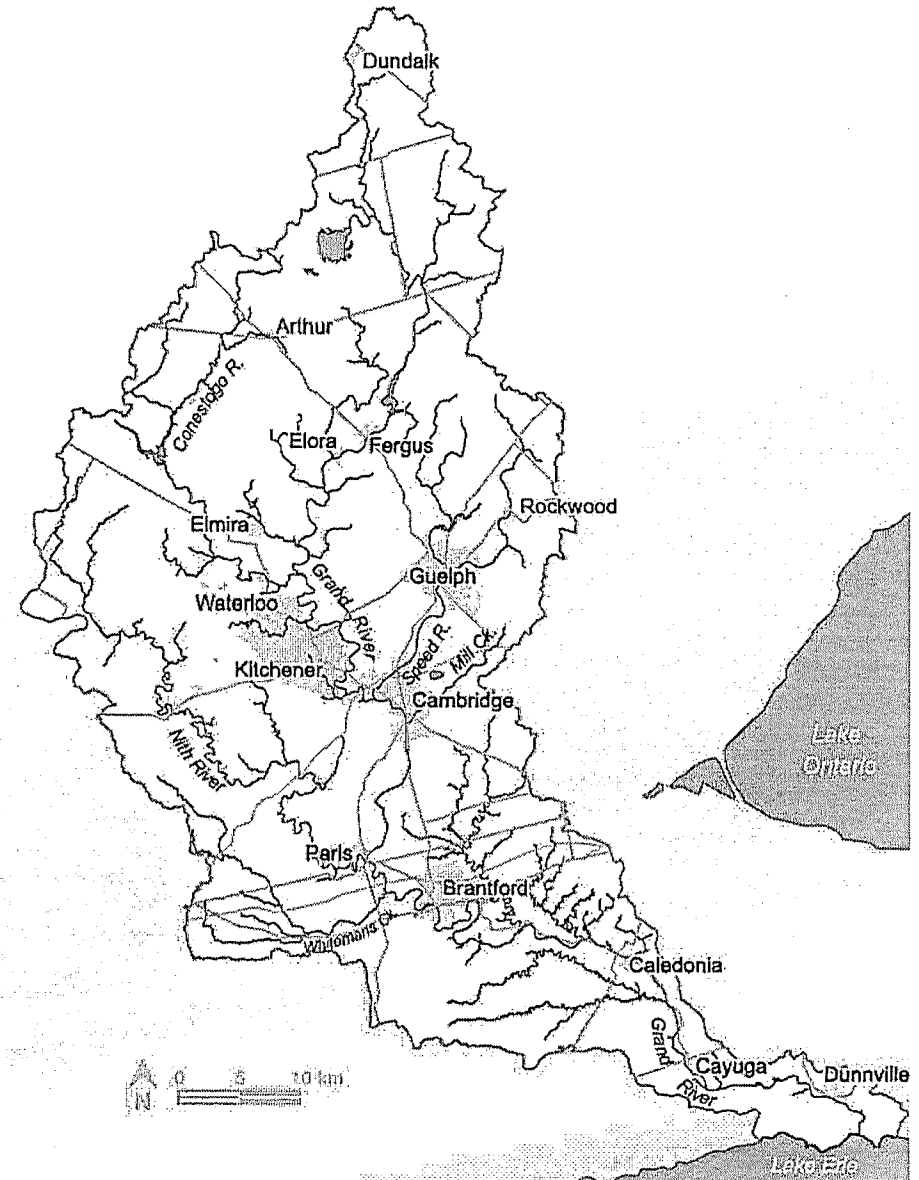
70% of watershed is agricultural land

Drinking water

73% wells
24 % river
3 % lake

Wastewater

30 sewage treatment plants



About the Grand River Watershed

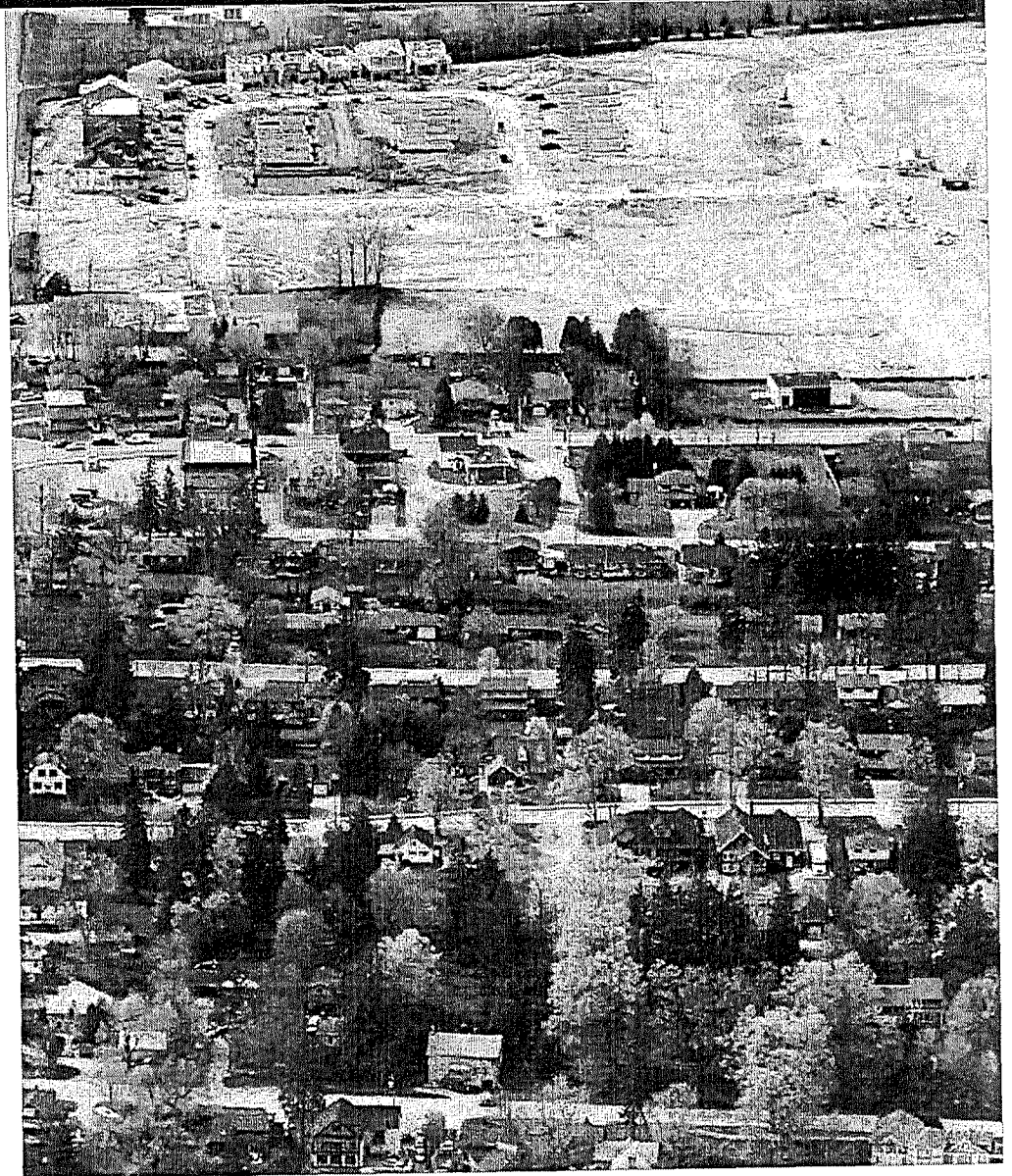
- The Grand River lies at the heart of one of the richest, fastest growing regions in Ontario.
- The vitality of the watershed has been linked to the river and the natural environment.
- The Grand River watershed faces important and evolving challenges...



Critical Issues

Population Growth

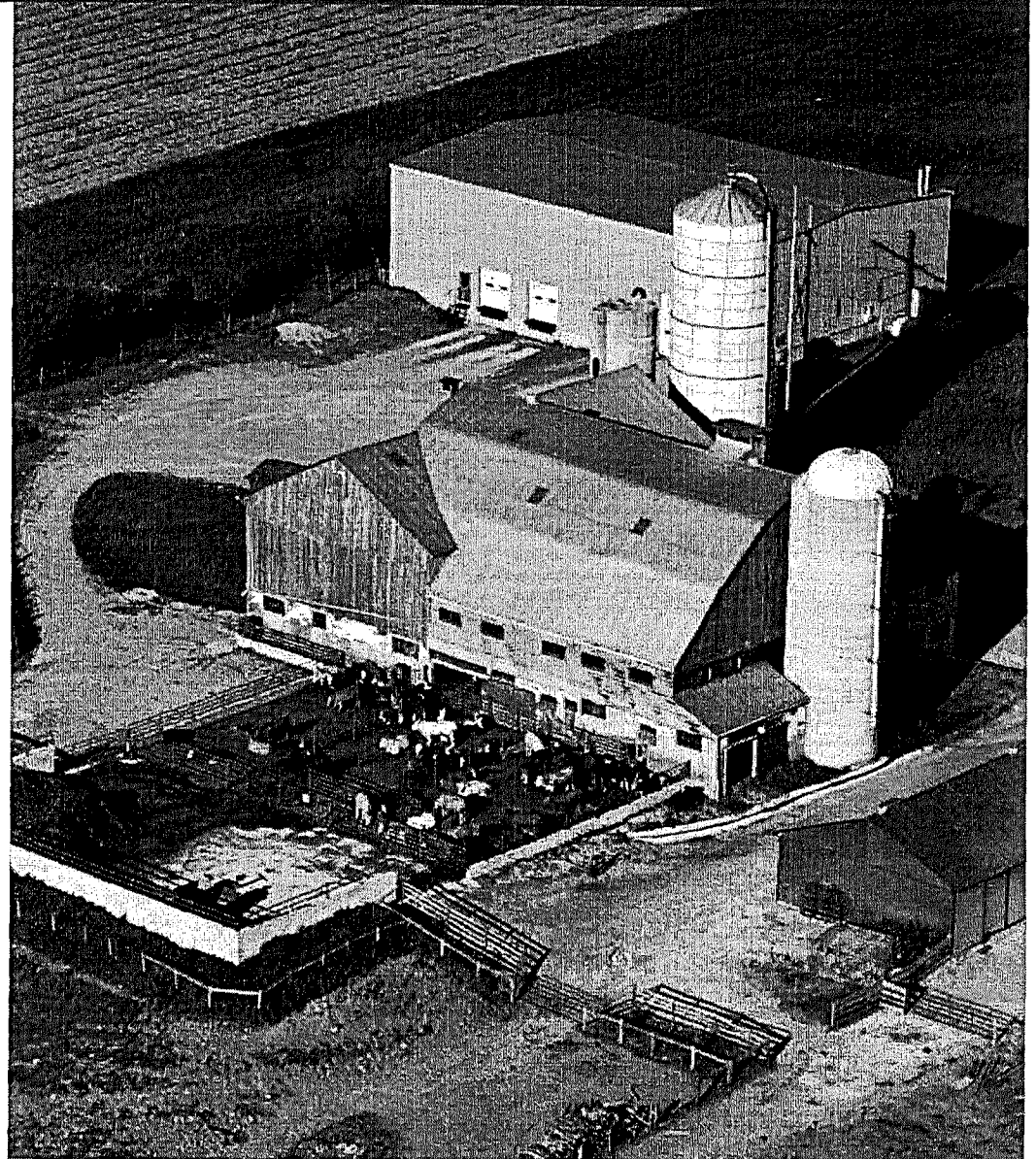
- Need for water supplies, sewage treatment, groundwater recharge



Critical Issues

Extensive Agriculture

- impact on water quality and quantity
- erosion needs to be addressed to protect farmland and water quality



Climate Change

- the issue of our time – presents new challenges including increased frequency of extreme events (floods, droughts, ice storms, etc.)



SRCA Strategic Plan

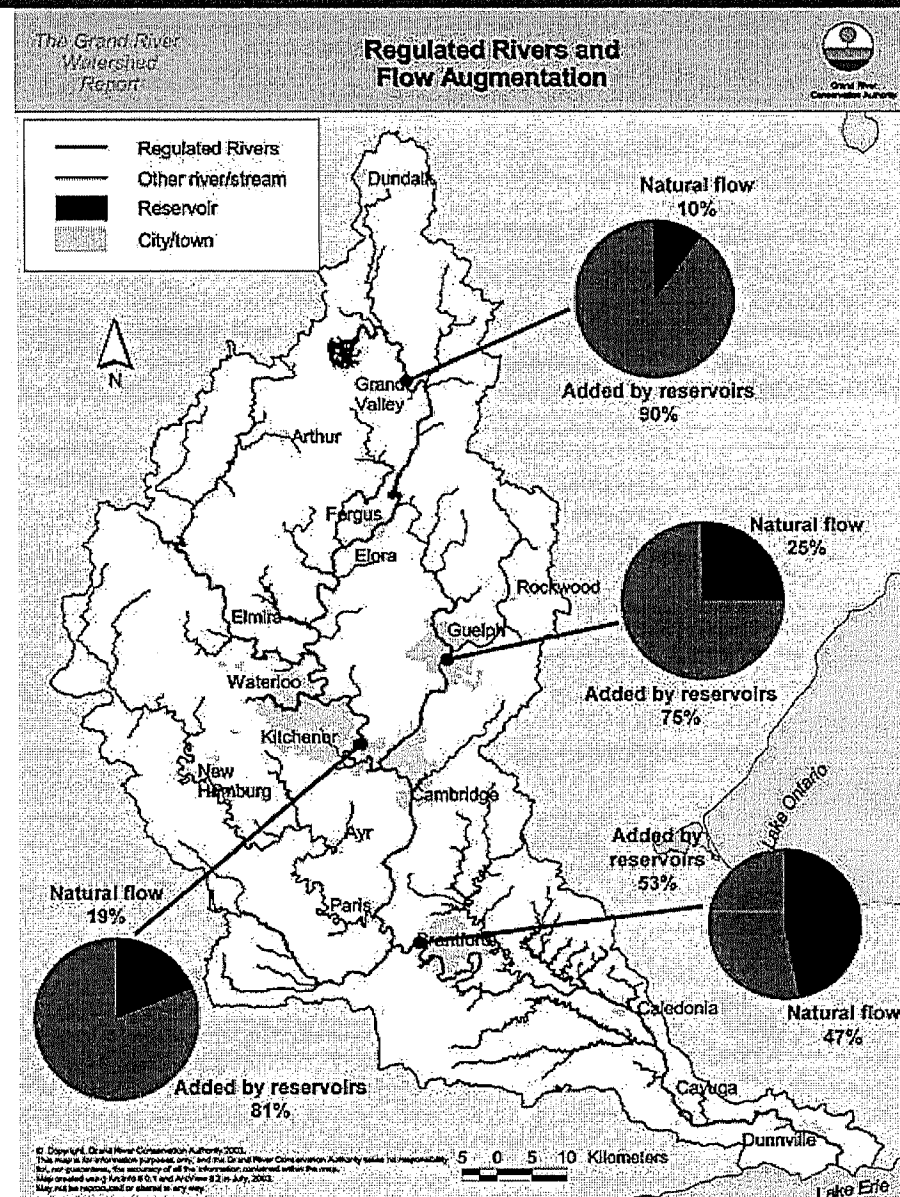
Objectives:

1. Protect life and minimize property damage
2. Improve watershed health
3. Connect people with the environment



Protect life and minimize property damage

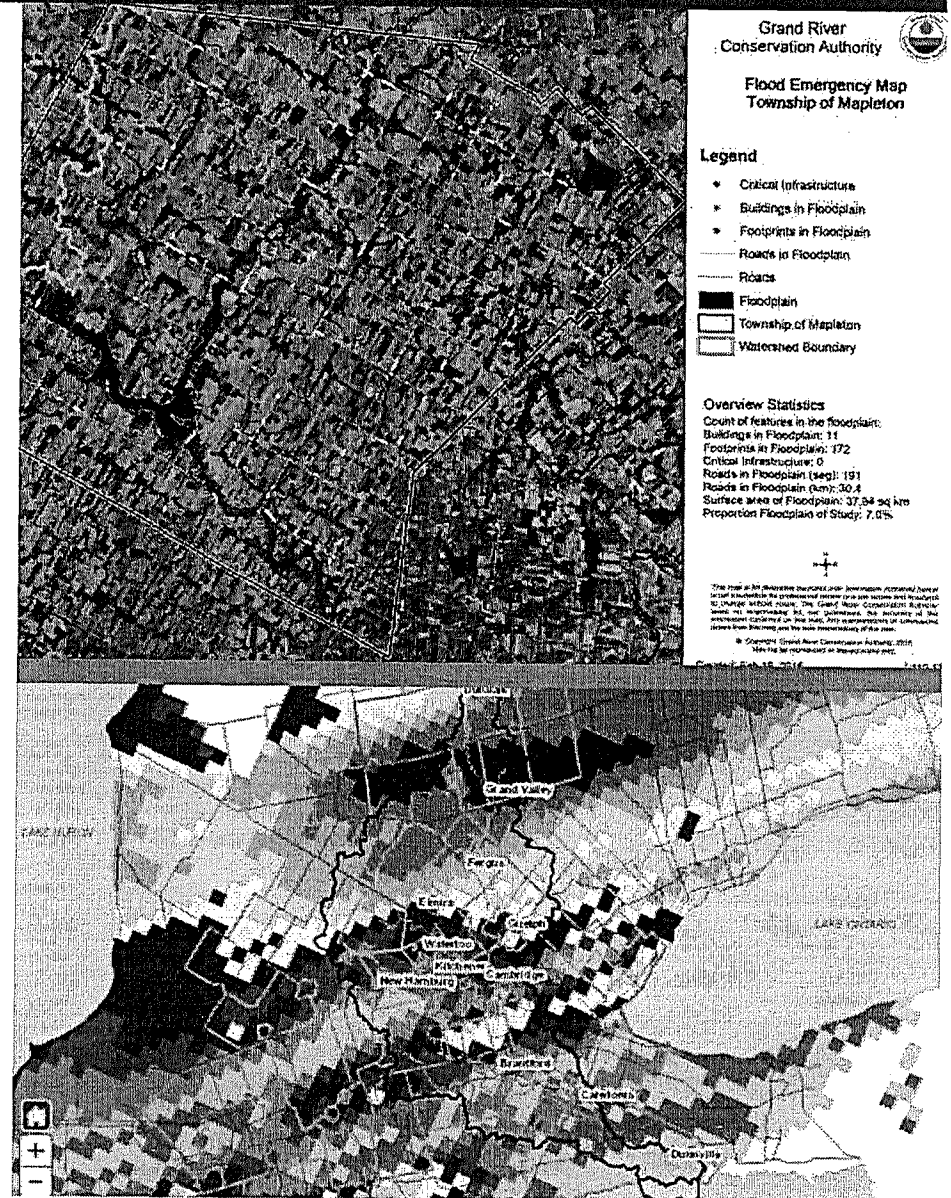
- Seven dams reservoirs actively managed to reduce flood damages and maintain flows



Understanding and Responding

Protect life and minimize property damage

- Working with senior levels of government to find innovative ways to improve floodplain mapping
- Improved flood forecasting and warning



Understanding and Responding

Protect life and minimize property damage

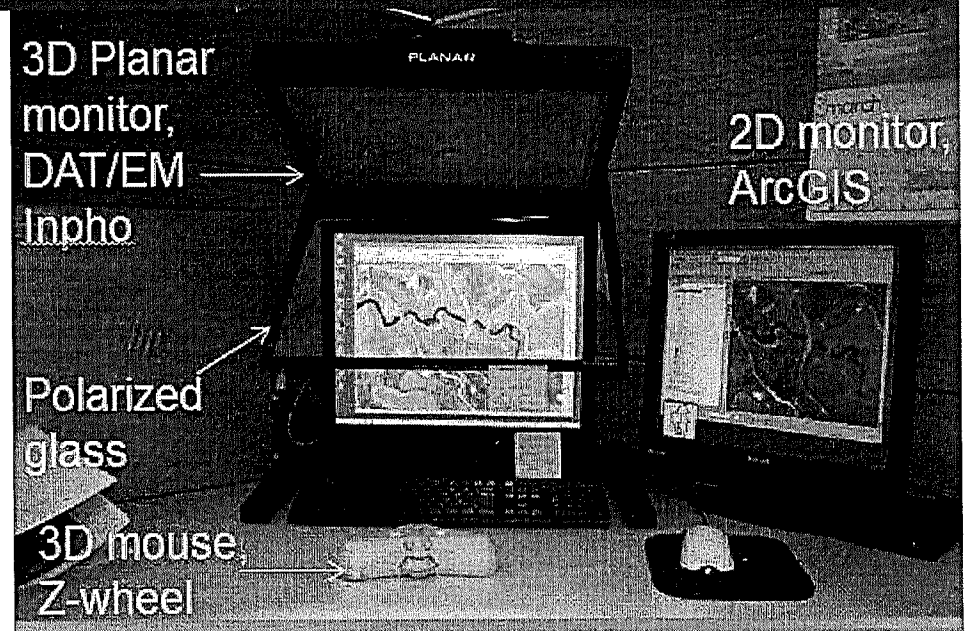
- Deliver value and innovation
- Ability to regulate hazard areas and prevent building in wetlands

3D Planar monitor, DAT/EM Inpho

Polarized glass

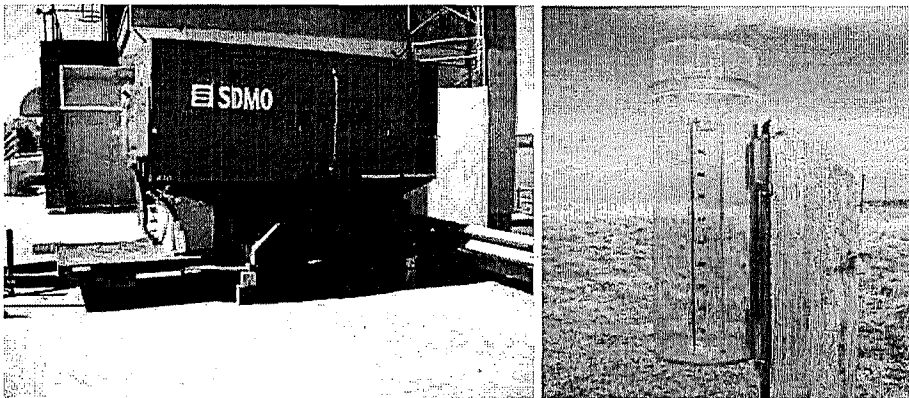
3D mouse, Z-wheel

2D monitor, ArcGIS

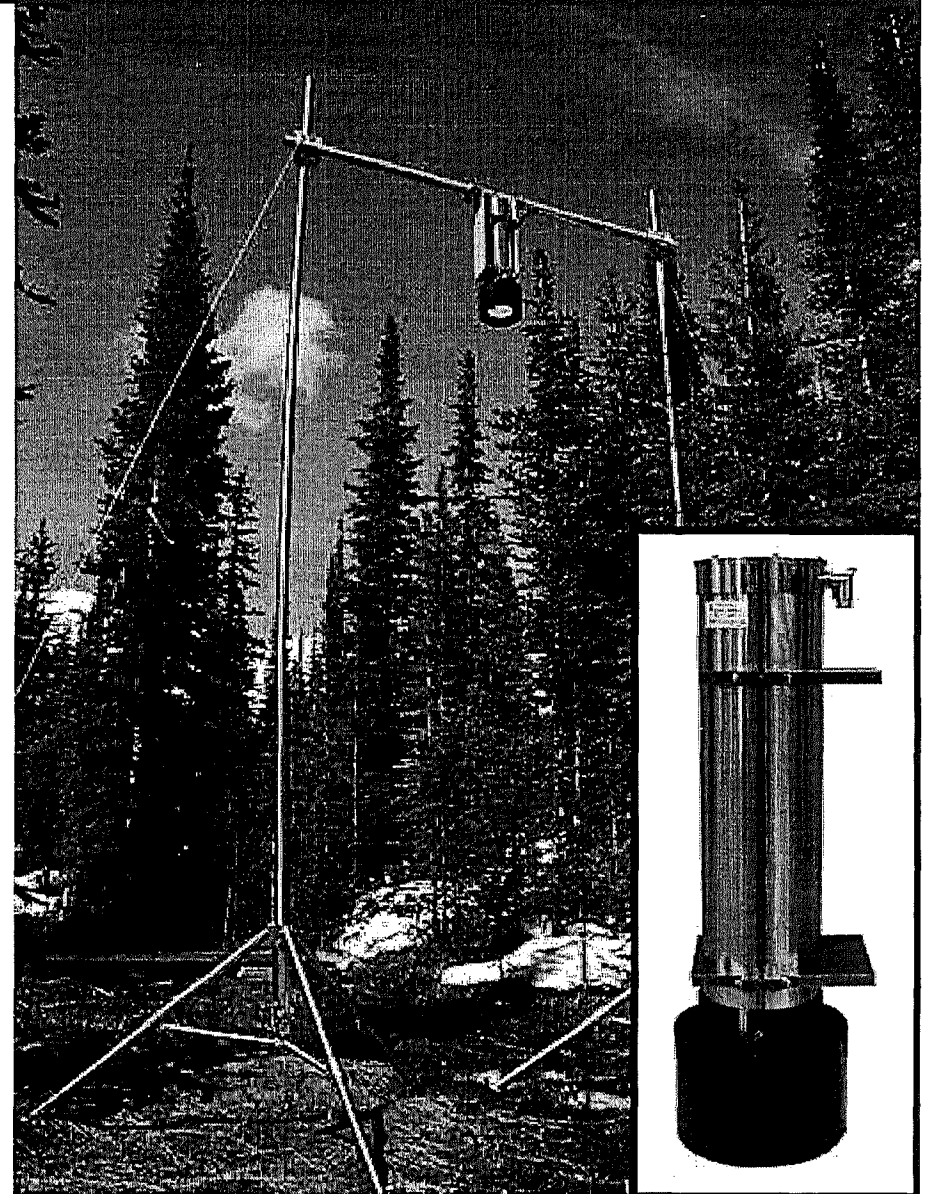


Understanding and Responding

Protect life and minimize property damage



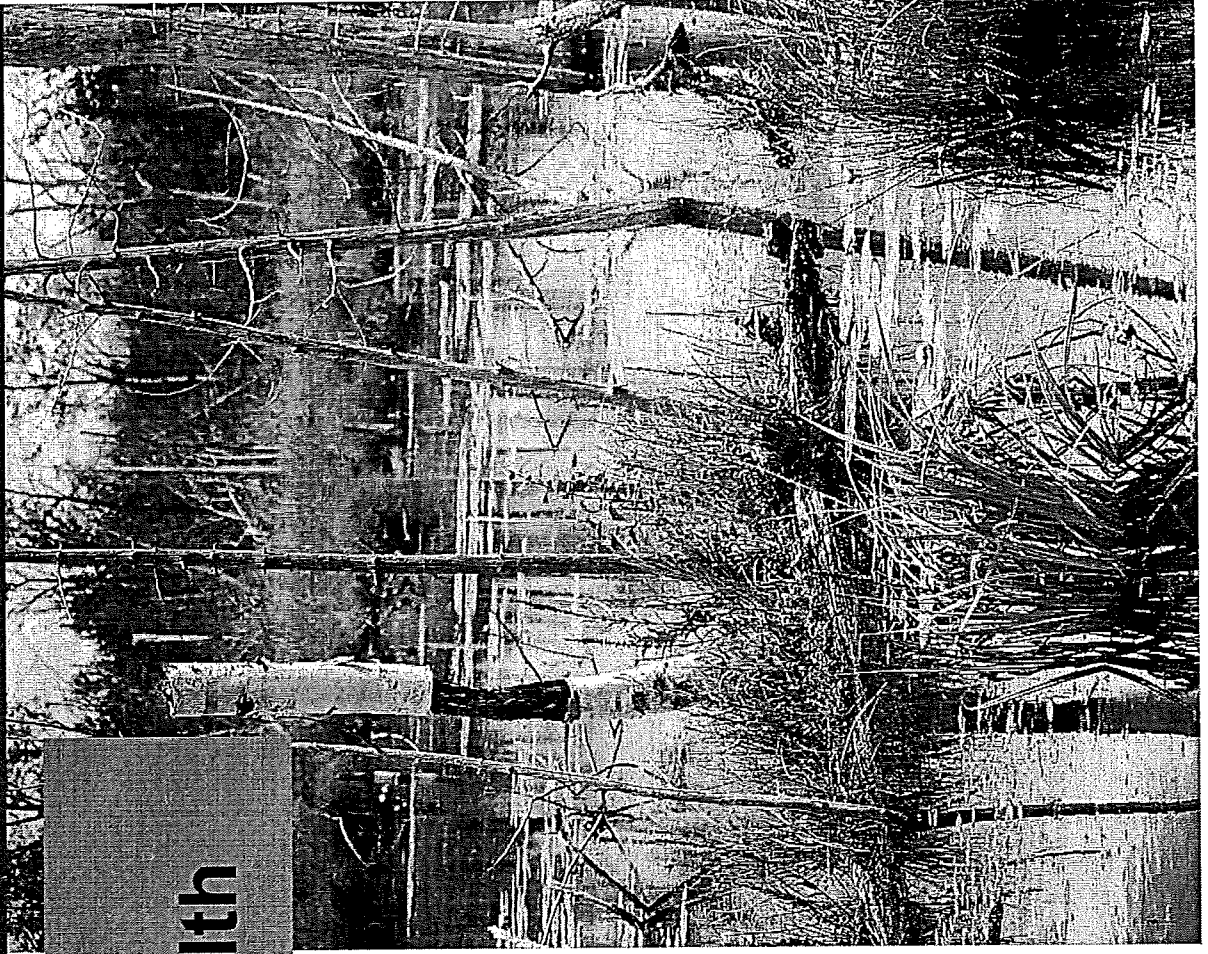
- Improved monitoring and preparedness
- Adapting to climate change



Protect life/ property & Improve watershed health

Planning and Development

- GRCA assists member municipalities in the development of official plans and zoning by-laws
- GRCA provides technical advice on Planning Act applications, including input from biologists, water resource engineers and resource planners

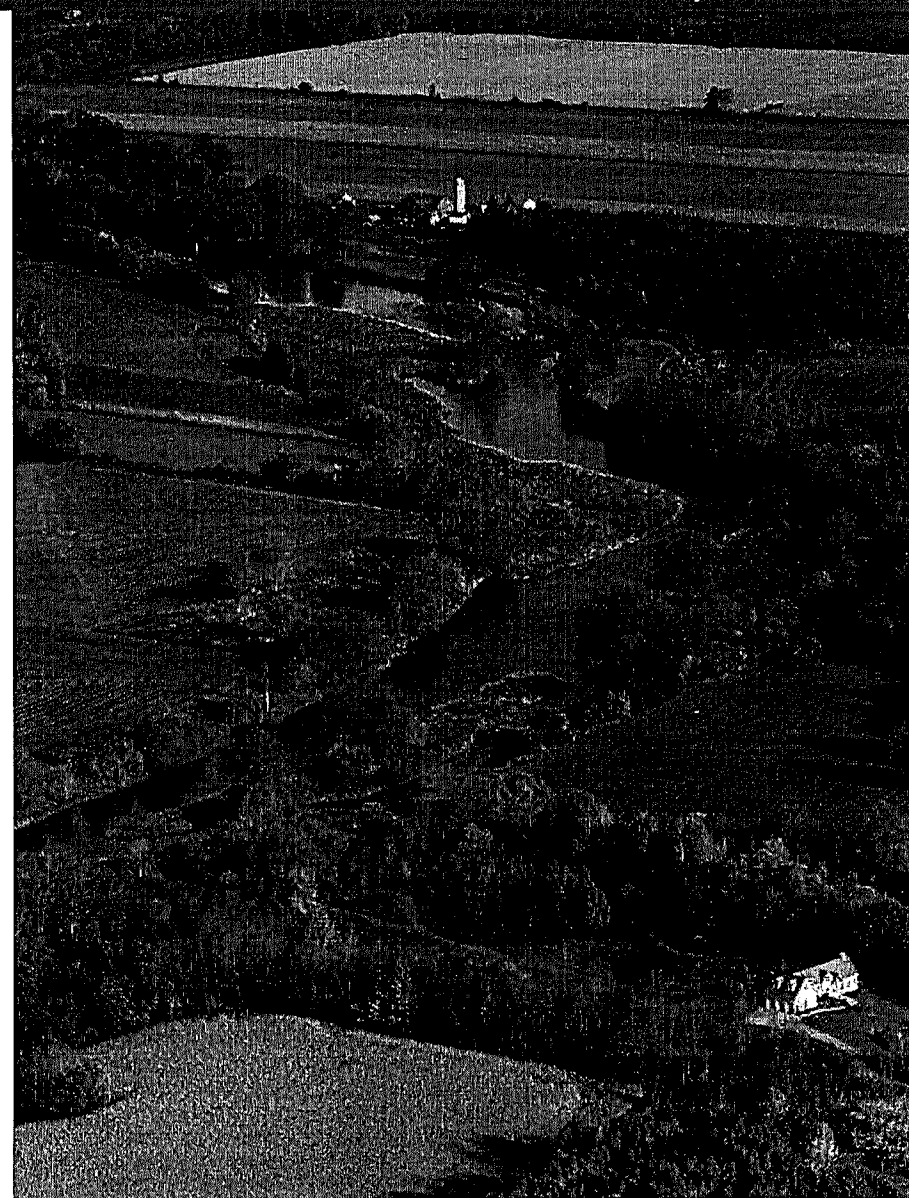


Understanding and Responding

Improve watershed health

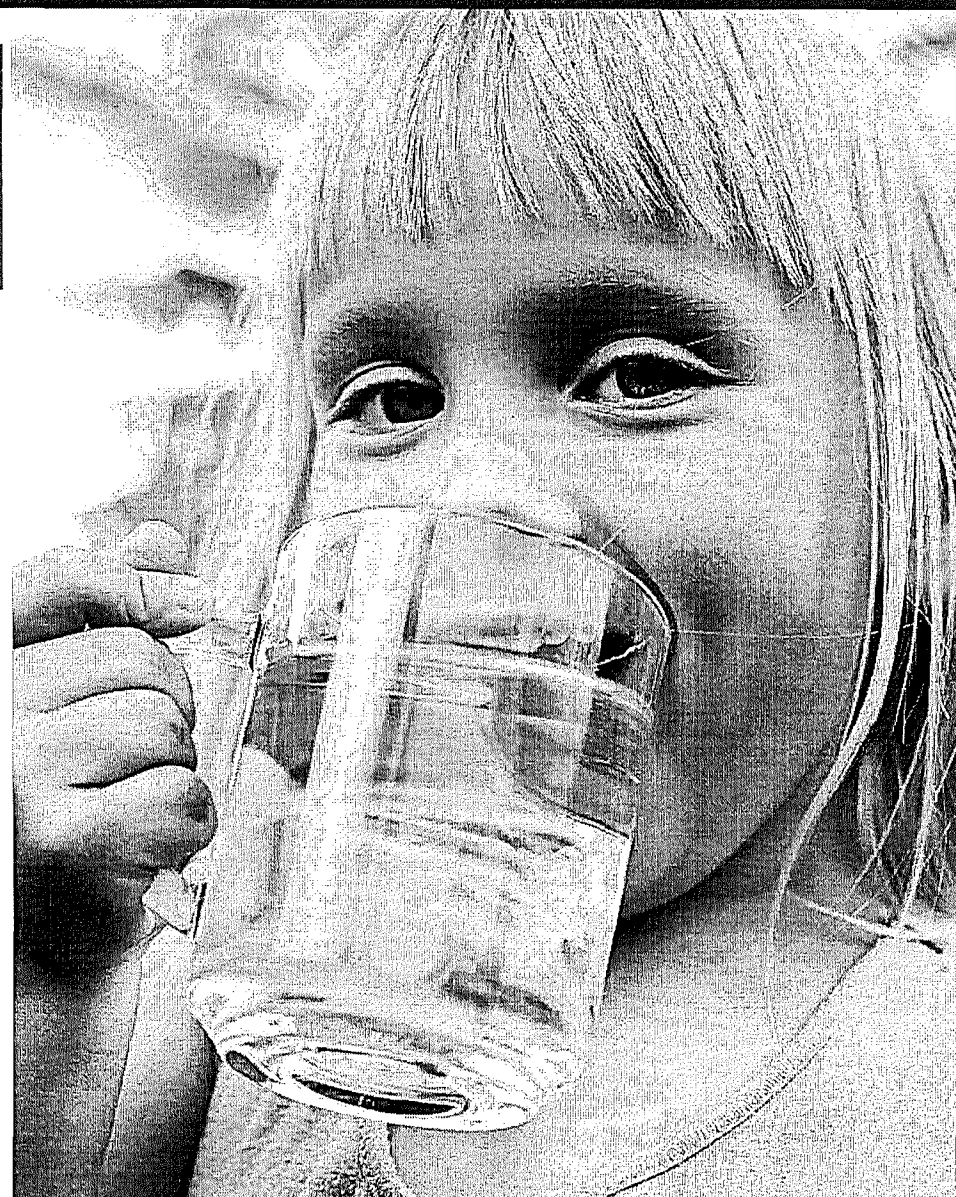
Natural Heritage Framework Initiative

- Subwatershed characterization for Conestogo River to be completed in winter 2017/2018
- 5 subwatershed reports completed to characterize Southern Grand between 2015 and March 2017



Improve watershed health

- Grand River Source Protection Plan took effect July 1, 2016
- Province funded 100% of Plan's development

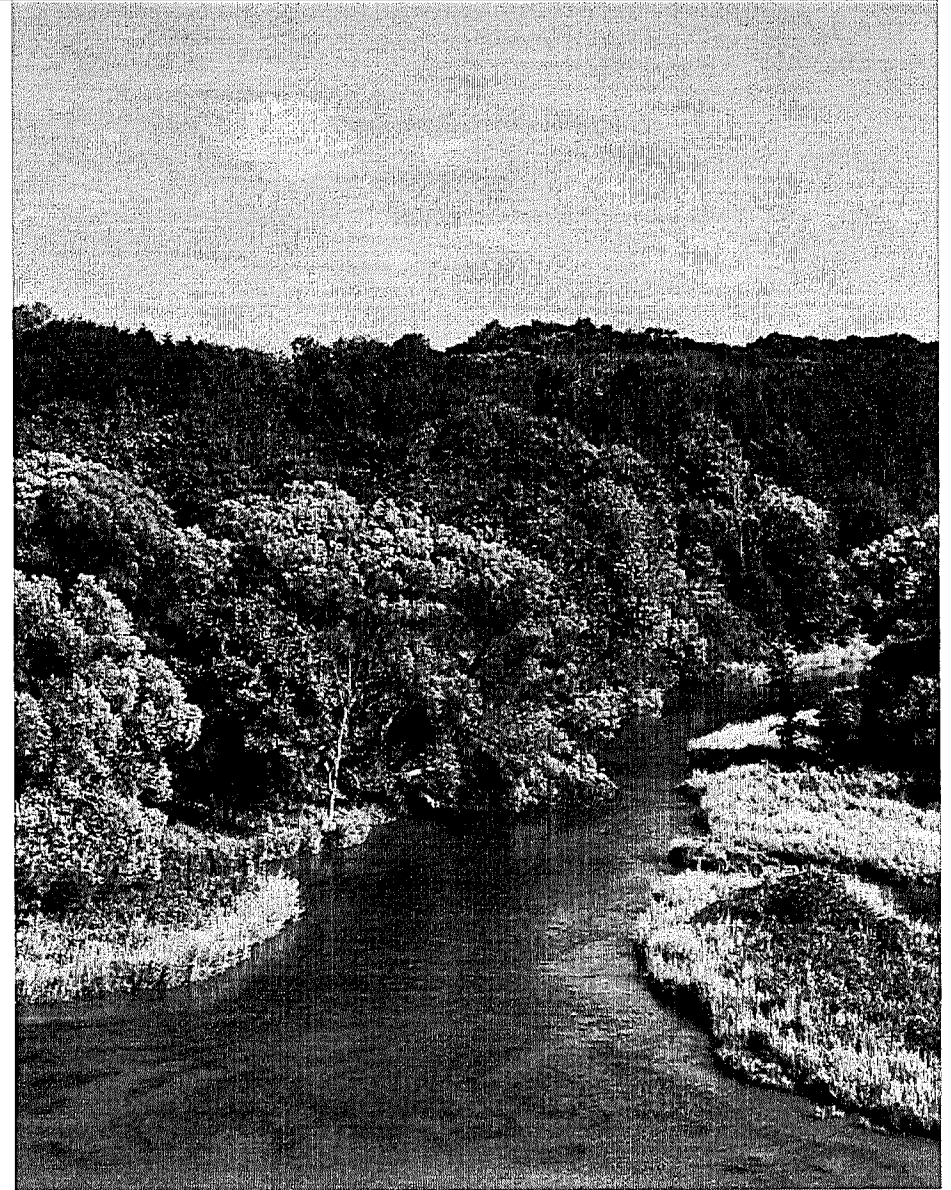


Understanding and Responding

Improve watershed health

The Water Management Plan builds resiliency to address challenges related to climate change, population growth and agriculture.

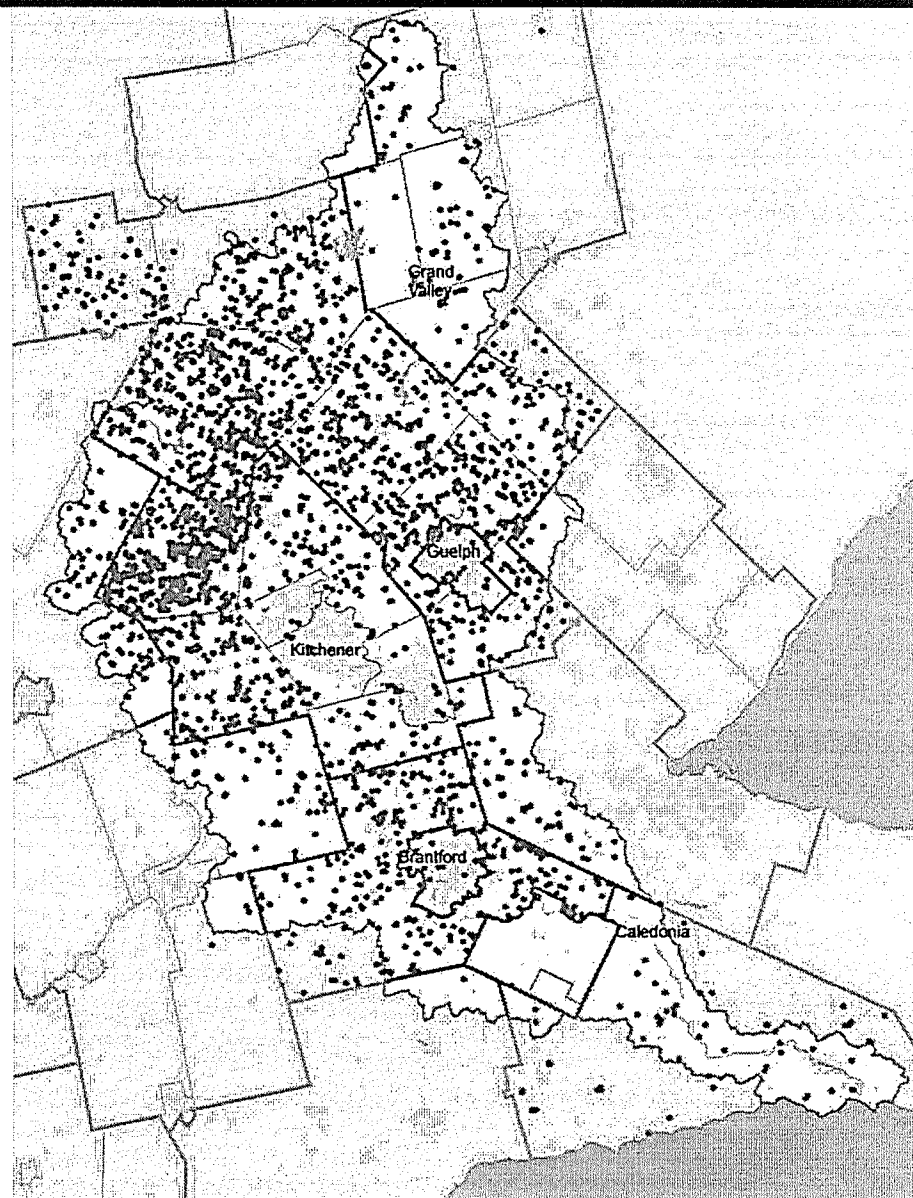
The Wastewater Optimization Program builds upon the successful optimization work in municipalities like Guelph.



Improve watershed health

Rural Water Quality Program Watershed Success 1998-2016:

- Over 5,500 projects
- \$16 million in grant
- More than \$45 million invested

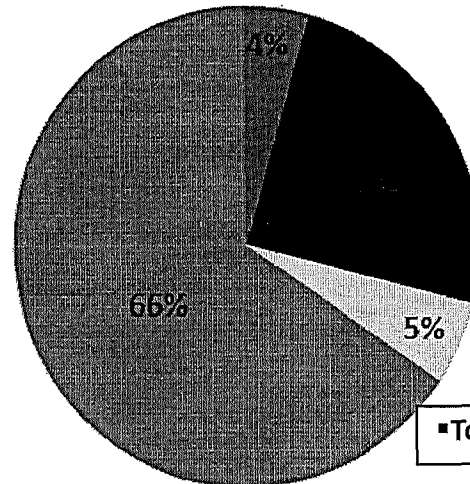
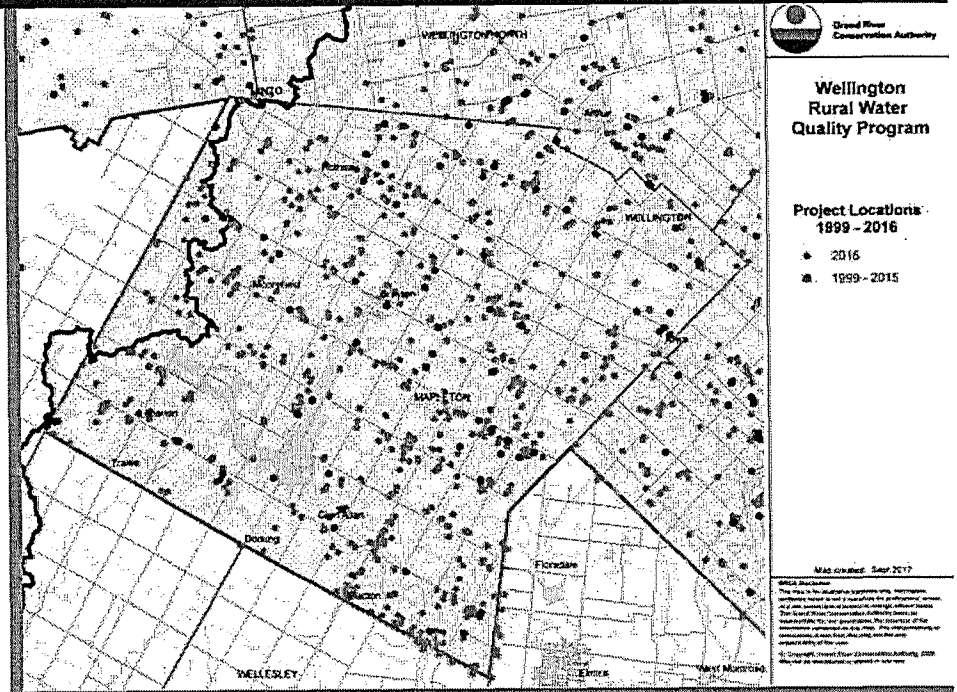


Understanding and Responding

Improve watershed health

Wellington Rural Water Quality Program (RWQP)

- 2,700 projects completed
- \$7 million in grant provided
- \$20 million invested



Project Investments 1999 - 2016

- City of Guelph
- Wellington County
- Other Grants
- Landowner Contribution

■ Total Investment = \$20,484,000



Understanding and Responding

Improve watershed health

Trees for Mapleton Program

- GRCA forestry staff worked with 14 landowners to plant 11,000 trees in Mapleton Township in 2017

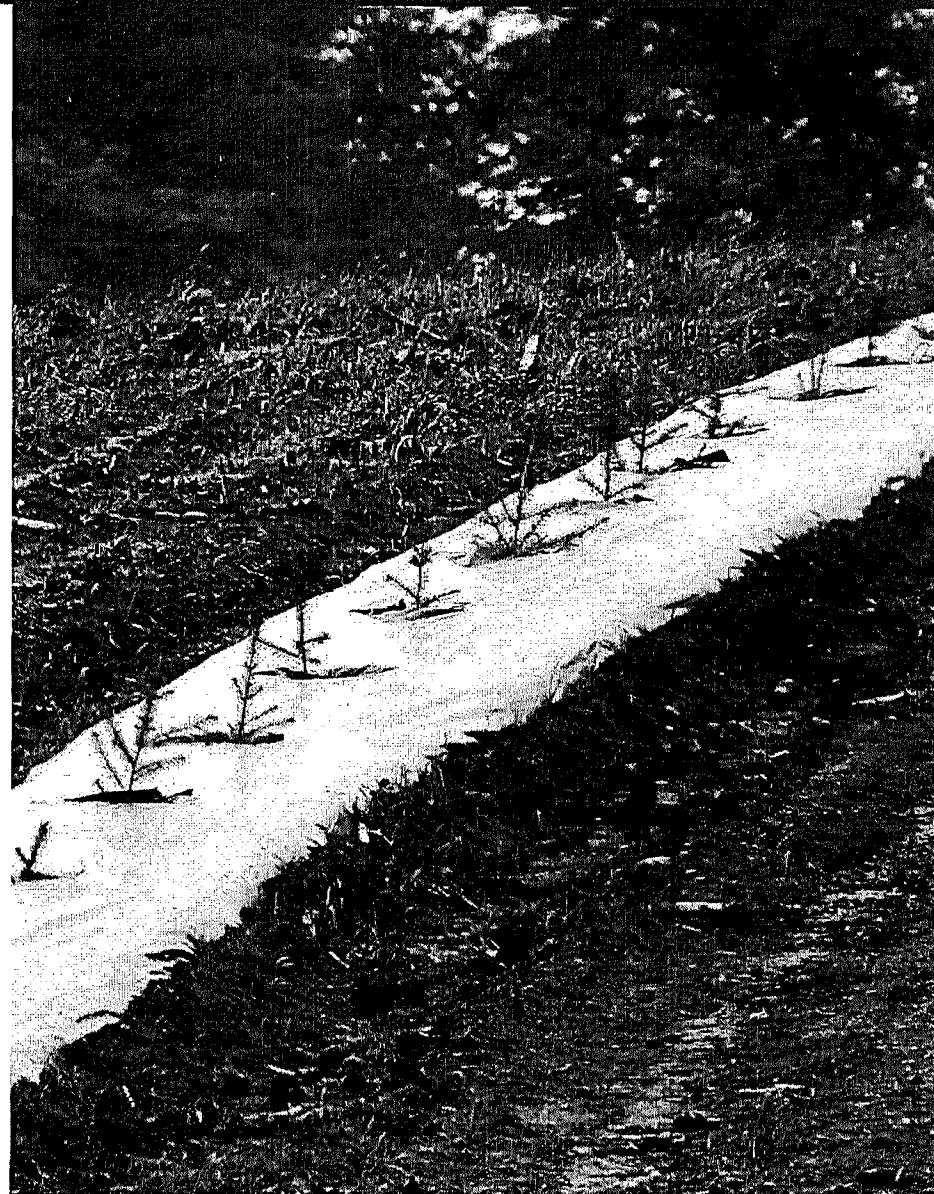


Understanding and Responding

Improve watershed health

Wellington RWQP Tree Planting – Mapleton Statistics (since 1998)

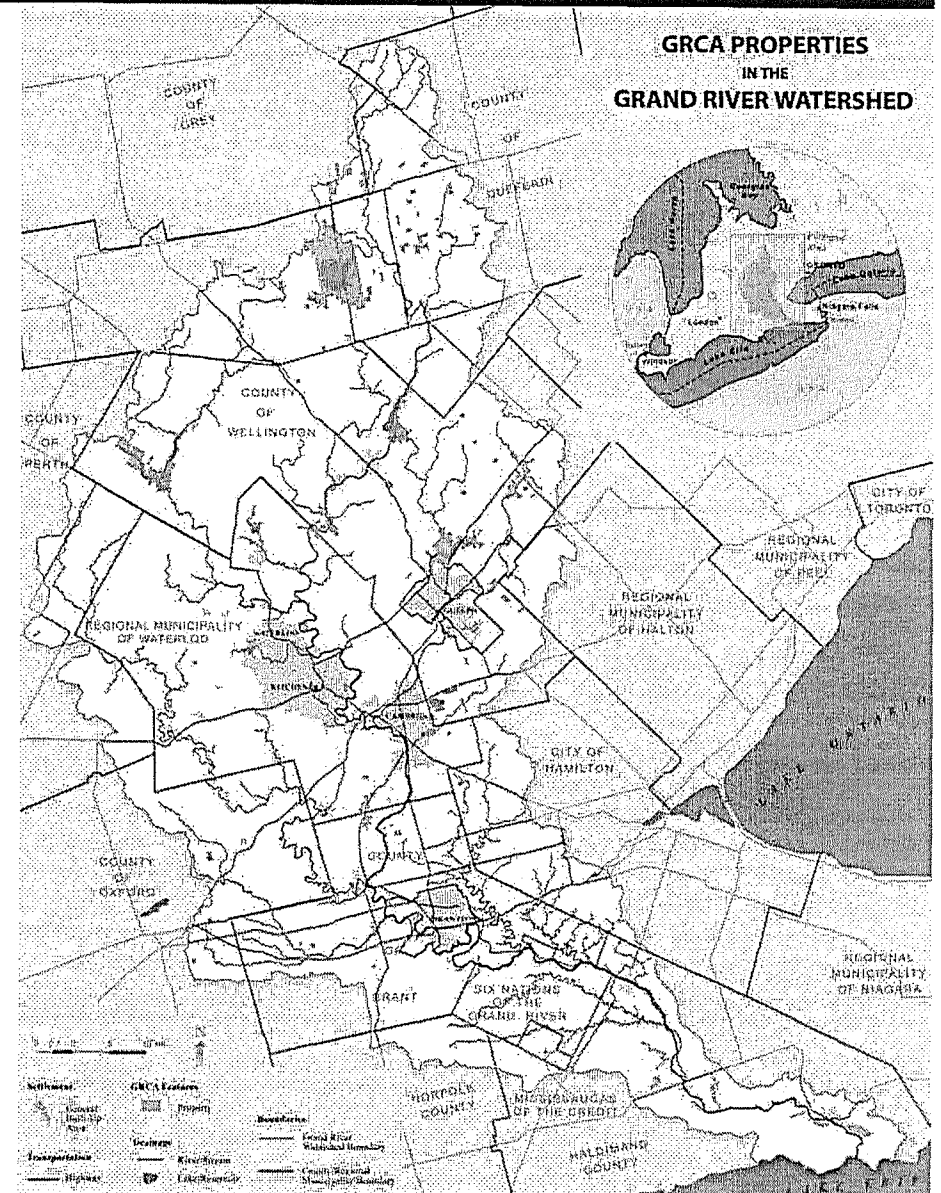
- 27 km of riparian buffer established
- 310 acres of marginal land retired and planted to trees
- 113 km of windbreaks planted



Understanding and Responding

Connect people with the environment

- More than 48,000 acres of recreational and natural land
- Includes 11 parks, Luther Marsh Wildlife Management Area, 6 nature centres, as well as cottage lots, farm leases and rail trails
- Current initiatives: wind-down of residential rental program, evaluation of other program areas, as well as hazard tree management



Understanding and Responding

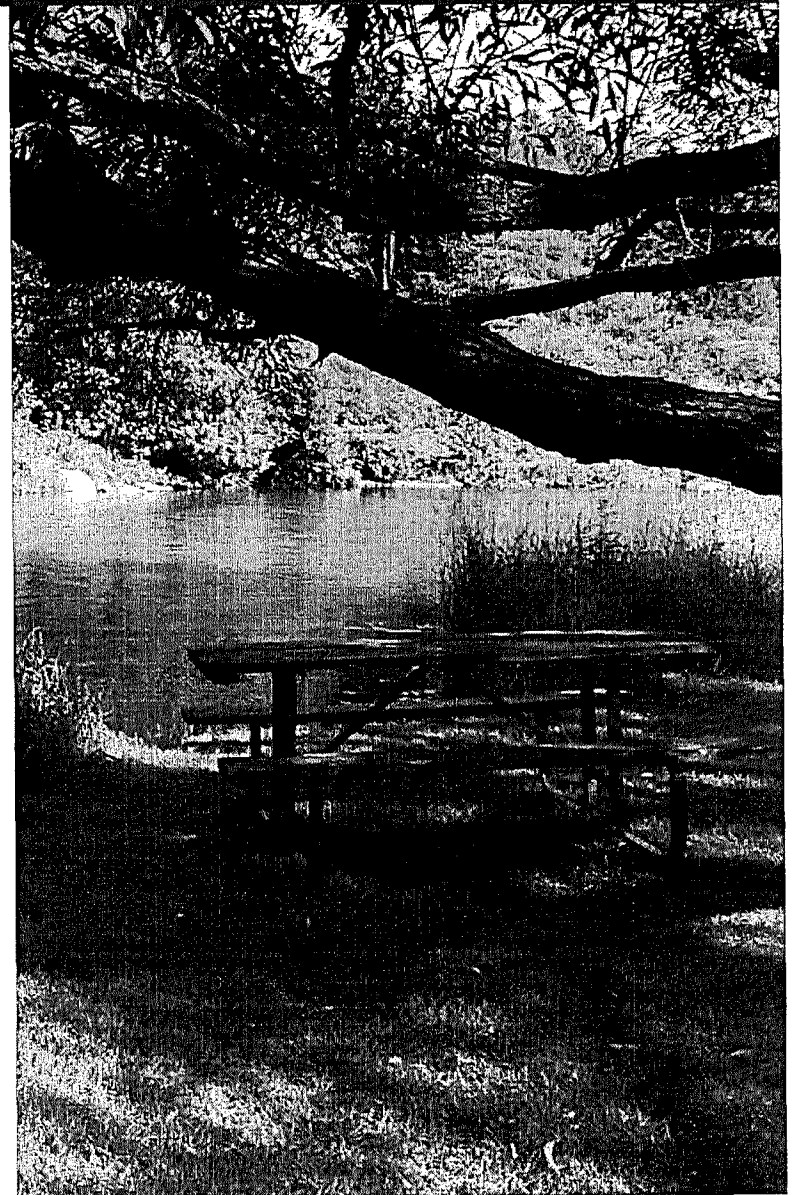
Connect people with the environment

GRCA Parks/Conservation Areas

- Weather dependent
- Revenue forecasts are prone to significant fluctuations
- 2015, 2016 and 2017 have been good years for revenue

Natural Areas

- Increasing management and cost pressures due to population growth and changing demographics

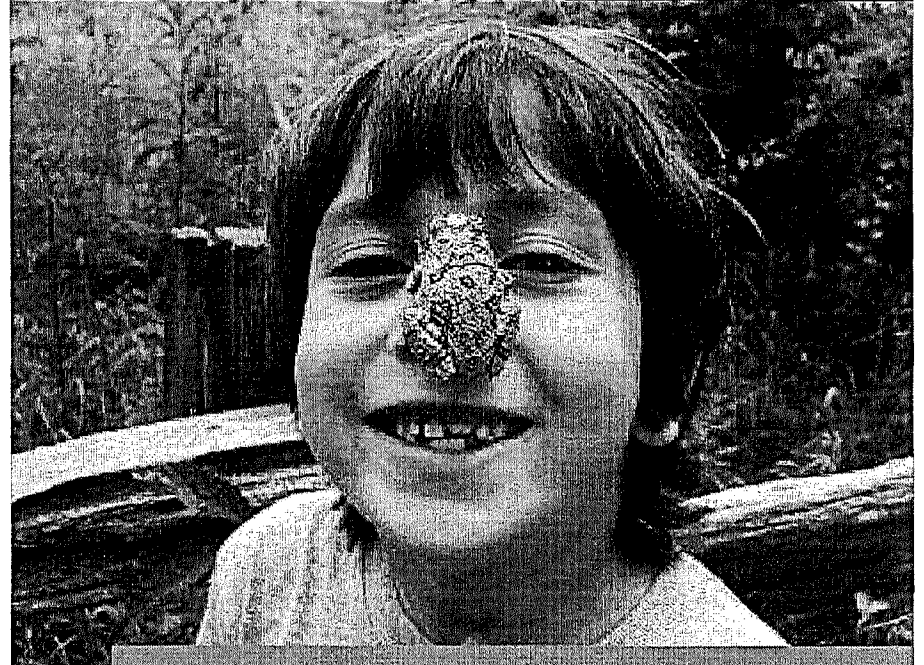


Understanding and Responding

Some thoughts on Nature ...

If we teach them, they will understand it. If they understand it, they will value it. If they value it, they will protect it.

The Future needs: Biologists, Engineers, Resource Managers, Planners, Accountants, Educators, Economists. We must all communicate, collaborate and cooperate.



**Connect people
with the
environment**

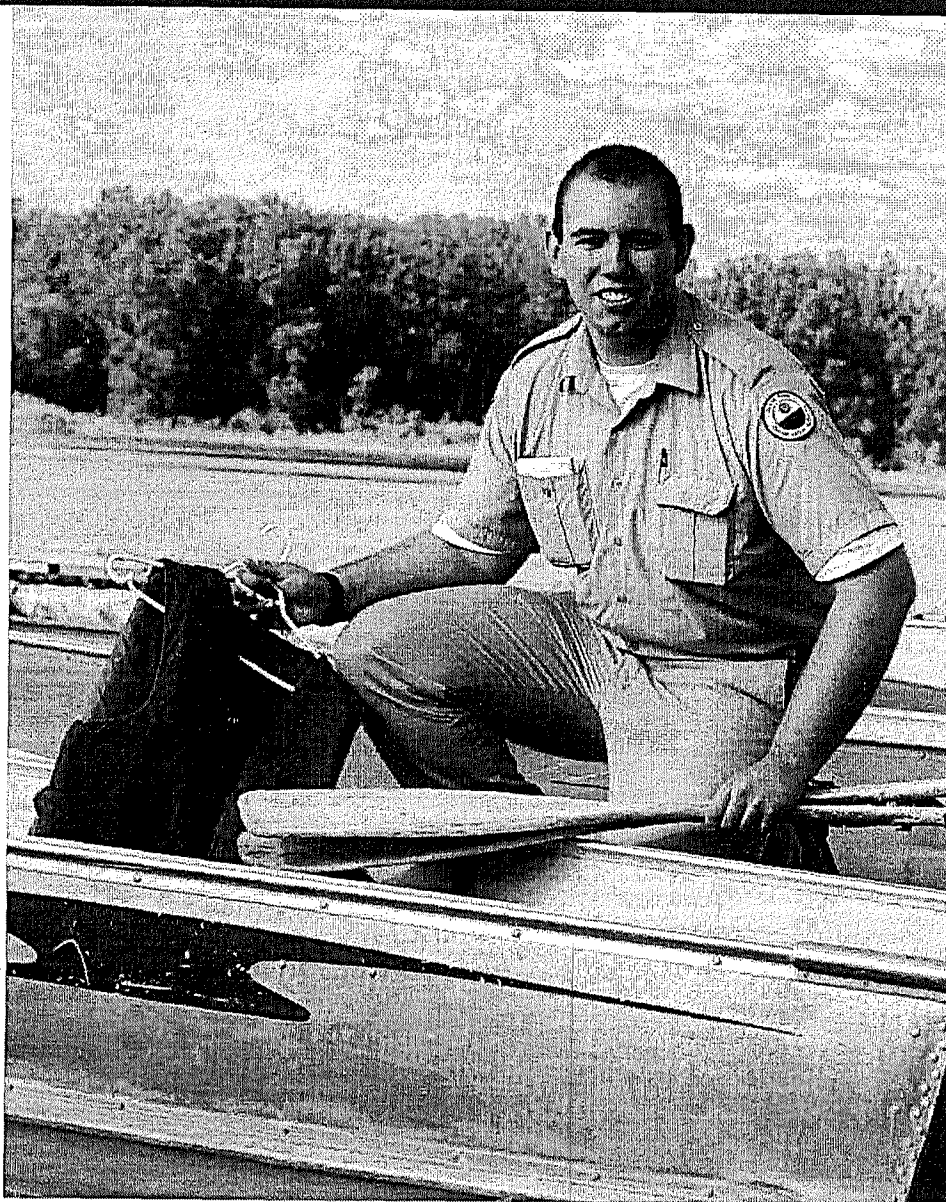
Timetable

September 22, 2017	→ Draft #1 to General Meeting
January 24, 2018	→ Municipalities advised of Meeting Date for Budget
January 26, 2018	→ Draft #2 to General Meeting
February 23, 2018	→ Board Approval, 2018 Budget & Levy (AGM)

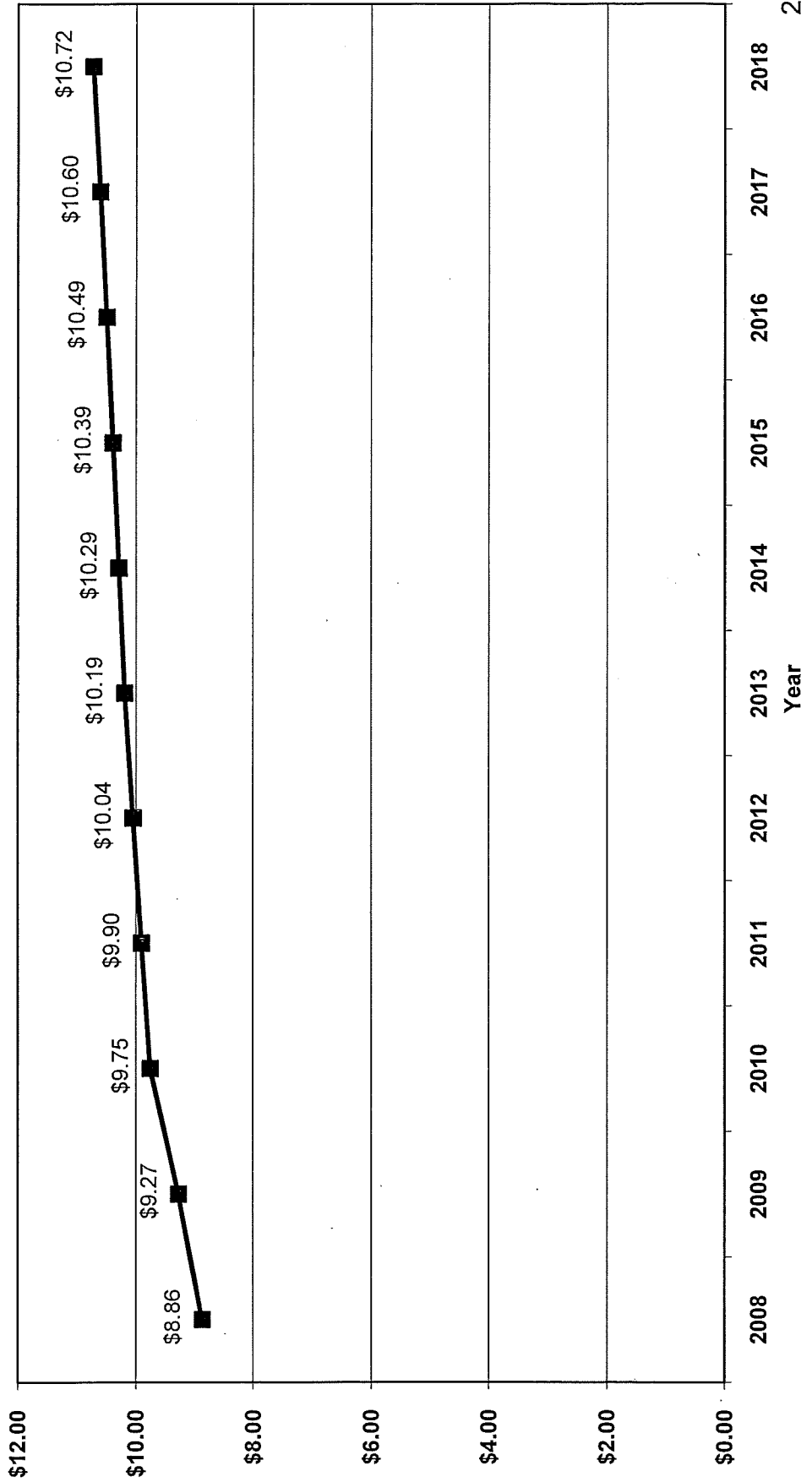
(Presentations to municipal councils between October 2017 and February 2018 as required)

Overview

- **2018 expenditures: \$32.0 million** (\$31 million in 2017)
- **Municipal dollars highly leveraged** (\$1 in municipal levy matched by \$2 from other sources)
- **Per capita municipal levy: \$10.72**



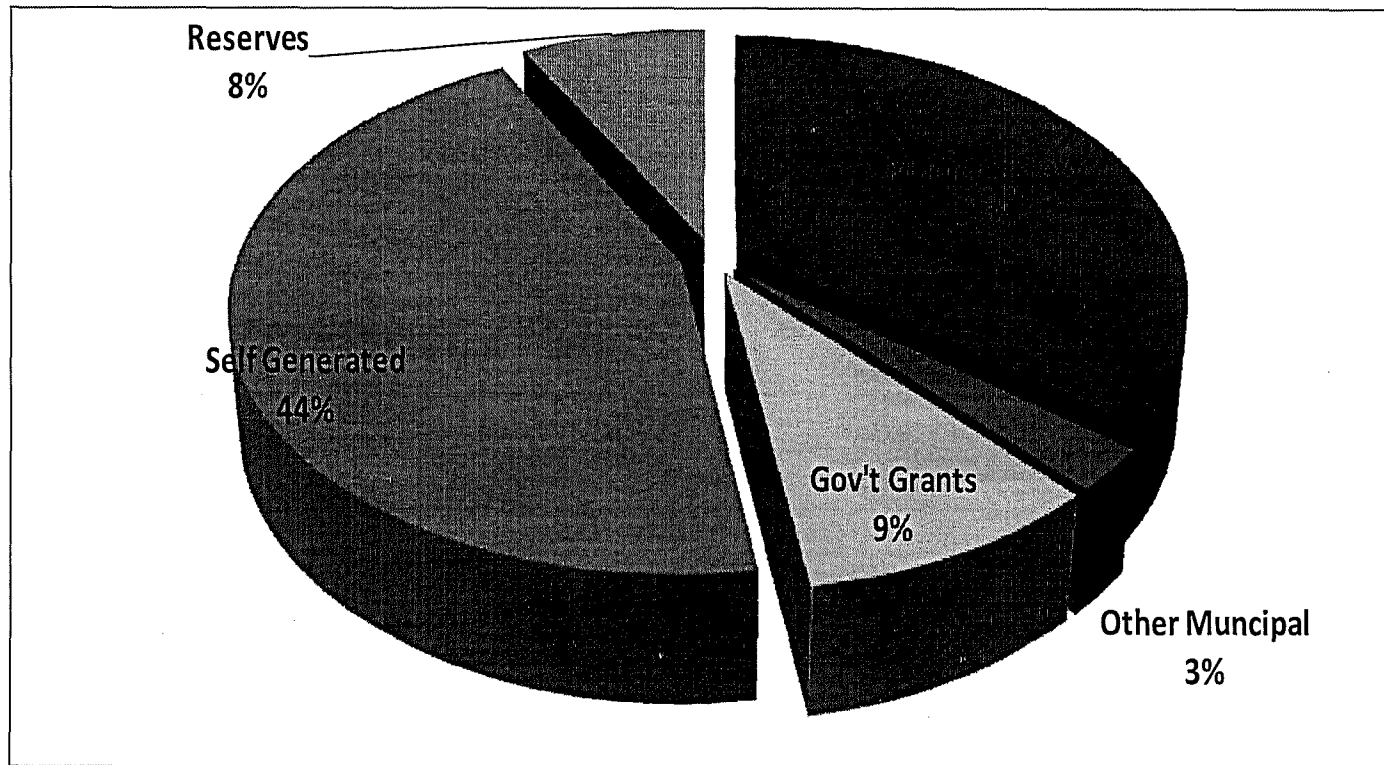
GRCA Per Capita Levy 2008 to 2018



2018 Draft Budget

Revenue by Source

Total 2018 Budget Revenue = \$32.0 Million
(\$ 31.0 Million in 2017)



Revenue

General Municipal Levy

- Increasing by 2.5% to \$11,352,000 in 2018
- Operating Levy increasing 2.8% or \$277,000
- Capital Levy held constant at \$1,050,000



2018 Draft Budget

Revenue

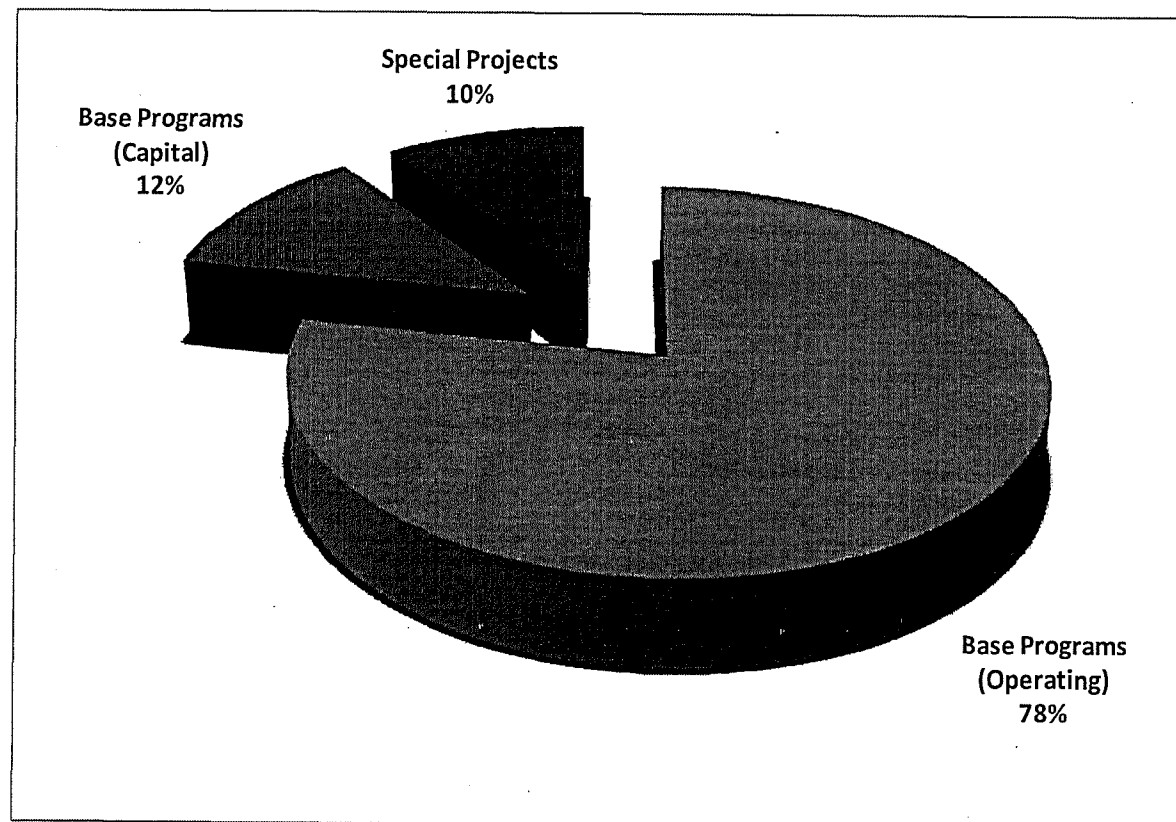
Special Projects

- Expenses are offset 100% by special funding sources
- Do not use general municipal levy to fund these projects



Expenditures by Category

2018 Budget Expenditures = \$32.0 Million
(\$ 31.0 million in 2017)



2018 Draft Budget

Expenditures

Operating Budget (\$24.9 million)

- Watershed Management (dams, flood forecasting, planning, lands)
- Conservation Areas
- Corporate Services and Communication





Expenditures

Capital Budget (\$3.8 million)

- Water Control Structures
- Conservation Areas



2018 Draft Budget

Expenditures

Special Projects (\$3.2 million)

- Floodplain Mapping
- Parkhill Hydro Turbine
- Children's Water Festivals
- Water Management Plan
- Mill Creek Rangers
- Source Protection Program
- Emerald Ash Borer
- Rural Water Quality Program

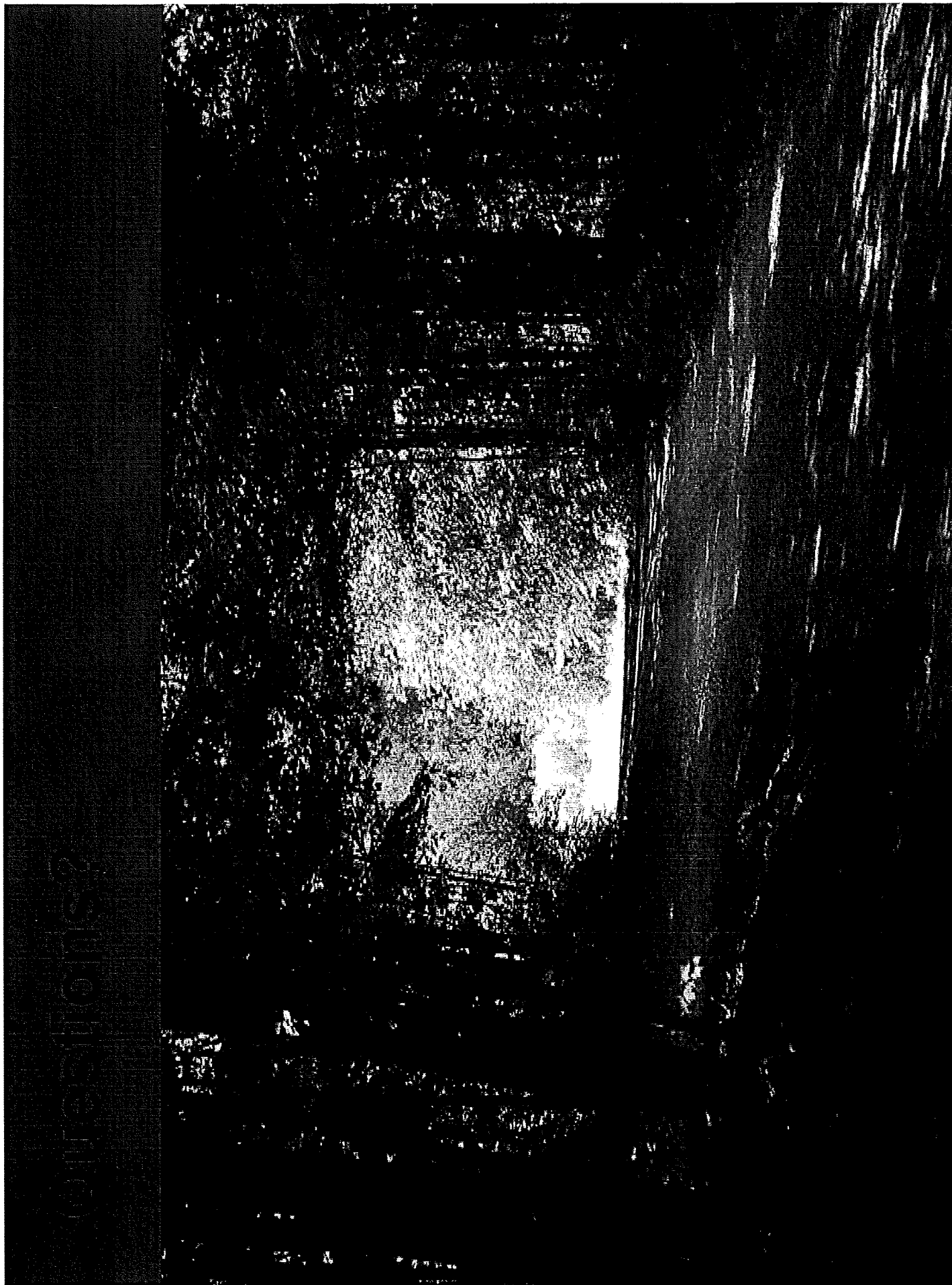


Grand River Conservation Authority

Summary of Municipal Levy - 2018 Budget

DRAFT September 22, 2017

	% CVA in Watershed	2017 CVA (Modified)	CVA in Watershed	CVA-Based Apportionment	2018 Budget Operating Levy	2018 Budget Capital Levy	2018 Budget Total Levy	Actual 2017 Levy	% Change
Brant County	84.0%	5,778,502,491	4,853,942,092	3.20%	329,962	33,630	363,592	354,137	2.7%
Brantford C	100.0%	12,178,149,735	12,178,149,735	8.04%	827,847	84,376	912,223	897,489	1.6%
Amaranth Twp	82.0%	651,361,270	534,116,241	0.35%	36,308	3,701	40,009	39,009	2.6%
East Garafraxa Twp	80.0%	498,143,467	398,514,773	0.26%	27,090	2,761	29,851	29,452	1.4%
Town of Grand Valley	100.0%	396,850,584	396,850,584	0.26%	26,977	2,750	29,727	27,291	8.9%
Melancthon Twp	56.0%	481,524,449	269,653,692	0.18%	18,331	1,868	20,199	19,694	2.6%
Southgate Twp	6.0%	815,068,745	48,904,125	0.03%	3,324	339	3,663	3,620	1.2%
Haldimand County	41.0%	5,888,880,157	2,414,440,864	1.59%	164,129	16,728	180,857	183,117	-1.2%
Norfolk County	5.0%	8,186,035,325	409,301,766	0.27%	27,824	2,836	30,660	30,831	-0.6%
Halton Region	10.3%	36,402,339,213	3,765,423,823	2.48%	255,966	26,089	282,055	271,150	4.0%
Hamilton City	4.7%	77,135,348,277	3,625,361,369	2.39%	246,445	25,118	271,563	263,512	3.1%
Oxford County	37.7%	3,548,847,438	1,337,821,840	0.88%	90,943	9,269	100,212	99,302	0.9%
North Perth T	2.0%	1,770,295,097	35,405,902	0.02%	2,407	245	2,652	2,563	3.5%
Perth East Twp	40.0%	1,600,912,173	640,364,869	0.42%	43,531	4,437	47,968	45,952	4.4%
Waterloo Region	100.0%	86,368,658,180	86,368,658,180	56.99%	5,871,175	598,402	6,469,577	6,314,548	2.5%
Centre Wellington Twp	100.0%	4,246,127,695	4,246,127,695	2.80%	288,644	29,419	318,063	312,036	1.9%
Erin T	49.0%	2,223,001,923	1,089,270,942	0.72%	74,047	7,547	81,594	81,701	-0.1%
Guelph C	100.0%	22,830,352,868	22,830,352,868	15.06%	1,551,964	158,179	1,710,143	1,646,748	3.8%
Guelph Eramosa Twp	100.0%	2,374,434,372	2,374,434,372	1.57%	161,409	16,451	177,860	175,520	1.3%
Mapleton Twp	95.0%	1,408,733,893	1,338,297,198	0.88%	90,975	9,272	100,247	95,992	4.4%
Wellington North Twp	51.0%	1,432,770,017	730,712,708	0.48%	49,672	5,063	54,735	53,415	2.5%
Puslinch Twp	75.0%	2,216,998,019	1,662,748,514	1.10%	113,030	11,520	124,550	127,922	-2.6%
Total		278,433,335,385	151,548,854,151	100.00%	10,302,000	1,050,000	11,352,000	11,075,000	2.5%



Royal Botanical Gardens**2018 Budget**

	2016 Actual	2017 Budget	2017 Forecast	2018 Budget
REVENUE				
Government Operational Funding				
Province of Ontario	4,036,000	4,036,000	4,036,000	4,036,000
Halton Region	748,000	759,900	759,900	775,100
City of Hamilton	605,200	616,100	616,100	625,300
	<u>5,389,200</u>	<u>5,412,000</u>	<u>5,412,000</u>	<u>5,436,400</u>
Operations				
Admissions	863,700	1,114,300	990,900	1,102,400
Group Tours	52,800	33,000	32,300	54,000
Retail	712,800	750,000	765,600	814,100
Food and Catering Net	333,300	500,000	461,600	500,200
Rentals	425,200	623,400	524,500	567,800
Programs	875,200	905,800	865,200	904,800
Special Events	194,500	300,300	262,500	374,000
	<u>3,457,500</u>	<u>4,226,800</u>	<u>3,902,600</u>	<u>4,317,300</u>
Development and Fundraising				
Business Development and Major Gifts	638,400	616,000	824,700	737,000
Annual Giving	167,000	185,000	182,900	185,000
Membership	893,000	935,800	937,300	981,000
Grants	1,240,800	1,768,800	1,459,300	1,042,700
Sponsorship	0	40,000	19,300	60,000
	<u>2,939,200</u>	<u>3,545,600</u>	<u>3,423,500</u>	<u>3,005,700</u>
Other Revenue				
Fund Revenue	-	-	1,379,300	1,457,100
Other	1,460,900	1,794,500	298,600	219,500
	<u>1,460,900</u>	<u>1,794,500</u>	<u>1,677,900</u>	<u>1,676,600</u>
Total Revenue	<u>13,246,800</u>	<u>14,978,900</u>	<u>14,416,000</u>	<u>14,436,000</u>
EXPENSES				
Salaries and Benefits	8,185,900	8,631,500	8,656,000	8,853,600
General and Administrative	782,600	1,114,600	894,300	949,500
Operations	198,100	372,100	265,300	255,500
Retail Cost of Sales	364,700	375,000	379,300	397,600
Programs	189,800	234,600	191,200	170,300
Special Events	576,300	866,100	857,200	646,600
Business Development and Fundraising	92,500	335,900	296,900	257,000
Marketing	493,100	520,600	525,400	557,900
Biodiversity Expenses	662,900	764,100	589,400	568,600
Maintenance	886,100	797,900	978,800	1,005,400
Utilities	609,000	567,000	617,200	617,200
Garden Maintenance	167,700	385,400	159,700	147,800
Total Expenses	<u>13,208,700</u>	<u>14,964,800</u>	<u>14,410,700</u>	<u>14,427,000</u>
NET POSITION	<u>38,100</u>	<u>14,100</u>	<u>5,300</u>	<u>9,000</u>



Budget Presentation

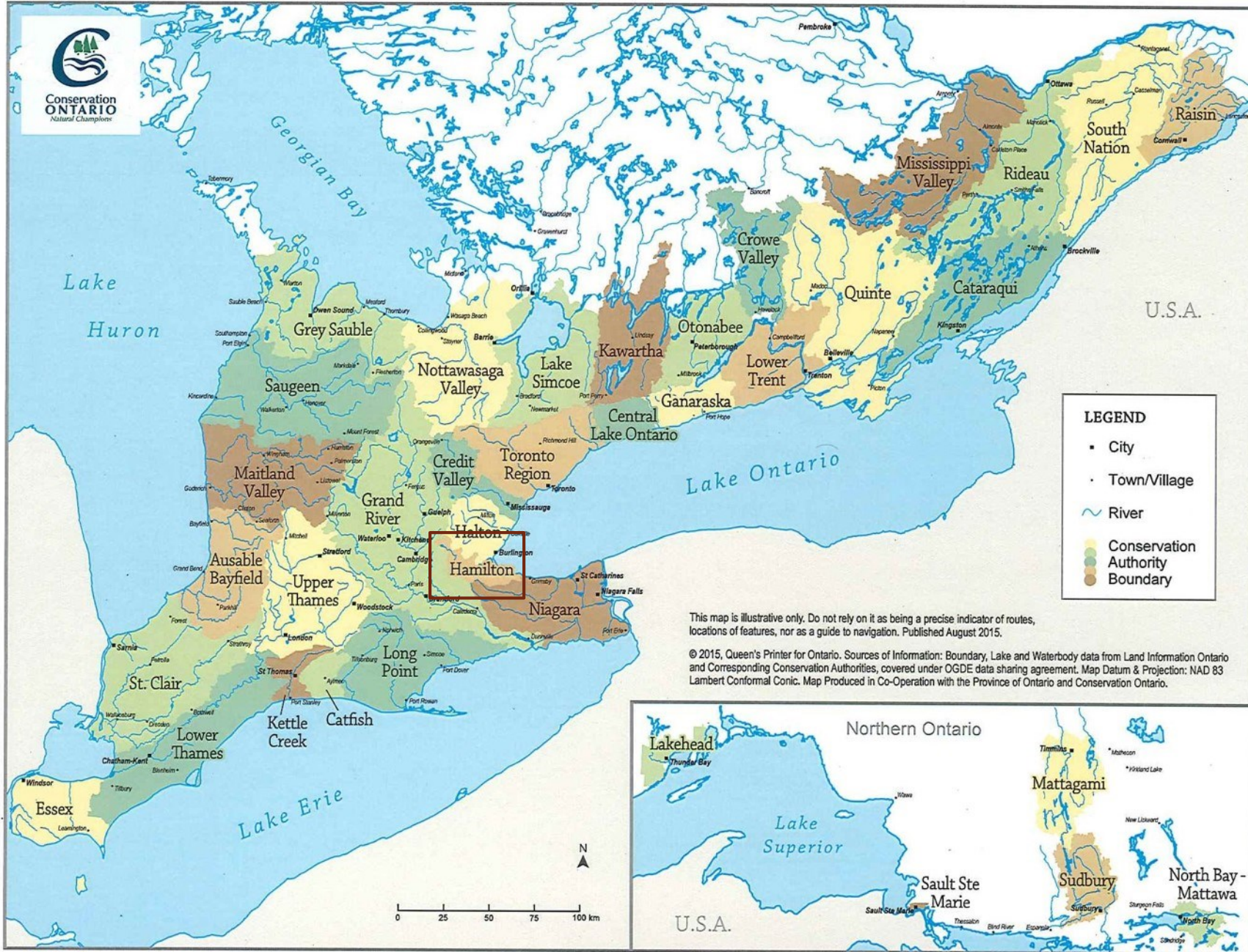
City of Hamilton

January 23, 2018



HCA
Watershed
&
2017
Highlights

2018
Budget
Details





HCA Land Holdings

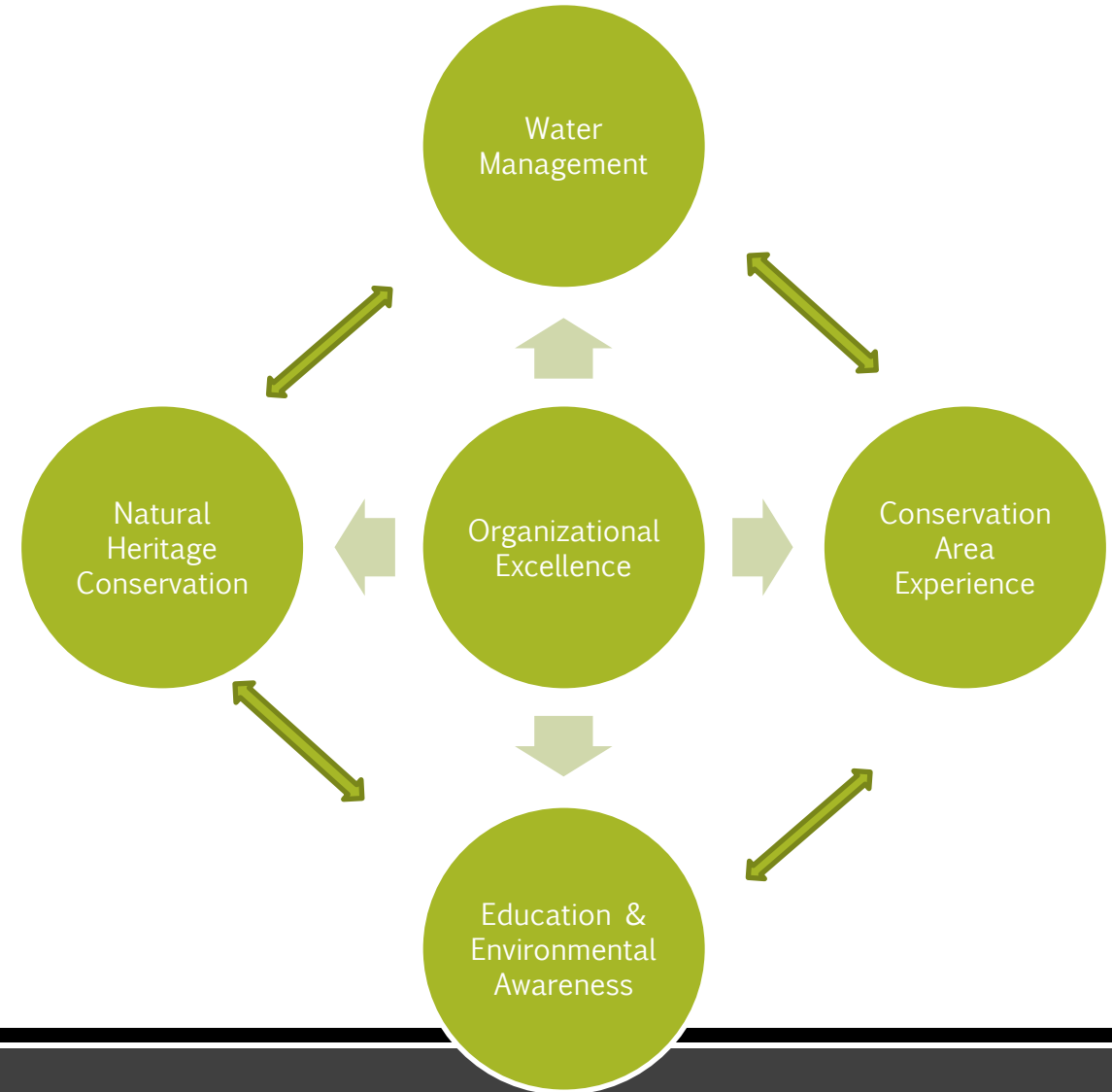
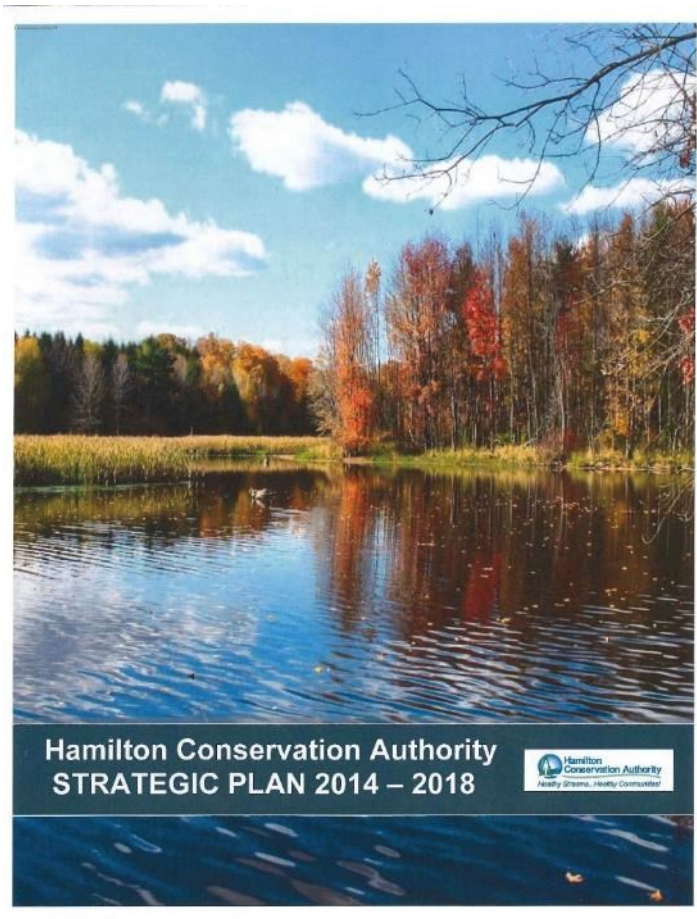
- Acreage - Over 11,000 acres, ~10% of watershed
- In last decade have significant presence on east mountain
- In 2017 HCA added:
 - Saltfleet CA
 - Crockford property to complete HCA lands acquisitions for the cootes to escarpment
 - Additional lands for Dundas Valley

Recreation Opportunities

- Wide range of recreation for residents of Hamilton and beyond
 - Extensive recreational trails with “crown jewel” of Dundas Valley
 - 295 camp sites
 - waterfalls
 - swimming areas
 - boat rental & fishing
 - 340 boat slip marina
 - historical village
- Recreation is a key contributor to our self generated revenues



Current HCA Strategic Plan & Goals





Hamilton Waterfalls

Popularity and promotion through social media in the GTHA continues



Shuttle Bus Service for Spencer Gorge

- Pilot project operated weekends and public holidays from May until end of October 2017
- Over 16,000 cars parked offsite, roughly 48,000 visitors utilized the shuttle
- Partnership and collaboration with municipal bylaw and Hamilton police, ward councillors was key

Waterfall Safety



Stay well back from cliff and escarpment edges.



Stay on the marked trails.

- Keeping visitors safe is a priority
- HCA and City staff shared and collaborated in regard to signage and fencing and consultation with ward councillors

Westfield Heritage Village Master Plan Underway



- Address the acquisition of an additional 144 acres of natural areas acquired since 2015
- Targeted for completion by end of summer 2018
- Guiding Document for next 10 years

Millgrove Worksyard new Equipment Storage

F1 Tornado Damage



New Building



Saltfleet Conservation Area East Escarpment Wetland Restoration Project

Goal

- To create a new conservation area in the east end of the City of Hamilton to provide natural hazard attenuation, natural heritage enhancements and recreation opportunities

Objectives Include:

- To utilize the floodplain areas of Upper Battlefield and Upper Stoney Creeks to retain water to provide flood attenuation both above and below the Niagara Escarpment
- To enhance and enlarge existing wetland areas and to create new wetland areas to provide enhanced wetland hydrologic function to reduce the impacts of high water events and provide water to area watercourses during low flow periods
- To provide linkages within and between conservation area lands by utilizing the Dofasco Trail and enhance and create passive recreational opportunities

Saltfleet Conservation Area - East Escarpment Wetland Restoration Project

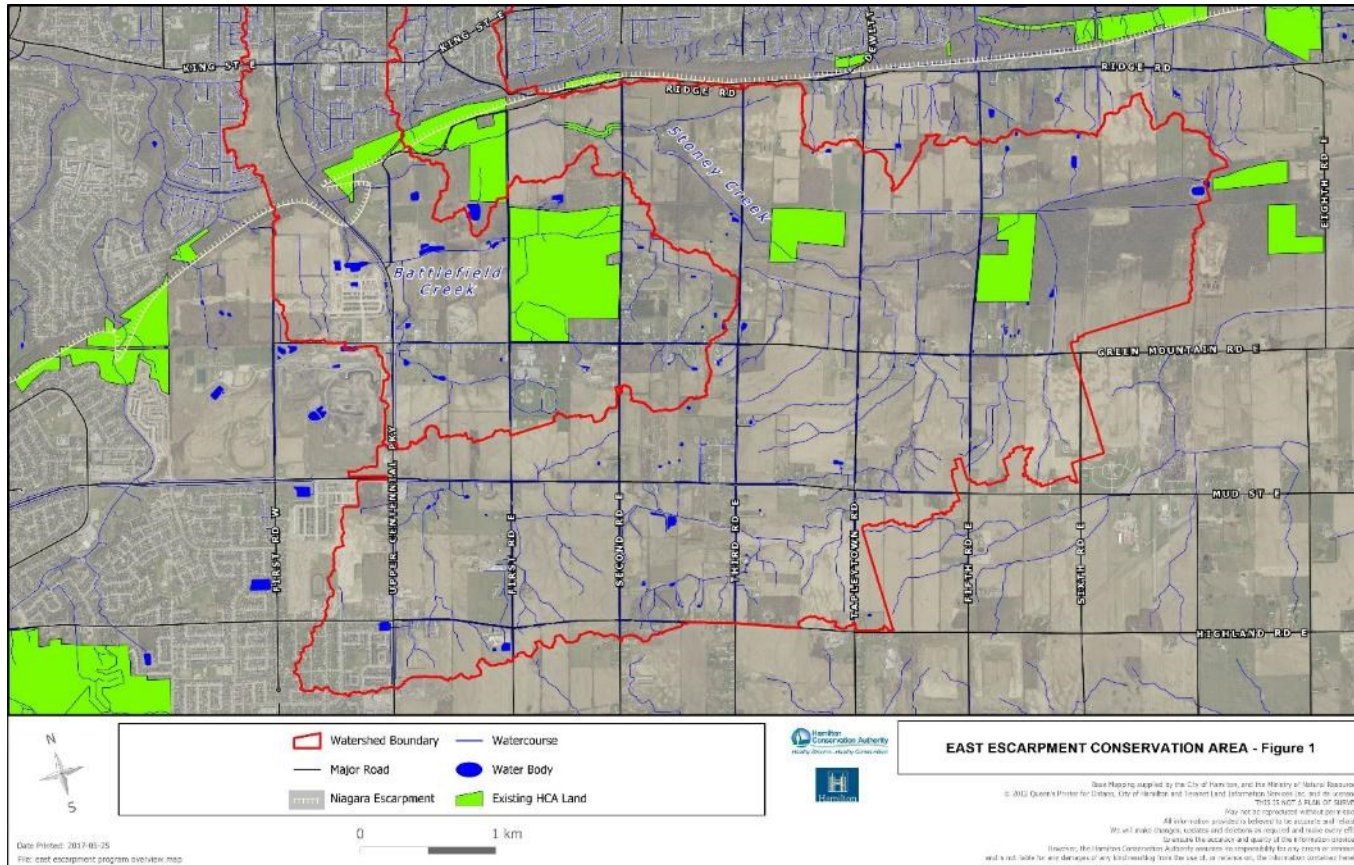
Natural Hazard Attenuation/Natural Heritage Conservation and Restoration

- Completion of Environmental Assessment February 2018. Additional design work required based on preferred option and additional land acquisition to implement flooding and low flow augmentation mitigation and conservation and restoration works

Scenario	Storm Event 2 Year	Storm Event 5 Year	Storm Event 10 Year	Storm Event 25 Year	Storm Event 50 Year	Storm Event 100 Year	Storm Event Regional
Existing - Property	1	14	33	62	78	102	194
With Wetlands	0	9	19	38	41	52	194
Removed - Property	1	5	14	24	37	50	0
Existing - Buildings	0	2	2	7	11	46	116
With Wetlands	0	1	2	2	2	10	116
Removed - Building	0	1	0	5	9	36	0

Saltfleet Conservation Area East Escarpment Wetland Restoration Project

- To date, 245 acres of land have been purchased for this project in the study area.
- Funding has been made available from the Heritage Green Community Trust, the City of Hamilton, the Hamilton Conservation Authority and the Hamilton Conservation Foundation



Hamilton Region Conservation Authority

2018 Budget Details

As approved by HCA Board of Directors November 2, 2017

Goals

- 1) Support Conservation Authorities Act mandate
- 2) Operate on a cash neutral/positive basis
- 3) Require no greater levy increase than Council approved

Support Conservation Authority Mandate

HCA VISION

- HCA works to ensure healthy streams and healthy communities in which human needs are met in balance with the needs of the natural environment, now and in the future

HCA MISSION

- To lead in the conservation and sustainable management of our watershed's natural environment

HCA STRATEGIC PLAN

- Tailor activities to comply, support and / or accomplish one or more of the five strategic goals as defined by the approved Strategic Plan 2014 – 2018

Operate on a cash neutral / positive basis

Revenues are a combination of:

- Self generated commercial sales
- Corporate and individual donations and grants
- Federal and provincial grants
- Municipal special project grants
- Municipal levy
- 2018 \$12.7million

Expenses are a combination of:

- Salaries, wages and staff expenses
- Fleet operation, repair and maintenance
- Facility operating costs including utilities
- Third party contracting and consulting services
- Marketing and promotion
- 2018 \$12.5million

Repayment of loan principal

- Repayment of loans for Canal Park and wind up of Defined Benefit pension plan
- 2018 \$0.2million

Require no greater levy increase than Hamilton Council guidelines provide

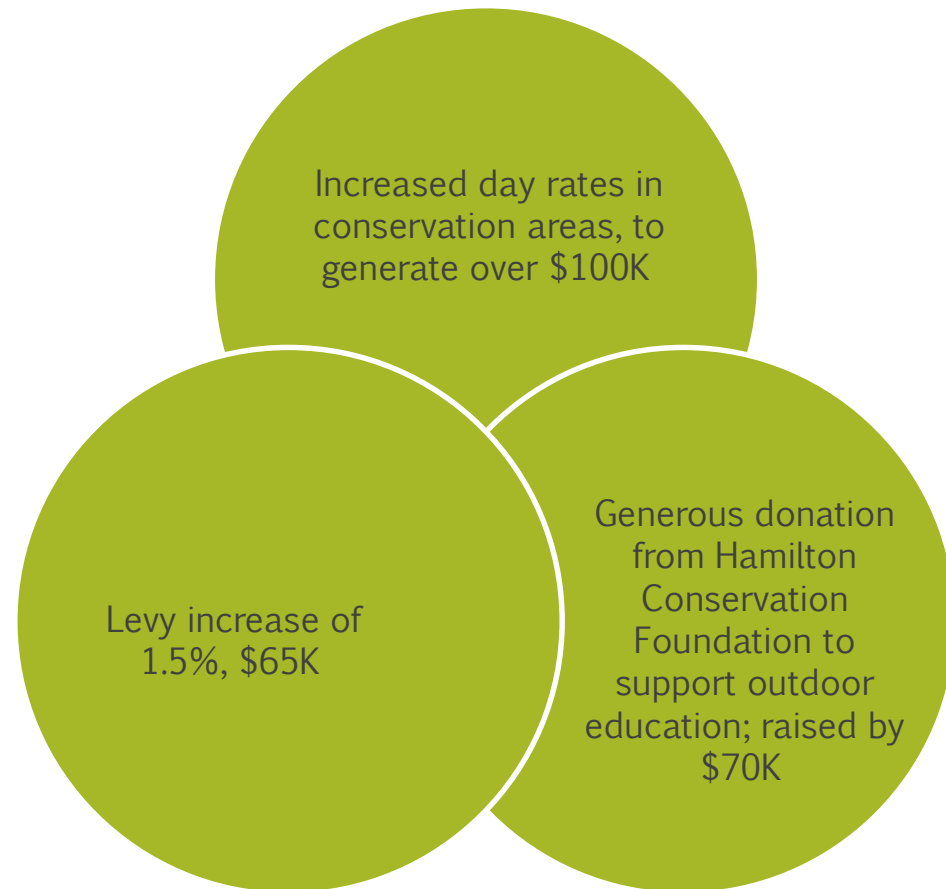
- This year's levy increase is less than last year
 - Recommended increase of 1.5%, last year was 1.8%
 - Translates to \$ 65,000 increase

- Total levy required this year is \$ 4,391,876
 - City of Hamilton share is 99.7%, \$ 4,378,676
 - Township of Puslinch share is 0.3%, \$ 13,200

Levy Use

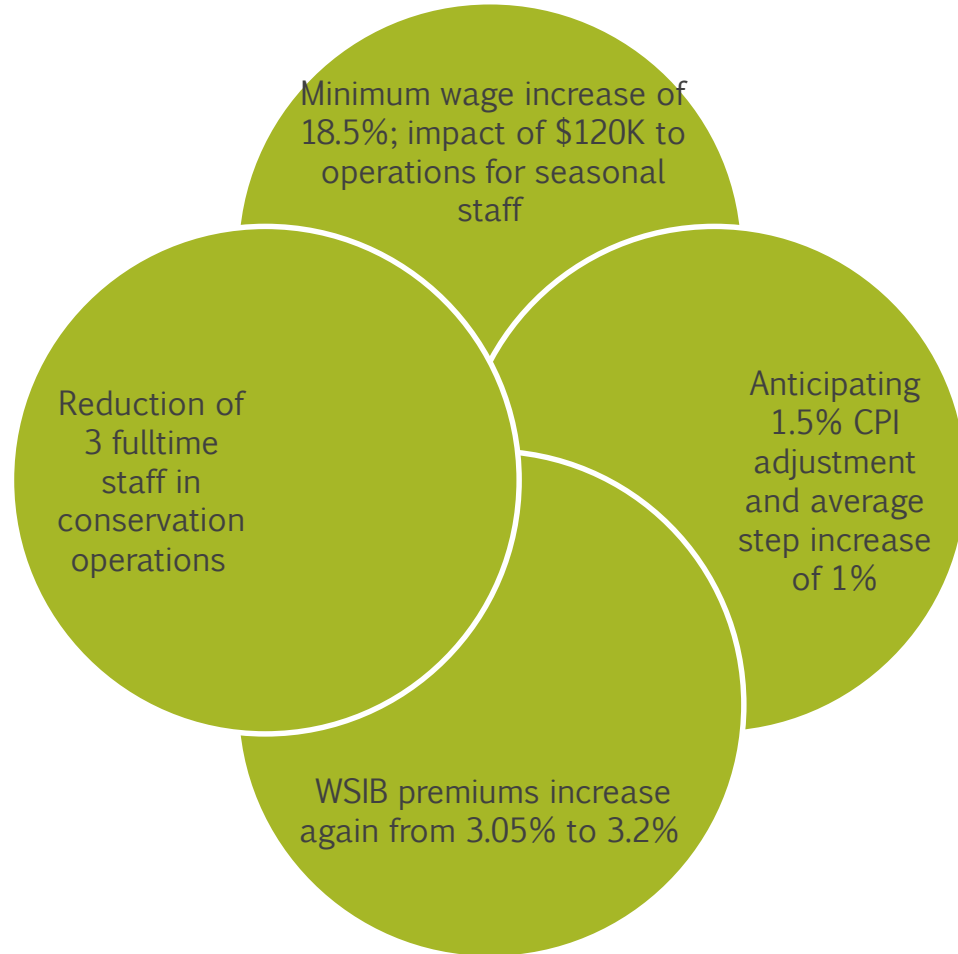
Division	2017	2018	\$ Change
Westfield Village	573,200	581,800	8,600
WP&E	1,158,500	1,187,600	29,100
Corporate Support	2,595,300	2,622,600	27,300
Total	\$4,327,000	\$4,392,000	\$65,000

Revenue Highlights



	<u>2017</u>	<u>2018</u>
City Levy	\$ 4,327	\$ 4,392
Admissions	1,925	2,037
Marina	1,329	1,352
Equipment	1,180	1,180
Camping	922	983
Fees	693	710
Other	<u>1,946</u>	<u>2,047</u>
	12,322	12,701

Expense Highlights



	<u>2017</u>	<u>2018</u>
Staff	\$ 7,672	\$ 7,731
Equipment	1,207	1,257
Materials	489	494
Fees	318	487
Other	<u>2,440</u>	<u>2,529</u>
	12,126	12,498
Loan	<u>196</u>	<u>203</u>
	12,322	12,701

Fleet Complement

Light vehicles - pickup trucks, etc. 34

- Average age is 2008
- Replacement based on:
 - Repair costs
 - Age + - 10 years
 - Mileage + - 200,000 km
 - Hours – vehicle dependent

Tractors/loaders/backhoe 23

Heavy equipment

- Dozer Boat Lift Septic Pumper truck Tandem Dump truck
- Flatbed crane 12 ton Dump truck

Boats 5

Watershed Planning & Engineering Detail

- Fulltime staff of 16
- Four primary activities
 - Regulations, permitting, water quality oversight, policy administration
 - Flood forecasting & flood control
 - Stewardship
 - Project work
- Flood control facilities
 - Valens Lake dam: Height 20.7 ft; length 400 ft;
 - Maximum storage area – 270 acres; Maximum storage capacity - 1,650 acre-ft
 - Christie Lake dam: Height 30 ft; length 600 ft;
 - Max Storage area – 400 acres; Maximum storage capacity - 1,850 acre-ft

Conservation Area Details

- Fulltime staff of 21

- Properties owned and managed:
 - 14 Niagara Escarpment properties, 25 waterfalls, an award-winning marina, two recreational lakes, 145 kilometres of park and rail trails, 12 significant wetlands, an ecological preserve and an 18,000 year old muskeg bog.

- Six major operating divisions:
 - Fifty Point; Valens Lake; Christie Lake including Spencer Gorge; Dundas Valley; Hamilton Mountain including Eramosa Karst and Saltfleet

- Self generated revenue, in total, sufficient to cover expenses

Westfield Heritage Village

- Fulltime staff of 5
- Strong volunteer support with over 270 active members
- Significant land expansion in recent years
 - Master Plan style exercise to be conducted to see how to best utilize new lands to the benefit of visitors
- Special events, school programming and film shoots are key revenue producers

Corporate Services

- Fulltime staff of 39

- Includes:
 - General administration; Finance; Marketing; Human Resources; Outdoor Education; Foundation Administration; Capital Design; Fleet; Forestry; Construction; Trades

- Land acquisition donations and purchase costs flow through Corporate operating accounts before being moved to the balance sheet

- The majority of construction crew, trades and forestry wages are charged to the specific jobs with the non-tool/non-project time remaining here

Loan Payments

Remaining loans :

- **1) 2018 Veldhuis (Canal Park) loan**
- 44K principal payment, \$0 interest
- 2010 - Original terms- Loan of \$440 thousand @ 0.0% interest, 10 year term
- final payment March 31st, 2020

- **2) 2018 DB Pension Deficit loan:**
- \$ 159K principal payment, \$28K interest
- 2011 - Original terms- Loan of \$ 1.5 million @ 4.25% interest, 10 year term
- final payment June 30th, 2021

Confederation Beach Park

- Owned by the City of Hamilton, managed by the HCA
- Management agreement expired December 31st, 2016;
- New agreement now in place: term of 10 years plus two 5 yr. renewals
- Only monetary impact to HCA is the management fee, calculated as a percentage of expenses, approximately \$400K per year
- The 2017 was average in WWW attendance; 2015 and 2016 were the best in recent history but success brings other issues
- Significant money pledged by the City to expand the attractiveness of CBP starting with the new name, wayfinding signage and east end sports park
- Money has been pledged by the City for feasibility study of the waterpark which needs upgrading; also conducting a facilities review of whole park

Confederation Beach Park Budget Considerations

- Minimum wage increase is the single largest impact to costs
- Weather has single largest impact to revenues, validating conservative use of 100,000 attendance as base
- Competition may have additional impact in 2018; soft start to Wet n' Wild in Brampton
- Only revenue source for material change is WWW admissions
- Leases all recently updated
- Film industry highly variable

Wild Water Works Revenues

- Increases to general admissions set at 15%
 - Adult general day pass will be \$26.36 plus HST
 - (an increase of \$3.44)
 - Competitors' prices
 - Wet N 'W (Toronto) \$39.95
 - Calypso (Ottawa) \$49.99
 - Bingeman (Kitchener) \$27.95

 - Fallsview (Niagara Falls) \$44.95

Wild Water Works Costs

- Minimum wage increase of 18.5%
 - WWW employs 143 casual staff, Park 17
 - Impacts of \$150K and \$20K, respectively
 - Plus 17% MERC – another \$30K

- All other costs subject to CPI

2018 Confederation Beach Park Budget

	Passive Park		Commercial Ops	
	<u>2017</u>	<u>2018</u>	<u>2017</u>	<u>2018</u>
<u>Revenues</u>				
Operations	\$ 56	\$ 63	\$ 1,853	\$ 2,088
Rentals	95	112	151	164
City cont'n	650	670	-	-
3rd Party	-	-	356	372
	<u>801</u>	<u>845</u>	<u>2,360</u>	<u>2,624</u>
<u>Expenses</u>				
Operations	673	716	1,710	2,005
Marketing	-	-	204	183
Insurance	24	22	138	134
Mgmt Fees	104	107	308	302
	<u>801</u>	<u>845</u>	<u>2,360</u>	<u>2,624</u>
Net	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Thank You





2018 Budget Presentation

Presentation To
City of Hamilton
Jan. 23, 2018

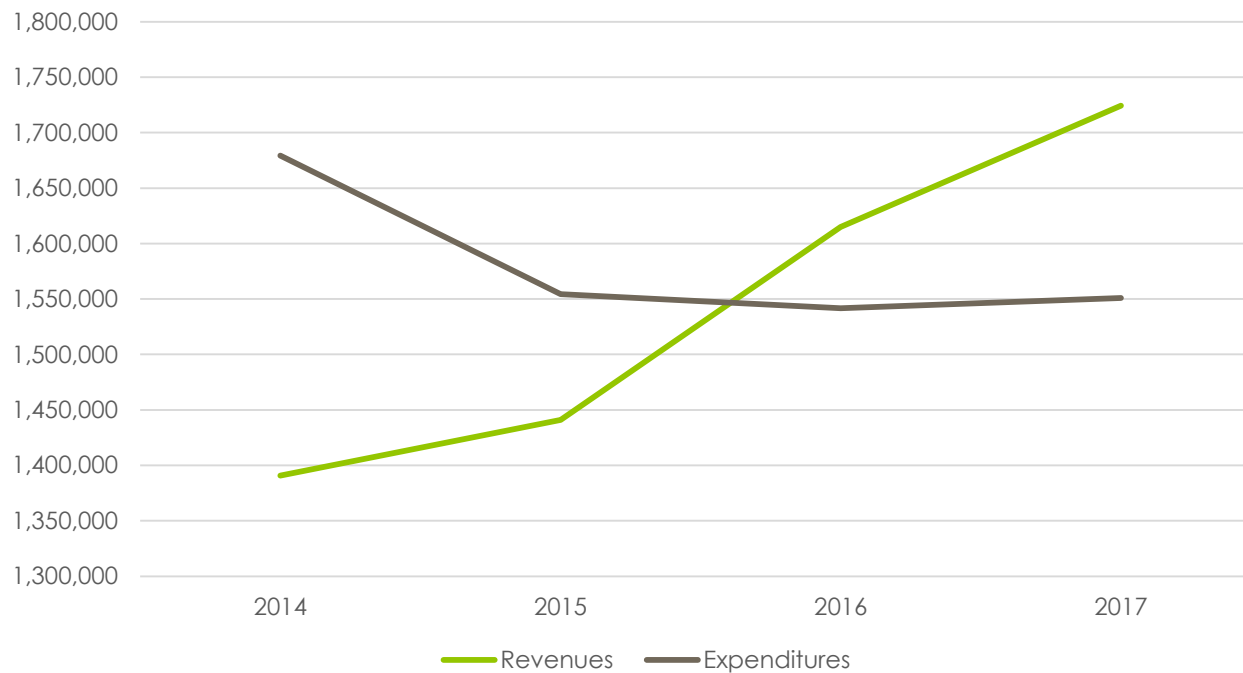
2017 Budget Summary

	2017 Levy increase %	2017 Municipal Budget Guidance
Niagara Region	0.94%	1%
City of Hamilton	1.40%	1.80%
Haldimand County	0.40%	none provided

- ✓ Total combined Levy guidance increase of 1% (\$88,029): achieved
- ✓ Operating budget be based on actual costs: completed
- ✓ No net reduction to the operating reserves: achieved
- ✓ Sustain cost savings realized to date: achieved
- ✓ Continue to pursue additional revenue generating opportunities: achieved

Trends- Park Operations

Park Revenue & Expenses
(Ball's Falls, Binbrook, Chippawa Creek, Long Beach, St. John's)



	2014	2015	2016	2017
Revenues	1,390,690	1,440,933	1,615,079	1,724,257
Expenditures	1,679,273	1,554,414	1,541,742	1,550,862
Net	(258,583)	(113,481)	73,337	173,395



Budget Committee Direction June 12, 2017

- ❑ Total combined Levy increase of 2% (\$177,820)
 - ❑ *Equates to approx. 1.6% total budget increase as guidance*

2018 Budget Pressures

- ❑ Implementation of approved and upcoming Masterplans (Binbrook/Cave Springs/Lake Erie Shoreline Properties, etc.)
- ❑ Planned to fund future projects such as:
 - ❑ L.B. Lagoon, C.C. Electrical upgrades
 - ❑ Emerald Ash Borer removal and tree replacement
 - ❑ Water Quality Monitoring and restoration
 - ❑ Floodplain mapping updates



2018 Budget Pressures (con't)

- ❑ Additional public consultation:
 - ❑ Floodplain mapping
 - ❑ NPCA Policy Document Review

- ❑ Professional Services

- ❑ Increased Training requirements

- ❑ Strategic Planning Support

- ❑ HQ lease increase (Alternative HQ feasibility)



Full Time Salary and Benefits

- ❑ Projected 2018 Salary and Benefit Expenditure \$5,061,204
- ❑ Legislated minimum wage increase effective Jan.1, 2018 to \$14/hour equates to approx. \$35,000 increase to student wages
- ❑ Projected 2018 Expenditure includes:
 - ❑ Step increases
 - ❑ 2.25% as per collective agreement with union
 - ❑ 3% increase in group benefits at present by Sun Life (carrier for Conservation Authorities).
 - ❑ Other benefit costs adjusted to reflect known changes such as: WSIB premium increased to \$3.05 from \$2.88 per \$100 of earnings , EI premium decrease to \$836 from \$955 per employee , CPP increase from \$2,545 to \$2564 per employee



2018 Operating Budget adjustments

- Merged former Operations Department with Financial Services and Information Technology Divisions to form new Corporate Resources Department
- Merged Human Resources , Communications, Community Engagement and Administrative Assistant services with Office of the CAO and Board now referred to as 'CAO and BOARD'
- Regular Full time Salaries and Benefits include 2.25% increase to base salary as per the collective agreement

Funding Allocations to the 2018 Operating Budget

Regular Levy	5,805,740
Special Levy	847,435
Federal Grant	155,000
Provincial Grant	473,996
Park Operations/Strat Init.	1,660,350
Admin Fees	367,500
Fees for Services (Municipal)	185,000
Other	136,000
Opg Funds	0
Operating Budget Funding Total	9,631,021

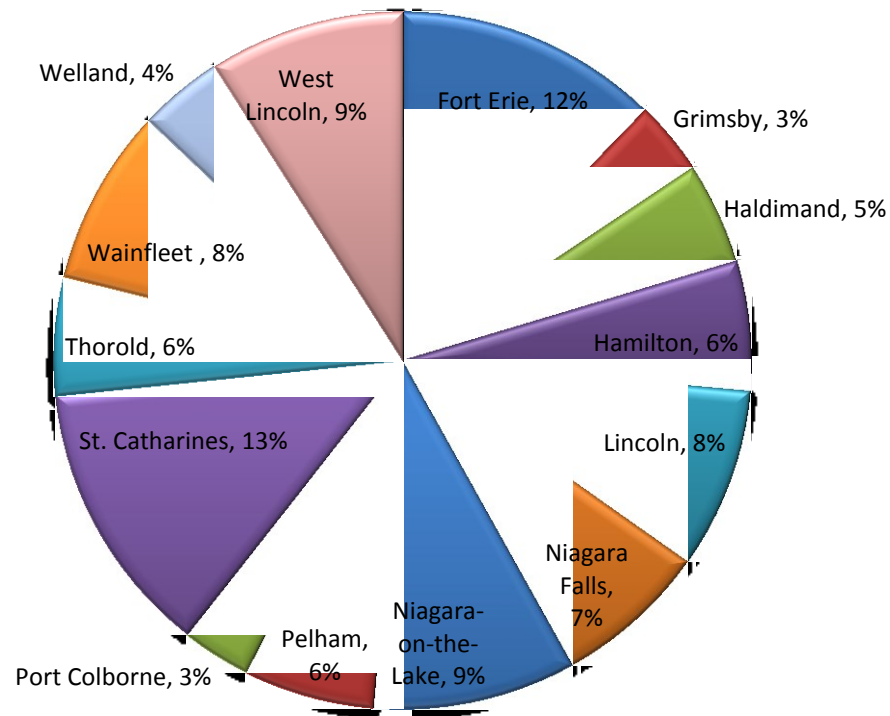
2018 Operating Expenditures

Board/ Administration	1,605,035
Watershed	2,578,492
Corporate Resources	5,447,494
Operating Expenditure Total	<u>9,631,021</u>
Surplus/(Deficit)	<u>0</u>



Resources spent in Hamilton Planning & Regulations

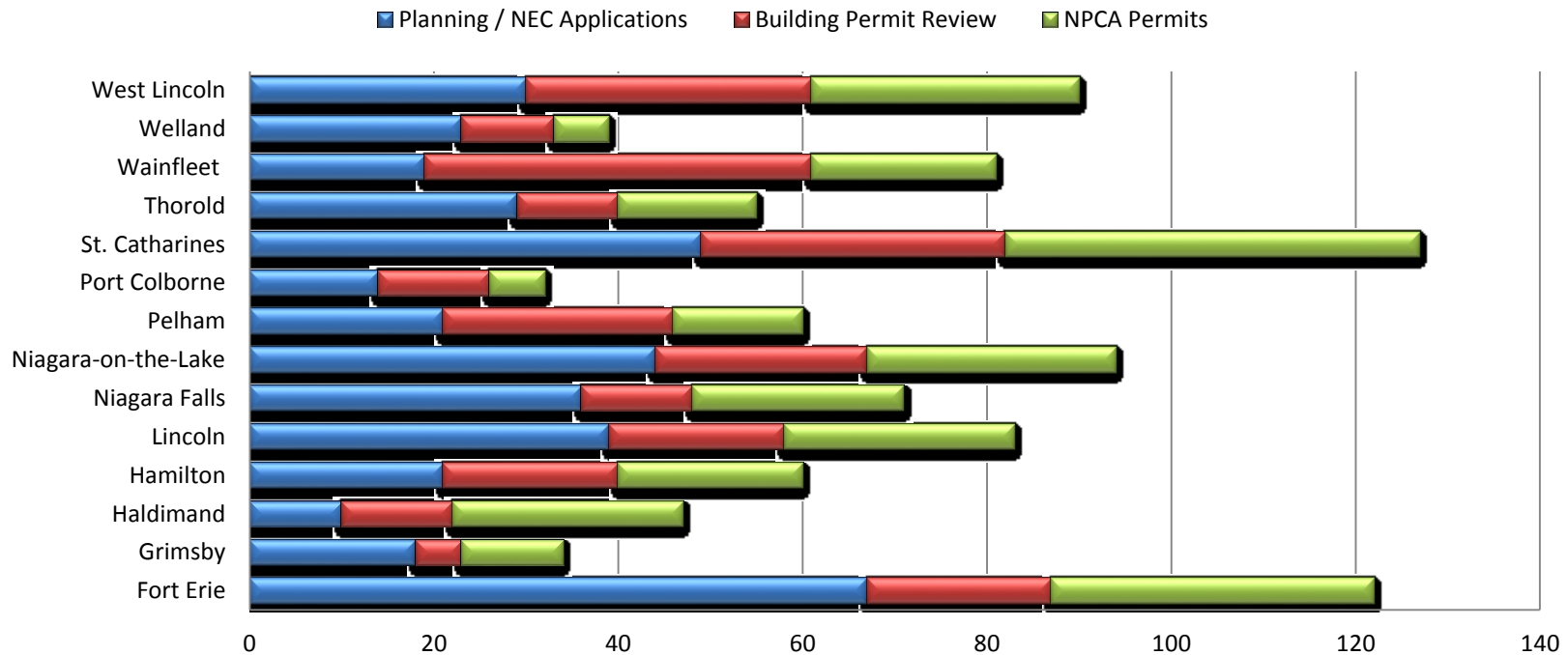
**Total No. of Applications (%),
January 2017 - December 2017**





Resources spent in Hamilton Planning & Regulations

NPCA Watershed, No. of Applications by Type, January 2017 -
December 2017



	Fort Erie	Grimsby	Haldimand	Hamilton	Lincoln	Niagara Falls	Niagara-on-the-Lake	Pelham	Port Colborne	St. Catharines	Thorold	Wainfleet	Welland	West Lincoln	Totals
Planning / NEC Applications	67	18	10	21	39	36	44	21	14	49	29	19	23	30	420
Building Permit Review	20	5	12	19	19	12	23	25	12	33	11	42	10	31	274
NPCA Permits	35	11	25	20	25	23	27	14	6	45	15	20	6	29	301
Totals	122	34	47	60	83	71	94	60	32	127	55	81	39	90	995



Resources spent in Hamilton Water Quality Monitoring Program

- The NPCA has **11 water quality monitoring stations in the City of Hamilton** as part of our core monitoring program.
- NPCA **collects water samples monthly** (8 times per year) with results published in its Annual Water Quality Monitoring Report.
- The **Hamilton International Airport** (HIA) hires the NPCA to monitor macroinvertebrates in two watercourses that drain from the HIA property to assess their creek impacts.
- At the request of the **Glanbrook Landfill Committee** the City of Hamilton hires the NPCA to monitor macroinvertebrates upstream and downstream of the Glanbrook Landfill to assess any landfill impacts to the adjacent watercourses. The NPCA collects samples in the spring and fall of each monitoring year and a report is provided to the City of Hamilton and the Glanbrook Landfill Committee.



Resources spent in Hamilton

Binbrook–Recent Capital Investments:

2016/17/18

Canada 150 Splash Pad = \$500,000

Splashpad Building = \$25,000

New Fishing Pier = \$50,000

Lifeguarding Assessment/Implementation = \$5,000 + additional staff

Scoping of Water System Upgrades = \$10,000

Day-Use Trail Improvements and Parking = \$20,000

New Picnic Tables and Garbage Cans = \$15,000

Scoping of Wastewater System Upgrades = \$10,000

Washroom Improvements + Roof = \$35,000

Scoping of Electrical Upgrades = \$3,000

New Point of Sale System = \$5,000

Roof on Pavilion #2 = \$10,000

Accessible Walkway = \$15,000

POS system = \$5,000

Hazard Tree removal = \$25,000

Tree Planting = \$35,000

RTV = \$30,000

Total = \$798,000





Resources spent in Hamilton **Binbrook Master Plan**



- Future Projects:
 - \$10 Million required over the next 10-12 years to implement all Master Plan recommendations

Binbrook CA
Direct Operating Costs = \$330,000 (2018)



Resources spent in Hamilton **COMING SOON!**

- 2018 - Mud Girl (June 2, 2018 & June 3, 2018) - 5km mud run - 3500 participants currently registered for event.
- 2018 - Prison Break September 15, 2018 - 6km mud run
- Burlington Beach Rentals (1 year lease in 2018 pending Board approval)
- Boarder Pass (2nd year of 3 year lease)
- PT Water Sports (currently in negotiations for 3 year lease)
- Tree Top Trekking (currently in negotiations for





2018 Levy Increase

Revenues	2017 Budget/ Actual	2018 Budget
Niagara Region		
Regular Levy	4,739,948	4,848,695
Special Levy	2,699,359	2,128,851
City of Hamilton		
Regular Levy	1,214,568	1,282,780
Special Levy	120,897	123,315
Haldimand County		
Regular Levy	116,200	114,643
Total		
Regular Levy	6,070,716	6,246,118
Special Levy	2,820,256	2,252,166
Total Municipalities	8,890,972	8,498,284

Summary

- ✓ Total 2018 Operating budget of \$9,631,021 represents a **-5.1%** from 2017 Operating budget of \$10,143,392
- ✓ Total Municipal Levy effect of **-4.4%** from 2017
- ✓ The requirement to use the provincial formula and municipal levy apportionment data supplied by MPAC for the 2018 budget results in the following NPCA levy impact as a % per municipality:

	2018 Levy Increase %
Niagara Region	-6.20%
City of Hamilton	5.30%
Haldimand County	-1.30%

