



Lake Simcoe Region
conservation authority

A Watershed for Life

Regional Municipality of York 2013 Budget Presentation November 29, 2012

Proud winner of the International Thiess Riverprize • Member of Conservation Ontario

Fundamental Principles

From Vision to Results

- Economic Vitality

- Healthy Communities

- Sustainable Environment

- Good Governance

Focused Future

- Education & Engagement

- Protection & Restoration

- Science & Research

- Leadership & Support

Legislative Requirements of the LSPP



- Environmental Drivers/Targets
- Reducing Phosphorous to 44 Tonnes per year
- Water quality improvements (dissolved Oxygen of 7 mg.)
- Natural Heritage Cover
- Stormwater Guidelines
- Sewage treatment targets

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Economic Vitality – Healthy Watershed Benefits

- Wetlands-water quality
- Preserve recreation opportunities
- Flood Vulnerability is minimized – reducing costs to communities
- Healthy waters, help drive healthy economy
 - Fishing, boating, tourism



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Environmentally-sustainable infrastructure

Showcasing Water Innovation

1. Storm Water Management Pond Retrofits
2. Green infrastructure developments

- Solve water management challenges
- New and innovative approaches
- Easily used by other communities
- Create partnerships



Bio-retention swale
infiltrating parking lot run-off

“Water is the driving force in nature.”
Leonardo da Vinci

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Colony Trail SWM Retrofit Pond Town of East Gwillimbury

Background:

- This dry pond within the Town of East Gwillimbury primarily receives runoff from a residential subdivision with a catchment area of 18 Hectares. It was constructed in the 1980s, only addressing water quantity.

The Problem:

- The existing storm water management pond did not address water quality.



Shaping of Wetland Cells

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Build-out of Developing Communities

- Applications under Planning Act
 - 2011 – 73
 - 2012 – 111
- Applications made under Ontario Regulation 179/06
 - 2011 – 112
 - 2012 – 187
- Enforcement Matters
 - Complaints investigated – 69
 - Violation notices issued – 13



Leverage grant funding opportunities

- Ongoing delivery of projects that PROTECT and RESTORE the environment
- LEAP:
 - Over 80 projects complete or in progress to date 2012 - \$914K
 - \$1.4M in over 80 projects completed in 2011
 - Focus on priority subwatersheds and programs

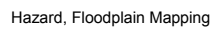
George Richardson Park SWM Pond retrofit



– Colony Trail SWM Pond retrofit site

Sustainable Environment
Healthy Communities

- Continuing maintenance of EMS Flood Vulnerable Features database
- Ongoing update of hazard mapping, including floodplains and watercourses



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- “Floods Happen” municipal information workshop
- Flood and emergency response training
- Participant in Region’s annual emergency exercise
- Flood Bulletins issued



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Healthy Communities

- 3 year partnership - introduced financially sponsored field trips for 400 York Region students

\$100 award and judging experience supported the York Region Boards of Education Science and Technology Fair



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Healthy Communities

2400 students and teachers engaged in Outreach Education Program – 36% from York Region

9 fairs and festivals, 4 in York Region Communities

3,900 students, 48% from York Region



Conservation Lands – Linkages to a Healthy Community

- Own and/or manage 32 properties within the Lake Simcoe watershed – totaling over 2,000 hectares of greenspace
- 725 hectares are within York Region
- Critical linkage to regional trail systems, including Oak Ridges Trail, Nokiidaa Trail and future connection to the Lake To Lake Trail



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Sustainable Environment

- Core Monitoring
 - Science based decisions
 - Increase “P” removal
- Learning and Adapting to Achieve a Healthy Watershed
 - Key component of the Integrated Watershed Management approach
 - Track conditions so we can respond and adapt
 - Monitor and evaluate new techniques and technologies
- Communication and Education
 - Publication of Lake Simcoe Newsletter Series
 - Watershed Report Cards



Water turbidity probe



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Good Government

- LSRCA leverages York Region Funds with other municipal partners, and land owners.
- Programs delivered by LSRCA totalling \$4,709,187 have been achieved with the Region's investment of \$1,650,528.
- Further, LSRCA leverages York Region funds with federal, provincial, and other environmental interest groups.



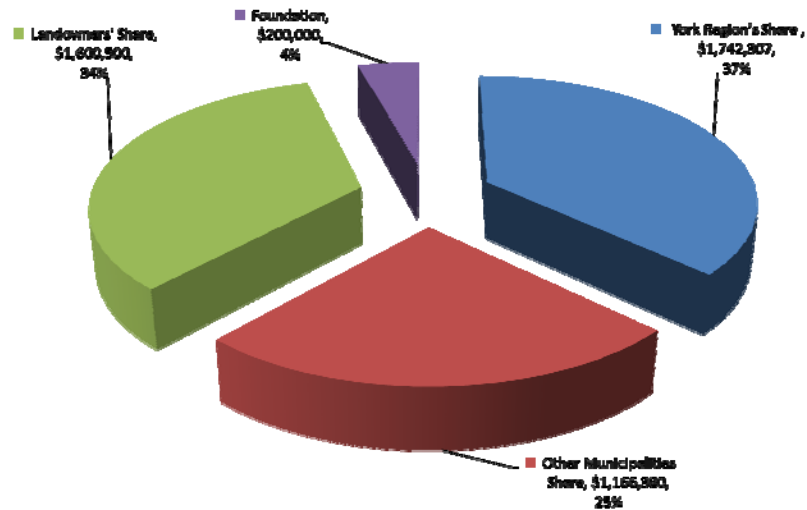
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Special Capital Program Comparisons

Program	Municipality Share 2012 Actual	Municipality Share 2013 Proposed	Other Partners' Shares	Total Program Value
LEAP	449,450	462,439	2,250,478	2,712,917
Basin Wide Initiatives	188,100	196,565	124,166	320,731
Lake Simcoe Protection Plan	125,400	131,043	84,450	215,493
Watershed Monitoring	337,158	352,330	214,630	566,960
Natural Hazard Mapping	46,227	48,307	46,180	94,487
Natural Heritage Mapping	52,806	55,182	33,455	88,637
Flood Forecasting	97,351	101,731	58,876	160,607
Subwatershed Plan & Implementation	256,036	267,558	--	267,558
Conservation Areas Moraine Coalition	5,000	5,000	5,000	10,000
Conservation Area Management Plan	65,000	67,925	53,354	121,279
Program Information Management	10,000	54,227	72,800	127,027
Conservation Area Development	18,000	--	23,491	23,491
TOTALS	1,650,528	1,742,307	2,966,880	4,709,187

Funding Partners

Total Program Value - \$4,709,187



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2013 Additional Budget Request

2013 Program	Total Cost	Region's Share	Additional Ask
Database Analyst Position – General Levy	80,000	48,000	48,000
Streambank Erosion Protection	42,000	42,000	<u>42,000</u>
			<u>90,000</u>

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Preliminary 2013 Budget Request

	General Levy (in 000's)	Special Capital (in 000's)	Totals (in 000's)
2012 Approved Base	2,058	1,650	3,708
2013 Base (Inflation, COLA, etc.)	85	92	177
Remove one-time funding	-11		-11
Total	2,132	1,742	3,874
Percentage Change	3.6%	5.6%	4.5%
Reforestation		40	40
GRAND TOTAL	2,132	1,782	3,914

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Thank you for your continued
partnership and support



Riverwalk Commons, Newmarket



Lake Simcoe Streambank Stabilization Project,
East Holland River



Lake Simcoe near Keswick Marina

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