

## Conservation Authorities 2008 Budget Document

### Section I. Existing Services and Service Levels:

The Region of Peel supports three conservation authorities (CAs): Credit Valley Conservation (CVC), Conservation Halton (CH) and Toronto and Region Conservation Authority (TRCA).

The funding support for these organizations consists of two categories:

- Grants to CAs for operating costs. In accordance with the *Conservation Authorities Act*, each of the three CAs whose watersheds are in Peel Region, establish budget estimates required to undertake the mandated programs. The grants are in the form of the General Levy request.
- Contributions to Reserve. Reserves for CAs exist to support the Special Levies request of the CAs. The reserves are used for the funding of the capital program.

### Section II. Resources to Deliver 2007 Services:

Current \$'000	2006 Actual	2007 Budget	2007 Projection	2007 Variance Under/(Over)
<b>Total Expenditures</b>	\$2,703	\$4,238	\$4,238	\$0
<b>Total Revenue</b>	\$0	\$0	\$0	\$0
<b>Net Cost</b>	\$2,703	\$4,238	\$4,238	\$0
<b>FTE</b>	N/A	N/A	N/A	N/A

#### **2007 Budget:**

By virtue of the *Conservation Authorities Act*, municipalities must remit the full funding levied by the CAs on an annual basis. Therefore, the year end variance on the budget for this program will normally be zero.

#### **2007 Projection:**

The Region supports the three authorities on a ratio of 75 per cent water rate and 25 per cent tax rate. The above figures represent the tax rate portion. The gross 2007 conservation authority budget is \$17.0 million. The 2007 grant payment and the 2007 Capital Budget (excluding the Land Securement project which is managed by the Greenland Securement Subcommittee) will be remitted by year end.

### Section III. Performance Measurement/Benchmarking:

No measures are available at this time. The CAs are working with the Region to develop a Service Strategy Business Plan (SSBP). The completion of the SSBP should guide the future plans of the CAs as well as guide them in the preparation of valuable measures.

**Section IV. 2008 Base Pressures:**

In order to continue supporting the Regional programs at the 2007 approved service level, there are increases to the base cost for these services in the following sections, as identified in Appendix I:

***Annualization:***

Any annualization of increases is built into the new levy request.

***Cost of Living Increase/Inflation:***

The cost of living and inflationary increases are included in the Grant Payments to the CAs:

***Grant Payments***

A summary of the requests follows (\$'000):

	<u>2008</u>	<u>2007</u>	<u>Increase</u>	
CVC	\$ 5,100	\$ 4,301	\$799	19 per cent
TRCA	1,274	1,243	31	3 per cent
CH	<u>314</u>	<u>259</u>	<u>55</u>	<u>21 per cent</u>
Total Grants	\$ 6,688	\$ 5,804	\$884	15 per cent

Grant payments increased by \$884.0 thousand from \$5.8 million in 2007 to \$6.7 million in 2008. This includes cost of living increases as well as new pressures. The TRCA increase is a result of normal cost of living increase and inflationary expenses. The CH is a significant percentage increase, but is mainly due to a market adjustment of salaries which has been under review, in order to bring staff salaries in line with other CAs. The CVC increase is significant in percentage and dollar. It is based upon the cost of living increases as well as transferring some projects funding source from special levy to general levy. Included in the budget are 21 additional staff who would be funded from special levy request, thus very little impact on general levy.

**Section V. Cost Mitigation Through Efficiencies and Recoveries:**

***Efficiencies:***

Any efficiency will be built into the General Levy request.

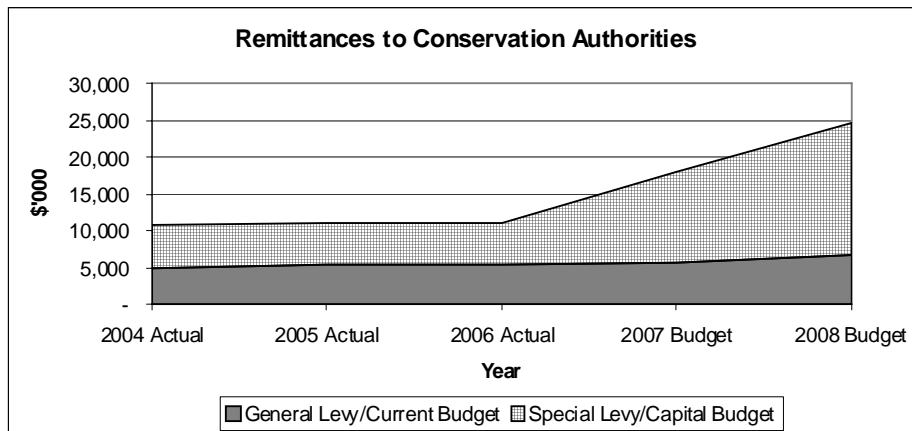
***Recoveries:***

CAs are partially funded through water allocation. The funding distribution for CAs general levy is 75 per cent water rate allocation and 25 per cent tax rate allocation. While 2008 gross budget for CAs amounts to \$23.7 million, \$6.7 million pertains to the annual grants. This is an increase of \$884.0 thousand or 15.2 per cent which is funded \$597.0 thousand from the water rate and \$287.0 thousand from the tax rate. The funding distribution is under review.

**Section VI. Challenges and Emerging Trends:**

The goals and objectives of the CAs are growing as they are faced with global climate changes, changes to legislation around source protection, and managing the impacts of urbanization on the watershed. Hence, the capital program is significantly increased to meet these challenges. As the capital program is funded through reserve contributions from the current budget, the expanded capital program is imposing an operating budget increase affecting both water and tax rates.

As can be seen in the graph below, the remittances to the CAs and the recent requests are on the rise.



The change from the 2004 remittances to 2008’s request represents a 230 per cent increase in funding. This is placing significant pressure on the Region’s resources.

The CAs also have future plans on land Securement that will soon exceed the available funding at the Region. Properties brought forward to the Greenland Securement Subcommittee will need to be reviewed in order of priority to ensure the funding is leveraged in the best interest of the Region’s residents.

An increase of \$5.9 million to reserve contribution has been included in the 2008 operating budget to fund the 2008 capital budget’s increase. The 2008–2017 Capital Plan will require further annual increases to reserve contributions in order for the underlying reserve to remain sustainable.

**Section VII. 2008 Program Pressures – Current:**

***Service Demand:***

Due to global warming and climate changes issues, there is an additional \$9.6 million budgeted in the \$17.9 million capital program that is related to climate changes mitigation. As a result, an increase of reserve contribution is built in the current budget in order to fund the increase in 2008 capital budget.

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### *Contributions to Reserves:*

	<u>2008</u>	<u>2007</u>	<u>Increase</u>	
Conservation Reserve	\$16,550	\$10,650	\$5,900	55.4 per cent
Greenlands Securement Reserve	<u>500</u>	<u>500</u>	-	0 per cent
Total Contributions	\$17,050	\$11,150	\$5,900	52.8 per cent

The contribution to reserve to support the capital plan is increasing by \$5.9 million from \$11.2 million in 2007 to \$17.1 million in 2008. The base budget includes \$500.0 thousand for the purpose of Greenland Securement.

In total, the increase for 2008 is \$3.5 million on the tax rate (equivalent to 0.5 per cent tax rate increase) and \$3.3 million recovery from the water rate (equivalent to a 3.0 per cent water rate increase).

### **Section VIII. 2008 Program Pressures – Capital:**

The conservation authorities' capital program consists of projects in three categories; those related to global warming and climate changes mitigation for \$9.6 million, those related to watershed quality and sustainability for \$4.5 million and those related to infrastructure and administration for \$3.3 million. In addition, \$500.0 thousand has been set aside for land securement.

The capital plan is broken down between the authorities as follows (\$'000):

	<u>Global Warming</u>	<u>Watershed</u>	<u>Infrastructure</u>	<u>Total</u>
CVC	\$5,021	\$1,467	\$1,153	\$7,641
TRCA	4,655	3,035	2,074	9,764
CH	<u>0</u>	<u>0</u>	<u>20</u>	<u>20</u>
	\$ 9,676	\$4,502	\$3,247	\$17,425
Land Securement				<u>500</u>
Total Capital Budget				\$17,925

The details reside in Appendix IV.

The capital program is funded from two reserves: The CAs Reserve and the Greenland Securement Reserve. Both reserves are funded through the contributions to reserves within the current budget. While the allocation between tax and utility programs has been 25 per cent to tax and the balance to rate, recent changes in the overall program reflects a likely shift to a more balanced approach. A more comprehensive review will be undertaken in 2008. For 2008, the allocation rate is 68 per cent water and 32 per cent tax.

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The following table summarizes the capital plan for 2008. There are capital carry forwards totalling \$7.1 million as of July 31, 2007. The special levy for global warming, watershed and infrastructure-related capital program is fully remitted to the CAs by year end; as a result, all non Greenland Securement funds will be paid in full by end of year, leaving less than \$17.0 thousand to be carried forward to 2008 for Land Securement.

<b>Carry –Forward from 2007 \$'000</b>	<b>2008 New Capital \$'000</b>	<b>2008 # of New Projects</b>	<b>Total Capital Available \$'000</b>	<b>2009 – 2017 Forecast \$'000</b>	<b>2009 - 2017 # of New Projects</b>
<b>\$17</b>	<b>\$17,925</b>	<b>57</b>	<b>\$17,942</b>	<b>\$211,371</b>	<b>53</b>

In order to maintain the status of the CAs capital projects, the projects remain on the active list until the projects are fully remitted and completed. The CAs advise staff when the projects are ready for closure. To date there are 3 capital projects from 2005, 7 capital projects from 2006 and 58 capital projects from 2007 currently active.

### Section IX. 2008 Summary:

<b>Budget Summary \$'000s</b>	<b>2007 Budget</b>	<b>2007 Projection</b>	<b>2008 Proposed</b>	<b>2009 Forecast</b>	<b>2010 Forecast</b>
<b>Current Budget – Total Expenditures</b>	<b>\$4,238</b>	<b>\$4,238</b>	<b>\$7,709</b>	<b>\$7,972</b>	<b>\$8,023</b>
<b>Current Budget – Total Revenue</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Current Budget – Net Cost</b>	<b>\$4,238</b>	<b>\$4,238</b>	<b>\$7,709</b>	<b>\$7,972</b>	<b>\$8,023</b>
<b>FTE</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Capital Carry Forward from prior year</b>			<b>\$17</b>	<b>\$0</b>	<b>\$0</b>
<b>New Capital</b>			<b>\$17,925</b>	<b>\$23,677</b>	<b>\$23,649</b>
<b>Total Capital Available</b>			<b>\$17,942</b>	<b>\$23,677</b>	<b>\$23,649</b>
<b>Forecasted Capital Spending</b>			<b>\$17,942</b>	<b>\$23,677</b>	<b>\$23,649</b>

#### *Future Outlook:*

##### 2009 and 2010 Current Budget:

The current budget will increase approximately three per cent annually for the grant portion. The reserve contribution portion is projected to remain constant.

The current three-year forecast is outlined below.

2008: \$7.71 million  
 2009: \$7.97 million  
 2010: \$8.02 million

2009-2017 Capital Plan:

The capital plan for 2009-2017 consists of ongoing projects for a total of \$211.4 million. This is a significant increase from the ten year plan proposed within the 2007 Capital Program.

***Service Level Contract for 2008:***

Resources:

The gross expense for Conservation Authorities is \$23.7 million in 2008. This represents an increase of \$6.8 million over 2007. The increase will be funded through a 0.5% increase in the tax rate equivalent to \$3.5 million and a 3 % increase in the water rate equivalent to \$3.3 million.

Based on the 2008 budget requests \$24.6 million will be the cost of Conservation Authorities in 2008.

Outputs/Outcomes:

<b>Output/Outcome Measure</b>	<b>2007 Target</b>	<b>2007 Projection</b>	<b>Variance Commentary</b>	<b>2008 Target</b>
Percentage of Capital Projects completed within year requested	90%	50%	Capital close-out requests are not being reported to the Region on a timely basis	90%

**Section X. Pressures not included in 2008 Budget:**

With the new Public Sector Accounting Board (PSAB) reporting guidelines relating to Tangible Capital Assets, the CAs have not allocated any resources in the budgets to fund the evaluation of the inventory and meet reporting requirements. There may be a funding request in the next year or two. The Authorities will seek to work with the Region to ensure efficiency and consistency in the development of the policies and procedures associated with this issue.

Upon the completion of the SSBP, there may be pressures or reductions that are the final outcome. The result is not known at this time. At this point in time, there is a definite area of need in the reserves to fund the plan as it now stands. Even with a significant contribution increase in 2008, the reserve has been continually declining in the past few years. Without a change to the capital plan, the level of reserve contributions is anticipated to increase by \$5.0 million starting in 2009 in order to sustain the ten year capital plan.

Credit Valley Conservation Authorities Capital Budget requests excludes \$7.9 million required over 2008/2009 timeframe for purposes of expanding CVCA headquarters space. Staff are proposing that Council consider treating the expansion as a “loan” which will be funded over a reasonable number of years. Options will be discussed in the context of 2008 budget deliberations.

**Appendices:**

<b>Appendix I</b>	<b>2008 Current Pressures</b>
<b>Appendix II</b>	<b>2008 Capital Overview</b>
<b>Appendix III</b>	<b>Existing Capital Project List</b>
<b>Appendix IV</b>	<b>2008 New Capital Detail</b>
<b>Appendix V</b>	<b>Ten Year Capital Plan</b>
<b>Appendix VI</b>	<b>Performance Measures/Benchmarks – N/A</b>
<b>Appendix VII</b>	<b>Staffing Information – N/A</b>
<b>Appendix VIII</b>	<b>User Fees – N/A</b>

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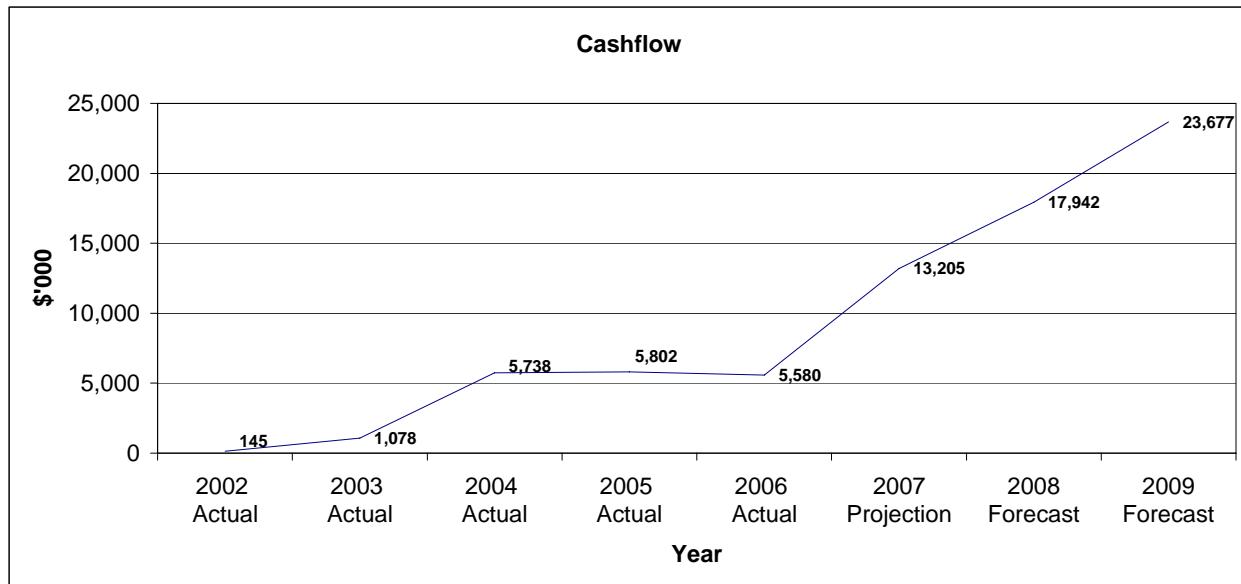
**APPENDIX I  
CONSERVATION AUTHORITIES  
2008 CURRENT PRESSURES (\$'000)**

	Conservation Authorities		
	Total Expenditures	Total Revenue	Net Cost
<b>2007 Revised Cost of Service</b>	<b>4,238</b>	-	<b>4,238</b>
<b>Annualizations - Section IV - N/A</b>			
<i>Subtotal</i>	-	-	-
<b>Cost of Living Increase/Inflation - Section IV</b>			
General Levy Increase	884	-	884
<i>Subtotal</i>	884	-	884
<b>Efficiencies - Section V - N/A</b>			
<i>Subtotal</i>	-	-	-
<b>Recoveries - Section V</b>			
<i>Subtotal</i>	-	-	-
<b>2008 Base Changes</b>	<b>884</b>	<b>-</b>	<b>884</b>
<b>Growth - Section VII - N/A</b>			
<i>Subtotal</i>	-	-	-
<b>Service Demand - Section VII</b>			
Contribution to Capital Reserve to Fund Capital Program	5,900	-	5,900
<i>Subtotal</i>	5,900	-	5,900
<b>Subsidy and Fee Changes - Section VII - N/A</b>			
<i>Subtotal</i>	-	-	-
<b>Other - Section VII - N/A</b>			
<i>Subtotal</i>	-	-	-
<b>2008 New Pressures</b>	<b>5,900</b>	<b>-</b>	<b>5,900</b>
<b>Total 2008 Pressures</b>	<b>6,784</b>	<b>-</b>	<b>6,784</b>
<b>2008 Recommended Cost of Service</b>	<b>11,022</b>	<b>-</b>	<b>11,022</b>
Increased recovery from Water Rate to fund General Levy and Capital Program	(3,313)		(3,313)
	<b>7,709</b>		<b>7,709</b>

**APPENDIX II  
CONSERVATION AUTHORITIES  
2008 CAPITAL OVERVIEW**

Existing Capital Conservation Authorities (\$'000)							
Year of Projects	Carry-forward from 2006	2007 Budget	Total Approved Capital	In-Year Adjustments as at July 31, 2007	2007 Projected Spending (Includes Closed Projects)	2007 Carry-forward to 2008	# of Projects Carry-forward to 2008
2002	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0
2005	0	0	0	0	0	3	3
2006	1,000	0	1,000	0	983	7	7
2007	0	12,219	12,219	3	12,222	58	58
<b>Total</b>	<b>1,000</b>	<b>12,219</b>	<b>13,219</b>	<b>3</b>	<b>13,205</b>	<b>68</b>	<b>68</b>

2008 - 2017 Capital Plan (\$'000)						
Carry-forward from 2007	2008 Budget	2008 # of New Projects	Total Capital Available	2008 Total of Projects	#	2009 - 2017 Forecast
17	17,925	57	17,942	125		211,371



**Commentary on Cash Flow Variance:**

Due to the Conservation Authority Act, the general levy and the special levy are received by the Region. The full amount of the levies are disbursed within the year requested. One category of capital projects is managed by the Region. These are the projects in relation to Land Securement which is disbursed by recommendation to Council from the Greenland Securement Subcommittee. These land related projects are disbursed upon approval and closing of individual land agreements which may be carried forward to following fiscal years.

**APPENDIX III  
CONSERVATION AUTHORITIES  
EXISTING CAPITAL PROJECT LIST**

As of July 31, 2007

Project	Description	Gross Revised Budget	Gross Project Actuals	Gross Carry-Forward	Net Revised Budget	Net Project Actuals	Net Carry-Forward	Net % Spent
053303	TRCA Camp Cons Imprv 04-1280	600,000	600,000	-	600,000	600,000	-	100%
053305	TRCA Washroom Upg 04-1280	100,000	100,000	-	100,000	100,000	-	100%
053309	Living City Ctr Kortri 04-1280	33,461	33,461	-	33,461	33,461	-	100%
061615	TRCA Flood Cntl Wks 05-1496	146,000	146,000	-	146,000	146,000	-	100%
061625	CVC Bmpt Effect Mon 05-1496	94,000	94,000	-	94,000	94,000	-	100%
061631	CVC Mapping Update 05-1496	306,000	306,000	-	306,000	306,000	-	100%
061639	CVC Subwatersheds 05-1496	429,000	429,000	-	429,000	429,000	-	100%
061640	CVC Peel Rural Wat 05-1496	54,000	54,000	-	54,000	54,000	-	100%
061660	TRCA Watershed Plang 05-1496	221,300	221,300	-	221,300	221,300	-	100%
061670	CVC Watershed Monitor 05-1496	321,000	321,000	-	321,000	321,000	-	100%
061686	TRCA Nat Her Regen 05-1496	833,900	833,900	-	833,900	833,900	-	100%
061697	CVC Green Cities Init 05-1496	94,000	94,000	-	94,000	94,000	-	100%
063103	CVC InfraS Mntce/Upg 05-1496	422,000	422,000	-	422,000	422,000	-	100%
063106	CVC Comm Edu/Outreach 05-1496	141,000	141,000	-	141,000	141,000	-	100%
063150	CVC Office Renov 05-1496	351,000	351,000	-	351,000	351,000	-	100%
063201	CH Cap Wks Gen 05-1496	42,000	42,000	-	42,000	42,000	-	100%
063303	TRCA CampG Conserv 05-1496	470,000	470,000	-	470,000	470,000	-	100%
063305	TRCA Heart Lake Conserv 05-1496	250,000	250,000	-	250,000	250,000	-	100%
063310	Conservat. Land Secur. 05-1496	1,000,000	-	1,000,000	1,000,000	-	1,000,000	
071615	TRCA - Flood Control Works	221,000	110,500	110,500	221,000	110,500	110,500	50%
071620	TRCA - Environmental Assessmen	200,000	100,000	100,000	200,000	100,000	100,000	50%
071625	CVC - Brampton Effectiveness M	142,000	71,000	71,000	142,000	71,000	71,000	50%
071631	CVC - Mapping Updates	247,000	123,500	123,500	247,000	123,500	123,500	50%
071632	TRCA - Groundwater Management	100,000	50,000	50,000	100,000	50,000	50,000	50%
071639	CVC - Subwatershed Studies	377,000	188,500	188,500	377,000	188,500	188,500	50%
071640	CVC - Peel Rural Water Quality	20,000	10,000	10,000	20,000	10,000	10,000	50%
071650	TRCA - Terrestrial Natural Her	100,000	50,000	50,000	100,000	50,000	50,000	50%
071660	TRCA - Watershed/Subwatershed	282,000	141,000	141,000	282,000	141,000	141,000	50%
071670	CVC - Watershed Monitoring	322,000	161,000	161,000	322,000	161,000	161,000	50%
071686	TRCA - Natural Heritage Regene	1,000,000	500,000	500,000	1,000,000	500,000	500,000	50%
071690	TRCA - Sustainable Communities	374,000	187,000	187,000	374,000	187,000	187,000	50%
071696	TRCA - Regional Watershed Moni	299,000	149,500	149,500	299,000	149,500	149,500	50%
071697	CVC - Green Cities Initiative	54,000	27,000	27,000	54,000	27,000	27,000	50%
071699	CVC - Credit River Water Manag	375,000	187,500	187,500	375,000	187,500	187,500	50%
073103	CVC - Infrastructure maintenanc	589,000	294,500	294,500	589,000	294,500	294,500	50%
073106	CVC - Community Education and	172,000	86,000	86,000	172,000	86,000	86,000	50%
073150	CVC - Office Infrastructure	1,432,000	716,000	716,000	1,432,000	716,000	716,000	50%
073201	CH Capital Works General	39,000	19,500	19,500	39,000	19,500	19,500	50%
073301	TRCA - Major Facilities Retrof	56,666	28,222	28,444	56,666	28,222	28,444	50%
073302	TRCA - Public Use Infrastructu	33,999	16,833	17,166	33,999	16,833	17,166	50%
073303	TRCA - CAMPGROUND AND CONS	456,000	228,000	228,000	456,000	228,000	228,000	50%
073305	TRCA - Washroom Upgrades	100,000	50,000	50,000	100,000	50,000	50,000	50%
073306	TRCA - Conservation Land Plann	150,000	75,000	75,000	150,000	75,000	75,000	50%
073307	TRCA - DATA MANAGEMENT AND	45,333	22,611	22,722	45,333	22,611	22,722	50%
073309	TRCA - Living City Centre at K	34,977	17,326	17,651	34,977	17,326	17,651	50%
073401	CVC - Environmental Education	150,000	75,000	75,000	150,000	75,000	75,000	50%
073402	TRCA - EcoSchools - Program Ex	125,000	62,500	62,500	125,000	62,500	62,500	50%
073403	TRCA - Community Transformatio	145,000	72,500	72,500	145,000	72,500	72,500	50%
073404	TRCA - Albion Hills Field Cent	150,000	75,000	75,000	150,000	75,000	75,000	50%
073405	CVC - Conservation Youth Corps	200,000	100,000	100,000	200,000	100,000	100,000	50%
073406	CVC - Nursery Development	300,000	150,000	150,000	300,000	150,000	150,000	50%
073407	CVC - Peel Rural Non-Farm Envi	26,000	13,000	13,000	26,000	13,000	13,000	50%
073408	CVC - Peel Rural Farm Environm	50,000	25,000	25,000	50,000	25,000	25,000	50%
073409	CVC - Aquatic and Wetland Habi	40,000	20,000	20,000	40,000	20,000	20,000	50%
073410	CVC - Terrestrial Ecosystem En	80,000	40,000	40,000	80,000	40,000	40,000	50%
073411	CVC - Terrestrial Monitoring I	30,000	15,000	15,000	30,000	15,000	15,000	50%
073412	CVC - Protection/Preservation	250,000	125,000	125,000	250,000	125,000	125,000	50%
073413	TRCA - Green Building Councils	50,000	25,000	25,000	50,000	25,000	25,000	50%
073414	TRCA - Archetype Sustainable H	80,000	40,000	40,000	80,000	40,000	40,000	50%

**APPENDIX III  
CONSERVATION AUTHORITIES  
EXISTING CAPITAL PROJECT LIST**

As of July 31, 2007

Project	Description	Gross Revised Budget	Gross Project Actuals	Gross Carry-Forward	Net Revised Budget	Net Project Actuals	Net Carry-Forward	Net % Spent
073415	TRCA - Web Based Learning	50,000	25,000	25,000	50,000	25,000	25,000	50%
073416	TRCA - Pearson Business EcoPar	100,000	50,000	50,000	100,000	50,000	50,000	50%
073417	TRCA - Claireville Ecosystem I	550,000	275,000	275,000	550,000	275,000	275,000	50%
073418	TRCA - Bolton/North Peel Conse	100,000	50,000	50,000	100,000	50,000	50,000	50%
073419	TRCA - Terrestrial Recovery PI	50,000	25,000	25,000	50,000	25,000	25,000	50%
073420	TRCA - Centreville Creek Regen	100,000	50,000	50,000	100,000	50,000	50,000	50%
073421	TRCA - Watershed Response Plan	90,000	45,000	45,000	90,000	45,000	45,000	50%
073422	TRCA - Hydrometrics/Real Time	140,000	70,000	70,000	140,000	70,000	70,000	50%
073423	TRCA - Water Balance Guideline	240,000	120,000	120,000	240,000	120,000	120,000	50%
073424	TRCA - Stormwater Management P	130,000	65,000	65,000	130,000	65,000	65,000	50%
073425	TRCA - Dam Wing Wall Maintenanc	100,000	50,000	50,000	100,000	50,000	50,000	50%
073426	TRCA - Mimico Creek Restoratio	150,000	75,000	75,000	150,000	75,000	75,000	50%
073427	TRCA - Headwaters - Small Trib	50,000	25,000	25,000	50,000	25,000	25,000	50%
073428	TRCA - Erosion Site, Etobicoke	100,000	50,000	50,000	100,000	50,000	50,000	50%
073429	CVC - Urban Watershed restorat	699,000	349,500	349,500	699,000	349,500	349,500	50%
073430	CVC - Emergency Preparedness a	375,000	187,500	187,500	375,000	187,500	187,500	50%
073431	CVC - Impact Monitoring	300,000	150,000	150,000	300,000	150,000	150,000	50%
	Prot to Per Conserv Active	<u>18,130,636</u>	<u>11,019,153</u>	<u>7,111,483</u>	<u>18,130,636</u>	<u>11,019,153</u>	<u>7,111,483</u>	<u>61%</u>
	Prot to Pers Conserv Comp 2	-	-	-	-	-	-	-
<b>Total</b>		<b>\$ 18,130,636</b>	<b>\$ 11,019,153</b>	<b>\$ 7,111,483</b>	<b>\$ 18,130,636</b>	<b>\$ 11,019,153</b>	<b>\$ 7,111,483</b>	<b>61%</b>

APPENDIX IV  
 CONSERVATION AUTHORITIES  
 2008 NEW CAPITAL DETAIL

**2008 Financing Sources and Funding Status (\$'000)**

2008 Funding Status:

Approved or Pending

(A/P)



Project #

Project Name

Ward

2008			
<u>Total</u>	<u>Funding</u>		
<u>Expense</u>	<u>External</u>	<u>Internal</u>	<u>DCA</u>

Global Warming/Climate Change Mitigation							
A	08-3401	CVC ENVIRONMENTAL EDUCATION AND OUTREACH	Peel	462	0	462	0
A	08-3402	CVC URBAN SUBWATERSHED RESTORATION PROJECTS	Peel	1,413	0	1,413	0
A	08-3403	CVC RURAL WATERSHED RESTORATION PROJECTS	Peel	74	0	74	0
A	08-3404	CVC EMERGENCY PREPAREDNESS	Peel	408	0	408	0
A	08-3405	CVC URBAN WATERSHED IMPACT MONITORING	Peel	325	0	325	0
A	08-3406	CVC STEWARDSHIP/NATURAL HERITAGE ECOSYSTEM	PEEL	1,989	0	1,989	0
A	08-3407	CVC LANDS CORE 10 ECOSYSTEMS PROJECTS	PEEL	350	0	350	0
A	08-3416	TRCA PEARSON ECO-PARK/GTAA	Peel	150	0	150	0
A	08-3417	TRCA CLAIREVILLE COMMUNITY GREENSPACE	Peel	250	0	250	0
A	08-3418	TRCA FLOOD CHANNEL RESTORATION AND REMEDIAL CAPITAL WORKS	Peel	250	0	250	0
A	08-3419	TRCA PEEL SPILLS PREVENTION AND RESPONSE	Peel	50	0	50	0

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**2008 Financing Sources and Funding Status (\$'000)**

2008 Funding Status:

Approved or Pending

(A/P)



<u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	2008			
			<u>Total Expense</u>	<u>External Funding</u>	<u>Internal Funding</u>	<u>DCA</u>
A 08-3420	TRCA CENTREVILLE CREEK IMPLEMENTATION	Peel	100	0	100	0
A 08-3421	TRCA WATERSHED RESPONSE PLANS	Peel	50	0	50	0
A 08-3422	TRCA CLAIREVILLE RESERVOIR MAINTENANCE STUDY	Peel	60	0	60	0
A 08-3423	TRCA WATER BALANCE	Peel	20	0	20	0
A 08-3424	TRCA STORMWATER MANAGEMENT POND RETROFITS	Peel	75	0	75	0
A 08-3425	TRCA EROSION AND REMEDIAL CAPITAL WORKS	Peel	500	0	500	0
A 08-3426	TRCA AUDUBON CERTIFICATION FOR PARKS	Peel	150	0	150	0
A 08-3427	TRCA HEADWATER SMALL TRIBUTARIES GUIDELINES	Peel	60	0	60	0
A 08-3428	TRCA STEWARDSHIP PARTNERSHIP SERVICES	Peel	150	0	150	0
A 08-3429	TRCA HABITAT RESTORATION	Peel	1,440	0	1,440	0
A 08-3430	TRCA URBAN CANOPY	Peel	70	0	70	0

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**2008 Financing Sources and Funding Status (\$'000)**

2008 Funding Status:

Approved or Pending

(A/P)

↓ <u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	2008			
			<u>Total Expense</u>	<u>Funding</u>		<u>DCA</u>
			<u>External</u>	<u>Internal</u>		
A 08-3431	TRCA ALBION HILLS ENVIRONMENTAL WEEKS	PEEL	75	0	75	0
A 08-3432	TRCA SUSTAINABLE NEIGHBOURHOOD RETROFIT ACTION PLAN - PEEL/HUMBER	PEEL	50	0	50	0
A 08-3433	TRCA SUSTAINABLE COMMUNITIES PROJECTS	PEEL	100	0	100	0
A 08-3434	TRCA CLIMATE CHANGE SCIENCE APPLICATION AND TRAINING	PEEL	150	0	150	0
A 08-3435	TRCA COMMUNICATIONS/MARKETING PROJECTS	PEEL	50	0	50	0
A 08-3436	TRCA ECOSCHOOL PROJECTS	Peel	285	0	285	0
A 08-3437	TRCA COMMUNITY TRANSFORMATION PROGRAMS	Peel	250	0	250	0
A 08-3438	TRCA SUSTAINABLE TECHNOLOGIES, CLEAN WATER AND ENERGY	Peel	70	0	70	0
A 08-3439	TRCA ALBION FIELD CENTRE RENOVATIONS	Peel	250	0	250	0
Studies, monitoring & works						
A 08-1615	TRCA - FLOOD CONTROL WORKS	PEEL	267	0	267	0
A 08-1620	TRCA - CLASS ENVIRONMENTAL ASSESSMENTS & PERMITS	PEEL	210	0	210	0

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**2008 Financing Sources and Funding Status (\$'000)**

2008 Funding Status:

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(A/P)



<u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	2008			
			<u>Total Expense</u>	<u>External Funding</u>	<u>Internal Funding</u>	<u>DCA</u>
A 08-1625	CVC - BRAMPTON EFFECTIVENESS MONITORING	PEEL	208	0	208	0
A 08-1631	CVC MAPPING UPDATES	Peel	217	0	217	0
A 08-1632	TRCA - YORK/PEEL/DURHAM/TORONTO GROUNDWATER STUDIES	PEEL	125	0	125	0
A 08-1639	CVC SUBWATERSHED STUDIES	Peel	204	0	204	0
A 08-1640	CVC PEEL RURAL WATER QUALITY	PEEL	59	0	59	0
A 08-1650	TRCA - TERRESTRIAL NATURAL HERITAGE PROGRAM	PEEL	121	0	121	0
A 08-1660	TRCA - WATERSHED/SUBWATERSHED PLANNING	PEEL	278	0	278	0
A 08-1670	CVC WATERSHED MONITORING	PEEL	334	0	334	0
A 08-1686	TRCA - NATURAL HERITAGE REGENERATION PROJECTS	PEEL	1,145	0	1,145	0
A 08-1690	TRCA - SUSTAINABLE COMMUNITIES	PEEL	604	0	604	0
A 08-1696	TRCA - REGIONAL WATERSHED MONITORING AND REPORTING	PEEL	285	0	285	0

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 2008 NEW CAPITAL DETAIL

**2008 Financing Sources and Funding Status (\$'000)**

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(A/P)



<u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	<u>2008</u>			
			<u>Total Expense</u>	<u>External Funding</u>	<u>Internal Funding</u>	<u>DCA</u>
A 08-1697	CVC PEEL GREEN CITIES INITIATIVE	PEEL	247	0	247	0
A 08-1699	CVC CREDIT RIVER WATER MANAGEMENT STRATEGY	Peel	198	0	198	0
<b>Infrastructure &amp; Administration</b>						
A 08-3103	CVC INFRASTRUCTURE MAINTENANCE AND UPGRADES	Peel	1,153	0	1,153	0
A 08-3201	CH CAPITAL WORKS GENERAL	Peel	20	0	20	0
A 08-3301	TRCA - MAJOR FACILITIES RETROFIT	PEEL	68	0	68	0
A 08-3302	TRCA - PUBLIC USE INFRASTRUCTURE	PEEL	41	0	41	0
A 08-3303	TRCA - CAMPGROUND AND CONSERVATION AREA IMPROVEMENTS	PEEL	562	0	562	0
A 08-3305	TRCA - WASHROOM UPGRADES	PEEL	100	0	100	0
A 08-3306	TRCA - CONSERVATION LAND PLANNING	PEEL	235	0	235	0
A 08-3307	TRCA - DATA MANAGEMENT AND INFORMATION TECHNOLOGY	PEEL	45	0	45	0
A 08-3308	TRCA - CONSERVATION LANDS ASSET MANAGEMENT	PEEL	848	0	848	0

APPENDIX IV  
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**2008 Financing Sources and Funding Status (\$'000)**

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 Approved or Pending

(A/P)



<u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	2008			
			<u>Total Expense</u>	<u>Funding External</u>	<u>Funding Internal</u>	<u>DCA</u>
A 08-3309	TRCA - LIVING CITY CENTRE AT KORTRIGHT	PEEL	175	0	175	0
A 08-3310	CONSERVATION LAND SECUREMENT	Peel	500	0	500	0
<i>Totals for Budget Year: 2008</i>			17,925	0	17,925	0

**APPENDIX V**  
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**TEN YEAR CAPITAL PLAN**

**Ten Year Combined Capital Program (\$'000)**

<u>Sub Type</u>	<u>Description</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>Yrs 6-10</u>	<u>Gross</u>
<b>Global Warming/Climate Change Mitigation</b>								
Conservation Authorities projects relating to Global Warming and Climate Change								
<b>08-3401</b>	<b>CVC ENVIRONMENTAL EDUCATION AND OUTREACH</b> EDUCATIONAL PROGRAM TO ENGAGE APPROPRIATE AUDIENCES TO SEEK SOLUTIONS TO CHALLENGES ASSOCIATED WITH UNSUSTAINABLE URBAN DEVELOPMENT AND RURAL LAND USE.	462	616	652	727	749	4,093	7,299
<b>08-3402</b>	<b>CVC URBAN SUBWATERSHED RESTORATION PROJECTS</b> CLIMATE CHANGE ISSUES INCLUDING URBAN SUBWATERSHED STUDIES, CREDIT RIVER WATER MANAGEMENT STRATEGY UPDATE (CRWMSU) IMPLEMENTATION PILOT SITE PROJECTS, CRWMSU IMPLEMENTATION OF POLICIES/PROGRAMS/WORKING GROUPS, CRWMSU URBAN SUPPORT TOOLS AND SUSTAINABLE FUTURE WORKSHOPS.	1,413	1,575	2,009	2,104	2,397	13,112	22,610
<b>08-3403</b>	<b>CVC RURAL WATERSHED RESTORATION PROJECTS</b> CLIMATE CHANGE ISSUES WITH RESPECT TO RURAL LANDSCAPE INCLUDING DEVELOPMENT SUPPORT TOOLS, IDENTIFYING HOTSPOTS AND WORK WITH THE LOCAL MUNICIPALITIES AND THE REGION OF PEEL TO DEVELOP EDUCATIONAL AND RESTORATION PLANS.	74	132	151	156	161	880	1,554
<b>08-3404</b>	<b>CVC EMERGENCY PREPAREDNESS</b> THIS PROJECT INCLUDES ACTIVITIES RELATED TO FLOOD FORECASTING & WARNING, CLIMATE CHANGE MONITORING, CLIMATE CHANGE MODELING, SPILL MANAGEMENT STRATEGY.	408	494	546	563	580	3,172	5,763

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**Ten Year Combined Capital Program (\$'000)**

<u>Sub Type</u>	<u>Description</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>Yrs 6-10</u>	<u>Gross</u>
<b>08-3405</b>	<b>CVC URBAN WATERSHED IMPACT MONITORING</b> THIS PROJECT MONITORS A MORE LOCAL SUBWATERSHED AREA IN ORDER TO DETERMINE CAUSE AND EFFECT RELATIONSHIPS IN A DETERIORATED NATURAL SYSTEM .	325	361	421	434	447	2,444	4,432
<b>08-3406</b>	<b>CVC STEWARDSHIP/NATURAL HERITAGE ECOSYSTEM</b> THESE PROJECTS INCLUDE REGIONALLY FOCUSED COMMUNITY OUTREACH, PEEL RURAL FARM AND NON FARM ACTIVITIES, LAKE ONTARIO SHORELINE ECOSYSTEM MANAGEMENT, CVC YOUTH CORPS, PLANT NURSERY RELOCATION, AQUATIC AND WETLAND RESTORATION, NATURAL HERITAGE PROGRAM, TERRESTRIAL ECOSYSTEM MODEL FOR URBAN AREAS AND IMPACT MONITORING.	1,989	4,250	3,779	3,506	3,584	19,439	36,547
<b>08-3407</b>	<b>CVC LANDS CORE 10 ECOSYSTEMS PROJECTS</b> CVC'S CORE 10 CONSERVATION AREAS EXHIBIT THE MOST SIGNIFICANT USE OF CVC'S CONSERVATION AREAS AND ADAPTIVE MANAGEMENT MUST BE APPLIED TO MONITOR AND EVALUATE THIS USE.	350	550	600	618	637	3,482	6,237
<b>08-3416</b>	<b>TRCA PEARSON ECO-PARK/GTAA</b> THE DEVELOPMENT OF CANADA'S LARGEST ECO-INDUSTRIAL PARK IN PARTNERSHIP WITH THE GREATER TORONTO AIRPORTS AUTHORITY TO PROVIDE A PLANNING AND IMPLEMENTATION STRUCTURE TO ENABLE THE ICI SECTOR SURROUNDING TORONTO PEARSON TO ACHIEVE IMPROVED FINANCIAL AND ENVIRONMENTAL PERFORMANCE.	150	250	300	300	300	1,500	2,800

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**Ten Year Combined Capital Program (\$'000)**

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<b>08-3417</b>	<b>TRCA CLAIREVILLE COMMUNITY GREENSPACE</b> TO PROMOTE THE EFFECTS OF CLIMATE CHANGE UTILIZING CLAIREVILLE CONSERVATION AREA AS A LIVING CITY CLASSROOM. DEMONSTRATE AND PROMOTE A GREATER UNDERSTANDING OF THE NATURAL AND CULTURAL VALUES OF THE LAND AND WATER, THEIR PROTECTION AND MANAGEMENT REQUIREMENTS, AND THEIR SIGNIFICANCE, SENSITIVITIES AND INTER-RELATIONSHIPS WITH BUILDING A HEALTHY COMMUNITY.	250	240	50	50	50	250	890
<b>08-3418</b>	<b>TRCA FLOOD CHANNEL RESTORATION AND REMEDIAL CAPITAL WORKS</b> IDENTIFICATION OF CHANNELIZED SECTIONS OF WATERCOURSE WITHIN THE ETOBICOKE CREEK, MIMICO CREEK AND HUMBER RIVER WATERSHEDS AND THE DEVELOPMENT OF AN INVENTORY DATABASE WITH A QUERY PROCESS TOOL THAT WILL DETERMINE PRIORITY REACHES FOR NATURALIZATION.	250	300	700	360	810	3,930	6,350
<b>08-3419</b>	<b>TRCA PEEL SPILLS PREVENTION AND RESPONSE</b> THE DEVELOPMENT AND IMPLEMENTATION OF A WEB-BASED FIRST RESPONDER TOOL FOR SPILL RESPONSES IN THE REGION OF PEEL AND AN ENHANCED GEO-REFERENCED SPILL DATABASE.	50	50	0	0	0	0	100

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**Ten Year Combined Capital Program (\$'000)**

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08-3420	<b>TRCA CENTREVILLE CREEK IMPLEMENTATION</b> THE FOCUS IS ON DELIVERING HABITAT RESTORATION PROJECTS WITHIN TARGETED AREAS OF CENTERVILLE CREEK ON PRIVATE LAND WITH A FOCUS ON INCREASING THE WETLAND, WOODLANDS AND RIPARIAN COVER WITHIN THE CENTERVILLE CREEK SUBWATERSHED.	100	100	200	200	200	1,400	2,200
08-3421	<b>TRCA WATERSHED RESPONSE PLANS</b> REVISIT EXISTING WATERSHED RESPONSE PLANS AND UPDATE WITH NEW INFORMATION AND UPDATED PLANS. COMPONENTS INCLUDE: REVIEW OF HISTORICAL RAINFALL AND STREAM GAUGE DATA; DESCRIPTION OF FLOOD VULNERABLE AREAS AND ROADS; CONTINUOUS SIMULATION MODEL TO ASSESS WATERSHED RESPONSE; TRAINING.	50	50	0	0	0	55	155
08-3422	<b>TRCA CLAIREVILLE RESERVOIR MAINTENANCE STUDY</b> A HYDROGRAPHIC SURVEY OF SEDIMENT LEVELS AT THE BOTTOM OF THE CLAIREVILLE DAM RESERVOIR IS REQUIRED. RECOMMENDATIONS FOR MANAGING THE SEDIMENT LOAD AND COST ESTIMATES ASSOCIATED WITH REMEDIAL WORK IS ALSO REQUIRED.	60	0	0	0	0	0	60
08-3423	<b>TRCA WATER BALANCE</b> A COMPREHENSIVE AND EASY TO USE MODELLING TOOL FOR WATER BALANCE ASSESSMENT AND THE PLANNING, DESIGN, AND IMPLEMENTATION OF LOW IMPACT DEVELOPMENT PRACTICES SUCH AS GREEN ROOFS, RAINWATER HARVESTING, PERMEABLE PAVEMENT, ETC.	20	20	0	0	0	0	40

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<b>08-3424</b>	<b>TRCA STORMWATER MANAGEMENT POND RETROFITS</b> ETOBICOKE CREEK, MIMICO CREEK AND HUMBER RIVER WATERSHEDS. RETROFIT TO IMPROVE WATER QUALITY TREATMENT BY UPGRADING EXISTING SWM FACILITIES TO MEET MOE POND DESIGN GUIDELINES.	75	600	158	600	165	1,883	<b>3,481</b>
<b>08-3425</b>	<b>TRCA EROSION AND REMEDIAL CAPITAL WORKS</b> IMPLEMENTATION OF MAJOR MAINTENANCE WORKS TO FAILING/FAILED EROSION CONTROL STRUCTURES AS IDENTIFIED THROUGH THE 2007 EROSION CONTROL MONITORING PROGRAM RELATED TO ETOBICOKE AND MIMICO CREEKS AND THE HUMBER RIVER WATERSHEDS.	500	500	600	600	600	3,400	<b>6,200</b>
<b>08-3426</b>	<b>TRCA AUDUBON CERTIFICATION FOR PARKS</b> TRCA TO BECOME A LEADER IN CRAFTING AND PROMOTING THE AUDUBON COOPERATIVE SANCTUARY PROGRAM IN CANADA FOR NATURE BASED RECREATIONAL PARKS. TRCA WILL STRIVE TO IMPLEMENT BEST MANAGEMENT PRACTICES IN FOUR ACTION AREAS; ENVIRONMENTAL PLANNING INCLUDING NATURAL HERITAGE PRESERVATION AND ENERGY CONSERVATION; WATER CONSERVATION; WILDLIFE AND HABITAT MANAGEMENT; OUTREACH AND EDUCATION.	150	250	400	300	200	350	<b>1,650</b>
<b>08-3427</b>	<b>TRCA HEADWATER SMALL TRIBUTARIES GUIDELINES</b> CONDUCT RESEARCH IN HEADWATER DRAINAGES OF THE HUMBER RIVER AND DUFFINS CREEK; FINDINGS APPLICABLE TO MANY CONSERVATION AUTHORITIES INCLUDING TRCA AND CVC.	60	30	0	0	0	0	<b>90</b>

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**Ten Year Combined Capital Program (\$'000)**

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<b>08-3428</b>	<b>TRCA STEWARDSHIP PARTNERSHIP SERVICES</b> STRATEGIC PROMOTION OF A CONSISTENT MESSAGE TO RESIDENTS WITHIN PEEL REGION WITH PARTNERSHIPS BETWEEN THE REGION OF PEEL, CVC AND TRCA. TO INCLUDE THE FOLLOWING COMPONENTS: ENHANCED PRIVATE LAND OWNER CONTACT; ENHANCED MULTICULTURAL ENVIRONMENTAL STEWARDSHIP; ENHANCED WATERSHED ON WHEELS EDUCATION; ENHANCED HEALTHY YARDS PROGRAM.	150	150	150	150	150	750	1,500
<b>08-3429</b>	<b>TRCA HABITAT RESTORATION</b> MEET TARGETS FOR NATURAL VEGETATION AND AQUATIC HABITATS TO ENSURE HEALTHY FORM AND FUNCTION OF NATURAL SYSTEMS.	1,440	1,395	1,885	1,635	1,530	8,895	16,780
<b>08-3430</b>	<b>TRCA URBAN CANOPY</b> A STRATEGY FOR MANAGING AND ENHANCING THE TREE CANOPY WITHIN URBANIZED PORTIONS OF THE REGION OF PEEL IN AN EFFORT TO MITIGATE AND ADAPT TO CLIMATE CHANGE OVER THE LONG-TERM.	70	25	0	0	0	0	95
<b>08-3431</b>	<b>TRCA ALBION HILLS ENVIRONMENTAL WEEKS</b> SUPPORT PROGRAM FOR CLASSES IN PEEL REGION SCHOOLS THAT FACE FINANCIAL AND ACADEMIC CHALLENGES. MATCHING FUNDS COMMITTED THROUGH PRIVATE FUNDING RAISED BY TRCA AND THE CONSERVATION FOUNDATION OF GREATER TORONTO.	75	75	100	100	200	0	550

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08-3432	<b>TRCA SUSTAINABLE NEIGHBOURHOOD RETROFIT ACTION PLAN - PEEL/HUMBER</b> DEVELOP AN ACTION PLAN FOR DEMONSTRATING AND IMPLEMENTING A SUITE OF SUSTAINABLE PRACTICES IN AN EXISTING URBAN NEIGHBOURHOOD AND FOSTER THE NECESSARY PARTNERSHIPS AMONG DIVERSE IMPLEMENTING GROUPS. SUSTAINABLE PRACTICES MAY INCLUDE TECHNOLOGIES, PROJECTS, PRACTICES, AND PROGRAMS.	50	150	125	250	250	1,250	2,075
08-3433	<b>TRCA SUSTAINABLE COMMUNITIES PROJECTS</b> PROMOTE GREEN BUILDINGS, SUSTAINABLE ECONOMIC VITALITY AND ENVIRONMENTAL HEALTH IN THE GTA/ WORLD GREEN BUILDING COUNCIL. DEVELOP AN ENERGY CONSERVATION FACILITY AS A MODEL TO MONITOR AND VERIFY THE EFFECTIVENESS OF SUSTAINABLE MATERIALS, SYSTEMS AND TECHNOLOGIES.	100	100	110	110	120	660	1,200
08-3434	<b>TRCA CLIMATE CHANGE SCIENCE APPLICATION AND TRAINING</b> TRCA'S WATER MANAGEMENT CLIMATE CHANGE AND ADAPTATION PROJECT WILL CONSIST OF A NUMBER OF INITIATIVES TO FURTHER THE UNDERSTANDING OF THE POTENTIAL HYDROLOGIC IMPACTS OF CLIMATE CHANGE ON FLOOD RISK, MUNICIPAL INFRASTRUCTURE AND WATER RESOURCES MANAGEMENT WITHIN PEEL.	150	150	0	0	0	0	300

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<b>08-3435</b>	<b>TRCA COMMUNICATIONS/MARKETING PROJECTS</b> THE TRCA WATER MANAGEMENT CLIMATE CHANGE AND ADAPTATION COMMUNICATIONS PLAN WILL PROMOTE AND MARKET THE INITIATIVES AND ACCOMPLISHMENTS OF THE TRCA WATER MANAGEMENT CLIMATE CHANGE AND ADAPTATION PLAN.	50	50	50	150	0	0	300
<b>08-3436</b>	<b>TRCA ECOSCHOOL PROJECTS</b> AN ENVIRONMENTAL EDUCATION PROGRAM TO BUILD STUDENT SUCCESS IN ACADEMICS AND TAKING ENVIRONMENTALLY RESPONSIBLE ACTION; MAKING A POSITIVE CONTRIBUTION TO THEIR SCHOOL COMMUNITY. IMPROVE SCHOOL OPERATIONS TO SAVE ENERGY AND MINIMIZE WASTE.	285	325	325	300	300	900	2,435
<b>08-3437</b>	<b>TRCA COMMUNITY TRANSFORMATION PROGRAMS</b> AN INITIATIVE UNDER THE SUSTAINABLE COMMUNITIES OBJECTIVE IN SUPPORT OF ACHIEVING THE LIVING CITY VISION WITH AN OBJECTIVE TO HELP COMMUNITY MEMBERS UNDERSTAND AND TAKE ACTION TOWARD SUSTAINABLE LIVING AND CITY BUILDING THAT IMPROVES THE QUALITY OF LIFE FOR RESIDENTS, BUSINESSES AND NATURE.	250	250	275	275	275	1,552	2,877

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<u>Sub Type</u>	<u>Description</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>Yrs 6-10</u>	<u>Gross</u>
08-3438	<b>TRCA SUSTAINABLE TECHNOLOGIES, CLEAN WATER AND ENERGY</b> THE CLEAN WATER COMPONENT OF THE SUSTAINABLE TECHNOLOGIES EVALUATION PROGRAM (STEP) MONITORS AND EVALUATES NEW OR INNOVATIVE TECHNOLOGIES THAT HELP CONSERVE AND PROTECT WATER RESOURCES, AND ADDRESS FUTURE IMPACTS RELATED TO A CHANGING CLIMATE.	70	150	150	160	160	877	1,567
08-3439	<b>TRCA ALBION FIELD CENTRE RENOVATIONS</b> MAJOR RENOVATION AND RETROFIT OF ALBION HILLS FIELD CENTRE TO ACCOMMODATE IMPROVED ENVIRONMENTAL EDUCATION PROGRAMS AND ACHIEVE A HIGH LEVEL OF ENVIRONMENTAL PERFORMANCE AND DURABILITY.	250	250	250	250	0	0	1,000
<b>10 Year Totals For: CAGLOBALWARMING</b>		<b>9,676</b>	<b>13,438</b>	<b>13,986</b>	<b>13,898</b>	<b>13,865</b>	<b>74,274</b>	<b>139,137</b>

**Studies, monitoring & works**

Conservation Authorities - Projects related to watershed quality and sustainability

08-1615	<b>TRCA - FLOOD CONTROL WORKS</b> THE FLOOD FORECASTING AND WARNING PROGRAM INVOLVES THE COMPLETION OF FIELD WORK, FLOOD RISK ASSESSMENT AND A PRELIMINARY COST-BENEFIT ANALYSIS IN ORDER TO PRIORITIZE LAND AREAS OR STRUCTURES REQUIRING REMEDIAL FLOOD PROTECTION WORKS AND/OR ACQUISITION IN ORDER TO MINIMIZE THE RISK TO PUBLIC SAFETY OR DAMAGE TO PROPERTY FROM FLOODING.	267	370	382	400	420	2,362	4,201
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**Ten Year Combined Capital Program (\$'000)**

<u>Sub Type</u>	<u>Description</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>Yrs 6-10</u>	<u>Gross</u>
<b>08-1620</b>	<b>TRCA - CLASS ENVIRONMENTAL ASSESSMENTS &amp; PERMITS</b> REVIEW AND COMMENT ON ENVIRONMENTAL ASSESSMENT ACT APPLICATIONS AND RELATED ONTARIO REGULATION 166/06 PERMIT APPLICATIONS AND FISHERIES ACT APPLICATIONS WHERE PEEL REGION IS THE PROPONENT.	210	210	220	220	230	1,230	2,320
<b>08-1625</b>	<b>CVC - BRAMPTON EFFECTIVENESS MONITORING</b> EVALUATE IN GREATER DETAIL SPECIFIC PRACTICES AND ASSUMPTIONS RELATED TO LAND USE CHANGE, TO PROVIDE DIRECTION WITH RESPECT TO THE NORTHWEST BRAMPTON URBAN BOUNDARY EXPANSION AREA.	208	163	166	171	176	1,012	1,896
<b>08-1631</b>	<b>CVC MAPPING UPDATES</b> NATURAL HERITAGE MAPPING OF WATERSHED. NATURAL AREAS INVENTORY AND ALL OTHER FUTURE SIGNIFICANT DATA COLLECTION AND DATABASE UPDATING. TO CARRY OUT MAPPING, FIELDWORK AND ANALYSIS OF A WIDE RANGE OF NATURAL HERITAGE FEATURES AND AREAS.	217	319	363	394	405	2,218	3,916
<b>08-1632</b>	<b>TRCA - YORK/PEEL/DURHAM/TORONTO GROUNDWATER STUDIES</b> DEVELOPMENT OF TOOLS AND POLICIES FOR MANAGMENT OF GROUNDWATER RESOURCES.	125	125	125	130	130	700	1,335
<b>08-1639</b>	<b>CVC SUBWATERSHED STUDIES</b> SUBWATERSHED 19, SUBWATERSHED 17 AND THE ERIN SSMP, BENTHIC INVERTEBRATE COMMUNITY STRUCTURE, AND SIMILAR STUDIES.	204	276	276	276	276	1,380	2,688

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<b>08-1640</b>	<b>CVC PEEL RURAL WATER QUALITY</b> ASSISTANCE THROUGH GRANTS AND TECHNICAL ADVICE TO RURAL/FARMING LANDOWNERS WITHIN PEEL TO PROTECT WATER QUALITY THROUGH BEST MANAGEMENT PRACTICES.	59	300	303	353	365	2,005	3,385
<b>08-1650</b>	<b>TRCA - TERRESTRIAL NATURAL HERITAGE PROGRAM</b> A MULTI-YEAR PROJECT WITH THREE COMPONENTS; DEVELOPMENT AND IMPLEMENTATION OF TERRESTRIAL NATURAL HERITAGE SYSTEM STRATEGY, FIELD INVENTORY (DATA COLLECTION) AND MONITORING; AND APPLIED RESEARCH TO ADDRESS TERRESTRIAL NATURAL HERITAGE ISSUES.	121	126	133	133	144	788	1,445
<b>08-1660</b>	<b>TRCA - WATERSHED/SUBWATERSHED PLANNING</b> THE DEVELOPMENT OF WATERSHED-BASED SOURCE WATER PROTECTION PLANS FOR TRCA WATERSHEDS. PREPARATION OF AN UPDATE OF CURRENT LAND USE PLANNING POLICY TO CONFORM WITH THE 2005 PROVINCIAL POLICY STATEMENT, AND OTHER NEW PROVINCIAL LEGISLATION RE OAK RIDGES MORAINE, GREENBELT, GENERIC REGULATION AND PLACES TO GROW.	278	265	106	407	485	2,525	4,066
<b>08-1670</b>	<b>CVC WATERSHED MONITORING</b> THIS PROJECT MEASURES THE HEALTH OF THE CREDIT RIVER AND ITS WATERSHED AND USES THE INFORMATION TO ASSESS THE EFFECTIVENESS OF PLANNING AND RESTORATION ACTIVITIES.	334	443	502	0	0	0	1,279

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<b>08-1686</b>	<b>TRCA - NATURAL HERITAGE REGENERATION PROJECTS</b> PLANNING AND IMPLEMENTING IN-GROUND PROJECTS INCLUDING WATER QUALITY IMPROVEMENTS, FOREST ESTABLISHMENT, HABITAT ENHANCEMENT, PLANT PROPAGATION AND OTHER ENVIRONMENTAL IMPROVEMENTS AT VARIOUS LOCATIONS.	1,145	1,009	1,201	1,273	1,264	6,101	11,993
<b>08-1690</b>	<b>TRCA - SUSTAINABLE COMMUNITIES</b> PROVIDE SERVICES TO PRIVATE LANDOWNERS AND GROUPS WHO WISH TO TAKE RESPONSIBILITY FOR THE MANAGEMENT OF LAND AND WATER RESOURCES. PROGRAM TO ENGAGE NEW CANADIANS IN ENVIRONMENTAL PROGRAMMING, IN-CLASS EDUCATION, PRIVATE LAND STEWARDSHIP, ACTIVITIES THAT PROMOTE SUSTAINABLE LIFESTYLE, AND AN EDUCATIONAL WATER FESTIVAL.	604	575	685	581	621	3,050	6,116
<b>08-1696</b>	<b>TRCA - REGIONAL WATERSHED MONITORING AND REPORTING</b> PROVIDE A COMPREHENSIVE, INTEGRATED AND COORDINATED APPROACH TO ENVIRONMENTAL MONITORING WITHIN TRCA'S WATERSHEDS. THE PROGRAM PROVIDES REGIONAL WATERSHED ENVIROMENTAL DATA RELATED TO: AQUATIC HABITAT AND SPECIES, FLUVIAL GEOMORPHOLOGY, TERRESTRIAL NATURAL HERITAGE, SURFACE WATER QUALITY, FLOW AND PRECIPITATION, GROUNDWATER, AND WEST NILE VIRUS.	285	350	365	349	350	2,044	3,743

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<b>08-1697</b>	<b><i>CVC PEEL GREEN CITIES INITIATIVE</i></b> DEVELOPMENT OF A PARTNERSHIP WITH URBAN MUNICIPALITIES, CVC FOUNDATION AND OTHER STAKEHOLDERS TO PLAN AND CARRY OUT PROJECTS THAT WILL RESTORE NATURAL FEATURES AND FUNCTIONS AND ENHANCE THE STEWARDSHIP OF THE URBAN AND URBANIZING PORTION OF THE WATERSHED.	247	320	355	366	377	2,052	3,717
<b>08-1699</b>	<b><i>CVC CREDIT RIVER WATER MANAGEMENT STRATEGY</i></b> TO IMPLEMENT THE CREDIT RIVER WATERSHED MANAGEMENT STRATEGY UPDAGE RECOMMENDATIONS WATERSHED WIDE. WORKING GROUPS WILL BE FORMED IN 2008.	198	365	363	319	328	1,796	3,369
<b>10 Year Totals For: CAWATER</b>		<b>4,502</b>	<b>5,216</b>	<b>5,545</b>	<b>5,372</b>	<b>5,571</b>	<b>29,263</b>	<b>55,469</b>

**Infrastructure & Administration**

Projects related to the conservation areas located within regional boundaries. The conservation areas are: Credit Valley Conservation, Conservation Halton, and Toronto and Region Conservation Authority.

<b>08-3103</b>	<b><i>CVC INFRASTRUCTURE MAINTENANCE AND UPGRADES</i></b> PROJECTS INCLUDE NEW CONSERVATION LAND SIGNAGE, PROPERTY MANAGMENT, ROADS AND INFRASTRUCTURE MAINTENANCE, ENCROACHMENTS, FENCING, AND HAZARD TREE MANAGEMENT ON ALL LANDS	1,153	1,220	873	798	771	4,213	9,028
<b>08-3201</b>	<b><i>CH CAPITAL WORKS GENERAL</i></b> HALTON CONSERVATION GENERAL CAPITAL WORKS	20	0	0	0	0	0	20

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08-3301	<b>TRCA - MAJOR FACILITIES RETROFIT</b> A REVIEW OF EXISTING ACCOMMODATION WAS UNDERTAKEN IN AUGUST 2006 TO DETERMINE WHETHER TRCA WILL CONTINUE WITH A HEAD OFFICE BUILDING AND SATELLITE OFFICE FACILITIES OR CONSOLIDATE THE OFFICE REQUIREMENTS INTO ONE FACILITY. PRELIMINARY PLANNING IS REQUIRED TO INVESTIGATE CONSTRUCTION OF A LEED CERTIFIED FACILITY ON TRCA OWNED LAND.	68	76	91	102	113	565	1,015
08-3302	<b>TRCA - PUBLIC USE INFRASTRUCTURE</b> INFRASTRUCTURE MAINTENANCE AND ENHANCEMENTS FOR TRCA CONSERVATION PARKS AND EDUCATION FIELD CENTRES. THESE FACILITIES ARE USED BY OVER 600,000 GTA RESIDENTS ANNUALLY.	41	43	45	48	51	282	510
08-3303	<b>TRCA - CAMPGROUND AND CONSERVATION AREA IMPROVEMENTS</b> INCREASE ENERGY EFFICIENCY OF BUILDINGS THROUGH RETROFITS, PROCUREMENT AND CONSERVATION MEASURES AND PROVIDE RECREATION FACILITIES GEARED TO CHILDREN.	562	318	325	0	0	0	1,205
08-3305	<b>TRCA - WASHROOM UPGRADES</b> ENHANCE PUBLIC WASHROOM FACILITIES AT HEART LAKE, ALBION HILLS, GLEN HAFFY AND INDIAN LINE TO ADDRESS ENVIRONMENTAL AND HEALTH ISSUES, IMPLEMENT SUSTAINABLE CONSERVATION MEASURES AND INCREASE CUSTOMER SATISFACTION.	100	100	100	105	0	0	405
08-3306	<b>TRCA - CONSERVATION LAND PLANNING</b> HEART LAKE CONSERVATION AREA MASTER PLAN TO ADDRESS FUTURE PUBLIC USE DEMANDS AND ENHANCED ENVIRONMENTAL PROTECTION.	235	1,369	786	603	378	1,600	4,971

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<b>08-3307</b>	<b>TRCA - DATA MANAGEMENT AND INFORMATION TECHNOLOGY</b> THIS PROJECT WILL ASSIST IN MAKING TRCA'S SERVICE DELIVERY MORE EFFECTIVE AND EFFICIENT AND ENABLE TRCA STAFF TO TAKE ADVANTAGE OF ADDITIONAL PRODUCTIVITY FROM RECENT INFORMATION TECHNOLOGY ADVANCES.	45	45	45	57	60	308	560
<b>08-3308</b>	<b>TRCA - CONSERVATION LANDS ASSET MANAGEMENT</b> IT IS ESSENTIAL THAT PROPERTIES ARE MANAGED IN A MANNER THAT WILL ACHIEVE THE LIVING CITY VISION. ALL PROPERTIES REQUIRE ANNUAL INSPECTION, FENCE REPAIRS, CLEAN-UP, SIGNAGE, RESOURCE MANAGEMENT, GENERAL CARE AND INCUR TAX AND INSURANCE COSTS.	848	1,177	1,178	1,180	1,181	6,037	11,601
<b>08-3309</b>	<b>TRCA - LIVING CITY CENTRE AT KORTRIGHT</b> THE LIVING CITY IS ONE OF THE MOST AMBITIOUS PROGRAMS IN NORTH AMERICA TARGETING SUSTAINABLE DEVELOPMENT OF A CITY REGION WHICH IS KEY TO THE FUTURE OF THE PLANET. THREE COMPONENTS INCLUDE THE CAMPUS, THE LIVING CITY CENTRE BUILDING AND COMMUNITY TRANSFORMATION PROGRAMMING.	175	175	175	175	175	0	875
<b>08-3310</b>	<b>CONSERVATION LAND SECUREMENT</b> FUNDING TO ALLOW FOR THE PROTECTION OF KEY NATURAL HERITAGE FEATURES, FUNCTIONS AND ATTRIBUTES USING A RANGE OF TOOLS, INCLUDING BUT NOT LIMITED TO PLANNING POLICY; STEWARDSHIP; MONITORING; AND ACQUISITION THROUGH BEQUESTS, EASEMENTS, DONATIONS OR PURCHASE.	500	500	500	500	500	2,000	4,500

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<i>10 Year Totals For:</i>	<i>CONSERVAUTH</i>	<i>3,747</i>	<i>5,023</i>	<i>4,118</i>	<i>3,568</i>	<i>3,229</i>	<i>15,005</i>	<i>34,690</i>
<i>Totals for 10 Year Capital Plan:</i>		<i>17,925</i>	<i>23,677</i>	<i>23,649</i>	<i>22,838</i>	<i>22,665</i>	<i>118,542</i>	<i>229,296</i>