

# **APPENDIX N**

## **IMPLEMENTATION TABLE**

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## INTRODUCTION

Appendix A provides a summary of how to implement the recommendations of the Silver Creek Subwatershed Study. The proposed approach for implementation has been categorized under 5 headings:

- Planning and Policy
- Rehabilitation and Retrofit
- Stewardship and Education
- Monitoring
- Research and Development

Public safety, public health and resource issues have been summarized for each where applicable, and discussed under the headings of action, facilitator, related implementation mechanism, timeframe and cost.

## DEFINITIONS

**Facilitator** - The agency/group that is responsible for taking the lead on implementing the action

**Contributor** - The agency/group that has the ability to offer assistance to the facilitator to implement the action

**Related Implementation Mechanism** - The policy, study or process that would best be used to implement the action

## ACRONYM LIST

The following is a list of acronyms used in the table.

<b>APPROX.</b> – Approximately	<b>N/A</b> - Not available
<b>ASAP</b> - As soon as possible	<b>NE</b> - Niagara Escarpment
<b>CFWIP</b> - Community Fisheries and Wildlife Involvement Program	<b>NEC</b> - Niagara Escarpment Commission
<b>CRFMP</b> - Credit River Fisheries Management Plan	<b>OPs</b> - Official Plans
<b>CVC</b> - Credit Valley Conservation	<b>OMAFRA</b> - Ontario Ministry of Agriculture, Food and Rural Affairs
<b>DFO</b> - Department of Fisheries and Oceans	<b>OPA</b> - Official Plan Amendment
<b>DOE</b> – Department of the Environment	<b>P.</b> – Priority
<b>EIR</b> - Environmental Implementation Report	<b>REHAB</b> – Rehabilitation
<b>EPA</b> - Environmental Protection Act	<b>SQ</b> – Square
<b>IMPL MECH</b> - Related Implementation Mechanism	<b>U of G</b> - University of Guelph
<b>MED</b> - Medium	<b>WHPS</b> - Well Head Protection Strategy
<b>MNR</b> - Ministry of Natural Resources	<b>WRP</b> - Water Resources Association
<b>MOE</b> - Ministry of the Environment	<b>YR(S)</b> - Year(s)

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
<b><u>A-PLANNING AND POLICY</u></b>						
Surface Water Management Plan	Wastewater Servicing Options Studies (may include waste assimilation studies).	Region of Halton, Township of Erin, CVC	Town of Halton Hills	Provincial Policy Statement – Wastewater servicing Water Resources Act	At secondary plan level	\$20 000 - \$50 000 depending on scale
	Implement BMP for Road Salt Management.	Town of Halton Hills, Region of Halton		Canadian Environmental Protection Act		
	Coordinated plan input and review re: Fisheries Act, Fish and Wildlife Conservation Act, MOE Water Legislation, CA/Municipal Policies and Fisheries Management Plan.	CVC	DFO, MNR and MOE / DOE	<ul style="list-style-type: none"> <li>• Fisheries Act</li> <li>• Fish and Wildlife Conservation Act</li> <li>• Credit River Fisheries Management Plan</li> <li>• Other Provincial Policy Statements</li> </ul>	Ongoing	Under CRFMP
	Research and implement Special Angling Regulations as needed.	MNR	Fishing groups and public	<ul style="list-style-type: none"> <li>• Fish and Wildlife Conservation Act</li> </ul>	1-5 years or as migratory fish gain access	\$500 public meeting
	Require specific studies related to the protection and enhancement of fish habitat including species presence at different seasons, habitat assessments, spawning and nursery surveys.	CVC	DFO, MNR, MOE, DOE	<ul style="list-style-type: none"> <li>• Fisheries Act</li> <li>• Lakes and Rivers Improvement Act</li> <li>• Other related Provincial Policies (e.g. PTTW)</li> </ul>	Ongoing	To Proponent
	Setbacks should be maintained for new development from all defined valley slopes, flood plains and meander belts of watercourse channels.	CVC	Region of Halton, Town of Halton Hills, Town of Erin, Wellington County, NEC, MMAH	CVC Regulations, Planning Act, OPs and NE Plan	Immediate	N/A

<b>PLAN COMPONENT</b>	<b>ACTION</b>	<b>FACILITATOR</b>	<b>CONTRIBUTOR</b>	<b>RELATED IMPLEMENTATION MECHANISM</b>	<b>TIMEFRAME</b>	<b>COST</b>
Surface Water Management Plan (cont.)	Update the Valleyland Protection Policies to include geomorphic considerations.	CVC	Region of Halton, Town of Halton Hills, Wellington County, Town of Erin	Provincial Policy Statement – Natural Hazards	0-5 years	\$500
	Update the Greenlands Policies to include geomorphic considerations.	CVC	Town of Erin, County of Wellington, Town of Halton Hills, Region of Halton	Provincial Policy Statement – Natural Hazards	0-5 years	N/A
	Stormwater management - Quality control for stormwater infiltration to protect groundwater quality.	Town of Halton Hills, Town of Erin, CVC	Developers	Plan of Subdivision and Wellhead (Source) Protection Strategy	At draft plan of subdivision and as part of the Wellhead (Source) Protection Strategy	\$3000 – 6000 per site
	Implement planning and construction guidelines.	Town of Halton Hills, Town of Erin, CVC	Developers	Planning Act, Municipal Act, Building Code Act, NE Planning & Development Act	0-5 years	N/A
Surface Water Management Plan (cont.)	Continue application of DFO Act and Policy in plan input and review.	CVC re: initial review and mitigation; DFO re: authorization, compensation, and enforcement	MNR re: enforcement of deleterious substances including sediment	Federal Fisheries Act	Ongoing	\$10 000 per year for entire CVC watershed – approx. \$300 per year for sub 11

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
	Voluntary compliance, where aggregate licenses already exist, to meet the recommendations of the subwatershed study (e.g. maintain barriers between below water table excavations so that changes to hydraulic heads are minimized).	Town of Erin, Town of Halton Hills	County of Wellington, Region of Halton, CVC, MNR, Aggregate Producers	Voluntary	0-5 years	varied
Groundwater Management Plan	Septic feasibility studies and/or large subsurface disposal Studies.	Region of Halton, Township of Erin, CVC	Town of Halton Hills	Provincial Policy Statement – Wastewater servicing Canadian Environmental Protection Act Water Resources Act	At secondary or subdivision plan level	\$10 000 - \$30 000 depending on scale
Groundwater Management Plan (cont.)	Develop of a Wellhead Protection Strategy (WHPS) to protect water quality in Capture Zones for each municipal well. The WHPS should include a refinement of the Aquifer Vulnerability mapping and the Capture Zone analysis, detailed water budget analysis, additional characterization of the buried bedrock valleys, an installation strategy to monitor sentry wells, the incorporation of land use restrictions, a complete inventory of septic systems, a strategy for road salting and salt storage, education and stewardship and the maintenance and updating of a groundwater flow model as a predictive tool.	Region of Halton, County of Wellington, CVC, MOE,	Town of Halton Hills, Town of Erin	Ontario Water Resources Act (OWRA); Ontario Environmental Protection Act (EPA); Region of Halton Official Plan (adopt WHPS); Secondary Plans	ASAP – Region of Halton is currently in the process of completing their Phase 3 Hydrogeology Report. These actions should be addressed in that report.	\$50 000 – 200 000
	As part of the WHPS, install and regularly monitor additional monitoring wells (sentry wells) upgradient of municipal wells within capture zones. This will provide an early warning for contamination of the municipal water supply. This will also help better characterize the bedrock valley aquifer system.	Region of Halton, CVC	Town of Halton Hills	As above; WHPS		

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Groundwater Management Plan (cont.)	As part of the WHPS, develop an environmental practice assessment for individual property owners in capture zones, vulnerable areas and significant recharge areas to assess the potential concerns with respect to contaminant migration from each property.	Individual owners	Individual owners	WHPS, OMAFRA agricultural program	ASAP	Minimal
	Develop a regional long-term plan related to aggregate extraction below the water table on a subwatershed basis and an assessment of potential cumulative impacts.	CVC	Aggregate Producers, CVC	Development of a comprehensive long-term monitoring program; Refine and utilize existing groundwater flow modeling where possible.	Develop ASAP after an implementation committee is formed.	?
	Develop a regional long-term plan related to development on a subwatershed basis and an assessment of potential cumulative impacts and on effects on the local water budget. Restrict development to lower recharge areas and require that pre-development recharge be maintained.	Region of Halton, Town of Halton Hills, CVC	Developers, Town of Halton Hills, Region of Halton	Revision of OP; Revision of secondary plans; Planning applications and associated permits (Planning and Conservation Acts)	Develop ASAP after an implementation committee is formed	Minimal
	Complete an inventory of existing septic systems to determine age, construction methods / materials, and probability of failure. The focus of this study should be in high vulnerability areas.	Region of Halton, Town of Halton Hills, CVC	Region of Halton, Town of Halton Hills, CVC, landowners	EPA, OWRA, OP	Immediate (0–5 years)	minimal

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Greenlands Plan	Official Plan policies and schedules should recognize identified and assessed terrestrial communities and watercourse/riparian and valley land corridors. Natural areas not identified within the Ops should be <b>protected</b> and/or <b>enhanced</b> to the extent practical.	County of Wellington, Region of Halton, Town of Erin Town of Halton Hills, NEC	<b>Protection:</b> CVC, MNR, Wellington, Halton and Landowners <b>Enhancement:</b> Wellington, Halton, Halton Hills, Erin, MNR, Community Groups, Landowners	Planning Act, Wellington, Halton, Halton Hills & Erin OP's, CVC Stewardship and Restoration Program, Credit River Fisheries Management Plan, MNR, CFWIP	Immediate (0-5 years)	N/A
Greenlands Plan (cont.)	High & moderately sensitive corridors and high and moderate priority terrestrial areas should be designated as "Core Greenlands" within the County of Wellington OP, "Greenlands 'A' or 'B'" within the Region of Halton OP and as either "Escarpment Protection Area" or "Escarpment Natural Area" in the NE Plan; low sensitivity corridors and low priority terrestrial areas are to be protected through the development application process and/or municipal initiatives to amend local OP's and zoning.	Region of Halton, County of Wellington, NEC	Region of Halton, County of Wellington, Town of Halton Hills, Town of Erin, CVC, NEC, MNR	Planning Act, OP's, and Zoning By-Laws	0-5 years for high and moderate priority corridors and terrestrial areas  Lower priority areas shall be protected on an on-going basis	N/A
	Require Environmental Impact Reports (or equivalent) for development proposals which may affect natural communities or corridors either directly or indirectly.	Town of Halton Hills, Town of Erin	County of Wellington, Region of Halton, CVC	OPs, CVC EIR Guidelines	0 – 5	N/A
	Encourage securement of key significant natural areas by public agencies or groups.	Region of Halton, County of Wellington, Town of Halton Hills, Town of Erin, NEC	CVC, MNR, Interest Groups, Land Trusts, landowners	Planning Act, Municipal Act, OP, foundations and other charitable organizations	0 –5 years and beyond	\$2500 to \$4500 per acre at market value

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Greenlands Plan (cont.)	Strengthen provisions of existing tree cutting by-laws to discourage indiscriminant tree cutting.	County of Wellington, Region of Halton	MNR, CVC, Town of Halton Hills, Town of Erin	Forestry Act, Trees Act, Municipal Act	0-5 years	enforcement and administration costs unknown
	Rehabilitate pits where extraction has occurred below the water table to make them suitable for public recreation	Municipalities, MNR	Landowners, Municipalities	Sale or easement, Rehabilitation Plans (approved by Province under Aggregate Resources Act)	As available	\$100 000 per pit
	Implement planning and construction guidelines to protect health of subwatershed from future development and redevelopment.	Town of Halton Hills, Town of Erin, CVC	Private Developers	Planning Act, Municipal Act, Building Code Act	0-5	N/A
<b><u>B-REHABILITATION AND RETROFIT</u></b>						
Surface Water Management Plan	Study and implement recommendations related to operating a fish ladder at the Norval Dam for access by migratory trout.	MNR	CVC, DFO, CRAA, Private Landowner	Credit River Fisheries Management Plan	0-5 years	
	Remove Scotsdale Dam on Snows Creek as planned by MNR and OHF.	OHF	MNR, CVC Landowners	CVC, DFO and MNR permits	0-5 years	\$100 K
	Remove other dam, ponds or barriers as identified and prioritized.	CVC, MNR	Landowners	CVC, DFO and MNR Permits	0- 20 years	\$ 10 K to \$ 250 K
	Livestock Fencing and alternate water at two known locations – identify others.	CVC	OMAFRA Municipality	CVC Stewardship Program Environmental Farm Program Healthy Futures or similar rural program	0-10 years	\$ 100 K
	Instream fisheries rehabilitation (bioengineering, cover, boulder placement, debris removal, deflectors and silt traps) likely targeted through urban reaches of Georgetown.	CVC	MNR Fishing Groups Landowners	Credit River Fisheries Management Plan CFWIP CVC Stewardship Program	0-20 years	\$100 to \$500 K

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Surface Water Management Plan (cont.)	Riparian Plantings as described under Greenlands Plan.					
	Upgrade stormwater treatment in urban areas currently lacking treatment for quality, where feasible.	Town of Halton Hills	CVC	Water Resources Act	5-10 years	<\$6000 per site
	Continue to implement Environmental Farm Plans, Nutrient Management Plans, Best Management Practices, Integrated Pest Management practices, and “Bring it Back” (where hazardous livestock medical waste can be returned)programs).	OMAFRA, Ontario Farm Environmental Coalition, Ontario Federation of Farmers, Livestock Medical Vendors	Landowners, CVC	CanAdapt Program Nutrient Management Act	Ongoing	varied
	Upgrade existing septic systems with enhanced treatment (i.e. for nitrogen/phosphorus removal), where required.	Town of Halton Hills	CVC	Water Resources Act	5-10 years	\$5000- \$10 000
	Upgrade Georgetown Water Pollution Control Plant for BAT for phosphorus and nitrogen removal, including denitrification.	Region of Halton	CVC	Canadian Environmental Protection Act, Water Resource Act	5- 10 years, or sooner if C of A is opened	+\$500 000
	Restoration of main channel along subwatershed 1123 and 1125.	CVC	Town of Halton Hills			
	Sediment traps to catch fine sediment from road runoff.	CVC	Town of Hlaton Hills, Region of Halton,			
	Identify on-line ponds that have the potential for dam failure, overtopping and property damage (other than the Scottsdale Dam), and identify their impact on the fishery. If impacts are negative, mitigate or rehabilitate.	CVC	MNR, landowner	Credit River Fisheries Management Plan	As feasible	\$2000 - \$6000 per pond
	Shoring and restacking of the armour stone walls at the entrance of Outfall 27. <b>[p155 PH 1 Report]</b>	CVC	Town of Halton Hills, MNR, MOE, landowners	Environmental Assessment Act	5-10 years	\$5000 - \$100 000 [?]

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Surface Water Management Plan (cont.)	Silver Creek (Reaches 6 to 9, Georgetown) – restoration of channel form and aquatic and riparian habitat	Town, CVC, MNR	MNR, Public interest groups, angler clubs, school groups, landowners	Federal Fisheries Act, Provincial Stream Corridor guidelines, Provincial natural channel design guideline, Aggregate Resources Act, Lakes & Rivers Improvement Act, Fish & Wildlife Conservation Act	0-5 years	\$500/m
	Restrict channel access in agricultural areas.	Municipalities, CVC, MNR	Individual Landowners, Municipalities	Stormwater Management practices, Provincial Stream Corridor Guidelines	As feasible	N/A
Groundwater Management Plan	In existing developments, re-direct roof leaders away from surface water runoff swales to encourage groundwater recharge, when possible.	CVC, Town of Halton Hills	CVC, Town of Halton Hills, landowners	Secondary Plan revision	0 – 20 years	minimal
	Investigate road salting practices and salt storage practices, and implement BMPs to minimize use of salt. Relocate salt storage facilities to low vulnerability areas, where feasible, or adopt strict BMPs.	Town of Halton Hills	CVC, Region of Halton	EPA, OP, Secondary Plan	0-5 years	NA
Greenlands Plan	Improve natural habitats adjacent to wetlands (204.5 hectares within 50 metres).	CVC	Town of Halton Hills, Region of Halton, landowners	CVC Stewardship and Restoration Program	Medium Priority (5 – 10 years)	\$ 2,000/ha.
	Corridor restoration, re-connection and enhancement.	CVC	Town of Halton Hills, Region of Halton, landowners	CVC Stewardship and Restoration Program	High Priority (1-5 years)	\$17/metre
	Improve forest habitat characteristics (39 hectares).	CVC	Town of Halton Hills, Region of Halton, landowners	CVC Stewardship and Restoration Program	Medium Priority (5 – 10 years)	\$2,000/ha.

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
<b><u>C-STEWARDSHIP AND EDUCATION</u></b>						
Surface Water Management Plan	Promote CVC Stewardship program (technical advice and funding) related to stream rehabilitation, pond naturalization and wetland restoration to improve fish and wetland habitats. Plan landowner workshop ASAP.	CVC	MNR, DFO Municipality Fishing Groups Landowners	CVC Stewardship Program, CRFMP, CFWIP	0-20 years	\$ 1 K
	Periodically advertise water quality issues in local newspaper and at CVC website.	CVC				\$1000
	Educate septic system owners on proper operation and maintenance of septic systems.	Town of Halton Hills, Township of Erin	CVC			\$1000
	Educate homeowners on proper use and disposal of fertilizers, pesticides and household hazardous waste through Yellowfish Road and other programs.	Town of Halton Hills, Township of Erin	CVC			\$2000
	Promote stoop and scoop programs.	Town of Halton Hills, Township of Erin	CVC			\$2000
Groundwater Management Plan	Develop an education and stewardship program in rural areas to protect recharge.	CVC, Municipality	CVC, municipality, Provincial government (MOE, MNR, OMAFRA)	Action is part of the same program to protect groundwater recharge areas	ASAP	\$10 000 - 50 000
	Develop an education program as part of a WHPS.	Region of Halton, Town of Erin	Municipality (Region and Town)	Part of a general WHPS	ASAP	\$10 000 – 50 000
	Develop and education and stewardship program to provide landowners the knowledge and tools to maintain their septic systems in an environmentally friendly manner.	Town of Halton Hills, Town of Erin,	Municipality (Region and Town)		Part of WHPS	ASAP

<b>PLAN COMPONENT</b>	<b>ACTION</b>	<b>FACILITATOR</b>	<b>CONTRIBUTOR</b>	<b>RELATED IMPLEMENTATION MECHANISM</b>	<b>TIMEFRAME</b>	<b>COST</b>
Greenlands Plan	Promote and implement Environmental Farm Plan, Healthy Futures, CVC Stewardship programs to restore riparian areas.	CVC OMAFRA	CVC, OMAFRA, MOE, MNR, Municipality, Landowners	Program and Funding Guidelines	0-20 years	\$ 500
	Conservation Planning: prepare conservation plans for targeted high priority properties.	CVC	UofG, NEC, Region of Halton, Landowners	CVC Stewardship and Restoration Program	Medium Priority (5 – 10 years)	\$4,000 max annually
	Landowner Workshops: hold a rural and an urban focused workshop for landowners.	CVC, Town of Halton Hills	Region of Halton	CVC Stewardship and Restoration Program, HH Official Plan Update	High Priority	\$2,000
	Stewardship Brochure: to communicate key findings from the study to landowners.	CVC, Town of Halton Hills	Region of Halton	CVC Stewardship and Restoration Program, HH Official Plan Update	High Priority	\$10,000
<b><u>D-MONITORING</u></b>						
Surface Water Management Plan	Monitor 3 fish biomass stations annually – revise as appropriate. Initiate “Tier 2” studies to address impacts or improve. Monitor other sites as determined through EIRs (e.g. SWM discharges, upwelling gradients, spawning surveys).	CVC or Municipality or proponents	CVC Municipality Proponent MNR	CVC Integrated Monitoring Program	Ongoing	\$1 K / year
	Consider fish flesh contaminant sampling if anglers request.	CVC or MNR	CVC MNR MOE	MOE/MNR Sampling Program for Guide To Eating Ontario Sportfish	Periodically at request with sufficient angling numbers	

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Surface Water Management Plan (cont.)	Monitor water quality stations (chemical, biological, and physical) in Silver Creek, including Rapid Temperature Assessments and Diurnal Dissolved Oxygen Monitoring.	CVC	MOE	Water Resources Act, Canadian Environmental Protection Act CVC Integrated Watershed Monitoring Program	Every 5 yrs	\$20 000 every 5 years
	Establish geomorphic monitoring sites on Silver Creek, in Georgetown (1123 or 1125), and in areas where proposed development is expected to occur (pick subwatershed).	CVC	CVC, MNR, Region	CVC Integrated Watershed Monitoring Program	0-5 years	\$5000 1 <sup>st</sup> year, \$2000 each subsequent year
	A third permanent streamgauge in Silver Creek above the confluence with Black Creek and above the Niagara Escarpment should be established to assist in detecting cumulative effects of changes in the hydrologic response of the subwatershed.  A recording raingauge and hourly air temperature sensor should be included with this set-up to assist with continuing validation of the hydrologic model.	CVC	CVC, Municipality MNR, MOEE	Existing CVC Streamgauge Network	ASAP	\$15,000 to set-up, and \$5K annually
Groundwater Management Plan	Development of a Capture Zone Monitoring program to assess long term trends in recharge (water table conditions) and short term to long term trends in water quality. With respect to water quality, the monitoring will provide an early warning for point source contamination of the aquifer being used for municipal well supply.	Region of Halton, Town of Erin	CVC, Municipality, Provincial government (MOE, MNR)	WHPS incorporated into OP, EPA, OWRA	On-going, but needs to be more comprehensive	N/A

PLAN COMPONENT	ACTION	FACILITATOR	CONTRIBUTOR	RELATED IMPLEMENTATION MECHANISM	TIMEFRAME	COST
Groundwater Management Plan (cont.)	Development of comprehensive site specific groundwater and surface water monitoring program related to development.	CVC, MNR	CVC, Developers, Town of Halton Hills	Secondary Plans - Planning applications and associated permits (Planning and Conservation Acts)	On-going on a site specific basis but a comprehensive program needs to be developed once an implementation committee is formed	N/A
Greenlands Plan	Vegetation community monitoring using EMAN/CVC protocols at 6 stations.	CVC	Town of Halton Hills, Naturalist Club	Town's Official Plan Update	High Priority (1 – 5 years)	\$8,000 annually
	Bird and amphibian species monitoring at several stations throughout the subwatershed	CVC	Town of Halton Hills, Naturalist Club	Town's Official Plan Update	High Priority (1 – 5 years)	\$2,500 annually
<b><u>E-RESEARCH AND DEVELOPMENT</u></b>						
Surface Water Management Plan	Sample baseline fish flesh for analysis.	CVC	MOE	Monitoring Programs	0-5 years	\$ 500
	Consider fish habitat studies related to groundwater, biotelemetry and genetics to better understand either isolated local populations or migratory species.	MNR or CVC	MNR CVC DFO MOE Universities Angling Groups	Research and Funding Programs	10 years	\$ 1K to \$100 K
	Further define CVC's current Water Quality Model to include more detailed modeling for Silver Creek for waste assimilation, stormwater impacts, loss of pervious area, agricultural impacts and road salting impacts.	CVC	Municipalities	Water Quality Strategy	5 years	\$5000
Groundwater Management Plan	Maintain and refine the groundwater model as a more extensive database is developed, to use as a more predictive tool in the future.	CVC	Conservation Authority, Municipality, Developers	CVC Integrated Watershed Monitoring Program, Other Monitoring programs	On-going	Average annual cost \$10,000 – 20,000

<b>PLAN COMPONENT</b>	<b>ACTION</b>	<b>FACILITATOR</b>	<b>CONTRIBUTOR</b>	<b>RELATED IMPLEMENTATION MECHANISM</b>	<b>TIMEFRAME</b>	<b>COST</b>
Groundwater Management Plan (cont.)	Further characterize the buried bedrock valley aquifer system and include characterization into both the groundwater model and the WHPS.	CVC, Region of Halton, Town of Erin	CVC. Municipality		ASAP, 0-5 yrs	N/A
Greenlands Plan	Improve understanding of species/habitat relationships.	CVC	Town of Halton Hills, Region of Halton, UofG	CVC/HH Monitoring Program	Medium Priority (5 – 10 years)	\$10,000
	Assess relationships between landscape effects on upland and wetland communities.	CVC	Town of Halton Hills, Region of Halton, UofG	CVC/HH Monitoring Program	Medium Priority (5 – 10 years)	\$10,000