

Appendix D

Consultation

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**Consultation Summary from the
Staff Report to Planning Committee**

Consultation Summary from the Staff Report to Planning Committee

Consultation on the Greater Cardinal Creek Subwatershed Study began in 2006 with fieldwork in support of a terrestrial inventory and geomorphology study.

- June 2006: access permission forms mailed to landowners with potential natural habitats or adjacent to Cardinal Creek.
- September – October 2007: summaries of field work mailed to participating landowners.

Consultation on the primary work on the Subwatershed Study and the Master Plan Municipal Class Environmental Assessment began in 2007.

- May 15, 2007: presentation of the Terms of Reference to the Rural Issues Advisory Committee (RIAC).
- November 21, 2007: Technical Advisory Committee Meeting #1.
- November 22, 2007: Notice of Commencement and Public Open House.
- January 10, 2008: Presentation to the Environmental Advisory Committee (EAC).
- January 21, 2008: Presentation to the Ottawa Forest and Greenspace Advisory Committee (OFGAC).

Phase One of the Greater Cardinal Creek Subwatershed Study, the Existing Conditions Report, was completed in August 2009. No formal public notice of completion was required or provided. The City's web page for the Subwatershed Study was updated to state that the Existing Conditions Report was available on request.

Most work on the Subwatershed Study was placed on hold between January 2010 and June 2012, pending resolution of appeals to the urban boundary under OPA 76 and determination of the status of Candidate Urban Expansion Study Area 11 (Cardinal Village) within the study area. Some supporting geotechnical investigations continued, work continued on updating the hydrological model, and floodplain mapping was initiated with the Rideau Valley Conservation Authority. On June 12, 2012, the Ontario Municipal Board issued a Consent Order bringing Area 11 into the urban boundary.

- November 23, 2011: Technical Advisory Committee Meeting #2

Work on the Subwatershed Study commenced again in late 2012, but focused primarily on supporting Development Review in the application and review process for the Cardinal Village Official Plan Amendment and Draft Plan of Subdivision. This work continued through 2013. Public consultation during this period occurred within the

context of the development application and review process, primarily as responses to inquiries regarding consistency between the development application and the evolving subwatershed study.

Public consultation on the final Subwatershed Management Plan and Master Plan Municipal Class Environmental Assessment began in March 2014.

- March 14, 2014: Mail notification of pending natural heritage designations to 55 property owners in the study area.
- March 14, 2014 – May 7, 2014: Responding to requests for further information from affected property owners (23 as of April 23).
- April 24, 2014 and May 1, 2014: Announcement of the May 8 Public Open House in the EMC newspaper.
- April 25, 2014 and May 2, 2014: Announcement of the May 8 Public Open House in the Le Droit newspaper.
- April 25, 2014: Mail and e-mail notification of the May 8 Public Open House to the landowners affected by natural heritage designations and those attendees at the first Public Open House who requested future notifications.
- April 29, 2014: Technical Advisory Committee Meeting #3.
- May 8, 2014: Public Open House.

Staff have received comments and answered questions from approximately 25 property owners, the majority of whom had questions about the implications of the natural heritage overlay on current and future land uses.

Study Contact List

Agency/organisation Community Groups	Contact Name	Position	Phone Number	Email	Send		Mailing Address	Comments
					Notify	Copy		
Cardinal Creek Community Association Cardinal Creek Community Association	Sean Crossan	Director, Planning & Development / Past President		flncross@rogers.com	YES	YES	1917 Caprihani Way, K4A 4P4	Has been pressing for completion of study; very interested in local environmental issues (SWM, ANSI, greenspace, etc.).
	Jean-Francois Claude	President		president@cardinalcreek.org	Y	Y		
Citizens for Safe Cycling	Tom Trotter	Vice-president	613 860-6633	tOM@abacurial.com	Y		758 Albert St. Ottawa ON Canada K1R 7V8	Wanted to know what cycling routes were being planned for the watershed.
Friends of Petrie Island / Fallingbrook CA	David Villeneuve	Webmaster	(613) 837-0336	davidvilleneuve@rogers.com	Y		748 Clearcrest Cres., Orleans ON K4A 3E7	Attended open house; emailed comments
City Advisory Committees								
Rural Issues Advisory Committee	Marc Desjardins	Committee Coordinator	613-580-2424 x28821	marc.desjardins@ottawa.ca	Y		Mall code 01-71	
Ottawa Forests and Greenspace Advisory C	Stephanie Brown Bellefeuille	Committee Coordinator	613-580-2424 xt.16780	stephanie.brown@ottawa.ca	Y		Mall code 01-71	
Environmental Advisory Committee	Stephanie Brown Bellefeuille	Committee Coordinator	613-580-2424 xt.16780	stephanie.brown@ottawa.ca	Y		Mall code 01-71	
Commercial Interests								
Richcraft Taggart/Tamarack	Kevin Yemm Jeff Parks	Planning & Development	613.739.7111 x.132	keviny@richcraft.com	Y		Suite 201-2280 St. Laurent Blvd., K1G 4K1	
RE/Max	Mike Hider	Sales Representative	613-837-0000	mikahider@magma.ca	Y			Interested in commercial development of Petrie Island (marina, recreational facilities).
Royal LePage	Phillippe Major	Sales Representative	613-314-9547	arsenault.major.team@sympatico.ca			902-A Elmsmere, K1J 7T6	Attended open house; "sold dozens of farms"
Royal LePage	Paul Major	Sales Representative	613-294-5757	arsenault.major.team@sympatico.ca			556 Aro-en-ciel, K4A 3J1	Attended open house; received copies of displays
Consultants								
IBI Group	Peter Spal		613-225-1311	pspal@ibigroup.com	Y	Y	Suite 400 - 333 Preston Street, Ottawa, Ontario K1S 5N4	Received information from Brad re: Cardinal Creek flows, proposed emergency works in October 2008.
Novatech Engineering Consultants Novatech Engineering Consultants	Phil Desmarais Sam Bahia		(613)254-9843 (613)254-9843	p.desmarais@novatech-eng.com s.bahia@novatech-eng.com				
Kilgour & Associates	Tony Francis			AFrancis@KilgourAssociates.com	Y	Y		Received information from Brad re: NESS 46, UNA 94 in October 2008.
David McManus Engineering	Tracy Scaramozzino			tsaramozzino@dmel.on.ca			400 - 30 Camelot Drive, Nepean, ON, K2G 5X8	Received numerous background reports, data files from Brad in October 2008.
Media								
Orleans Star / Weekly Journal / L'Express	Laura Cummings	Reporter	613-744-4800 ext 283					Wrote story on study Nov. 2007
Residents								
					Y			Attended open house; emailed request for future notifications
					Y			Fire Services employee, interested as local resident Called looking for information; was sent landowners' summary. Called looking for information; was sent landowners' summary.
					Y			Attended open house, then called looking for topo maps of their property; outside 1:2000 coverage. Attended open house; concerned about impacts on farmers
					Y			Attended open house; received copies of displays Attended open house Attended open house; concerned about impacts on farmers

**Notice of Study Commencement &
Notice of Public Open House #1**

NOTICE OF STUDY COMMENCEMENT & NOTICE OF PUBLIC OPEN HOUSE #1

GREATER CARDINAL CREEK SUBWATERSHED STUDY MASTER PLAN CLASS ENVIRONMENTAL ASSESSMENT

Thursday, November 22, 2007

4:30 p.m. to 8:30 p.m.

Ray Friel Recreation Complex (Library Room)
1585 Tenth Line Road, Orleans

The City of Ottawa (the City) has recently initiated the Greater Cardinal Creek Subwatershed Study (see **Key Map** below).

The overall goal of the Study is to ensure the protection of sensitive features, mitigate identified stresses, and improve the overall health of the subwatershed, within the context of the existing agricultural, rural, and urban land uses. The Study will provide direction and recommend actions that should be undertaken by the City, the Conservation Authority, and other interested groups to help achieve these goals.

KEY MAP



The Study is being conducted in accordance with the **Master Plan** process as outlined in the *Municipal Class Environmental Assessment* (June 2000) under the *Ontario Environmental Assessment Act*.

A key component of the Study will be public consultation, including two Public Open House events. The initial Open House will provide members of the public with an opportunity to meet the Study Team, review the Study scope, and discuss preliminary issues related to the Study.

Comments and information regarding this project are being collected by the Study Team in accordance with the requirements of the *Environmental Assessment Act*. If you wish to receive information or to be added to the Study mailing list, please contact one of the following:

Amy MacPherson
Natural Systems Planner
Environmental Sustainability
Planning, Transit and the
Environment
City of Ottawa
110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: 613-580-2424 ext. 14873
Fax: 613-580-2459
e-mail: Amy.MacPherson@ottawa.ca

Joe Puopolo, P. Eng.
Project Manager
Gartner Lee Limited
275 Slater Street, Suite 1603
Ottawa, ON
K1P 5H9
Tel: 613-782-6151
Fax: 613-565-0413
e-mail: jpuopolo@gartnerlee.com

Thank you for your participation in this study

**Public Open House #1
Displays**

GREATER CARDINAL CREEK SUBWATERSHED STUDY

Welcome and Introduction to Study

- ❖ Please sign in on the sheet provided. Then feel free to walk around and view the displays.
- ❖ If you have any questions, our staff will be pleased to discuss the study with you.
- ❖ Comment sheets are provided for those who wish to provide comments in writing. Please place your completed sheets in the Comment Box or mail/fax them to one of the identified Study Team Members (see below) by December 7th, 2007.
- ❖ Thank you for your involvement in this project.
- ❖ For additional information, please contact one of the following Team Members:

Amy MacPherson
Natural Systems Planner
Planning, Transit and the Environment
City of Ottawa
110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: 613-580-2424 ext. 14873
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Joe Puopolo, P.Eng.
Project Manager
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Ottawa, ON K1P 5H9
Tel: 613-782-3151
Fax: 613-565-0413
E-mail: jpuopolo@gartnerlee.com

GREATER CARDINAL CREEK SUBWATERSHED STUDY

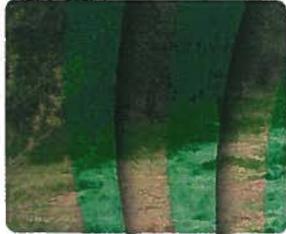
Study Background



- ❖ Through the Official Plan, Ottawa Council has committed to preparing subwatershed plans to provide environmental direction to land use decisions.
- ❖ Subwatershed planning looks at an area's soils, geology, surface and ground water, plants and wildlife. It also looks at how the land is used for housing, agriculture, recreation and other purposes. The plan undertakes an assessment of the existing conditions and health of the natural resources within the subwatershed.
- ❖ The plan sets goals to address issues and concerns within the watershed and recommends actions for landowners, the City, the Conservation Authority, and other interested groups to help achieve these goals.
- ❖ The success of the subwatershed plan depends on the support of many stakeholder agencies, landowners, the City, and the general public.
- ❖ This Public Open House will discuss the existing conditions in the subwatershed and the process for evaluating and assessing the alternative solutions in order to meet the goals of the plan.

GREATER CARDINAL CREEK SUBWATERSHED STUDY

Subwatershed Study Area



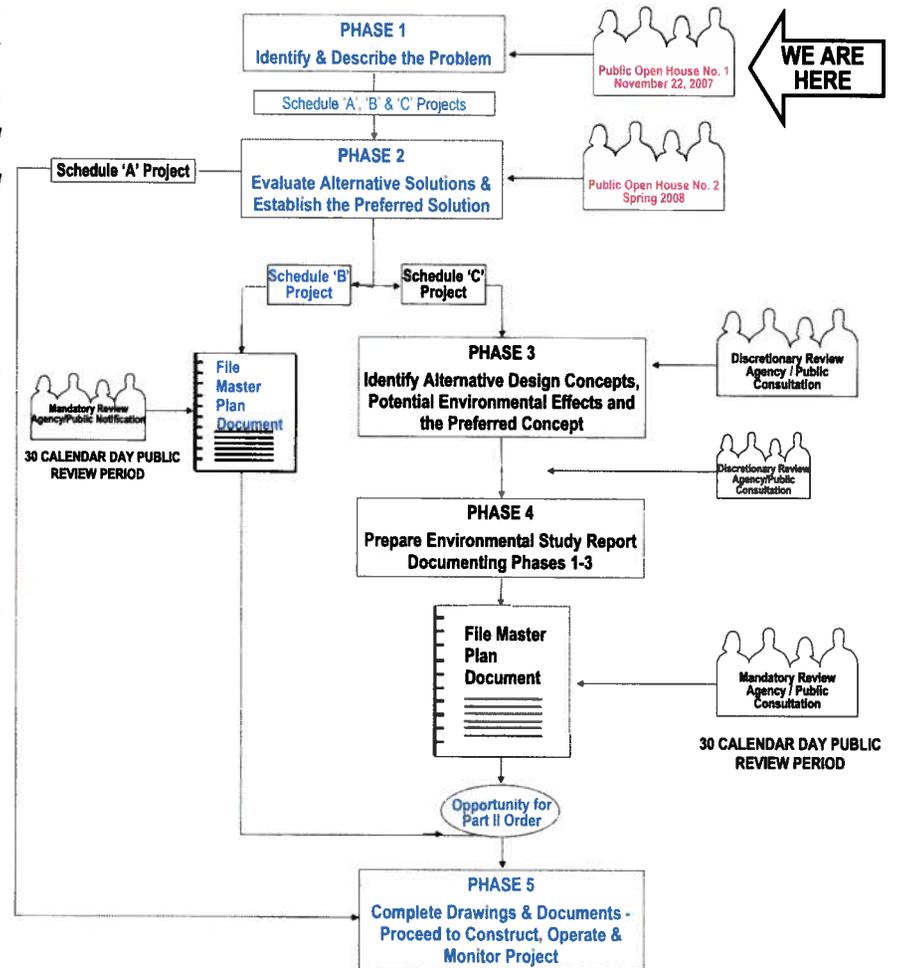
- ❖ The Cardinal Creek and adjacent Ottawa River subwatersheds in eastern Ottawa have similar characteristics, and together form a logical planning unit extending south from the Ottawa River shoreline approximately to Regimbald Road between Tenth Line Road and Dunning Road.
- ❖ The Cardinal Creek subwatershed is part of the Ottawa River watershed, and includes several municipal drains as well as small, unnamed tributaries.
- ❖ The subwatershed, which includes over 3,650 hectares, is used predominantly for agriculture, but also contains areas of existing and approved urban development in Orléans and country lot development in the rural area.
- ❖ This subwatershed features a diverse landscape and notable features such as a Provincially Significant Wetland, forests and other natural features, as well as a locally unique limestone cave system (karst feature).



GREATER CARDINAL CREEK SUBWATERSHED STUDY

Master Plan Class EA Process

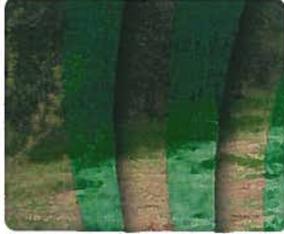
- ❖ This study is being conducted through a *Coordinated Environmental Assessment Master Planning* process in accordance with the requirements of both the approved *Municipal Class EA* and the *Canadian Environmental Assessment Act (CEAA)*.
- ❖ The Municipal Class EA is approved under the *Environmental Assessment Act* and enables the planning of municipal infrastructure projects in accordance with an approved procedure designed to protect the environment.
- ❖ The Master Planning process allows for the integration of the Class EA planning principles with the infrastructure requirements for existing and future land uses.
- ❖ Due to the presence of fish habitat, works proposed within the creek may trigger CEAA. Any CEAA requirements will be incorporated in the Co-ordinated EA Master Planning process.



GREATER CARDINAL CREEK SUBWATERSHED STUDY

Existing Conditions – Natural Environment

- ❖ In 2006, the City of Ottawa retained Marshall Macklin Monaghan to complete a terrestrial inventory of the Greater Cardinal Creek Subwatershed.
- ❖ The terrestrial inventory examined 36 natural areas, including eight that had been previously assessed by the former Region or the City of Ottawa. One other previously assessed natural area has been developed and was not examined.
- ❖ The study found that:
 - ❖ Forests cover approximately 18.5% of the study area, mostly in the north.
 - ❖ Wetlands are scarce, covering less than 2% of the study area.
 - ❖ The escarpments support some provincially uncommon plant communities on the talus slopes and cliff faces.
 - ❖ The natural areas support many common species of plants and wildlife, as well as some locally or provincially uncommon species.
 - ❖ The pastures and hayfields within the study area also provide habitat for several species of grassland-dependent birds.



GREATER CARDINAL CREEK SUBWATERSHED STUDY

Existing Conditions – Natural Environment

❖ Marshall Macklin Monaghan evaluated each natural area on the basis of:

- ❖ Representation of different landform features (e.g., clay or till plains, escarpments, organic deposits);
- ❖ Rare vegetation communities or landforms;
- ❖ Significant species of plants or wildlife;
- ❖ Significant habitat for wildlife;
- ❖ Contribution to aquatic ecosystems;
- ❖ Valleylands and contiguous tableland forests;
- ❖ Connectivity to other natural features.

❖ Based on this evaluation, each natural area was classified as either a core or supporting element in a draft natural heritage system for the subwatershed.



GREATER CARDINAL CREEK SUBWATERSHED STUDY

The Next Steps...

- ❖ A set of alternative solutions and evaluation criteria will be developed to address identified issues, based on the existing conditions observed and the comments received from the public and other stakeholders.
- ❖ The alternative solutions will be evaluated using criteria and indicators developed by the Study Team and a preferred solution will be determined.
- ❖ The evaluation process and the preferred solution will be presented at the second Public Open House in the Spring of 2008 for comments and input.
- ❖ A Master Plan Document summarizing the study will be prepared and filed for 30 calendar days for agency and public review after the second Public Open House.
- ❖ Please provide your comments on a comment sheet and place it in the Comment Box, or send it to us by fax, e-mail or mail by December 7, 2007.



**Public Open House #1
Record of Public Input**

1/2

Nov 22/2007

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: <i>J. Puopolo</i>	Discussion Pod:
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Individual/Group No. For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.

[REDACTED]

- What impact will this study have on farming operations? Will new regulations ~~be~~ or by-laws be developed and put into effect?
- Requested to have his name added to mailing list.
- Asked for the budget to complete the study.
- Noted that some poor farming practices are ^{being conducted} ~~and~~
 sick and [REDACTED]

Primary concern was ensuring that the existing unnamed drain to maintained in place and operational. The drain serves as the outlet for foundation drainage from his home. Situated in high groundwater location and has 2 sump pumps installed to ensure his basement

remains dry. The pumps generally run continuously. Also requested a copy of the drainage aerial photographs.

1/2

Record of Public Input

Greater Cardinal Creek Subwatershed Study

Public Open House - November 22, 2007

Staff Recorder: <i>J. Pucolo</i>	Discussion Pod:
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Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
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[REDACTED]

His lot is serviced (storm) by the Scharfe Drain. He has been assessed costs previously for work on the drain.

He complained that the drain has not been maintained for many years and is being overgrown by vegetation.

He requested that the City carry out the appropriate maintenance work to ensure that an adequate outlet for his property is provided.

[REDACTED]

He ~~is~~ expressed a suspicion that the "middle" stormwater management pond is not functioning as originally designed. He believes that water quality data collected by the City provides the supporting evidence of this assertion.

Record of Public Input

Greater Cardinal Creek Subwatershed Study Public Open House - November 22, 2007

Staff Recorder:	Discussion Pod:
Amy MacPherson	
Individual/Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
1.	Concerned about potential impact on farming ([redacted])
2.	Concerned about butternut implications, landowner rights impacts of the study. (Neighbour in French Hill gave permission off forms to sign re: butternut found?)
3.	Any implications for him as a private landowner? ([redacted])
4.	Golf course members interested in purpose of study - supportive of purpose, interested in features on GC.
5.	City ownership? - paths + public access. (Cumberland Pathways org., now defunct).
6. S.C.	Boom needs maintaining more often. Mill site is a barrier to fish (other barriers acknowledged) Snapping turtle nesting site ID'd on map.
7.	Any controls on fertiliser/pesticide in rural estates? Protect ducks in Card Cr.
8.	Snowmobile club seasonal bridge north of Innes (Sue Petrovic, RCM will contact).
9.	Owners of lot in spring fed pond in NESS 48 (withavee) very interested in nat. env. study, supportive → lots of frogs in spring. → saw notice in paper.

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: <i>Amy MacPherson</i>	Discussion Pod:
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page. 10. <i>Withaven landowner (NESS 44) interested in study, not too many birds except @ feeders, bluebird houses in interior field (not their property).</i> <hr/> <i>Group Debrief.</i> <ul style="list-style-type: none">- questions about development- drain cleanout- protecting the creek- recreational trails- people want boards on the website.

Record of Public Input

Greater Cardinal Creek Subwatershed Study

Public Open House - November 22, 2007

Staff Recorder:	Discussion Pod:
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
	<p>How did you define the boundaries of the SW shed?</p> <p>Why does intermittent Mercer Drain cross the SW boundary?</p> <p>Streak of black earth in southeast</p> <p>Is there recreation path along the creek edge?</p> <p>Identifies small WSE portion of SW</p> <p>Why wd s.o. put 8' fence around field to keep deer out - making a big estate.</p>

Notes on development

- Some anti-development
- Many have deepm interest
- Big land values interest
- ~~Development~~ Changing character of rural area
- Protecting creek

Recreation interest

Why are you doing this?

Farmer at 4:30

positive + cerebral

Issues w groundwater supply - what is effect of deepm.

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: <i>Dick Coote</i>	Discussion Pod:
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
	<p><i>[Redacted]</i> many fields at S. end of w/s drain south, not into the ditches and drains shown on map - need to re-define S boundary of w/s.</p> <p>Farm with tall silos on Trim is still doing production milk. Horse farm on Frank Kenny may be sold to developers. Across road from horse farm are 2 dairy farms operated by brothers, and south of them there's a barn w/ beef.</p> <p>Gentleman in east edge of w/s, has 50 acres, mostly trees. Says there's cattle dump in creek next to O'Toole Rd, W side, between French Hill and Jones</p>

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: Nick Stow	Discussion Pod: Nat. Env.
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
[Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]	<ul style="list-style-type: none"> - Property on Southwest corridor is tile-drained and pumped south to McKinnon Creek. - Concerned that development east of Cardinal Creek could not be accommodated in terms of sanitary servicing. - Anecdotal observation that the width of the lower channel has narrowed since the new development and stormwater pond. - Carleton Regional Snowmobile Club deals with Sue Petrovic in the Real Estate office. They have their trail network on Google Earth, and they plan to meet with Amy McPherson. We should get the trail network as a base layer. ~ 700 passes in the Ottawa area - Contractors accessing the trail system through a vacant lot, driving vehicles along along the trails when doing backyard construction: tearing up trails - Etc. Double-check the zoning/^{designation} around the Petrie Island Marina. Has been corresponding with Francois Jessup about the zoning, so that the marina and does not too lose rights. - Concerns noted regarding threats of estate lots in NW side unit of NESS 48, 0 Toole Road. and the undeveloped portion of NESS 44 Wilhaven Drive. Identified as an old road sugarbush with walking trails.

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: DARRIN JOHNSON Discussion Pod: EROSION/SLOPES

Individual/Group No. For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.

[REDACTED] ⇒ INTERESTED IN COPY OF 1998 GEOTECHNICAL REPORT

REAL ESTATE AGENTS ⇒ SOLD DOZENS OF FARMS (ARSENVAULT & MAJOR - ROYAL LEPAGE)

[REDACTED] ⇒ GW SUPPLY FOR WELL

[REDACTED] ⇒ LANDOWNERS & LIVE ON ST. JOSEPH ACROSS FROM FALLS
↳ ZONING ALONG MEADOW LANE
↳ COMMENTED THAT POSTERS ARE LEGIBLE AND INFORMATIVE

[REDACTED] ⇒ WATER THAT USED TO FLOW TO BILBURY CREEK NOW DIVERTED TO CARDINAL CREEK STORMWATER POND.
↳ PONDS LOWER WATER TABLE
↳ TRENCHING FOR PIPES/DEVELOPMENT LOWERS WATERTABLE LIKE TILE DRAIN
↳ SETTLEMENT FROM LOWERED WATERTABLE (PIPES AND FOUNDATIONS SETTLING)
↳ PIPES & INFRASTRUCTURE SHOULD BE PLACED ABOVE HARAPAN LAYER WITH INSULATION

[REDACTED] ⇒ WALKING TRAIL BEHIND HOMES ON HEATHERSTONE IS BEING USED BY CONTRACTORS TO BUILD DUCKS AND FENCES → BECOMING MUDDY

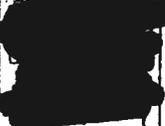
Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: DARRIN JOHNSON	Discussion Pod: EROSION / SLOPES
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page. CARDINAL CREEK COMMUNITY ASSOC. ⇒ PLANTING TREES AND EDUCATION, GARBAGE REMOVAL ⇒ 400 TREES THIS FALL PLANTED ON TABLE LANDS ABOVE VALLEY WAYS

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder: <i>JULIE SMITH</i>	Discussion Pod:
Individual/ Group No. 	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page. <i>would like to be able to access information on the boards.</i>

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder:	Discussion Pod:
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
* ①	<p>[REDACTED]</p> <p>↳ would like copy of open house displays</p> <p>↳ also has concerns about impact of development on his well - very concerned about future impacts of development that has already occurred on west side of creek.</p>

Record of Public Input

Greater Cardinal Creek Subwatershed Study
Public Open House - November 22, 2007

Staff Recorder:	Discussion Pod:
Individual/ Group No.	For each individual/group contact, please record the topics of discussion, questions asked, and any concerns or opinions expressed. Separate notes for each contact by drawing a line across the page.
	<p>Dr. Ranjit Perera</p> <p>- pdf of study area map?</p> <p>dr.rperera@rogers.com</p> <hr/> <p>- pdf of study area or printed map</p> <p>Paul Major (Roxal Lepage)</p> <p>arsenault.major.team@sympatico.ca</p> <hr/>

Presentation to EAC and OFGAC (2008)



Greater Cardinal Creek Subwatershed Study

Presentation to
EAC and OFGAC
Jan. 10 and 21
2008

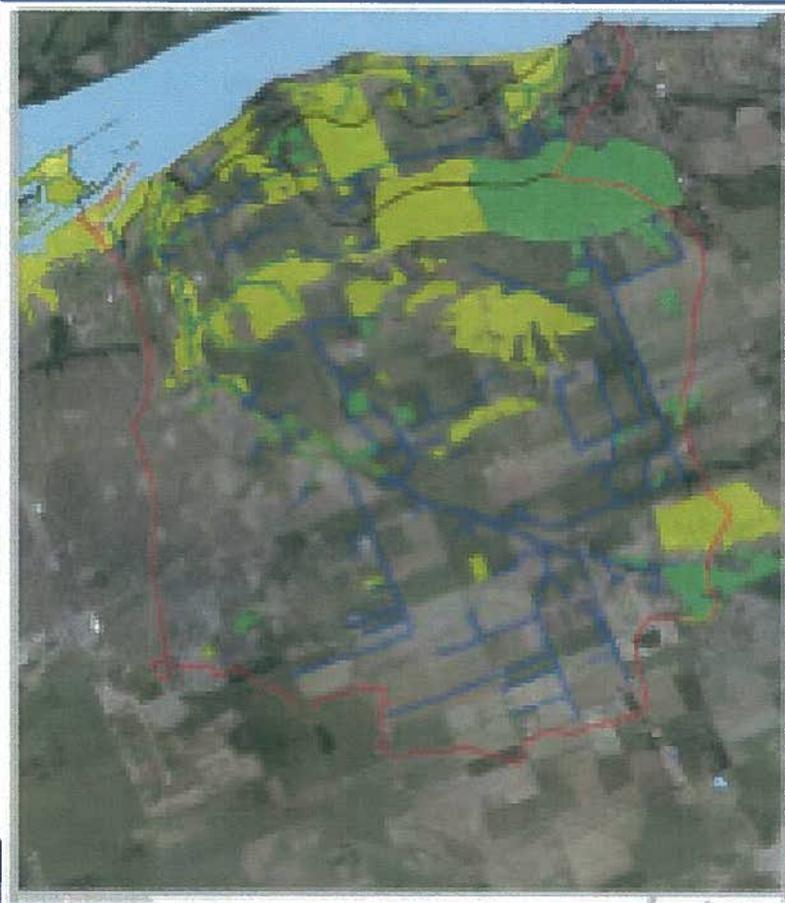
Subwatershed Study Milestones

- ☑ Terms of reference approved, consultant retained – July 2007**
- ☑ Field work completed – Nov. 2007**
- ☑ Public open house – Nov. 22, 2007**
 - Next public open house – June 2008**
 - Complete subwatershed plan – summer 2008**
 - Council approval – fall 2008**
 - Notification of Study Completion, 30 day public review (Class EA process)**

Public Involvement

- **2006 requested permission to access properties of interest**
 - **Approx. 200 landowners contacted**
 - **70% response (40% consent)**
- **Public open house Nov. 22, 2007**
 - **30 people attended**
 - **Others responded to ads**
- **Web page (being updated)**

Natural Heritage System Elements



- **MMM evaluated each natural area based on various criteria and classified it as either a core (yellow) or supporting (green) element in a draft natural heritage system**

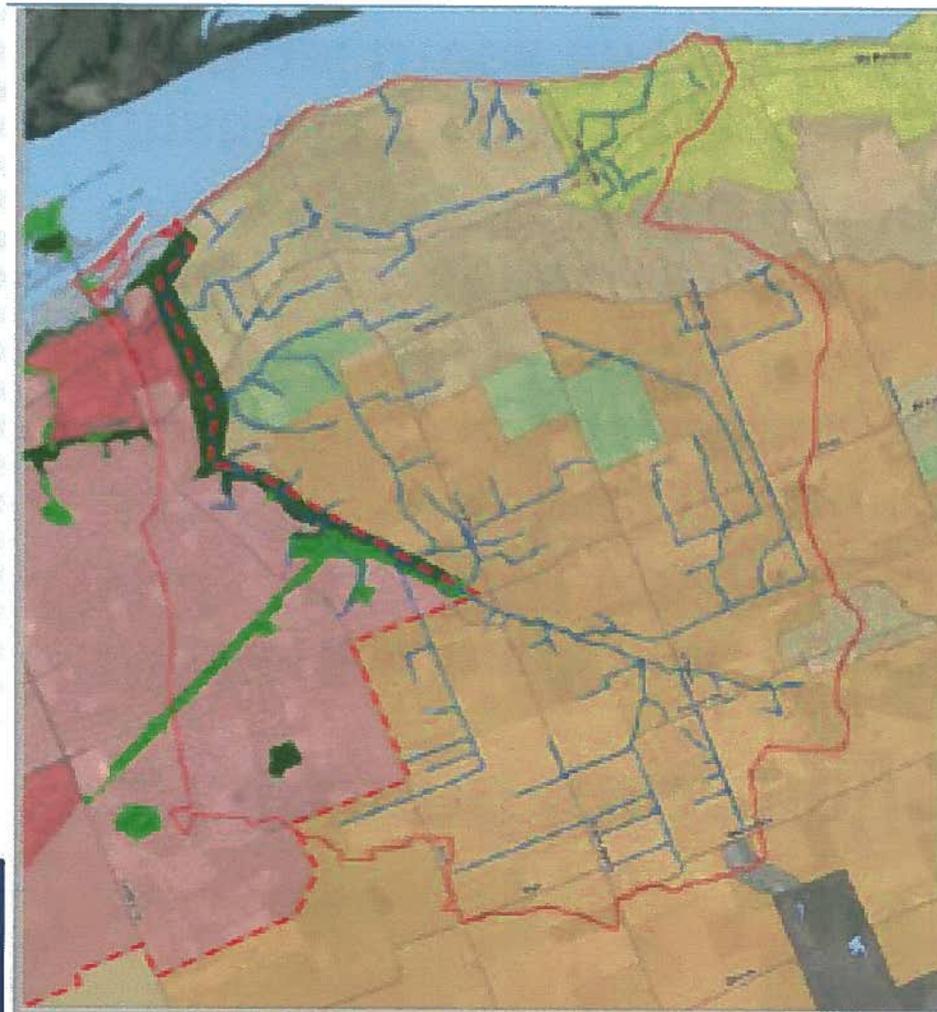
Findings to Date

- **Terrestrial ecosystem includes diverse features and functions (some significant)**
- **Warmwater fish habitat throughout; limited potential for movement due to barriers (natural and built)**
- **Creek channels in reasonable condition overall**
- **Erosion issues may be due to clay soils and steep slopes**

Field Investigations

- **Field studies completed in 2006-2007 for Greater Cardinal Creek study area:**
 - **Terrestrial ecology**
 - **Geomorphology**
 - **Fisheries and benthic ecology**
 - **Hydrology and water chemistry**
 - **Geotechnical assessment of urban Cardinal Creek valley**

Official Plan Designations



Legend

-  Study Area
-  Stream Network
-  Waterbodies

Official Plan Land Use Designation

-  Employment Area
-  General Urban Area
-  Agricultural Resource Area
-  General Rural Area
-  Major Open Space
-  Provincially Significant Wetland
-  Urban Natural Features
-  Rural Natural Features Area
-  Sand and Gravel Resource Area
-  Limestone Resource Area
-  Village

Background Information

- **Master Drainage Plan completed in 1991, updated in 2001 (on-line storm ponds built)**
- **Several previously identified natural features (NESS, UNAEES) already designated in Official Plan**
- **Unique karst cave formation in Cardinal Creek valley at Watters Road**
- **Unstable slopes and erosion issues in Cardinal Creek and unnamed creek valleys**
- **Many tributaries are municipal drains with intermittent flow or tolerant warmwater fish habitat**

Subwatershed Study Objectives

- **Characterise existing conditions**
- **Set guidelines for future development**
- **Identify and prioritise erosion control, slope stability and/or restoration projects along Cardinal Creek**
- **Develop management plan with implementation strategy for recommended actions**

Greater Cardinal Creek Study Area



- **Cardinal Creek**
 - Over 3,100 ha
 - Mostly rural
 - Urban area now being built out
- **Unnamed Creek and Ottawa River tributaries**
 - 550 ha
 - Rural and village

Subwatershed Studies

- **Section 2.4.3 of Official Plan**
- **Balance environmental protection, land use practices, development**
- **Address existing issues, enhance conditions where possible**
- **Previous studies mostly in south or west, e.g., Shields, Carp, Jock Reach 1, Jock Reach 2/Mud (still ongoing)**



Greater Cardinal Creek Subwatershed Study

Presentation to
EAC and OFGAC
Jan. 10 and 21
2008

Notice of Public Open House #2

Notice of Completion:

Greater Cardinal Creek Subwatershed Study

Open house – 8, May, 2014

The City of Ottawa has completed the Greater Cardinal Creek Subwatershed Study. The resulting Subwatershed Management Plan provides direction and recommends actions to protect sensitive features, mitigate identified stresses, and improve the overall health of the subwatershed. The Subwatershed Management Plan will provide direction and recommend actions that should be undertaken by the City, the Conservation Authority, and other interested groups to help achieve these goals. These include identification of natural heritage features and a preferred option for slope stabilization along Cardinal Creek.

The Cardinal Creek Slope Stabilization component of the study has been conducted as a Class B project in accordance with the **Master Plan** process as outlined in the *Municipal Class Environmental Assessment* (June 2000) under the *Ontario Environmental Assessment Act*.



You're invited:
8, May, 2014
6:30 PM – 8 PM
Fallingbrook Community Centre
998 Valin, Ottawa, ON.

[Nom du projet]

Séance portes ouvertes – le [jour], [Mois],
[Année]
[Tapez le texte ici]

Vous êtes invité(s):
le [Jour] [Mois] [Année]
[L'heure]
[Lieu]
[Adresse]

[Tapez le texte supplémentaire ici]

**Pour obtenir de plus amples renseignements ou
formuler des commentaires, veuillez
communiquer avec:**

[Nom]
[Direction]
[Adresse]
Ottawa (Ontario) [code postal]
Courriel: [prénom.nom@ottawa.ca]
Tél.: 613-580-2424, poste [poste]
Télec.: 613-[télécopieur]

Prière de faire parvenir vos commentaires d'ici le
[jour] [mois] [année]

Rédigé par [le département]



For more information and/or to submit comments, please contact:

**Nicholas Stow
City of Ottawa
Planning and Growth Management
110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
E-mail: nick.stow@ottawa.ca
Tel.: 613-580-2424 ext. 13000
Fax: 613-580-2459**

Written comments should be submitted by 22, May, 2014.

Presentations may be made to Planning Committee on 27, May, 2014.

Prepared by [Department]

**Notice of Public Open House #2
“Sent To” Contact List**



Nicholas Stow
Senior Planner, Land Use and Natural Systems
City of Ottawa
110 Laurier Avenue West, 4th Floor
Ottawa, Ontario
K1P1J1

May 5, 2014

Dear Sir/Madam:

Re: Cardinal Creek Subwatershed Study Public Open House

The purpose of this letter is to inform you that the City of Ottawa will be holding a Public Open House on May 8, 2014, at the South Fallingbrook Community Centre, to present the findings and recommendations of the Greater Cardinal Creek Subwatershed Study. The Public Open House will provide the public with more information on the Subwatershed Study and an opportunity to provide comments on the findings and recommendations. Any public comments will be considered prior to completion of the final report.

Cardinal Creek Subwatershed Study Public Open House
Thursday, May 8, 2014, 6:30 PM to 8:00 PM
South Fallingbrook Community Centre
998 Valin Street, Orleans. K4A 4B5

The public will also have an opportunity to provide comments on the final report when it goes to Planning Committee on May 27, 2014.

For more information on the subwatershed study, please do not hesitate to contact me 613-580-2424 (ext. 13000) or by e-mail at nick.stow@ottawa.ca.

Sincerely

A handwritten signature in black ink, appearing to read "Nick Stow".

Nick Stow, Senior Planner

Nicholas Stow
Urbaniste principal, Utilisation du sol et des systèmes naturels
Ville d'Ottawa
110, avenue Laurier ouest, 4^e étage
Ottawa (Ontario)

K1P1J1

Le 24 avril 2014

Monsieur/Madame:

Objet : Journée portes ouvertes au sujet de l'Étude sur le sous-bassin hydrographique du ruisseau Cardinal

La présente lettre a pour but de vous aviser que la Ville d'Ottawa tiendra une journée portes ouvertes qui aura lieu le 8 mai 2014, au centre communautaire South Fallingbrook, afin de présenter les constatations et les recommandations de l'Étude du secteur étendu du sous-bassin hydrographique du ruisseau Cardinal. Cette journée portes ouvertes offrira au public plus d'information au sujet de l'Étude, ainsi qu'une occasion d'offrir des commentaires au sujet de ces constatations et de ces recommandations. On étudiera tous les commentaires reçus du public avant l'établissement du rapport définitif.

**Journée portes ouvertes, le jeudi 8 mai 2014, de 18 h 30 à 19 h
Centre communautaire South Fallingbrook
998, rue Valin, Orléans, K4A 4B5**

Le public aura également l'occasion d'offrir des commentaires au sujet du rapport définitif au moment de sa présentation au Comité de l'urbanisme le 27 mai 2014.

Si vous désirez plus d'information au sujet de l'Étude sur le sous-bassin hydrographique, n'hésitez pas à communiquer avec moi en composant le 613-580-2424 (poste 13000) ou par courriel à nick.stow@ottawa.ca.

Veillez agréer l'expression de mes sentiments les meilleurs.



Nick Stow, Urbaniste principal

**Public Open House #2
Displays**

Greater Cardinal Creek Subwatershed Study

Étude du secteur étendu du sous-bassin hydrographique du ruisseau Cardinal

Séance portes ouvertes

Le 8 mai 2014

Subwatershed Study Products

Produits de l'étude du sous-bassin hydrographique

Background

- Terrestrial Inventory
- Geomorphology Study
- Geotechnical and Slope Stability Assessment
- Hydrology Model

Products

- Existing Conditions Report
- Slope Protection Plan
- Hazard Land and Regulated Areas Mapping
- Subwatershed Management Plan

Contexte

- Inventaire terrestre
- Étude géomorphologique
- Étude géotechnique et évaluation de la stabilité des pentes
- Modèle hydrologique

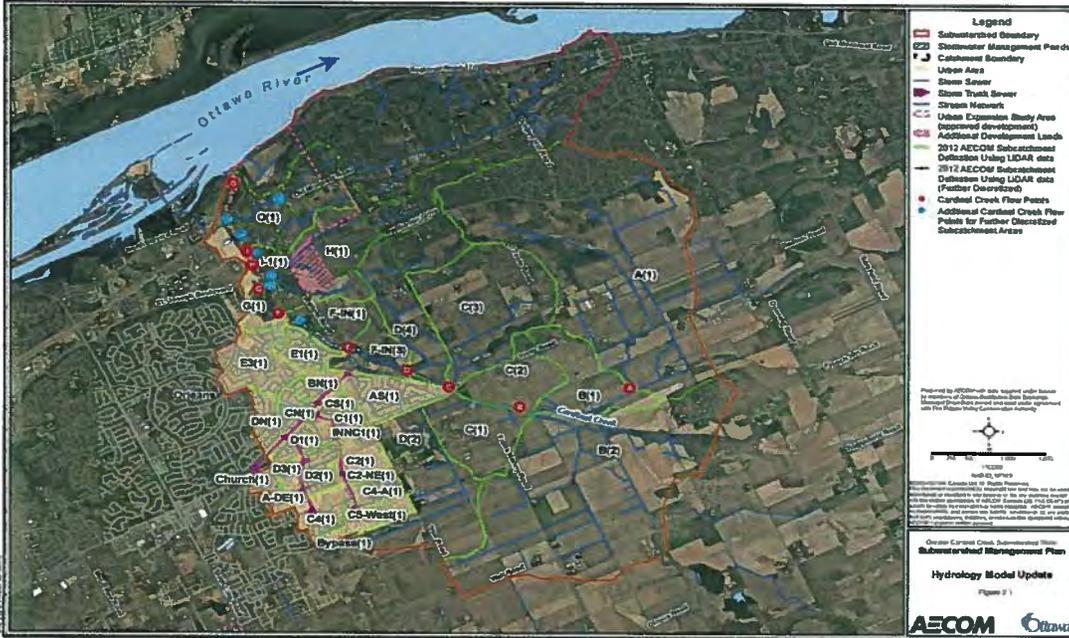
Produits

- Rapport sur les conditions actuelles
- Plan de protection des pentes
- Cartographie des terres vulnérables et des zones réglementées
- Plan de gestion du sous-bassin hydrographique

Greater Cardinal Creek Study Area

Zone d'étude du secteur étendu du ruisseau Cardinal





Hydrology Model

- The Subwatershed Study establishes flow targets for stormwater management.
- It predicts the impacts of residential development prior to stormwater management.

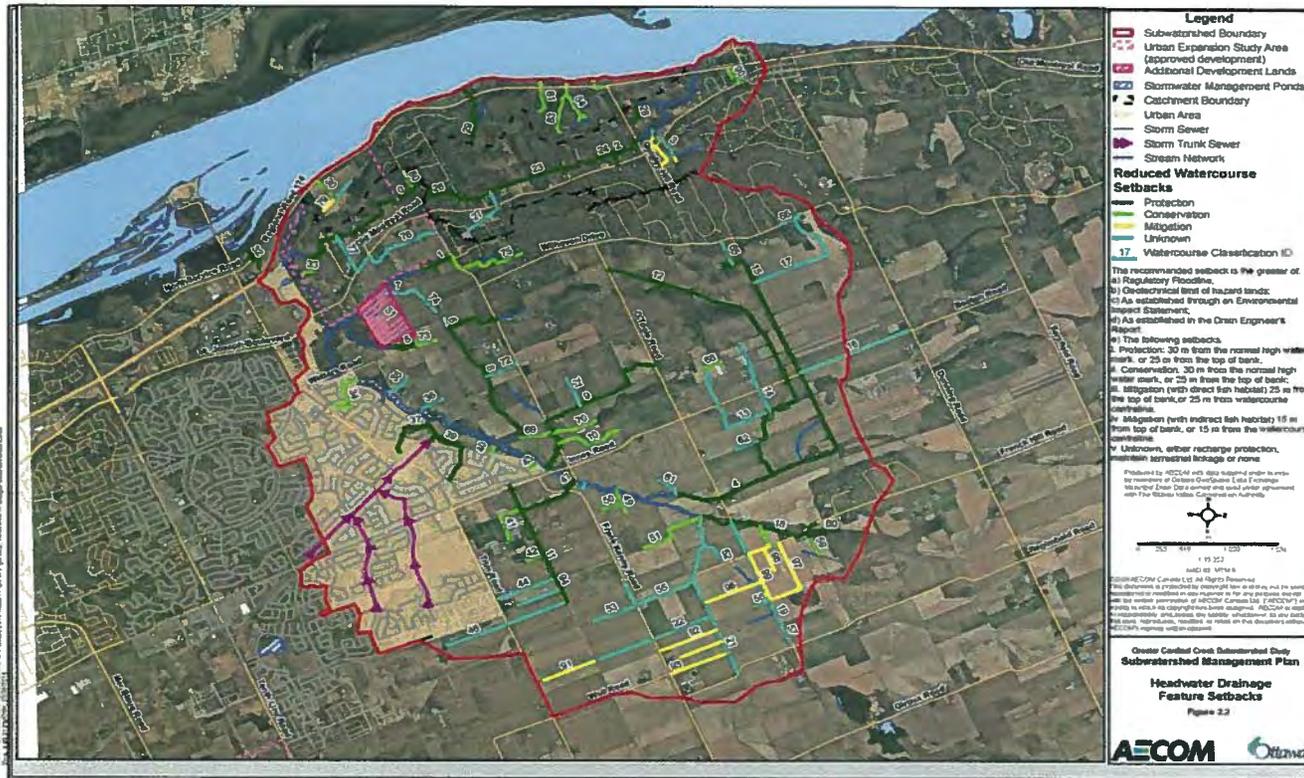
Modèle hydrologique

- L'étude du sous-bassin hydrographique établit les cibles en matière d'écoulement pour la gestion des eaux pluviales.
- Elle prédit les répercussions des aménagements résidentiels avant la mise en œuvre de mesures de gestion des eaux pluviales.

Point d'écoulement dans la zone 11		Événement de précipitation extrême sur 2 ans (m ³ /s)		Événement de précipitation extrême sur 5 ans (m ³ /s)		Événement de précipitation extrême sur 100 ans (m ³ /s)	
		Conditions actuelles	Conditions proposées	Conditions actuelles	Conditions proposées	Conditions actuelles	Conditions proposées
Distribution sur 24 heures (Chicago)	"F1"	0.2	0.3	0.4	0.5	0.9	1.2
	"H2"	1.1	4.1	2.0	6.7	5.3	16.2
	"H3"	1.2	4.3	2.1	7.1	5.6	17.6
	"I1"	0.1	0.3	0.2	0.4	0.4	0.9
	"O2"	0.5	1.6	0.8	2.4	2.2	5.1
	"O3"	0.5	1.7	1.3	3.1	3.4	8.0
	"O4"	0.4	1.4	0.7	2.0	1.7	4.2
Distribution sur 24 heures de type II (SCS)	"F1"	0.2	0.3	0.4	0.5	0.9	1.0
	"H2"	1.2	3.8	2.2	6.3	5.4	14.5
	"H3"	1.3	4.0	2.3	6.7	5.8	15.6
	"I1"	0.1	0.2	0.1	0.3	0.3	0.7
	"O2"	0.5	1.5	0.9	2.2	2.2	4.6
	"O3"	0.6	1.6	1.4	2.8	3.5	7.1
	"O4"	0.4	1.0	0.7	1.5	1.7	3.0

Watercourse Setbacks

Retraits des cours d'eau



- The Subwatershed Study recommends development setbacks for protection of watercourses.

- These are based on the best available science.

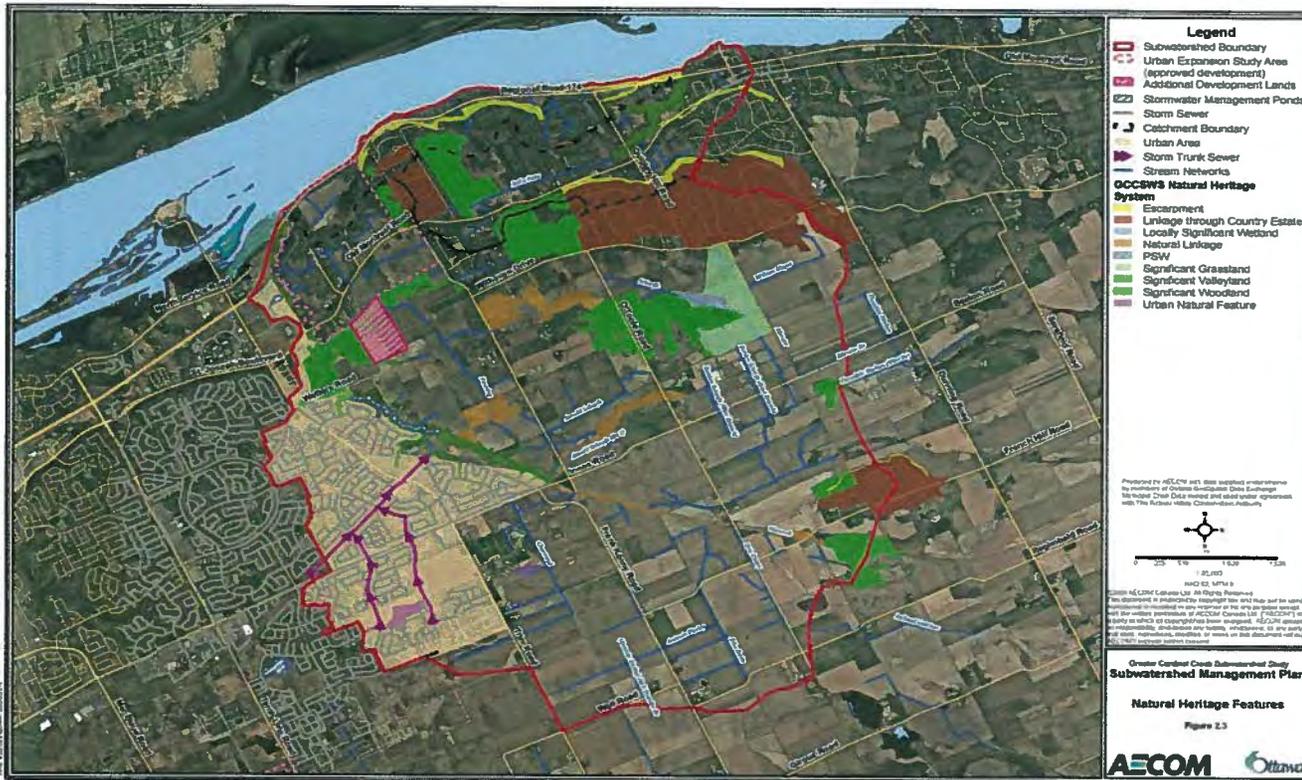
- They can be changed through site investigation.

- Retraits des aménagements pour la protection des cours d'eau recommandés par l'étude du sous-bassin hydrographique.

- Fondés sur les meilleures données scientifiques disponibles.

- Peuvent être modifiés à la suite d'une enquête sur le terrain.

Natural Heritage System Système du patrimoine naturel



- The Subwatershed Study identifies a system of significant natural features that must be evaluated and considered in any development applications.

- They do not affect existing legal land uses.

- Désignation, dans l'étude sur le sous-bassin hydrographique, d'un système de caractéristiques naturelles importantes à évaluer et à examiner dans toute demande d'aménagement.

- Aucun effet sur les utilisations légales actuelles du sol.

Cardinal Creek Village

Village de Cardinal Creek

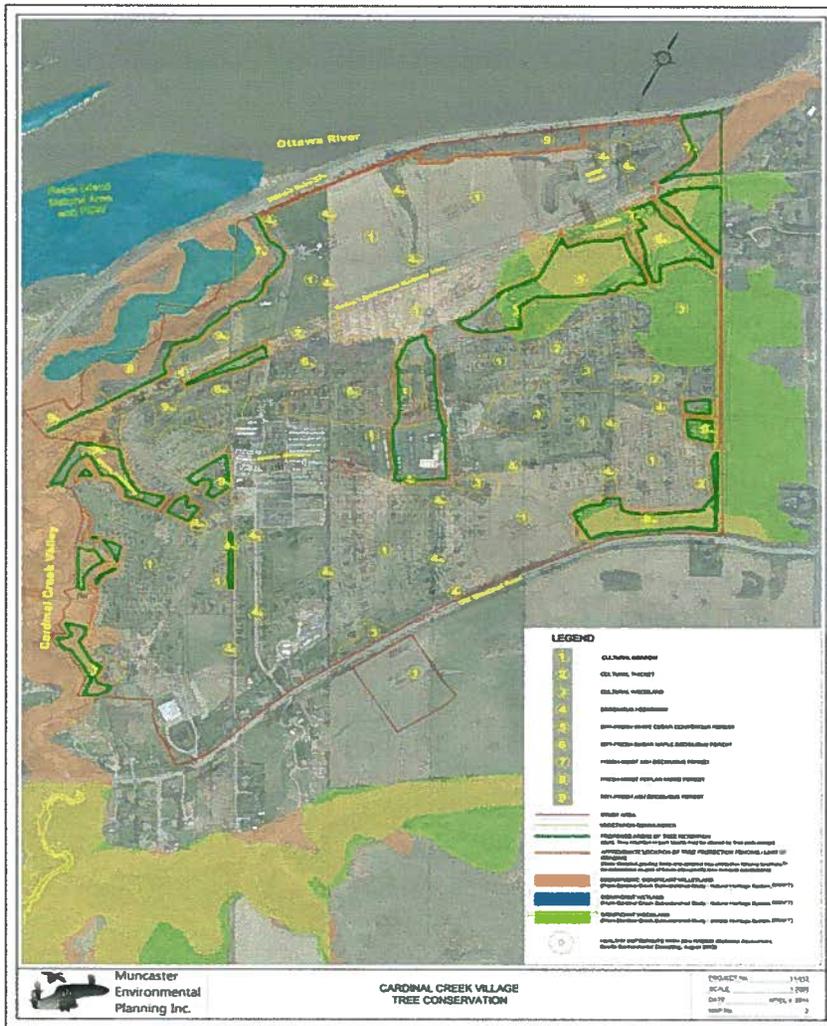
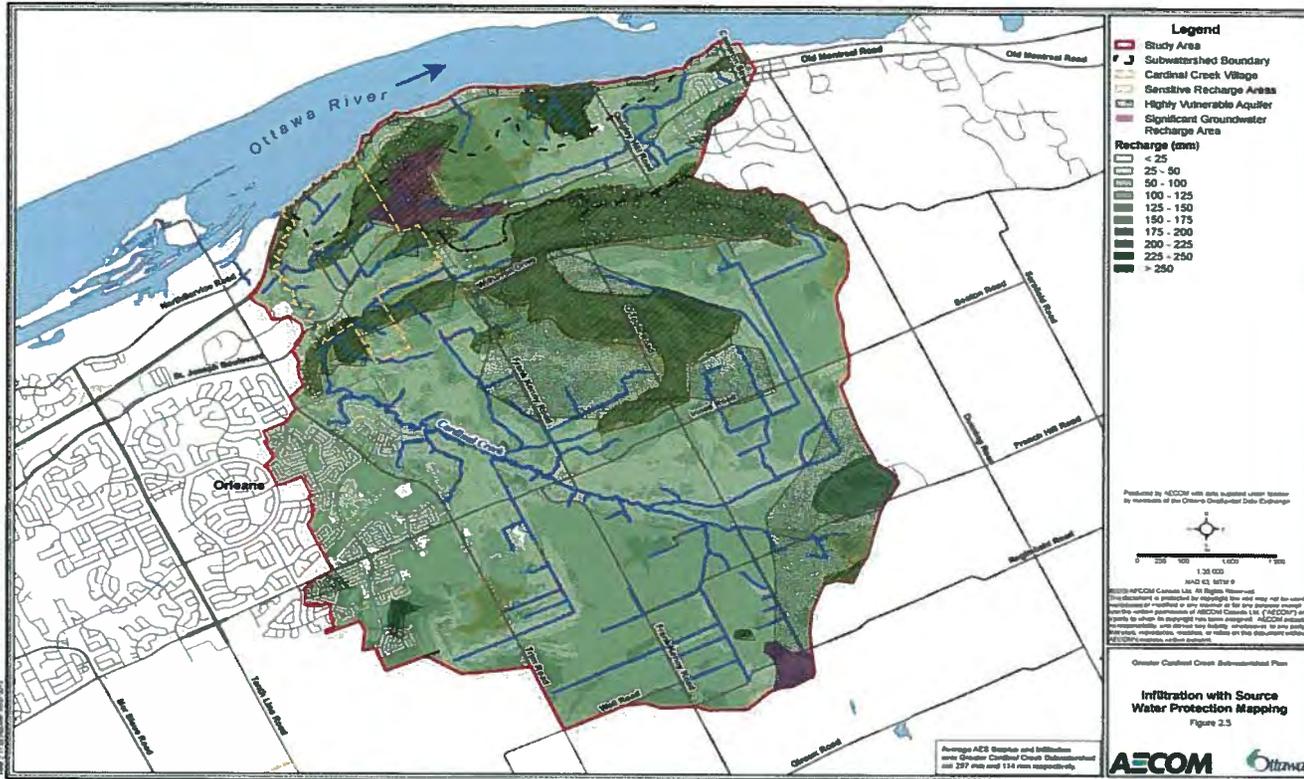


Figure used with permission / Figure utilisée avec permission

- The recommended natural heritage system revised through site investigation and preparation of an Environmental Impact Statement.
- The draft plan of subdivision results in the loss of one watercourse recommended for protection in the Subwatershed Study. A permit and compensation is required by the Rideau Valley Conservation Authority.

- Révision du système du patrimoine naturel recommandé dans le cadre d'une enquête sur le terrain et production d'un énoncé des incidences environnementales.
- Le plan de lotissement provisoire se traduit par la perte d'un cours d'eau dont la protection est recommandée dans l'étude. L'obtention d'un permis et la prise de mesures d'indemnisation sont requises par l'Office de protection de la nature de la vallée Rideau.

Groundwater Protection Protection de la nappe souterraine



- Most groundwater recharge occurs in natural areas.

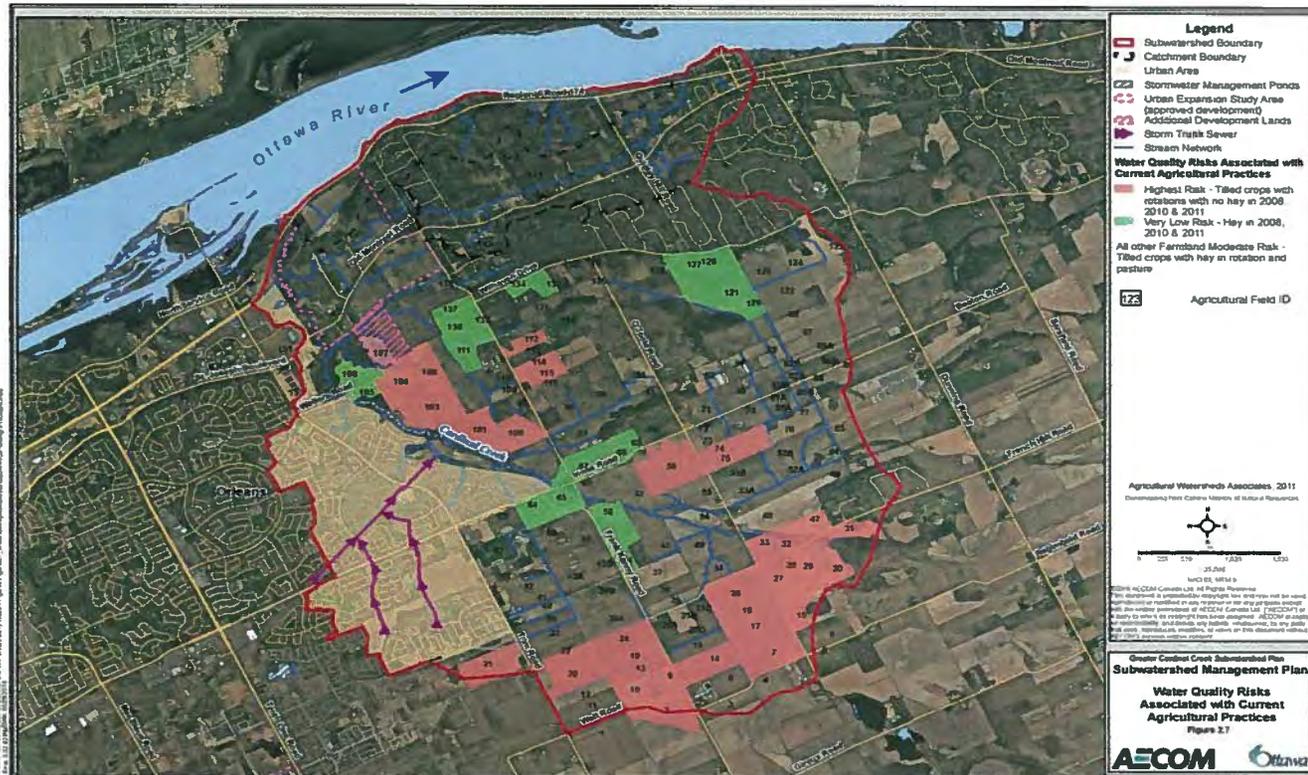
- Natural areas are important for protection groundwater.

- *La nappe souterraine s'alimente principalement à partir des zones naturelles.*

- *Ces zones sont importantes pour la protection des eaux souterraines.*

Agricultural Risks to Water Quality

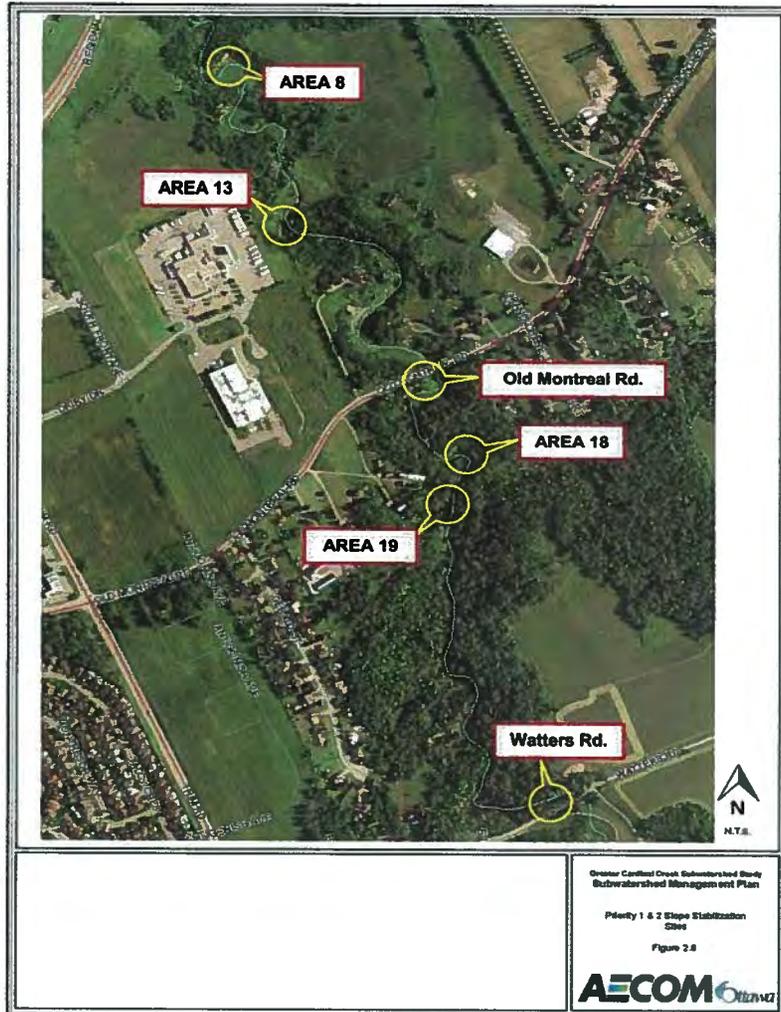
Risques d'origine agricole pour la qualité de l'eau



- Some agricultural areas have a higher risk of negatively affecting watercourses and water quality.
- Best Management Practices are important.
- Tile drain outlet controls should be promoted.

- Certaines zones agricoles présentent un risque plus élevé d'effets négatifs sur les cours d'eau et la qualité de l'eau.
- Les pratiques de gestion optimales sont importantes.
- La mise en place de mesures de contrôle au point de sortie des drains souterrains doit être favorisée.

Stabilization of Slopes



Stabilisation des pentes

- 31 erosion sites were evaluated along Cardinal Creek as part of a Master Plan Municipal Class Environmental Assessment.
- 6 sites are recommended for slope stabilization work.
- Two sites have the highest priority: Watters Road and Old Montreal Road.
- EA clearance-approval for the six slope stabilization projects is being obtained through completion and filing of the Subwatershed Management Plan Report.
- Une évaluation environnementale municipale de portée générale a été réalisée pour 31 sites d'érosion le long du ruisseau Cardinal dans le cadre du Plan directeur.
- Des travaux de stabilisation des pentes ont été recommandés à six sites.
- Les deux sites des chemins Watters et Old Montreal affichent le degré de priorité le plus élevé.
- L'autorisation et l'approbation pour l'évaluation environnementale portant sur les six projets de stabilisation des pentes vont être obtenues à la suite de l'achèvement et de la soumission du rapport sur le Plan de gestion du sous-bassin hydrographique.

Opportunities for Comment

- At tonight's meeting:
 - Comment sheet;
 - To staff.
- By e-mail to nick.stow@ottawa.ca
- By mail to:
Nick Stow
Senior Planner, Natural Systems
City of Ottawa
110 Laurier Avenue West, 4th Floor
Ottawa, Ontario. K1P 1J1
- At Planning Committee on May 27, 2014.
 - In person (5 minute presentation)
 - In writing
- Deadline for revisions to report: Thursday, May 15, 2014
- Notice of Study Completion-30 Day Public Review

Pour nous faire parvenir vos commentaires

- À la réunion de ce soir :
 - sur la feuille de commentaires;
 - directement au personnel.
- Par courriel à nick.stow@ottawa.ca
- Par la poste à :
Nick Stow
Urbaniste principal, Systèmes naturels
Ville d'Ottawa
110, avenue Laurier Ouest, 4^e étage
Ottawa (Ontario) K1P 1J1
- Au Comité de l'urbanisme le 27 mai 2014 :
 - en personne (exposé de 5 minutes);
 - par écrit.
- Date limite pour la proposition de révisions au rapport : le jeudi 15 mai 2014
- Avis d'achèvement de l'étude – Examen public de 30 jours

Responses to 2014 Notification

Responses to 2014 Notifications of Completion of the Subwatershed Study and Natural Heritage System Mapping.

Initials	Issue	Response
GS	Natural Heritage Overlay: amount of land affected, implications and compensation.	Provided information by telephone.
BW	Natural Heritage Overlay: implications and impact on land value. Cardinal Village zoning.	Site visit, resulting in removal of NHS designation. Referred to Dev. Review Planner about zoning.
RB	Same as BW. Joint ownership of property.	Same as BW.
EB	Same as BW and RB. Joint ownership of property.	Same as BW.
CC	Natural Heritage Overlay: questions validity of designation, implications and land value.	Site visit, resulting in removal of NHS designation.
DH	Natural Heritage Overlay: disagrees with designation; would like criteria.	Provided information by phone and e-mail. Referred to Councillor.
GP	Natural Heritage Overlay: questions about the implications. Correction to address.	Provided information by telephone.
GE	Natural Heritage Overlay: same as CC; joint ownership. Problems with watercourses.	Same as CC. Watercourses corrected.
JG	Natural Heritage Overlay: Implications of the designation.	Provided information by telephone and at open house.
KF	Natural Heritage Overlay: implications for possible severance.	Provided information by telephone.
LP	Natural Heritage Overlay: questions validity of the designation. Provided an ELC report.	ELC report is sound. NHS feature boundary changed.
ML	Natural Heritage Overlay: questions about the implications. Corrected ownership.	Provided information by telephone.
AM and NB	Natural Heritage Overlay: questions about the implications for single home.	Provided information by e-mail.
PM and JM	Natural Heritage Overlay: questions about implications for development; rural estates.	Provided information by phone. Referred to Councillor.
RB	Natural Heritage Overlay: questions about implications for a severance.	Provided information by phone.
RM	Requested copy of the Existing Conditions Report.	Provided by e-mail.
RM	Natural Heritage Overlay: supportive of overlay on his property. Correction to mapping.	Mapping to be corrected.
RD	Natural Heritage Overlay: questions about implications. Correction to address.	Provided information by phone.
TK	Natural Heritage Overlay: questions about implications. Request for electronic map.	Provided information by phone. Sent a copy of the map by e-mail.
WM	Natural Heritage Overlay: letter disagreeing with and objecting to overlay; recommends info on Crown Land Patents.	Reviewed designation. No change. Replied by letter.
YF	Natural Heritage Overlay: questions about implications, land use and zoning. Correction to address.	Provided information by phone and e-mail.
Cardinal Creek Comm. Assoc.	Request for documents. Request for presentation at AGM.	Documents provided. Presentation provided.

Land Owner Correspondence
(Note: Separate Contact List Maintained by City)



Spring/Summer 2006

Dear Sir/Madam

**Re: Greater Cardinal Creek Subwatershed Terrestrial/Aquatic Inventory
Permission to Access Property for Fieldwork Program**

The City of Ottawa, in partnership with the Rideau Valley Conservation Authority, has initiated an inventory of the terrestrial and aquatic environment to identify and characterise the natural features within the Cardinal Creek and adjacent "Ottawa 1" (Ottawa River tributary) subwatershed areas. The study area is approximately bounded by the Ottawa River to the north, Dunning Road to the east, Wall Road and Regimbald Road to the south and Tenth Line to the west. Information collected as part of this inventory will be used in the development of a subwatershed plan for the area. The purpose of the study is to gain a comprehensive understanding of the local environment so we can better plan and operate our activities within the subwatersheds, without compromising the health of their natural resources.

Permission to access this property has been granted by the property owner to allow City of Ottawa employees and/or their consultants from the firms of Marshall Macklin Monaghan and Geomorphic Solutions to record observations on the natural features (e.g., woodlands, wetlands, watercourses). The permission by the property owner is granted for one to five sessions between May and September for two to four hours on each occasion. Observations may also be made during this study from public lands (e.g., roadsides, City property).

The City will be hosting an open house to involve the community in the Greater Cardinal Creek Subwatershed Plan once the subwatershed planning process is initiated (anticipated start in late 2006 or 2007). If you have any questions regarding this study or the subwatershed planning process, please contact me at 580-2424 ext. 14873 or by e-mail at Amy.MacPherson@ottawa.ca.

Sincerely,

A handwritten signature in black ink that reads "Amy MacPherson".

Amy MacPherson, Planner
Environmental Management
Planning and Development Department



Property Address: «PROPERTY_ADDRESS»
PIN: «PIN»

13 October 2006

«FIRST_NAME» «LAST_NAME»
«MAILING_ADDRESS_2»
«CIVIC_NUM» «ROAD_NAME»
«MAILING_ADDRESS_4»

Dear:

**Re: Greater Cardinal Creek Subwatershed Study
Request for Extension of Permission to Access Property**

Thank you for allowing the City of Ottawa and its consultant teams to access your property during the summer of 2006. We appreciate your cooperation as we work towards the completion of the fieldwork associated with the Greater Cardinal Creek Subwatershed Study. As discussed during our recent telephone conversation, the attached form is intended to confirm your verbal permission for our study team to access your property again this month.

The creek section located on or adjacent to your property has been identified as a target for additional, more detailed investigations by our geomorphological study team. The team needs to access your property during the autumn of 2006 to record observations on the creek channel's physical form and stability. This information will be used when developing the subsequent subwatershed plan. The investigations should require only one day to complete, and will involve a series of measurements of the creek's banks. As with the earlier fieldwork already completed, no heavy equipment or intrusive sampling techniques will be used.

Please fill out the attached Property Access Permission Form and return it to us **by 20 October 2006** using the enclosed postage paid envelope or fax it to us at 580-2459. We apologise for the short notice; however, the window of opportunity to complete this work is dependent on seasonal changes and weather conditions, and is therefore brief.

The results of the previously completed fieldwork are being compiled for analysis, and will be provided to the participating landowners later this year. The City will be hosting an open house to involve the community in the Greater Cardinal Creek Subwatershed Plan once the subwatershed planning process is initiated (anticipated start in late 2006 or 2007). If you have any questions regarding this study or the subwatershed planning process, please contact me at 613-580-2424 ext. 14873 or by e-mail at Amy.MacPherson@ottawa.ca. Thank you again for your cooperation.

Sincerely,

Amy MacPherson, Planner
Environmental Sustainability
Planning and Growth Management Department
Attach.



**Greater Cardinal Creek Subwatershed
Inventory of Terrestrial/Aquatic Features
Property Access Permission Form**

Name of Property Owner:	«FIRST_NAME» «LAST_NAME»
Mailing Address:	«MAILING_ADDRESS_2» «CIVIC_NUM» «ROAD_NAME» «MAILING_ADDRESS_4»
Property Address:	«PROPERTY_ADDRESS»
PIN:	«PIN»

Name of Person Permitting Access
(if different from Owner of Property)
(please print)

Relationship to Owner of Property (i.e., lessee, tenant)

Daytime Telephone

Signature

E-mail address

Please check only one of the following options:

- I hereby **grant permission** for City staff and/or consultants, designated by the City of Ottawa, Planning and Growth Management Department, to access my property (as identified above) for the purpose of conducting one to five field investigations lasting two to four hours each to support the above noted study. This permission is valid until September 30, 2006.

Comments or Special Instructions (e.g., call ahead, access instructions, etc.):

- I hereby **do not grant permission** for City staff and/or consultants, designated by the City of Ottawa, Planning and Growth Management Department, to access my property (as identified above) for the purpose of conducting a field investigation to support the above noted study.

All information collected through the Greater Cardinal Creek Subwatershed Inventory of Terrestrial/Aquatic Features (the Study) is collected under the authority of ss. 16, 16.1, and 34 of the Planning Act, R.S.O. 1990, c.P.13, as amended, and will be used for the sole purpose of the Study. This includes, but is not limited to, information contained in forms, notes, diagrams, correspondence, documents, reports, and photographs produced in the context of the Study. Information collected for the purposes of the Study is subject to the Municipal Freedom of Information and Protection of Privacy Act, c.M. 56, as amended ("MFIPPA"), and may be subject to disclosure under MFIPPA. Questions regarding the collection and use of personal information may be directed to: Amy MacPherson, B.Sc., Project Manager, 580-2424 ext. 14873, 110 Laurier Avenue West, Ottawa ON K1P 1J1.



Property Address: «PROPERTY_ADDRESS»
PIN: «PIN»

06 June 2006

«FIRST_NAME» «LAST_NAME»
«MAILING_ADDRESS_2»
«CIVIC_NUM» «ROAD_NAME»
«MAILING_ADDRESS_4»

Dear Sir/Madam:

**Re: Greater Cardinal Creek Subwatershed
Inventory of Terrestrial/Aquatic Features
Request for Permission to Access Property**

This is our second attempt to reach you, as Canada Post returned our previous mailing to you.

The City of Ottawa, in keeping with the goals established in the Official Plan (2003) has committed to the preparation of subwatershed plans to inform future land management decisions within the City. A subwatershed plan attempts to balance environmental protection, conservation and restoration with development and land-use practices to ensure the long-term health of the watershed. When subwatershed planning is undertaken, the City works with the local community to identify such things as natural features, environmental stressors, community priorities and opportunities for ecological restoration and enhancement.

To support the anticipated future Greater Cardinal Creek Subwatershed Plan, the City has initiated an inventory of the terrestrial and aquatic environment to identify and characterise the natural features within the Cardinal Creek and adjacent "Ottawa 1" (Ottawa River tributary) subwatershed areas. The study area is approximately bounded by the Ottawa River to the north, Dunning Road to the east, Wall Road and Regimbald Road to the south and Tenth Line to the west.

Your property has been identified as having a potential natural feature of interest within this study area. We are requesting permission to access your property so that our team can record observations on the natural feature (e.g., woodland, wetland, watercourse). This information will be used when developing the subsequent subwatershed plan. A copy of the information collected from your property will be provided to you for your reference.

Representatives from the City and/or the consultant team would like to visit your property during the spring and/or summer of 2006 to:

- ✓ Confirm/update boundaries of natural areas
- ✓ Confirm natural characteristics, including species and habitats

We require your permission to access your property. Please fill out the attached Property Access Permission Form and return it to us **by 20 June 2006** using the enclosed postage paid envelope or fax it to us at 580-2459. We appreciate your assistance with this important work - an inventory of ecological use and characteristics will benefit us all.

The City will be hosting an open house to involve the community in the Greater Cardinal Creek Subwatershed Plan once the subwatershed planning process is initiated (anticipated start in late 2006 or 2007). If you have any questions regarding this study or the subwatershed planning process, please contact me at 580-2424 ext. 14873 or by e-mail at Amy.MacPherson@ottawa.ca. Understanding our natural environment benefits the whole community today and for future generations, so your cooperation is encouraged and appreciated.

Sincerely,



Amy MacPherson, Planner
Environmental Management
Planning and Growth Management Department

Attach.



Property Address: «PROPERTY_ADDRESS»

PIN: «PIN»

NATURAL FEATURE(S): field

July 2007

«FIRST_NAME» «LAST_NAME»
«MAILING_ADDRESS_2»
«CIVIC_NUM» «ROAD_NAME»
«MAILING_ADDRESS_4»

Dear Sir/Madam:

**Re: Greater Cardinal Creek Subwatershed Study
Results of 2006 Terrestrial/Aquatic Features Inventory and
Progress Update for 2007**

Thank you for allowing our study team to access your property during the summer of 2006. We appreciate your cooperation.

Seventy-eight landowners allowed us to access their properties within the study area during 2006. As a result of this strong community support for the project, we were able to:

- ✓ Confirm/update boundaries of natural areas
- ✓ Confirm natural characteristics, including species and habitats

As promised last year, we are providing you with a summary of the information gathered during the 2006 fieldwork. The summary is available in both English and French; please contact us if you would like to request a translated copy. The overall study findings for each natural feature are presented, rather than a specific report for your property. The package includes:

- ✓ Study area map showing the location of all natural features
- ✓ Map(s) of the specific natural feature(s) associated with your property
- ✓ Summary table showing how each natural feature was assessed
- ✓ List of breeding birds identified in each natural feature within the study area

To find out what we discovered about the natural feature(s) located on or adjacent to your property, you should first identify the code number(s) at the top of this letter and on the

individual feature map(s) provided. This code number will help you locate the natural feature(s) on the study area map and in Table 1, which summarises the findings for each feature. An explanation of each item in Table 1 can be found in the accompanying text. You can also use the code number to see which birds were found in the natural feature. We hope this information will be interesting and useful to you.

We will need to conduct some additional field investigation during the summer and fall of 2007, particularly along the creeks and other watercourses within the study area. The purpose of the additional fieldwork will be to:

- ✓ Document existing characteristics of the watercourse and adjacent lands, including plant and animal species and wildlife habitat features (of both the land and the water)
- ✓ Characterise the existing physical condition of the watercourse and its banks

At this time, we **do not** expect to need access to your property in 2007. If this expectation changes, we will contact you to request your permission.

The information collected during the 2006 and 2007 field investigations will be used in the development of the subwatershed plan for the Greater Cardinal Creek Subwatershed Study.

The City will be hosting an open house in the late fall of 2007 to present the field study results and ask for community input into the subwatershed plan. We will advertise the date and location of the open house in the newspapers and on the study's web page at http://ottawa.ca/city_services/environment/city/management/subwatershed/cardinal_creek_en.html. I hope you will continue to participate in this study.

If you have any questions regarding the results of the fieldwork, please contact me at (613) 580-2424 ext. 14873 or by e-mail at Amy.MacPherson@ottawa.ca. Thank you very much for your cooperation.

Sincerely,



Amy MacPherson, Planner
Environmental Sustainability
Planning, Transit and the Environment

Attach.

Nicholas Stow
Senior Planner, Land Use and Natural Systems
City of Ottawa
110 Laurier Avenue West, 4th Floor
Ottawa, Ontario
K1P1J1

Date

Addressee

Dear Sir/Madam:

Re: Cardinal Creek Subwatershed Study

The purpose of this letter is to inform you that the City of Ottawa is considering the identification of a portion of your property at _____, as a significant natural landscape linkage.

The City of Ottawa will soon complete the Greater Cardinal Creek Subwatershed Study. This planning study will provide guidance on future land uses, environmental protection, and protection of natural features.

Under Ontario's Planning Act and the Provincial Policy Statement 2014, municipalities must identify significant natural features and habitats in their land use plans, based on environmental studies and Provincial criteria. The _____ on your property have been found in the subwatershed study to provide a _____. I am informing you of the City's intention to identify this feature with a *natural heritage overlay* on Schedule L1 of the City's Official Plan.

A *natural heritage overlay* would not change the underlying land use designation or zoning on your property. Nor would it alter any of the current or permissible uses of the land. It would serve as a trigger for the requirement of an *Environmental Impact Statement*, in the event of any future development application for your property, such as an Official Plan Amendment, Zoning By-law Amendment, Severance or Site Plan Application. The *Environmental Impact Statement* would need to demonstrate that the proposed development could proceed without a negative impact on the ecological functions for which the property has been identified as significant.

The *natural heritage overlay* only applies in the event of a development application. It is a municipal planning tool. It is unrelated to any other Federal or Provincial Act or Regulation, and it does not impose any other constraints on use of the property.

If you have any questions about how the City has identified your property as significant, or if you wish to express any concerns or comments, I would be very pleased to speak with you. I can be reached at 613-580-2424 (ext. 13000) or by e-mail at nick.stow@ottawa.ca. The City will also hold an Open House in your area

prior to completion of the study. I will notify you of the time and place of the Open House by mail.

Sincerely

Nick Stow, Senior Planner

Attach. Subwatershed Management Plan: Natural Heritage Features (draft).

**Notice of Study Completion for
Slope Stability Projects**