








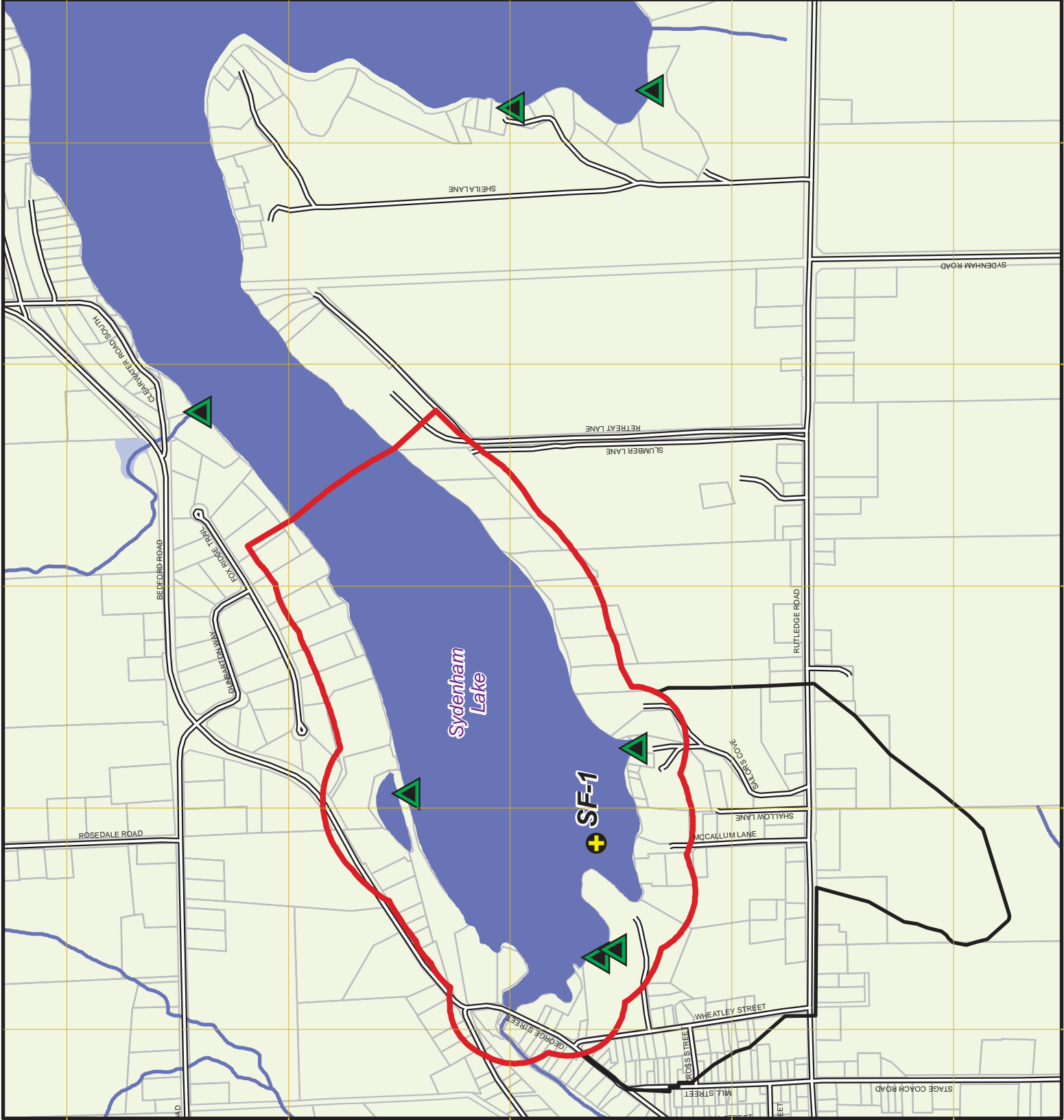


APPENDIX D

IPZ MAPPING

Village of Sydenham Transport Pathways

-  Transport Pathways
-  Surface Water Intake
-  Sydenham IPZ1
-  Sydenham IPZ2
-  Major Roads
-  Streams
-  Waterbodies
-  Wetland Area
-  Parcels



4920000

4919500

4919000

4918500

4918000

373000









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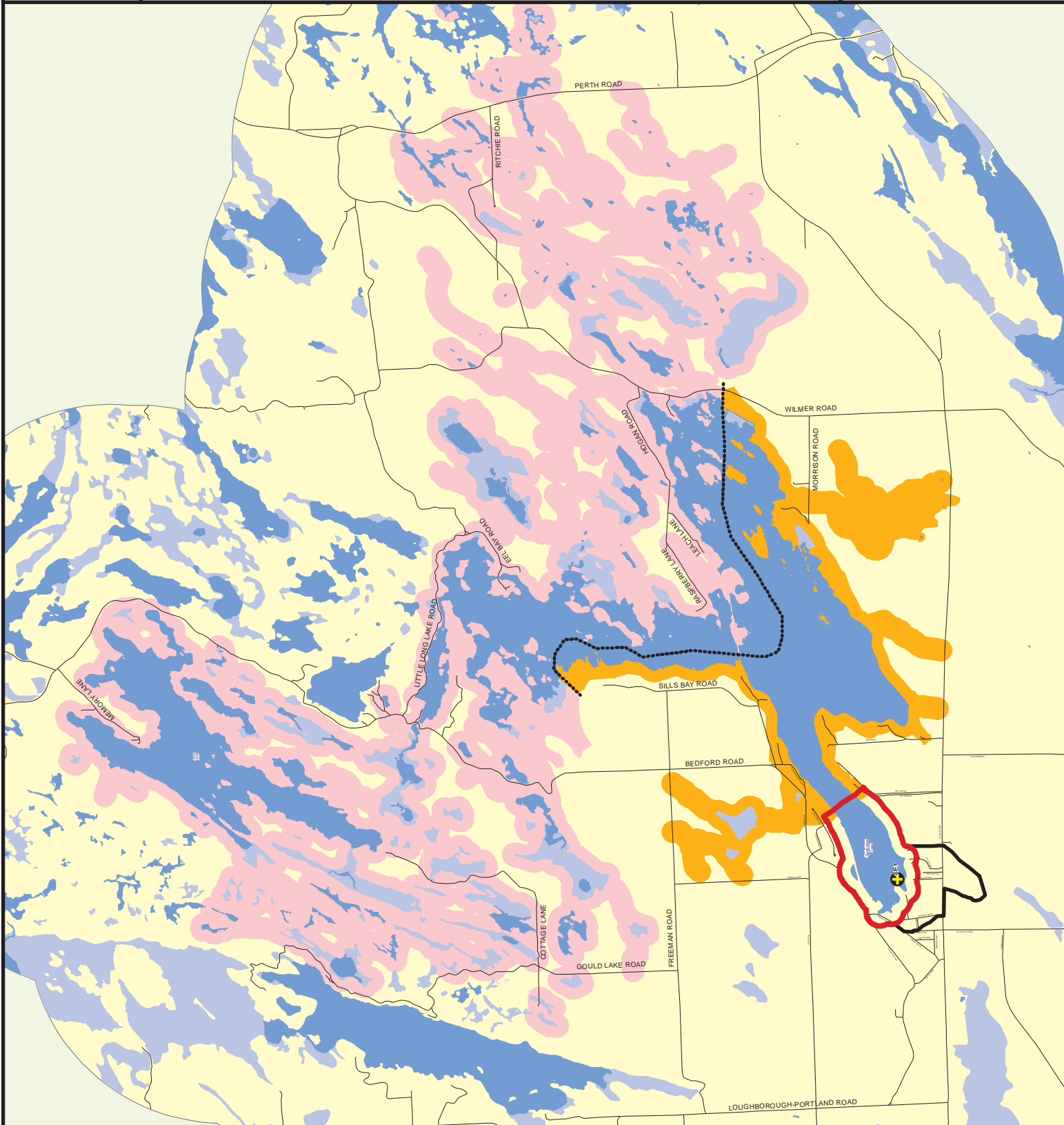
374000

374500

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Village of Sydenham IPZ-1, IPZ-2 and IPZ-3

-  Surface Water Intake
-  IPZ-1
-  IPZ-2
-  IPZ-3A
-  IPZ-3B
-  Major Roads
-  Waterbodies
-  Wetland Area



APPENDIX E

QUALITATIVE ISSUES ASSESSMENT TABLE

Evaluation of Drinking Water Issues

Municipality: Township of South Frontenac
Community: Sydenham
Drinking Water Source: Sydenham Lake
Issues Review Date: September 2009

Information Sources:
 Annual Water Quality Reports: 2006-2008
 MOE Inspection Reports: 2007
 XCG Sampling: 2006-2007
 Pre-Design Report: 1988, 2002

PWQMN Data: N/A
Sydenham WTP Pilot Study: 2000, 2002-2005
KFL&A Health Unit Sampling: 2006-2008
DWIS

Parameter	Identified From										Compare Water Quality Data to Benchmarks				Confirm Data Reliability					Evaluate Trends				Operational Consideration	Drinking Water Issue	
	Annual Water Quality Reports	MOE Inspection Reports	XCG Sampling	PWQMN Data	Sydenham WTP Pilot Study	DWIS	KFL&A Health Unit Sampling	Raw Water Quality Data	Treated Water Quality Data	Raw Water Quality Exceeds Benchmark	Treated Water Quality Exceeds Benchmark	Above Detection Limit	Sufficient Data	Persistent (Always, >90%)	Majority of Tests (40-90%)	Occasionally (5 - 40%)	Rarely (<5%)	Anomalous Circumstance	Data Reliable	Trend Reviewed	Increasing	Reducing	No Trend/Uncertain			Will Exceed ODWS within 50 Years
Schedule 1: Microbiological																										
Total Coliforms	Y	N					Y	Y	N	N	Y	Y	Y	Y				N	Y	Y				N	Y	NO
E.coli	Y	N	Y				Y	Y	N	N	Y	Y	Y		Y			N	Y	Y		Y		N	Y	NO
Schedule 2: Chemicals																										
Arsenic	Y	Y	Y			Y	Y	Y	Y	N	Y	Y	Y		Y			N	Y	Y	Y			N	Y	NO
Lead	Y	Y	Y			Y	Y	Y	Y	N	Y	Y	Y		Y			N	Y	Y	Y			N	Y	NO
Nitrate	Y	Y	Y			Y	Y	Y	Y	N	Y	Y	Y		Y			N	Y	Y	Y			N	Y	NO
Table 4: Objectives and Guidelines																										
Aluminum	Y	Y	Y				Y	Y	N	Y	Y	Y	Y		Y			N	Y	Y				N	Y	NO
Colour	Y						Y	Y	Y	Y	Y	Y	Y		Y			N	Y	N				Y	Y	YES
DOC	Y						Y	N	Y	Y	Y	Y	Y		Y			N	Y	Y				Y	Y	YES
Hardness	Y		Y				Y	Y	Y	Y	Y	Y	Y		Y			N	Y	Y				Y	Y	YES
pH	Y		Y				Y	Y	Y	N	Y	Y	Y		Y			N	Y	Y				Y	Y	YES
Sodium	Y		Y				Y	Y	Y	N	Y	Y	Y		Y			Y	N	Y				Y	Y	NO
Temperature	Y		Y				Y	N	Y	Y	Y	Y	Y		Y			N	Y	Y	Y			Y	Y	YES
Turbidity	Y		Y		Y		Y	N	Y	Y	Y	Y	Y		Y			N	Y	Y	Y			N	Y	YES

APPENDIX F

GENERIC LETTER TO LAND OWNERS



PRIVATE & CONFIDENTIAL

July 21, 2009

Name
Company Name
Address Line 1
Address Line 2

Dear _____,

I am writing with regard to your property at << street name and number in the Township of South Frontenac, which is near a source of municipal drinking water (the Sydenham Water Treatment Plant). As you are probably aware, activities on the land near sources of drinking water have the potential to affect the quality and quantity of that water.

A local committee, set up under the Ontario *Clean Water Act, 2006*, is working to create a plan by 2012 to protect sources of drinking water in our area. The Cataraqui Source Protection Committee includes people from the local area who come from many backgrounds, including municipalities, industry, farming, tourism, and the environment. The Cataraqui Region Conservation Authority is working with the Committee to identify and assess land uses and activities that are located near municipal water intakes and wells. More information is available at www.cleanwatercataraqui.ca, and in the attached fact sheet.

As part of the process to develop a Source Protection Plan we are involving people living and working within the vulnerable areas near municipal water intakes and wells. Your knowledge can help to ensure that the work being done is accurate and complete. Your assistance is respectfully requested in evaluating activities that are (or have been) undertaken on your property including those that may be providing a benefit to water.

Please be assured that this planning process is governed by privacy legislation. Personal information collected will be held in confidence, and will not be disclosed to the public. The information will be used by the Source Protection Committee for planning purposes, and it will be provided to you for confirmation before it is used. There will be opportunities for you to participate in the process, and we will send you a notice in advance of open houses and other related events in your community.

The source protection work at Sydenham is being completed by the Conservation Authority with assistance from a local company called XCG Consultants Ltd. A staff person from the company will contact you by phone during the next two weeks, and they may wish to arrange a mutually convenient time to visit your property.

If you have any questions, please do not hesitate to contact me at (613) 546-4228 ext. 224 or via e-mail at robmcrae@cataraquiregion.on.ca.

Yours truly,

Rob McRae MCIP, RPP
Project Manager, Source Water Protection

Attachment: Drinking Water Source Protection in the Cataraqui Source Protection Area (May 2009)