

**2025**

**Septic Re-Inspection Program Report**



# Rideau Lakes

Prepared For: Township of Rideau Lakes  
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Septic Inspector  
January 6, 2026



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## Executive Summary

For 2025, the inspection goal is 400, with 347 inspections completed on 321 properties with . Inspections took place on Big Rideau, Crosby, Little Crosby, Lower Rideau, Mud, and Upper Rideau Lakes. Approximately 174 inspections were conducted on water access properties.

Participants were asked to return the questionnaire included in the information package to the Mississippi Rideau Septic System Office (MRSSO). Appointment dates were outlined in the property owner's package. Owners were given the opportunity to arrange a new appointment, if required.

The table on the right breaks down the number of inspections completed for each lake. As a result of the program, 184 systems were identified as having no concern, 99 requiring remedial work, 11 requiring more information, and 53 system replacements required.

The inspections began on June 2<sup>nd</sup>, 2025, and the last inspection was completed on October 24<sup>th</sup>, 2025. Most of the inspections were completed in the months of June, July and August.

Lake	Inspections
Big Rideau	209
Crosby	87
Little Crosby	11
Lower Rideau	1
Mud	7
Upper Rideau	32
<b>Total</b>	<b>347</b>

In conclusion, the re-inspection program was able to:

- Identified 28.5% of systems inspected required remedial work to continue to function properly.
- 53 systems required replacement/repairs.
- 347 re-inspections completed on 327 properties.
- Met with 202 (58%) property owners to provide information regarding the maintenance and operation of their sewage system.



## **1.0 Introduction**

A working sewage system is an integral part of any home or cottage not serviced by the municipal sewer. As such, proper maintenance and operation of the sewage system is essential to the continued life of the system. A Septic Re-Inspection Program provides:

1. Participants with information and advice regarding the proper operation and maintenance of their septic system;
2. A proactive approach to identifying risks to human health or the natural environment;
3. A database of inspected existing septic systems that can be used as a planning tool for municipalities.

Malfunctioning on-site sewage systems can have negative impacts on both human health and the environment beyond the property on which it is located. Nutrient and bacteria-rich effluent can travel through soil and rock fractures to surface water bodies and ground water sources. Contamination of surface water can cause excessive aquatic plant growth, depletion of oxygen in lakes, and impact the natural habitat for aquatic species. Ground water contamination can cause illness and even death. This makes it crucial that property owners be aware of the location and operation of their sewage system. Under the Ontario Building Code (OBC) it is the property owner's responsibility to ensure that their sewage system is working properly, not only for their health, but also that of the surrounding community and environment.

In 2011, the OBC was amended to include Section 1.10. "Sewage System Maintenance Inspection Programs". Section 1.10 was developed to support the implementation of Mandatory Maintenance Inspections as required through the Clean Water Act and Source Water Protection Plans, but also provide an enforcement framework for Principal Authorities to implement mandatory sewage system maintenance inspection programs in areas not included in the Source Water Protection Plans. In 2015, the Township of Rideau Lakes enacted By-Law 2015-49 under Section 1.10.1 of the OBC (Appendix C).

All classes of sewage systems are inspected to ensure they are being maintained and operated in conformity with Section 8.9 of the OBC. A report is completed on-site, and systems are determined to either be of no concern at the time of inspection, require remedial work, require replacement, or more information is needed. In cases of systems which require replacement, the Rideau Valley Conservation Authority conducts enforcement of the systems implemented through a new agreement signed this year. The enforcement is deemed complete once the deficiency is corrected, which can include removal of the system, or the submission of a permit application to the Building Department at the Township. Chief Building Official (CBO) is also emailed a copy of the re-inspection report form.

The results for the 347 inspections completed in 2025 were compiled and this report is the culmination of those efforts.



## **2.0 Program Initiation**

### **2.1 Criteria for Selection of Properties**

In Spring 2007, the Township of Rideau Lakes approached the Rideau Valley Conservation Authority and requested a proposal for conducting a Re-Inspection pilot program for the Township. The proposal was accepted by the Township of Rideau Lakes and the initial voluntary re-inspection program was started.

In the Fall of 2015, the Township of Rideau Lakes passed By-law 2015-49 (Appendix C) to create a Discretionary Maintenance Inspection Program (*OBC Div. C, 1.10.1*). In 2025, mandatory inspections were completed on Big Rideau, Crosby, Little Crosby, Lower Rideau, Mud, and Upper Rideau. Approximately 174 water access systems were inspected.

A mailing list of selected properties for participation is provided to MRSSO from the staff at the Township of Rideau Lakes. The objective of the mailing list is to select developed properties with sewage systems 10 years or older and that have not been re-inspected before.

### **2.2 Re-Inspection Protocol**

After receiving the participant list, a Property Owner Information package is mailed out to each property owner informing them of the re-inspection program, what their participation would entail, a description of the inspection to take place, and a two-sided questionnaire to be completed by the property owner and returned to our office.

Property owners were notified of their appointment in the property owner package and were given the opportunity to arrange a new appointment if required. The MRSSO's target is to schedule ten appointments per day.

Once a participant has contacted our office either by returning the questionnaire, calling, faxing, or emailing, the information is recorded in the database under four different categories. The categories are:

- Appointment,
- Returned,
- New Appointment,
- Removed from list (permit number or reason recorded).

If a property owner had not contacted our office either by returning the questionnaire, calling, faxing, or emailing, the MRSSO still conducted a site visit on the pre-scheduled appointment in the property owner package. If no one was present on site, as a courtesy, a program information postcard was left with instructions to contact the MRSSO and schedule an inspection. If an inspection was not scheduled, MRSSO conducted another site visit and completed the re-inspection, if possible. If the inspection could not be completed either an enforcement letter was sent and/or an Order to Comply would be sent.



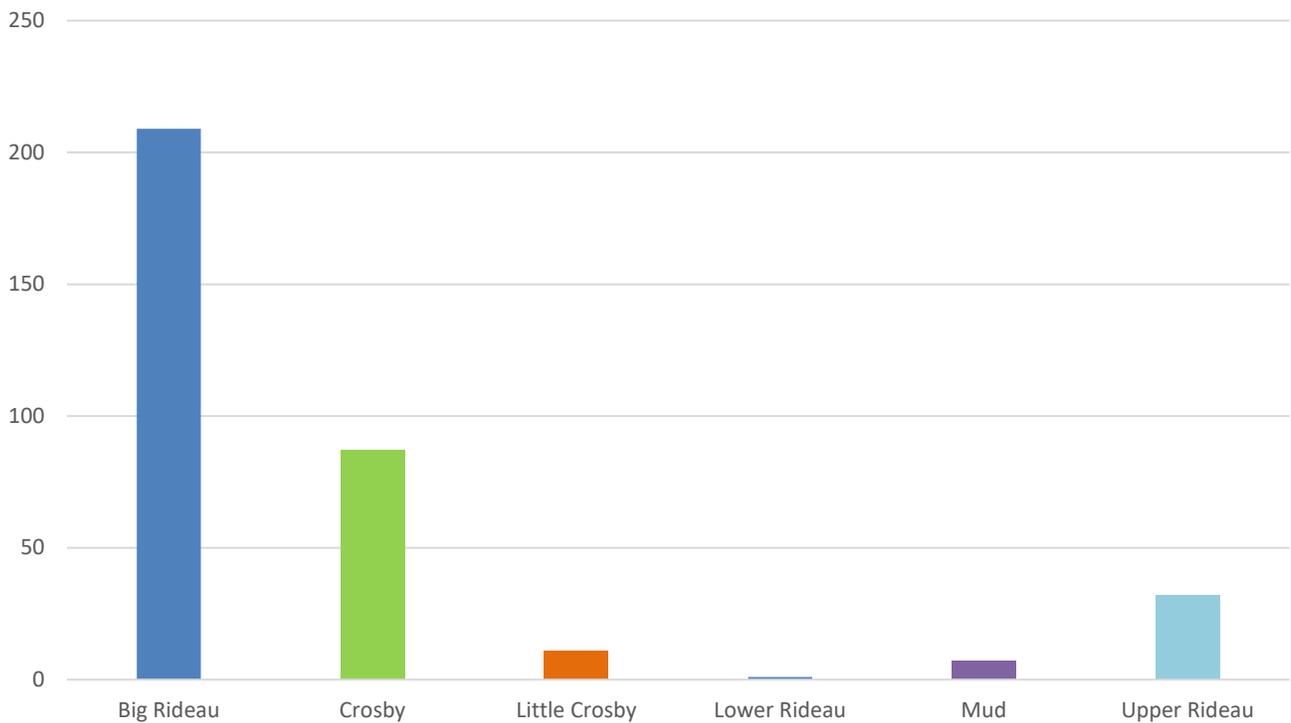
The sewage system re-inspections in Rideau Lakes were conducted from June 2<sup>nd</sup> to October 24<sup>th</sup>, 2025.

### 3.0 Results and Discussion

#### 3.1 Distribution of Sewage System Re-Inspections

The re-inspection program resulted in 347 inspections and 321 properties visited in 2025 shown in Figure 1.

Figure 1 - Properties Inspected



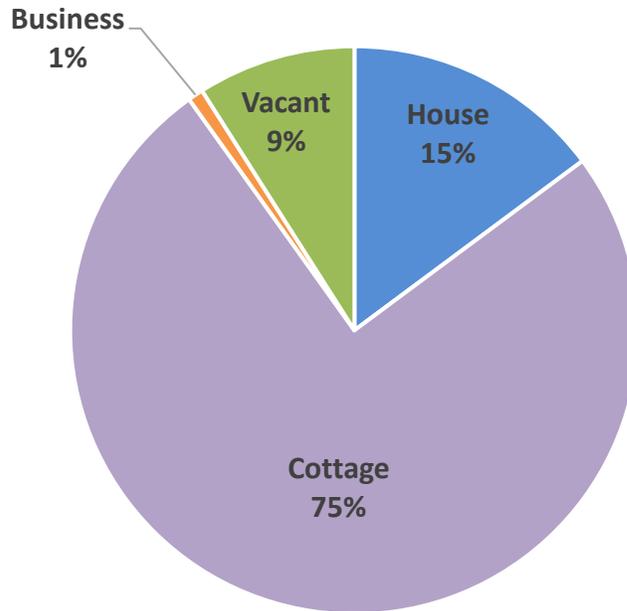
From information collected through site visitations, records of mailing addresses and observations at the time of the inspection, the 321 properties were defined as a cottage, house, business, or vacant (Figure 2). While year-round residential properties generate more wastewater and have the potential to contribute more nutrients to surface water bodies, seasonal properties often have older sewage systems which are more likely to contribute nutrients. Therefore, a mix of both seasonal and year-round residential properties is desirable.

During the 2025 program, many properties primary use was either identified or determined to be “cottage”. A property was determined as a cottage (seasonal) if the mailing address for the owner was different from the property address, unless indicated otherwise on the questionnaire. Properties that were developed with accessory structures (garage, sheds, abandoned house,...) were also selected and inspected, resulting in 31 properties being inspected and classified as “vacant”, as they did not a habitable dwelling. Two properties were



identified as not qualifying for the re-inspections program as the design flow for the property was assessed greater than 10,000L/day or sewage was treated on a different lot than it was produced.

Figure 2 - Property Use



### 3.2 Age & Class of Sewage System

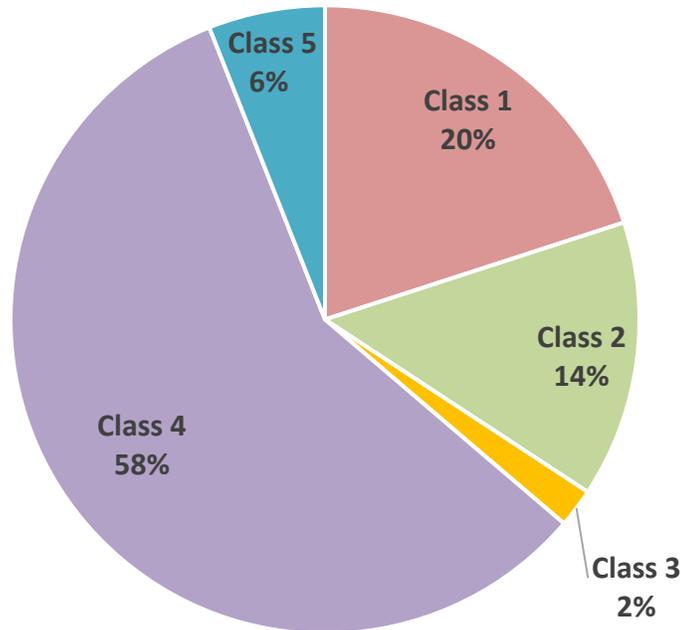
There are five primary classes of wastewater treatment systems identified in Part 8 of the OBC as outlined below.

- Class 1 - Earth Pit, Vault, Pail, Portable Privies and Composting Toilets
- Class 2 - Greywater Systems
- Class 3 - Cesspools
- Class 4 – Septic Tank and Leaching Field
- Class 5 – Holding Tanks

Figure 3 displays the primary type of on-site wastewater system for each property where it was known, either from the visual inspection or from information provided by the property owner. A Class 4 sewage system was most prevalent and was found on 234 of the properties inspected.



Figure 3 - Septic System Class Distribution



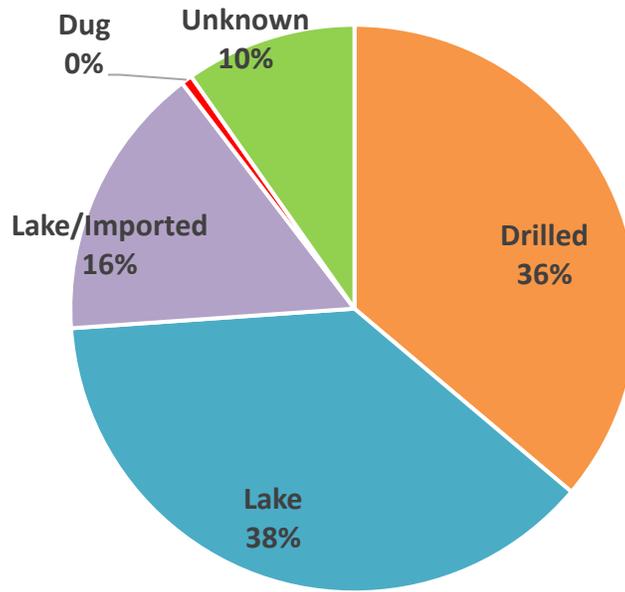
It is common, and many times is necessary, for properties to have more than one class of system present on the property. For instance, if the primary class of system is a privy (Class 1), then generally a Class 2 system is required for greywater treatment. It is strongly recommended that property owners with a Class 4 or Class 5 system direct all sources of greywater to that system unless they have an approved Class 2 system. Ninety-eight properties were found to have more than one class of system in use.

### 3.3 Wells and Drinking Water

During the field inspection, information was also collected with regard to the water source and water testing practices of the property owners. During the visual inspection, if a pipe pumping water from the water body was visible and no well was located on the property, then the water source was assumed to be the lake and recorded as such. If no pipe was visible and a well was located, then the water source was recorded as a drilled well. Information provided by the property owner is the most accurate. Figure 4 shows the percentage of systems for each category of water source. Information was requested regarding the level of treatment of the water before consumption (water softener, UV filter, reverse osmosis, iron filter, etc.) if the property owner was present on site.



Figure 4 - Water Source Distribution

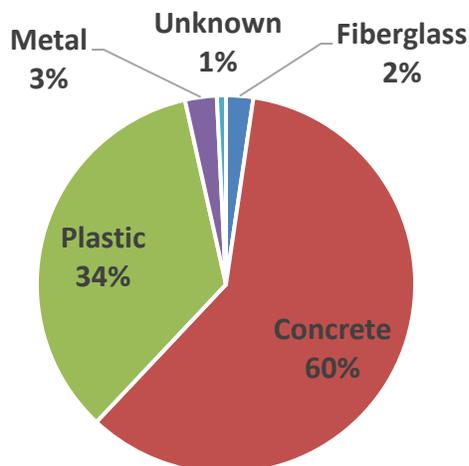


Although the Leeds, Grenville and Lanark Health Unit has free water testing available for residential properties and water bottles are available for pick up at their office in Smiths Falls and Brockville, many property owners noted that they do not test their drinking water regularly.

### 3.4 Tank Inspection

The material of the tank was observed during the tank inspection. If the tank was not uncovered for the re-inspection, the tank location was determined by using a soil probe. The probe was also used to determine the construction material by the sound/feel it created. Of the 347 re-inspections, 258 septic and holding tanks were inspected. Figure 5 shows the breakdown of tank materials found: concrete, plastic, fiberglass, and metal.

Figure 5 - Tank Material



As a result of the re-inspection program, 7% (17) of concrete/metal tanks had signs of corrosion (Illustration 1). Concrete corrosion can be caused by a build-up of gases from normal operation reacting with the concrete. The corrosion can cause baffles to fall off and/or effluent to escape around the outlet pipe.



*Illustration 1 - Concrete Corrosion Around Outlet Baffle*

Effluent filters are generally a plastic screen with narrow slots (1.6 mm opening) which allows the effluent to pass through and helps retain solids in the tank. Not only does the effluent filter reduce solids, but it allows bacteria to grow on the surface providing further treatment. The combined effect means low strength effluent enters the leaching bed which can extend the life of the system. The OBC requires an effluent filter in all new systems installed since 2006; septic installers or sewage haulers can install a filter into an existing tank upon request. Although filters function passively, they do require regular maintenance to ensure proper operation. Regular maintenance requires the filter to be removed from its housing and rinsed off into the septic tank. The MRSSO recommends annual cleaning of the filter. As shown in Illustration 2, an unmaintained effluent filter can clog, potentially causing sewage break-out to the surface of the ground or even a back-up in the dwelling. 34% of Class 4 systems inspected had an effluent filter installed.



*Illustration 2 – Clogged Effluent Filter*

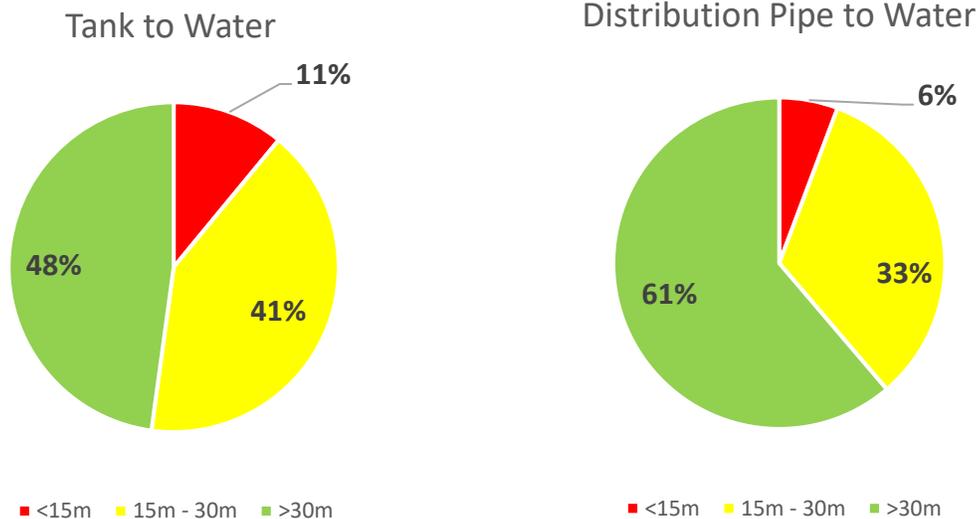


### 3.5 Separation Distances

Horizontal separation distances are measured from the dwelling, lot line, well and shoreline to the sewage system components. Figure 6 represents the separation distance measured from septic tanks and distribution pipes to the surface water. The measurements were sorted into three categories:

- Less than 15 m (<15 m) – Does not meet OBC or Zoning By-Law requirements
- Between 15 m – 30 m – Meets OBC but does not meet Zoning By-Law requirements for new development
- Greater than 30 m (>30 m) – Meets OBC and Zoning By-Law requirements for new development.

Figure 6 – Water Setback



Although a reduced separation distance does not necessarily provide evidence of ground or surface water contamination, it is important to recognize that these systems are present.

### 3.6 Sewage System Status

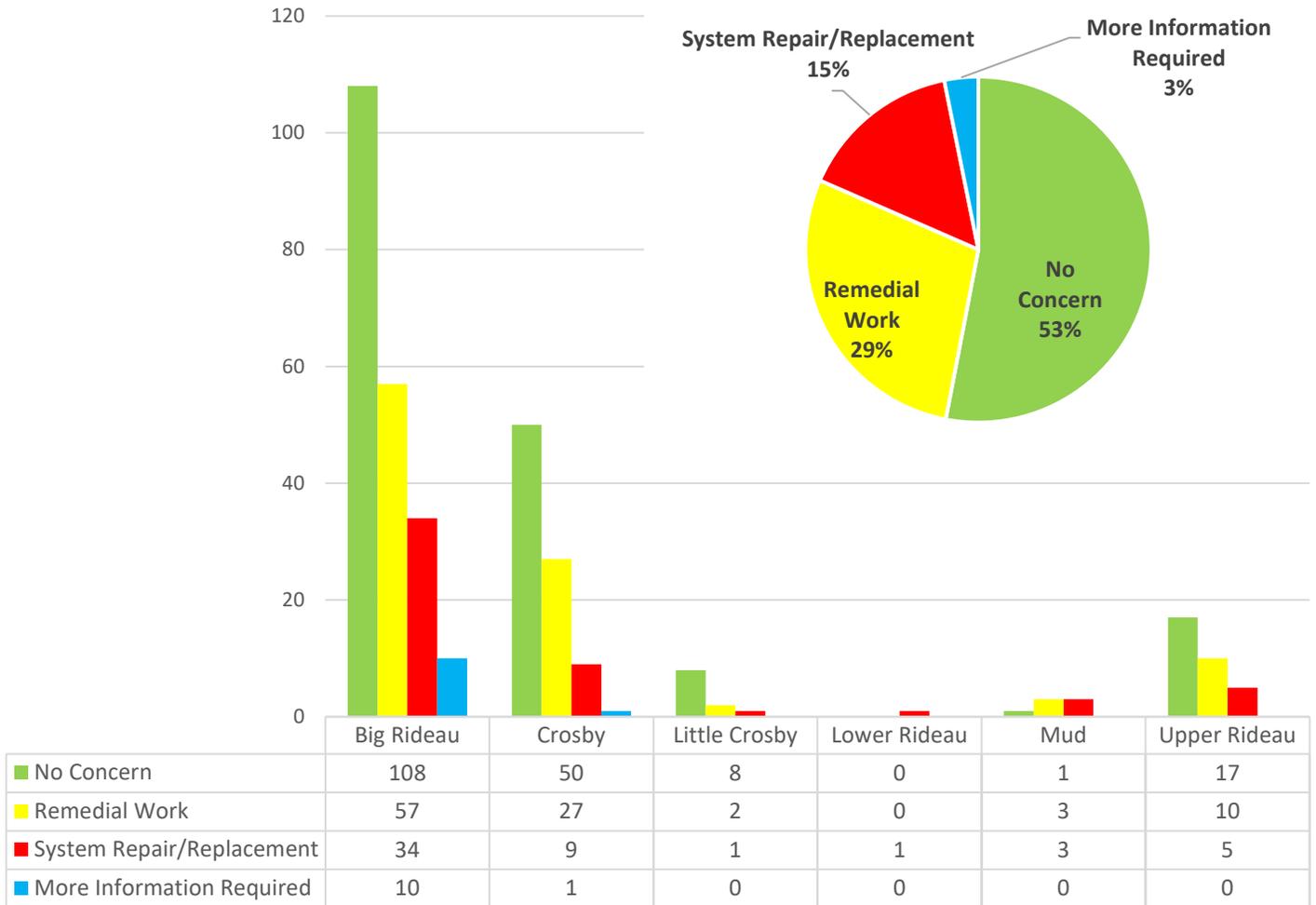
When completing an inspection of the existing sewage system, the MRSSO has developed the following terms to identify the overall septic system status or condition, as shown in Figure 7:

- **No Concern** – At the time of inspection there were no operational and/or maintenance issues identified.
- **Remedial Work Required** – At the time of inspection operational and/or maintenance issues were identified, but generally do not require a permit to remedy.



- **More Information Required** – At the time of inspection one or more questions arose regarding the class of system, location of components, water source, pumping, maintenance and/or operation of the system.
- **System Repair/Replacement Required** – At the time of inspection it was determined that the on-site system was not being maintained or operated properly and was posing or could pose a risk to human health or the environment.

Figure 7 - System Status



Every septic system requires regular maintenance to ensure it is operating efficiently, effectively and safely. System deficiencies are generally classified as remedial work item(s). Table 1 illustrates the most common deficiencies found during the re-inspection program



Table 1 - System Deficiencies

<b>Pump out Recommended/Required</b>	<b>46</b>
<b>Monitor Corrosion</b>	<b>17</b>
<b>High Level Alarm Recommended</b>	<b>14</b>
<b>Baffles require maintenance (broken/missing)</b>	<b>7</b>
<b>Reinspection Required</b>	<b>1</b>
<b>Total</b>	<b>85</b>
<b>*Note: some systems have more than one maintenance issue.</b>	

### 3.7 Follow-up and Enforcement

Properties that the MRSSO feels are of significant threat to the environment and/or public health were classified as “system repair/replacement required”. In 2024, an agreement between the Rideau Valley Conservation Authority (RVCA) and the Township was entered regarding enforcement. Through this agreement, the RVCA will conduct follow-up enforcement for systems that require replacement. As part of the follow-up, the RVCA consults with the Township and property owners on possible solutions. For systems identified as requiring repair/replacement, property owners may have been sent an enforcement letter and/or an Order to Comply under the Building Code Act. Enforcement is deemed complete once the deficiency is corrected, which can include removal of the system, or the submission of a permit application to the Building Department at the Township.

### 3.7 Program Participation

The Township of Rideau Lakes Re-inspection program’s target is:

- 400 Mandatory inspections

Site visits were conducted at 327 properties, with 347 re-inspections completed. There were 202 (58%) homeowners present during the inspection, allowing the inspector to provide valuable information about the maintenance and operation of their septic system.

## 4.0 Program Review

Since 2007 the MRSSO has been administering the Voluntary Sewage System Re-Inspection and since 2016, the Discretionary Maintenance Inspection Program. The following table is the results of the inspections over the twelve years of the programs.



*Table 2 - Program Results 2007-2025*

Year	No Concerns	Remedial Work	System Replacement	More Information	Total
2025	184	100	52	11	347
2024	187	179	27	0	393
2023	186	142	68	7	403
2022	120	157	19	0	296
2021	147	133	30	0	310
2020	136	132	25	2	295
2019	134	138	22	10	304
2018	82	44	1	4	131
2017	55	59	4	9	127
2016	34	18	1	2	55
2015	18	16	1	2	37
2014	28	42	6	1	77
2013	33	66	0	1	100
2012	27	48	1	2	78
2011	32	63	1	5	101
2010	53	32	4	11	100
2009	52	42	3	4	101
2008	57	36	5	3	101
2007	42	51	5	2	100
<b>Total</b>	<b>1607</b>	<b>1498</b>	<b>275</b>	<b>76</b>	<b>3456</b>

## **5.0 Conclusions**

The 2025 program completed 347 re-inspections on 321 properties. Seventy-three properties were removed as they were vacant shoals or didn't qualify for the program. 29% of the systems inspected required remedial work and 15% required partial or full replacement. It should be noted that age was not a significant factor in the system deficiencies identified. Of larger impact is the diligence on behalf of the property owner with regards to operation and maintenance of the septic system.

Interaction with property owners during the re-inspection program this year was very positive. 58% of property owners were able to be present during the re-inspection. Most property owners encountered were very supportive of the re-inspection program.

Participation in this program is one step towards protecting groundwater and surface water and the continued enjoyment of a clean, healthy waterfront environment for generations to come.



## Appendix A: Property Owner Information Package

10970 Hwy. 7, Carleton Place, ON K7C 3P1  
T (613) 253-0006 F (613)253-0122 [mrssso@mvc.on.ca](mailto:mrssso@mvc.on.ca)



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## 5 Easy Steps to Your Mandatory Sewage System Re-Inspection Program

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We are pleased to provide free re-inspections on a number of septic systems including:

- Earth Pit Privies and Composting Toilets
- Greywater Pits
- Cesspools
- Septic Tanks & Leaching Fields
- Holding Tanks

Our professional, impartial staff are registered Building Official Inspectors who will provide advice on your current, care and maintenance and possible replacement options.

Here are the five steps of the Septic Re-inspection Program — from start to finish.

### Step 1 — Complete and return the attached questionnaire

Do the best you can to complete the attached questionnaire and submit it by:

Fax: 613-253-0122

Email: [mrssso@mvc.on.ca](mailto:mrssso@mvc.on.ca)

Mail: MRSSO 10970 Hwy. 7, Carleton Place ON K7C 3P1

Questionnaire can be filled out and returned online at <https://bit.ly/mrssso>

The goal of the questionnaire is to provide us with some basic information about your system and where it is located.

### Step 2 — Scheduled appointment

The re-inspection of your property at **Inspection location** is mandatory and will be conducted

**Date** If you would like to arrange an alternative inspection appointment, please contact our office - 613-253-0006 option 3 or [mrssso@mvc.on.ca](mailto:mrssso@mvc.on.ca).





## Rideau Lakes

1439 County Road 8, Delta, ON K0E 1G0  
T. 613.928.2251 | 1.800.928.2250 | F. 613.928.3097  
[rideaulakes.ca](http://rideaulakes.ca)

### RIDEAU LAKES SUPPORTS A HEALTHY ENVIRONMENT FOR ALL TO ENJOY THE SEPTIC MANDATORY RE-INSPECTION PROGRAM IS AN IMPORTANT PART OF COUNCIL'S ENVIRONMENTAL STRATEGY

**March 2024**

Did you know that the Township has over 5200 waterfront properties across 32 lakes that have a total area of over 33,000 acres? Did you know the Township has over 840km of shoreline? That is more shoreline than Highway 401 is long from Windsor to Quebec!

For over 15 years the Township of Rideau Lakes has had a voluntary septic re-inspection program. Mandatory Re-inspections have been in place since 2016 within the Township and this is an important program to implement requirements of the *Clean Water Act*. If you took part previously in the voluntary program and your system was in good condition, it is unlikely you need to participate again at this time. If you did not participate previously or are new to the lake **your participation is required**.

A properly functioning septic system is an integral part of a healthy shoreline environment. Improperly maintained systems can be a significant contributor of nutrient and bacteriological pollution into an adjacent water body. The key to proper maintenance and operation of an on-site sewage system is education. The Mandatory Septic re-inspection Program is aimed at achieving a better understanding of system function, owner intervention and preventative measures. The costly implications of poor maintenance are significant to the owner and to the community. The success of the voluntary re-inspection program so far shows owners are committed to protecting their lake lifestyle, as is the Township. Information and advice are welcomed despite the fact that in some instances remedial action may be required.

The Mississippi/Rideau Septic System Office (MRSSO), on behalf of the Township of Rideau Lakes, will be conducting re-inspections in your area this summer and your property has been selected to be included in the mandatory component of the program. If you wish to be present during the mandatory re-inspection of your property, appointments will be made on a first come, first served basis during the dates outlined in the accompanying program description. If it is not convenient for you to be present for the inspection, you are not required to be present. In addition, we are asking that you have your septic tank located and the lids exposed (excavated) prior to the arrival of MRSSO staff.



Your active involvement in the Mandatory Septic re-inspection Program begins with reading the attached Program description. Please fill in the accompanying questionnaire to the best of your ability. After the mandatory re-inspection is completed the re-inspection form will be emailed or mailed and a post card with the results of the inspection will be left in a secure, visible location on your property. This form will state the status of the system and any deficiencies present. Advice on proper maintenance can be obtained at the time of inspection or by contacting the MRSSO if you are not able to be present on-site. If necessary, the MRSSO will initiate a dialogue and define an action plan with owners of systems deemed to be a concern to the environmental/public health or which are found not to be in compliance with Part 8 of the Ontario Building Code.

Any comments about the Program in general or Council's strategy can be directed to me, Malcolm Norwood at 1-800-928-2250 ext. 236 or [mnorwood@rideaulakes.ca](mailto:mnorwood@rideaulakes.ca). Program specifics or questions about your involvement in the Program should be directed to the MRSSO, (613) 253-0006 option 3.

On behalf of Council, thank you in advance for your co-operation.

Sincerely,

Malcolm Norwood

Manager of Development Services

#### **PROGRAM AUTHORITY**

The Province of Ontario has delegated the responsibility to regulate on-site sewage systems (with total daily design flow of less than 10,000 litres per day) to municipalities. The authority to do so was transferred from the Environmental Protection Act to Part 8 of the Ontario Building Code which defines a sewage system as a "building". Implementation of Code requirements is meant to ensure proper installation, operation and maintenance of on-site sewage systems. A sewage system that is discharging effluent onto the surface of the ground, or that has not been maintained or operated in accordance with the Code is determined to be an unsafe "building". Any remedial action required will be addressed pursuant to the Ontario Building Code.

**PERSONAL INFORMATION** collected as part of the Septic Mandatory re-inspection Program will be used to facilitate communication between the Township, MRSSO and individual owners and will be protected in a confidential manner in accordance with the Municipal Freedom of Information and Protection of Privacy Act. A summary report, containing no owner names, will be prepared for public viewing. Questions about the collection of personal information should be directed to Brittany Mulhern





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## 5 Easy Steps to Your Mandatory Sewage System Re-Inspection Program

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Questionnaire can be filled out and returned online at <https://bit.ly/mrsso>

The goal of the questionnaire is to provide us with some basic information about your system and where it is located.

### Step 2 — Scheduled appointment

The re-inspection of your property at **«LOCATION»** is mandatory and will be conducted on **«INSPECTION DATE»**. If you would like to arrange an alternative inspection appointment, please contact our office - 613-253-0006 option 3 or [mrsso@mvc.on.ca](mailto:mrsso@mvc.on.ca).



### Step 3 — Dig Your Lids

The MRSSO asks that you expose both lids on your septic tank (most tanks have two).

The MRSSO will re-cover the tank, **upon request**, when the inspection is completed (**at no cost**) unless it is determined that a pump-out is required. The tank inspection includes a visual inspection of the tank components and measurement of sludge and scum in the tank.

**Please do not pump a septic tank before inspection.**

### Step 4 — Inspection

The septic re-inspection will include the following:

- Location of all system elements
- Measurement of separation distances to key lot features
- Visual inspection of tank structure
- Measurement of tank contents:
  - **Please do not pump a septic tank before inspection.**
- Visual inspection of bed
- Briefing the homeowner on proper system maintenance and operation.

### Step 5 — Review your Re-inspection Report

A copy of the septic re-inspection report will be left for the property owner.

Our primary goal is to educate property owners about their septic system and any deficiencies it may have. Our secondary goal is to ensure that unsafe systems are reported to the appropriate Authority, based on the requirements of Part 8 of the *Ontario Building Code*. Staff will let you know of any funding assistance that may be available for septic replacement.

Property owners can expect the re-inspection, results, and all inquiries to be dealt with in a professional manner.

Thank you in advance for your co-operation in our program.

Working together we can protect our watershed resources. Your participation in this program will ensure a safe home with healthy groundwater and surface water and the continued enjoyment of a clean, healthy waterfront environment for generations to come.

Yours truly,



Eric Kohlsmith, MRSSO Re-inspection Program Coordinator  
613-253-0006 ext. 256  
mrssso@mvc.on.ca



### Questionnaire

Please fill out as much information as possible, **as best as you can**, and return to the above address. Old septic or well records are excellent resources for the more technical questions. Mark any applicable boxes. If you select '**Other**' please specify. Please use the space noted as '**Correction**' to correct any of the supplied information. On the reverse, please identify the location of your septic system and other property features. Please **sign** the form to verify the information that has been provided.

Property Owner			<i>Correction – New Property Owner, Spelling of Name...</i>			
Mailing Address			<i>Correction – New Mailing Address...</i>			
Telephone Number ( ) ( )	Alternate Number ( ) ( )		Email Address			
Re- Inspection Property Location	Length of Ownership		Lake Name / Village			
	Property Size	# Bedrooms	Floor Area			
Roll Number						
Property Use	Residential <input type="checkbox"/>	Cottage/Seasonal <input type="checkbox"/>	Commercial <input type="checkbox"/>	Farm <input type="checkbox"/>	Other <input type="checkbox"/>	
General Location of Tank	Do you require assistance locating/excavating your tank?*		Yes <input type="checkbox"/>		No <input type="checkbox"/>	
			* There is no charge of for this service			
	Inspection Date:					
Sewage System Type	Class 1 <input type="checkbox"/> Outhouse/Composting	Class 2 <input type="checkbox"/> Greywater pit	Class 3 <input type="checkbox"/> Cesspool	Class 4 <input type="checkbox"/> Septic Tank & Leaching Field	Class 5 <input type="checkbox"/> Holding Tank	
Tank Information	Concrete <input type="checkbox"/>	Plastic <input type="checkbox"/>	Fiberglass <input type="checkbox"/>	Metal <input type="checkbox"/>	Advanced Treatment Unit Yes <input type="checkbox"/> No <input type="checkbox"/>	
Date of Last Pump out			Pump Out Frequency			
Greywater Pit Structure	Earth <input type="checkbox"/>	Rock <input type="checkbox"/>	Wood <input type="checkbox"/>	Sewage Pump Yes <input type="checkbox"/> No <input type="checkbox"/>	High Level Alarm Yes <input type="checkbox"/> No <input type="checkbox"/>	
	Earth <input type="checkbox"/>	Rock <input type="checkbox"/>	Wood <input type="checkbox"/>	Composting Toilet Yes <input type="checkbox"/> No <input type="checkbox"/>	Overflow? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Date System(s) Installed			Sewage System Permit #			
Water Source	Drilled <input type="checkbox"/>	Dug <input type="checkbox"/>	Lake <input type="checkbox"/>	Imported <input type="checkbox"/>	Drinking Water Treatment Yes <input type="checkbox"/> No <input type="checkbox"/>	Type of Treatment

Participant Signature: \_\_\_\_\_ Participant Name: \_\_\_\_\_  
(Signature) (Please Print)





*Appendix B: Description of Site Inspection*

**Proposal 1: Visual Inspection & Septic Tank Inspection and Management Program**

- ✓ Measure depth of solids (sludge and scum layers) in tank
- ✓ Estimate a homeowners individual pumping frequency based on future use remaining consistent with past use
- ✓ Identify any leaking tanks, or potential pipe blockages
- ✓ Ensure septic tank baffles are present and in working order
- ✓ Promote the installation of effluent filters, and septic tank risers
- ✓ Record all information in database, including last record of pump-out
- ✓ Identify any obvious problems with the septic system
- ✓ Confirm that separation distances are met as per the OBC
- ✓ Check for illegal wastewater discharges
- ✓ Record GPS values of all sewage systems, and wells
- ✓ Document all findings on each property in a GIS compatible database
- ✓ Provide informative pamphlets on septic system care and maintenance
- ✓ Liaise with the township building officials to insure Part 8 compliance of properties identified as deficient in the re-inspection program.

Estimated Septic Tank Pumping Interval in Years

Tank Size (L)	Household Size (Number of People)									
	1	2	3	4	5	6	7	8	9	10
1,890	5.8	2.6	1.5	1.0	0.7	0.4	0.3	0.2	0.1	
2,840 (2,700)	9.1	4.2	2.6	1.8	1.3	1.0	0.7	0.6	0.4	0.3
3790 (3,600)	12.4	5.9	3.7	2.6	2.0	1.5	1.2	1.0	0.8	0.7
4,730	15.6	7.5	4.8	3.4	2.6	2.0	1.7	1.4	1.2	1.0
5,670	18.9	9.1	5.9	4.2	3.3	2.6	2.1	1.8	1.5	1.3
6,620	22.1	10.7	6.9	5.0	3.9	3.1	2.6	2.2	1.9	1.6
7,570	25.4	12.4	8.0	5.9	4.5	3.7	3.1	2.6	2.2	2.0
8,520	28.6	14.0	9.1	6.7	5.2	4.2	3.5	3.0	2.6	2.3
9,460	31.9	15.6	10.2	7.5	5.9	4.8	4.0	4.0	3.0	2.6



## Appendix C: Ontario Building Code References

### OBC 8.1.2.1. Classification of Systems

- Class 1 – all privies (portable, earth pit, vault, chemical, incinerating and composting).
- Class 2 – a greywater system
- Class 3 – a cesspool
- Class 4 – a leaching bed system
- Class 5 – a holding tank

### OBC Table 8.2.1.5. Clearance Distances for Sewage Systems

8.2.1.5(1)	Horizontal distance(m) from a well with watertight casing to a depth of at least 6m	Horizontal distance (m) from a spring used as a source of portable water or well other than a well with watertight casing to a depth less than 6m	Horizontal distance (m) from lake, river, pond, stream, reservoir or spring not used as a source of portable water	Minimum horizontal distance to property line
<i>Earth Pit Privy</i>	15	30	15	3
<i>Privy Vault Pail Privy</i>	10	15	10	3
<i>Greywater System</i>	10	15	15	3
<i>Cesspool</i>	30	60	15	3

### OBC 8.2.1.6. Minimum Clearances for Classes 4 and 5

#### Minimum Clearances for Treatment Units (m)

Structure	1.5
Well	15
Lake	15
Pond	15
Reservoir	15
River	15
Spring	15
Stream	15
Property Line	3



Minimum Clearances for Distributing Piping (m)

Structure	5
Well with a watertight casing to a depth of	15
Any other well	30
Lake	15
Pond	15
Reservoir	15

River	15
A spring not used as a source of potable	15
Stream	15
Property Line	3

Minimum Clearances for Holding Tanks (m)

Structure	1.5
Well with a watertight casing to a depth of	15
Any other well	15
Spring	15
Property Line	3



## Program Authority

### Section 1.10. Sewage System Maintenance Inspection Programs

#### 1.10.1. Discretionary Maintenance Inspection Programs

##### 1.10.1.1. Scope

(1) This Subsection governs, for the purposes of subsection 34 (2.1) of the Act, *maintenance inspection programs* established under clause 7 (1) (b.1) of the Act in respect of *sewage systems*.

##### 1.10.1.2. Application and Inspections

(1) A *maintenance inspection program* referred to in Sentence 1.10.1.1.(1) shall apply to all *sewage systems* in the area affected by the *maintenance inspection program*.

(2) A *maintenance inspection program* referred to in Sentence 1.10.1.1.(1) shall provide that, subject to Article 1.10.1.3., an *inspector* shall inspect all *sewage systems* affected by the *maintenance inspection program* for compliance with the standards prescribed under clause 34 (2) (b) of the Act in relation to *sewage systems* that are enforced by the program.

##### 1.10.1.3. Certificate as Alternative to Maintenance Inspection

(1) A *principal authority* that establishes a *maintenance inspection program* in respect of *sewage systems* may, as an alternative to conducting an inspection of a *sewage system* required under Sentence 1.10.1.2.(2) accept a certificate described in Sentence (2) from the owner of the property on which the *sewage system* is located.

(2) The certificate referred to in Sentence (1) shall,

(a) be in a form approved by the *Minister*,

(b) be signed by a person described in Sentence (3), and

(c) confirm that the person,

(i) has conducted an inspection of the *sewage system* to which the certificate relates, and

(ii) is satisfied on reasonable grounds that, on the date on which the certificate is signed, the *sewage system* to which the certificate relates is in compliance with the standards prescribed under clause 34 (2) (b) of the Act in relation to *sewage systems* that are enforced by the *maintenance inspection program*.

(3) Subject to Sentence (4), the following persons are authorized to sign a certificate referred to in Sentence (1):



- (a) a person registered under Article 3.2.4.2. in the class of registration set out in Column 1 of Item 10 of Table 3.5.2.1.,
- (b) a person registered under Article 3.3.3.2.,
- (c) an *architect*,
- (d) a *professional engineer*.

**(4)** A person shall not sign a certificate referred to in Sentence (1) if the person would be in a conflict of interest.

**(5)** For the purposes of Sentence (4), a person would be in a conflict of interest if the person, or an officer, director, partner or employee of the person (where the person is a corporation or partnership), or any person engaged by the person to perform functions for the person,

- (a) has participated or participates, in any capacity, in *design activities* or *construction* relating to any part of the *sewage system* to which the certificate relates,
- (b) is or has been employed within the previous 180 days by a person who carried out *design activities* or *construction* relating to any part of the *sewage system* to which the certificate relates,
- (c) has a professional or financial interest in,
  - (i) the *construction* of the *sewage system* to which the certificate relates,
  - (ii) the *sewage system* to which the certificate relates, or
  - (iii) the person responsible for the design of the *sewage system* to which the certificate relates, or
- (d) is an elected official, officer or employee of a *principal authority*.



**BY-LAW NUMBER 2015 - 46**

**THE CORPORATION OF THE TOWNSHIP OF RIDEAU LAKES  
SEWAGE SYSTEM MAINTENANCE INSPECTION PROGRAMS**

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**WHEREAS**, malfunctioning on-site sewage systems can have significant negative impacts on both human health and the environment;

**AND WHEREAS**, in 2008, the Corporation of the Township of Rideau Lakes (the "Township"), implemented a sewage system maintenance inspection program for waterfront properties based on voluntary participation by property owners;

**AND WHEREAS**, Section 7(1)(b.1) of the *Building Code Act, 1992*, S.O. 1992, c. 23, as amended (the "Act"), authorizes the council of a municipality to pass by-laws establishing and governing sewage system maintenance inspection programs in accordance with Division C, Part 1, Section 1.10 of the *Building Code Act, 1992 - Ontario Regulation 350/06*, as amended (the "Building Code"), including mandatory programs;

**AND WHEREAS**, Council considers it desirable for the protection of the health, safety and well-being of persons and the environmental well-being of the municipality to exercise its authority to implement a hybrid (voluntary and mandatory) sewage system maintenance inspection program;

**NOW THEREFORE BE IT RESOLVED THAT**, the Council of the Corporation of the Township of Rideau Lakes enacts as follows:

**1. GENERAL REGULATIONS**

- 1.1 THAT**, the hybrid sewage system maintenance inspection program will apply to all properties located in the areas and in the manner described in Schedule "A" to this By-Law.
- 1.2 THAT** the By-Law Schedule can be amended by resolution of Council.
- 1.3 THAT** the Mississippi Rideau Septic System Office (MRSSO) is delegated the Principle Authority for the purposes of conducting mandatory sewage system maintenance inspections under Division C, Part 1.10.1 of the Ontario Building Code Act.

**2. BY-LAWS TO BE REPEALED**

- 2.1 All** by-laws or parts thereof and resolutions passed prior to this by-law which are in contravention of any terms of this by-law are hereby rescinded.



3. **ULTRA VIRES**

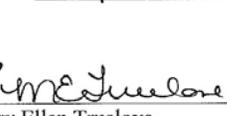
3.1 Should any sections of this by-law, including any section or part of any schedules attached hereto, be declared by a court of competent jurisdiction to be ultra vires, the remaining sections shall nevertheless remain valid and binding.

4. **EFFECTIVE DATE**

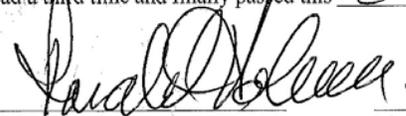
This By-law shall be effective as of January 1, 2016.

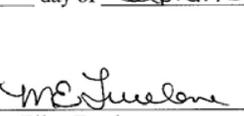
Read a first and second time this 8<sup>th</sup> day of September, 2015.

  
\_\_\_\_\_  
Ronald E. Holman  
Mayor

  
\_\_\_\_\_  
Mary Ellen Truelove  
Clerk

Read a third time and finally passed this 8<sup>th</sup> day of September, 2015.

  
\_\_\_\_\_  
Ronald E. Holman  
Mayor

  
\_\_\_\_\_  
Mary Ellen Truelove  
Clerk



