GEORGINA

Town of Georgina

2025 CLI ECA Annual Performance Report for the Stormwater Management System

Environmental Compliance Approval (ECA) 119-S701

Reporting period: January 1st – December 31st, 2025

Responsible Department - Division:

Operations and Infrastructure – Roads, Stormwater, and Forestry

Executive Summary

The Town of Georgina (herein referred to as the “Town” or the “Owner”) owns and operates the Municipal Stormwater Management System (herein referred to as the “Authorized System”), which collects, conveys, treats, and discharges stormwater runoff within the Town to receiving watercourses within the Lake Simcoe watershed.

The Authorized System is regulated under the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) No. 119-S701, issued on August 2, 2024 by the Ministry of the Environment, Conservation and Parks (MECP). The Town is responsible for monitoring, operating, and maintaining the Authorized System in a state of good repair to protect public health, property, and the natural environment, in accordance with the conditions of the CLI-ECA and applicable regulatory requirements.

This 2025 Annual Performance Report has been prepared in accordance with Schedule E – Operating Conditions of the Town’s Stormwater CLI-ECA No. 119-S701 and covers the reporting period from January 1 to December 31, 2025.

The authorized system includes storm sewers, roadside ditches and swales, stormwater management facilities (including wet and dry ponds, storage facilities, oil-grit separators), and Low Impact Development (LID) features, as defined in Schedule B of the ECA. The system is operated and maintained by multiple Town service areas, including Roads Services and Water/Wastewater Services, depending on asset type and location. The Infrastructure Planning and Capital Delivery Division supports the Stormwater Management System through contract administration and oversight for inspection programs, condition assessments, system upgrades, and capital planning initiatives.

This report summarizes system performance during the reporting year, including operating issues and corrective actions, inspection and maintenance activities, public complaints and inquiries, alterations to the authorized system, and ongoing improvement efforts, and serves as a key compliance record demonstrating the Town’s fulfillment of its obligations under the Stormwater CLI-ECA.

In 2025, the Town completed routine and reactive inspections and maintenance activities across the stormwater system, including storm sewers, roadside ditches, stormwater management facilities, and associated appurtenances. These activities included inlet and outlet inspections, sediment and debris removal, vegetation management, and localized repairs where required to maintain hydraulic function and environmental protection. The Town also responded to stormwater-related service requests and inquiries from the public, addressing concerns such as localized drainage issues and surface water conveyance in a timely manner.

Table of Contents

1. CLI ECA Requirement: Annual Performance Report

In accordance with Schedule E, Section 6 of the Town's CLI-ECA No. 119-S701, the Owner of the Authorized System is required to prepare and submit an Annual Performance Report to the MECP on or before April 30 of each calendar year.

This report summarizes the operation, monitoring, and maintenance activities undertaken during the reporting period of January 1 to December 31, 2025, and documents compliance with the applicable conditions of the CLI-ECA for the Town's Municipal Stormwater Management System.

This Annual Performance Report is organized to address the requirements of Schedule E and documents the following for the reporting period:

- monitoring and inspection activities completed for the Municipal Stormwater Management System;
- operating issues encountered and corrective actions undertaken;
- calibration, maintenance, and repair activities carried out on stormwater system assets;
- stormwater-related inquiries and complaints received and actions taken;
- alterations to the Authorized System completed in accordance with the CLI-ECA;
- any spills, abnormal stormwater discharges, or reportable adverse impacts to the natural environment, if applicable; and
- improvement initiatives undertaken to support the continued performance, reliability, and resilience of the stormwater system.

This structure is intended to provide a clear and transparent record of system performance and regulatory compliance, while supporting ongoing continuous improvement of the Town's stormwater management system.

Additionally, the Report shall:

- be submitted to the Director (MECP);
- be submitted to, or copied to, the MECP District Manager in any reporting year in which the event of any reportable adverse impact to the natural environment associated with the authorized system occurred; and
- be made available without charge to members of the public who are served by the Authorized System (upon request or by publishing the Report on the Town's website).

2. Municipal Stormwater Management System Overview

The Town's stormwater management system is designed to safely manage rainwater runoff, helping to reduce flooding and erosion risks while protecting residents, property,

and the natural environment. The system also improves water quality before stormwater enters streams, rivers and lakes. The system encompasses a combination of storm sewer mains and laterals, maintenance holes, catch basins, ditches, culverts, oil & grit separators, infiltration and exfiltration galleries, bioswales, and stormwater management ponds, all designed to collect and discharge stormwater within the Lake Simcoe watershed.

The Town's stormwater management assets are managed and maintained in accordance with the requirements of the Town's CLI-ECA No. 119-W601 and are supported by the Town's broader asset management framework. As documented in the Town's Asset Management Plan, the Town's stormwater system manages runoff and protects both the natural and built environment through a combination of linear, facility and low-impact development assets.

For asset management and reporting purposes, the Town's stormwater management assets are generally grouped into three primary categories:

- **stormwater linear assets**, including ditches, driveway culverts, roadway crossing culverts, sewer mains, sewer laterals and catch basins; and
- **stormwater facility assets**, including wet ponds, dry ponds, oil & grit separators and related equipment.
- **stormwater Low-Impact Development (LID) assets**, including infiltration and exfiltration galleries, and bioswales with media layers.

An inventory summary of the Town's stormwater management system assets is provided in Table 1. Mapping of the authorized system is maintained by the Town and supports operational planning, inspection programs, and regulatory reporting.

Table 1 – Stormwater Management System Overview

Asset Category	Asset	Quantity and Unit
Stormwater Linear	Sewer Mains	74 km
	Sewer Laterals	33 km
	Driveway Culverts	7,577 each
	Roadway Culverts	904 each
	Ditches	463 km
	Catch Basins	3,260 each
	Maintenance Holes	1,210 each
Stormwater Facilities	Stormwater Management Ponds	20 each
	Oil & Grit Separators	18 each

Asset Category	Asset	Quantity and Unit
Stormwater LID	Infiltration & Exfiltration Galleries	2 each
	Bioswales	1 each

Source: The Town's 2025 Proposed Level of Services and Financial Strategy Update

Please refer to Appendix A for mapping of the Authorized System.

3. Operating Problems and Corrective Actions Taken

Operating problems recorded within the Town of Georgina's Stormwater Management System during the reporting period are summarized in (Table 2). The primary issues observed were related to beaver activity and vegetation management at stormwater management facilities, along with isolated infrastructure maintenance needs such as minor fence repairs.

The Town addressed these issues in a timely manner through in-house maintenance and, where required, contracted services. Corrective actions included removal of beaver dams, wildlife relocation and monitoring, vegetation management around stormwater facilities, and localized fence repairs. These actions supported continued system performance and accessibility.

A review of stormwater-related corrective actions in 2025 are summarized in Table 2.

Table 2:Operating Problems and Corrective Action

Location	No. of Issues	Operating Problem	Corrective Action
Multiple SWMFs	7	Beaver activity	Beaver dams removed; wildlife relocation undertaken; ongoing monitoring implemented.
RETPOND03	1	Fencing Repairs	Repairs completed to fence posts and damaged sections.
Multiple SWMFs	Multiple	Vegetation Management and Removal	Vegetation removed and areas cleaned to maintain access and facility performance.

4. Inspection, Maintenance and Repairs

All SWMFs are inspected by Town Operators, with additional oversight and inspections completed by the Lake Simcoe Region Conservation Authority (LSRCA) through a collaborative partnership between LSRCA and the Town of Georgina. Town Operators

carry out scheduled inspections, calibration, maintenance, and repair activities, and respond to stormwater-related inquiries and complaints as they arise.

To support the effective operation of SWMFs, routine and preventive maintenance is delivered through a combination of in-house resources and contracted services. Contracted programs, including catch basin cleaning and ditching, are planned and scheduled annually. The Roads, Forestry, and Stormwater Division and the Water and Wastewater Division work closely with the Infrastructure Planning and Capital Delivery Division to coordinate system-wide activities such as CCTV inspections, sewer flushing, and ditching programs. The Capital Delivery team also manages rehabilitation, replacement, and full cleanout of storm sewer infrastructure, as required.

Routine inspection and maintenance activities undertaken during the reporting period included CCTV inspection of storm sewers, catch basin cleaning, annual inspections of SWM ponds, and preventive repairs to stormwater infrastructure. Tables 3 and 4 summarize the Town's routine inspection, maintenance, and monitoring programs and describe how collected data is reviewed and used to inform maintenance and corrective actions.

Table 3 – SWMF Maintenance Activities

Maintenance Program	Current Process	Interpretation of Monitoring Data
SWM Inspection and Maintenance Asset Risk Prioritization	Routine inspection and maintenance activities at each conventional SWM and LID feature that have been assumed and operated by the Town. This includes: i) routine annual inspections of SWM ponds, ii) water level monitoring and hydraulic assessment, iii) and sediment accumulation assessment via bathymetric survey (4 wet ponds).	Inspection data is recorded and reviewed against design drawings and applicable ECA requirements. Deficiencies or operating issues are flagged and work orders are generated for corrective action.
SWM Condition Assessments	The SWM condition assessments were established to ensure the as-built SWM facilities function in accordance with the approved design prior to assumption by the Town.	Findings are reviewed to verify conformance with approved design criteria and ECA requirements.

Table 4 – Storm Sewer Linear Maintenance Activities

Maintenance Program	Current Process	Interpretation of Monitoring Data
Sewer Flushing and CCTV Inspections	The CCTV inspection program collects structural, hydraulic, and location-based information on storm sewer infrastructure. All storm sewers within the Authorized System are targeted for inspection on a rolling cycle, with full system coverage anticipated approximately every 10 years.	Inspection results are reviewed to identify maintenance, rehabilitation, or replacement needs. Work orders are generated and, where appropriate, grouped into coordinated repair programs.
Catch Basin Cleaning	The Town targets cleaning of 25% of catch basins annually to remove debris, restore hydraulic capacity, and support proper system function.	Catch basin cleaning is delivered through contracted services. In 2025, other stormwater maintenance and improvement activities reduced debris accumulation within the system, allowing the Town to temporarily reallocate the contracted catch basin cleaning program, with the program planned to resume in a subsequent maintenance cycle.
Culvert and Ditching* Improvements	Ditching and culvert maintenance are undertaken on approximately 10% of open ditch systems annually to maintain drainage capacity.	Maintenance activities reduce localized flooding risk and improve conveyance performance, supporting overall system reliability.
Invasive Plant Removal	Manual removal of invasive and nuisance vegetation within Town-owned and managed parks, roadside ditches, watercourses, and natural areas.	Activities focus on controlling Phragmites and other invasive species to improve safety, access, and environmental conditions in public spaces.

Maintenance Program	Current Process	Interpretation of Monitoring Data
OGS Inspection	Routine inspection and maintenance of OGS units in accordance with manufacturer recommendations, operation and maintenance manuals and Town procedures.	Inspection findings inform maintenance and cleanout scheduling to maintain treatment effectiveness and prevent sediment carryover.
Annual Street Sweeping	Routine street sweeping to remove sediment, debris, and grit from roadways prior to entering the stormwater system.	Reduces sediment accumulation in catch basins and storm sewers, supporting system performance and reducing maintenance demand.

*With the approval of a dedicated Stormwater Technologist, significant effort in 2025 was directed toward establishing the Town's Open Ditch Inspection Program and organizing a backlog of more than 200 identified locations and concerns. The development of this program has improved how resident inquiries are tracked and managed, enhanced the quality and consistency of data to support future rate studies, and enabled the creation of prioritized work packages that include interim measures while multi-year capital design-build projects are advanced. Collectively, these efforts strengthen proactive system management and improve communication with residents.

Data collected through these maintenance programs can be used as an indicator of the overall performance of the Authorized System. This data assists:

- Identifying renewal and replacement needs for stormwater linear infrastructure, including storm sewers, culverts, and open drainage features, using both trenchless (e.g., cured-in-place pipe lining) and conventional rehabilitation or replacement methods;
- Informing decommissioning and disposal activities where stormwater assets are retired due to age, redundancy, or changes in system performance or capacity requirements;
- Supporting risk-based assessment of stormwater assets to prioritize maintenance, rehabilitation, and capital investment;
- Providing input to annual operating and capital budget development; and Assessing the overall condition and performance of the Authorized System.

5. Inquiries/Complaints

In 2025, the Town received a total of 295 stormwater related inquiries associated with the Municipal Stormwater Management System. A review of stormwater-related work orders completed in 2025 identified the following summary of complaints/inquiries received from residents, business owners, and identified by staff.

All reported items were reviewed and investigated, and corrective actions were undertaken where required. The majority of inquiries related to culvert performance and open ditch drainage, reflecting the scale and extent of the Town's stormwater conveyance network.

Table 5: Inquiries/Complaints

Category	Nature of Complaint	Cause	Actions
Culvert Inspection, Flushing, and Repair	119	Sediment accumulation, hydraulic capacity concerns, or age-related deterioration of roadway and driveway culverts	Culverts were inspected and flushed where required; measurements and surveys were completed to inform maintenance, rehabilitation, or replacement planning; follow-up communication with residents was undertaken.
Open Ditch Inspection and Drainage Concerns	115	Drainage performance, ditch condition, or capacity concerns	Site inspections were completed and documented. Locations were reviewed and assigned for follow-up through the Open Ditch Inspection Program and, where appropriate, incorporated into maintenance or capital planning programs.
Catch Basin Maintenance	10	Debris accumulation restricting flow	Catch basins were inspected and cleared as required; observations were documented to inform future maintenance activities.
Other Stormwater Related Inquires	51	Localized drainage or stormwater flow concerns not tied to a single asset type	Site investigations were completed and appropriate follow-up actions were identified, including maintenance, monitoring, or referral to other departments where applicable.

The following outlines the typical corrective actions undertaken in response to stormwater management system inquiries and complaints:

- Initiation of site investigations and follow-up communication with residents.
- Implementation of immediate on-site measures, where applicable, to minimize potential impacts or safety risks.

- Assessment and determination of appropriate corrective actions, including unplanned maintenance activities or prioritization of follow-up repairs where required.
- Creation and tracking of work orders to address identified deficiencies or corrective maintenance needs.
- Coordination and collaboration with other municipal departments or external authorities, as applicable, for inquiries not directly related to the Authorized System.

6. Alterations to the Authorized System

As per CLI-ECA #119-S701, the Town can authorize low-risk municipal alterations to the Authorized System when the permit's Schedule D criteria are met. Once new infrastructure is assumed, the Town takes on the duty of operating and maintaining it to ensure safety and reliability. These operations and maintenance activities are necessary to ensure the system continues to perform as designed. Table 6 summarizes all alterations to the Authorized System that were authorized by the Town within the reporting period. There were no alterations that posed a significant drinking water threat (SDWT).

Table 6: Alterations in 2025

Alteration to the Authorized System / Project Name	Location	Description of Work	Form	Does this Alteration Pose a SDWT
Logistics Court	Extension of Logistics Court to the east to end of road.	New 283.6m of 1200mm Concrete storm	SW1	No
Cap Court	Extension of Cap Court to the east to end of road.	New 122.4m of 450mm Concrete STM & 99.9m of 375 PVC storm	SW1	No
Urbanization of Queensway North	Storm Sewers along The Queensway North from Old Homestead (approx. MH33) to 570m south of Old Homestead Road approx. MH32)	New 525mm to 975 mm Concrete STM pipes.	SW1	No
Orchidtrail Subdivision Phase 1, Danny Wheeler Blvd, Keswick	Storm sewers on Danny Wheeler Blvd (from west property limit to Woodbine Ave.), Woodbine Ave (from Danny Wheeler Blvd	New Storm sewers	SW1	No

Alteration to the Authorized System / Project Name	Location	Description of Work	Form	Does this Alteration Pose a SDWT
	south approx. 82m), Max Bulmer Court (from Danny Wheeler to dead end at approx. 35m east of Alfred Garvey Gate), Donald Ingram Crescent (from west property line at Starlish Ph3 to Danny Wheeler), Calvin Seaman Gate (from Danny Wheeler to Max Bulmer Court), Alfred Garvey Gate (from Danny Wheeler to Max Bulmer Court), Thomas Smith Street (from 35m south of Danny Wheeler to Old Homestead Rd.), discharging to proposed SWM Pond on west side of Thomas Smith Street.			
Stormwater management facility alteration Orchidtrail Subdivision Phases 1, 2, and 3	SWM Pond #1 E&2E, will provide quality and quantity control for the Orchidtrail Development for all three development phases. The pond will also accept flows from external drainage areas located to the south and east of the subject property. The pond is located on the west side of Thomas Smith Street.	New SWM facility	SW2	No

7. Summary of Spills and Abnormal Discharges

A spill is defined as the discharge of a substance into the natural environment that is abnormal in quantity or quality, having regard for all circumstances of the discharge. In accordance with regulatory requirements, any spill events are reported to the MECP Spills Action Centre (SAC), as applicable. Table 7 summarizes all spills or abnormal discharges associated with the Authorized Stormwater Management System that occurred during the reporting period.

Table 7: Summary of Spills

Date of Event	Location	Description	SAC Ref #	Corrective Action
February 22, 2025	Wexford Drive, west of Woodbine Avenue	A hydraulic fluid spill (approximately 40L) from sidewalk plow within the sidewalk.	1-hrzv9b	SAC was notified. Town staff responded and contained the spill
June 8, 2025	23550 Woodbine Avenue	fuel tank struck bollard by receiving dock at rear of Walmart (private property).	1-OJJNL3	SAC was notified. Spill was contained to single catch basin and did not enter storm pond at west side of property. Vac truck on site cleaning catch-basin, absorball and pads being used in parking lot.
July 2, 2025	199 Simcoe Ave	Raw sewage was overflowing from the manhole cover that travelled down the property across the sidewalk on Metro Road South and onto the road edge towards the nearest catch basin south of the spill location.	1-00APSJ	SAC was notified. Town staff contained the spill with spill kit. Vac truck on-site for cleanup.
July	18 Riveredge	During contractor's	N/A	Contractor had

Date of Event	Location	Description	SAC Ref #	Corrective Action
24, 2025	Drive	repair of water service, the backhoe blew a fuel line.		taken action to secure the area and clean the spill.

8. Calibration of Monitoring Equipment

Calibration and maintenance activities are performed according to manufacturers' recommendations. There was no monitoring equipment within the Authorized System requiring calibration or maintenance during the reporting period.

9. Interpretation of Environmental Trends

As per CLI-ECA #119-S701 Schedule E Section 4.0 requirements, the Town is required to develop and implement a Monitoring Plan for the Authorized System on or before June 30, 2026, or within 24 months of the date of the publication of the Ministry's monitoring guidance, whichever is later.

The Ministry's monitoring guidance has not yet been released. The Town will develop a Monitoring Plan based on the guidelines within the timeline stipulated above. This section of the report will be populated in subsequent reporting years following the implementation of the Monitoring Plan. Environmental trends will be analyzed thereafter.

10. Improvement Efforts to the Stormwater Management System

The Town takes a proactive and systematic approach to identifying and addressing opportunities for improvement within the stormwater management system, with the objective of enhancing overall system performance, minimizing the potential for adverse environmental impacts, and optimizing the use of capital and operational resources. Through a combination of in-house and contracted inspection and maintenance programs, as outlined above, the Town routinely evaluates system performance, prioritizes corrective actions, and implements targeted improvements.

Based on monitoring and maintenance activities completed during the reporting period, the Authorized Stormwater Management System is performing well. The inspection, monitoring, and maintenance programs summarized in Tables 3 and 4 support the protection of the Town's natural environment and contribute to the reliable operation of stormwater infrastructure. The Town remains committed to continuous improvement by strengthening foundational processes, enhancing data quality, and advancing programs that support effective operations, informed decision-making, and long-term system sustainability.

11. Status of Actions from Previous Reporting Period

This is the Town's first Stormwater Management System Annual Performance Report and thus, there is no progress update to previously identified system improvements.

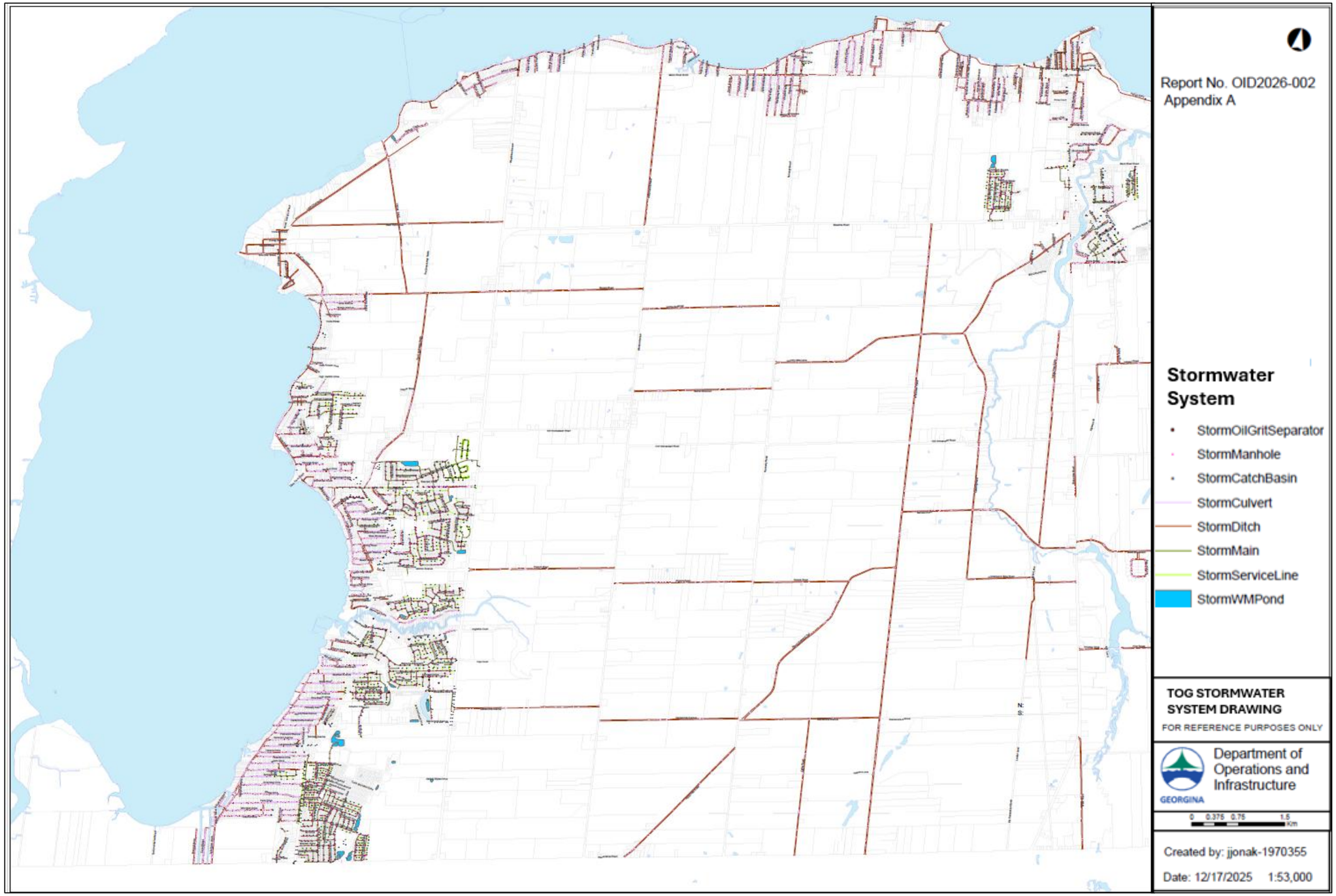
Summary

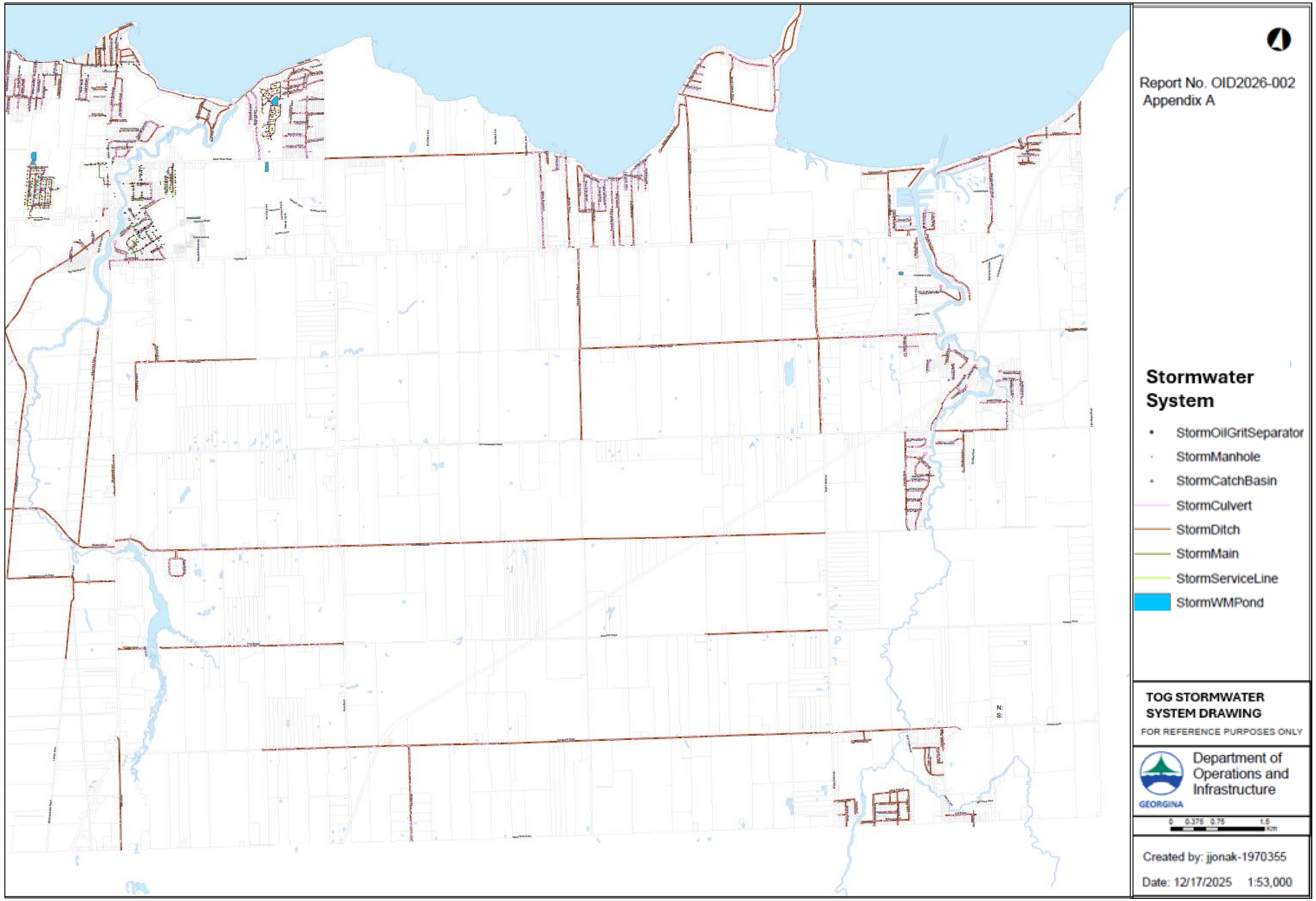
The Town of Georgina's Stormwater Management System, operated by the Roads, Stormwater, and Forestry Division, is routinely inspected and maintained in accordance with established operating and preventive maintenance practices. Required repairs are addressed in a timely manner, and stormwater-related inquiries and complaints are investigated and responded to as appropriate.

The Town continues to implement targeted initiatives to enhance system performance, reduce the potential for adverse environmental impacts, and support the efficient use of existing infrastructure. These efforts contribute to informed capital planning, improved service delivery, and the long-term sustainability of the stormwater system.

APPENDIX A:

Overview Map of the Authorized System


Report No. OID2026-002
Appendix A
Stormwater System
StormOilGritSeparator
StormManhole
StormCatchBasin
StormCulvert
StormDitch
StormMain
StormServiceLine
StormWMPond
TOG STORMWATER SYSTEM DRAWING
FOR REFERENCE PURPOSES ONLY
Department of Operations and Infrastructure
GEORGINA
0 0.375 0.75 1.5 Km
Created by: jjonak-1970355
Date: 12/17/2025 1:53,000


Report No. OID2026-002
Appendix A
Stormwater System
StormOilGritSeparator
StormManhole
StormCatchBasin
StormCulvert
StormDitch
StormMain
StormServiceLine
StormWMPond
TOG STORMWATER SYSTEM DRAWING
FOR REFERENCE PURPOSES ONLY
Department of Operations and Infrastructure
GEORGINA
0 0.375 0.75 1.5 Km
Created by: jjonak-1970355
Date: 12/17/2025 1:53,000