



Greenstone Stormwater Management System

ECA Number: 225-S701

Annual Performance Report

For the period: January 1, 2025 to December 31, 2025

Prepared by: Municipal Water Solutions Inc.

For: The Municipality of Greenstone

Date prepared: April 29, 2026

Questions about this report should be directed to:

Brian Aaltonen

Director of Public Services

P 807-854-1100 ext. 2060

brian.aaltonen@greenstone.ca

1. Introduction

This report has been prepared for the Greenstone Stormwater Management System in accordance with the requirements outlined in Section E, Condition 5.2 of ECA Number 225-S701. It covers system activities between January 1, 2025, and December 31, 2025.

2. System Description

The Greenstone stormwater management system comprises five settlement areas, or wards, within the Municipality of Greenstone: Beardmore, Caramat, Geraldton, Longlac and Nakina. The stormwater system services residential lands, open space, commercial, light industrial and institutional properties. Stormwater flows are collected and conveyed by storm sewers, swales, ditches and culverts. There are no stormwater management facilities in the system. Storm system details for each ward are described below.

Beardmore

The storm network in Beardmore is roughly 80% swales, ditches and culverts and 20% piped. The main area serviced by storm pipes and catchbasins is along Highway 11, between John Road and Garnet Drive. The storm system discharges into Blackwater River via two piped outlets.

Caramat

The storm network in Caramat consists of swales, ditches, and culverts, without storm pipes or catch basins. Ditches eventually outlet to Caramat Lake and/or Durn Lake.

Geraldton

Most of the Geraldton stormwater system is piped, with some swales, ditches and culverts capturing stormwater along the outside streets. The storm network discharges to Hardrock Creek or Kenogamisis Lake via 13 piped outlets.

Longlac

The Longlac storm network is roughly 60% swales, ditches, and culverts and 40% piped. The main areas serviced by storm pipes and catchbasins include Forestry Road, Bayview Street, Court Street, Belleview Crescent, John Street, and Centennial Drive, north of Woodcrest Drive. Nine piped outlets discharge to Long Lake, Making Ground River, or Kenogami River.

Nakina

The storm network in Nakina is roughly 90% swales, ditches and culverts and 10% piped. The main area serviced by storm pipes and catchbasins runs along Algoma Street between North Avenue and Railway Avenue and extends on Railway Avenue between Main Street and Quebec Street. The piped system outlets to Howard Creek.

3. Monitoring Plan and Data

Once the Ministry of Environment, Conservation and Parks (MECP) publishes monitoring guidance, Schedule E, Condition 4.0 of ECA Number: 225-S701 requires the Municipality of Greenstone to develop and implement a monitoring plan for the stormwater management system.

As of the date of this report, the MECP has not published monitoring guidance. There is no data to interpret.

4. Environmental Trends

As of the date of this report, the MECP has not published monitoring guidance. There are no environmental trends to report.

5. Operations

During the reporting period, the Municipality performed routine inspection and maintenance activities in the stormwater system and any operating problems were addressed promptly to ensure the system performed as intended. The Municipality launched a formal inspection and maintenance program in late 2025, including documentation requirements.

Table 5.1 lists the inspection activities and frequencies established as part of the Municipality's inspection and maintenance program and includes a summary of the activities completed during the reporting period.

Table 5.1: Summary of Inspection Activities

Asset	Required Frequency	Amount Completed	Comments
Maintenance Holes - System	As needed	10	8% of the system maintenance holes
Maintenance Holes – Trouble Spots	2-3x/yr	2	
Catchbasins	As needed	90	12% of the system catchbasins
Catchbasins – Trouble Spots	2-3x/yr	2	
Mainline Storm Sewers – CCTV	As needed	None	
Mainline Storm Sewers – Visual Inspections	As needed	None	
Swales/Ditches – Visual Inspections	As needed	500m	
Storm Culverts – Visual Inspections	As needed	2	

Outlets	Annually	8	
Other	As needed	None	

Table 5.2 lists the maintenance activities completed and tracked during the reporting period.

Table 5.2: Summary of Maintenance Activities

Asset	Required Frequency	Amount Completed	Comments
Street Sweeping	Annual	91km	NA
Maintenance Holes – Lid resetting, parging etc.	As needed	1	Repair, reset and level
Catchbasin – Cleaning	As needed	80	Removed sediment or cleared ice for drainage
Swales/Ditches – Cleaning	As needed	500m	Removed sediment
Culvert – Cleaning	As needed	2	Removed sediment, debris
Culvert – Replacement	As needed	1	
Outlets – Cleaning	As needed	8	Removed debris, trash
Mainline Sewers – Flushing	As needed	1,500m	During catchbasin cleaning, flushed 15m up and downstream
Mainline Sewers – Replacement	As needed	None	

6. Complaints

The only complaints the municipality received about the stormwater system in 2025 pertained to standing water. Staff responded by thawing out the catchbasins, where appropriate, to allow water to drain.

7. System Alterations

No system alterations were completed during the reporting period.

8. Spills or Abnormal Discharge Events

There were no spills or abnormal discharge events during the reporting period.

9. Performance Improvements

Performance improvements identified in 2025 are detailed in Table 9.1.

Table 9.1: Actions Taken in Current Reporting Year

#	Issue	Actions to be Taken	Target Completion Date
2025-1	Broken storm on John Ave in Geraldton	Repair	2026
2025-2	Centennial Drive (Longlac) storm sewer replacement and ditch outlet rehabilitation	Remove and replace	On-hold (see section 10.)

10. Additional Notes/Comments

There are several stormwater system projects and initiatives planned for 2026/27:

- Greenstone Council received a Service Delivery Review report for the stormwater management system in March 2025, and approved the following for inclusion in future budgets:
 - Culvert and municipal ditch inventory to complete the stormwater asset dataset in GIS (2026 Capital Budget request)
 - Complete a Drainage Study (2026 Capital Budget request)
 - Complete a Drainage Master Plan (2027 Capital Budget request)
 - Stormwater Monitoring Plan development (2027 Capital Budget request)
 - Explore Stormwater Management funding options (Once Drainage Master Plan is complete, use the information to guide the funding options)
- Centennial Drive storm sewer and ditch upgrades in Longlac are on-hold, pending confirmation of Long Lake 58 First Nation sanitary sewer capacity requirements.
- Municipal staff received training on the new stormwater operations and maintenance manual and on the recordkeeping requirements.
- The storm sewer and catchment asset inventory has been delayed, and the municipality will be seeking a deadline extension.