



Municipal Stormwater Collection System Annual Report 2024

Submitted – March 2026

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Introduction

The City of Dryden (City) operates and maintains a Stormwater Collection System (SWS) to safely catch and convey all rainwater and snowmelt to prevent flooding, erosion, and protect water quality of receiving streams and waterbodies. It is a legislative requirement to provide an annual report which includes:

- A summary of all monitoring data along with an interpretation of the data and an overview of the condition and operational performance of the authorized system
- A summary and interpretation of environmental trends based on all monitoring information including data from the previous five years
- A summary of any operating problems encountered and corrective actions taken;
- A summary of all inspections, maintenance, and repairs carried out on any major structure, equipment apparatus, mechanism, or thing forming part of the authorized system
- A summary of the calibration and maintenance carried out on all monitoring equipment
- A summary of all alterations to the Authorized System within the reporting period that are authorized by this approval, including a list of alterations that pose a significant threat to Drinking Water
- A summary of spills or abnormal discharge events
- A summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System
- A summary of the status of action for the previous reporting year

Dryden Stormwater Collection System Description

Environmental Certificate of Approval: 223-S701

The City's SWS collects and conveys stormwater within the Urban Boundary to protect the environment and prevent erosion. There are no combined stormwater and wastewater sewers within City limits.

The SWS conveyance system consists of different types of pipe materials in varying diameters, catch basins, and outfalls. The total liner length of piping supporting the SWS is approximately 42km. The SWS is all gravity flow, and the existing system does not include storm water management ponds or treatment facilities. A break down of the system components is tabled below.

Storm Water Collection Asset	Diameter (mm)	Approximate Length (km)	# of Assets
Storm Collection Pipe	<250	3.2	
Storm Collection Pipe	>250-500	33	
Storm Collection Pipe	>500-1050	5.8	
Storm Collection Pipe	>1050	0.01	
Catch Basins			731
Outfalls			66

Summary of Monitoring Data

Condition and Operational Performance

The City performs Closed Caption Television Inspection of some of the components over the entire SWS. A total of 102 inspections were conducted in 2024 totaling up to 1.7km of infrastructure. The inspections focused on service areas supporting King Street, Princess Street, Princess Street City Parking Lot, Laneway behind King Street, Government Road, Duke Street and Vanhorne Avenue.

The City’s Asset Management Plan considers that the SWS is in Good Condition as an aggregate health score based on 85% of the assets being in Very Good Condition, 4% in Poor/Very Poor Condition, and 11% in Fair Condition.

Monitoring Data

Under the current configuration of the system, no monitoring data exists from anything relating to flow monitoring or water levels within the SWS. No Environmental monitoring is currently required.

5-Year Summary of Environmental Trends

Currently, no environmental monitoring occurs on the SWS.

Inspections, Maintenance and Repairs

Calibration and Maintenance of Monitoring Equipment

Currently no monitoring equipment is used in the SWS.

Alterations to Stormwater Collection System

Two catch basins, and three storm pipes were removed from the SWS under a Highway 17 roads project in 2024.

System Overflows and Spills

There were no recorded spills for this reporting year, or related system overflows.

Actions Taken to Improve and or Correct Performance

Capital work

The following capital work in the 2024 budget was spent on the following tabled areas, totalling approximately \$178,000.

Capital Project	Project Expenditure
Storm Sewer Replacement – St. Charles Street, Cooper Park, First Street, King Street	\$172,000
Culvert Replacement - Highway 594	\$6,000

Previous Year Actions Status

No outstanding actions from 2023 have impacted the 2024 operating year. More actions were taken in 2024, mainly due to freezing infrastructure.

2024 Actions Taken

System Asset	Date	Location	Action Taken
Catch Basin	February 6	Nymark Road	Catch Basin Thawed
Storm Pipe	February 6	Duke Street	Storm Pipe Thawed
Culvert	February 8	Thunder Lake Road	Culvert Thawed
Culvert	February 8	Meadows Road	Culvert Thawed
Culvert	February 8	Ryczko Road	Multiple Culverts Thawed
Culvert	February 8	Thiel Road	Multiple Culverts Thawed
Culvert	February 8	Wilson Street	Multiple Culverts Thawed
Culvert	February 8	Sandy Beach Road	Multiple Culverts Thawed
Culvert	February 22	Thunder Lake Road	Heat Trace Installed, Culverts Thawed
Culvert	March 11	Grand Trunk Avenue	Culvert Thawed
Storm Pipe	March 11	Boozhoo Avenue	Storm Pipe Thawed
Storm Pipe	March 11	Ingall Drive	Storm Pipe Thawed
Storm Pipe	March 11	Riverview Drive	Storm Pipe Thawed
Storm Pipe	March 12	Dingwall Parkway	Storm Pipe Thawed
Catch Basin	March 12	Nymark Road	Catch Basin Thawed

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Culvert	March 12	Riverview Drive	Culvert Thawed
Storm Pipe	March 13	St. Charles Drive	Storm Pipe Thawed
Storm Pipe	March 13	Wabigoon Drive	Storm Pipe Thawed
Culvert	March 13	Grand Truck Avenue	Repaired Rip-Rap
Culvert	March 13	Boozhoo Avenue	Culvert Thawed
Culvert	March 13	Wilson Street	Culvert Thawed
Culvert	March 14	McMillan Crescent	Multiple Culverts Thawed
Culvert	March 14	Sandy Beach Road	Multiple Culverts Thawed
Storm Pipe	March 14	Queen Street	Storm Pipe Thawed
Culvert	March 14	Maple Road	Culvert Thawed
Culvert	March 14	Thunder Lake Road	Multiple Culverts Thawed
Culvert	March 14	Inverness Drive	Culvert Thawed
Culvert	March 14	Fishermans Cove	Culvert Thawed
Culvert	March 14	Davis Point Road	Culvert Thawed
Culvert	March 14	Sandy Beach Road	Culvert Thawed
Culvert	March 15	Zealand Road	Culvert Thawed
Storm Pipe	March 15	Wabigoon Drive	Storm Pipe Thawed
Culvert	March 15	Thiel Road	Culvert Thawed
Culvert	March 20	Elm Bay Road	Culvert Thawed
Culvert	March 20	Russell Road	Culvert Thawed
Storm Pipe	April 2	Riverview Drive	Storm Pipe Thawed
Culvert	April 2	Wilson Street	Culvert Thawed
Culvert	April 2	St. Charles Street	Multiple Culverts Thawed
Culvert	April 3	Sandy Beach Road	Multiple Culverts Thawed
Culvert	April 3	Maple Road	Culvert Thawed
Culvert	April 3	Pronger Parkway	Culvert Thawed
Culvert	April 3	Riverview Drive	Culvert Thawed
Culvert	April 3	Boozhoo Avenue	Culvert Thawed
Culvert	April 4	Elm Bay Road	Culvert Thawed
Culvert	April 4	Travis Road	Culvert Thawed
Culvert	April 4	Rodgers Road	Culvert Thawed
Culvert	April 4	Meadows Road	Multiple Culverts Thawed
Culvert	April 4	Krahn Avenue	Culvert Thawed
Culvert	April 4	Hill Road	Multiple Culverts Thawed
Culvert	April 4	Bonny Bay Road	Multiple Culverts Thawed
Culvert	April 4	Bedworth Road	Culvert Thawed
Culvert	April 4	Islandvue Road	Culvert Thawed
Culvert	April 5	McMillan Crescent	Multiple Culverts Thawed
Catch Basin	April 5	West River Road	Catch Basin Thawed
Culvert	April 5	Lakeview Road	Culvert Thawed
Culvert	April 5	Sandy Beach Road	Multiple Culverts Thawed
Culvert	April 5	Thunder Lake Road	Multiple Culverts Thawed
Culvert	April 5	Thiel Road	Culvert Thawed
Culvert	April 5	Boozhoo Avenue	Culvert Thawed
Culvert	April 6	Rodgers Road	Multiple Culverts Thawed
Culvert	April 6	Maple Road	Multiple Culverts Thawed
Culvert	April 6	Willow Court	Culvert Thawed
Culvert	April 6	Parr Avenue	Culvert Thawed
Culvert	April 6	Zealand Road	Multiple Culverts Thawed
Culvert	April 6	Beaver Avenue	Culvert Thawed

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Culvert	April 6	Ryczko Road	Culvert Thawed
Culvert	April 7	Meadows Road	Multiple Culverts Thawed
Culvert	April 8	Grand Trunk Avenue	Culvert Thawed
Culvert	April 8	St. Charles Street	Multiple Culverts Thawed
Culvert	April 8	Wilson Street	Culvert Thawed
Culvert	April 9	McMillan Crecent	Culvert Thawed
Culvert	April 11	Sandy Beach Road	Multiple Culverts Thawed
Culvert	April 11	Maple Road	Multiple Culverts Thawed
Culvert	April 11	Lakeview Road	Multiple Culverts Thawed
Culvert	April 11	Thunder Lake Road	Culvert Thawed
Culvert	April 11	Bonavista Road	Culvert Thawed
Culvert	April 11	Northern Road	Culvert Thawed
Culvert	April 12	Riverview Drive	Culvert Thawed
Culvert	April 16	Meadows Road	Culvert Repaired
Culvert	April 17	Highland Road	Culvert Thawed
Culvert	April 26	Thiel Road	Culvert debris removed
Catch Basin	May 15	Kerney Hill Court	Catch Basin Repaired
Catch Basin	May 17	Wice Road	Catch Basin Repaired
Catch Basin	May 17	Eagle Drive	Catch Basin Repaired
Catch Basin	May 21	Grand Trunk Avenue	Catch Basin Repaired
Catch Basin	June 19	Wilson Street	Catch Basin Relined
Catch Basin	June 19	Whyte Avenue	Catch Basin Repaired
Catch Basin	June 19	Government Street	Catch Basin Relined
Catch Basin	June 19	Boozhoo Avenue	Catch Basin Relined
Catch Basin	June 20	Earl Avenue	Catch Basin Repaired
Catch Basin	June 20	Whyte Avenue	Catch Basin Relined
Catch Basin	July 3	Earl Avenue	Catch Basin Repaired
Catch Basin	July 3	Clearwater Crescent	Catch Basin Repaired
Catch Basin	July 3	Holland Street	Catch Basin Repaired
Catch Basin	July 10	Orvis Street	Catch Basin Repaired
Culvert	August 12	Thunder Lake Road	Repaired Rip-Rap
Storm Pipe	August 28	Laneway Behind King Street	Storm Pipe Repaired
Catch Basin	September 4	Second Street	Catch Basin Repaired
Storm Pipe	September 18	St. Charles Street	Storm Pipe Relined
Catch Basin	September 18	Duke Street	Catch Basin Repaired
Catch Basin	October 4	Park Crescent	Catch Basin Repaired
Catch Basin	October 29	Memorial Avenue	Catch Basin Repaired
Catch Basin	October 29	David Avenue	Catch Basin Repaired
Catch Basin	October 29	Parkdale Road	Catch Basin Repaired

A total of 104 actions were initiated to address issues with the SWS. Public Works staff routinely inspect catch basins, outfalls and supporting infrastructure on a routine basis.

More Information or Questions

This report is available to the public free of charge to anyone who requests a copy. An electronic copy is available on the City of Dryden's website, and anyone wanting to be provided a paper copy can make arrangement to pick one up from the Public Works Office. Any concerns or inquiries of this report can be directed to:

Bill Mundy C.E.T.
Utilities and Environmental Services Manager
807-223-1407
bmundy@dryden.ca
www.dryden.ca