Municipal Stormwater Collection System Annual Report

2023

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 Lenth (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 63 inspections were conducted in 2023 totaling up to 1.1km of infrastructure. The inspections focused on service areas supporting Pronger Park, Pronger Park Trail, Thunder Drive, Wabigoon Drive, Ingall Drive, Clearwater Crescent, and Eagle Drive.

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

No alterations were made to the Stormwater Collection System.

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 2023 budget was spent on the following tabled areas, totalling approximately $512,000.

Capital Project	Project Expenditure
Storm Sewer Replacement – Whyte Avenue, Kirkpatrick Avenue	$147,000
Storm Sewer Replacement – City Arena Property	$23,000
Storm Sewer Relining – Sandy Beach Road, Government Street, Wilson Street, King Street	$342,000

Previous Year Actions Status

No actions are available for status.

2023 Actions Taken

System Asset	Date	Location	Action Taken
Catch Basin	March 20	Boozhoo Avenue	Catch Basin Repaired
Storm Pipe	March 24	Princess Street	Storm Pipe Thawed
Storm Pipe	March 24	Boozhoo Avenue	Storm Pipe Thawed
Storm Pipe	March 28	Wabigoon Drive	Storm Pipe Thawed
Storm Pipe	March 28	Queen Street	Storm Pipe Thawed
Culvert	April 3	Riverview Drive	Culvert Thawed
Storm Pipe	April 4	Pitt Avenue	Storm Pipe Thawed
Storm Pipe	April 4	Park Crescent	Storm Pipe Thawed
Storm Pipe	April 9	Wabigoon Drive	Storm Pipe Thawed
Culvert	April 10	Zealand Road	Multiple Culverts Thawed
Culvert	April 10	Thiel Road	Multiple Culverts Thawed
Culvert	April 10	Wilson Street	Culvert Thawed
Storm Pipe	April 11	Government Road	Storm Pipe Repaired
Culvert	April 11	Sandy Beach Road	Multiple Culverts Thawed
Culvert	April 11	St. Charles Street	Culvert Thawed
Culvert	April 12	Thunder Lake Road	Multiple Culverts Thawed
Culvert	April 12	Meadows Road	Multiple Culverts Thawed

Culvert	April 12	Northern Road	Culvert Thawed
Culvert	April 12	Parr Avenue	Multiple Culverts Thawed
Culvert	April 12	Davis Point Road	Culvert Thawed
Culvert	April 12	Bedworth Road	Culvert Thawed
Culvert	April 12	Islandvue Road	Culvert Thawed
Culvert	April 13	Hill Road	Culvert Thawed
Storm Pipe	April 13	Mary Avenue	Storm Pipe Thawed
Culvert	April 13	Thunder Lake Road	Multiple Culverts Thawed
Storm Pipe	April 14	Duke Street	Storm Pipe Thawed
Culvert	April 15	Thunder Lake Road	Culver Thawed
Culvert	April 12	McMillan Crescent	Multiple Culverts Thawed
Culvert	April 18	Fishermans Cove	Multiple Culverts Thawed
Culvert	April 19	Zealand Road	Culvert Thawed
Culvert	April 19	Parr Avenue	Culvert Thawed
Culvert	May 8	Theil Road	Flushed, installed new rip-rap
Culvert	May 8	Highway 17	Culvert reset and repaired
Catch Basin	May 9	Earl Aven	Catch Basin Repaired
Catch Basin	May 11	Government Street	Catch Basin Repaired, Relined
Catch Basin	May 15	Cedar Bay	Catch Basin Repaired
Catch Basin	June 1	Parkdale Road Urban Trail	Catch Basin Repaired, Relined
Catch Basin	June 12	Swanson Street	Catch Basin Repaired
Storm Pipe	June 12	Parkdale Road Urban Trail	Repaired Pipe
Catch Basin	July 10	TransCanada Urban Trail	Catch Basin Repaired
Storm Outlet	July 17	Thunder Drive	Debris removed from grate
Catch Basin	July 20	Park Avenue	Catch Basin Repaired
Catch Basin	July 25	Princess Street	Catch Basin Repaired
Catch Basin	August 1	Wice Road	Catch Basin Repaired
Culvert	August 23	Anton Road	Remove Debris
Catch Basin	September 10	Princess Steet	Catch Basin Repaired, Debris removed
Catch Basin	September 27	Queen Street	Catch Basin Repaired
Catch Basin	September 27	Pitt Avenue	Catch Basin Relined
Culvert	September 20	Grand Trunk Ave	Extended culvert 4m
Storm Pipe	September 21	Wilson Street	Storm Pipe Repaired
Culvert	September 28	Thunder Lake Road	Install Heat Trace
Catch Basin	September 28	Van Horne Avenue	Catch Basin Repaired
Catch Basin	September 28	Eagle Drive	Catch Basin Repaired
Storm Pipe	October 4	Princess Street	Storm Pipe Repaired
Catch Basin	October 11	Memorial Avenue	Catch Basin Relined
Catch Basin	October 12	Princess Street	Catch Basin Repaired
Culvert Inlet	October 20	Sandy Beach Road	Remove Debris
Culvert	November 30	Grand Trunk Ave	Culvert Relined

A total of 58 action were conducted 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:

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