The Regional Municipality of Durham

Works Committee Revised Agenda

Wednesday, March 4, 2026, 9:30 a.m.
Regional Council Chambers
Regional Headquarters Building
605 Rossland Road East, Whitby

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

Note: This meeting will be held in a hybrid meeting format with electronic and in-person participation. Committee meetings may be viewed via live streaming.

Pages

1. Roll Call
2. Declarations of Pecuniary Interest
3. Adoption of Minutes
   - 3.1 Works Committee meeting - February 4, 2026 — 3
4. Statutory Public Meetings
   There are no statutory public meetings
5. Presentations
   - *5.1 Dan Waechter, Director, Capital Projects Delivery; Adam Hurst, Manager, Sustainable Infrastructure; and Ben McWade, Manager, Construction Management Services — *10*
     Re: Advancing Predictive Analytics for Water and Wastewater Asset Management
6. Delegations
   There are no delegations
7. Waste
   - 7.1 Correspondence
   - 7.2 Reports
     There are no Waste reports to be considered
8. Works
   - 8.1 Correspondence

*a. Correspondence from Doug Glass, Ajax Resident 25
Re: Report #2026-W-5: The Regional Municipality of Durham's Drinking Water Systems 2025 Summary Report

Recommendation: Refer to the consideration of Report #2026-W-5 [Item 8.2 a)]

8.2 Reports

a. Report #2026-W-5 26
The Regional Municipality of Durham's Drinking Water Systems 2025 Summary Report

9. Advisory Committee Resolutions

There are no advisory committee resolutions to be considered

10. Confidential Matters

10.1 Reports

a. Report #2026-W-6
Confidential Report of the Commissioner of Works - A Proposed or Pending Acquisition or Disposition of Land for Regional Corporation Purposes as it relates to a Property Located in the City of Oshawa

Under Separate Cover

b. Report #2026-W-7
Confidential Report of the Commissioner of Works – A Proposed or Pending Acquisition or Disposition of Land for Regional Corporation Purposes as it relates to a Property Located in the Town of Whitby for the Durham Region Police Service

Under Separate Cover

11. Other Business

12. Date of Next Meeting

Wednesday, April 8, 2026 at 9:30 AM

13. Adjournment

Notice regarding collection, use and disclosure of personal information:

Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. This also includes oral submissions at meetings. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2054.

The Regional Municipality of Durham

Works Committee Minutes

Wednesday, February 4, 2026

A regular meeting of the Works Committee was held on Wednesday, February 4, 2026 in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM

Councillor Barton assumed the Chair.

1. Roll Call

Electronic participation was offered for this meeting.
* indicates individuals who participated electronically.

Members Present:
- Councillor Barton, Chair
- Councillor Marimpietri*, Vice-Chair, attended the meeting at 9:34 AM
- Councillor Foster*
- Councillor Lee*
- Councillor Mulcahy
- Councillor Nicholson*
- Regional Chair Henry

Members Absent:
- Councillor Cook

Also Present:
- Councillor McDougall
- Councillor Neal
- Councillor Wotten*

Staff Present: N. Andres, E. Baxter-Trahair, S. Dessureault, D. Dunn, A. Evans, M. Hubble, R. Inacio, R. Jagannathan, J. Kilgour, N. Prasad, N. Pincombe, K. Smith, D. Waechter, and R. Woon*

2. Declarations of Pecuniary Interest

Councillor Mulcahy made a declaration of interest under the Municipal Conflict of Interest Act with respect to Item #8.2 B) Report #2026-W-2: Sole Source Procurement of Equipment Replacement, Maintenance Service and Parts Supply for Existing Equipment Installed at Various Water and Wastewater Facilities throughout the Regional Municipality of Durham. She indicated that ABB is listed as an authorized supplier, and her husband is a manager at ABB.

3. Adoption of Minutes

Motion #1
Moved by Regional Chair Henry, Seconded by Councillor Mulcahy,
That the minutes of the regular Works Committee meeting held on Wednesday, December 3, 2025, be adopted.
Carried

4. Statutory Public Meetings

There were no statutory public meetings.

5. Presentations

There were no presentations.

6. Delegations

There were no delegations.

7. Waste

7.1 Correspondence

There were no Waste communications to consider.

7.2 Reports

There were no Waste reports to consider.

8. Works

8.1 Correspondence

A) Correspondence from Doug Glass, Ajax resident, re: Metrolinx Land Transfer and Pickering Land Swap

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Motion #2
Moved by Councillor Mulcahy, Seconded by Regional Chair Henry,
That the correspondence received from Doug Glass, Ajax resident, regarding Metrolinx Land Transfer and Pickering Land Swap, be referred to consideration of Items 8.2 A) and 8.2 C).
Carried

8.2 Reports

A) Approval to declare Lands as Surplus, stop up and close, and transfer portions of Stevenson Road (Regional Road 53) and Wilson Road (Regional Road 35), in the

City of Oshawa to Metrolinx
(2026-W-1)

Report #2026-W-1 from R. Jagannathan, Commissioner of Works, was received.

In response to a question from the Committee regarding the process for surplus lands and land swaps, R. Jagannathan advised when a property has no general demand or market due to its size, location or nature, the requirement to give notice to the public can be waived and a recommendation may be presented to the Committee with the fair market value of the property.

Motion #3
Moved by Regional Chair Henry, Seconded by Councillor Lee,
That we recommend to Council:

A) That the Regional Municipality of Durham pass a by-law to stop up and close as a public highway:

i) That portion of Stevenson Road (Regional Road 53) legally described as Part of Block E, Plan M-1080, City of Oshawa being Part 1 on Registered Plan 40R-33144.

ii) That portion of Wilson Road (Regional Road 35) legally described as Part of Lot C-2 Sheet 14, Registered Plan 335, City of Oshawa being Part 1 on Registered Plan 40R-33129.

B) That the lands be declared as surplus to Regional Municipality of Durham requirements;

C) That the Regional Municipality of Durham's solicitors be authorized to complete the transfer of the Lands (39.5m²), having an estimated fair market value of $18,000 to Metrolinx based on a third-party appraisal;

D) That Regional staff be permitted to negotiate the disposition of the lands, described in Recommendation A) to Report #2026-W-1 of the Commissioner of Works, with Metrolinx at fair market value;

E) That the requirements in Section 3, and 4 of Regional Municipality of Durham By-law #52-95 establishing the procedures, including giving notice to the public, governing the sale of real property be waived;

F) That authority be granted to the Regional Clerk and Regional Chair to execute any notices and forms associated with this partial road closure; and

G) That the Commissioner of Works be authorized to execute all documents associated with the transaction, including but not limited to Agreement of Purchase and Sale.

Carried

B) Sole Source Procurement of Equipment Replacement, Maintenance Service and Parts Supply for Existing Equipment Installed at Various Water and Wastewater Facilities throughout the Regional Municipality of Durham
(2026-W-2)

Report #2026-W-2 from R. Jagannathan, Commissioner of Works, was received.

Motion #4
Moved by Regional Chair Henry, Seconded by Councillor Lee,
That we recommend to Council:

A) That staff be authorized to negotiate and award sole source agreements in 2026 for the unanticipated or end of life replacement of existing equipment installed at various Water and Wastewater facilities throughout the Regional Municipality of Durham, where using a different manufacturer would require significant structural, electrical, mechanical, communication, instrumentation and other supplementary modifications;

B) That staff be authorized to negotiate and award sole source agreements in 2026 for maintenance service and parts supply for the existing equipment installed as components of various Water and Wastewater facilities throughout the Regional Municipality of Durham, with terms not to exceed five years;

C) That financing for the sole source agreements for equipment replacement, maintenance service and parts supply be provided from the approved Water Supply and Sanitary Sewerage Operating Budgets, at a cost not to exceed $3,534,000* from the approved 2026 Water Supply operating Budget and a cost not to exceed $11,715,000* from the approved 2026 Sanitary Sewerage Operating Budget; and

D) That the Commissioner of Finance be authorized to execute the necessary sole source agreements for equipment replacement, maintenance service and parts supply.

(*) before applicable taxes

Carried on the following Recorded Vote:

Yes: Councillor Foster
Councillor Lee
Councillor Marimpietri
Councillor Nicholson
Councillor Barton, Chair
Regional Chair Henry

No: None

Members
Absent: Councillor Cook

Declaration
of Interest: Councillor Mulcahy

C) Declaration of Lands as Surplus and Approval to Enter into a Land Swap with the City of Pickering for Lands Near 2765 William Jackson Drive, in the City of Pickering
(2026-W-3)

Report #2026-W-3 from R. Jagannathan, Commissioner of Works, was received.

Motion #5
Moved by Regional Chair Henry, Seconded by Councillor Lee,
That we recommend to Council:

A) That portions of Brock Road (Regional Road 1) legally described Firstly as Part of Regional Road 4, being Part of Regional Road 4, Being Part of Lot 18, Concession 3 (Pickering), Parts 1, 2 and 3 on Reference Plan 40R-13458, Subject to D11564 in the City of Pickering, in the Regional Municipality of Durham, identified as part of the PIN 26407-0061 (LT) and described further as Parts 29, 30, 31, 32, and 33 on Reference Plan 40R-33051 and Secondly as a Road Allowance Between Lots 18 and 19, Concession 3 (Pickering) Lying Between Taunton Road and Rossland Road, Part Lot 18 Concession 3 (Pickering) as in CO68879, Part 2 40R-8811, Parts 1-3 40R-6891, Parts 11, 12 & 13 40R-14541; Part Lot 19 Concession 3 (Pickering) as in Highway Plan 610, CO107391, Part 2 40R-13610, Subject to D136274, D136275, D136276, Subject to Debts in D136276 as being Brock Road (also known as Regional Road 1); Pickering Together with an Easement as in DR1026815 in the City of Pickering, in the Regional Municipality of Durham, identified as part of the PIN 26408-0177 (LT) and described further as Part 1, 2, 3, 4, 5, 6, and 7 on Reference Plan 40R-33048 (collectively the “Surplus Lands”) as declared surplus to Regional Municipal of Durham Requirements;

B) That Regional Municipality of Durham Council pass a stop-up and close by-law to close these portions of Brock Road (Regional Road 1) as a public highway;

C) That the requirements of Section 3 and 4 of Regional Municipality of Durham By-law #52-95 be waived to facilitate the land transfer from the Regional Municipality of Durham to the City of Pickering;

D) That Regional Municipality of Durham staff be authorized to transfer the Surplus Lands (approximately 3,509.9 square metres), having an estimated fair market value of $41,500, to the City of Pickering for a nominal amount.

In exchange, the City of Pickering will provide lands legally described as Regional Road 4, Being Part Lots 17 & 18, Concession 3 (Pickering), as in Highway Plan 538 & Part Lot 17, Concession 3 (Pickering) as in CO212542 & CO213985 Except Parts 1 & 2 Plan 40R-24188; Subject to D11654 in the City of Pickering, Regional Municipality of Durham and described further as Part 1 on Reference Plan 40R-33051, to the Regional Municipality of Durham (approximately 1,045.78 square metres) for a nominal amount.

E) That the transfer authorized by Recommendation D) of Report #2026-W-3 be conditional on the following easements being registered on title to the Surplus Lands before the transfer:

i) Easements for municipal services, existing utilities/services, including for Bell Canada, Enbridge Gas, Elexicon Energy, and the Regional Municipality of Durham, for access, maintenance and repairs.

F) That authority be granted to the Regional Clerk and Regional Chair to execute any notices and forms associated with this partial road closure; and

G) That the Commissioner of Works be authorized to execute all documents associated with the transaction, including but not limited to the Agreement of Purchase and Sale.

Carried

9. Advisory Committee Resolutions

There were no advisory committee resolutions to be considered.

10. Confidential Matters

10.1 Reports

A) Confidential Report of the Commissioner of Works – A Proposed or Pending Acquisition or Disposition of Lands for Regional Corporation Purposes as it related to a Property Located in the City of Oshawa
(2026-W-4)

Confidential Report #2026-W-4 from R. Jagannathan, Commissioner of Works, was received.

Motion #6
Moved by Regional Chair Henry, Seconded by Councillor Mulcahy,
That we recommend to Council:

That the recommendations contained in Confidential Report #2026-W-4 of the Commissioner of Works be adopted.
Carried

11. Other Business

There was no other business to be considered.

12. Date of Next Meeting

The next regularly scheduled Works Committee meeting will be held on Wednesday, March 4, 2026 at 9:30 AM in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

13. Adjournment

Motion #7
Moved by Regional Chair Henry, Seconded by Councillor Mulcahy,
That the meeting be adjourned.
Carried

The meeting adjourned at 9:37 AM

Respectfully submitted,

D. Barton
Chair

K. Smith
Committee Clerk

Advancing Predictive Analytics for Water and Wastewater Asset Management

Capital Projects Delivery

Presentation to Works Committee

March 4, 2026

Introductions

Dan Waechter, Director - Capital Projects Delivery Branch

- Overview of presentation and Sustainable Infrastructure Division

Adam Hurst, Manager - Sustainable Infrastructure

- Review of our Asset Management Strategy and Programs

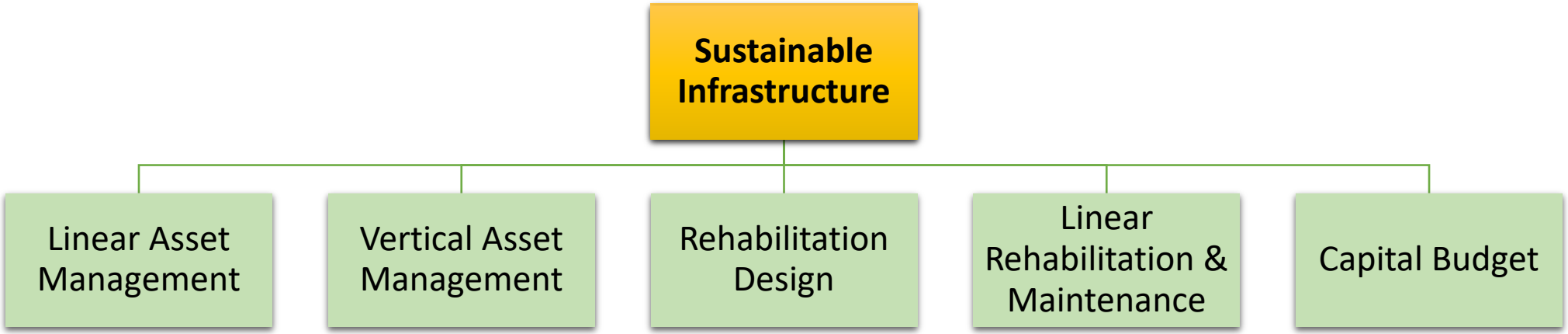
Ben McWade, Manager - Construction Management Services

- Review of recent failures in other Agencies

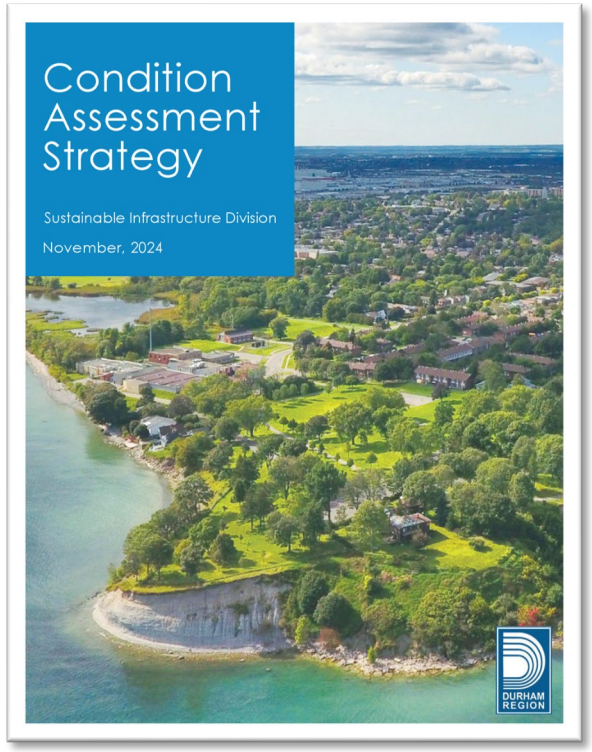
Agenda

1. Asset Management and Purpose
2. Lessons Learned from other Agencies
3. Status of Asset Management for Durham water and wastewater infrastructure
4. Looking Ahead

Organization Chart



What is Asset Management?



Why This Matters

2,765 km of Watermains

56 Water Facilities

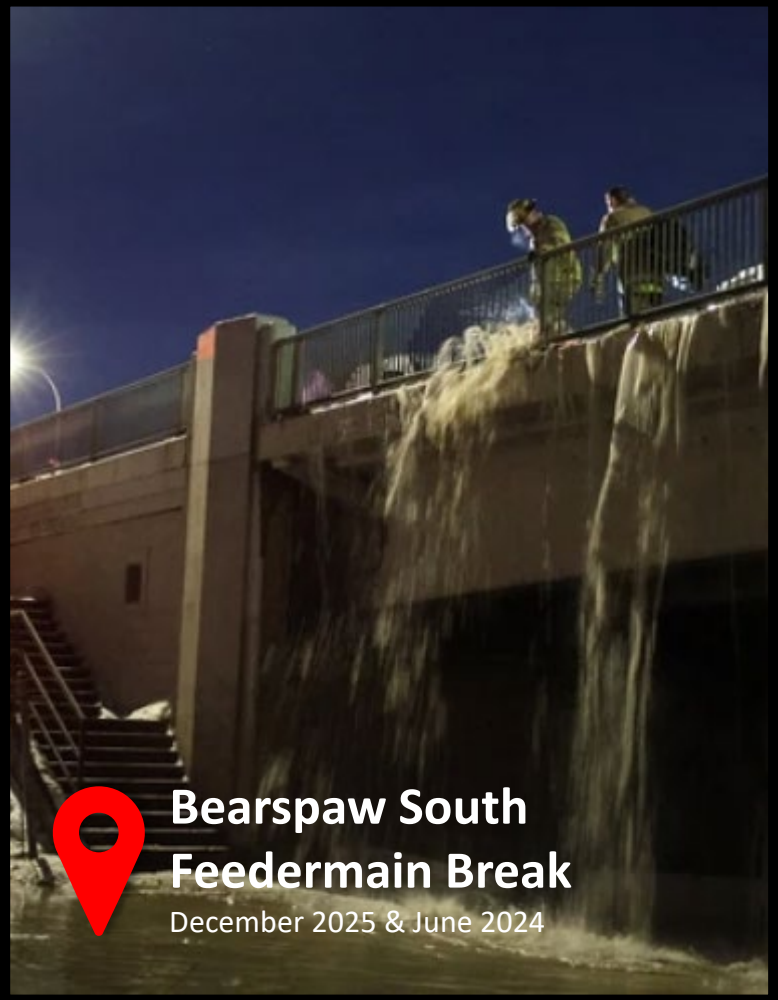
$7.46 Billion Valuation

2,893 km of Sanitary Sewers

65 Wastewater Facilities

$8.24 Billion Valuation

Infrastructure is invisible - until it fails.



Bearspaw South Feedermain Break

December 2025 & June 2024

Potomac Interceptor Sewer Break

February 2026

Can this happen here?

Bearspaw South Feedermain Break

December 2025 & June 2024

Why did it break?

Vertical Asset Management

Successfully Implemented
Elevated Tank Condition Assessment (CA) Program (3 year)
Reservoir CA Program (5 year)
Arc Flash Study – Several Sewage Pumping Stations (PS)
Beaverton WSP CA
Waverley and Grandview Water PS CA
Nonquon WPCP CA
Vertical Costing Database Study
Maintenance Management – Maximo

Areas of Improvement
Arc Flash Study – All W/WW Locations (5 year)
Water Pollution Control Plants CA
Sanitary Sewage Pumping Stations CA
Wastewater Storage Facilities CA
Water Pumping Stations CA
Groundwater Wells CA
Water Treatment Plants CA
Asset Management Reporting – Data Migration

Linear Asset Management

Successfully Implemented
Trunk Sewer Inspection and CA Program
Valve Chamber CA Program
Streambank Erosion and Hazard Assessment – TRCA Areas Only

Areas of Improvement
Ductile Iron and Cast Iron Watermain CA Program
Forcemain Condition Assessment Program
Streambank Erosion and Hazard Assessment – All Conservation Authority Areas
Concrete Watermain Condition Assessment Program
Maintenance Hole Inspection and Condition Assessment Program
Linear Risk Scoring

Rehabilitation Design

Successfully Implemented
SSPS Overflow Upgrades – Detailed Design
Corbett Creek Trunk Sanitary Sewer Rehab – Construction support
Lord Elgin Sewer Phase 2 – Feasibility Study
Lord Elgin Sewer Phase 2 Rehab – Detailed Design (Q3 2026)
Ductile Iron Watermain Rehab – Detailed Design (Q2 2026)
Large Diameter Sewer Rehab – Detailed Design (Q3 2026)
Sunderland Standpipe Rehab – Detailed Design (Q2 2026)
Capital Project Delivery Tracker

Areas of Improvement
Concrete Watermain Rehabilitation – Detailed Design (increased annual rehab length)
Ductile Iron/ Cast Iron Watermain Rehabilitation – Detailed Design (increased annual rehab length)
Gravity Sewer Rehabilitation – Detailed Design (increased annual rehab length)
Elevated Tank (ET) Rehabilitation – Detailed Design (all ET facilities)
Capital Project Delivery Tracker Continuous Improvement

Linear Rehab & Maintenance

Successfully Implemented
Watermain CIPP Lining (T-096)
Watermain Service Replacement and CIPP Lining (T-1049)
Gravity Sewer Rehabilitation using CIPP (T-681) Gravity Sewer Rehab using, cleaning, reaming, grout sealing (T-297)
CCTV Inspection (T-201)
Gravity Sewer Flushing (T-200)
Gravity Sewer Spot Repair Program (T-314) Gravity Sewer Acoustic Inspection Program (T-1041)
Hydrants Painting (T-546)
Watermain Foam Swabbing (T-210) Watermain Cathode Protection (T-214) Depot supply contracts

Areas of Improvement
Expanded footprint for all programs

Capital Budget

Successfully Implemented
Annual Water and Sanitary Sewer Capital Budget
Project Cost Analysis and General Support
Funding Reallocations for Shortfalls During Contract Award or at Project Completion
Project Tracking and Monitoring
Grant Funding Applications to Provincial and Federal Governments

Areas of Improvement
Dashboard, Interactive Mapping, and status updates
Reducing pressure on user rates, debentures, and development charge requirements through grant applications
Project Prioritization Model

Looking Ahead

From reactive response to proactive resilience

Questions?

From: Dee G
Sent: February 28, 2026 7:18 PM
To: Clerks <clerks@durham.ca>; chair <chair@durham.ca>; Sterling Lee; Dave Barton; Linda, Cook, Councillor; Mayor Adrian Foster; Tito-Dante Marimpietri; Rhonda Mulcahy; Brian Nicolson
Subject: March 4 Works Agenda

Members of Works Committee,

Clerk, please add these questions to the agenda for discussion. I reviewed the March 4 agenda and had a few questions after reading Report #2026-W-5.

In Table 2 on page 4, Oshawa and Whitby were listed as “Not compliant.” I understand from the report that the issues were corrected, but when residents see “not compliant” connected to drinking water, that naturally raises concern. Should the public be concerned about what occurred? Were residents notified at the time? What changes have been put in place to ensure those monitoring gaps don’t happen again? I am not raising this to alarm anyone. Clean drinking water is obviously critical.

Finally, regarding the two confidential land acquisition items on the agenda, when can residents expect those matters to return publicly with final costs, timelines and expected benefits? Land decisions affect taxpayers long term and should be clearly outlined once completed.

Thank you for any clarification you can provide.

Doug Glass

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.

The Regional Municipality of Durham Report

To:	The Works Committee
From:	Commissioner of Works
Report:	#2026-W-5
Date:	March 4, 2026

Subject:

The Regional Municipality of Durham's Drinking Water Systems 2025 Summary Report

Recommendation:

That the Works Committee recommends to Regional Council:

A) That the 2025 Summary Report for the Regional Municipality of Durham Drinking Water Systems be received for information;

B) That receipt of this report be confirmed by resolution of Regional Council; and

C) That a copy of this resolution be forwarded to the Ontario Ministry of the Environment, Conservation and Parks' York-Durham District Office to indicate that the conditions of Schedule 22 of Ontario Regulation 170/03 have been fulfilled.

Report:

1. Purpose

1.1 The Regional Municipality of Durham (Region) is required to prepare a Summary Report for each of the municipal drinking water systems under Ontario Regulation (O.Reg.) 170/03 of the Safe Drinking Water Act (SDWA). The Summary Report is to be completed and submitted to Regional Council prior to March 31 of each year.

2. Summary Report

2.1 Schedule 22 of O.Reg. 170/03 requires that a Summary Report provide the following information:

- 22-2. (1) The owner of a drinking water system shall ensure that, not later than March 31 of each year after 2003, a report is prepared in accordance with subsections (2) and (3) for the preceding calendar year and is given to,

(a) In the case of a drinking water system owned by a municipality, the members of the municipal council;

(b) In the case of a drinking water system owned by a municipal service board established under section 195 of the *Municipal Act 2001*, the members of the municipal service board; or

(c) In the case of a drinking water system owned by a corporation, the board of directors of the corporation.

- 22-2. (2) The report must,

(a) List the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and

(b) For each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure.

- 22-2. (3) The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:

(a) A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.

(b) A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water license, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.

- 22-2. (4) If a report is prepared under subsection (1) for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31.

2.2 Table 1 below provides a list of all Drinking Water Systems (DWS) and their Municipal Drinking Water Licences for the period from January 1, 2025, to December 31, 2025.

Table 1 – Municipal Drinking Water License Summary

Drinking Water System	Municipal Drinking Water License #	Issue Number	Issue Date
Oshawa *	**003-111**	**9**	**November 12, 2024**
Whitby *	**003-111**	**9**	**November 12, 2024**
Ajax *	**003-111**	**9**	**November 12, 2024**
Beaverton	**003-107**	**6**	**November 12, 2024**
Blackstock	**003-101**	**5**	**November 12, 2024**
Bowmanville	**003-103**	**7**	**November 12, 2024**
Cannington	**003-106**	**5**	**November 12, 2024**
Greenbank	**003-104**	**5**	**November 12, 2024**
Newcastle	**003-109**	**9**	**November 12, 2024**
Orono	**003-108**	**6**	**November 12, 2024**
Port Perry	**003-102**	**5**	**November 12, 2024**
Sunderland	**003-110**	**5**	**November 12, 2024**
Uxbridge	**003-105**	**8**	**November 12, 2024**

*Oshawa, Whitby, and Ajax are licenced as one system but listed individually for this report.

2.3 Table 2 below provides a summary of compliance for each DWS with the prescribed conditions of Schedule 22 of O.Reg. 170/03.

Table 2 – Compliance Summary

Drinking Water System	Compliance Requirements	Water Taking Conditions
Oshawa *	Not compliant	Did Not Exceed
Whitby *	Not compliant	Did Not Exceed
Ajax *	Compliant	Did Not Exceed
Beaverton	Compliant	Did Not Exceed
Blackstock	Compliant	Exceeded
Bowmanville	Compliant	Did Not Exceed
Cannington	Compliant	Did Not Exceed
Greenbank	Compliant	Did Not Exceed
Newcastle	Compliant	Did Not Exceed
Orono	Compliant	Did Not Exceed
Port Perry	Compliant	Did Not Exceed
Sunderland	Compliant	Did Not Exceed
Uxbridge	Compliant	Did Not Exceed

*Oshawa, Whitby, and Ajax are licenced as one system but listed individually for this report.

2.4 The DWS supplying water to the Uxbridge Industrial Park (Uxville) is not required to be covered by this report as it is regulated by the Ministry of Health, under O. Reg. 319/08.

3. General Overview of Compliance Status

3.1 The Summary Report requires a review of each DWS with respect to the SDWA, Permit to Take Water (PTTW), Municipal Drinking Water Licence (MDWL), Drinking Water Works Permit (DWWP), Ministry of the Environment, Conservation and Parks (MECP) inspections and orders including to provide an explanation of any non-compliance issues that were identified during the reporting period.

3.1 Water quality monitoring data is available on the Region of Durham's website at www.durham.ca.

3.2 A requirement of the Drinking Water Quality Management Standard (DWQMS) Element 20 is that the results of the annual management review meeting, the identified deficiencies, decisions, and action items are reported to the Owner. The annual DWQMS Management Review meeting was held on October 20, 2025. Attending the meeting were staff that are identified in the Operational Plan as being part of the top management team. The meeting reviewed the agenda items that are listed in the DWQMS 2.0, Element 20. There was one action item identified during the meeting to separate into smaller focus groups to review any changes required for each area's Risk Assessments. The internal audit was completed on September 25, 2025, and there were seven opportunities for improvement recommended for evaluation. There was one external audit completed from July 28 to July 30, 2025. Two non-conformances to the DWQMS were identified and six opportunities for improvement were recommended for evaluation. The two non-conformances to the DWQMS were reconciled and closed out by the external auditor on September 29, 2025.

3.3 The minutes of the management review meeting and the final audit reports for the internal and external audits are available from the Region.

4. Specific Compliance Items

4.1 A review indicated that all the DWS met the compliance requirements of O. Reg. 170/03 with the following exceptions:

(a) Municipal Drinking Water License No. 003-111, O. Reg. 170/03 Schedule 6 Section 6-5. (1)1-4 – Continuous Monitoring

Oshawa DWS

Two (2) items of non-compliance were identified for the inspection period.

1. On April 4, 2024, at 06:16, operators identified a suspicious chlorine residual trend in eRIS, a web-based enterprise-level data management and reporting software that is connected to our Supervisory Control and Data Acquisition (SCADA) system, for the plant 2 regulatory chlorine analyzer. An operator was sent out to the Oshawa Water Supply Plant (WSP) and identified that the analyzer had been left in maintenance mode after being serviced at 13:56 on April 3, 2024. Operators did not identify the absence of chlorine residuals on eRIS at the time of the shift change. Chlorine residuals were taken every 5 minutes once the operator arrived on site and until the analyzer was returned to service mode.

2. On July 30, 2024, at 16:24, chlorine residuals were not recorded in eRIS (SCADA) for a 24-minute period at the Oshawa WSP. When the operator arrived at the plant, they identified that the East Intake chlorine analyzer sample line was plugged, resulting in no sample flow to the analyzer. Three verifications were performed on the analyzer after it was brought back online and bacteriological samples were collected which met the Ontario Drinking Water Quality Standards (ODWQS). The pump was repaired and service was restored.

Remedial Action:

- The Region required all operators to review the internal procedure *SOP-285 Regulatory Data Review for OWAP Control Room Operations* in eRIS to prevent recurrence of the incident. Maintenance staff have been directed to follow up with the control room, and to verify that any analyzers being serviced are not left in maintenance mode after the work has been completed.

- In addition, the Region is in the process of trialing “rate of change alarms’, to help identify when an instrument or process has remained unchanged.

Whitby DWS

- On January 17, 2025, at 13:15, Filter 4 was taken out of service due to elevated turbidity readings.

- Staff determined that turbidity readings for the Filter 4 effluent at the Whitby WSP were invalid from January 14 to January 17, 2025. Verification readings were not being conducted every 15 minutes as required by O. Reg. 170/03 under Schedule 6.

- Continuous monitoring equipment, utilized to fulfill O. Reg. 170/03 requirements, was not performing measurements in accordance with the minimum frequency specified in Schedule 6 of O. Reg.170/03 for turbidity.

- Maintenance was performed on the turbidimeter, and the readings were verified on Jan 17, 2025, at 15:50. It was determined that the invalid readings resulted from the addition of flow monitoring to the turbidimeter which had not been added to SCADA to show both the flow and turbidity.

Remedial Action:

- Rewiring of the turbidimeter was completed to display flow and turbidity in SCADA to resolve the incident and prevent reoccurrence.

- A review of turbidity readings for the filters in operation during this timeframe were verified to be in compliance with the O. Reg 170/03 monitoring frequency and maximum alarm standard.

- Post maintenance steps were taken to verify the correct output signal in SCADA, and additional maintenance training for the unit was provided to staff.

(a) Permit to Take Water Flow Exceedance

Blackstock DWS

- On November 6,2025, the raw water flow rate at Well 8 (12.4 litres per second (L/s)) exceeded the permit to take water (PTTW) flow rate (11.4 L/s) for 40 minutes due to commissioning a new flow control valve.

Remedial Action:

- A new flow control valve was commissioned and limits were set below 11.4 L/s.

5. Summary of Water Quantity and Flow Rates

5.1 DWS Capacity and Water Flow Data are provided in Attachment #1 – Drinking Water System Capacity and Water Flow Data, as summary charts. Each summary chart provides the monthly average and maximum daily flow for the reporting period. Some of the flow data in Attachment #1 has been pro-rated. Pro-rating is used to determine the volume of water pumped over a 24-hour period. Pro-rated data will be indicated in the chart headings.

6. Public Notification and Information

6.1 The Summary Report is available on the Region's website at www.durham.ca.

7. Relationship to Strategic Plan

7.1 This report aligns with the following strategic directions outlined in the 2025-2035 Durham Region Strategic Plan:

- **Connected and Vibrant Communities**

C1. Align Regional infrastructure and asset management with projected growth, climate impacts, and community needs.

- Environmental Sustainability and Climate Action

E5. Respect the natural environment, including greenspaces, waterways, and agricultural lands.

- Strong Relationships

S5. Ensure accountable and transparent decision-making to serve community needs, while responsibly managing available resources.

8. Conclusion

8.1 As required under Ontario Regulation 170/03, this Summary Report for the Regional Municipality of Durham's Drinking Water System is provided to Regional Council. It is recommended that receipt of this report be confirmed by resolution of Regional Council to meet this condition and that a copy of the resolution is forwarded to the Ministry of the Environment, Conservation and Parks.

8.2 For additional information, contact: Tavis Nimmo, Manager, Water Resource Monitoring & Protection Division, at 905-668-4113, extension 3737 or Mike Hubble, Director, Environmental Services at 905-668-4113, extension 3460.

9. Attachment

Attachment #1: Drinking Water System Capacity and Water Flow Data

Respectfully submitted,

Original signed by:

Ramesh Jagannathan, MBA, M.Eng., P.Eng., PTOE
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer

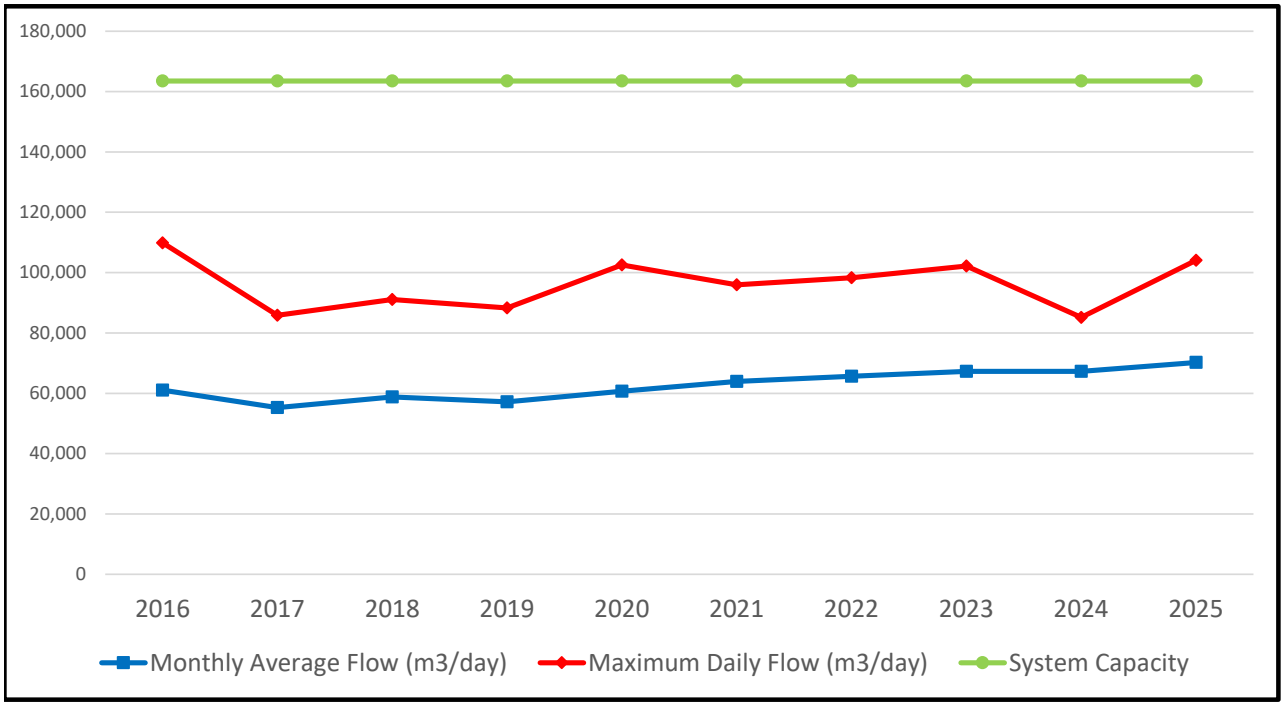
Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Raw Water Maximum Daily Flow (m^3/day)	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day)	Treated Water Maximum Daily Flow (m^3/day)	Total Treated Water Flow (m^3)
January	73,377	87,447	2,274,673	70,379	84,163	2,181,744
February	66,450	84,154	1,927,041	64,246	81,667	1,863,132
March	67,329	80,010	2,087,212	65,222	78,142	2,021,892
April	66,341	80,224	1,990,220	64,154	76,209	1,924,624
May	68,925	86,991	2,136,686	64,197	84,390	1,990,093
June	81,516	97,272	2,445,486	75,770	87,856	2,273,110
July	88,114	99,639	2,731,541	82,200	93,183	2,548,193
August	84,975	107,836	2,634,239	79,424	104,071	2,462,150
September	83,200	91,291	2,496,002	77,761	84,342	2,332,817
October	73,137	89,065	2,267,273	67,664	82,879	2,097,573
November	70,040	87,257	2,101,200	65,705	83,010	1,971,160
December	70,182	89,869	2,175,627	65,749	85,260	2,038,207
Annual Total			27,267,200			25,704,695
Maximum		107,836			104,071	
Average	74,466			70,206		
% Capacity		63			64	
Permit to Take Water Limit		170,000				
Municipal Drinking Water Licence Limit					163,500	

The Regional Municipality of Durham
Ajax Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	60,997	109,869	163,500
2017	55,247	85,808	163,500
2018	58,808	91,039	163,500
2019	57,175	88,253	163,500
2020	60,682	102,507	163,500
2021	63,940	95,933	163,500
2022	65,615	98,337	163,500
2023	67,299	102,148	163,500
2024	67,241	85,162	163,500
2025	70,206	104,071	163,500

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-15

The Regional Municipality of Durham
Beaverton Drinking Water System
2025 Flow Summary Report

Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-Rated	Raw Water Maximum Daily Flow (m^3/day) Pro-Rated	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day) Pro-Rated	Treated Water Maximum Daily Flow (m^3/day) Pro-Rated	Total Treated Water Flow (m^3)
January	1,093	1,269	33,821	1,042	1,185	32,232
February	1,144	1,390	32,110	1,088	1,291	30,513
March	1,115	1,542	34,857	1,056	1,201	33,012
April	1,236	2,034	36,752	1,145	1,697	33,979
May	1,304	1,614	40,558	1,226	1,578	38,042
June	1,411	1,967	42,359	1,310	1,806	39,270
July	1,842	2,622	57,152	1,692	2,422	52,448
August	1,684	2,540	52,099	1,513	2,326	46,769
September	1,307	1,674	39,308	1,193	1,504	35,792
October	1,243	1,638	38,724	1,106	1,266	34,345
November	1,134	1,339	34,029	1,045	1,176	31,268
December	1,219	1,499	37,873	1,132	1,363	35,070
Annual Total			479,642			442,740
Maximum		2,622			2,422	
Average	1,311			1,212		
% Capacity		36			33	
Permit to Take Water Limit		7,300				
Municipal Drinking Water Licence Limit					7,300	

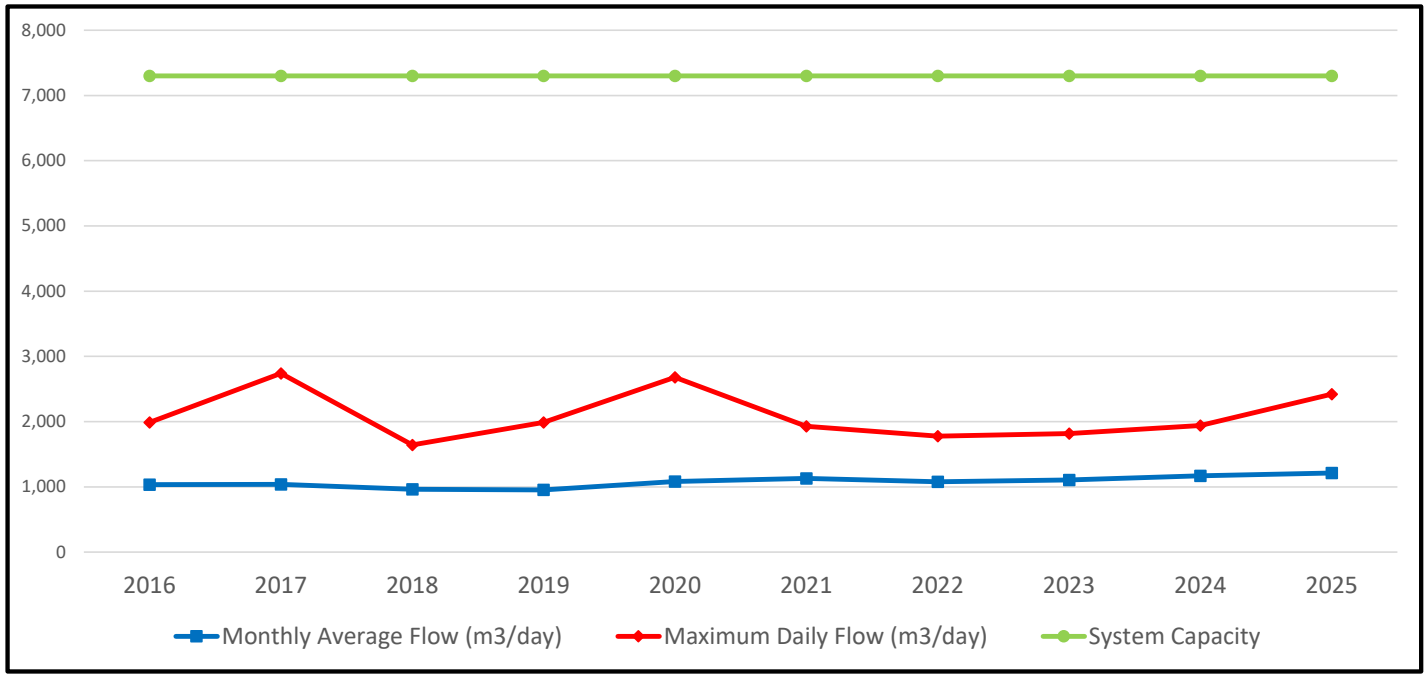
Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-09

The Regional Municipality of Durham
Beaverton Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	1,034	1,989	7,300
2017	1,039	2,740	7,300
2018	964	1,643	7,300
2019	953	1,990	7,300
2020	1,082	2,679	7,300
2021	1,131	1,929	7,300
2022	1,079	1,777	7,300
2023	1,107	1,818	7,300
2024	1,171	1,939	7,300
2025	1,212	2,422	7,300

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-09

The Regional Municipality of Durham
Blackstock Drinking Water System
2025 Flow Summary Report

Month	Well # 7* Raw Water Maximum Taken per Minute (litres)	Well # 7* Raw Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 7* Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 7* Total Raw Water Flow (m^3)	Well # 8 Raw Water Maximum Taken per Minute (litres)	Well # 8 Raw Water Monthly Average Flow (m^3/day) Pro-rated	Well # 8 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 8 Total Raw Water Flow (m^3)
January	0	0	0	0	588	103	139	3,187
February	0	0	0	0	576	109	175	3,040
March	0	0	0	0	612	129	192	3,962
April	0	0	0	0	636	108	153	3,188
May	0	0	0	0	624	116	161	3,575
June	0	0	0	0	630	139	183	4,165
July	0	0	0	0	612	165	227	5,089
August	0	0	0	0	588	183	259	5,581
September	0	0	0	0	582	168	289	5,011
October	0	0	0	0	570	144	251	4,450
November	0	0	0	0	738	128	176	3,770
December	0	0	0	0	714	129	282	3,982
Annual Total				0				49,000
Maximum	0		0		738		289	
Average		0				135		
% Capacity					108		29	
Permit to Take Water Limit	684		985		684		985	

*Well 7 not in service.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-15

The Regional Municipality of Durham
Blackstock Drinking Water System
2025 Flow Summary Report

Month	Treated Water Monthly Average Flow cubic metres per day (m^3/day)	Treated Water Maximum Daily Flow (m^3/day)	Total Treated Water Flow (m^3)
January	103	145	3,194
February	108	150	3,017
March	128	200	3,938
April	106	140	3,146
May	117	141	3,597
June	139	187	4,151
July	188	916	5,771
August	180	244	5,516
September	165	255	4,961
October	143	242	4,438
November	118	157	3,541
December	120	149	3,706
Annual Total			48,976
Maximum		916	
Average	135		
% Capacity		92	
Municipal Drinking Water Licence Limit		994	

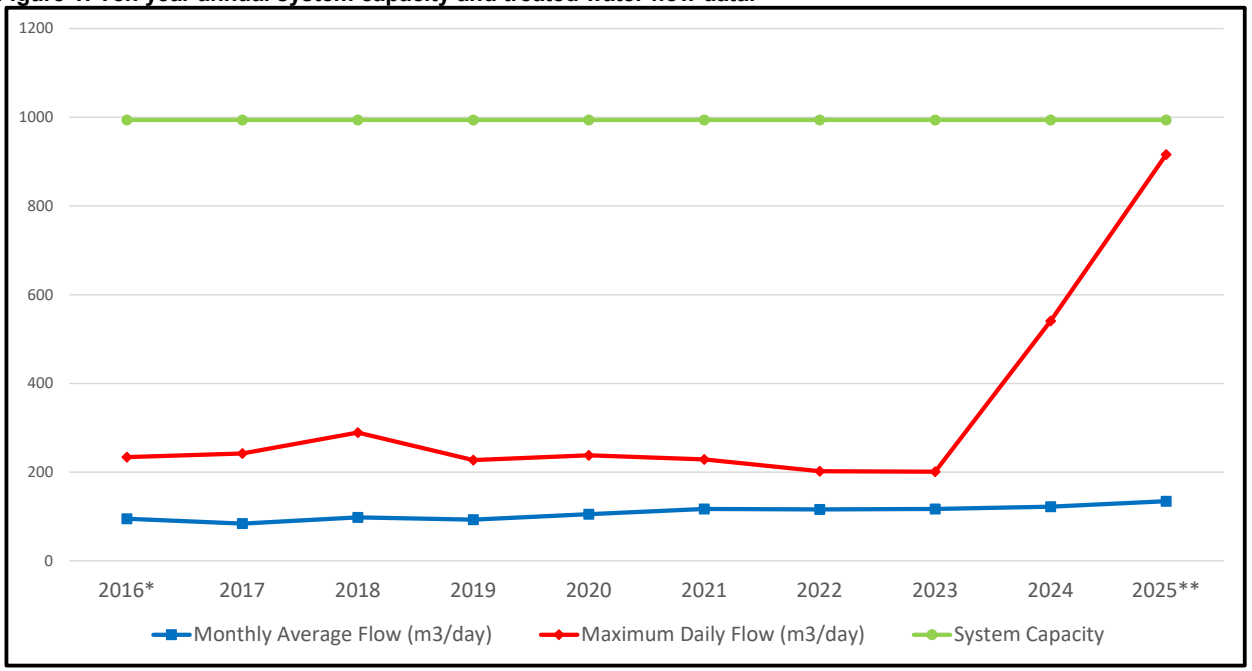
The Regional Municipality of Durham
Blackstock Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016*	95	234	994
2017	84	242	994
2018	98	289	994
2019	93	227	994
2020	105	238	994
2021	117	229	994
2022	116	202	994
2023	117	201	994
2024	122	541	994
2025**	135	916	994

* Well 7 taken out of service.
** Elevated value was due to construction and is not reflective of normal system useage.

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-15

The Regional Municipality of Durham
Bowmanville Drinking Water System
2025 Flow Summary Report

Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Raw Water Maximum Daily Flow (m^3/day)	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day)	Treated Water Maximum Daily Flow (m^3/day)	Total Treated Water Flow (m^3)
January	11,530	13,559	357,445	10,952	12,278	339,527
February	11,462	12,946	320,938	10,915	12,621	305,613
March	11,328	14,110	351,165	10,798	13,577	334,724
April	11,327	13,429	339,822	10,785	12,949	323,555
May	12,242	19,497	379,493	11,626	18,343	360,408
June	14,206	19,686	426,188	13,338	17,587	400,126
July	14,985	19,948	464,522	13,979	16,255	433,339
August	14,111	17,711	437,435	13,054	16,381	404,679
September	12,656	13,876	379,688	11,606	13,092	348,177
October	11,808	16,345	366,036	10,722	15,092	332,368
November	11,522	14,294	345,650	10,318	12,020	309,547
December	11,509	14,106	356,788	10,418	13,159	322,953
Annual Total			4,525,170			4,215,016
Maximum		19,948			18,343	
Average	12,391			11,543		
% Capacity		42			50	
Permit to Take Water Limit		47,700				
Municipal Drinking Water Licence Limit					36,368	

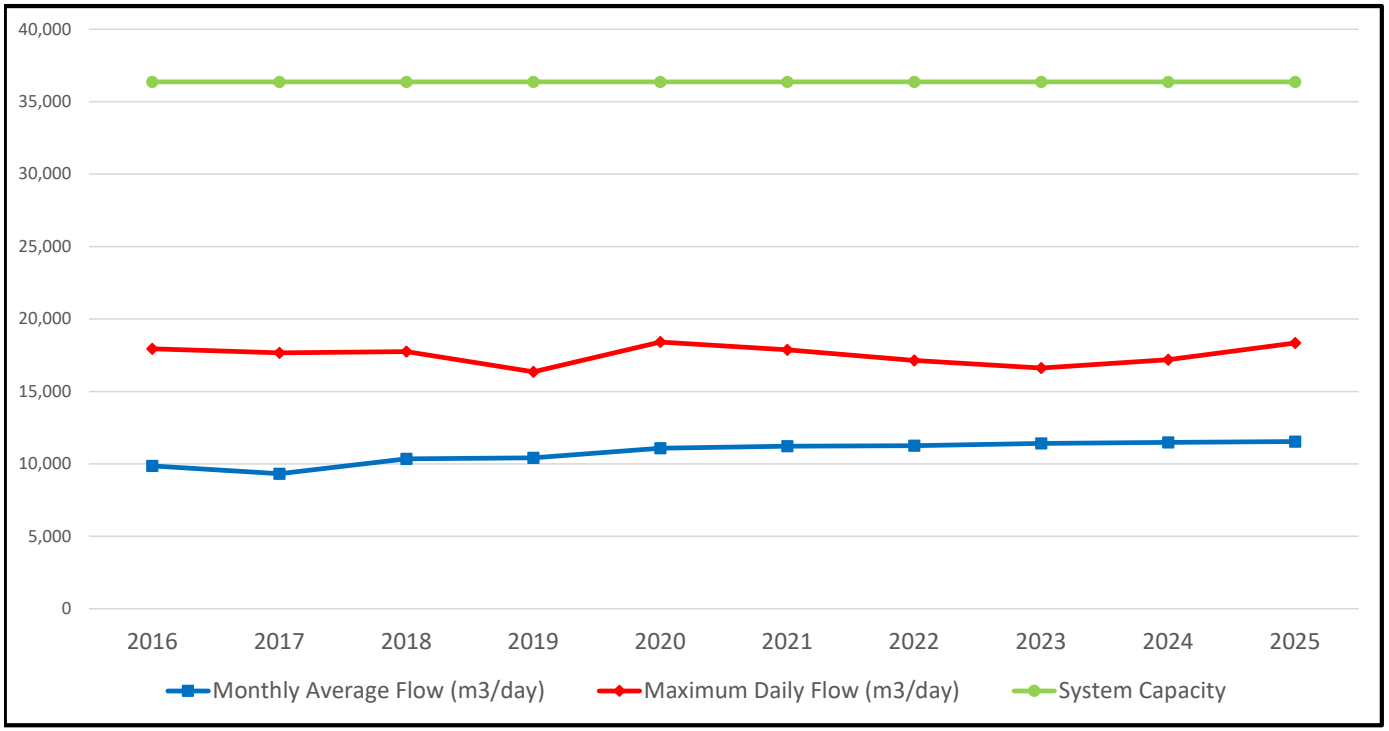
Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-09

The Regional Municipality of Durham
Bowmanville Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	9,858	17,935	36,368
2017	9,321	17,659	36,368
2018	10,340	17,750	36,368
2019	10,423	16,354	36,368
2020	11,079	18,409	36,368
2021	11,227	17,867	36,368
2022	11,258	17,140	36,368
2023	11,421	16,613	36,368
2024	11,483	17,191	36,368
2025	11,543	18,343	36,368

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-09

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 2 Raw Water Maximum Taken per Minute (litres)	Well # 2 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-Rated	Well # 2 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 2 Total Raw Water Flow (m^3)	Well # 2 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 2 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 2 Total Treated Water Flow (m^3)
January	60	53	64	1,652	53	64	1,652
February	50	46	50	1,297	46	50	1,297
March	50	39	52	1,201	39	52	1,201
April	50	30	43	914	30	43	914
May	40	25	29	793	25	29	793
June	35	24	28	720	24	28	720
July	70	38	63	1,190	38	63	1,190
August	80	64	82	1,991	64	82	1,991
September	70	64	70	1,919	64	70	1,919
October	70	66	76	2,044	66	76	2,044
November	70	69	93	2,080	69	93	2,080
December	60	69	81	2,115	69	81	2,115
Annual Total				17,916			17,916
Maximum	80		93			93	
Average		49			49		
% Capacity	95		77			18	
Permit to Take Water Limit	84		121				
Municipal Drinking Water Limit*						510	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 2 & 7.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 7 Raw Water Maximum Taken per Minute (litres)	Well # 7 Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Well # 7 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 7 Total Raw Water Flow (m^3)	Well # 7 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 7 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 7 Total Treated Water Flow (m^3)
January	260	271	317	8,441	271	317	8,441
February	260	248	270	6,943	248	270	6,943
March	260	222	292	6,857	222	292	6,857
April	260	193	258	5,809	193	258	5,809
May	260	187	217	5,829	187	217	5,829
June	260	195	235	5,869	195	235	5,869
July	270	212	244	6,583	212	244	6,583
August	260	248	316	7,670	248	316	7,670
September	260	248	269	7,428	248	269	7,428
October	260	257	298	7,984	257	298	7,984
November	260	276	360	8,312	276	360	8,312
December	260	292	337	8,998	292	337	8,998
Annual Total				86,723			86,723
Maximum	270		360			360	
Average		237			237		
% Capacity	100		92			70	
Permit to Take Water Limit	270		389				
Municipal Drinking Water Licence Limit*						510	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 2 & 7.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 2 and 7 Treated Water Monthly Average Flow Cubic metres per day (m^3/day)	Well # 2 and 7 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 2 and 7 Total Treated Water Flow (m^3)
January	324	379	10,093
February	294	320	8,240
March	261	345	8,058
April	223	301	6,723
May	212	247	6,622
June	219	258	6,589
July	250	304	7,773
August	312	398	9,661
September	312	338	9,347
October	323	374	10,028
November	345	450	10,392
December	360	418	11,113
Annual Total			104,639
Maximum		450	
Average	286		
% Capacity*		88	
Municipal Drinking Water Licence Limit*		510	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

*Limit is combined for Wells 2 & 7.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 3 Raw Water Maximum Taken per Minute (litres)	Well # 3 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 3 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Raw Water Flow (m^3)	Well # 3 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 3 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Treated Water Flow (m^3)
January	170	173	194	5,411	173	194	5,411
February	170	157	180	4,399	157	180	4,399
March	160	133	179	4,107	133	179	4,107
April	170	106	124	2,441	106	124	2,441
May	160	114	128	3,547	114	128	3,547
June	160	119	138	3,582	119	138	3,582
July	160	128	156	3,973	128	156	3,973
August	160	149	185	4,603	149	185	4,603
September	170	153	167	4,574	153	167	4,574
October	170	159	170	4,949	159	170	4,949
November	180	158	177	4,566	163	177	4,559
December	170	177	195	5,453	177	195	5,453
Annual Total				51,605			51,598
Maximum	180		195			195	
Average		144			144		
% Capacity	100		75			75	
Permit to Take Water Limit	180		259				
Municipal Drinking Water License Limit						259	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 4 Raw Water Maximum Taken per Minute (litres)	Well # 4 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 4 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 4 Total Raw Water Flow (m^3)	Well # 4 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 4 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 4 Total Treated Water Flow (m^3)
January	180	181	201	5,628	181	201	5,628
February	180	167	179	4,663	167	179	4,663
March	180	145	201	4,499	145	201	4,499
April	190	127	169	3,834	127	169	3,834
May	180	122	151	3,809	122	151	3,809
June	180	128	154	3,827	128	154	3,827
July	180	136	165	4,228	136	165	4,228
August	180	157	197	4,875	157	197	4,875
September	190	159	178	4,768	159	178	4,768
October	190	163	178	5,070	163	178	5,070
November	190	179	240	5,383	179	240	5,383
December	180	190	212	5,874	190	212	5,874
Annual Total				56,458			56,458
Maximum	190		240			240	
Average		154			154		
% Capacity	99		87			87	
Permit to Take Water Limit	192		277				
Municipal Drinking Water License Limit						276	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 8 Raw Water Maximum Taken per Minute (litres)	Well # 8 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 8 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 8 Total Raw Water Flow (m^3)	Well # 8 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 8 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 8 Total Treated Water Flow (m^3)
January	360	3	3	11	0	0	0
February	340	5	14	28	0	0	0
March	330	158	240	2,502	180	240	2,495
April	330	198	256	5,994	198	256	5,994
May	340	187	235	5,836	187	235	5,836
June	340	197	231	5,899	197	231	5,899
July	340	204	243	6,362	204	243	6,362
August	320	122	189	1,077	182	189	1,073
September	320	2	3	9	0	0	0
October	270	2	2	9	0	0	0
November	270	4	6	11	0	0	0
December	295	2	4	10	0	0	0
Annual Total				27,748			27,659
Maximum	360		256			256	
Average		90			96		
% Capacity	63		31			31	
Permit to Take Water Limit	568		818				
Municipal Drinking Water License Limit						818	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
Note: MW8 offline September 20, 2024 to March 18, 2025, and August 6, 2025 through to the end of the year.
MW8 was offline for many periods in 2025 due to high nitrate concentrations.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 9 Raw Water Maximum Taken per Minute (litres)	Well # 9 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-Rated	Well # 9 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 9 Total Raw Water Flow (m^3)	Well # 9 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 9 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 9 Total Treated Water Flow (m^3)**
January	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-
March	180	11	25	54	11	25	54
April	360	8	24	80	8	24	80
May	360	2	3	12	2	3	12
June	360	2	3	12	2	3	12
July	360	15	51	80	51	51	69
August	360	18	50	105	0	0	0
September	360	3	5	20	0	0	0
October	360	5	15	42	0	0	0
November	360	15	55	90	0	0	0
December	360	2	3	14	0	0	0
Annual Total				506			226
Maximum	360		55			51	
Average		8			7		
% Capacity	94		10			6	
Permit to Take Water Limit	384		553				
Municipal Drinking Water Limit*						829	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 9 & 10.
**Aside from the month of March, this water was treated for the purposes of equipment testing and sampling; no water was conveyed to the distribution system.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 10 Raw Water Maximum Taken per Minute (litres)	Well # 10 Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Well # 10 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 10 Total Raw Water Flow (m^3)	Well # 10 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 10 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 10 Total Treated Water Flow (m^3)**
January	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-
March	180	6	12	27	6	12	27
April	180	4	13	40	4	13	40
May	180	2	3	7	2	3	7
June	180	1	2	7	1	2	7
July	180	1	12	22	6	12	16
August	180	12	27	51	0	0	0
September	180	2	3	11	0	0	0
October	180	2	2	15	0	0	0
November	180	26	26	39	0	0	0
December	0	0	0	0	0	0	0
Annual Total				220			97
Maximum	180		27			13	
Average		6			2		
% Capacity	94		10			2	
Permit to Take Water Limit	192		276				
Municipal Drinking Water Licence Limit*						829	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 9 & 10.
**Aside from the month of March, this water was treated for the purposes of equipment testing and sampling; no water was conveyed to the distribution system.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Well # 9 and 10 Treated Water Monthly Average Flow Cubic metres per day (m^3/day)	Well # 9 and 10 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 9 and 10 Total Treated Water Flow (m^3)**
January	-	-	-
February	-	-	-
March	17	37	81
April	12	36	120
May	4	6	18
June	3	4	18
July	57	63	85
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Annual Total			322
Maximum		63	
Average	9		
% Capacity*		8	
Municipal Drinking Water Licence Limit*		829	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

*Limit is combined for Wells 9 & 10.
**Aside from the month of March, this water was treated for the purposes of equipment testing and sampling; no water was conveyed to the distribution system.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Cannington Drinking Water System
2025 Flow Summary Report

Month	Total System Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Total System Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Total Raw Water Flow (m^3)	Total System Treated Water Monthly Average Flow (m^3/day) Pro-rated	Total System Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Total System Total Treated Water Flow (m^3)
January	678	739	21,143	677	739	21,132
February	619	669	17,330	618	665	17,302
March	622	712	19,247	622	711	19,240
April	637	752	19,228	637	752	19,228
May	636	754	19,832	636	754	19,832
June	663	757	19,915	663	757	19,915
July	721	838	22,438	721	834	22,421
August	655	807	20,266	654	779	20,212
September	624	687	18,729	623	678	18,689
October	647	723	20,113	646	715	20,047
November	680	785	20,481	676	722	20,334
December	727	803	22,464	727	797	22,440
Annual Total			241,186			240,793
Maximum		838			834	
Average	659			658		
% Capacity		31			31	
Permit to Take Water Limit*		2,693				
Municipal Drinking Water License Limit**					2,692	

*The Permit to Take Water Limit includes Municipal Wells 9 and 10, which are currently not in service.

**The Municipal Drinking Water Licence (MDWL) limit shown (1,863 m^3/day) is a combined total of all limits listed individually on the MDWL.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

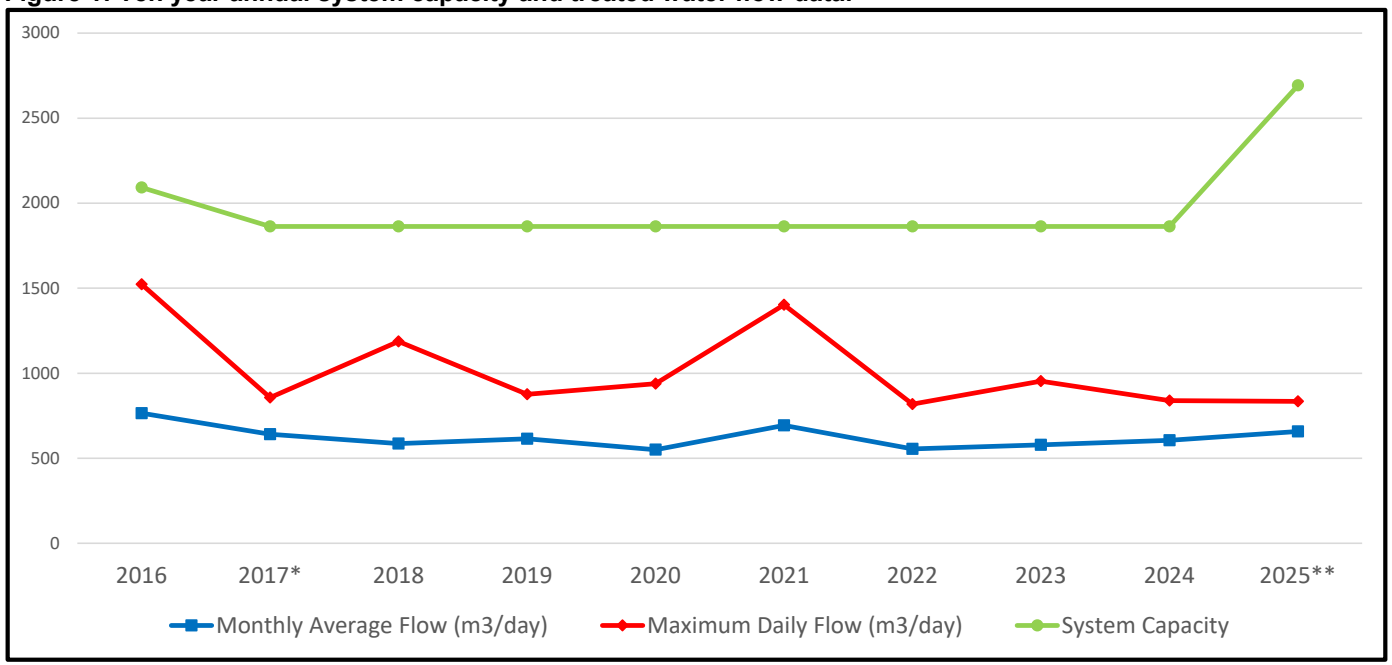
Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	765	1523	2,092
2017*	641	857	1,863
2018	586	1,186	1,863
2019	614	876	1,863
2020	550	938	1,863
2021	693	1402	1,863
2022	555	818	1,863
2023	578	954	1,863
2024	606	840	1,863
2025**	657	834	2,692

*Capacity changed due to decommissioning of Well 6.

**Capacity changed due to the addition of Wells 9 and 10.

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-26

The Regional Municipality of Durham
Greenbank Drinking Water System
2025 Flow Summary Report

Month	Well # 1 Raw Water Maximum Taken per Minute (litres)	Well # 1 Raw Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 1 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 1 Total Raw Water Flow (m^3)	Well # 3 Raw Water Maximum Taken per Minute (litres)	Well # 3 Raw Water Monthly Average Flow (m^3/day) Pro-rated	Well # 3 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Raw Water Flow (m^3)
January	60	19	25	576	53	17	23	535
February	60	23	34	645	53	20	30	571
March	60	21	34	635	52	17	27	536
April	65	19	26	578	52	16	21	485
May	60	21	34	663	56	17	27	539
June	60	27	39	813	45	20	29	597
July	60	28	44	868	43	20	30	625
August	60	27	37	829	40	18	27	571
September	60	24	30	714	40	17	31	511
October	60	24	31	756	41	15	19	454
November	60	24	33	710	40	13	19	394
December	60	25	36	762	37	14	21	415
Annual Total				8,549				6,233
Maximum	65		44		56		31	
Average		23				17		
% Capacity	93		44		62		24	
Permit to take water limit	70		101		91		130	

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Greenbank Drinking Water System
2025 Flow Summary Report

Month	Well # 4 Raw Water Maximum Taken per Minute (litres)	Well # 4 Raw Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 4 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 4 Total Raw Water Flow (m^3)	Well # 5 Raw Water Maximum Taken per Minute (litres)	Well # 5 Raw Water Monthly Average Flow (m^3/day) Pro-rated	Well # 5 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 5 Total Raw Water Flow (m^3)
January	60	19	26	586	54	16	20	483
February	60	12	20	70	54	20	26	556
March	67	17	22	381	54	18	28	564
April	65	19	26	578	52	16	21	485
May	55	19	32	585	55	18	32	543
June	55	24	33	709	55	23	32	685
July	55	24	35	733	50	22	33	693
August	55	22	30	671	50	19	26	594
September	55	21	45	605	50	18	23	541
October	53	17	23	541	45	16	20	490
November	50	16	23	472	45	15	22	453
December	66	15	21	376	45	17	25	507
Annual Total				6,307				6,594
Maximum	67		45		55		33	
Average		19				18		
% Capacity	99		46		81		33	
Permit to take water limit	68		99		68		99	

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Greenbank Drinking Water System
2025 Flow Summary Report

Month	Well # 6 Raw Water Maximum Taken per Minute (litres)	Well # 6 Raw Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 6 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 6 Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Total Treated Water Flow (m^3)
January	90	30	39	907	97	107	3,004
February	85	35	50	992	97	107	2,723
March	85	31	47	968	95	109	2,942
April	85	30	38	901	98	117	2,950
May	88	33	52	1,020	106	143	3,265
June	85	39	56	1,166	133	187	3,971
July	86	42	63	1,296	137	202	4,215
August	85	39	53	1,197	124	171	3,862
September	86	37	46	1,123	115	141	3,458
October	86	32	42	998	102	125	3,171
November	87	30	43	889	97	139	2,868
December	86	32	48	987	99	130	3,047
Annual Total				12,445			39,477
Maximum	90		63			202	
Average		34			108		
% Capacity	99		48			37	
Permit to take water limit*	91		130			558	
Municipal Drinking Water License Limit						553	

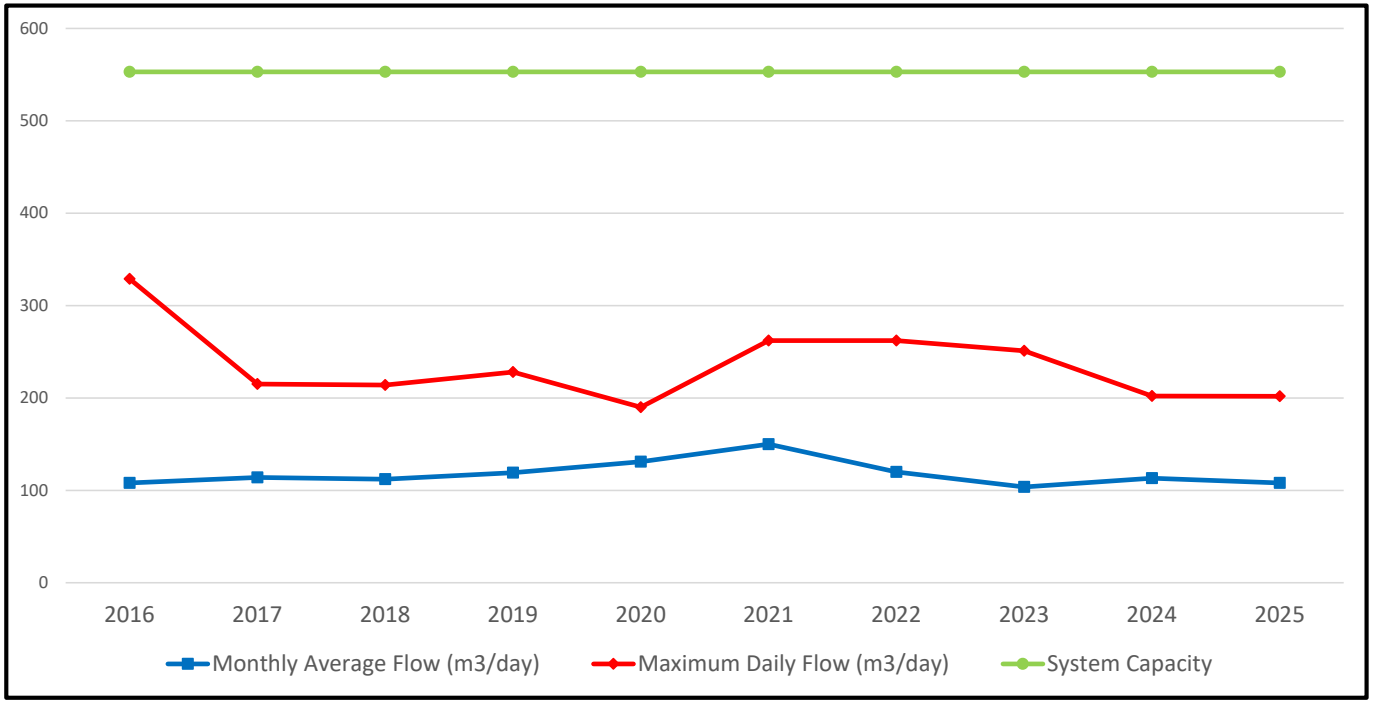
*PTTW combined raw water maximum daily flow of 558 m^3/day.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	108	329	553
2017	114	215	553
2018	112	214	553
2019	119	228	553
2020	131	190	553
2021	150	262	553
2022	120	262	553
2023	104	251	553
2024	113	202	553
2025	108	202	553

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Newcastle Drinking Water System
2025 Flow Summary Report

Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Raw Water Maximum Daily Flow (m^3/day)	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day)	Treated Water Maximum Daily Flow (m^3/day)	Total Treated Water Flow (m^3)
January	2,769	3,660	85,841	2,579	3,535	79,934
February	2,849	4,804	79,759	2,567	3,378	71,887
March	2,829	3,888	87,713	2,662	3,618	82,524
April	2,734	3,954	82,019	2,585	3,806	77,558
May	2,978	3,842	92,333	2,803	3,610	86,908
June	3,896	6,201	116,889	3,699	5,740	110,984
July	4,492	5,475	139,248	4,330	5,149	134,232
August	4,346	6,776	134,734	4,188	6,462	129,820
September	3,422	4,586	102,665	3,238	4,221	97,141
October	2,978	4,121	92,305	2,767	3,748	85,774
November	2,764	3,650	82,911	2,561	3,366	76,819
December	2,871	3,928	88,990	2,665	3,611	82,617
Annual Total			1,185,407			1,116,198
Maximum		6,776			6,462	
Average	3,244			3,054		
% Capacity		37			79	
Permit to Take Water Limit		18,100				
Municipal Drinking Water Licence Limit					8,173	

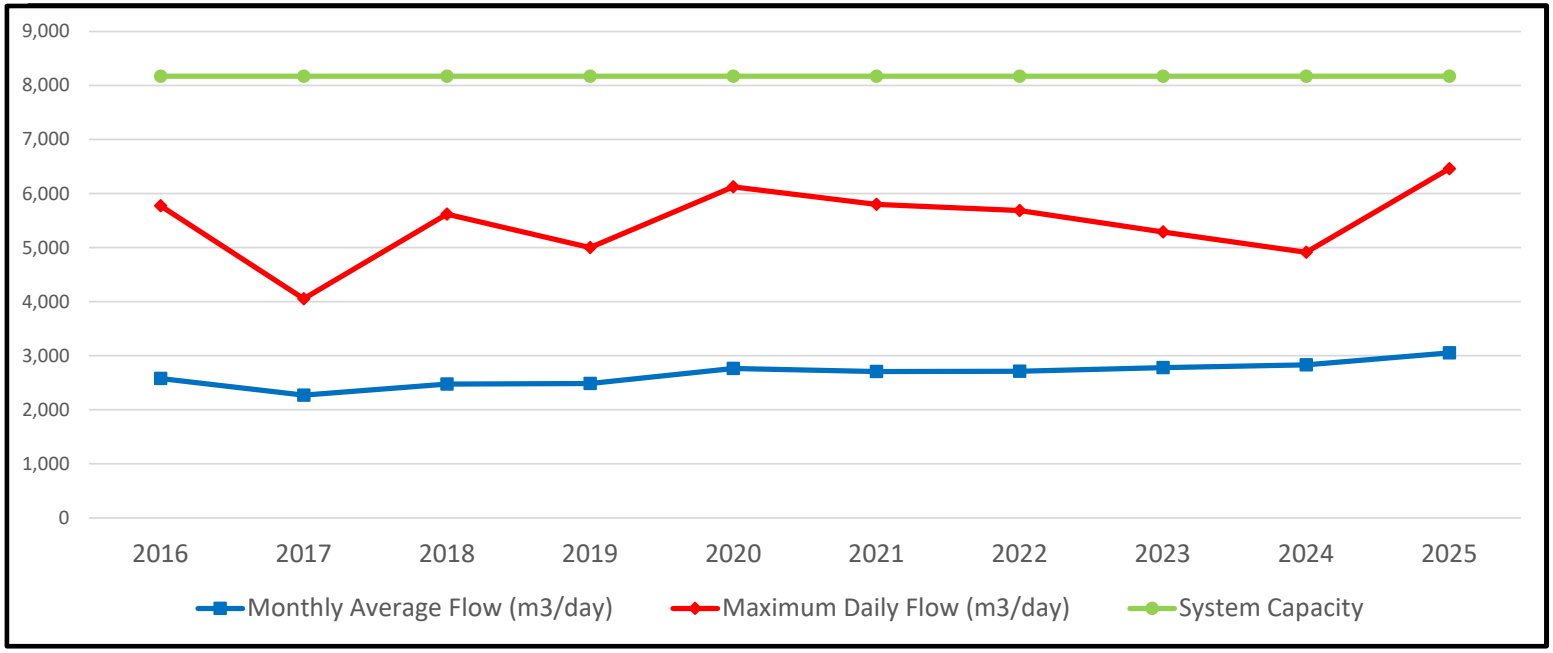
Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Newcastle Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	2,579	5,777	8,173
2017	2,272	4,056	8,173
2018	2,476	5,623	8,173
2019	2,489	5,004	8,173
2020	2,767	6,125	8,173
2021	2,707	5,802	8,173
2022	2,716	5,690	8,173
2023	2,779	5,290	8,173
2024	2,834	4,916	8,173
2025	3,054	6,462	8,173

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Orono Drinking Water System
2025 Flow Summary Report

Month	Well # 3 Raw Water Maximum Taken per Minute (litres)	Well # 3 Raw Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 3 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Raw Water Flow (m^3)	Well # 4 Raw Water Maximum Taken per Minute (litres)	Well # 4 Raw Water Monthly Average Flow (m^3/day) Pro-rated	Well # 4 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 4 Total Raw Water Flow (m^3)
January	720	246	365	5,717	660	235	269	1,878
February	720	247	320	5,149	660	231	246	1,632
March	720	261	374	6,150	720	273	337	2,223
April	720	349	467	7,594	720	334	418	2,732
May	720	465	692	10,514	720	461	568	3,801
June	828	471	703	10,677	822	457	656	4,597
July	828	395	571	8,591	804	395	471	3,953
August	822	364	521	5,747	804	380	511	6,132
September	816	285	385	4,765	792	322	429	4,181
October	822	251	438	4,160	798	290	446	4,396
November	804	290	245	3,676	786	259	346	3,762
December	786	255	376	3,997	774	257	308	3,870
Annual Total				76,737				43,157
Maximum	828		703		822		656	
Average		323				324		
% Capacity	91		81		90		75	
Permit to Take Water Limit	909		872		909		872	

Note: Wells 3 and 4 cannot be run for more than sixteen hours per day as indicated in the Permit to Take Water.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-15

The Regional Municipality of Durham
Orono Drinking Water System
2025 Flow Summary Report

Month	Well # 5* Raw Water Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 5* Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 5* Total Raw Water Flow (m^3)	System Total Treated Water Monthly Average Flow (m^3/day) Pro-rated	System Total Treated Water Maximum Daily Flow (m^3/day) Pro-rated	System Total Treated Water Flow (m^3)
January	0	0	0	238	349	7,435
February	0	0	0	240	320	6,661
March	0	0	0	268	374	8,211
April	0	0	0	329	467	10,146
May	0	0	0	459	692	14,135
June	0	0	0	489	703	15,013
July	0	0	0	403	571	12,385
August	0	0	0	382	521	11,828
September	0	0	0	299	429	8,895
October	0	0	0	276	748	8,507
November	0	0	0	242	346	7,383
December	0	0	0	254	376	7,806
Annual Total						118,405
Maximum		0			748	
Average	0			323		
% Capacity					73 / 37	
Permit to Take Water Limit	909	872				
Municipal Drinking Water Licence Limit**					873 / 1,745	

Note: Treated water volumes are calculated by subtracting waste from raw water volumes.
*Well 5 not in service.
**The rated capacity can be increased to 1,745 m^3/day for up to 90 days per calendar year.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-15

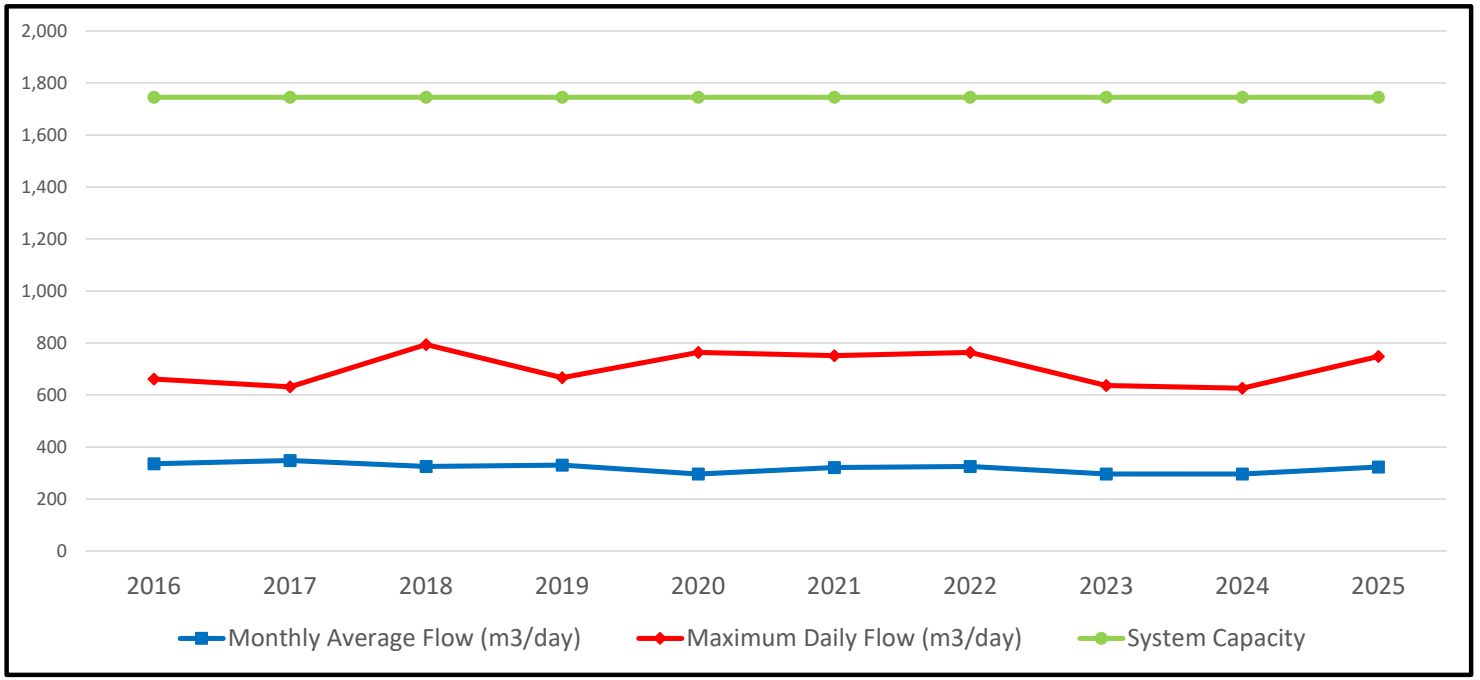
The Regional Municipality of Durham
Orono Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)*
2016	336	661	1,745
2017	348	631	1,745
2018	325	794	1,745
2019	330	666	1,745
2020	296	764	1,745
2021	321	751	1,745
2022	326	764	1,745
2023	296	637	1,745
2024	296	626	1,745
2025	323	748	1,745

*The rated capacity can be increased to 1,745 m^3/day not exceeding 90 days per calendar year.

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-15

The Regional Municipality of Durham
Oshawa Drinking Water System
2025 Flow Summary Report

Month	West Intake Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	West Intake Raw Water Maximum Daily Flow (m^3/day)	West Intake Total Raw Water Flow (m^3)	East Intake Raw Water Monthly Average Flow (m^3/day)	East Intake Raw Water Maximum Daily Flow (m^3/day)	East Intake Total Raw Water Flow (m^3)
January	12,615	15,398	391,049	41,726	49,663	1,293,501
February	13,122	15,979	380,540	47,804	54,124	1,386,306
March	15,189	17,259	470,843	48,800	55,791	1,512,809
April	14,297	16,521	428,903	49,028	54,059	1,470,834
May	14,367	18,753	445,381	47,329	63,000	1,467,207
June	15,344	17,768	460,319	64,385	75,187	1,931,561
July	15,753	17,072	488,366	52,781	58,802	1,636,218
August	15,529	17,513	481,405	55,582	64,630	1,723,048
September	14,056	17,811	421,668	47,705	56,347	1,431,152
October	12,459	15,314	386,241	42,403	51,625	1,314,498
November	12,668	15,227	380,044	40,864	47,989	1,225,913
December	12,914	15,026	400,328	42,833	49,479	1,327,824
Annual Total			5,135,086			17,720,869
Maximum		18,753			75,187	
Average	14,026			48,437		
% Capacity		43			84	
Permit to Take Water Limit		44,000			90,000	

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-16

The Regional Municipality of Durham
Oshawa Drinking Water System
2025 Flow Summary Report

Month	Total Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Total Raw Water Maximum Daily Flow (m^3/day)	Total Raw Water Flow (m^3)	Total Treated Water Monthly Average Flow (m^3/day)	Total Treated Water Maximum Daily Flow (m^3/day)	Total Treated Water Flow (m^3)
January	54,340	65,061	1,684,550	45,468	54,139	1,409,499
February	60,926	69,976	1,766,846	56,177	62,087	1,629,143
March	63,989	72,331	1,983,651	57,148	62,809	1,771,571
April	63,325	70,012	1,899,736	57,544	62,565	1,726,305
May	58,597	77,284	1,816,494	53,551	67,490	1,660,079
June	64,385	75,187	1,931,561	58,394	67,845	1,751,830
July	68,758	75,730	2,131,489	60,449	65,920	1,873,909
August	68,902	79,347	2,135,951	61,218	71,201	1,897,754
September	61,761	74,158	1,852,820	54,464	64,680	1,633,907
October	54,863	66,939	1,700,739	46,880	54,895	1,453,273
November	50,712	61,131	1,521,373	46,211	54,859	1,386,318
December	55,747	64,506	1,728,151	46,378	52,169	1,437,717
Annual Total			22,153,361			19,631,305
Maximum		79,347			71,201	
Average	60,525			53,657		
% Capacity		59			67	
Permit to Take Water Limit*		134,000				
Municipal Drinking Water Licence Limit					107,000	

* Oshawa Plant 1 has a capacity of 27,000 m^3/day. Plant 2 has a capacity of 107,000 m^3/day. Only Plant 2 was operational during the reporting period.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-16

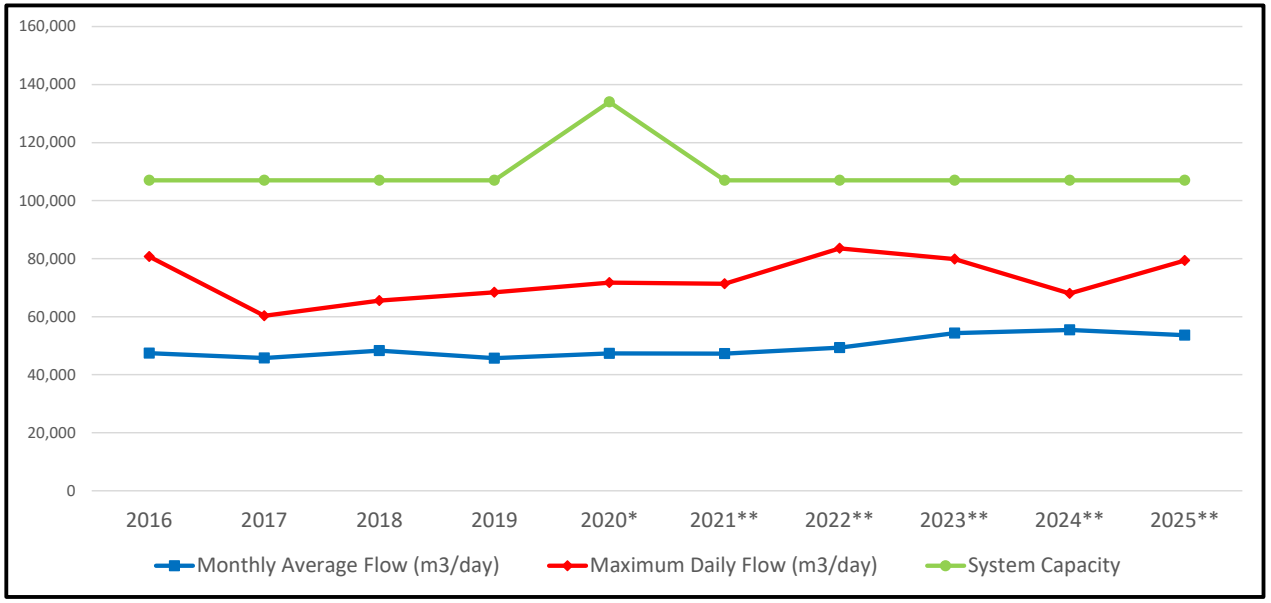
The Regional Municipality of Durham
Oshawa Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	47,443	80,756	107,000
2017	45,763	60,306	107,000
2018	48,334	65,556	107,000
2019	45,707	68,374	107,000
2020*	47,311	71,764	134,000
2021**	47,229	71,381	107,000
2022**	49,330	83,547	107,000
2023**	54,366	79,808	107,000
2024**	55,430	68,039	107,000
2025**	53,657	79,347	107,000

*Oshawa Plant 1 has a capacity of 27,000 m^3/day. Plant 2 has a capacity of 107,000 m^3/day. Plant 1 was out of service from 2010 to 2020 for upgrades. When it came online November 3rd, 2020 the system capacity increased from 107,000 m^3/day to 134,000 m^3/day.
** Oshawa Plant 1 was taken out of service on June 3, 2021.

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-16

The Regional Municipality of Durham
Port Perry Drinking Water System
2025 Flow Summary Report

Month	Well # 3 Maximum Taken per Minute (litres)	Well # 3 Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 3 Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Water Flow (m^3)	Well # 5 Maximum Taken per Minute (litres)	Well # 5 Monthly Average Flow (m^3/day) Pro-rated	Well # 5 Maximum Daily Flow (m^3/day) Pro-rated	Well # 5 Total Water Flow (m^3)
January	1,700	250	344	7,685	1,700	234	325	7,210
February	1,700	264	446	7,386	1,700	253	468	7,103
March	1,700	194	298	5,967	1,700	201	288	5,991
April	1,700	242	1,153	6,214	1,700	272	1,119	6,399
May	1,700	481	1,408	15,172	1,700	482	1,542	15,251
June	1,700	257	832	7,757	1,700	257	823	7,751
July	1,700	256	654	7,834	1,700	256	643	7,863
August	1,700	289	1,481	9,037	1,700	289	1,456	9,031
September	1,700	284	1,109	8,467	1,700	282	1,100	8,404
October	1,700	214	277	6,660	1,700	212	283	6,596
November	1,700	395	1,181	11,669	1,700	389	1,165	11,506
December	1,700	704	1,473	21,660	1,700	684	1,634	21,436
Annual Total				115,508				114,541
Maximum	1,700		1,481		1,700		1,634	
Average		319				318		
% Capacity	94		57		94		62	
Permit to take water limit	1,817		2,617		1,817		2,617	
Municipal Drinking Water License Limit			2,618				2,618	

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Port Perry Drinking Water System
2025 Flow Summary Report

Month	Well # 6 Maximum Taken per Minute (litres)	Well # 6 Monthly Average Flow cubic metres per day (m^3/day) Pro-rated	Well # 6 Maximum Daily Flow (m^3/day) Pro-rated	Well # 6 Total Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day) Pro-rated	Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Total Treated Water Flow (m^3)
January	4,300	1,823	2,135	56,595	2,307	2,613	71,490
February	4,300	1,720	1,898	48,175	2,236	2,427	62,664
March	4,300	1,777	2,020	55,315	2,165	2,455	67,273
April	4,300	1,900	2,528	57,520	2,327	2,765	70,133
May	4,300	2,008	5,209	54,303	2,705	7,878	84,726
June	4,320	2,553	3,708	77,095	3,067	4,191	92,603
July	4,300	2,870	4,378	89,609	3,381	4,913	105,306
August	4,300	2,379	3,254	73,491	2,958	4,393	91,559
September	4,300	2,054	2,567	61,666	2,620	2,981	78,537
October	4,300	2,034	2,340	63,533	2,460	2,790	76,789
November	4,300	1,655	2,016	44,903	2,274	2,633	68,224
December	4,300	1,544	2,005	29,218	2,334	2,935	72,343
Annual Total				711,423			941,647
Maximum	4,320		5,209			7,878	
Average		2,026			2,570		
% Capacity	95		80			67	
Permit to take water limit	4,543		6,542				
Municipal Drinking Water License Limit*			6,545			11,781	

*The Municipal Drinking Water Licence (MDWL) limit shown (11,781 m3/day) is a combined total of all limits listed individually on the MDWL.

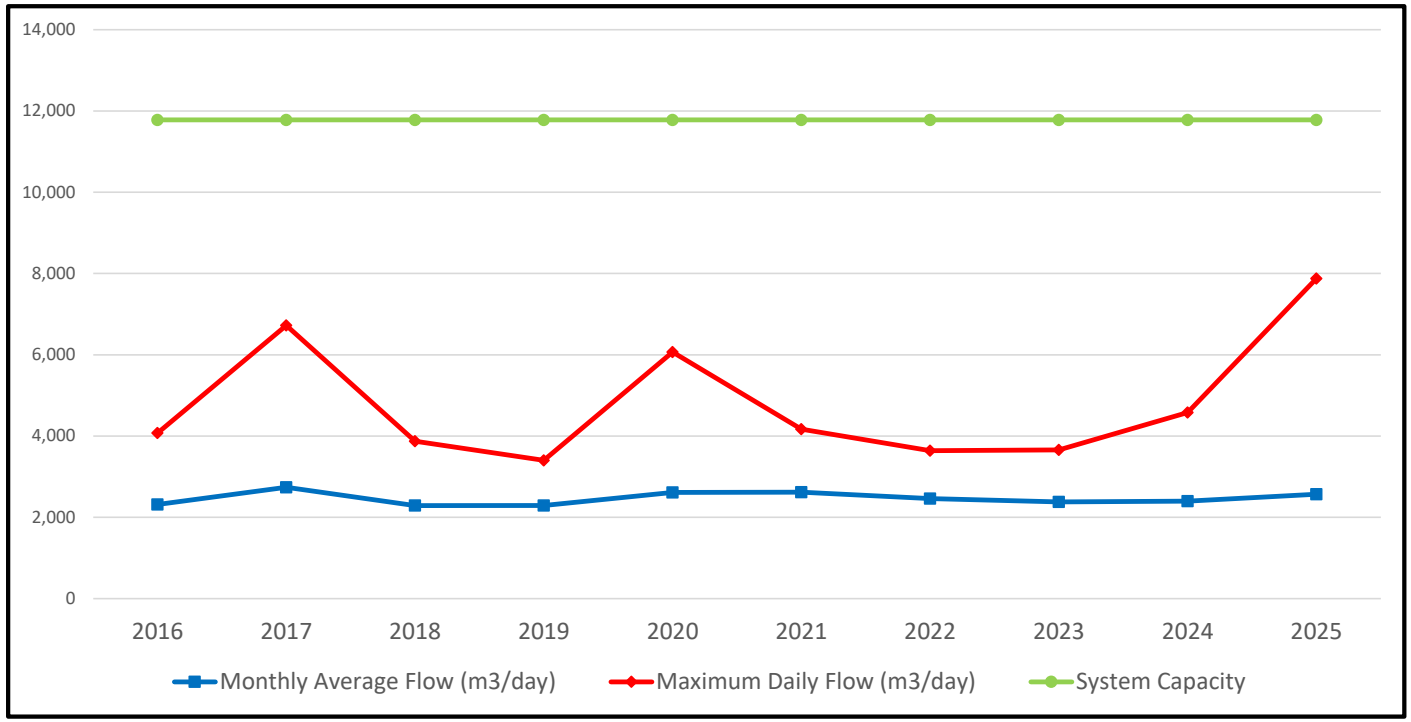
Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Port Perry Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	2,317	4,075	11,781
2017	2,740	6,724	11,781
2018	2,289	3,873	11,781
2019	2,292	3,403	11,781
2020	2,613	6,070	11,781
2021	2,621	4,173	11,781
2022	2,462	3,644	11,781
2023	2,377	3,658	11,781
2024	2,402	4,579	11,781
2025	2,570	7,878	11,781

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Sunderland Drinking Water System
2025 Flow Summary Report

Month	Well # 1 Raw Water Maximum Taken per Minute (litres)	Well # 1 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 1 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 1 Total Raw Water Flow (m^3)	Well #1 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well #1 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 1 Total Treated Water Flow (m^3)
January	414	164	338	5,106	164	338	5,106
February	414	192	358	5,345	192	358	5,345
March	414	187	325	5,830	187	325	5,830
April	414	180	285	5,441	180	285	5,441
May	414	203	401	6,288	203	401	6,288
June	402	178	241	5,337	178	241	5,337
July	432	201	300	6,263	201	300	6,263
August	438	202	330	6,278	202	330	6,278
September	450	167	378	5,034	167	378	5,034
October	450	151	302	4,642	151	302	4,642
November	456	162	361	4,802	162	361	4,802
December	450	178	318	5,576	178	318	5,576
Annual Total				65,942			65,942
Maximum	456		401			401	
Average		180			180		
% Capacity	45		29			29	
Permit to Take Water Limit	1,023		1,373				
Municipal Drinking Water Licence Limit						1,374	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Sunderland Drinking Water System
2025 Flow Summary Report

Month	Well # 2 Raw Water Maximum Taken per Minute (litres)	Well # 2 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 2 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 2 Total Raw Water Flow (m^3)	Well # 2 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 2 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 2 Total Treated Water Flow (m^3)
January	564	4	5	15	0	0	0
February	576	5	6	18	0	0	0
March	576	5	7	17	0	0	0
April	576	4	6	17	0	0	0
May	564	4	6	18	0	0	0
June	582	4	6	18	0	0	0
July	564	4	6	19	0	0	0
August	564	4	6	16	0	0	0
September	576	5	7	21	0	0	0
October	582	5	7	26	0	0	0
November	582	4	5	15	0	0	0
December	576	5	5	23	0	0	0
Annual Total				223			
Maximum	582		7				
Average		4					
% Capacity	57		1				
Permit to Take Water Limit	1,023		1,373				
Municipal Drinking Water Licence Limit							

Note: Well 2 was not in service in 2025.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Sunderland Drinking Water System
2025 Flow Summary Report

Month	Well # 3 Raw Water Maximum Taken per Minute (litres)	Well # 3 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 3 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Raw Water Flow (m^3)	Well # 3 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 3 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 3 Total Treated Water Flow (m^3)
January	564	204	252	6,307	204	252	6,307
February	576	196	260	5,486	196	260	5,486
March	564	193	260	5,975	193	260	5,975
April	564	173	255	5,203	173	255	5,203
May	576	167	251	5,188	167	251	5,188
June	564	225	307	6,786	225	307	6,786
July	588	168	276	5,260	168	276	5,260
August	552	144	263	4,485	144	263	4,485
September	552	195	397	5,595	195	397	5,595
October	552	197	343	5,763	197	343	5,763
November	552	191	339	5,814	191	339	5,814
December	552	210	290	6,536	210	290	6,536
Annual Total				68,398			68,398
Maximum	588		397			397	
Average		188			188		
% Capacity	98		46			46	
Permit to Take Water Limit	600		864				
Municipal Drinking Water Licence Limit						864	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Sunderland Drinking Water System
2025 Flow Summary Report

Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day) Pro-rated	Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Total Treated Water Flow (m^3) Pro-rated
January	368	401	11,428	368	401	11,403
February	389	524	10,849	388	524	10,860
March	381	451	11,822	381	444	11,798
April	354	408	10,661	353	408	10,600
May	370	530	11,494	370	530	11,458
June	403	530	12,141	403	526	12,081
July	370	493	11,542	369	493	11,441
August	346	503	10,779	345	503	10,700
September	356	758	10,650	356	758	10,668
October	336	510	10,431	335	510	10,399
November	353	465	10,631	353	465	10,576
December	389	535	12,135	388	530	12,024
Annual Total			134,563			134,009
Maximum		758			758	
Average	368			367		
% Capacity		28			34	
Permit to Take Water Limit		2,745				
Municipal Drinking Water Licence Limit**					2,238	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.

**The Municipal Drinking Water Licence (MDWL) limit shown (2,238 m^3/day) is a combined total of all limits listed individually on the MDWL.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

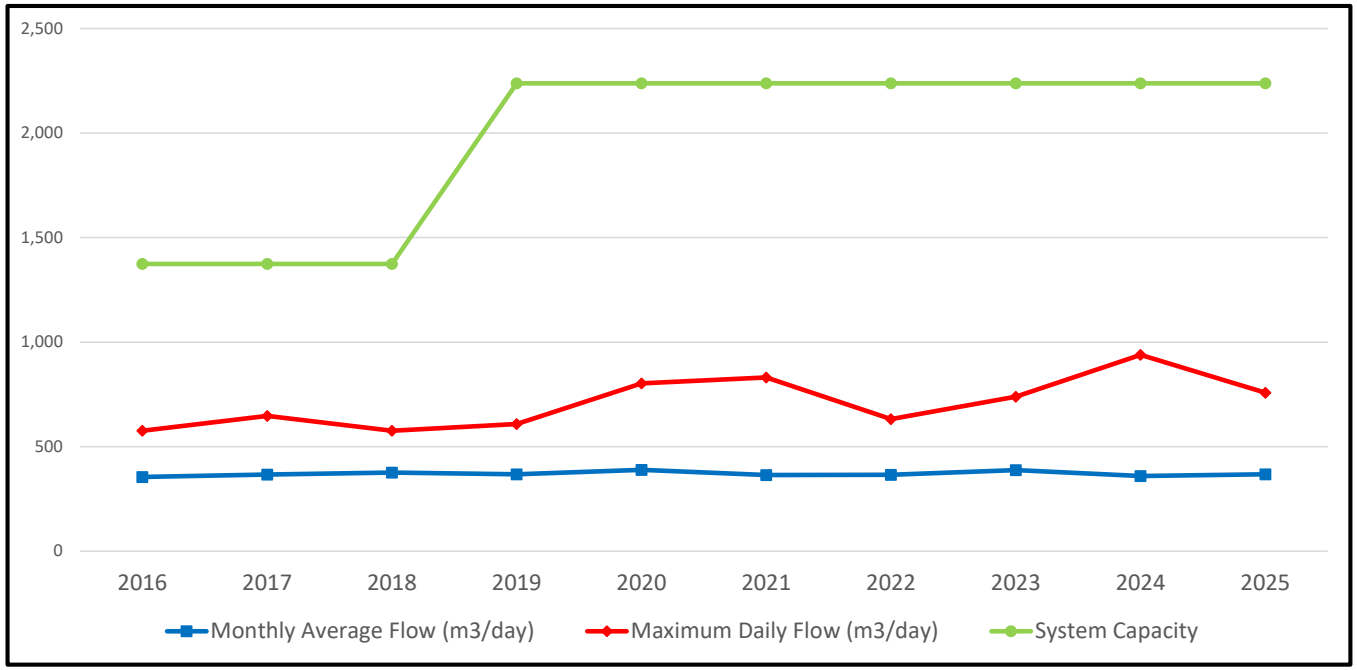
The Regional Municipality of Durham
Sunderland Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)*
2016	355	576	1,374
2017	367	647	1,374
2018	376	576	1,374
2019	368	608	2,238
2020	389	803	2,238
2021	364	831	2,238
2022	366	631	2,238
2023	388	739	2,238
2024	360	939	2,238
2025	367	758	2,238

*Sunderland DWS cannot achieve its rated capacity due to hydraulic restrictions within the treatment process.

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Uxbridge Drinking Water System
2025 Flow Summary Report

Month	Well # 5 Raw Water Maximum Taken per Minute (litres)	Well # 5 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 5 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 5 Total Raw Water Flow (m^3)	Well # 5 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 5 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 5 Total Treated Water Flow (m^3)
January	2,700	1,061	1,256	20,261	1,060	1,256	20,246
February	2,700	981	1,249	17,488	979	1,249	17,463
March	2,700	1,317	1,625	32,843	1,316	1,625	32,828
April	2,700	1,561	1,799	47,009	1,561	1,799	47,009
May	2,700	1,427	1,693	35,937	1,427	1,693	35,937
June	2,700	1,746	2,367	52,353	1,746	2,367	52,353
July	2,700	2,059	2,753	63,844	2,059	2,753	63,844
August	2,700	1,567	2,014	41,154	1,566	2,014	41,139
September	2,700	1,366	1,694	25,691	1,365	1,694	25,676
October	2,700	1,222	2,071	23,172	1,221	2,071	23,157
November	2,700	1,033	1,317	18,774	1,031	1,317	18,744
December	2,700	1,107	1,447	19,029	1,105	1,447	18,999
Annual Total				397,555			397,395
Maximum	2,700		2,753			2,753	
Average		1,370			1,370		
% Capacity	90		64			33	
Permit to take water limit	3,000		4,320				
Municipal Drinking Water License Limit*						8,251	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 5 and 7.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Uxbridge Drinking Water System
2025 Flow Summary Report

Month	Well # 7 Raw Water Maximum Taken per Minute (litres)	Well # 7 Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 7 Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 7 Total Raw Water Flow (m^3)	Well # 7 Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 7 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 7 Total Treated Water Flow (m^3)
January	1,600	765	970	12,294	765	970	12,294
February	1,600	786	959	11,830	785	959	11,815
March	1,600	760	920	17,121	799	920	15,267
April	1,600	869	1,000	26,164	869	1,000	26,164
May	1,600	976	1,172	7,792	975	1,172	7,777
June	1,600	165	341	636	16	22	326
July	1,600	24	211	716	23	23	671
August	1,600	847	1,228	8,431	842	1,228	8,386
September	1,600	1,003	1,263	15,028	1002	1,263	15,013
October	1,600	803	1,184	14,500	802	1,184	14,475
November	1,600	833	1,016	13,968	883	1,016	13,945
December	1,600	848	1,113	16,950	847	1,113	16,935
Annual Total				145,430			143,068
Maximum	1,600		1,263			1,263	
Average		723			717		
% Capacity	53		29			15	
Permit to Take Water Limit	3,000		4,320				
Municipal Drinking Water Licence Limit*						8,251	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 5 and 7.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Uxbridge Drinking Water System
2025 Flow Summary Report

Month	Well # 5 and 7 Treated Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Well # 5 and 7 Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 5 and 7 Total Treated Water Flow (m^3) Pro-rated	Well # 6 Raw/Treated Water Maximum Taken per Minute (litres)	Well # 6 Raw/Treated Water Monthly Average Flow (m^3/day) Pro-rated	Well # 6 Raw/Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Well # 6 Total Raw/Treated Water Flow (m^3)
January	1,050	1,390	32,540	2,520	1,366	1,707	42,566
February	1,046	1,407	29,278	2,520	1,359	1,627	37,980
March	1,658	2,860	48,095	2,520	1,308	1,555	23,521
April	2,439	3,111	73,173	2,520	94	94	90
May	1,410	1,925	43,714	2,520	1,564	2,365	48,575
June	1,756	2,653	52,679	2,520	1,822	2,366	54,419
July	2,081	2,930	64,515	2,520	1,979	2,477	61,385
August	1,598	2,378	49,525	2,520	1,772	2,235	55,355
September	1,356	1,996	40,689	2,520	1,717	2,114	51,285
October	1,214	1,945	37,632	2,520	1,513	1,900	47,027
November	1,090	1,427	32,689	2,520	1,426	1,683	42,607
December	1,159	1,616	35,934	2,520	1,512	1,812	47,133
Annual Total			540,463				511,943
Maximum		3,111		2,520		2,477	
Average	1,488						
% Capacity				92		63	
Permit to Take Water Limit				2,730		3,931	
Municipal Drinking Water Licence Limit*		8,251				3,931	

Note: Treated water volumes calculated by subtracting waste from raw water volumes.
*Limit is combined for Wells 5 and 7.

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Uxbridge Drinking Water System
2025 Flow Summary Report

Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day) Pro-rated	Raw Water Maximum Daily Flow (m^3/day) Pro-rated	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day) Pro-rated	Treated Water Maximum Daily Flow (m^3/day) Pro-rated	Total Treated Water Flow (m^3)
January	2,418	2,850	75,121	2,411	2,631	74,732
February	2,408	2,866	67,425	2,410	2,836	67,468
March	2,311	2,745	73,485	2,310	2,531	71,622
April	2,432	2,799	73,263	2,433	2,799	72,977
May	2,970	3,574	92,304	2,967	3,376	91,969
June	3,582	4,769	107,408	3,569	4,583	107,098
July	4,063	5,031	125,945	4,060	4,738	125,900
August	3,373	4,518	104,940	3,357	4,176	104,880
September	3,076	3,665	92,004	3,082	3,433	91,974
October	2,733	3,719	84,699	2,727	3,719	84,659
November	2,512	2,840	75,349	2,516	2,700	75,296
December	2,675	3,244	83,112	2,665	2,925	83,067
Annual Total			1,055,055			1,051,642
Maximum		5,031			4,738	
Average	2,879			2,876		
% Capacity		61			39	
Permit to Take Water Limit*		8,251				
Municipal Drinking Water Licence Limit**					12,182	

*Permit to Take Water allows two wells to operate simultaneously however, the daily total taking of water for any combination is limited to a maximum of 8,251 m^3/day.

** This is the combined MDWL limit for Treated Water Maximum Daily Flow (12,182 m^3/day), which was determined from summating the MDWL limits of Wells # 5 and 7 with a rated capacity of 8,251 m^3/day and Well # 6 with a rated capacity of 3,931 m^3/day.

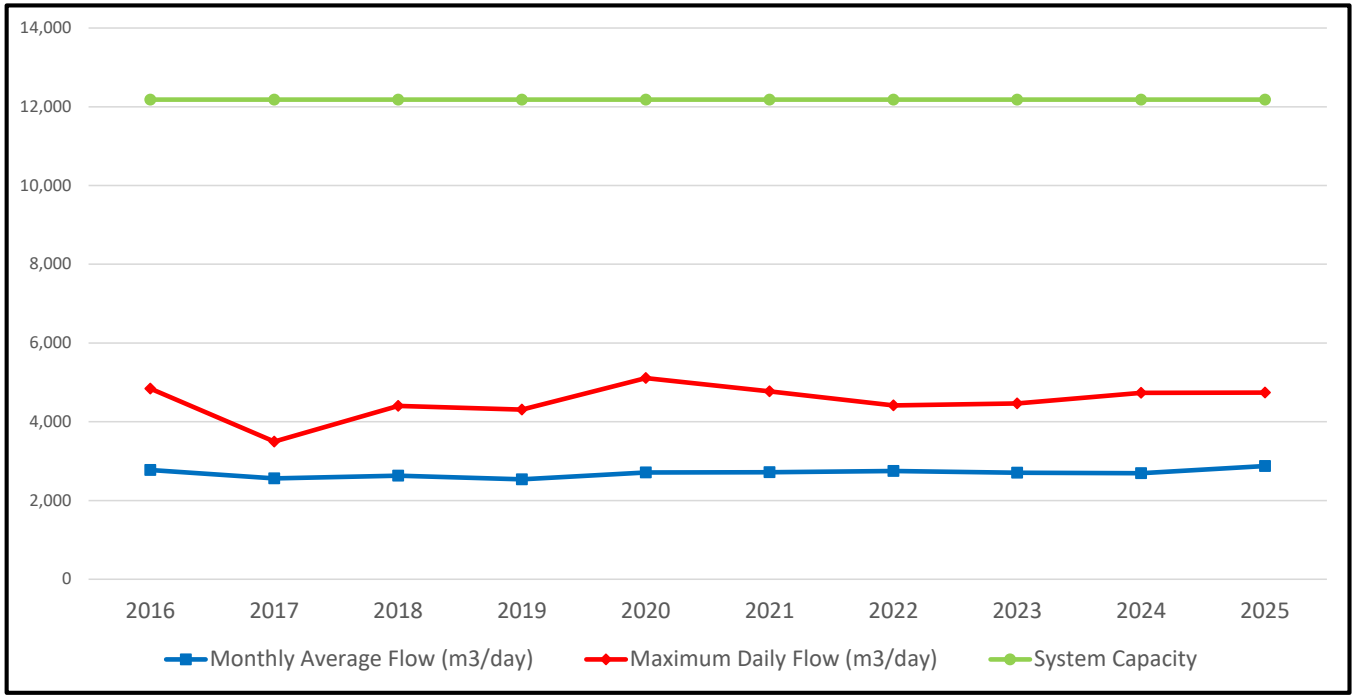
Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Uxbridge Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	2,772	4,839	12,182
2017	2,564	3,497	12,182
2018	2,630	4,401	12,182
2019	2,538	4,310	12,182
2020	2,711	5,109	12,182
2021	2,715	4,771	12,182
2022	2,752	4,418	12,182
2023	2,707	4,468	12,182
2024	2,696	4,733	12,182
2025	2,876	4,738	12,182

Figure 1: Ten year annual system capacity and treated water flow data.



Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-14

The Regional Municipality of Durham
Whitby Drinking Water System
2025 Flow Summary Report

Month	Raw Process Water Monthly Average Flow Cubic metres per day (m^3/day)	Raw Process Water Maximum Daily Flow (m^3/day)	Total Raw Process Water Flow (m^3)	Raw Industrial Water Monthly Average Flow (m^3/day)	Raw Industrial Water Maximum Daily Flow (m^3/day)	Total Raw Industrial Water Flow (m^3)
January	51,237	56, 157	1,588,356	5,354	6,717	165,972
February	54,329	61,361	1,575,544	5,648	6,803	163,801
March	52,272	62,153	1,620,442	5,209	8,522	161,482
April	53,666	61,358	1,609,976	5,510	7,463	165,306
May	56,035	71,184	1,737,077	6,693	7,966	207,475
June	62,276	79,706	1,868,292	6,270	7,070	188,105
July	88,114	99,639	2,731,541	3,857	36,816	119,556
August	60,266	81,546	1,868,255	3,281	9,456	101,708
September	52,774	62,099	1,583,234	20	441	601
October	54,606	59,516	1,692,772	5,177	6,245	160,498
November	51,643	55,606	1,549,300	4,834	6,087	145,006
December	53,275	60,713	1,651,534	4,023	5,577	124,721
Annual Total			21,076,323			1,704,231
Maximum		99,639			36,816	
Average	57,541			4,656		

Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-09

The Regional Municipality of Durham
Whitby Drinking Water System
2025 Flow Summary Report

Month	Raw Water Monthly Average Flow Cubic metres per day (m^3/day)	Raw Water Maximum Daily Flow (m^3/day)	Total Raw Water Flow (m^3)	Treated Water Monthly Average Flow (m^3/day)	Treated Water Maximum Daily Flow (m^3/day)	Total Treated Water Flow (m^3)
January	58,881	62,632	1,763,319	48,337	54,050	1,498,449
February	60,290	67,938	1,748,412	51,190	58,362	1,484,505
March	57,786	68,808	1,791,366	49,260	58,731	1,527,073
April	59,491	69,188	1,784,741	50,204	57,536	1,506,133
May	63,049	77,969	1,954,514	52,545	68,030	1,628,902
June	68,878	86,755	2,066,330	57,603	73,678	1,728,098
July	78,343	93,183	2,428,637	82,200	93,183	2,548,193
August	63,876	86,135	1,980,151	55,141	73,879	1,717,728
September	53,213	62,491	1,596,403	48,871	59,132	1,466,135
October	60,060	64,963	1,861,860	50,763	56,227	1,573,645
November	56,794	61,077	1,703,812	48,348	51,742	1,450,447
December	57,635	65,709	1,786,697	50,038	57,827	1,551,185
Annual Total			22,466,242			19,680,493
Maximum		93,183			93,183	
Average	61,525			53,708		
% Capacity		65			79	
Permit to Take Water Limit		144,000				
Municipal Drinking Water Licence Limit					118,000	

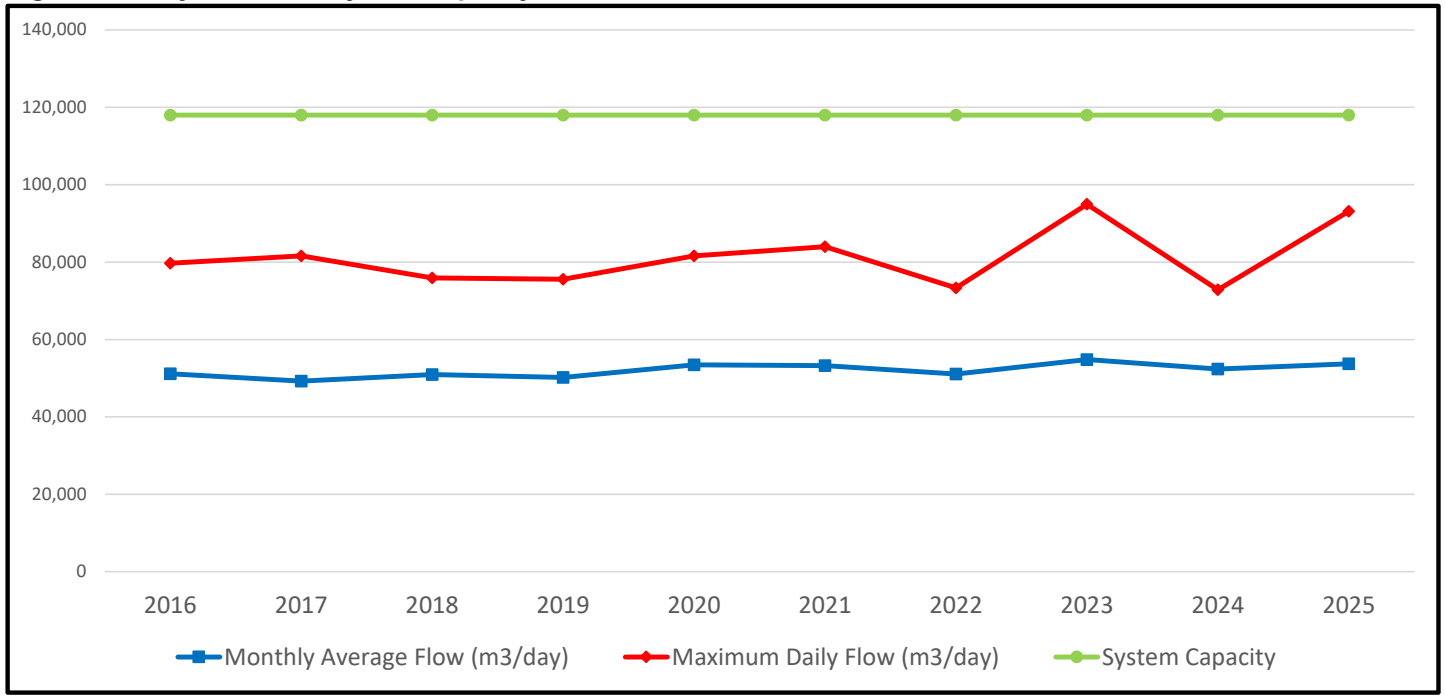
Prepared by: Water Resource Monitoring and Protection Division
Prepared on: 2026-01-09

The Regional Municipality of Durham
Whitby Drinking Water System
2025 Flow Summary Report

Table 1: Ten year annual system capacity and treated water flow data.

Year	Monthly Average Flow (m^3/day)	Maximum Daily Flow (m^3/day)	System Capacity (m^3/day)
2016	51,136	79,744	118,000
2017	49,246	81,622	118,000
2018	50,954	75,943	118,000
2019	50,169	75,591	118,000
2020	53,472	81,583	118,000
2021	53,268	83,975	118,000
2022	51,072	73,316	118,000
2023	54,831	94,951	118,000
2024	52,354	72,851	118,000
2025	53,708	93,183	118,000

Figure 1: Ten year annual system capacity and treated water flow data.



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