

# City of Hamilton

# CITY COUNCIL AGENDA

20-009

Wednesday, April 29, 2020, 9:30 A.M.

Due to the COVID-19 and the Closure of City Hall

All electronic meetings can be viewed at:

City's Website: https://www.hamilton.ca/council-committee/council-committee-meetings/meetingsand-agendas

City's YouTube Channel: https://www.youtube.com/user/InsideCityofHamilton or Cable 14

#### Call to Order

1. APPROVAL OF AGENDA

(Added Items, if applicable, will be noted with \*)

- 2. DECLARATIONS OF INTEREST
- 3. APPROVAL OF MINUTES OF PREVIOUS MEETING
  - 3.1 April 22, 2020
- 4. COMMUNICATIONS
  - 4.1 Correspondence respecting concerns with the Urban Hamilton Official Plan (UHOP) changes with respect to about 354 King St W:
    - 4.1.a Denise Minardi
    - 4.1.b Aleda O'Connor

- 4.1.c Barbara Ledger
- 4.2 Correspondence from Mark & Helen Hagel respecting suggestions to help with the shortages of municipal funds given the current Corona crisis

Recommendation: Be received.

4.3 Correspondence from David Neligan, Aird & Berlis LLP, on behalf of Arbor Developments Inc., respecting GRIDS 2 and the Municipal Comprehensive Review.

Recommendation: Be received and referred to the Director of Planning / Chief Planner for appropriate action.

4.4 Correspondence Montreal City Councillor Marvin Rotrand respecting a request for support from the Canadian Urban Transit Association (CUTA) for federal funding to stabilize public transport until the end of the COVID-19 crisis.

Recommendation: Be received.

4.5 Petition from Change.org demanding transparency and immediate full public disclosure of the process followed for the demolition of well-known and loved Brandon House (462 Wilson Street East, Ancaster)

Recommendation: Be received and referred to the consideration of Item 6.2 and to the General Manager of Planning and Economic Development for appropriate action.

#### 5. COMMITTEE OF THE WHOLE

- 5.1 CONSENT ITEMS
  - 5.1.a Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide)
  - 5.1.b Barton Village Business Improvement Area (BIA) Revised Board of Management (PED20096) (Ward 3)
  - 5.1.c Westdale Village Business Improvement Area (BIA) Revised Board of Management (PED20097) (Ward 1)
- 5.2 PUBLIC HEARINGS / WRITTEN DELEGATIONS
- 5.3 STAFF PRESENTATIONS
- 5.4 DISCUSSION ITEMS
  - 5.4.a New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide)

- 5.4.b Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (PED19015(b)) (City Wide)
- 5.4.c Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20043(a)) (Wards 13 & 15)
- 5.4.d To Incorporate City Lands into Upper Sherman Avenue by By-law (PED20083) (Ward 7)
- 5.4.e Metrolinx Transit Initiative Program (PW20027) (City Wide) WITHDRAWN
- 5.4.f Tax and Rate Operating Budget Variance Report as at December 31, 2019 Budget Control Policy Transfers (FCS19055(b)) (City Wide)
- 5.4.g Red Hill Valley Parkway Inquiry Update (LS19036(a)) (City Wide)

Discussion of Appendices "A" and "B" of this report in Closed Session is pursuant to Section 8.1, Sub-sections (e) and (f) of the City's Procedural Bylaw 18-270, as amended, and Section 239(2), Sub-sections (e) and (f) of the Ontario Municipal Act, as amended, as the subject matter pertains to litigation or potential litigation, including matters before administrative tribunals, affecting the City and the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

#### 6. MOTIONS

- 6.1 Recognizing Ken Curry
- 6.2 Properties of Potential Cultural Heritage Interest in Ancaster
- 6.3 Mayor's Task Force on Economic Recovery
- 7. NOTICES OF MOTIONS
- 8. STATEMENTS BY MEMBERS
- 9. PRIVATE AND CONFIDENTIAL
  - 9.1 Closed Session Minutes April 22, 2020

Pursuant to Section 8.1, Sub-sections (c) and (k) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-sections (c) and (k) of the Ontario Municipal Act, 2001, as amended, as the subject matters pertain to a proposed or pending acquisition or disposition of land for City purposes and a position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of the City

9.2 Commercial Relationship Between City of Hamilton and RossClair Contractors Inc. (LS20011 / FCS20046) (City Wide)

Pursuant to Section 8.1, Sub-sections (e) and (f) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-sections (e) and (f) of the Ontario Municipal Act, as amended, as the subject matter pertains to litigation or potential litigation, including matters before administrative tribunals, affecting the City and the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

9.3 Appendices "A" and "B" to Report LS19036(a) Red Hill Valley Parkway Inquiry Update - Item 5.4 (g) in the Open Agenda

Discussion of Appendices "A" and "B" to Report LS19036(a) in Closed Session is pursuant to Section 8.1, Sub-sections (e) and (f) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-sections (e) and (f) of the Ontario Municipal Act, as amended, as the subject matter pertains to litigation or potential litigation, including matters before administrative tribunals, affecting the City and the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

#### 10. BY-LAWS AND CONFIRMING BY-LAW

10.1 084

Respecting Removal of Part Lot Control, Block 92 (Parts 1-7), Registered Plan No. 62M-1249 "Empire Caterini, Phase 1", municipally known as 316, 318, 320, 322, 324, 326, and 328 Pumpkin Pass

PLC-20-002

Ward: 11

10.2 085

To Establish City of Hamilton Land Described as Part 1 on Plan 62R-21218 as Part of Inverness Avenue East

Ward: 8

10.3 086

To Establish City of Hamilton Land Described as Parts 2 & 3 on Plan 62R-21218 as Part of Upper Wellington Street

Ward: 8

10.4 087

To Establish City of Hamilton Land Described as Part 2 on Plan 62R-20462, Parts 1 and 2 on Pan 62R-20143, and Part 2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-20487 as Part of Upper Sherman Avenue

Ward: 7

10.5 088

To Confirm the Proceedings of City Council

# 11. ADJOURNMENT



# CITY COUNCIL MINUTES 20-008

9:30 a.m.
April 22, 2020
Council Chamber
Hamilton City Hall
71 Main Street West

**Present:** Mayor F. Eisenberger

Councillors M. Wilson, J. Farr, N. Nann, S. Merulla (Deputy Mayor), C. Collins, T. Jackson, E. Pauls, J.P. Danko, B. Clark, M. Pearson, L. Ferguson, A. VanderBeek, J. Partridge, T. Whitehead and B. Johnson.

Mayor Eisenberger called the meeting to order and recognized that Council is meeting on the traditional territories of the Erie, Neutral, HuronWendat, Haudenosaunee and Mississaugas. This land is covered by the Dish with One Spoon Wampum Belt Covenant, which was an agreement between the Haudenosaunee and Anishinaabek to share and care for the resources around the Great Lakes. It was further acknowledged that this land is covered by the Between the Lakes Purchase, 1792, between the Crown and the Mississaugas of the Credit First Nation. The City of Hamilton is home to many Indigenous people from across Turtle Island (North America) and it was recognized that we must do more to learn about the rich history of this land so that we can better understand our roles as residents, neighbours, partners and caretakers.

#### APPROVAL OF THE AGENDA

The Clerk advised of the following changes to the agenda:

#### 4. **COMMUNICATIONS**

- 4.2 Correspondence requesting that Council urge the Premier to change the designation of community gardens under the Emergency Measures legislation from "recreational areas" to "essential supply services":
  - (a) Edgar Rogalski
  - (b) Dr. J. David Moffatt

Recommendation: Be received and referred to the City's Emergency Operation Centre (EOC) for appropriate action.

# 5. COMMITTEE OF THE WHOLE (Item 5)

#### 5.2 PUBLIC HEARINGS / WRITTEN DELEGATIONS

5.2 (a) Written Delegations respecting Report PED20076, Repeal and Replace Public Nuisance By-law 09-110 and Amend Administration Penalty By-law 17-225 (Item 5.4(d)):

5.2.(a) (i)	Kim-Karin Rausch
5.2 (a) (ii)	Marlene & David Girvan
5.2 (a) (iii)	Max DiFelice
5.2 (a) (iv)	Nathan Helder
5.2 (a) (v)	Robert Pratt
5.2 (a) (vi)	Pat & Vic Ancona
5.2 (a) (vii)	Pat & Art Linde
5.2 (a) (viii)	Richard Robertson
5.2 (a) (viv)	Evan Edmundson
5.2 (a) (x)	Mr. & Mrs. Lorne Holley

Recommendation: Be received and referred to the consideration of Item 5.4 (d)

# 7. NOTICES OF MOTION

7.1 Designating Evergreen Farm located at 1389 Progreston Road, Carlisle a Property of Cultural Heritage Value or Interest

#### (Clark/Johnson)

That the agenda for the April 22, 2020 meeting of Council be approved, as amended.

#### Result: Motion CARRIED by a vote of 15 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

NOT PRESENT - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

#### **DECLARATIONS OF INTEREST**

None were declared

#### APPROVAL OF MINUTES OF PREVIOUS MEETING

# 3.1 April 15, 2020 (Item 3.1)

# (Ferguson/VanderBeek)

That the Minutes of the April 15, 2020 meeting of Council be approved, as presented.

# Result: Motion CARRIED by a vote of 15 to 0, as follows:

- YES Ward 1 Councillor Maureen Wilson
- YES Ward 2 Councillor Jason Farr
- YES Ward 3 Councillor Nrinder Nann
- YES Deputy Mayor Ward 4 Councillor Sam Merulla
- YES Ward 5 Councillor Chad Collins
- YES Ward 6 Councillor Tom Jackson
- YES Ward 7 Councillor Esther Pauls
- YES Ward 8 Councillor John-Paul Danko
- YES Mayor Fred Eisenberger
- YES Ward 15 Councillor Judi Partridge
- NOT PRESENT Ward 14 Councillor Terry Whitehead
- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

#### COMMUNICATIONS

#### (Merulla/VanderBeek)

That Council Communications 4.1 to 4.4 be approved, as presented, as follows:

- 4.1 Correspondence requesting that City Council temporarily close James Street North, in Ward 2, for the duration of the pandemic to allow more space for residents who are using sidewalks for walking and roadways for biking:
  - (a) Roberta Trunfio
  - (b) Eugene Ellmen
  - (c) Petition
  - (d) Deborah Field

Recommendation: Be received and referred to the City's Emergency Operation Centre (EOC) for appropriate action.

# Result: Motion CARRIED by a vote of 12 to 4, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

NO - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

NO - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

NO - Ward 11 Councillor Brenda Johnson

NO - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

- 4.2 Correspondence requesting that Council urge the Premier to change the designation of community gardens under the Emergency Measures legislation from "recreational areas" to "essential supply services":
  - (a) Edgar Rogalski
  - (b) Dr. J. David Moffatt

Recommendation: Be received.

#### Result: Motion CARRIED by a vote of 15 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

NOT PRESENT - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

4.3 Correspondence from the Ministry of Municipal Affairs and Housing respecting the 2020-21 Investment Plan Approval for the Community Homelessness Prevention Initiative.

Recommendation: Be received.

# Result: Motion CARRIED by a vote of 15 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

NOT PRESENT - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

4.4 Correspondence from the Honourable Steve Clark, Minister of Municipal Affairs and Housing respecting the issuance of an emergency order under the EMCPA (O. Reg. 157/20) to provide municipalities with the flexibility to deploy certain staff to where they are needed most.

Recommendation: Be received.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

# (Merulla/Farr)

That Council move into Committee of the Whole.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

- YES Ward 1 Councillor Maureen Wilson
- YES Ward 2 Councillor Jason Farr
- YES Ward 3 Councillor Nrinder Nann
- YES Deputy Mayor Ward 4 Councillor Sam Merulla
- YES Ward 5 Councillor Chad Collins
- YES Ward 6 Councillor Tom Jackson
- YES Ward 7 Councillor Esther Pauls
- YES Ward 8 Councillor John-Paul Danko
- YES Mayor Fred Eisenberger
- YES Ward 15 Councillor Judi Partridge
- YES Ward 14 Councillor Terry Whitehead
- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

#### COMMITTEE OF THE WHOLE

#### 5.2 PUBLIC HEARINGS/WRITTEN DELEGATIONS

**5.2 (a)** Written Delegations respecting Report PED20076, Repeal and Replace Public Nuisance By-law 09-110 and Amend Administration Penalty By-law 17-225 (Item 5.4(d)):

5.2.(a) (i)	Kim-Karin Rausch
5.2 (a) (ii)	Marlene & David Girvan
5.2 (a) (iii)	Max DiFelice
5.2 (a) (iv)	Nathan Helder

- 5.2 (a) (v) Robert Pratt
- 5.2 (a) (vi) Pat & Vic Ancona
- 5.2 (a) (vii) Pat & Art Linde
- 5.2 (a) (viii) Richard Robertson
- 5.2 (a) (viv) Evan Edmundson
- 5.2 (a) (x) Mr. & Mrs. Lorne Holley

# (Clark/Johnson)

That the written delegations respecting Report PED20076, Repeal and Replace Public Nuisance By-law 09-110 and Amend Administration Penalty By-law 17-225 (Item 5.4(d)) be received and referred to the consideration of Item 5.4 (d).

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

#### 5.4 DISCUSSION ITEMS

# 5.4 (a) Old Dundas Road (HC005) Wastewater Pumping Station Upgrades (PW20018) (Ward 12)

#### (VanderBeek/Partridge)

- (a) That an additional \$900,000 be added to Project ID No. 5161267270 from Project ID No. 5161267273, to increase the total budget requirement to \$4,520,000 for C13-29-19 Old Dundas (HC005) Wastewater Pumping Station Upgrades;
- (b) That E.S. Fox Limited be selected as the Successful Proponent for the Request for Tenders for Contract C13-29-19, for the Old Dundas (HC005) Wastewater Pumping Station Upgrades; and,
- (c) That the Mayor and City Clerk be authorized and directed to execute the contract with E.S. Fox Limited and any ancillary documents for Contract C13-29-19 for the Old Dundas (HC005) Wastewater Pumping Station Upgrades, with content acceptable to the General Manager of Public Works and in a form acceptable to the City Solicitor.

Result: Motion CARRIED by a vote of 16 to 0, as follows:

- YES Ward 1 Councillor Maureen Wilson
- YES Ward 2 Councillor Jason Farr
- YES Ward 3 Councillor Nrinder Nann
- YES Deputy Mayor Ward 4 Councillor Sam Merulla
- YES Ward 5 Councillor Chad Collins
- YES Ward 6 Councillor Tom Jackson
- YES Ward 7 Councillor Esther Pauls
- YES Ward 8 Councillor John-Paul Danko
- YES Mayor Fred Eisenberger
- YES Ward 15 Councillor Judi Partridge
- YES Ward 14 Councillor Terry Whitehead
- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

# 5.4 (b) Town of Grimsby / City of Hamilton Supply of Water Agreement (FCS20027) (City Wide)

# (Johnson/Pearson)

- (a) That staff be authorized and directed to negotiate and enter into, on behalf of the City of Hamilton (Hamilton), a water supply agreement with the Town of Grimsby (Grimsby), for the continued supply of potable water by Grimsby with the agreement to incorporate the following terms and conditions:
  - (i) term of 10 years, from the date of execution of the agreement;
  - (ii) water consumption billed on a per cubic metre basis at a rate of 1.5 times the water rate otherwise imposed by Grimsby, from time to time, during the term of the agreement;
  - (iii) under normal operating conditions, Hamilton shall not withdraw water at any time that exceeds: (a) a maximum daily volume of 260,274 litres; or (b) a flow rate of 285 litres / minute:
  - (iv) under fire flow operating conditions, Hamilton shall not withdraw water that exceeds: (a) a maximum daily volume of 1,340,274 litres; or (b) a flow rate of 9,181 litres / minute:
  - (v) early termination by either party will require no less than two (2) years' notice;
  - (vi) provisions to be included with respect to interruptions of supply and impacts on water pressure;
  - (vii) and such other terms and conditions deemed appropriate by the

General Manager of Finance and Corporate Services and General Manager of Public Works;

(b) That the Mayor and Hamilton Clerk be authorized and directed to execute, on behalf of Hamilton, all necessary documentation to implement Recommendations (a) in Report FCS20027 with content acceptable to the General Manager of Finance and Corporate Services and General Manager of Public Works, as applicable, and in a form satisfactory to the Solicitor for the City of Hamilton.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# 5.4 (c) 2020 Tax Policies and Area Rating (FCS20039) (City Wide)

#### (Danko/Pearson)

- (a) That the following optional property classes be continued for the 2020 taxation year:
  - (i) Parking Lot and Vacant Land;
  - (ii) Large Industrial;
- (b) That, based on the 2020 final approved Tax Operating Budget, the following final tax ratios be established for the 2020 taxation year:

(i)	Residential	1.0000
(ii)	Multi-Residential	2.4876
(iii)	New Multi-Residential	1.0000
(iv)	Commercial	1.9800
(v)	Parking Lot and Vacant Land	1.9800
(vi)	Industrial	3.3153
(vii)	Large Industrial	3.8876
(viii)	Pipeline	1.7947

(ix)	Farm	0.1767
(x)	Managed Forest	0.2500
(xi)	Landfills	2.9696

(c) That the following tax reductions be established for the 2020 taxation year:

(i)	Farmland awaiting development (1st Subclass)	25%
(ii)	Farmland awaiting development (2nd Subclass)	0%
(iii)	Excess land Subclass (Residual Commercial)	0%
(iv)	Excess land Subclass (Residual Industrial)	0%
(v)	Vacant land Subclass (Residual Industrial)	0%
(vi)	Excess land Subclass (Large Industrial)	0%

(d) That the existing Seniors' (65+) Tax Rebate Program be continued for the 2020 taxation year with the following updated criteria:

The income threshold will be verified against line 15000 (previously 150) – Total Income, on the previous year's Notice of Assessment(s) from Canada Revenue Agency. In the case of pension income splitting, line 15000 of the transferring spouse will be adjusted by the deduction for elected splitpension amount captured on line 210 of the Income Tax and Benefit Return;

(e) That the Deferral of Tax Increases for Seniors and Low-Income Persons with Disabilities Program (Deferral of Tax Increases Program) be continued for the 2020 taxation year with the following updated criteria:

The income threshold will be verified against line 15000 (previously 150) – Total Income, on the previous year's Notice of Assessment(s) from Canada Revenue Agency. In the case of pension income splitting, line 15000 of the transferring spouse will be adjusted by the deduction for elected splitpension amount captured on line 210 of the Income Tax and Benefit Return;

(f) That the Full Tax Deferral Program for Seniors and Low-Income Persons with Disabilities Program (Full Tax Deferral Program) be continued for the 2020 taxation year as the third year of the three-year pilot with the following updated criteria:

The income threshold will be verified against line 15000 (previously 150) – Total Income, on the previous year's Notice of Assessment(s) from Canada Revenue Agency. In the case of pension income splitting, line 15000 of the transferring spouse will be adjusted by the deduction for elected splitpension amount captured on line 210 of the Income Tax and Benefit Return;

- (g) That the existing 40% Tax Rebate for eligible charities and similar organizations be continued for the 2020 taxation year;
- (h) That, for the 2020 taxation year, the tax capping percentage for any assessment related tax increases in the Commercial and Industrial property classes be set at the maximum allowable of 10% of previous year's Current Value Assessment (CVA) level taxes;
- (i) That, for the 2020 taxation year, any capped property in the Commercial and Industrial property classes that is within \$500 of its Current Value Assessment (CVA) taxes in 2020, be moved directly to its full Current Value Assessment (CVA) taxes;
- (j) That capping protection will be limited only to reassessment related changes prior to 2017;
- (k) That the Commercial property class be excluded from capping protection for 2020 and any subsequent years;
- (I) That the four-year capping phase-out option be continued for the Industrial property class with 2020 being year two of four;
- (m) That, for the 2020 taxation year, the minimum percentage of Current Value Assessment (CVA) taxes for properties eligible for the new construction / new to class treatment be set at 100% of Current Value Assessment (CVA) taxes;
- (n) That for the 2020 taxation year, any property in the Industrial property class which paid full Current Value Assessment (CVA) taxes in 2019, no longer be eligible for capping protection in 2020 and future years;
- (o) That, for the 2020 taxation year, all properties eligible for a tax reduction under the existing capping program receive the full decrease, funded from the approved capping program operating budget;
- (p) That, for the 2020 taxation year, the Area Rated Levies be approved as identified in Appendix "A" to Report FCS20039, "2020 Tax Policies and Area Rating", attached hereto;
- (q) That the City Solicitor be authorized and directed to prepare all necessary by-laws, for Council approval, for the purposes of establishing the tax policies and tax rates for the 2020 taxation year.

# Result: Motion CARRIED by a vote of 15 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

NOT PRESENT - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# 5.4 (d) Repeal and Replace Public Nuisance By-law 09-110 and Amend Administrative Penalty By-law 17-225 (PED20076) (City Wide)

# (Clark/Johnson)

That Council waive the notice provision within By-law 07-351, a By-Law to Adopt and Maintain a Policy with Respect to the Provision of Public Notice in order for an amendment to be made to By-law 17-225, a By-law to Establish a System of Administrative Penalties effective immediately.

# Result: Motion CARRIED by a 2/3's majority vote of 14 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

NOT PRESENT - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

NOT PRESENT - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# (Clark/Johnson)

(a) That the draft by-law, attached as Appendix "A" to Report PED20076, which repeals and replaces By-law 09-110, being a By-law to Prohibit and Regulate Certain Public Nuisances within the City of Hamilton, and amends the Administrative Penalties By-law 17-225 which has been prepared in a form satisfactory to the City Solicitor, be approved and enacted by Council;

(b) That the Mayor be directed, on behalf of the City of Hamilton, to write to the relevant federal and provincial governments to regulate and enforce odour and lighting nuisances related to the cultivation of cannabis plants.

# (Ferguson/Clark)

WHEREAS the Council of the City of Hamilton deems it appropriate to enact By-law No. 09-110 to prohibit and regulate certain public nuisances within the City of Hamilton pursuant to sections 128 and 129 of the *Municipal Act, 2001*, S.O. 2001, c. 25, ("*Municipal Act, 2001*") as amended;

WHEREAS section 444 of the *Municipal Act, 2001* authorizes municipalities to make orders requiring the person who contravened the by-law or who caused or permitted the contravention or the owner or occupier of the land on which the contravention occurred to discontinue the contravening activity; and,

WHEREAS, there are possible issues of jurisdiction around enforcement of public nuisances from cannabis cultivation, including odor and lighting.

#### THEREFORE BE IT RESOLVED

That the recommendations within Report PED20076, Repeal and Replace Public Nuisance By-law 09-110 and Amend Administrative Penalty By-law 17-225, be amended by adding Sub-Sections (c) and (d), as follows:

- (c) That the Mayor contact the Premier of Ontario, Minister of the Attorney General, and local Members of Parliament to request that the Province extend authority to Municipalities to enforce odor and lighting nuisance complaints stemming from licensed and unlicensed cannabis cultivations within the its jurisdiction.
- (d) That the request be sent to other municipalities in Ontario, including the Association of Municipalities of Ontario for their endorsement.

# Result: *Amendment* CARRIED by a vote of 13 to 3, as follows:

NO - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

NO - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

NO - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

#### The Main Motion as **Amended** to read as follows:

- (a) That the draft by-law, attached as Appendix "A" to Report PED20076, which repeals and replaces By-law 09-110, being a By-law to Prohibit and Regulate Certain Public Nuisances within the City of Hamilton, and amends the Administrative Penalties By-law 17-225 which has been prepared in a form satisfactory to the City Solicitor, be approved and enacted by Council;
- (b) That the Mayor be directed, on behalf of the City of Hamilton, to write to the relevant federal and provincial governments to regulate and enforce odour and lighting nuisances related to the cultivation of cannabis plants.
- (c) That the Mayor contact the Premier of Ontario, Minister of the Attorney General, and local Members of Parliament to request that the Province extend authority to Municipalities to enforce odor and lighting nuisance complaints stemming from licensed and unlicensed cannabis cultivations within the its jurisdiction.
- (d) That the request be sent to other municipalities in Ontario, including the Association of Municipalities of Ontario for their endorsement.

#### Result: Main Motion as Amended CARRIED by a vote of 16 to 0, as follows:

- YES Ward 1 Councillor Maureen Wilson
- YES Ward 2 Councillor Jason Farr
- YES Ward 3 Councillor Nrinder Nann
- YES Deputy Mayor Ward 4 Councillor Sam Merulla
- YES Ward 5 Councillor Chad Collins
- YES Ward 6 Councillor Tom Jackson
- YES Ward 7 Councillor Esther Pauls
- YES Ward 8 Councillor John-Paul Danko
- YES Mayor Fred Eisenberger
- YES Ward 15 Councillor Judi Partridge
- YES Ward 14 Councillor Terry Whitehead
- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

# 5.4 (e) Main West Esplanade Business Improvement Area Proposed 2020 Budget and Schedule of Payment (PED20092) (Ward 1)

# (Wilson/Clark)

- (a) That the 2020 Operating Budget for the Main West Esplanade Business Improvement Area, attached as Appendix "A" to Report PED20092, in the amount of \$15,700, be approved;
- (b) That the levy portion of the Operating Budget for the Main West Esplanade Business Improvement Area in the amount of \$9,872.00, be approved;
- (c) That the General Manager of Finance and Corporate Services be authorized and directed to prepare the requisite By-law, pursuant to Section 208, *Ontario Municipal Act, 2001*, as amended, to levy the 2020 Operating Budget for the Main West Esplanade Business Improvement Area:
- (d) That the following schedule of payments for the 2020 Operating Budget for the Main West Esplanade Business Improvement Area be approved:

April \$4,936 June \$4,936

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

#### (Merulla/Farr)

That the Committee of the Whole Rise and Report.

**CARRIED** 

# 6.1 Financial Support to Renovate the Spiritual Room and Office for Hamilton Regional Indian Centre at 95 Hess Street South, Hamilton

# (Farr/Collins)

WHEREAS, since December 2019 the Hamilton Regional Indian Centre has partnered with CityHousing Hamilton to provide housing with supports for 10 - 15 Indigenous youth aged 6-24;

WHEREAS, the Hamilton Regional Indian Centre requires spiritual and office space to provide culturally appropriate supports to indigenous youth at 95 Hess Street South, Hamilton and to involve other tenants as relevant opportunities arise;

WHEREAS, CityHousing Hamilton can accommodate the need for space for the spiritual and office in the naturally well-lit basement area of 95 Hess Street South, Hamilton;

WHEREAS, the scope of work required to create a spiritual and office space includes interior lighting, painting, flooring, bathroom, kitchen, interior doors and a room addition for the spiritual room;

WHEREAS, the scope of work requires \$35,000 to complete the renovations; and

WHEREAS, Hamilton Regional Indian Council does not have the capital budget to cover the \$35,000 required to renovate the space;

### THEREFORE, BE IT RESOLVED

- (a) That the \$35,000 cost of renovation for the Hamilton Regional Indian Centre to create culturally appropriate spiritual and office space, be funded from the Ward 2 Area Rating Reserve No. 108052; and,
- (b) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# 6.2 Designating Evergreen Farm located at 1389 Progresson Road, Carlisle a Property of Cultural Heritage Value or Interest

# (Partridge/Jackson)

WHEREAS the City's Inventory and Research Working Group, at their meeting of September 23, 2019 recommended that 1389 Progreston Road, Carlisle, Pt Lot 4, Pt Lot 5 Concession 8 E, known historically as Evergreen Farm, be added to the City of Hamilton Municipal Register of Properties of Cultural Heritage Value or Interest;

WHEREAS the minutes of the City's Inventory and Research Working Group were approved by the City's Municipal Heritage Committee at their meeting of November 21, 2019 and at the December 3, 2019 Planning Committee meeting;

WHEREAS 1389 Progreston Road was added to the City's Municipal Register of Properties of Cultural Heritage Value or Interest;

WHEREAS 1389 Progreston Road, Carlisle is under imminent threat of demolition;

WHEREAS the historical 1389 Progreston Road "Evergreen Farm" is one the last known historical framed homestead farms of its kind left in Ward 15 Flamborough, and

WHEREAS the City has designated other properties that have been under imminent threat of demolition such as 18-28 King Street East, Hamilton.

#### THEREFORE BE IT RESOLVED

That staff be directed to take appropriate action to designate 1389 Progreston Road under Part IV of the Ontario Heritage Act, including preparation and giving the required public notice of the Notice of Intention to Designate and a Statement of Cultural Heritage Value or Interest and Description of Heritage Attributes.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

- YES Ward 14 Councillor Terry Whitehead
- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

#### **NOTICES OF MOTION**

# 7.1 Designating Evergreen Farm located at 1389 Progresson Road, Carlisle a Property of Cultural Heritage Value or Interest

# (Partridge/Farr)

That the Rules of Order be waived to allow for the introduction of a Motion Designating Evergreen Farm located at 1389 Progreston Road, Carlisle a Property of Cultural Heritage Value or Interest.

# Result: Motion CARRIED by a 2/3's majority vote of 16 to 0, as follows:

- YES Ward 1 Councillor Maureen Wilson
- YES Ward 2 Councillor Jason Farr
- YES Ward 3 Councillor Nrinder Nann
- YES Deputy Mayor Ward 4 Councillor Sam Merulla
- YES Ward 5 Councillor Chad Collins
- YES Ward 6 Councillor Tom Jackson
- YES Ward 7 Councillor Esther Pauls
- YES Ward 8 Councillor John-Paul Danko
- YES Mayor Fred Eisenberger
- YES Ward 15 Councillor Judi Partridge
- YES Ward 14 Councillor Terry Whitehead
- YES Ward 13 Councillor Arlene VanderBeek
- YES Ward 12 Councillor Lloyd Ferguson
- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

For further disposition, please refer to Item 6.2

#### STATEMENTS BY MEMBERS

Members of Council used this opportunity to discuss matters of general interest.

#### **PRIVATE & CONFIDENTIAL**

Council determined that discussion of Item 9.1 was not required in Closed Session; therefore, the matter was addressed in Open Session, as follows:

# 9.1 Closed Session Minutes – April 15, 2020

# (Pauls/Whitehead)

That the Closed Session Minutes dated April 15, 2020 be approved, as presented, and remain confidential.

# Result: Motion CARRIED by a vote of 15 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

NOT PRESENT - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

#### (Ferguson/Wilson)

That Council move into Closed Session respecting Items 9.2, 9.3 and 9.4, Pursuant to Section 8.1, Sub-sections (c) and (k) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-sections (c) and (k) of the Ontario Municipal Act, 2001, as amended, as the subject matter pertains to a proposed or pending acquisition or disposition of land for City purposes and a position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of the City

# Result: Motion CARRIED by a vote of 15 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

NOT PRESENT - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

- YES Ward 11 Councillor Brenda Johnson
- YES Ward 10 Councillor Maria Pearson
- YES Ward 9 Councillor Brad Clark

# 9.2 Lease Extension and Amending Agreement – Sherwood Library Branch, 467 Upper Ottawa Street, Hamilton (PED20066)

# (Pearson/Partridge)

- (a) That a Lease Extension and Amending Agreement between the City of Hamilton (Tenant) and VLK Inc. (Landlord) for the continued occupancy by Hamilton Public Library for the Sherwood branch in the whole of the building municipally located at 467 Upper Ottawa Street, Hamilton as depicted in Appendix "A" attached to Report PED20066, based substantially on the terms and conditions outlined in Appendix "B" attached to Report PED20066, and on such other terms and conditions deemed appropriate by the General Manager of Planning and Economic Development Department, be approved;
- (b) That the General Manager, Planning and Economic Development Department or designate, acting on behalf of the City as Tenant, be authorized to provide any consents, approvals, and notices related to the Lease Extension and Amending Agreement at 467 Upper Ottawa Street, Hamilton;
- (c) That the City Solicitor be authorized to amend and waive such terms and conditions to the Lease Extension and Amending Agreement as she considers reasonable;
- (d) That the Base Rent outlined in Appendix "B" attached to Report PED20066, continue to be funded from Account Number 55358-750230 (Sherwood Library);
- (e) That the Real Estate and Legal fees of \$37,180 be funded from Account No. 55778-750230 (Sherwood Library) and credited to Account No. 45408-812036 (Real Estate Admin Recovery);
- (f) That the Mayor and Clerk be authorized and directed to execute the Lease Extension and Amending Agreement at 467 Upper Ottawa Street, Hamilton, or such other form and all other necessary associated documents, and all such documents to be in a form satisfactory to the City Solicitor;
- (g) That Report PED20066 remains confidential and not be released as a public document.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# 9.3 Disposition of City-owned Industrial Land (PED20086) (Ward 11)

# (Johnson/Whitehead)

- (a) That the directions provided to staff in Closed Session, respecting Report PED20086, Disposition of City-owned Industrial Land, be approved; and
- (b) That Report PED20086 remains confidential and not be released as a public document until final completion of the real estate transaction.

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# 9.4 Assignment of Agreement of Purchase and Sale for the Acquisition of Employment Lands Development (PED20095) (Ward 2)

#### (Farr/Pearson)

(a) That an Assignment of the Agreement of Purchase and Sale (APS) Agreement dated January 24, 2019, between the City of Hamilton (as Assignee-Buyer), 2668264 Ontario Inc. (Buyer) and Legacy Lands Hamilton Inc. by Ernst & Young Inc. as Court Appointed Land Restructuring Officer (Seller) Landlord) be completed and entered into for the acquisition of the lands municipally

located at 242 Queen Street North as depicted in Appendix "A" attached to Report PED20095, based substantially on the terms and conditions outlined in Appendix "B" attached to Report PED20095, and on such other terms and conditions deemed appropriate by the General Manager of the Planning and Economic Development Department, be approved;

- (b) That the General Manager, Planning and Economic Development Department or designate, acting on behalf of the City, be authorized to provide any consents, approvals, and notices related to an Assignment of the Agreement of Purchase and Sale Agreement for the acquisition of 242 Queen Street North, Hamilton;
- (c) That the General Manager of the Planning and Economic Development Department or designate, be authorized on behalf of the City of Hamilton, to execute any supplementary agreements, documents, consents, approvals and notices related to the Assignment of the Agreement of Purchase and Sale (APS) Agreement and not to be inconsistent with Appendix "B" attached to this Report PED20095, as may be between 2668264 Ontario Inc. (Assignor) and/or Hamilton Studios Ltd. (as party to the Memorandum of Understanding (MOU)) dated May 1, 2019) for the acquisition of 242 Queen Street North, Hamilton, all in a form satisfactory to the City Solicitor;
- (d) That the City Solicitor be authorized and directed to complete the Assignment of the Agreement of Purchase and Sale (APS) and the resultant transaction respecting the acquisition of 242 Queen Street North, Hamilton, on behalf of the City including paying any necessary transaction closing expenses, and amending and waiving such terms and conditions as she considers reasonable;
- (e) That the acquisition price outlined in Appendix "B" attached to Report PED20095, further deposits (as may be required) and applicable transaction closing costs, be funded from Project ID No. 3621750302;
- (f) That the Real Estate and Legal fees of \$105,250 be funded from Project ID No. 3621750302 and credited to Dept. ID No. 812036 (Real Estate – Admin Recovery);
- (g) That the Mayor and Clerk be authorized and directed to execute all associated and necessary documents respecting the Assignment of the Agreement of Purchase and Sale (APS) and respecting the property acquisition of 242 Queen Street North, Hamilton, and all such documents to be in a form satisfactory to the City Solicitor;
- (h) That this Report PED20095 remains confidential and not be released as a public document.

Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

#### **BY-LAWS**

# (Merulla/Farr)

That Bills No. 20-075 to 20-078, be passed and that the Corporate Seal be affixed thereto, and that the By-laws, be numbered, be signed by the Mayor and the City Clerk to read as follows:

075 Respecting Removal of Part Lot Control, Blocks 95 and 96, Registered Plan No. 62M-1249 "Empire Caterini – Phase 1", municipally known as 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, and 427 Pumpkin Pass PLC-19-037

Ward: 11

O76 To Permanently close and Sell the northerly portion of Moxley Road between Concession 4 West and Highway 5, Hamilton, Ontario, namely Part of Moxley Road (a forced road) being Part of Lot 9, Concession 3 in the Geographic Township of West Flamborough, and Part of Lot 8, Concession 3 in the Geographic Township of West Flamborough, subject to Instrument Number CD383892, in the City of Hamilton, designated as Parts 1, 2 and 3 on Plan 62R-21438, being part of PIN 17549-0077 (LT)

Ward: 13

- To Repeal and Replace By-law No. 09-110, being a By-law to Prohibit and Regulate Certain Public Nuisances within the City of Hamilton; and to Amend By-law No. 17-225, a By-law to Establish a System of Administrative Penalties Ward: City Wide
- 078 To Confirm the Proceedings of City Council

# Result: Motion CARRIED by a vote of 16 to 0, as follows:

YES - Ward 1 Councillor Maureen Wilson

YES - Ward 2 Councillor Jason Farr

YES - Ward 3 Councillor Nrinder Nann

YES - Deputy Mayor Ward 4 Councillor Sam Merulla

YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson

YES - Ward 7 Councillor Esther Pauls

YES - Ward 8 Councillor John-Paul Danko

YES - Mayor Fred Eisenberger

YES - Ward 15 Councillor Judi Partridge

YES - Ward 14 Councillor Terry Whitehead

YES - Ward 13 Councillor Arlene VanderBeek

YES - Ward 12 Councillor Lloyd Ferguson

YES - Ward 11 Councillor Brenda Johnson

YES - Ward 10 Councillor Maria Pearson

YES - Ward 9 Councillor Brad Clark

# (Pearson/Nann)

That, there being no further business, City Council be adjourned at 2:09 p.m. on April 22, 2020.

**CARRIED** 

Respectfully submitted,

Mayor F. Eisenberger

Andrea Holland City Clerk

# Pilon, Janet

**Subject:** UHOP changes - concerns about 354 King St W

From: Denise Minardi

Sent: Friday, April 17, 2020 4:03 PM

To: <a href="mailton.ca">clerk@hamilton.ca</a>

Subject: UHOP changes - concerns about 354 King St W

Mayor Eisenberger and Members of Council,

The City of Hamilton's vision statement is, to be the best place to raise a child and age successfully. It is with this vision in mind that I am writing this email. I have concerns about amendments that are being considered for the City of Hamilton Urban Hamilton Official Plan (UHOP).

The Hamilton Official Plan emphasizes the need for communities that are complete, where opportunities to live, work, learn, shop, and play are provided and are accessible; where healthy and safe lifestyles are supported by quality built and natural environments; where diverse Neighbourhoods are unique in character and enable a variety of lifestyle choices and housing opportunities for all and vibrant, where interesting and creative streetscapes and human scale public places are created through quality design, pedestrian amenities, and attention to land use mix. I have read the UHOP, as well as supporting documents such as the transit-oriented corridor zones document and supporting by-laws and support much of what they embody.

I agree that residential intensification is necessary with the caveat that it needs to respect the regulations established by the UHOP. High density dwelling intensification is most appropriate in the city core, with the revitalization of Jackson Square, and the surrounding area. It must include housing ownership and rental opportunities for all Hamiltonians including students, families and professionals with different income levels. I moved to the Strathcona neighbourhood 5 years ago because of its proximity to the downtown core, transit availability and its community feel. I looked at other developments, such as the Royal Connaught and the Acclamation condominiums, but decided that I would rather be in a community with an existing neighbourhood. In the condominium in which I live, 75 Queen St N, 75% of the units are 3 bedrooms and 25% of the units are 2 bedrooms. Every floor has 8 units so that residents get to know each other which has become especially important given the circumstances surrounding COVID-19. In 4 of the 8 units on my floor, there are families, either with school age children like myself, or elderly parents who now live with their children. I like the proximity to schools and parks, and while I am concerned about the busy streets at King and Queen, and constant truck traffic along Queen St N, I felt that this neighbourhood is a good fit for myself and my family.

I was surprised to find out, when I attended a community meeting on February 21, that there are amendments to the City of Hamilton Official Plan that have been brought forward to council in regard to the building at Queen Street N and 354 King St West.

I noted several parts of the UHOP including Chapter B – Communities 3.3 that the intent of this Plan is to create compact and interconnected, pedestrian- oriented, and transit-supportive communities within which all people can attain a high quality of life. Achieving this vision requires careful attention to urban design in both the public and private realms with attention to how those realms work together. The public realm is associated with planning and design issues in areas such as roads, sidewalks, plazas, parks, and open space, owned by the City and other public agencies. The private realm includes areas within private property boundaries, which may or may not be open to the public but are physically and visibly connected to the public realm. The policies of this section direct design in both the public and private realms. I made a connection here to the Good Shepherd Centre that I regularly walk through when doing my shopping in the neighbourhood throughout the week. This is a property that is built to scale and compliments the neighbourhood, providing housing and green space for many Strathcona residents. It is pedestrian friendly, houses families and vulnerable residents and is set back from King Street West so that one does not feel the press of the traffic, and is well integrated into the community.

Walking through the neighbourhood, I noted that most of the multi-dwelling housing is 6 stories so I looked up the scale for the Strathcona neighbourhood. The UHOP states that scale in 3.5.7 For medium density residential uses, the *net residential density* shall be greater than 60 units per hectare and not greater than 100 units per hectare.

3.5.8 For medium density residential uses, the maximum height shall be six storeys.

The UHOP further states in 4.6.8 Additional height up to a total of eight storeys may be permitted without an amendment to this Plan, provided the applicant demonstrates:

- a) there are no adverse shadow impacts created on existing residential uses within adjacent lands designated Neighbourhoods;
- b) buildings are progressively stepped back from adjacent areas designated Neighbourhoods. The Zoning by-law may include an angular plane requirement to set out an appropriate transition and stepping back of heights; and,
- c) buildings are stepped back from the street to minimize the height appearance from the street, where necessary. I feel that the construction of buildings that are 6 stories along King St W, York St and Main St W could support the goal of intensification while maintaining the integrity of the existing neighbourhoods.

The amendments that have been requested by the developer go well beyond what is permitted by the UHOP and will adversely impact the Strathcona neighbourhood in a multitude of ways. My concerns are that a mainly residential neighbourhood will be transformed with a largely transitional population moving into a high-density building with little space for new families. Adding even more traffic congestion to very busy streets puts at risk the safety of the many children and older adults who live in the Strathcona community. The increased traffic flow in an already busy part of the neighbourhood is a hazard. Even before construction began at the corner of Queen St N and King St W, there were times when the traffic is backed up from the lights at King St W to Peter St and I must wait to turn right onto Queen St N. There are 550 elementary students, 230 middle school students and hundreds of Westdale and McMaster students who are walking, riding bikes and accessing transit in Strathcona to get to school daily. The addition of hundreds of tenants and their vehicles, in need of parking, and coming and going during peak traffic times, is of great concern and at odds with the Vision Zero Plan.

My other concern is that this will make other communities vulnerable to planning changes as more developers apply for amendments to the UHOP, which can be approved without the community knowing or understanding what the changes really means to their neighbourhood. While intensification should happen, the loss of our communities and neighbourhoods must not be the result of this. The vision of the UHOP should not be diminished, becoming a hollow document that no longer guides the growth of the City of Hamilton. As an elected official, you have a duty to listen to the community and weigh the odds of increased revenue for the City of Hamilton with the well-being of its residents and neighbourhoods. Please carefully consider what will make Hamilton the best place to raise a child and age successfully.

Sincerely, Denise Minardi, Strathcona resident

# Pilon, Janet

**Subject:** Vrancor Development 354 King West

From: Aleda

**Subject: Vrancor Development 354 King West** 

Date: April 20, 2020 at 2:27:38 PM EDT

To: mayor@hamilton.ca, maureen.wilson@hamilton.ca, stephanie.hilson@hamilton.ca, Marylouise.pigott@hamilton.ca, jason.farr@hamilton.ca, maureen.scally@hamilton.ca, ryan.leverton@hamilton.ca, nrinder.nann@hamilton.ca, Daniela.Giulietti@hamilton.ca, amy.majani@hamilton.ca, sam.merulla@hamilton.ca, diane.piedimonte@hamilton.ca, chad.collins@hamilton.ca, lucy.finelli@hamilton.ca, tom.jackson@hamilton.ca, samantha.kreidl@hamilton.ca, nancy.burden@hamilton.ca, esther.pauls@hamilton.ca, zora.milovanov@hamilton.ca, Dear Andrea <andrea.dear@hamilton.ca>

#### Hello everyone.

I am writing to register my dismay over the confusion about the community outreach regarding the Vrancor variances for the property at King and Queen Streets on the Strathcona/Downtown border. I would add at the outset, that I believe the original 6-10 storey plans are more or less acceptable, although I believe they require scrutiny. I support the idea of building along the transit oriented corridor and would like to see housing and some commercial space included. But this does not mean it should be permitted to stray from the parameters set by the city and neighbourhoods to guide development here.

I am very alarmed by this developer's conduct and general lack of commitment to the intent of the Official Plans and Zoning by-laws. I feel the PDF posted by the GSP group is a deliberate attempt to mislead the neighbourhood into believing the buildings will have very little discernible impact.

I am unhappy about the failure by GSP to thoroughly study the effects of wind, shadows, traffic parking, visual impact and relationship to a healthy existing historic neighbourhood. All of Strathcona, I believe, will be diminished by this huge and insensitive structure and by the extraordinary number of temporary residents who will be living here, and also moving in and out, on relatively short leases.

I question the veracity of the developer's claims about how this building will actually be used.

I wonder what will be built at 200 Market Street, just across the road, and how the residents of the two projects will relate and interact both with each other and the rest of the neighbourhood.

To me, the design of the buildings are unappealing aesthetically, particularly if they are taller that the original 6-10 storeys, and upon reviewing the architectural set, think there are some very unsafe and unhealthy elements built into the plans. Concerning safety, I would point out that this building would potentially be housing just under 1000 students just a couple of blocks from Hess Village.

Finally I am troubled by what seems to be an unreasonable rush to push this project forward during these uncertain times.

I hope that you can assure me that the developer's Rationale for Development will be carefully scrutinized and that the requested variances will be denied based on those investigations.

Many thanks for your attention, and for all of the work you do for the city and people who live here.

Aleda O'Connor

# Pilon, Janet

**Subject:** Vrancor Development at 354 King Street West

From: Barbara Ledger

Sent: Thursday, April 23, 2020 12:36 PM

**To:** Office of the Mayor **Cc:** <u>clerk@hamilton.ca</u>

Subject: Vrancor Development at 354 King Street West

Mayor Fred Eisenberger Hamilton City Hall 71 Main St. West, Hamilton

Dear Mr. Mayor,

I am writing to convey to you my deep concerns about the Vrancor development at 354 King St. West. This is a matter which affects the whole city, and the Strathcona neighbourhood is facing issues today that may well confront any other neighbourhood tomorrow, if aggressive and inappropriate development practices are not stopped.

I live in the neighbourhood, and am therefore at risk of being dismissed as a 'Nimby'. But I would argue that it is the neighbours who, having the most to lose by bad development, are the most engaged and the best informed. Furthermore, I am not saying 'not in my backyard', I'm saying 'not this in my backyard'.

As you may know, Vrancor has approval for a ten-storey hotel and a six-storey student residence on the site on the northwest corner of King and Queen, which wouldn't be too bad, but that isn't what they're building there. They have applied for changes to the Urban Hamilton Official Plan, the Transit-Oriented Corridor Plan, the Strathcona Secondary Plan, and zoning by-laws, to be permitted to add two storeys to the hotel and 19, for a whopping total of 25 storeys, to the student residence.

These changes would add approximately 1,300 transient residents to a parcel of land considerably smaller than a city block. That degree of density, in an area currently, and appropriately, zoned for 'medium density' is, frankly, appalling.

The developer tries to justify the intensification, and the height, and even the less-than-required amount of parking he's providing, by arguing that the site is next to the downtown. Queen Street Is the boundary, so the site is adjacent to, but not in, the downtown. In fact, it is adjacent to the western outskirts of the downtown, where the majority of the homes and businesses are one-to-two storeys. The kind of 'zoning creep' that Vrancor is asking for, and betting on, is a slippery slope. It would set a dangerous precedent, and put at risk principles established by city planners and fought for by neighbourhood groups across the city.

I understand the need for urban intensification; I attended Joe Minicozzi's 'Do the Math' urban planning session organized by Councillors Wilson, Nann and Danko. But it must not be a case of intensification at any cost. The degree of intensification Vrancor is proposing might be appropriate closer to King and James, if it were a more appropriate design overall, but this particular development will cause no end of problems, both for the immediate neighbourhood — increased shadow, wind, noise, traffic, parking and privacy problems — and for the wider city — traffic problems on King and Queen streets, congestion causing delays for emergency vehicles (the Ray St. Fire station is just around the corner), mental and physical health issues caused by overcrowded conditions, and the blight on the cityscape of two unattractive monoliths on one of our major arteries. Not to mention one-thousand-plus students, two blocks from Hess Village.

Vrancor has shown itself to not be a good neighbour. Time and again they have withheld information, provided misleading information, and changed their plans, here and elsewhere, without letting anyone know. The reports and studies they have provided in support of their application leave out or shrug off what is unfavourable and foist onto the city responsibilities, such as a lay-by in front of their hotel, that Vrancor doesn't wish to take on. They do the least they can get away with, and ask for the most they can get, while treating the city and its citizens with disdain. It's galling to think, for instance, how much city staff time was wasted working on plans for the original development, that Vrancor never had any intention of building.

I hope that when Vrancor comes to City Council seeking approvals for the zoning changes they need, Council will show them that the concerns of citizens matter more than the avarice of developers, and vote to deny their application.

Thank you for your attention, and I hope, for your support.

Yours sincerely,

Barbara Ledger

# Pilon, Janet

**Subject:** Delegation to all Members of Council

From: mark hagel

**Sent:** Monday, April 20, 2020 10:57 AM

To: clerk@hamilton.ca

Subject: Delegation to all Members of Council

Mayor Eisenberger and Members of Council:

Dear Mayor: please find below an e-mail I sent to our Ward 7 representative last summer. I know the City is in a cash crunch, now as always, but particularly with the challenges and hardships we are all facing these days. I can't begin to fathom the shortages of municipal funds given the current Corona crisis and I'm wondering if my suggestions below could help in any manner. I did hear back from Esther, she stated that there may have been a few good ideas positioned but also didn't really know if there was any direct interest that could be gauged from council. I'm writing you just to ask if my ideas are even possible. That is, would the Linc / Red Hill be a regional or Provincial responsibility to implement a method of a user/pay basis?

Please let me know if this idea is even worth a council debate. If not that's ok too, just some random thoughts. I'm more than curious with regard to heavy transport through this corridor and cash crunches within our city.

With thanks, Mark Hagel ......

> -----Original Message-----

> From: mark hagel

> Sent: June 16, 2019 4:26 PM

> To: Pauls, Esther < <a href="mailto:Esther.Pauls@hamilton.ca">Esther.Pauls@hamilton.ca</a>>

> Subject: Linc / Redhill truck traffic

>

> Hi Esther, Mark & Helen Hagel writing. Our concern is with the large truck traffic passing through our city in either direction on the Linc/Redhill Expressway.

>

> It has been so nice the last three weeks with the northbound resurfacing to not have many of the monster trucks passing through our neighbourhood. And that's exactly what it is, the Mountain area, wholly residential from near Old Mohawk Road to Dartnall then swinging down through the valley, residential again on either side until past the Barton Street area.

>

> The heavy metal fallout along with confirmed carcinogens from diesel engine exhaust must accumulate to many metric tonnes over the course of a day, week, month, etc. <a href="Pollutionwatch.org">Pollutionwatch.org</a> is a website that previously was able to give measurements of heavy metal fallout per area based on a postal code. I couldn't find that specific information for Ward7 in my last search but the information was shocking previously and is available somewhere I'm sure.

>

> Where I'm leading is a restriction and/or a redirection of large transport trucks away from this expressway. Many, many of these trucks are taking this route from Michigan to New York and all Hamilton

gets from it is the dirt, grime, etc. left behind. I feel the City should direct 'flow through' trucking down the 403 hill and over the Skyway bridge as in previous years. Yes other areas would certainly have to put up with pollution but it is substantially less residential with that route.

>

- > If that proves unpopular or not feasible there should at least be tolls imposed on non-regional traffic. This would help with road maintenance at least, for those operators who would choose to pay for the privilege of clouding up our area.
- > Might I suggest to you that you canvass your colleagues on council and find out if there would be a flavour for any part of these ideas. I think it's high time that serious action be taken against non-discriminate polluters of our home area.

>

> I'm looking forward to the next three weeks while the southbound lanes are redone and possibly during that time you could find a good vantage point and come to your own conclusions.

>

> Thanks Esther and I look forward to hearing back from you and hopefully there will be others that share our concern.

>

> Have an enjoyable summer, when it arrives, and maintain your good profile on Hamilton City council.



David Neligan Direct: 416.865.7751 E-mail:dneligan@airdberlis.com

February 28, 2020

BY EMAIL

Mayor Fred Eisenberger and Members of the General Issues Committee City of Hamilton 71 Main Street West Hamilton, ON L8P 4Y5

Dear Mayor Eisenberger and Member of Committee:

Re: GRIDS 2/Municipal Comprehensive Review

Twenty Road East Lands and Urban Boundary Expansion

We represent Arbor Developments Inc. ("**Arbor**"), owner of a 50% interest in a 50-acre property in Glanbrook municipally known as 6492 Twenty Road (the "**Property**"). The remaining 50% interest in the property is owned by 1694408 Ontario Limited ("**Sonoma**").

We have been made aware of correspondence to this Committee by Denise Baker and Susan Rosenthal, counsel for Sonoma and other property owners in the area of Twenty Road East and Miles Road (the "Twenty Road East Lands") advocating for the consideration of the Twenty Road East Lands as part of a potential urban boundary expansion brought forward through the GRIDS 2/MCR process. We are also aware that Sonoma and other Twenty Road East landowners have lobbied the mayor's office with respect to a potential urban boundary expansion affecting their lands.

Our client wishes to clarify that Arbor has not authorized Sonoma, as co-owner of the Property, to speak on its behalf with respect to this issue. Similarly, and with all due respect to Ms. Baker and Ms. Rosenthal, Arbor has not authorized counsel for the Twenty Road East landowners to act on their behalf or with respect to the Property. The views presented by Ms. Baker and Ms. Rosenthal on behalf of Sonoma and the Twenty Road East Lands do not necessarily represent those of our client.

#### February 28, 2029 Page 2

Arbor maintains an interest in the outcome of the GRIDS 2/MCR process and the potential expansion of the urban boundary area and looks forward to City staff's recommendations on this important issue. To that effect, we ask that we be notified of any meetings, workshops, public consultations, or further correspondence respecting the identification of Future Growth Areas and urban boundary expansions affecting the Twenty Road East Lands.

Yours truly,

AIRD & BERLIS LLP

David Neligan

DN

c. Arbor Developments Inc.
 Sergio and Joseph Manchia
 Steve Robichaud, Director of Planning and Chief Planner, City of Hamilton
 Denise Baker, WeirFoulds LLP
 Susan Rosenthal, Davies Howe LLP

38979081.2



Borough Mayor and City Councillors' Office 5160 Décarie, Suite 610 Montréal (Québec) H3X 2H9

Tel.: 514-868-3196

marvin.rotrand@montreal.ca

BY E-MAIL

April 20, 2020

Fred Eisenberger Mayor City of Hamilton 2nd floor - 71 Main Street West Hamilton, Ontario L8P 4Y5

Dear Mayor Eisenberger,

I write to seek your help for an important public transit matter. COVID-19 has precipitated a massive loss in public transit ridership with an accompanying catastrophic decline in revenues for transit operators.

Here in our own city the Autorité régionale de transport métropolitain revealed that the four transit operators in the Greater Montreal area have lost \$90 million collectively in revenues since early March due to ridership decline.

Mayors in the Greater Vancouver area went public last week to indicate that Translink, the local transporter, would have to massively cut services as of this week and may have to shut down by June because of a lack of liquidity. Toronto's TTC has announced a weekly loss of between \$18 and \$20 million.

With transit agencies large and small coast to coast losing huge amounts of revenues and some on the verge of closing, the Canadian Urban Transit Association (CUTA) is seeking municipal motions of support for its request for federal funding to stabilize public transport until the end of the crisis.

You can consult CUTA's request through this link:

https://cutaactu.ca/en/news-media/latest-news/public-transit-needs-federal-support-now

CUTA seeks an immediate \$1.2 billion to stabilize transit and then an injection of \$400 million per month until ridership rebuilds to again attain its February 2020 level. Transit experts predict it could take years to rebuild ridership - that work from home, online shopping and fear of being with others in collective transport will see transit ridership depressed for at least the medium term.

Without funding now, we will lose all the gains of the past decades in terms of modal shift to sustainable transit. Windsor Transit serving greater Windsor, Ontario recently shut down for at least 3 weeks due to its revenue shortfall. We can't assume the same won't happen soon to other transit agencies affecting short term service as well as long term capacity to serve the public.

Below please find attached a suggested text for a motion for your Council to adopt.

If your municipality does adopt such a motion, please send a copy to Marco D'Angelo, the CEO of CUTA through the following email DAngelo@cutaactu,ca

Permit me to thank you for your consideration.

Marvin Rotrand

City Councillor - Snowdon

Ville de Montreal 514 774 1073

# DECLARATION TO URGE THE GOVERNMENT OF CANADA TO PROVIDE URGENT FUNDING TO ASSURE THE VIABILITY OF PUBLIC TRANSIT DURING THE COVID-19 PANDEMIC AND TO AID TRANSIT OPERATORS REBUILD RIDERSHIP

Whereas the situation of an unprecedented drop in public transit ridership provoked by the COVID-19 outbreak accompanied by massive revenue losses is affecting public transit agencies right across Canada putting in jeopardy their financial viability and future ability to operate;

Whereas the Canadian Urban Transit Association (CUTA) Canada's largest public transport lobby, the membership of which includes most Canadian transit agencies, has called for urgent emergency funding to address the immediate liquidity issues of transit operators while providing financial stability while ridership rebuilds;

Whereas CUTA estimates as many as 40 per cent of systems may require bridge funding over the coming months requiring some \$1.2 billion to help them keep the buses and trains running;

Whereas CUTA is seeking \$400 million a month to keep services running as fare box and other revenue drop by up to 100 per cent;

Whereas CUTA notes that it will likely take some time for transit operators to rebuilt ridership to February 2020 levels during a gradually return to more normal economic activity;

Whereas without a quick infusion of funds by the Government of Canada it is impossible to assure that the gains made over the past decade in growing the modal share of all rides taken via collective transit will not be lost:

Whereas while transit is a provincial jurisdiction, only the Government of Canada has the budgetary capacity to stabilize public transit during the COVID-19 emergency;

It is proposed by

#### Seconded by

That Hamilton City Council endorse CUTA's request to the Government of Canada for emergency funding to provide immediate liquidity to transit operators and on-going funding to alleviate revenue loss as ridership rebuilds;

That a copy of this motion be sent to the Prime Minister of Canada, the Minister of Transport of Canada and the Minister of Finance of Canada.

### Save Ancaster's Built Heritage

Recipient: Lloyd Ferguson, Jason Thorne , Alissa Denham-Robinson

Letter: Greetings,

Ward 12 Councillor Lloyd Ferguson Email: lloyd.ferguson@hamilton.ca

Phone: 905-546-2704

Jason Thorne, MCIP, RPP

General Manager, Planning & Economic Development,

Email: jason.thorne@hamilton.ca Phone: 905-546-4339 ext. 4258

RE: Save Ancaster's Built Heritage

Dear Councillor Ferguson and Mr. Thorne,

The demolition of well-known and loved Brandon House (462 Wilson Street East, Ancaster) on Friday, April 3, 2020 stunned local residents. The property of cultural heritage interest and value was included on the amalgamated City's Heritage Inventory since at least 2002, as is 450 Wilson Street. Since 2014, the City's Heritage Process has been "under review." A review is urgent.

We, the undersigned, demand transparency and immediate full public disclosure of:

The Process (How and when) the City Heritage Planning staff and/or Steve Robichaud, Director, Planning & Economic Development; the Hamilton Municipal Heritage Committee; Councillor Ferguson and Mr. Thorne

- 1. Screened the development application, including the proposed change/impact/demolition of the Inventoried properties (450 and 462 Wilson Street East, Ancaster)?
- 2. "Commented on how to accommodate proposed changes in a fashion sympathetic to the

heritage character and context?"

3. "Required that the property be thoroughly documented for archival purposes

prior to demolition or removal?"

Required a Cultural Heritage Impact Assessment to assess the potential adverse effects and how they can be mitigated?"

- 4. In relation to the subject properties, what is the
- result of 1, 2, 3, and 4 above?
- rationale against carrying out 2, 3, or 4; when, and by whom?
- 5. Are informed of imminent changes to, or demolition of, buildings at the subject properties, particularly the Brandon House?
- 6. Are informed of citizens' interest in further recognition and protection of subject properties?

In order to protect other inventoried heritage properties in Ancaster, we, the undersigned, also demand

- 1. An immediate hold on changes/demolitions to 450 and 454 Wilson Street East, or any other inventoried heritage property in Ancaster pending the input of the Hamilton Municipal Heritage Committee and related working groups.
- 2. Immediate funding for the professional study of a Heritage Conservation District in Ancaster.
- 3. Transfer all currently inventoried heritage properties in Ancaster to the Heritage Register.
- 4. Within the next City budget, allocate funding for the professional study of all remaining inventoried heritage properties in the amalgamated City of Hamilton.

## **Signatures**

Name	Location	Date
Laurie Brady	Ottawa, Canada	2020-04-13
Shannon Kyles	Consecon, Canada	2020-04-13
James Charlton	Hamilton, Ontario, Canada	2020-04-13
Philip Lowry	Dundas, Canada	2020-04-13
colin harper	hamilton ontario, Canada	2020-04-13
Jill Glessing	Toronto, Canada	2020-04-13
Lynda Agudo	Oakville, Canada	2020-04-13
Sylvia Marechal	Ancaster, Canada	2020-04-13
Robert Kinsey	Hamilton, Canada	2020-04-13
wendy leigh-bell	Hamilton, Canada	2020-04-13
Don Cranston	Toronto, Canada	2020-04-13
Debra Mills	Hamilton, Canada	2020-04-13
ann morgan	Dundas, Canada	2020-04-13
Drew Skuce	Paris, Canada	2020-04-13
Peggy Weller	Milton, Canada	2020-04-13
lena molgaard	Mississauga, Canada	2020-04-13
James (Pegleg) Page 14629 York Durham Line	ZEPHYR, Canada	2020-04-13
James Barlow	Mississauga, Canada	2020-04-13
lauren ganson	Ponoka, Canada	2020-04-13
Chih Wei Hsu	Burnaby, Canada	2020-04-13

Name	Location	Date
Elizabeth Spratt	Dundas, Canada	2020-04-13
Jonghyun Choi	Victoria, Canada	2020-04-13
Carol Dugas	Toronto, Canada	2020-04-13
Harmeen Kaur	Winnipeg, Canada	2020-04-13
Joe Swanson	Antigonish, Canada	2020-04-13
Tim Mckeegan	Toronto, Canada	2020-04-13
ellen oesterreich	Ancaster, Canada	2020-04-13
Kyle Johnston	Calgary, Canada	2020-04-13
Alona Kyrychuk	Toronto, Canada	2020-04-13
NA	winnipeg, Canada	2020-04-13
Sandra Scriver	Lindsay, Canada	2020-04-13
Bernadette Ryan	Dundas, Canada	2020-04-13
Ryan Melvaer	Hamilton, Canada	2020-04-13
Gary Fincham	Dundas, Canada	2020-04-13
Nancy McKibbin Gray	Dundas123, Canada	2020-04-13
Brad Jones	Edmonton, Canada	2020-04-13
Joanna Speller	Hamilton, Canada	2020-04-13
Laura Hutchinson	Dundas, Canada	2020-04-13
Chris Corsini	Hamilton, Canada	2020-04-13
Con Hamilton	Hamilton, Canada	2020-04-13
Sue Carr	Hamilton, Canada	2020-04-13
Bryce Kanbara	Hamilton, Canada	2020-04-13

Name	Location	Date
Christel Farrell	Hamilton, Canada	2020-04-13
Brian Nason	Hamilton, Canada	2020-04-13
Petra Wuppermann	St. George, Canada	2020-04-14
Joseph Hartman	Hamilton, Canada	2020-04-14
Trystann McClarnon	Woodstock, Canada	2020-04-14
Donna Yates	Dundas, Canada	2020-04-14
Trevor Martin	Toronto, Canada	2020-04-14
Jaden Green	Kitchener, Canada	2020-04-14
Jacques Brun	Pointe-du-Chêne, Canada	2020-04-14
Terry Wiese	Melfort, Canada	2020-04-14
John Terpstra	Hamilton, Canada	2020-04-14
Melissa Bouvier	Saint-eustache, Canada	2020-04-14
KIII ADOPT ME	Edmonton, Canada	2020-04-14
Crisanta Bosma	Canada	2020-04-14
Khyati Patel	Mississauga, Canada	2020-04-14
Mary McGee	Ancaster, Canada	2020-04-14
Roya Roozbayani	Toronto, Canada	2020-04-14
Urvashi Gandhi	Brampton, Canada	2020-04-14
Lalhmangaihi Jongte	Calgary, Canada	2020-04-14
shamas un nisa khan	Vaughan, Canada	2020-04-14
Satan La-Mort	Toronto, Canada	2020-04-14
Logan Hubek	Duchess, Canada	2020-04-14

Name	Location	Date
Ali Haghighi	Toronto, Canada	2020-04-14
Deniz Ferdows	Toronto, Canada	2020-04-14
James Langridge	Flesherton, Canada	2020-04-14
Janet Hewitt	Canada	2020-04-14
Bader Alenzi	Ottawa, Canada	2020-04-14
Rhonda Dynes	Hamilton, Canada	2020-04-14
Noa Paul	Calgary, Canada	2020-04-14
Tessa Speller	Heidelberg Heights, Australia	2020-04-14
Lori Birbari	Rainham, Canada	2020-04-14
Tara McAuley	Hamilton, Canada	2020-04-14
Victoria Green	Ancaster, Canada	2020-04-14
William Morrison	Hamilton, Canada	2020-04-14
Krista Foss	Hamilton, Canada	2020-04-14
Dan Freeborn	Brantford, Canada	2020-04-14
Austin Strutt	Hamilton, Canada	2020-04-14
Aurelia Shaw	Hamilton, Canada	2020-04-14
Finn Melvaer	Dundas, Canada	2020-04-14
Kelly White	Ancaster, Canada	2020-04-14
Duane Tucker	Hamilton, Canada	2020-04-14
Bryan Prince	Hamilton, Canada	2020-04-14
Carol Leigh Wehking	Cambridge, Canada	2020-04-14
PATRICIA PALADIN	Hamilton, Canada	2020-04-14

Name	Location	Date
Richard and Carole Capling	Ancaster, Canada	2020-04-14
Norman Perrin	Toronto, Canada	2020-04-14
James Woodwillow	Hamilton, Canada	2020-04-14
Allan Blackborow	Freelton, Canada	2020-04-14
Kristina Verner	Ancaster, Canada	2020-04-14
Michael Temperley	Prince George, Canada	2020-04-14
Tim Fletcher	Grimsby, Canada	2020-04-14
Libby Toews	Dundas, Canada	2020-04-14
Kevin Browne	Ancaster, Canada	2020-04-14
Susan Csatari	Stratford, PEI, Canada	2020-04-14
Donna Hinds	Stoney Creek, Canada	2020-04-14
karen mathers	Oakville, Canada	2020-04-14
Lindsay Ann	Canada	2020-04-14
Duane Abbott	Hamilton, Canada	2020-04-14
Erin Porter	Toronto, Canada	2020-04-14
Ben Stavinga	Tobiano, B.C., Canada	2020-04-14
Lina Cannella	Hamilton, Canada	2020-04-14
Sian Baker	Burlington, Canada	2020-04-14
Jamie Baxter	Dundas, Canada	2020-04-14
Wesley Bates	Clifford, Canada	2020-04-14
Julia Knijnenburg	Nanticoke, Canada	2020-04-14
Carol Lambert	London, Canada	2020-04-14

Name	Location	Date
Diane McDonnel	Delray Beach, Florida, US	2020-04-14
Tony Waterfall	Nelson, Canada	2020-04-14
Sandra sturgess	Burlington, Canada	2020-04-14
Ron Cole	Dundas, Canada	2020-04-14
Cees&Annerie van Gemerden	Hamilton, Canada	2020-04-14
Nori Smith	Brantford, Canada	2020-04-14
Steve Tammi	Minden, Canada	2020-04-14
Babs Dawson	Ancaster, Canada	2020-04-14
Susanne Glinka	Hamilton, Canada	2020-04-14
Shelley Morin	Ancaster, Canada	2020-04-14
Donna Goodwill	Ancaster, Canada	2020-04-14
Paula Huisman	Toronto, Canada	2020-04-14
Grace Soldaat	Ancaster, Canada	2020-04-14
Lisa Fielding	Toronto, Canada	2020-04-14
Ross Munn	Niagara Falls, New York, US	2020-04-14
Dawn Blackman	Ottawa, Canada	2020-04-14
Kim VanSickle	Ancaster, Canada	2020-04-14
Marnie Souter Denton	Hamilton, Canada	2020-04-14
Richard Van Holst	Ancaster, Canada	2020-04-14
Henryk Wojcik	Toronto, Canada	2020-04-14
Rory Stavinga	Noisiel, France	2020-04-14
Sam Robinson	Hamilton, Canada	2020-04-14

Name	Location	Date
John Hargreaves-Kessler	Calgary, Canada	2020-04-14
Colton Hess	Niagara Falls, Canada	2020-04-14
Claudia Strelocke	Southampton, Canada	2020-04-14
Eric De Loor	Victoria, Canada	2020-04-14
Caitlyn Lindberg	Sherwood park, Canada	2020-04-14
Kaitlin Purdy	Sooke, Canada	2020-04-14
Mudra Prajapati	Brampton, Canada	2020-04-14
Steve Roger	Brantford, Canada	2020-04-14
Diyanah Fayad	Calgary, Canada	2020-04-14
lam nguyen	Vancouver, Canada	2020-04-14
c burns	Toronto, Canada	2020-04-14
Zaynah Luzzier	Peterborough, Canada	2020-04-14
zhijie wei	North York, Canada	2020-04-14
Grant Cameron	Calgary, Canada	2020-04-14
Rebecca Brewin	Melbourne, Australia	2020-04-14
David Hood	Graz, Austria	2020-04-14
Jake lombardo	Hamilton, Canada	2020-04-14
Ruth Dwyer	Ancaster, Canada	2020-04-14
Dyesabel Clarito	Vaudreuil-dorion, Canada	2020-04-14
Michaele-Sue Goldblatt	Toronto, Canada	2020-04-14
Robin Buyers	Toronto, Canada	2020-04-14
Julie Spong	Dundas, Canada	2020-04-14

Name	Location	Date
Gerald Farrell	Hamilton, Canada	2020-04-14
Keira McArthur	Hamilton, Canada	2020-04-14
Mary L. Smith	Hamilton., Canada	2020-04-14
Brian Jacobs	Ancaster, Canada	2020-04-14
John House	Beamsville, Canada	2020-04-14
JoAnne Tasker	Mount Hope, Canada	2020-04-14
Margaret Drummond	Toronto, Canada	2020-04-14
Jean Dabros	Lansdowne, Canada	2020-04-14
Jackie Ogilvie	Ancaster, Canada	2020-04-14
james Bristol	Hamiltion On, Canada	2020-04-14
Deirdre Britton	Hamilton, Canada	2020-04-14
Glenna Swing	Ancaster, Canada	2020-04-14
Jennifer Christie	Ottawa, Canada	2020-04-14
Manu S-M	Hamilton, Canada	2020-04-14
Suzanne Moffatt	Winnipeg, Canada	2020-04-14
Debra Zinkiewich	Oakville, Canada	2020-04-14
Verna Jonasson	Toronto, Canada	2020-04-14
B Coon	Angus, Canada	2020-04-14
Sue Floren	Hamilton, Canada	2020-04-14
Dan Ruiter	Hamilton, Canada	2020-04-14
Vicki DeNardis	Hamilton, Canada	2020-04-14
Catherine Price	Toronto, Canada	2020-04-14

Name	Location	Date
Patrick DeNardis	Ancaster, Canada	2020-04-14
Tan Tran	Edmonton, Canada	2020-04-14
Andrea Collier	Georgetown, Canada	2020-04-14
Beatrice Beveridge	Elgin, Canada	2020-04-14
Lisa Richard	Ottawa, Canada	2020-04-14
Lynda Aliberti	Fort Erie, Canada	2020-04-14
Kerry Radigan	Ancaster, Canada	2020-04-14
Jennifer Floren	Ancaster, Canada	2020-04-14
Trudy McAlpine	Smithville, Canada	2020-04-14
Syed Quadri	Scarborough, Canada	2020-04-14
Chris Reaburn	Woodstock, Canada	2020-04-14
Ray Field	Ottawa, Canada	2020-04-14
Bill Rowlinson	Hastings, Canada	2020-04-14
Sandra Yoanidis	Cambridge, Canada	2020-04-14
Gary Mandaric	Milton, Canada	2020-04-14
Jayne Morris	Beamsville, Canada	2020-04-14
Martin Stallard	Heathfield, UK	2020-04-14
Sharon Lee	Ancaster, Canada	2020-04-14
Ingrid Mecs	Dartmouth, Canada	2020-04-14
Graham Crawford	Hamilton, Canada	2020-04-14
Leigh Wells	Hamilton, Canada	2020-04-14
Sonya Topping	Ancaster, Canada	2020-04-14

Name	Location	Date
Karen Stoltz	Newmarket, Canada	2020-04-14
Mary Anne Peters	Hamilton, Canada	2020-04-14
Lynn Radigan	Brantford, Canada	2020-04-14
Barbara Patterson	Dundas, Canada	2020-04-14
Todd Walker	Cambridge, Canada	2020-04-14
Richard Moll	Hamilton, Canada	2020-04-14
Wendy Clancy	Toronto, Canada	2020-04-14
Susan Mackrory	Hamilton, Canada	2020-04-14
Brenda Barth	Peterborough, Canada	2020-04-14
Monica Cechet	Ancaster, Canada	2020-04-14
Judy McCrea	Ancaster, Canada	2020-04-14
Jacqui Detmar	Mississauga, Canada	2020-04-14
Thomas Beckett	Oakville, Canada	2020-04-14
Ken Lane	Saint Catharines, Canada	2020-04-14
Deborah Birkett	Ancaster, Canada	2020-04-14
Linda Ferguson	Brantford, Canada	2020-04-14
Crystal Woodward	Tillsonburg, Canada	2020-04-14
Jaclynne Cooney	Minden, Canada	2020-04-14
Leanne Pluthero	Hamilton, Canada	2020-04-14
Deborah Martin	Hamilton, Canada	2020-04-14
Leslie MacPherson	Lincoln, Canada	2020-04-14
Alisha Ball	Hamilton, Canada	2020-04-14

Name	Location	Date
Sherrie Coulson	Hamilton, Canada	2020-04-14
Kim Burton	Toronto, Canada	2020-04-14
Lindsay Fotheringham	Ancaster, Canada	2020-04-14
Alexander McKay	Stoney Creek, Canada	2020-04-14
Terry Main	Phoenix, Arizona, US	2020-04-14
Michael Berry	Southampton, Canada	2020-04-14
Tim Winer	Hamilton, Canada	2020-04-14
Sandra McLeod	Hamilton, Canada	2020-04-14
Corinna Granatier	Hamilton, Canada	2020-04-14
Jeff Towers	Kingston, Canada	2020-04-14
Susan Evans Shaw	Hamilton, Canada	2020-04-14
James Bruce	Ancaster, Canada	2020-04-14
Margaret Webber	Pakenham, Canada	2020-04-14
Leslie Brown	Kitchener, Canada	2020-04-14
Vanessa Lamouche	Hamilton, Canada	2020-04-14
Steve Paterson	Ancaster, Canada	2020-04-14
Rebecca Woodward	Brantford, Canada	2020-04-14
Lucie White	Ancaster, Canada	2020-04-14
Denise Wilson	Ancaster, Canada	2020-04-14
Tracie Okimi	Brantford, Canada	2020-04-14
David Lee	Toronto, Canada	2020-04-14
Lynne Mackenzie	Ajax, Canada	2020-04-14

Name	Location	Date
Jay Hendrie	Brantford, Canada	2020-04-14
tim hilton	Hamilton, Canada	2020-04-14
Kelly Easton	Hamilton, Canada	2020-04-14
Cheryl Smith	Hamilton, Canada	2020-04-14
Janice Scott	Hamilton, Ontario, Canada	2020-04-14
Robert Collins	Toronto, Canada	2020-04-14
Kathleen Szoke	Burlington, Canada	2020-04-14
Ruth Naab	Canada	2020-04-14
Judy Mccollum	Hamilton, Canada	2020-04-14
Michael Rehill	Hamilton, Canada	2020-04-14
Larry & Krista Stone	Caledonia, Canada	2020-04-14
Zohar Abel	Dundas, Canada	2020-04-14
Kim Tataru	Hamilton, Canada	2020-04-14
Robin Meadus	Saint Albans, Canada	2020-04-14
Ann McKay	Hamilton, Canada	2020-04-14
Paul Graham	Ancaster, Canada	2020-04-14
Joan Lawless	Edmonton, Canada	2020-04-14
Anjum Sherazi	Mississauga, Canada	2020-04-14
Deanna Pedicone	Brantford, Canada	2020-04-14
Andrew Pringle	Ancaster, Canada	2020-04-14
Kristin Eccles	Toronto, Canada	2020-04-14
Jeff Van De Walle	Calgary, Canada	2020-04-14

Name	Location	Date
Justine Arroyo	Dollard-des-ormeaux, Canada	2020-04-14
Elaine Nowell	Hamilton, Canada	2020-04-14
Kristina Mehlenbacher	Brantford, Canada	2020-04-14
Maureen Morrison	Ancaster, ON, Canada	2020-04-14
Donna Wilson	Hamilton, Canada	2020-04-14
Nicole Bedell	Grimsby, Canada	2020-04-14
Laura Street	Ancaster, Canada	2020-04-14
Paul Karbusicky	Hamilton, Canada	2020-04-14
Hanna Sahle	Victoria, Canada	2020-04-14
Bonnie McCoy	Caledonia, Canada	2020-04-14
Shawn Selway	Hamilton, Canada	2020-04-14
Kayla Eccles	Ottawa, Canada	2020-04-14
Hannah Hubalde	Winnipeg, Canada	2020-04-14
Jesse Jones	London, England, UK	2020-04-14
Karen Filice	Hamilton, Canada	2020-04-14
John Dyck	Brandon, Canada	2020-04-14
Amy McLaughlin	Flamborough, Canada	2020-04-14
Keith Mackin	Grand Bay-Westfield, Canada	2020-04-14
Robin Bosher	Brantford, Canada	2020-04-14
Jardena Goldshtein	Dundas, Canada	2020-04-14
Sandra Klimowski	Oakville, Canada	2020-04-14
Dyach Marie	Lynden, Canada	2020-04-14

Name	Location	Date
Sandra Freeman	Wiarton, Canada	2020-04-14
Henik KOKSANOWICZ	Hamilton, Canada	2020-04-14
Candace Porter	Thunder Bay, Canada	2020-04-14
Michael Laird	Toronto, Canada	2020-04-14
Sarah Oliver	Hamilton, Canada	2020-04-14
Catharine Radigan	Cambridge, Canada	2020-04-14
Christine Beyer-McFarlane	Mebane, North Carolina, US	2020-04-14
Maureen Jaggard	AncasterL, Canada	2020-04-14
Nancy Armstrong	Hamilton, Canada	2020-04-14
Shelly Hillier	Dundas, Canada	2020-04-14
Hazel Ryan	Ancaster, Canada	2020-04-14
Mary Joan MacLeod	Ancaster, Canada	2020-04-14
Lynn Workman	Ancaster, Canada	2020-04-14
Kendra King	Ancaster, Canada	2020-04-14
claire vice	Ancaster, Canada	2020-04-14
Bob Cameron	Winnipeg, Canada	2020-04-14
Robert Yates	Dundas, Canada	2020-04-14
Tracy Klingbeil	Hamilton, Canada	2020-04-14
Karen Viersen	Ancaster, Canada	2020-04-14
David Hunt	Burlington, Canada	2020-04-14
Doug Baker	Hamilton, Canada	2020-04-14
Jeanne Barrett	Hamilton, Canada	2020-04-14

Name	Location	Date
Linda Wu	Ancaster, Canada	2020-04-14
Dan Reid	Cambridge, Canada	2020-04-14
David Ellis	Toronto, Canada	2020-04-14
trudi down	Hamilton, Canada	2020-04-14
Lance D. Cole	Hamilton, Canada	2020-04-14
Carolyn Fournier	Bracebridge, Canada	2020-04-14
Wendy Somerville	Ancaster, Canada	2020-04-14
Tracey-Ann Prokipczuk	Ancaster, Canada	2020-04-14
wannie armes	Hamilton, Canada	2020-04-14
George Patrick	Nanticoke, Ontario, Canada	2020-04-14
Wendy Bulley	Hamilton, Canada	2020-04-14
Annette Haas	Hamilton, Canada	2020-04-14
Rahul Paul-Chowdhury	Blainville, Canada	2020-04-14
Jonathan Hill	Ancaster, Canada	2020-04-14
Laura Fraser	Ancaster, Canada	2020-04-14
Cynthia Toze	Vancouver, Canada	2020-04-14
Elaine Sharp	Dundas, Ontario, Canada	2020-04-14
Jan Kamermans	Hamilton, Canada	2020-04-14
Peter Young	Belleville, Canada	2020-04-14
Vicki Tournay	Ancaster, Canada	2020-04-14
Matthew Smith	Dundas, Canada	2020-04-14
Liz Bourns	Ancaster, Canada	2020-04-14

Name	Location	Date
Carey Grundy	Ancaster, Canada	2020-04-14
Gerry Batten	Gulf Shores, Alabama, US	2020-04-14
Lucy Collee	Saint Catharines, Canada	2020-04-14
Esti Tomson	Ancaster, Canada	2020-04-14
Brian Hunt	Ancaster, Canada	2020-04-14
Shannon Hilton	Dundas, Canada	2020-04-14
Angela Simpson	Ancaster, Canada	2020-04-14
Sabrina DiFederico	Hamilton, Canada	2020-04-14
Christine Elliott	Hamilton, Canada	2020-04-14
Donna Fraser	Ancaster, Canada	2020-04-14
dennis goldsberry	hamilton, Canada	2020-04-14
Samantha Millar	Calgary, Canada	2020-04-14
E. Kimber Johnston	Hamilton, Canada	2020-04-14
Caitlyn Gambacort	Ancaster, Canada	2020-04-14
Sue McDiarmid	Brantford, Canada	2020-04-14
Colin Leversidge	Hamilton, Canada	2020-04-14
Meagan Beck	Ancaster, Canada	2020-04-14
Nicole Armes	Edmonton, Canada	2020-04-14
Angela Templeton	Ancaster, Canada	2020-04-14
Phil Denton	Hamilton, Canada	2020-04-14
jim brown	stoney creek, on can, Canada	2020-04-14
Tula Tusox	Hamilton, Canada	2020-04-14

Name	Location	Date
Ольга Москалёва	Hamilton, Canada	2020-04-14
Rob Chiarini	Hamilton, Canada	2020-04-14
Darryl Buckle	Hamilton, Canada	2020-04-14
Mike Jefferson	Ancaster, Canada	2020-04-14
Thomas Davis	Markham, Canada	2020-04-14
Richard Cooke	Hamilton, Canada	2020-04-14
Matt Brady	Milton, Canada	2020-04-14
Shirley Molinaro	Toronto, Canada	2020-04-14
Marie Sguigna	Ancaster, Canada	2020-04-14
Bradley Lewicki	Ancaster, Canada	2020-04-14
Karen Wilkins	Ancaster, Canada	2020-04-14
NA	Niagara Falls, Canada	2020-04-14
Nancy Milawski	Hamilton, Canada	2020-04-14
Rob Vanderheyden	Hamilton, Canada	2020-04-14
Carolyn Cutt	Hamilton, Canada	2020-04-14
Deborah Kessler	Lexington, Kentucky, US	2020-04-14
Andrea Connor	Hamilton, Canada	2020-04-14
Sarah Rasmussen	Beamsville, Canada	2020-04-14
Kerri Withers	Hamilton, Canada	2020-04-14
Cathy Decaro	St. Catharines, Canada	2020-04-14
jennifer Coombe	Burlington, Canada	2020-04-14
Mike Walsh	Squamish, Canada	2020-04-14

Name	Location	Date
Ancaster Factor	Hamilton, Canada	2020-04-14
Matt Di Benedetto	Ancaster, Canada	2020-04-14
Delaney Davis	Burlington, Canada	2020-04-14
Emilia Ruksenas	Ancaster, Canada	2020-04-14
Jane McLean	Dundas, Canada	2020-04-14
Alice Horwood	Peterborough, Canada	2020-04-14
Malcolm MacDonald	Ancaster, Canada	2020-04-14
Marlene Sheahan	Hamilton, Canada	2020-04-14
Cherie Somerville	Hamilton, Canada	2020-04-14
Jenny John	Ancaster, Canada	2020-04-14
Raymond Giardino	Canada	2020-04-14
Jennifer Kaye	Hamilton, Canada	2020-04-14
Deb Kelemen	Southampton, Canada	2020-04-14
Linda Pazzi	Hagersville, Canada	2020-04-14
Craig Destephanis	Hamilton, Canada	2020-04-14
Judy Spears	Muskoka, Canada	2020-04-14
Caroline Downman	Ancaster, Canada	2020-04-14
Tom Broen	Toronto, Canada	2020-04-14
Christopher Riddell	Caledonia, Canada	2020-04-14
Anne Haberl	Hamilton, Canada	2020-04-14
Chris Stolberg	Whistler, Canada	2020-04-14
Lee Gotham	Dundas, Canada	2020-04-14

Name	Location	Date
Joel Patterson	Dunnville, Canada	2020-04-14
Stephanie Gasko	Ancaster, Canada	2020-04-14
Debbie Ellis	Hamilton, Canada	2020-04-14
marlene weil	Brantford , ON, Canada	2020-04-14
Debbie Mills	Ancaster, Canada	2020-04-14
Heather Vaugeois	Hamilton, Canada	2020-04-14
Catherine Brock	Ancaster, Canada	2020-04-14
Laura Hounsell	Ancaster, Canada	2020-04-14
Frankie B. Wylde	Newmarket, Canada	2020-04-14
Honor Hughes	Ancaster, Canada	2020-04-14
Paula Murray	Hamilton, Canada	2020-04-14
Alison Stanton	Hamilton, Canada	2020-04-14
Jane Brown	Ajax, Canada	2020-04-14
Julie Valevicius	Hamilton, Canada	2020-04-14
Maggie Bassendale	Dunnville, Canada	2020-04-14
Ingrid Kuhn	Cambridge, Canada	2020-04-14
Irene Hoffman	Kitchener, Canada	2020-04-14
Nancy Martin	ANCASTER, Canada	2020-04-14
Rob Middleton	Hamilton, Canada	2020-04-14
JASON BRADY	Hamilton, Canada	2020-04-14
Karin Turner	Waterdown, Canada	2020-04-14
vincenza cuffaro	Toronto, Canada	2020-04-14

Name	Location	Date
gilbert ostler	Oshawa, Canada	2020-04-14
Nicola Jamani	Hamilton, Canada	2020-04-14
Melissa Jeffrey	Ancaster, Canada	2020-04-14
Devon King	Hamilton, Canada	2020-04-14
Kathleen Stott	HAMILTON, Canada	2020-04-14
Debra Valevicius	Ancaster, Canada	2020-04-14
Anne Mitchell	Toronto, Canada	2020-04-14
Fil Frisina	Hamilton, Canada	2020-04-14
Michelle Tew	Hamilton, Canada	2020-04-14
Joan baker	Hamilton, Canada	2020-04-14
Kathryn Newberry	Hamilton, Canada	2020-04-14
Michael Ward	Hamilton, Canada	2020-04-14
Lynn Watson	Hamilton, Canada	2020-04-14
Karan Van Patter	Hamilton, Canada	2020-04-14
Alison Emo	Ancaster, Canada	2020-04-14
Paula-Ann Simon	Burlington, Canada	2020-04-14
James Bolychuk	Oakville, Canada	2020-04-14
Kathy Cozens	Hamilton, Canada	2020-04-14
Bev Holt	Brantford, Canada	2020-04-14
Susan Britton	Franklin, North Carolina, US	2020-04-14
Jackie Toth	Ancaster, Canada	2020-04-14
Betty Watson	Hamilton, Canada	2020-04-14

Name	Location	Date
Kim Strecker	Ancaster, Canada	2020-04-14
R Keane	Hamilton, Canada	2020-04-14
maria barray	Hamilton, Canada	2020-04-14
Spencer Mehlenbacher	Brantford, Canada	2020-04-14
Liliana Caeiro	Hamilton, Canada	2020-04-14
carl fiamelli	Ancaster, Canada	2020-04-14
Jerry Johnson	Hamilton, Canada	2020-04-14
Diletta Andreozzi	Milano, Italy	2020-04-14
Barb Abbey Karschti	Ancaster, Canada	2020-04-14
Sarah Cranston	Vancouver, Canada	2020-04-14
patrick butts	hamilton, Canada	2020-04-14
Karin Donahue	Burlington, Canada	2020-04-14
Rebecca Thompson	Hamilton, Canada	2020-04-14
Paul Lisson	Hamilton, Canada	2020-04-14
Lise Levesque	Hamilton, Canada	2020-04-14
Anna Kozak	Toronto, Canada	2020-04-14
Mary Lou Edwards	Ancaster, Canada	2020-04-14
Susan Jasper	Burlington, Canada	2020-04-14
Paul Burley	Canada	2020-04-14
Lindi Pierce	Belleville, Canada	2020-04-14
Neil Maclean	Hamilton, Canada	2020-04-14
Matt Coultes	Canada	2020-04-14

Name	Location	Date
Wendy Tiller	Australia	2020-04-14
Shivonne Lewis	Ancaster, Canada	2020-04-14
Richard Morcombe	New Westminster, Canada	2020-04-14
Lori Dale	Dundas, Canada	2020-04-14
Lianne Rossman-Bhatia	Ancaster, Canada	2020-04-14
Trevor Whiffen	Toronto, Canada	2020-04-14
Jessica Whitrhead	Ancaster, Canada	2020-04-14
Karen Henderson	Richmond Hill, Canada	2020-04-14
David Temperley	Lynden, Canada	2020-04-14
Michelle Blackwell	Toronto, Canada	2020-04-14
Donna Erben	Hamilton, Canada	2020-04-14
Sandra Starr	Ancaster, Canada	2020-04-14
Lori Dawson	Ancaster, Canada	2020-04-14
Mike Mccarty	Brantford, Canada	2020-04-14
Beverly Fernanadez	Sarasota, Florida, US	2020-04-14
Patrice Whiffen	Oakville, Canada	2020-04-14
Andrew Parker	Ancaster, Canada	2020-04-14
Susan Carre	Niagara Falls, Canada	2020-04-14
Karen Lane-Groen	Ancaster, Canada	2020-04-14
Robert Ellison	Ancaster, Canada	2020-04-14
Leslie Murray-Leung	Ancaster, Canada	2020-04-14
Jenna Turgeon	Paris, Canada	2020-04-14

Name	Location	Date
Elizabeth Morrison	Dundas, Canada	2020-04-14
Diana Guild	Ancaster, Canada	2020-04-14
Dora-Ann Cohen Ellison	Ancaster, Canada	2020-04-14
Sue Foley	Priceville, Canada	2020-04-14
Glenann Vincent	Oakville, Canada	2020-04-14
Robert Wilt	Ancaster, ON, Canada	2020-04-14
David Grasley	Brantford, Canada	2020-04-14
Krista Warnke	Hamilton, Canada	2020-04-15
Mike Mckenna	Calgary, Canada	2020-04-15
Zachary Zappulla	Venice, US	2020-04-15
Sona Rshtuni	Sun Valley, US	2020-04-15
Kevin Dunlop	Exeter, Canada	2020-04-15
Abby Weaver	Beverly Hills, US	2020-04-15
Jordan Arthur	Mannford, US	2020-04-15
Jasper Dalke	Faust Alberta, Canada	2020-04-15
Kathleen YoungKuder	Gardnerville, US	2020-04-15
Jasdeep Panesar	Vaughan, Canada	2020-04-15
Ellis Marshall IV	Fishers, US	2020-04-15
Karen Roberts	Seattle, US	2020-04-15
Nick Gurr robinson	Camden, US	2020-04-15
Emily Treml	Green Bay, US	2020-04-15
Leah Zappia	Englewood, US	2020-04-15

Name	Location	Date
Jakyra Gr	Bloomington, US	2020-04-15
Penis McGee	Whitehouse, US	2020-04-15
Carol Cobiskey	Caldwell, US	2020-04-15
Matthew Press	Amsterdam, US	2020-04-15
Craig Wilson	Norwalk, US	2020-04-15
Layla Alkholaki	US	2020-04-15
Ashley Deeds	Covington, US	2020-04-15
Deanna Holt	Los Angeles, US	2020-04-15
Sagun Paudel	Toronto, Canada	2020-04-15
Andrew Morris	Victoria, US	2020-04-15
Samuel Tucker	Orangeburg, US	2020-04-15
Christopher Taylor	South Bend, US	2020-04-15
Zion Ferguson	Pompano beach, US	2020-04-15
Mark Anthony Quintero	Deltona, US	2020-04-15
Jesus Sanchez	Mansfield, US	2020-04-15
Elisa Garcia	Phoenix, US	2020-04-15
lana ho	Butler, US	2020-04-15
Selena Schmit	Riverview, US	2020-04-15
Marisol Mahuiz	Indianapolis, US	2020-04-15
sophia strauss	Seattle, US	2020-04-15
Ascencion Gonzalez	Chicago, US	2020-04-15
Latanya White	Chicago, US	2020-04-15

Name	Location	Date
Caleb McDaniel	Mission Viejo, US	2020-04-15
David Leslie	Killeen, US	2020-04-15
Tyler Posusky	West warren, US	2020-04-15
david sanchez	Miami, US	2020-04-15
Tarra Comeau	Halifax, Canada	2020-04-15
Tanner Woodhouse	Orillia, Canada	2020-04-15
Claudia Otero	Winchester, US	2020-04-15
fantashia pettis	Indiana, US	2020-04-15
Nicole Pinzon	Hialeah, US	2020-04-15
Charlotte Crowell	Austin, US	2020-04-15
Broagan Goertz	Edmonton, Canada	2020-04-15
Wendy Zhu	Rockville, US	2020-04-15
Amy Weis	Kihei, US	2020-04-15
QuanTerica Moss	Texarkana, US	2020-04-15
Mackenzie MacFarlane	Napoleon, US	2020-04-15
Jennifer Granados	Miami, US	2020-04-15
Debra Weatherston	Port Dover, Canada	2020-04-15
Chris Fairley	Lansing, US	2020-04-15
Abdou Haddad	Canada	2020-04-15
Chris Lee	Cobourg, Canada	2020-04-15
Grace Howell	Cherokee Village, US	2020-04-15
Waleah Robinson	Orlando, US	2020-04-15

Name	Location	Date
Tommy Henninger	Steamboat Springs, US	2020-04-15
Emily Riker	US	2020-04-15
Madison Taylor	Warrior, US	2020-04-15
Marcine McBride	West Babylon, New York, US	2020-04-15
Molly Brewer	Attleboro, US	2020-04-15
Laura Ouellette	Toronto, Canada	2020-04-15
Ryleigh Martin	Columbus, US	2020-04-15
Brandon Santos	San Antonio, US	2020-04-15
vladimir martinez	Miami, US	2020-04-15
Jennifer Dunkerson	Nelson, Canada	2020-04-15
Martin carranza	Immokalee, US	2020-04-15
Termaine Termaine	US	2020-04-15
nevaeh Cruz	Pasadena, US	2020-04-15
Karen Nankervis	Hancock, US	2020-04-15
Tina Majers	Springville, US	2020-04-15
Deanna Emery	Hope, Canada	2020-04-15
Haley Rourke	Lowell, US	2020-04-15
Destiny Sims	Bradenton, US	2020-04-15
Isaiah Brown	Ormond Beach, US	2020-04-15
Helena Greenslit	Worcester, US	2020-04-15
fuck you	Aurora, US	2020-04-15
Patricia Cardona	Inverness, US	2020-04-15

Name	Location	Date
Elizabeth Robinson	Orlando, US	2020-04-15
Isobella Zurbuch	Pomona, US	2020-04-15
shasta jines	Houston, US	2020-04-15
Ash Cullor	Merriam, US	2020-04-15
Adam Kunkelman	Tampa, US	2020-04-15
Terresha Clifton	Antioch, US	2020-04-15
Kai Lee	San Bruno, US	2020-04-15
Tori Akers	Hyden, US	2020-04-15
Vaughn Gray	Elmwood Park, US	2020-04-15
Jolanta Nowak	Hamilton, Canada	2020-04-15
Caro Sinead	US	2020-04-15
Jordan Wright	Falls city, US	2020-04-15
jake rotert	Seymour, US	2020-04-15
Carol Hudson	Indianapolis, US	2020-04-15
Eddie Gardea	Rancho Cucamonga, US	2020-04-15
paige stirn	Floyds Knobs, US	2020-04-15
Todd Scarlett	Clarkston, US	2020-04-15
Arian Lunar	Elizabeth, US	2020-04-15
Sai Satvik Doddaka	Syracuse, US	2020-04-15
Shawn Graves	Salisbury, US	2020-04-15
Jason Pascall	Clark, New Jersey, US	2020-04-15
Christian Allen	Jonesboro, US	2020-04-15

Name	Location	Date
Saul Bravo	Bakersfield, US	2020-04-15
Zach March	Defiance, US	2020-04-15
Allayna Gue	Portage, US	2020-04-15
Madison Behr	Ancaster, Canada	2020-04-15
Shalia Guerra	Tampa, US	2020-04-15
Stephen Mccool	Barre, US	2020-04-15
Hsiuhua Yu	Vancouver, Canada	2020-04-15
Jamere Jenkins	South Bend, US	2020-04-15
Jeff Alvaira	Winnipeg, Canada	2020-04-15
Jonathon gomez	Pottstown, US	2020-04-15
Zack Brown	Miami, US	2020-04-15
Izabella Mendez	Wauseon, US	2020-04-15
Kayla Fulton	Liberty Center, US	2020-04-15
hong Ma	Ajax, Canada	2020-04-15
Robert Clark	Livingston, US	2020-04-15
Justin Martin	Naples, US	2020-04-15
Josh Green	Mississauga, Canada	2020-04-15
Yesmarie Diaz	Dorchester, US	2020-04-15
Tracy Mitchell	Jacksonville, US	2020-04-15
Peter Kmiec	Fall River, US	2020-04-15
Maria Silva	Long Branch, US	2020-04-15
Philippe Morla	Norfolk, US	2020-04-15

Name	Location	Date
Samuel Reynoldson	Osceola, US	2020-04-15
Lily Shannon	Andover, US	2020-04-15
Ralph Maltese	Macomb, US	2020-04-15
Bianca Vaughn	Boston, US	2020-04-15
douglas Cobiskey	Caldwell, US	2020-04-15
Jonathan Ramirez	Houston, US	2020-04-15
chris parrish	Holland, US	2020-04-15
Stephanie Gilchrist	Atlanta, US	2020-04-15
Paulina Glamann	Phoenix, US	2020-04-15
Cassie Reinertson	York, US	2020-04-15
Marat Washburn	Steamboat Springs, US	2020-04-15
duong vo	Renton, US	2020-04-15
Noah Bird	North Andover, US	2020-04-15
Megan Augustyn	Lexington, US	2020-04-15
manjit brar	Brampton, Canada	2020-04-15
Schuyler Adams	Frankfort, US	2020-04-15
Sandeep Kaur	Brampton, Canada	2020-04-15
Carrie Toothman	Sanibel island, US	2020-04-15
Jose Hernández	Frankfort, US	2020-04-15
John Holmes	Appleton, US	2020-04-15
connor richardson	hilden, Canada	2020-04-15
Imran Hossain	Bronx, US	2020-04-15

Name	Location	Date
maya letrese	Indianapolis, US	2020-04-15
Emonie Fuller	Norfolk, US	2020-04-15
Kaison Lau	San Diego, US	2020-04-15
Andrea Diaz	Fontana, California, US	2020-04-15
Joshua Perez	Cypress, US	2020-04-15
Curtis Never	Whitehouse, US	2020-04-15
Vivian Adkins	Fontana, US	2020-04-15
Michaela Weston	Chico, US	2020-04-15
Bella Josol	Flushing, US	2020-04-15
Carolyn Tran	Springfield, US	2020-04-15
Courtney Robinson	Pittsburgh, US	2020-04-15
Caleb Bolychuk	Toronto, Canada	2020-04-15
Megan Beckett	Ancaster, Canada	2020-04-15
Andrew Stewart	Toronto, Canada	2020-04-15
Ethel Muli	Minden, Canada	2020-04-15
Alisha Khan	Toronto, Canada	2020-04-15
Samantha Harper	Hamilton, Canada	2020-04-15
Cliff Hennig-Pereira	Milton, Canada	2020-04-15
David Levy	Canada	2020-04-15
Rachel Selbie	Ancaster, Canada	2020-04-15
Sher Kariz	Jacksonville, Florida, US	2020-04-15
Mark Scime	Toronto, Canada	2020-04-15

Name	Location	Date
Ally Chadwick	ancaster, Canada	2020-04-15
Rachael Turza	Ancaster, Canada	2020-04-15
Chris Turza	Ancaster, Canada	2020-04-15
Rob Milne	Hamilton, Canada	2020-04-15
Tara Lawr	Hamilton, Canada	2020-04-15
Allison Law	Waterloo, Canada	2020-04-15
Jane Brunto	Hamilton, Canada	2020-04-15
Peter Schellhorn	Glenview, Illinois, US	2020-04-15
jessica allen	Toronto, Canada	2020-04-15
Aimee Rice	Armstrong, Canada	2020-04-15
Jan Bethune	Arnprior, Canada	2020-04-15
Brenda Hoskin	Ancaster, Canada	2020-04-15
Richard & Barbara Bodner Bodner	71 Sulphur Springs Rd. ANCASTER, Canada	2020-04-15
Catherine Nasmith	Toronto, Canada	2020-04-15
Gary Jeffrey	Collingwood, Canada	2020-04-15
Bruce Hoyle	Burlington, Canada	2020-04-15
Leo Ezerins	Hamilton, Canada	2020-04-15
Greg Kyles	Ancaster, Canada	2020-04-15
Angela Caldwell	Waterloo, Canada	2020-04-15
Rafal Lewandowski	Dundas, Canada	2020-04-15
Elaine Clarke	Dundas, Canada	2020-04-15

Name	Location	Date
Elisa Carobelli	Hamilton, Canada	2020-04-15
Chris Wattie	Toronto, Canada	2020-04-15
Lisa Ashton	Hamilton, Canada	2020-04-15
Lisa Read	Ancaster, Canada	2020-04-15
Liz Scheid	Ancaster, Canada	2020-04-15
Anne Maclaughlin	Owen Sound, Canada	2020-04-15
Robin Gleadall	HAMILTON, Canada	2020-04-15
Sue French	Cambridge, Canada	2020-04-15
Dan Pope	Ancaster, Canada	2020-04-15
Susan Waters	Dundas, Canada	2020-04-15
miriam perks	Hamilton, Canada	2020-04-15
Steven Scott	Ancaster, Canada	2020-04-15
Stephanie Chapman	Hamilton, Canada	2020-04-15
wendy Hickey	Waterdown, Canada	2020-04-15
Victoria Varga	Köln, Germany	2020-04-15
Wesley Schreuer	Ancaster, Canada	2020-04-15
Laura Isotti	Pesaro, Italy	2020-04-15
Lorraine Snetsinger	Brantford, Canada	2020-04-15
Joel Symons	Douglas,, US	2020-04-15
joshua bocanegra	Kyle, US	2020-04-15
Mackenzie Jolly	Athens, US	2020-04-15
Tyrone Sutherland	Guelph, Canada	2020-04-15

Name	Location	Date
Andres Samson	Texarkana, US	2020-04-15
Susan Feehery	Lansing, US	2020-04-15
Aria Snider	Ypsilanti, US	2020-04-15
Kaylan Mills	Parsons, US	2020-04-15
Conrad Quezada	Rancho Cucamonga, US	2020-04-15
Boi Boi	Kaysville, US	2020-04-15
Veronica Pelayo	Norwalk, US	2020-04-15
Cade Crockett	Houston, US	2020-04-15
Melodie Rodriguez	Pigeon Forge, US	2020-04-15
Matthew Kassel	Phoenixville, US	2020-04-15
Myshawn Williams	Long Beach, US	2020-04-15
Hayden LeClerc	Key West, US	2020-04-15
Zach Berry	Philadelphia, US	2020-04-15
Stephen Paslow	Pittsburgh, US	2020-04-15
Lili Huang	Edmonton, Canada	2020-04-15
Devyn Brown	Winston-salem, US	2020-04-15
Jeremiah Cordova	Upland, US	2020-04-15
Monica Jones	Frackville, US	2020-04-15
Xavier Rodzos	Perrysburg, US	2020-04-15
Crystal Hart	Leesburgh, US	2020-04-15
Laith Jarrar	Claremont, US	2020-04-15
Blake Cornelius	Pensacola, US	2020-04-15

Name	Location	Date
Zane Steelman	College Station, US	2020-04-15
Carter Channey	New Albany, US	2020-04-15
Tonio Echeverry	Panama City, US	2020-04-15
Shannon Mitchell	Gravelbourg, Canada	2020-04-15
Greysin Housar	Huntington, US	2020-04-15
Michael Cantrell	Du Bois, US	2020-04-15
Marcus Dillard	Glendale, US	2020-04-15
Tyler Mordecai	Albuquerque, US	2020-04-15
sabrina huizar	glendale, US	2020-04-15
Tiarra Coker	Oregon, US	2020-04-15
Kyanna M	Thomson, US	2020-04-15
adam lord	Herne Hill, England, UK	2020-04-15
Norma Bessi	Hamilton, Canada	2020-04-15
Stéphane Beauroy	Toronto, Canada	2020-04-15
Marta Stiteler	Hamilton, Canada	2020-04-15
Ivonne Marquez	Villa Park, US	2020-04-15
Alena Prodan	US	2020-04-15
Ben dover	Ociola, US	2020-04-15
Christine Jeanette	Martensville, Canada	2020-04-15
William Macaulay	Holbrook, US	2020-04-15
Elizabeth Takahashi	San Francisco, US	2020-04-15
Kevin McAllister	las Vegas, US	2020-04-15

Name	Location	Date
jessica Victoria Anaya	Laval, Canada	2020-04-15
Hailee Simmons	malvern, US	2020-04-15
Eric Simister	Williams Lake, Canada	2020-04-15
Sami Malan	El Cajon, US	2020-04-15
Asher O	US	2020-04-15
Period Luv	Placentia, US	2020-04-15
Donairia Johnson	Dallas, US	2020-04-15
James Wu	Woodsid, US	2020-04-15
Philip Durrell	Kennebunkport, US	2020-04-15
Erubiel Cervantes	Houston, US	2020-04-15
Unique Michael	Brooklyn, US	2020-04-15
Michele Victory	Greeley, US	2020-04-15
Helen Montoux	Collingwood, Canada	2020-04-15
Meyah Peel	Fort Walton Beach, US	2020-04-15
Jay Corduroy	Cincinnati, US	2020-04-15
minh pham	Philadelphia, US	2020-04-15
Judy Boswell	Hamilton, Canada	2020-04-15
Lucky Rose	Santa Maria, US	2020-04-15
Cody Rhyne	Dallas, US	2020-04-15
Khambia Clarkson	Marshalltown, US	2020-04-15
Raúl Donastorg	Miami, US	2020-04-15
valerie houck	Thomasville, US	2020-04-15

Name	Location	Date
Michelle Saint	Hawthorne, US	2020-04-15
Joseph Vann	Hastings, US	2020-04-15
Mark Fischer	West Palm Beach, US	2020-04-15
Kelsey Cosgrove	Akron, US	2020-04-15
Shelia Howard	Tallahassee, Florida, US	2020-04-15
ireland gaynor	Jbsa Ft Sam Houston, US	2020-04-15
Rick Caven	Stratford, Canada	2020-04-15
Lilly Soyars	Aurora, US	2020-04-15
Jason Jeandron	Fredericton, NB, Canada	2020-04-15
Sheryl Smith	Lakefield, Canada	2020-04-15
Krystyna Ross	Toronto, Canada	2020-04-15
Susan Masterman	Dundas, Canada	2020-04-15
Sonia Almeida	Hamilton, Canada	2020-04-15
Bruce Stewart	Halifax, Canada	2020-04-15
SUE JACKSON	Hamilton, Canada	2020-04-15
Russell Croker	Ilford, UK	2020-04-15
Elizabeth Matwey	Kitchener, Canada	2020-04-15
Peter Reissner	Ottawa, Canada	2020-04-15
chris stogios	ancaster, Canada	2020-04-15
Barbara Vedell	Hamilton, Canada	2020-04-15
Jennifer Clark	Cambridge, Canada	2020-04-15
Jason Tavares	Milton, Canada	2020-04-15

Name	Location	Date
Sara Gregory	Ancaster, Canada	2020-04-15
Rhonda Bathurst	London, Canada	2020-04-15
Monica McCrory	Ancaster, Canada	2020-04-15
William Ross	Thunder Bay, Canada	2020-04-15
Jennifer Haverty	Ancaster, on, Canada	2020-04-15
Sarah Knowles	Mount Hope, Canada	2020-04-15
Robert Scheiding	North York, Canada	2020-04-15
Sodden Grider	San Jose, US	2020-04-15
Cary MacMillan	Brantford, Canada	2020-04-15
Deborah Morrison	Hamilton, Canada	2020-04-15
Sheila Russell	Kitchener, Canada	2020-04-15
Jan Nabert	Warkworth, Canada	2020-04-15
Lisa Moore	Ottawa, Canada	2020-04-15
Jill ABEL	Rye Brook, New York, US	2020-04-15
karina ramirez	Miami, US	2020-04-15
anu olukanye	Winnipeg, Canada	2020-04-15
Rafael Urrutia	Atlanta, US	2020-04-15
Gianna Pignatelli	Newark, US	2020-04-15
Brynlee Cotney	US	2020-04-15
James Jensen	Fenton, US	2020-04-15
Andrea Cassis	Hamilton, Canada	2020-04-15
jaedon Hill	Augusta, US	2020-04-15

Name	Location	Date
Robert Liana	Pompano Beach, US	2020-04-15
Miranda Levengood	Ease Sparta, US	2020-04-15
Madison Bratcher	Hubert, US	2020-04-15
Jeremy Mendez	Hialeah, US	2020-04-15
Jordan Foy	Hartford City, US	2020-04-15
dakota armstorng	sheirdan, US	2020-04-15
Demond Brown	Lynchburg, US	2020-04-15
Jack Wen	San Francisco, US	2020-04-15
Leony deGraaf	Burlington, Canada	2020-04-15
Samantha Ginsburg	Hallandale, US	2020-04-15
Alan Brown	Toronto, Canada	2020-04-15
Rhythm Anowar	Edison, US	2020-04-15
Jeff Steel	Minneapolis, US	2020-04-15
jaxon williams	Pensacola, US	2020-04-15
Veda Lawler	Louisville, US	2020-04-15
Bryson Grondin	Lebanon, US	2020-04-15
Morgan M	Roswell, US	2020-04-15
Theresa Morris	Richmond, US	2020-04-15
Debbie Earley	Felton, US	2020-04-15
Milind D'souza	Miami, US	2020-04-15
Ocie Stevenson	Chicago, US	2020-04-15
Joe Mama	Richmond, US	2020-04-15

Name	Location	Date
Nicholas Antoni	Toronto, Canada	2020-04-15
Camila Jimenez	Bronx, US	2020-04-15
Tommy Anderson	Euclid, US	2020-04-15
Fur Vius	Ass, US	2020-04-15
Patrick Ferrie	Sacramento, US	2020-04-15
Hannah Dial	Orlando, US	2020-04-15
Lis Sanz	Las Vegas, US	2020-04-15
Nick Marquez	Orosi, US	2020-04-15
Christian Bashutski	Consort, Canada	2020-04-15
Lisa Lyons	Jasper, US	2020-04-15
Carmen McKinney	Calumet City, US	2020-04-15
Alexis Rose	Haines City, US	2020-04-15
Tracy Jones	North Weymouth, US	2020-04-15
Hydia Griffin	Wichita, US	2020-04-15
Chass Wills	Mount Royal, US	2020-04-15
Nancy Dubin	Bridgehamton, US	2020-04-15
Kris Chua	Harbor City, US	2020-04-15
Amiya Crowe	Bardstown, US	2020-04-15
Kari Morton	Denison, US	2020-04-15
Vincent Pellegrino	Jacksonville, US	2020-04-15
Kevin Conheeney	Red Bank, US	2020-04-15
ANTHONY NICHOLS	Wilmington, US	2020-04-15

Name	Location	Date
Ellem Jaramillo	Elizabeth, US	2020-04-15
Greg Giachetti	Liverpool, New York, US	2020-04-15
Raychel Horst	Portland, US	2020-04-15
MacKenzie Hammons	Saint Henry, US	2020-04-15
Sandra Elizabeth Serrano	Riverside, US	2020-04-15
Benjamin Del Castillo	Rosemead, US	2020-04-15
Patricia Chang	Sunnyvale, US	2020-04-15
Sharon Hooker	Zeeland, US	2020-04-15
Julie Moore	Washington, US	2020-04-15
Sandi P.	US	2020-04-15
Marquelle Keeling	Gardner, US	2020-04-15
P. Joiner	Hadley, US	2020-04-15
Jordan Shaheen	San Francisco, US	2020-04-15
yves M Edeme	Dallas, US	2020-04-15
Dmari Roberts	Saint Petersburg, US	2020-04-15
Daniel Regan	Silver Spring, US	2020-04-15
Kofi Pankey	Yonkers, US	2020-04-15
Mariam Wassef	oakville, Canada	2020-04-15
Carlo Johnson	Covington, US	2020-04-15
Kathleen Wilson	Los Altos, US	2020-04-15
Barbara Correa	Key Biscayne, US	2020-04-15
Mitch Lute	Canton, US	2020-04-15

Name	Location	Date
Deborah Crabtree	Fairfax, US	2020-04-15
Cindi Thone	Clear lake, US	2020-04-15
Rita Pankhurst	Mississauga, Canada	2020-04-15
Aty Doryani	Hamilton, Canada	2020-04-15
Austin Linney	El Paso, US	2020-04-15
king cowboy	Rigby, US	2020-04-15
Natalie Brooks	Cave Creek, US	2020-04-15
Jean Chagnon	Montréal, US	2020-04-15
Alyssa Rose	Stryker, US	2020-04-15
Elias Dilanji	Irvine, US	2020-04-15
Utwana Carter	Raleigh, US	2020-04-15
Paris Smith	Chicago, US	2020-04-15
Luke Eastman	Ogden, US	2020-04-15
elizabeth janusiewicz	Hamilton, Canada	2020-04-15
Tonya Ogletree	Cleveland, US	2020-04-15
George Avrov	Union City, US	2020-04-15
Lillian Breslin	Deptford, US	2020-04-15
Russell Scripter	Cheboygan, US	2020-04-15
Lilly MacDonald	Sydney, Canada	2020-04-15
Eve Gutierrez	Berkeley, US	2020-04-15
Elliot S	Edmonton, Canada	2020-04-15
Maria Valle	Dalton, US	2020-04-15

Name	Location	Date
Chelsea Yost	Carmel, US	2020-04-15
Devin Kochanasz	Portland, US	2020-04-15
Sabrina Rodriguez	Homestead, US	2020-04-15
Samuel Davies	Bowie, US	2020-04-15
Brandon Rosero	Queens, US	2020-04-15
Loretta De Paola	Lasalle, Qc, Canada	2020-04-15
Blake Wise	Belleview, US	2020-04-15
Supreete Ghosh	Winona, US	2020-04-15
Trevor Wyckoff	Midlothian, US	2020-04-15
Tony Valdez	Weatherford, US	2020-04-15
Xin Yuan Guo	Montreal, Canada	2020-04-15
Jamie DeMars	Faribault, US	2020-04-15
Laura Vallejo	Palmdale, US	2020-04-15
Asa Bane	Louisville, US	2020-04-15
Marco Melgar	Huntington, US	2020-04-15
Olivia Rowe	Minneapolis, US	2020-04-15
Kevin Gannon	Snohomish, US	2020-04-15
Arlicia McClain	Chicago, US	2020-04-15
kaleigh taylor	wynne, US	2020-04-15
Jayme Krouth	East Moline, US	2020-04-15
Rhys Cottle-Vinson	Newark, US	2020-04-15
Olivia Cipriani	Denver, US	2020-04-15

Name	Location	Date
Iain MacMillan	Toronto, Canada	2020-04-15
21k. Ericson	Miami, US	2020-04-15
Jose Hernandez	Deltona, US	2020-04-15
Kimberly Traylor	Atlanta, US	2020-04-15
Edward Stevens	Spencer, US	2020-04-15
HOLLY BRUNO	Hamilton, US	2020-04-15
Katherine Hutchins	Phoenix, US	2020-04-15
Frederick Alexander Celemin	Brooklyn, US	2020-04-15
Alyssa Beccari	Orlando, US	2020-04-15
Darren Jordan	Kerens, US	2020-04-15
Caitlyn Jenkins	Bloomington, US	2020-04-15
Lindsey Cooke	Virginia Beach, US	2020-04-15
Mariam Solomon	Sacramento, US	2020-04-15
Rhys Lawson	Tallahassee, US	2020-04-15
Mauricio Zuluaga	Dorchester, US	2020-04-15
George Lynn	Barnstead, US	2020-04-15
ADRIANNA GUZMAN	Cutler Bay, US	2020-04-15
Teddy Peters	Bellingham, US	2020-04-15
Harpreet Kaur	Brampton, Canada	2020-04-15
Ray David Rodriguez	Guayama, US	2020-04-15
Omar Melhem	Fairfax, US	2020-04-15
Ryan Small	Charlotte, US	2020-04-15

Name	Location	Date
Angela Lee	Columbus, US	2020-04-15
Jason Sanchez	Rockford, US	2020-04-15
Bryana Guevara	Orem, US	2020-04-15
Alyssa Himschoot	South Bend, US	2020-04-15
Chris DeBlois	Queensbury, US	2020-04-15
MaryEllen Farrokhi	Seattle, US	2020-04-15
Carrie Hert	Paducah, US	2020-04-15
Assuntina B. Roux	Falls Church, US	2020-04-15
Vanessa Hobbs	New York, US	2020-04-15
Jenny Nguyen	Glendale, US	2020-04-15
Kamil Borowik	Chicago, US	2020-04-15
anna caraballo	Valrico, US	2020-04-15
Crystal Moore	Bessemer City, US	2020-04-15
Elizabeth Tellez	Miami, US	2020-04-15
sam kim	Gaithersburg, US	2020-04-15
Elaine Lau	Kingston, Canada	2020-04-15
Maryline Hirsch	Winter Park, US	2020-04-15
Jack Nguyen	Williamsport, US	2020-04-15
Darren Johnson	Westminster, US	2020-04-15
Travien Eugene	New Iberia, US	2020-04-15
Sheida Gharouninik	Toronto, Canada	2020-04-15
Dominique Naegele Clifford	Boise, US	2020-04-15

Name	Location	Date
Mary McVicker	Fort Wayne, US	2020-04-15
Seth Blossom	Marion, US	2020-04-15
Kevyms Mendez-Cool	Miami, US	2020-04-15
William Mallick	Ferndale, Michigan, US	2020-04-15
Kailash Senthilkumar	Edison, US	2020-04-15
Lotus Cliff	Baltimore, US	2020-04-15
Joshua Dayton	North Liberty, US	2020-04-15
Kevin Rodríguez	Hollywood, US	2020-04-15
Keshana Banister	Orlando, US	2020-04-15
Alfonso Solis	Melrose Park, US	2020-04-15
Laura Engel	Fallbrook, US	2020-04-15
Victor Segura	Montgomery Village, US	2020-04-15
Louis Jordan	Pembroke Pines, US	2020-04-15
Linda Chen	Rowland Heights, US	2020-04-15
Vinny Parrino	Montgomery, US	2020-04-15
Margie Nash	Olympia Fields, US	2020-04-15
Shaelyn Tippens	Delta, US	2020-04-15
John Hill	Brooklyn, US	2020-04-15
Tracy Oregel	Belmont, US	2020-04-15
Daisjanae Howard	Burnsville, US	2020-04-15
Kyle Stinson	Pittsboro, US	2020-04-15
Preston Shaum	US	2020-04-15

Name	Location	Date
Amador Velasco	San Bernardino, US	2020-04-15
Josh Bieger	Mechanicsville, US	2020-04-15
Jennifer Roberts	Halethorpe, US	2020-04-15
Tavia Snyder	Brighton, US	2020-04-15
Jay Cruz	US	2020-04-15
Prince Johnson	Jacksonville, US	2020-04-15
finlay florence	thomson, US	2020-04-15
ed martinez	el paso, US	2020-04-15
Benjamin Watterworth	Danbury, US	2020-04-15
Izaiah Martinez	Hughson, US	2020-04-15
Mathew Nobles	Wewahitchka, US	2020-04-15
Jonathan Carter	Richmond, US	2020-04-15
Kyla Fortune	Bentonville, US	2020-04-15
yatana phew	Jacksonville, US	2020-04-15
Kathy Fieramosca	Staten Island, US	2020-04-15
Leonard Baker	Bronx, US	2020-04-15
katie o'connor	Los Angeles, US	2020-04-15
Andrew McCormick	Fort Wayne, US	2020-04-15
Erich Fleck	Seattle, US	2020-04-15
Akosua Nachelle	Dickinson, US	2020-04-15
Sammy Campis	Dallas, US	2020-04-15
Marcos Reynoso	Bronx, US	2020-04-15

Name	Location	Date
Samuel Roper	Nashville, US	2020-04-15
Konstantin Berkovich	Barrie, Canada	2020-04-15
Sally Iskander	Lutz, US	2020-04-15
Alexandra Arias	Los Angeles, US	2020-04-15
Tammy Fuscardo	Pittsburgh, US	2020-04-15
Rosa Nhep	Murfreesboro, US	2020-04-15
Alana Bond	Indianapolis, US	2020-04-15
Han Tran	Stockton, US	2020-04-15
Lia Ortiz	Tampa, US	2020-04-15
Holly Broere	Spring Hill, US	2020-04-15
Nathaly Alcantara	Las Vegas, US	2020-04-15
Andrew Pletz	Allentown, US	2020-04-15
Lucie Jean-Pierre	Hawthorne, US	2020-04-15
Diana Iniguez	Fort Lauderdale, US	2020-04-15
Frankie Tafuro	Farmingdale, US	2020-04-15
Paul Maxwell	Woburn, US	2020-04-15
Sylvia Hernandez	Anaheim, US	2020-04-15
Sai Sailaja Siddamsetti	Orlando, US	2020-04-15
Colby Gipson	Lima, US	2020-04-15
Heather Ayers	Montgomery, US	2020-04-15
Melissa Vermeulin	Cresson, US	2020-04-15
Robert Duerr	Lorain, US	2020-04-15

Name	Location	Date
Alphonzo Davidson	Annapolis, US	2020-04-15
Hatari Bedard	Cleveland, US	2020-04-15
Mia Oreo	Miami, US	2020-04-15
Shannon Kennedy	Brockville, Canada	2020-04-15
SS	Brampton, Canada	2020-04-15
Rhonda Gulifield	Franklin Park, US	2020-04-15
Cheyenne Horney	Queenstown, US	2020-04-15
Louis Almeida	San Diego, California, US	2020-04-15
Mary Ann Enyinnaya	Alexandria, US	2020-04-15
Amma Gwira	Toronto, Canada	2020-04-15
Maria Sanchez	San Francisco, US	2020-04-15
Salandra Singleton (owner)	Miami Gardens, US	2020-04-15
Ayden Kearns	Edgewater, US	2020-04-15
Christopher O'Connor	Wilmington, US	2020-04-15
Emi Sato	New York, US	2020-04-15
Bruce Beeler	Ashland, US	2020-04-15
Greg Haid	Indianapolis, US	2020-04-15
Marcia Bouillion	New Iberia, US	2020-04-15
Deidra August	Kansas City, US	2020-04-15
Nicole Hoskins	Belleville, US	2020-04-15
Jitendra Shah	Chicago, US	2020-04-15
Aniseh Poyan mehr	Montréal, Canada	2020-04-15

Name	Location	Date
Luke Gillispie	Painesville, US	2020-04-15
Peter Engelbert	Kinburn, Canada	2020-04-15
Claire Swan	Oakville, Canada	2020-04-15
Lidia Grot-Baran	London, Canada	2020-04-15
Terri Clark	Hamilton, Canada	2020-04-15
Marie Patience	London, Canada	2020-04-15
Rudy Perez	Phoenix, US	2020-04-15
DOREEN KING	HAMILTON, Canada	2020-04-15
Kristina D	Stoney Creek, Canada	2020-04-15
Darynne Hagen	Hamilton, Canada	2020-04-15
Cam Brandreth	Ancaster, Canada	2020-04-15
Michele Connor	Kingston, Canada	2020-04-15
Chris Donohue	Mississauga, Canada	2020-04-15
Kristen Eckersley	Peterborough, Canada	2020-04-15
Christine Leakey	Mississauga, Canada	2020-04-15
Kip Brohman	Hamilton, Canada	2020-04-15
Susan Pottruff	Paris, Canada	2020-04-15
Maureen Edge	Ancaster, Canada	2020-04-15
Lynda Head	Caledonia, Canada	2020-04-15
Rebecca Edge	Hamilton, Canada	2020-04-15
Jeff Edge	Ancaster, Canada	2020-04-15
Geoff Hofsink	Mississauga, Canada	2020-04-15

Name	Location	Date
james lasky	Hamilton, Canada	2020-04-15
Arthur Greenblatt	Ancaster, Canada	2020-04-15
Donna Caprice	Hamilton, Canada	2020-04-15
Denyse Koo	Sooke, Canada	2020-04-15
Carole Labelle	Ancaster, Canada	2020-04-15
Carol Morrison	Ancaster, Canada	2020-04-15
Jill Layfield	Orleans, Canada	2020-04-15
Donna Worrall	Ancaster, Canada	2020-04-15
Derrick Stevens	Port Dover, Canada	2020-04-15
Lynn Bruzas	Hamilton, Canada	2020-04-15
Patricia Cheshire	Hamilton, Canada	2020-04-15
Kristen Mark	Hamilton, Canada	2020-04-15
Don Cranston	Toronto, Canada	2020-04-15
Don Davidson	Dundas, Canada	2020-04-15
Lyndon Fournier	Toronto, Canada	2020-04-15
Angela Rendina	Hamilton, Canada	2020-04-15
Janice Frketich	Ancaster, Canada	2020-04-15
John Vernon	Burlington, Canada	2020-04-15
Darcie McGill	Ancaster, Canada	2020-04-15
Ellen Spring	Hamilton, Canada	2020-04-15
Matthew Walker	hamilton, Canada	2020-04-15
Kathleen Hudson	Hamilton, Canada	2020-04-15

Name	Location	Date
Bob Maton	Ancaster, Canada	2020-04-15
Marie Ross	Ancaster, Canada	2020-04-15
Geoff Shaw Shaw	Ottawa, Canada	2020-04-15
Owen Cranston	Toronto, Canada	2020-04-15
William Thomas	Ancaster, Canada	2020-04-15
Jenni Loucks	Hamilton, Canada	2020-04-15
Joseph Peter	Hamilton, Canada	2020-04-15
Kent Kohlberger	Fort Laudrrdale, Florida, US	2020-04-15
Jane Burlanyette	Ancaster, Canada	2020-04-15
John Olmsted	Ancaster, Canada	2020-04-15
Robert Zeidler	Hamilton, Canada	2020-04-15
Mirjana Stevanovic	Stoney Creek, Canada	2020-04-15
Carolyn Gaylord	Hamilton, Canada	2020-04-15
Heather McMurray	Ancaster, Canada	2020-04-15
Cliff Heaney	Waterloo, Canada	2020-04-15
Terri Worron	Hamilton, Canada	2020-04-15
Janette Pace	Ancaster, Ontario, Canada	2020-04-15
Blair Taylor	Cambridge, Canada	2020-04-15
Wesley Radigan	Hamilton, Canada	2020-04-15
Ken East	Douro-Dummer, Canada	2020-04-15
Rowen Baker	Ancaster, Canada	2020-04-15
Lise Kipfer	Dundas, Canada	2020-04-15

Name	Location	Date
Brandon McMurray	Hamilton, Canada	2020-04-16
Andrew Hinshelwood	Salt Spring Island, Canada	2020-04-16
Elizabeth Seymour	Ancaster, Canada	2020-04-16
Lynne Bulger	Ancaster, Canada	2020-04-16
Phyllis Beck	Bridgewater, Canada	2020-04-16
Sue Beckett	Toronto, Canada	2020-04-16
Jim MacLeod	Ancaster, Canada	2020-04-16
Mary Jo Sinclair	Ancaster, Canada	2020-04-16
Brent-Heather Sleightholm	Canada	2020-04-16
John Biggs	Burlington, Canada	2020-04-16
Michael Joy S.C.,M.B.	Dundas, Canada	2020-04-16
Dianne Auty	ancaster, Canada	2020-04-16
Harley Auty	Dundas, Canada	2020-04-16
Zaeem Ghaffar	Mississauga, Canada	2020-04-16
Tracy Prowse	Hamilton, Canada	2020-04-16
Catherine Neville	Ancaster, Canada	2020-04-16
Destany Sessions	Portland, US	2020-04-16
Kimberly Fischer	Chandler, US	2020-04-16
thuy dang	Toronto, Canada	2020-04-16
John Kramer	Marshfield, US	2020-04-16
Tiana Kandic	Toronto, Canada	2020-04-16
Amy Blanco	Sarasota, US	2020-04-16

Name	Location	Date
Brisseida Vaval Pierre Louis	Hollywood, US	2020-04-16
Will Provence	Searcy, US	2020-04-16
Nichole Eberhardt	Sellersville, US	2020-04-16
Kettelyne Pierre	Ajax, Canada	2020-04-16
Agim Demirovski	Staten island, US	2020-04-16
Sandra Cordero	San Juan, US	2020-04-16
Emma Waters	Peterborough, Canada	2020-04-16
Shay Fuentes	waipahu, US	2020-04-16
Anastasia Savage	Aiea, US	2020-04-16
alaina frederick	toledo, US	2020-04-16
Sammie Said	Dearborn, US	2020-04-16
Jennifer Lykins	Chillicothe, US	2020-04-16
Jason C	Staten Island, US	2020-04-16
Kaikeonalani Akau	Ewa Beach, US	2020-04-16
Jennifer Ubeda	Scottsdale, US	2020-04-16
daniel perkins	La Salle, US	2020-04-16
Ciana Nardi	Fort Lauderdale, US	2020-04-16
Keith Minchau	Langley, Canada	2020-04-16
Grace Curlee	Frisco, US	2020-04-16
jeffrey dominguez	Newark, US	2020-04-16
tracy hefner	KNOXVILLE, US	2020-04-16
Kasey Meeks	Cochran, US	2020-04-16

Name	Location	Date
April Kolstad	Amery, US	2020-04-16
Sophia Hudson	Decatur, US	2020-04-16
Samantha Nelson	Satellite Beach, US	2020-04-16
Krystle Hall	Columbus, US	2020-04-16
Ethan Stade	New Ulm, US	2020-04-16
Mandeep Kaur	Montréal, Canada	2020-04-16
Ana Ruvalcaba	San Bernardino, US	2020-04-16
Adam Ginsburg	Salt Lake City, US	2020-04-16
Alexander Vainstein	Montgomery, US	2020-04-16
Tyler Osborne	Pottstown, US	2020-04-16
Christine Camacho	Buffalo, US	2020-04-16
bao nguyen	Springfield, US	2020-04-16
Morgan Edmunson	Arroyo Grande, US	2020-04-16
Aaliyah Roark	Macedonia, US	2020-04-16
Jack Nicoll	Bartlett, US	2020-04-16
sherri hodges	Phoenix, US	2020-04-16
Otar Awatt	Saint Paul, US	2020-04-16
Lavar Howard	Grosse Pointe, US	2020-04-16
Roxie Piatigorski	West Sacramento, US	2020-04-16
Wesley Kuang	San Jose, US	2020-04-16
Shaianne Alexis Bello	Waipahu, US	2020-04-16
Haley Greer	Dayton, US	2020-04-16

Name	Location	Date
Janeth Salazar	London, Canada	2020-04-16
Stephen Norman	Decatur, US	2020-04-16
Larry Bryan	Montgomery, US	2020-04-16
Chris Marasco	New York, US	2020-04-16
eleni demoleas	Union, US	2020-04-16
Isreal Longoria	Salinas, US	2020-04-16
mary schoolcraft	Central Falls, US	2020-04-16
Jose Morales	Fort Lauderdale, US	2020-04-16
My McGuire	Modesto, US	2020-04-16
Detarion Jones	Shreveport, US	2020-04-16
Misty Nabess	Cranbrook, Canada	2020-04-16
Martha Jimenez	San Diego, US	2020-04-16
Myron Booker	Edmonton, Canada	2020-04-16
Lea Miranda	Montréal, Canada	2020-04-16
Farida Amani	Fontana, US	2020-04-16
Aidan fernando	Waialua, US	2020-04-16
Brian Lodato	Toms River, US	2020-04-16
Brenda Olmos	Houston, US	2020-04-16
Racin Smith	Fort Lauderdale, US	2020-04-16
Lesly Lira	Lindsay, US	2020-04-16
Laticia Lovato	Lincoln, US	2020-04-16
Jaiden Darnold	Middleburg, US	2020-04-16

Name	Location	Date
Matias Pegorari	Louisville, US	2020-04-16
vikesh parmar	San Diego, US	2020-04-16
Aliyah Dillon	Cincinnati, US	2020-04-16
Alissa Solomon	Jenison, US	2020-04-16
Grace Hurt	Clarksville, US	2020-04-16
Catie Richardson	N/A, US	2020-04-16
Katelynn Rodriguez	Grand Island, US	2020-04-16
Angela Agnew	Shreveport, US	2020-04-16
Bailey Kuster	Orient, US	2020-04-16
Gail Lovig	Fanny Bay, Canada	2020-04-16
karlie bowman	Scottsdale, US	2020-04-16
Walter Singh	Toronto, Canada	2020-04-16
Ian Guzman	Tampa, US	2020-04-16
Isabella Mayorga	Toledo, US	2020-04-16
Ryan Olson	Minneapolis, US	2020-04-16
Cornelia Poncos	Ottawa, Canada	2020-04-16
CORY Dunne	Butte, US	2020-04-16
Allonzo Paige	Rochester, US	2020-04-16
Jordan Carlson	Minneapolis, US	2020-04-16
Yen Le	Kirkland, US	2020-04-16
Christina Massingale	Austin, US	2020-04-16
Quincy Hatten	Omaha, US	2020-04-16

Name	Location	Date
Karen Jorgenson	Union, US	2020-04-16
Jack Frost	Mississauga, Canada	2020-04-16
Fausat Oyerinde	Toronto, Canada	2020-04-16
Trace Henry	US	2020-04-16
Jugg Prince	Cincinnati, US	2020-04-16
morgan sachs	Elkhorn, US	2020-04-16
Rob Williams	Iowa City, US	2020-04-16
Bernard Phan	Houston, US	2020-04-16
nicholas wurster	martinez, US	2020-04-16
Victoria Everest	Sechelt, Canada	2020-04-16
Stephen McDonald	Iroquois, Canada	2020-04-16
Sebina Ali	Warren, US	2020-04-16
Destinee Hutchinson	Post falls, US	2020-04-16
Dekesha Tabbal	Keaau, US	2020-04-16
Kaitlin Hathaway	Rochester, US	2020-04-16
Alison-Marie Hufana	Honolulu, US	2020-04-16
Langdon Killmeier	Louisville, US	2020-04-16
Fujitani Calista	Honolulu, US	2020-04-16
Kabua Kabua	Honolulu, US	2020-04-16
Bill Cosby	Omaha, US	2020-04-16
Fu Fan Pedel	Tonawanda, US	2020-04-16
MD Islam	Hamtramck, US	2020-04-16

Name	Location	Date
Jasmine Coy	Aiken, US	2020-04-16
TyAnna Allen	Ypsilanti, US	2020-04-16
FREDERICK Bianculli	Islip Terrace, US	2020-04-16
Bob Billy	Oceanside, US	2020-04-16
Joshua Backmann	De Pere, US	2020-04-16
Joey Gonzalez	Florida, US	2020-04-16
sharaea tanaka	laie, US	2020-04-16
Micayla Westner	New Bedford, US	2020-04-16
Brysen Calkins	Kaneohe, US	2020-04-16
Cody Nelson	Zimmerman, US	2020-04-16
Chad White	Dieppe, Canada	2020-04-16
Kylee Varela	Hollywood, US	2020-04-16
Arian Delosarcos	Miami, US	2020-04-16
Patricia Samano	Queens, US	2020-04-16
Bryson Miller	Lincoln, US	2020-04-16
Zack Thatcher	Fountain Valley, US	2020-04-16
Alexandra Planes	Elizabeth, US	2020-04-16
Marielle Cedeno	South Gate, US	2020-04-16
Jason Iyamu	Aubrey, US	2020-04-16
Shadia Sorno	Fort Lauderdale, US	2020-04-16
Cathy Taylor	Minden, Canada	2020-04-16
James Farrauto	Burlington, Canada	2020-04-16

Name	Location	Date
Natalie Stonehouse	Livermore, Maine, US	2020-04-16
Cheryl McMullan	Ancaster, Canada	2020-04-16
stephanie milic	Hamilton, Canada	2020-04-16
Andrea MacArthur	Ancaster, Canada	2020-04-16
Elina Ante	Los Angeles, US	2020-04-16
Rachel Masker	Port Jervis, US	2020-04-16
Mariola Moore	Brantford, Canada	2020-04-16
Harbans Dullet	Mississauga, Canada	2020-04-16
ralphie beam	Fort Ashby, US	2020-04-16
Dianna Wilson	Owosso, US	2020-04-16
William Milner	Ottawa, Canada	2020-04-16
Syraida Morales Rodriguez	Orlando, US	2020-04-16
Oluwadare Akinmusire	Minneapolis, US	2020-04-16
Sara Church	De Kalb, US	2020-04-16
ave snyder	Lykens, US	2020-04-16
Margaret Reid	Markham, Canada	2020-04-16
Rachel Dotterweich	Pawtucket, US	2020-04-16
hannah freeman	column, US	2020-04-16
Brooke Dewing	chanhassen, US	2020-04-16
barbara dunslow	Toronto, Canada	2020-04-16
Donovan Davis	Cincinnati, US	2020-04-16
Joel Favor	San Diego, US	2020-04-16

Name	Location	Date
Doug Wilson	Chebanse, US	2020-04-16
Kyler Rackett	Springboro, US	2020-04-16
Naseem Hijazi	Calgary, Canada	2020-04-16
Michelle Cox	Kansas City, US	2020-04-16
rocelita duzob	Toronto, Canada	2020-04-16
Kavitha Seenivasan	Irvine, US	2020-04-16
Andrea Sparling	Mansonville, Canada	2020-04-16
Timothée Chalamet	Fort Wayne, US	2020-04-16
Devin Cook	Palm Bay, US	2020-04-16
Samantha Westra	Miami, US	2020-04-16
Hang Nguyen	Cypress, US	2020-04-16
Bernard Frison	Chula Vista, US	2020-04-16
Isabell Richardson	Concord, US	2020-04-16
Annie Nesbit	Washington, US	2020-04-16
gabriela zamudio	Dallas, US	2020-04-16
Gigi Grant	Calgary, Canada	2020-04-16
Gracen Gerold	Colfax, US	2020-04-16
Ken Wright	Montréal, Canada	2020-04-16
Ella Foster	Decatur, US	2020-04-16
alex piedra	New York, US	2020-04-16
Taylor Canon	Osage Beach, US	2020-04-16
paige dieken	Lincoln, US	2020-04-16

Name	Location	Date
Sandra M	Hamilton, Canada	2020-04-16
Kevin Lopez	Apopka, US	2020-04-16
Lisa Wall	Steinbach, Canada	2020-04-16
Kaden Miller	West Union, US	2020-04-16
Rasta Dan	Philadelphia, US	2020-04-16
Syed Azaz AlHasanie-semnani	New Hartford, US	2020-04-16
Maria De Souza	Montreal, Canada	2020-04-16
Samson Morell	lithia springs, US	2020-04-16
Linda Carolan	Dundas, Canada	2020-04-16
Adonai Garcia	Kerman, US	2020-04-16
Bev Abbey	Hamilton, Canada	2020-04-16
Ramia Wahbeh	Dearborn Heights, US	2020-04-16
Karen Yung	Charlotte, US	2020-04-16
Mia Reyes	Houston, US	2020-04-16
Bonnie Provorse	Palmyra, US	2020-04-16
Kantar Dio	Toronto, Canada	2020-04-16
Aaliyah Jackson	Atlanta, US	2020-04-16
Rayshawnda Gause	Chattahoochee, US	2020-04-16
Ana Braden	Brampton, Canada	2020-04-16
sharon Yiu	Mississauga, Canada	2020-04-16
Yuka Aguilar	Sammamish, US	2020-04-16
Edurado Perez	US	2020-04-16

Name	Location	Date
Anna Laboy	Adairsville, US	2020-04-16
Saron Mosley	Tampa, US	2020-04-16
Ken Vis	Hamilton, Canada	2020-04-16
Gosia Staunches	Queensbury, US	2020-04-16
Krish Patel	Edmonton, Canada	2020-04-16
Jazi Azher	Mississauga, Canada	2020-04-16
Kelsi Clark	Grand Rapids, US	2020-04-16
Tommie Johnson	Costa Mesa, US	2020-04-16
Katerina Herbert	Kaysville, US	2020-04-16
Grace Willis	Vincennes, US	2020-04-16
Grant Vernon	Round Rock, US	2020-04-16
Aaron Greco	Dallas, US	2020-04-16
Brooke Sanders	Brooksville, US	2020-04-16
Gabriella Brown	Chicago, US	2020-04-16
Hassan Raza	Winnipeg, Canada	2020-04-16
Coen Woodward	Mount Vernon, US	2020-04-16
Stace Tenuta	Dillsburg, US	2020-04-16
Jillian Tavares	Mansfield, US	2020-04-16
líam neeson	US	2020-04-16
Brock Snow	Minneapolis, US	2020-04-16
Robert Hernandez	Denver, US	2020-04-16
Brendan Meadows	Vancouver, Canada	2020-04-16

Name	Location	Date
Stefan Taylor	Tampa, US	2020-04-16
Aliyah Martinez	West Palm Beach, US	2020-04-16
Robert Keefe	Pittston, US	2020-04-16
Monica Young	Ft pierce, US	2020-04-16
Svenja Bulion	Steinbach, Canada	2020-04-16
Kevin Sotelo	Loomis, US	2020-04-16
Alyndria Shovels	Lansing, US	2020-04-16
Cecilia Alvarez	Sacramento, US	2020-04-16
Michael Cole	Tremont, US	2020-04-16
Amerina Baca	Albuquerque, US	2020-04-16
larry toman	Toronto, Canada	2020-04-16
lisa hernandez	Saginaw Charter Township, US	2020-04-16
Nevaeh Guzman	Watskea, US	2020-04-16
Davd Wirth	Brown. City, US	2020-04-16
rachael Glogovsky	Lake Geneva, US	2020-04-16
Hannah Aderholt	Redondo Beach, US	2020-04-16
Yadira Flores	Phoenix, US	2020-04-16
Jamea Williams	Freeport, US	2020-04-16
Richard Budde	West Babylon, US	2020-04-16
Janice Giampaoli	Chico, US	2020-04-16
Tayla Robinson	Santa Clara, US	2020-04-16
Gerardo Gomez	Fort Lauderdale, US	2020-04-16

Name	Location	Date
Christina Hatton	Columbus, US	2020-04-16
Erik Harvey	Denver, US	2020-04-16
steve whitaker	Ancaster, Canada	2020-04-16
Riley Yee	Bethlehem, US	2020-04-16
Olivia Simmons	Randolph, US	2020-04-16
Patience Moad	Mountain home, US	2020-04-16
Anthony Okeibunor	Ottawa, Canada	2020-04-16
Kyle Graham simmons	Toronto, Canada	2020-04-16
Tara Gurung	Seattle, US	2020-04-16
Crystal snyder	West newton, US	2020-04-16
Cindy Dos santos	Wildomar, US	2020-04-16
Zahmia Leggs	Pensacola, US	2020-04-16
Shirley Zink	Hawthorne, US	2020-04-16
Gavin Layton	Saint Michael, US	2020-04-16
Abigay Gomez Rodriguez	Las Vegas, US	2020-04-16
Austin Gilbertson	Lincoln, US	2020-04-16
Sharon Nissen	Seguin, Canada	2020-04-16
Anu A	Houston, US	2020-04-16
Casarina Lockhart	Sudbury, Canada	2020-04-16
kaleb richmond	South Jordan, US	2020-04-16
Deborah Adeonigbagbe	Houston, US	2020-04-16
Nancy Nuhaily	Newport Beach, US	2020-04-16

Name	Location	Date
Emily Vassallo	Mahwah, US	2020-04-16
Mohammed Almaliki	Syracuse, US	2020-04-16
Ian Dooley	Amelia, US	2020-04-16
Sireace Johnson	Columbus, US	2020-04-16
Anabella Fernandez	Miami, US	2020-04-16
David Wise	Aiken, US	2020-04-16
Rachel Molina	Aurora, US	2020-04-16
Tony Yeomans	Carlisle, US	2020-04-16
Jayda Garcia	Fishers, US	2020-04-16
Dylan Weng	Philadelphia, US	2020-04-16
Preston Lee	Longmont, US	2020-04-16
Daynah Simmons	Atlanta, US	2020-04-16
Adebayo Mustapha	Toronto, Canada	2020-04-16
Cam Chow	Redding, US	2020-04-16
Kristen Cole	Fort Worth, US	2020-04-16
John Hadden	Hyattsville, US	2020-04-16
Lauren Hiddo	Miami, US	2020-04-16
Elizabeth Clegg	Etna, US	2020-04-16
Marissa Figueroa	Santa Ana, US	2020-04-16
Tamara Tomlinson	Tujunga, US	2020-04-16
Shaela Warfield	Trenton, US	2020-04-16
Tara Johnson	Bowling Green, US	2020-04-16

Name	Location	Date
Linda Thomas	Glasgow, US	2020-04-16
Beau Cooper	Edgewater, US	2020-04-16
Ava Roche	Rate ton, US	2020-04-16
Myjai Baker	Tampa, US	2020-04-16
Zack Boyce	Aurora, US	2020-04-16
Anthony Trotta	Bronx, US	2020-04-16
Patrick Anderson	San Jose, US	2020-04-16
Destiny Benavides	San Antonio, US	2020-04-16
Humaira Saiyed	Chicago, US	2020-04-16
Eric Coy	German Valley, US	2020-04-16
Greta Meyerhof	San Clemente, US	2020-04-16
Damien Borrego	Chicago, US	2020-04-16
Manar Simren	Warner, US	2020-04-16
Athens Wu	West Vancouver, Canada	2020-04-16
Nanette & Tom hart	bronx, US	2020-04-16
Kassandra Herrera	Hinesville, US	2020-04-16
Fred Rodriguez	Grand Jct, US	2020-04-16
Neil Walls	Red Deer, Canada	2020-04-16
shenia morgan	Homestead, US	2020-04-16
Nicholas Bulusan	Pearl City, US	2020-04-16
Rupinder Mehrok	Surrey, Canada	2020-04-16
Ryan Lee	Miami, US	2020-04-16

Name	Location	Date
Dahlia Pike	Brampton, Canada	2020-04-16
Julian Davis	Fort Lauderdale, US	2020-04-16
Fati Fati	San Diego, US	2020-04-16
Kate White	Dayton, US	2020-04-16
Isabella Castano	Lithonia, US	2020-04-16
linda norris	Pasadena, US	2020-04-16
Kenneth Gerdes	New York, US	2020-04-16
Juvencio Dominguez	Los Angeles, US	2020-04-16
Taylor Mason	Lakeland, US	2020-04-16
Luis Acevedo	Miami, US	2020-04-16
KOWNSIL GANPAT	Brampton, Canada	2020-04-16
SharaLee Podolecki	Winnipeg, Canada	2020-04-16
Paola Chavez	Indianapolis, US	2020-04-16
Andrew Tierney	Denver, US	2020-04-16
Coach Arc	Modesto, US	2020-04-16
Austin Evans	Dayton, US	2020-04-16
Jenni Jerread	Phoenix, US	2020-04-16
Shane Wallace	Springfield, US	2020-04-16
Brandon Taylor	Cardwell, US	2020-04-16
avery haag	Monticello, US	2020-04-16
Cyril Jeremie	Malden, US	2020-04-16
Massie Block	Milton, Canada	2020-04-16

Name	Location	Date
Camden Gregorio	Broadview Heights, US	2020-04-16
Christina Johnson	Roanoke, US	2020-04-16
Sophia Dean	Toronto, Canada	2020-04-16
Doris Cho	La Mirada, US	2020-04-16
Ashok Manga	Surrey, Canada	2020-04-16
jada smith	Sioux Falls, US	2020-04-16
Mariah Swavel	Forest, US	2020-04-16
Drake Doyel	Omaha, US	2020-04-16
Sin Park	Atlanta, US	2020-04-16
Sherry Ritchey	Portage, US	2020-04-16
Lily M	Ewa Beach, US	2020-04-16
Alyssa Havens	Houston, US	2020-04-16
elizabeth paniagua	guaynabo, US	2020-04-16
Rhonda Snyder	Graysville, US	2020-04-16
Melanie Reeves	Caroline, Canada	2020-04-16
Jana Whitaker	Dundas, Canada	2020-04-16
Dave Davis	Dundas, Canada	2020-04-16
Luisa Petti	Laval, Canada	2020-04-16
Alan Wyatt	Hamilton, Canada	2020-04-16
carol WILLICK	Niagara Falls, Canada	2020-04-16
Catherine Stonehouse	Caledonia, Canada	2020-04-16
Peter Newton	Hamilton, Canada	2020-04-16

Name	Location	Date
Maxine Morris-Zecchini	Ancaster, Canada	2020-04-16
Buffy Ertl	Canada	2020-04-16
Robert Brownlie	Hamilton, Canada	2020-04-16
Brett Marrow	Dundas, Canada	2020-04-16
Andy Jones	Wingham, Canada	2020-04-16
Cory Tucker	Stirling, Canada	2020-04-16
Jacqueline Palumbo	Lakewood, New Jersey, US	2020-04-16
Michele LaPorte	Schaumburg, Illinois, US	2020-04-16
Greg Gregoriou	Ancaster, Canada	2020-04-16
Janet Goldblatt Holmes	Barrie, Canada	2020-04-16
Wai ching Ma	Calgary, Canada	2020-04-17
Brent Tennant	Ancaster, Canada	2020-04-17
Heather Bull	Ancaster, Canada	2020-04-17
Laura Zarek	Hamilton, Canada	2020-04-17
Bryan Pipe	Dundas, Canada	2020-04-17
Shelley Crossman	Burlington, Canada	2020-04-17
Paula Thomas	Toronto, Canada	2020-04-17
JerryAnn Clifford	Dundas, Canada	2020-04-17
Ian Hanna	Ancaster, Canada	2020-04-17
Patrick Carter	Ancaster, Canada	2020-04-17
Paul Blackburn	Elizabethtown, Kentucky, US	2020-04-17
John Moszyk	St Louis, Missouri, US	2020-04-17

Name	Location	Date
Doug McLennan	Ancaster, Canada	2020-04-17
Martha Rivera	Plano, Texas, US	2020-04-17
Glenn Brown	Richmond, Canada	2020-04-17
Pat Doig	Saskatoon, Canada	2020-04-17
Elizabeth Collins	Oshawa, Canada	2020-04-17
Doug Rodger	Toronto, Canada	2020-04-17
Adam Zarek	Olds, Canada	2020-04-17
Sandy Tod	RR2 Lynden, Canada	2020-04-17
NA	South Porcupine, Canada	2020-04-17
Edward Sirman	Ancaster, Canada	2020-04-17
Marilyn Holden	Midland, Canada	2020-04-17
Tony Opie	Hamilton, Canada	2020-04-17
Robert Hill	Toronto, Canada	2020-04-17
ernie stapleton	Ancaster, Canada	2020-04-17
Margie Davidson	Dundas, Canada	2020-04-17
James Davidson	Ancaster, Canada	2020-04-17
Emily Davidson	Ancaster, Canada	2020-04-17
Ginni Sirman	Ancaster, Canada	2020-04-17
Linda Daniels-Smith	Ancaster, Canada	2020-04-17
DIANA MAYERLY Vargas Perez	Québec, Canada	2020-04-17
wendy burnham	ottawa, Canada	2020-04-17
Bill & Bobbie Vaughan	Dundas, Canada	2020-04-17

Name	Location	Date
Tom Tweedie	Ancaster, Canada	2020-04-17
sean boyer	Burlington, Canada	2020-04-17
Geoff Holdway	Ancaster, Canada	2020-04-17
Jan Brown	Ancaster, Canada	2020-04-17
Taylor Stapleton	Hamilton, Canada	2020-04-17
NA	Hamiltton, Canada	2020-04-17
Landon Moroz	Orleans, Canada	2020-04-17
Mary Alice Wever	Hamilton, Canada	2020-04-17
chris kruter	Dundas, Canada	2020-04-17
Linda Dobson	Niagara Falls, Canada	2020-04-17
Fran Greco	Hamilton, Canada	2020-04-17
Diane Bartlett	Hamilton, Canada	2020-04-17
Mike Kelly	Ancaster, Canada	2020-04-17
Beth Popovic	Hamilton, Canada	2020-04-17
jim newton	Ancaster, Canada	2020-04-17
Sarah Stewart	Dundas, Canada	2020-04-17
Nancy Benedict	Ancaster, Canada	2020-04-17
Patricia Taylor-Pilotti	Stoney Creek, Canada	2020-04-17
Sukhjeet Maan	Surrey, Canada	2020-04-17
Kathleen Garland	Hamilton, Ontario, Canada	2020-04-17
Sofia Solomita	Laval, Canada	2020-04-17
Becky Stapleton	Ancaster, Canada	2020-04-17

Name	Location	Date
Samir Rifaat	Ancaster, Canada	2020-04-17
John Bennett	Toronto, Canada	2020-04-17
Cat Kieu	Charlottetown, Canada	2020-04-17
Bradley Davis	Ancaster, Canada	2020-04-17
Scott Collin	Ancaster, Canada	2020-04-17
Alessandra Iafolla	Winnipeg, Canada	2020-04-17
Howie Keown	Dundas, Canada	2020-04-18
Carl Lampman	Toronto, Canada	2020-04-18
Kate Meiler	Hamilton, Canada	2020-04-18
Bryan Ransberry	Brantford, Canada	2020-04-18
Joe Lapointe	Toronto, Canada	2020-04-18
nancy henderson	Hamilton, Canada	2020-04-18
Tim Wilson	Hamilton, Canada	2020-04-18
Matthew Ursue	Hamilton, Canada	2020-04-18
Sandra Pellegrini	Toronto, Canada	2020-04-18
Holly Hutton	Hamilton, Canada	2020-04-18
Kelly Stewart	Thornhill, Canada	2020-04-18
Jen Laszchuk	Winnipeg, Canada	2020-04-18
Inderpreet Singh	Edmonton, Canada	2020-04-18
Manuela Baffour	Hamilton, Canada	2020-04-18
Karen Siebold	Calgary, Canada	2020-04-18
Kieran Kearns	State College, US	2020-04-18

Name	Location	Date
Seblewongel Negussie	Scarborough, Canada	2020-04-18
Jakiya Shirley	Columbus, US	2020-04-18
Alethia Stimpfle	Montpelier, US	2020-04-18
Ashley Martinez	Allentown, US	2020-04-18
Attiqa Quraishi	Brampton, Canada	2020-04-18
Daunte Henderson	Chicago, US	2020-04-18
Sami Iqbal	Toronto, US	2020-04-18
Azad Ali	US	2020-04-18
Rachel Kostohryz	Valley City, US	2020-04-18
Kimberley Lovell	Ottawa, Canada	2020-04-18
Catherine Torrese Benyi	Toronto, Canada	2020-04-18
Brooklynn Sanders	Akron, US	2020-04-18
Jeremey Bing	Brooklyn, US	2020-04-18
Mia Sembrano	Calgary, Canada	2020-04-18
Bree Lynch	Middletown, US	2020-04-18
Armando Urquide	HILLSIDE, US	2020-04-18
Vanessa Martin	Cleveland, US	2020-04-18
Alexiana Polk	Cleveland, US	2020-04-18
Charles Pienaar	Latrobe, US	2020-04-18
Quinn Boyle	Belalire, US	2020-04-18
cecelia mcclennon	Springfield, US	2020-04-18
Willy Wanker	Bell Gardens, US	2020-04-18

Name	Location	Date
MD ANISUL ISLAM	Scarborough, Canada	2020-04-18
Nasir Harris	Chicago, US	2020-04-18
Winter Michael	Columbus, US	2020-04-18
Aribah Raza	Columbus, US	2020-04-18
Kristine Schinkelshoek	Stratford, Canada	2020-04-18
Hannah Jackson	Hazel Crest, US	2020-04-18
Santiago Gutierrez	Chicago, US	2020-04-18
Rodelene Angela Celestial	Lloydminster, Canada	2020-04-18
Jamari Cozart	Chicago, US	2020-04-18
Tamya Branch	Reynoldsburg, US	2020-04-18
Dionna Wilder	Waltham, US	2020-04-18
anon banon	US	2020-04-18
mackensi wilson	Springfield, US	2020-04-18
Tucker Ore	Eden, US	2020-04-18
Alleah Morgan	Country club hills, US	2020-04-18
Uju Dieke	Lévis, Canada	2020-04-18
Yaretcy Coria	Columbus, US	2020-04-18
Whoosh Whoosh	Denver City, US	2020-04-18
Brooklyn Tilton	West Carrollton, US	2020-04-18
Kaila Patton	Chicago, US	2020-04-18
Brygida Tillman	Chicopee, US	2020-04-18
Keohuokanalu English	Waianae, US	2020-04-18

Name	Location	Date
Eloy Sanchez	Columbus, US	2020-04-18
Yenihtzi Manzo	Marysville, US	2020-04-18
Rebecca Cheng	Calgary, Canada	2020-04-18
Ayobami Ojo	Brampton, Canada	2020-04-18
Stevana Sego	Tomahawk, US	2020-04-18
David Scarpero	West Carrollton, US	2020-04-18
Ahmya White	Chicago, US	2020-04-18
aliyana vazquez	Cleveland, US	2020-04-18
Robert Handelman	peekskill, US	2020-04-18
Dominic Borchmann	San Dimas, US	2020-04-18
Kayla Davis	Chicago, US	2020-04-18
Sarah R	Bronx, US	2020-04-18
Casheez Williams	Columbus, US	2020-04-18
Fairdous Mekonnen	Plano, US	2020-04-18
abisail lombera	Paramount, US	2020-04-18
Nuru Katengeke	Toronto, Canada	2020-04-18
Don Juann	Cleveland, US	2020-04-18
Cam James	Jamestown, US	2020-04-18
Honesty Anique	Canton, US	2020-04-18
peter cuong nguyen	Whittier, US	2020-04-18
Aida Vazquez	Chicago, US	2020-04-18
Marvin Bell Jr	Chicago, US	2020-04-18

Name	Location	Date
Lorena Luna resendiz	El Paso, US	2020-04-18
nailah porter	Park Forest, US	2020-04-18
Emily Brooks	Grand Island, US	2020-04-18
esmeralda ramos	Columbus, US	2020-04-18
Megan Lukaszuk	Chicago, US	2020-04-18
Patience Ogundare	Columbus, US	2020-04-18
Nae Nae	Cleveland, US	2020-04-18
Lamont Lewis	Chicago, US	2020-04-18
alex rios	Minneapolis, US	2020-04-18
Jazmin C	North Hills, US	2020-04-18
Ana Montoya	Columbus, US	2020-04-18
ciera emerson	Dayton, US	2020-04-18
Celeena Chavis	Columbus, US	2020-04-18
Aralon Glover	Blacklick, US	2020-04-18
Shermar Lindsey	Columbus, US	2020-04-18
Kaleb Stechschulte	Lima, US	2020-04-18
Tegegn Kassa	Toronto, Canada	2020-04-18
Mustaan Rashid	Calgary, Canada	2020-04-18
Ailed Garza	Mckinney, US	2020-04-18
Damiyah Williams	US	2020-04-18
Said Mouhtajy	Toronto, Canada	2020-04-18
mia davis	circleville, US	2020-04-18

Name	Location	Date
edward gaston	Toledo, US	2020-04-18
KaLyn Fagan	Philadelphia, US	2020-04-18
Kenneth Shelton	Omaha, Nebraska, US	2020-04-18
Destiny Velasquez	Cicero, US	2020-04-18
Jeff Imbriani	Crestline, US	2020-04-18
Davion Pruitt	Chicago, US	2020-04-18
Jalen Headly	Chicago, US	2020-04-18
Tristian Bell	Calgary, Canada	2020-04-18
Tamiya Hobbs	Chicago, US	2020-04-18
Alejandro Rocha	San Diego, US	2020-04-18
Carolyn Scott	Orlando, US	2020-04-18
Armando Diamano	Westchester, US	2020-04-18
Alex Perez	Reeseville, US	2020-04-18
Jim Jenkins	Detroit, US	2020-04-18
Jerren Skinner	Flossmoor, US	2020-04-18
Joanthan Mendez-Morales	Maywood, US	2020-04-18
Olubukola OKE	Toronto, Canada	2020-04-18
Deborah Baldwin	Calgary, Canada	2020-04-18
Megan Wassberg	Terre Haute, US	2020-04-18
Vipanpreet Kaur	Roseville, US	2020-04-18
James Horton	Roanoke, US	2020-04-18
Owl 27	Macungie, US	2020-04-18

Name	Location	Date
Abby Kellett	Utica, US	2020-04-18
Morgan Shultz	Brunswick, US	2020-04-18
Amourr Renaee	Chicago, US	2020-04-18
Jesus Ramirez	Boise, US	2020-04-18
Madelyn Wercinski	Waupun, US	2020-04-18
Bella Holt	Deerfield, US	2020-04-18
minh d	US	2020-04-18
A'Lora Giono	Butte, US	2020-04-18
Mounika Nagabhyru	Montréal, Canada	2020-04-18
Emiley Sturgill	Columbus, US	2020-04-18
Lisa Young	Chicago, US	2020-04-18
DAnna Smith	Cleveland, US	2020-04-18
Sara Peccia	Portland, US	2020-04-18
Emily Guan	Cupertino, California, US	2020-04-18
Ruth Abebe	Falls Church, US	2020-04-18
Candy Yang	Markham, Canada	2020-04-18
Jordan Gerritsen	Pickerington, US	2020-04-18
Victoria Wynyard	Youngstown, US	2020-04-18
Alexander Greco	Cooper City, US	2020-04-18
kylie brooks	Los Angeles, US	2020-04-18
Bobbie Metz	Emlenton, US	2020-04-18
Kayla Murphy	Massillon, US	2020-04-18

Name	Location	Date
Tess Colvin	Midwest city, US	2020-04-18
Jason Regnier	Lansing, US	2020-04-18
Kristine Valdez	Dallas, US	2020-04-18
Tayshaun Howard	Bolingbrook, US	2020-04-18
Annette Garcia	Chicago, US	2020-04-18
Joe Zanni	Struthers, US	2020-04-18
Kayla Morrison-Pendell	Mount Pleasant, US	2020-04-18
Ronald Redd	Warren, US	2020-04-18
Tim Maurer	Anaheim, US	2020-04-18
Kahalia Griffin	US	2020-04-18
Carlos Galdamez	Columbus, US	2020-04-18
Zyonnia Thompson	Columbus, US	2020-04-18
Rayne Finney	Geneva, US	2020-04-18
Laiba Aftab	Farrockaway, US	2020-04-18
Mike Austin	Goderich, Canada	2020-04-18
Jonathan Santoro	Chicago, US	2020-04-18
Chetan Vaholiya	Montréal, Canada	2020-04-18
Paul Arendt	Tracy, US	2020-04-18
Yohannes Tesfay	Reynoldsburg, US	2020-04-18
briana biller	Akron, US	2020-04-18
Malek Butler	Beachwood, US	2020-04-18
Chachi Jolly	Clarendon Hills, US	2020-04-18

Name	Location	Date
Donnaejah Mcrae	Philadelphia, US	2020-04-18
Bryan Morales	Lawndale, US	2020-04-18
Keyante Ferrell	Flossmoor, US	2020-04-18
Angel Maldonado	Naples, US	2020-04-18
Susan Chan	Toronto, Canada	2020-04-18
Cynthia Crowe	Saskatoon, Canada	2020-04-18
Evelyn Lopez	El Paso, US	2020-04-18
Armya Luckett	Oak Forest, US	2020-04-18
Natalie Odeen	Geneseo, US	2020-04-18
Milton Haughton	Hoboken, New Jersey, US	2020-04-18
Syd Kwan	Calgary, Canada	2020-04-18
Toby Taylor	Fostoria, US	2020-04-18
wyatt bozarth	San Diego, US	2020-04-18
Arzu Shakhmamedova	Los Angeles, US	2020-04-18
migdaliz torres	Youngstown, US	2020-04-18
Eva Guyette	Windham, US	2020-04-18
Gary Singh	Sacramento, US	2020-04-18
kayshaira harris	Columbus, US	2020-04-18
Josh Osting	Verona, US	2020-04-18
Jose Adorno	Cleveland, US	2020-04-18
Mike Kertesz	Georgetown, Canada	2020-04-18
Sophia Zheng	Flushing, US	2020-04-18

Name	Location	Date
Quinn Watts	Bend, US	2020-04-18
Brennan Lawson	Grove City, US	2020-04-18
Armani Phillips	Chicago, US	2020-04-18
Isatou Sey	Chicago, US	2020-04-18
Charlie Kiger	US	2020-04-18
Patrick jones	Monroe, US	2020-04-18
Kyvon Thomas	Hazel Creat, US	2020-04-18
Keef Cooper	Philadelphia, US	2020-04-18
Valeria Reyes	Los Angeles, US	2020-04-18
Andrew Rice	Blacklick, US	2020-04-18
Macy demichael	New Lenox, US	2020-04-18
Baleah Goldsmith	Zanesville, US	2020-04-18
Allison Villalobos	Glen Cove, US	2020-04-18
Carissa Wade	Pickerington, US	2020-04-18
Olivia Lozano	Cincinnati, US	2020-04-18
Taniya Calloway	Dayton, US	2020-04-18
Ommy Ledee-Gonzalez	Stroudsburg, US	2020-04-18
Sasha Gonzalez	Chicago, US	2020-04-18
Hamayoon Ashraf	Brampton, Canada	2020-04-18
Fatir Sheikh	Stamford, US	2020-04-18
Dan Tor	Little Rock, US	2020-04-18
Jarrod Lewis	Louisville, US	2020-04-18

Name	Location	Date
Amelia Wilson	Fort Erie, Canada	2020-04-18
Mark Helmuth	Arthur, US	2020-04-18
Amber Caruthers	Minerva, US	2020-04-18
Clinton Peyton	Buffalo, US	2020-04-18
Grace Donovan	Lake Forest, US	2020-04-18
Nicholas Biamonte	Girard, US	2020-04-18
Jamila Jones	Dublin, US	2020-04-18
William Friedman	Akron, US	2020-04-18
Kejuan Lucious	Irving, US	2020-04-18
Mya Duke	Fostoria, US	2020-04-18
Evelyn Sosa	Orlando, US	2020-04-18
Syd Lewis	Calgary, Canada	2020-04-18
Morgan Gabbert	Columbus, US	2020-04-18
Dinesh Vashisht	Brampton, Canada	2020-04-18
Gloria Pitts	Forest Park, US	2020-04-18
Joe Gravley	Valencia, US	2020-04-18
Cynthia Watson	Ancaster, Canada	2020-04-18
April Abundo	Quezon City, Philippines	2020-04-18
Rob Krenos	Ancaster, Canada	2020-04-18
Hermina Krenos	Ancaster, Canada	2020-04-18
Kelly Skerritt	Hamilton, Canada	2020-04-18
Ann Capling	Ancaster, Canada	2020-04-18

Name	Location	Date
Susan Bernard	Dundas, Canada	2020-04-18
Michelle Richard	Moncton, Canada	2020-04-18
flora mason	Hamilton, Canada	2020-04-18
George Knowles	Toronto, Canada	2020-04-18
Sam Miller	Dundas, Canada	2020-04-18
Sabrina Bell	Edmonton, Canada	2020-04-18
Russell Johnson	Orlando, US	2020-04-18
Ray Quadros Fernandes Guge	London, Canada	2020-04-18
Alec Devito	Holmen, US	2020-04-18
Abigail Geswein	Otterbein, US	2020-04-18
Yenisbel Elias	Hialeah, US	2020-04-18
Jim Menzies	Austin, US	2020-04-18
Yacoub Idris	Toronto, Canada	2020-04-18
Kami Milbrandt	Saginaw, US	2020-04-18
Kyle Cousins	Richmond, US	2020-04-18
Mae Grout	Graniteville, US	2020-04-18
Erika Jordan	Columbus, US	2020-04-18
Mshwvwj Cjehejegb	Cambridge Bay, Canada	2020-04-18
Tania Cortes	Montréal, Canada	2020-04-18
russell moore	bowling green, US	2020-04-18
Jason Nix	Laurens, US	2020-04-18
Lily Adams	Indiana, US	2020-04-18

Name	Location	Date
Cory Boudreau	Ancaster, Canada	2020-04-18
Nurit Tilles	New York, US	2020-04-18
myrna zafra	Abbotsford, Canada	2020-04-18
Kamron Roberts	Columbus, US	2020-04-18
Roxanne Chavez	Hobbs, US	2020-04-18
Michael Brown	Bowie, US	2020-04-18
Justin Kaufman	Fort Wayne, US	2020-04-18
Justin Bieber	Lansdale, US	2020-04-18
Kathy Hedden	Keansburg, US	2020-04-18
Mercedes Santiago	Chicago, US	2020-04-18
Richard Chen	Cary, US	2020-04-18
jacqueline baranowski	Milwaukee, US	2020-04-18
Alecia Smith	Vermilion, US	2020-04-18
Hayam Albaba	Palos Hills, US	2020-04-18
Conner Felty	US	2020-04-18
Bella Rosario	Toms River, US	2020-04-18
Yovani Reyes	Hamilton, US	2020-04-18
Mike Lacovitch	Hollidaysburg, US	2020-04-18
Andy Watts	Houston, US	2020-04-18
Mikaylah Lewis	Cincinnati, US	2020-04-18
Chloe Brett	St.Augustine, US	2020-04-18
Labria Jackson	Raleigh, US	2020-04-18

Name	Location	Date
Amanda Meador	Norfolk, US	2020-04-18
Christoff Alfonso	Scarborough, Canada	2020-04-18
Gage Coy	Columbus, US	2020-04-18
Myles Sissac	Chicago, US	2020-04-18
Angela Maruca	Shady Side, Maryland, US	2020-04-18
Omar Williams	Los Angeles, US	2020-04-18
Victoria Bass	Duncan, Canada	2020-04-18
Debbie Neugebauer	Erie, US	2020-04-18
Fredrick Neal	Hazel Crest, US	2020-04-18
Thomas Chetney	Cape Coral, US	2020-04-18
enrique aguilera	Seattle, US	2020-04-18
Angel Cabral	Oklahoma City, US	2020-04-18
sam mosleh	Falls Church, US	2020-04-18
Alisse Dingle	Philadelphia, US	2020-04-18
Ulrich Tchouta	Chicago, US	2020-04-18
Melenie Peters	Oceanside, US	2020-04-18
Chey Nilla	Ny, US	2020-04-18
Isaiah Owens	Indiana, US	2020-04-18
Richard Hill	Los Angeles, US	2020-04-18
Deja Hennix	Florence, US	2020-04-18
Matt Vergamini	Rochester, US	2020-04-18
joi Austin	Denver, US	2020-04-18

Name	Location	Date
Mallory Rusk	Denham Springs, US	2020-04-18
Fisaha Teweldemedhin	Elkridge, US	2020-04-18
Beverly Mah	Calgary, Canada	2020-04-18
Susie Davis	Norwalk, US	2020-04-18
Nia Charles	Stoughton, US	2020-04-18
Johan Silver	Missoula, US	2020-04-18
Grace Brauer	Madison, US	2020-04-18
Michelle Bass	MCKINLEYVILLE, US	2020-04-18
Lillian Carrington	Mount Vernon, US	2020-04-18
Janae Ellerbee	US	2020-04-18
Matt Lothian	Canada	2020-04-18
Jacob Crews	Cambridge, US	2020-04-18
Lisa Banks	US	2020-04-18
Kelly Kleber	Pittsburgh, US	2020-04-18
Rafael De La Barrera	Cleveland, US	2020-04-18
Quinn SmellyButt	Mcconnelsville, US	2020-04-18
Austin Rayle	Trenton, US	2020-04-18
Sarha Syshus	Jupiter, US	2020-04-18
Jagdish Mand	Troy, US	2020-04-18
Gary R. Beck	Walnut Creek, US	2020-04-18
Brian Stevens	Binghamton, US	2020-04-18
Kevin McCarthy	Jackson, US	2020-04-18

Name	Location	Date
Steven Hester	Harvey, US	2020-04-18
Oldine Faulks	Miami, US	2020-04-18
Livia F.	Sturgeon Bay, US	2020-04-18
Sierra Scram	Cleveland, US	2020-04-18
Ryker Calvert	Seabrook, US	2020-04-18
Sheyanna Patton	US	2020-04-18
Tanya Buford	Antioch, US	2020-04-18
Linda Klemp	Milwaukee, US	2020-04-18
Tekie Meharena	Calgary, Canada	2020-04-18
Erika Downs	Washburn, US	2020-04-18
Rodney Mitchell	Garland, US	2020-04-18
Shaneka Foggie	Detroit, US	2020-04-18
Erin Phillips	Dayton, US	2020-04-18
Tommie Steed	Cincinnati, US	2020-04-18
Kadence Jeffers	Saint Clairsville, US	2020-04-18
Maurice Sompayrac	Dundas, Canada	2020-04-18
Kayla Cotton	Calumet City, US	2020-04-18
T'anni Barfield	Blacklick, US	2020-04-18
Destiny Williams	Lansing, US	2020-04-18
Victoria Wollam	Norwell, US	2020-04-18
Daljit Kang	Paso Robles, US	2020-04-18
Hunter Bohnsack	Verona, US	2020-04-18

Name	Location	Date
보검 박	Astoria, US	2020-04-18
Lillian Reed	Bellevue, US	2020-04-18
Michal Kuderski	Romeoville, US	2020-04-18
Greta Fischer	US	2020-04-18
Allison Goff	Harrisburg, US	2020-04-18
Olalekan Oluwole	Ottawa, Canada	2020-04-18
Annemarie giraldo	Leesburg, US	2020-04-18
Gina Asamoah	Perth Amboy, US	2020-04-18
Mia Cummings	Chicago, US	2020-04-18
Scott Klaassen	Tustin, California, US	2020-04-18
amanuel Habte	Hyattsville, US	2020-04-18
Margaret Scott	Valley Road, Canada	2020-04-18
MARILYN Perez	New York, US	2020-04-18
Kaylan Corley	Chicago, US	2020-04-18
Yuhong zhang	Toronto, Canada	2020-04-18
Helene Chacon	Miami, US	2020-04-18
Jazmyne Brooks	Calumet City, US	2020-04-18
Rashawn Berard	Surrey, Canada	2020-04-18
keya barnum	Toronto, Canada	2020-04-18
Alycen Eaton	Tiffin, US	2020-04-18
Freddy Ceruti	Tulsa, US	2020-04-18
colleen graber	latham, US	2020-04-18

Name	Location	Date
Stacey Pezzenti	Youngstown, US	2020-04-18
Stephen Lykins	Duluth, US	2020-04-18
Lakhbir Singh	Lodi, US	2020-04-18
David JOHNSON	Charlotte, North Carolina, US	2020-04-18
Mike Bitsas	Medina, US	2020-04-18
fola Momodu	Etobicoke, Canada	2020-04-18
tammy SIZEMORE	salyersville, US	2020-04-18
Abril Smith	Stamps, US	2020-04-18
edmond boyce	Lloydminster, Canada	2020-04-18
Tony Samuel	Columbus, US	2020-04-18
Naysha Hines	Cleveland, US	2020-04-18
Robert Pinder	dundas, Canada	2020-04-18
Lindsay Jones	Ancaster, Canada	2020-04-18
Maria Carrillo	Dallas, US	2020-04-18
carrie mason	Hamilton, Canada	2020-04-18
Barry William	Canada	2020-04-18
Rita Othman	Hamilton, Canada	2020-04-18
debbie brown	Hamilton, Canada	2020-04-18
Jaynn Miller	Ancaster, Canada	2020-04-18
Kevin Miller	Dundas, Canada	2020-04-18
Meg Tyrell	Stoney Creek, Canada	2020-04-18
Jennifer Tyrell	Ancaster, Canada	2020-04-18

Name	Location	Date
Mike Donnelly	Dundas, Canada	2020-04-18
Shaun Maguire	Dundas, Canada	2020-04-18
Kimberley Thomson	Ancaster, Canada	2020-04-18
Cathy Pengelly	Dundas, Canada	2020-04-18
Dave Green	Ancaster Ontario, Canada	2020-04-18
Geoff Tyrell	Toronto, Canada	2020-04-18
Tony Guther	Ancaster ON, Canada	2020-04-18
Betty Villeneuve	Ancaster, Canada	2020-04-18
Marianne Buchanan	Ancaster, Canada	2020-04-18
Jennifer Davis	Hamilton, Canada	2020-04-18
June Pratt	Ancaster, Canada	2020-04-18
Anton Plas	Hamilton, Canada	2020-04-18
Christina Watkins	Ancaster, Canada	2020-04-18
Teri Eccles	Hamilton, Canada	2020-04-18
David Wallis	Ancaster, Canada	2020-04-18
Maria D'Ambrosi	Ancaster, Canada	2020-04-18
Kyle Watts	Ancaster, Canada	2020-04-18
Neil Turchyn	Ancaster, Canada	2020-04-18
Alessandro LoSardo	Hamilton, Canada	2020-04-18
William Leigh	Dundas, Canada	2020-04-18
Laura Wright	Kitchener, Canada	2020-04-18
Dan Stewart	Ancaster, Canada	2020-04-18

Name	Location	Date
Gerhard Stange	Hamilton, Canada	2020-04-18
Kevin Turchyn	Burlington, Canada	2020-04-18
Mike Lukas	Hamilton, Canada	2020-04-18
Jennifer Lynn	Dundas, Canada	2020-04-18
Jeffrey Kondo	Ancaster, Canada	2020-04-18
Greg Kelley	Ancaster, Canada	2020-04-18
Jean Donaldsonm	Ancaster, Canada	2020-04-18
Nancie Mleczko	Hamilton, Canada	2020-04-18
Daniel Feeley	Las Vegas, US	2020-04-18
James Thomson	Ancaster, Canada	2020-04-18
Jessica Thomson	Toronto, Canada	2020-04-18
M-J Kelley	Orillia, Canada	2020-04-18
Al Thurston	Canada	2020-04-18
Deborah Wallis	Waterloo, Canada	2020-04-18
Joanne Stonehill	Dundas, Canada	2020-04-18
Gary Smith	Ancaster, Canada	2020-04-18
Mike Smith	Canada	2020-04-18
Bill Boyer	Ancaster, Canada	2020-04-18
Robert Sisler	Ancaster, Canada	2020-04-18
Danielle Piano	Hamilton, Canada	2020-04-18
Marguerite Kelley	Dundas, Canada	2020-04-18
David Burlanyette	Ancaster, Canada	2020-04-18

Name	Location	Date
gerry bukovinsky	hamilton, Canada	2020-04-18
Drayden Ramage	Abernethy, Canada	2020-04-18
Avaya Ward	Regina, Canada	2020-04-18
Aliaa Abdelmeguid	London, Canada	2020-04-18
Gholamreza Eamaeili	Whitby, Canada	2020-04-18
tim wert	Williamsport, US	2020-04-18
Mackenzie Hudson	Chicago, US	2020-04-18
Joan Klatt	Oakville. Ontario, Canada	2020-04-18
Kori Tatum	Roanoke, US	2020-04-18
Abraham Camerino	Toronto, Canada	2020-04-18
Kennith McQueen	Biddeford, US	2020-04-18
kyung kim	Westmont, US	2020-04-18
Aliza Wright	Fredericktown, US	2020-04-18
adrian Martinez	Salt Lake City, US	2020-04-18
Eric Grajeda	Oak Lawn, US	2020-04-18
Lena Alkhaldi	Winter Park, US	2020-04-18
Maria Pizzolo	Middletown, New Jersey, US	2020-04-18
Jezzel Ross	Chicago, US	2020-04-18
Nneoma Okafo	Toronto, Canada	2020-04-18
Marianne Cabacungan-Dalope	Winnipeg, Canada	2020-04-18
Bently Downy	Cleveland, US	2020-04-18
Rickell Dennis	Danville, US	2020-04-18

Name	Location	Date
Leslie Lopez	Madera, US	2020-04-18
Carolina Alvarez	Dickinson, US	2020-04-18
Amiya Walker	Chicago, US	2020-04-18
Dayanara Martinez	Chicago, US	2020-04-18
Matthew Xiong	Tampa, US	2020-04-18
Eliza Prom	South Holland, US	2020-04-18
HEIDI BENDER	Kitchener, Canada	2020-04-18
Julissa Bermejo	Oak Park, US	2020-04-18
Gary Gerlach	Grand Haven, US	2020-04-18
Erin Thompson	Springfield, US	2020-04-18
Bryant Marquez	Round Lake, US	2020-04-18
Sara Wilborn	North Augusta, US	2020-04-18
Tavayah Buford	Toledo, US	2020-04-18
John Dewar	Saint Catharines, Canada	2020-04-18
Kavarius Washington	Joliet, US	2020-04-18
Twenty One	Brampton, Canada	2020-04-18
David Powers	Houston, Texas, US	2020-04-18
Alejandra Ocampo	Waukegan, US	2020-04-18
Hasan Mrayeh	Waterloo, Canada	2020-04-18
Zeeeion willyson	North York, Canada	2020-04-18
Dell Wolfensparger	Langley, US	2020-04-18
Abigail Metzel	Lemont, US	2020-04-18

Name	Location	Date
Kalista Jackson	Seattle, US	2020-04-18
David Igolnikov	Ponte Vedra Beach, US	2020-04-18
Sharon Rothe	Morristown, US	2020-04-18
Heather Petersen en	Mukilteo, US	2020-04-18
Mallory Howard	Dayton, US	2020-04-18
Christa Chufar	Saint Petersburg, US	2020-04-18
Christine Rowe	Burnaby, Canada	2020-04-18
Grant Sorrell	Carson City, US	2020-04-18
Marque Wells	East Saint Louis, US	2020-04-18
Raquel Aviles	Las Vegas, US	2020-04-18
Miguel Peeper	Westerville, US	2020-04-18
Mohamed Hammmam	Burbank, US	2020-04-18
Adam Kaluba	Burleson, US	2020-04-18
Angelo Simeonidis	Dundas, Canada	2020-04-18
Alison Boykin	Canton, US	2020-04-18
Jiancarlos Benavente	Concord, US	2020-04-18
philomena cackovic	Salem, US	2020-04-18
Azucena Martinez	Glendale, US	2020-04-18
Chymerra felder	Bedford, US	2020-04-18
Noah Hudnall	Lincoln, US	2020-04-18
Juan De La Rosa	Seattle, US	2020-04-18
XZAYVIER Anderson	Columbus, US	2020-04-18

Name	Location	Date
Fatoumata Dabo	Cincinnati, US	2020-04-18
Deaaron Howlett	Louisville, US	2020-04-18
Zeus Flores	Las Vegas, US	2020-04-18
Lailah Furcron	Elyria, US	2020-04-18
Brandon Gantiva	Chicago, US	2020-04-18
Enrique Manuel Martinez morales	Calgary, Canada	2020-04-18
Karen Hanna	Dundas, Canada	2020-04-18
Alaska Wilder	Bossier City, US	2020-04-18
Jackson Alexander	Valparaiso, US	2020-04-18
Daniel Combs	Dayton, US	2020-04-18
seth barber	Byron Center, US	2020-04-18
Benjamin Cloutier	Lévis, Canada	2020-04-18
Pam Speagle	Louisville, US	2020-04-18
Ellen Ulitsky	California, US	2020-04-18
victoria pina	Edinburg, US	2020-04-18
Brayden Fulkert	Toledo, US	2020-04-18
Aline Mares	Riverside, US	2020-04-18
Natoya Foote	Madison, US	2020-04-18
Sebon Sheffield	SAN ANTONIO, US	2020-04-18
Katie Shaderline	Franklin, US	2020-04-18
Ethan Back	Cincinnati, US	2020-04-18

Name	Location	Date
kaydence wilson	Bloomington, US	2020-04-18
Adam Koubbi	Chicago, US	2020-04-18
Mikewho Cheesehairy	Westfield, US	2020-04-18
Luis Emerson	US	2020-04-18
Gladys Cruz	San Gabriel, US	2020-04-18
Edward Mendez	Bronx, US	2020-04-18
Donovan Bailey	Norwalk, US	2020-04-18
Felipe Perez	Sunnyvale, US	2020-04-18
Nola Cusick	Millersburg, US	2020-04-18
Jake Magdayao	Toronto, Canada	2020-04-18
N'Liah Brown	Danville, US	2020-04-18
Fernando Gaytan	Chicago, US	2020-04-18
Sabrea Starks	Warminster, US	2020-04-18
gwen meyers	Langley, Canada	2020-04-18
Dashawni Baker	Chicago, US	2020-04-18
Jyniese Caldwell	Akron, US	2020-04-18
Brooke Comer	Springfield, US	2020-04-18
Makayla Winters	Chicago, US	2020-04-18
Andre Coppin	Bronx, US	2020-04-18
Jean Wang	Cupertino, US	2020-04-18
Auriana Davila	Milwaukee, US	2020-04-18
karolina simkus	Palos Hills, US	2020-04-18

Name	Location	Date
alyssa snow ames	Valparaiso, US	2020-04-18
bee o	Montréal, Canada	2020-04-18
Some lady on wattpad .	Suffolk, US	2020-04-18
zowie ba	Erlanger, US	2020-04-18
James Daniels	Detroit, US	2020-04-18
marcia tuplin	MEMBERTOU, Canada	2020-04-18
Kenneth Hites	New York, US	2020-04-18
Isabella Hernandez	Hollywood, US	2020-04-18
Kamila Pastwa	Gary, US	2020-04-18
ricardo Rosa	Cleveland, US	2020-04-18
Paola Murray	Ancaster, Canada	2020-04-18
Emily Eager	Oakville, Canada	2020-04-18
greig macInnes	Ancaster, Canada	2020-04-18
Christine Fulde	Hamilton, Canada	2020-04-18
pearla abdulnour	ancaster, Canada	2020-04-19
Noor nizam	Dundas, Canada	2020-04-19
Leo Mark	Ancaster, Canada	2020-04-19
Kelly McKenzie	Brantford, Canada	2020-04-19
Leithia Webber	Hamilton, Canada	2020-04-19
Julie Flaczynski	Hamilton, Canada	2020-04-19
Katarzyna Grandwilewski	Hamilton, Canada	2020-04-19
Mona O	Kitchener, Canada	2020-04-19

Name	Location	Date
Sue Hewitson	Jerseyville, Canada	2020-04-19
alice killerich	France	2020-04-19
Melody Cope	Ancaster, Canada	2020-04-19
Kathy Lewis	Ancaster, Canada	2020-04-19
Matthew Michaud	Stirling, Canada	2020-04-19
Douglas Lagasse	Waterbury, US	2020-04-19
Maleice Cooper	Aurora, US	2020-04-19
Lilky Araujo Hall	Ocala, US	2020-04-19
Robert Aldridge	Bearlake, US	2020-04-19
Sunite Aulai	Chino, US	2020-04-19
Kelsey Crites	Morgantown, US	2020-04-19
Chedza Mmolawa	Syracuse, US	2020-04-19
Kamron Thomas	Lorain, US	2020-04-19
Jazzette Thomas	Brooklyn, US	2020-04-19
Charlie Marthaler	Mentor, US	2020-04-19
alex kretzmer	East Jordan, US	2020-04-19
Seth Cowart	Norcross, US	2020-04-19
Joseph Stokes	Livonia, US	2020-04-19
Robert Greer	Mountain City, US	2020-04-19
Joel Lefkowitz	Brooklyn, US	2020-04-19
Corionna Hodges	Centralia, US	2020-04-19
Rickey Tennyson	Dallas, US	2020-04-19

Name	Location	Date
Amy Martinez	Ft Mitchell, US	2020-04-19
Ángel Torres	Bronx, US	2020-04-19
Candice James	Cleveland, US	2020-04-19
Gabby Simpson	Cincinnati, US	2020-04-19
Kwiyoung Shim	Scarsdale, US	2020-04-19
Sydney Ray	Danville, US	2020-04-19
Ammar Bibi	Montréal, Canada	2020-04-19
Dawit Debebe	Toronto, Canada	2020-04-19
John Rockas	Charlotte, US	2020-04-19
Charona Jones	Akron, US	2020-04-19
Kelly Hollister	Truxton, US	2020-04-19
Eduard Negron	New Haven, US	2020-04-19
SHAWAYNE Dockett	Los Angeles, US	2020-04-19
Nicolas Hill	Owatonna, US	2020-04-19
Marko Zalukar	Austin, US	2020-04-19
Mckenzie Byers	Fairborn, US	2020-04-19
Elizabeth Barrett	Fall River, US	2020-04-19
Kaid Brown	Zanesville, US	2020-04-19
Kaylen Abernathy	jacksonville, US	2020-04-19
Maya Shende	Ponte Vedra, US	2020-04-19
Wendy Bristow	Mattaponi, US	2020-04-19
George Hodgkin	Roscommon, US	2020-04-19

Name	Location	Date
Scotty Boman	Detroit, US	2020-04-19
Regina Friad	Toms river, US	2020-04-19
Rachel Jones	Hamilton, Canada	2020-04-19
Laurian Soper	Ancaster, Canada	2020-04-19
Victoria Anderson	Brantford, Canada	2020-04-19
John Hall	Dundas, Canada	2020-04-19
Susan Arpino	Hamilton, Canada	2020-04-19
Maaryah Salyani	Aurora, Canada	2020-04-19
Colette Bradley	Dundas, Canada	2020-04-19
Paul Templeton	Ancaster, Canada	2020-04-19
Dave Fitzpatrick	Hamilton, Canada	2020-04-19
Carolyn Gowland	Ancaster, Canada	2020-04-19
alvena kuzmenko	Chicopee, US	2020-04-19
David Leeming	Brantford, Canada	2020-04-19
Katherine Henriquez	Bell Gardens, US	2020-04-19
Anna Gutierrez	Phoenix, US	2020-04-19
Avneet Kaur	Scarborough, Canada	2020-04-19
James Banning	Springfield, US	2020-04-19
John G. Ross	Dayton, US	2020-04-19
Kourtney Holetzky	Orlando, US	2020-04-19
Ryan Lessner	Algonquin, US	2020-04-19
Santos Fernandez	Marion, US	2020-04-19

Name	Location	Date
Jesus Hernandez	Odessa, US	2020-04-19
Hunter Orlando	Indianapolis, US	2020-04-19
Emma Taruc	Huntley, US	2020-04-19
Kelley DeVries	Pickerington, US	2020-04-19
Leah Williams	Heath, US	2020-04-19
Evalyn Churan	Fort MacMurray, Canada	2020-04-19
Tom Kraus	Saint Clair Shores, US	2020-04-19
Cory Hatcher	Sydney ns, Canada	2020-04-19
Camila Leon	London, Canada	2020-04-19
Kalyn Wright	Greensboro, US	2020-04-19
Tedros Kidane	Seattle, US	2020-04-19
Megan Stone	Saint Louis, US	2020-04-19
Logan Stern	Newport Beach, US	2020-04-19
Ivanete Schumann	Foz do Iguaçu, US	2020-04-19
Manish Patel	West Chicago, US	2020-04-19
Karen Langelier	Wilmington, US	2020-04-19
Deborah Griffin	Franklin, US	2020-04-19
simona tomassini	Seward, US	2020-04-19
Isac Mercado	Mchenry, US	2020-04-19
wendy luu	Surrey, Canada	2020-04-19
Simranjeet Kaur	Toronto, Canada	2020-04-19
Sawyer Lucas	Mineral Wells, US	2020-04-19

Name	Location	Date
Rebecca Bermudez	Oxnard, US	2020-04-19
Jami Hansen	Galion, US	2020-04-19
Jacob Foss	Green Bay, US	2020-04-19
Maurice Deffo	Silver Spring, US	2020-04-19
Anyi Cruz	Orlando, US	2020-04-19
KAY Farah	Little Rock, US	2020-04-19
Megan High	Lombard, US	2020-04-19
Edgar E	New York, US	2020-04-19
Desjene Nelson	Chicago, US	2020-04-19
Ashley Martinez	Chicago, US	2020-04-19
Megan Yancey	Apache Junction, US	2020-04-19
Tyanna Horsman	Jeffersonville, US	2020-04-19
Alisson Murillo	Oakland, US	2020-04-19
Blake Nelson	Mason City, US	2020-04-19
Brooke Young	Wakeman, US	2020-04-19
lyndzee armentrout	bellefontaine, US	2020-04-19
Jazmine Solano	Fairmont City, US	2020-04-19
Zhymeria Blakemore-White	Mt.Vernon, US	2020-04-19
Denise Biggs	Bronx, US	2020-04-19
Sherry Falcon	Arcadia, US	2020-04-19
dan over	New Bethlehem, US	2020-04-19
Jean Ducroisy	Norwich, US	2020-04-19

Name	Location	Date
Maribel Marulanda	New York, US	2020-04-19
Ishioma Okusor	Bellwood, US	2020-04-19
zandi woodward	salem, US	2020-04-19
Traniqua Richards	Warner Robins, US	2020-04-19
John Noll	Chambersburg, US	2020-04-19
Alexandria Dudek	Lorain, US	2020-04-19
Gavin Elston	Mendota, US	2020-04-19
Bryan Gonzalez	Elko, US	2020-04-19
Trevor Gartner	Rapid City, US	2020-04-19
Terrence Moody	Riverside, US	2020-04-19
Harry Zhu	Missouri City, US	2020-04-19
Rebecca Lannom	Hermitage, US	2020-04-19
Ian Patterson	Sussex, Canada	2020-04-19
Delia Arellano	Huber Heights, US	2020-04-19
Lisa Jenkin	ANCASTER, Canada	2020-04-19
Rachel Taylor	Toledo, US	2020-04-19
Izabelle Brost	Massillon, US	2020-04-19
Patricia Osaghae	Toronto, Canada	2020-04-19
Arielle Gee	Greenville, US	2020-04-19
John brown	Los Angeles, US	2020-04-19
Ann Reji	Milton, Canada	2020-04-19
Kaley Lemon	Belpre, US	2020-04-19

Name	Location	Date
Christina Herbaugh	Pico Rivera, US	2020-04-19
Abigail Kallaher	Dubuque, US	2020-04-19
Wesley Griffith	Chicago, US	2020-04-19
Alexandra Astudillo	Jackson Heights, US	2020-04-19
David White	Missouri City, US	2020-04-19
Nicole Gafafyan	Burbank, US	2020-04-19
Sumer Musselman	Pittsburgh, US	2020-04-19
Marlene Mera	Brooklyn, US	2020-04-19
Kelis Neal	Matteson, US	2020-04-19
Zachary Rexroad	Lake Elsinore, US	2020-04-19
Amari Henderson	Cleveland, US	2020-04-19
Emma Catlett	Lumberton, US	2020-04-19
Rhianna George	Gainesville, US	2020-04-19
jennifer Jones	park hills, US	2020-04-19
Emily Coffey	Orland Park, US	2020-04-19
Robert Harrington	Saint George, US	2020-04-19
Eduardo Aragon	Vancouver, Canada	2020-04-19
Sumati H	San Jose, US	2020-04-19
Mia Taylor	Melrose park, US	2020-04-19
Annastasia Mainzer	Norwalk, US	2020-04-19
Rajpreet Sidhu	Fremont, US	2020-04-19
Joe Kellerman	Bay City, US	2020-04-19

Name	Location	Date
Morgan Meyer	Sanford, US	2020-04-19
Susan Mocerino	Peekskill, US	2020-04-19
Nicholas Gaughan	Rochester, US	2020-04-19
�#Dachi Hmmm	Chicago, US	2020-04-19
Pablo Nava	Oxnard, US	2020-04-19
Aaron White	Mount Vernon, US	2020-04-19
Robbie Allred	Shelton, US	2020-04-19
Linaye Schreier	Marshall, US	2020-04-19
Toe Wilkovesky	Toronto, Canada	2020-04-19
Sandra Jones	Jeremiah, US	2020-04-19
Louisa Lin	Montréal, Canada	2020-04-19
Kayla Roach	Boston, US	2020-04-19
jean zaccaria	Milton, Canada	2020-04-19
AUSTIN Northup	Alameda, US	2020-04-19
Aspen Cooper	Houston, US	2020-04-19
Misael Camarena	San Diego, US	2020-04-19
Robert Marraro	Corpus Christi, US	2020-04-19
Kallie Kircher	De Pere, US	2020-04-19
amani nasser	Saint Charles, US	2020-04-19
Maribel Hernandez	Miami, US	2020-04-19
Cleopatra Jones	Springfield, US	2020-04-19
Wyatt Wunderle	Painesville, US	2020-04-19

Name	Location	Date
Jesus Hernandez	Fresno, US	2020-04-19
Arianna Do	Salt Lake City, US	2020-04-19
Kiara Burnette	Fredericksburg, US	2020-04-19
Michael Weiss	Skokie, US	2020-04-19
Dread Lox	Miami, US	2020-04-19
Lauren Llanes	Miami, US	2020-04-19
Mackenzie Taylor	Scarborough, Canada	2020-04-19
Nathan Brissette	De Pere, US	2020-04-19
Kevin Guzman	Chicago, US	2020-04-19
Juan Vera	Miami, US	2020-04-19
Jean Dreher	West Haverstraw, New York, US	2020-04-19
Mohmad Tai	Chicago, US	2020-04-19
Colin Schenher	Crystal Lake, US	2020-04-19
Steven McNicoll	De Pere, Wisconsin, US	2020-04-19
José Jiménez	Milton, Canada	2020-04-19
Connie Fierro	Vaughan, Canada	2020-04-19
Hussain Raza	Hinsdale, US	2020-04-19
Hal Ruth	Lehighton, US	2020-04-19
Janice Flaherty	Ancaster, Canada	2020-04-19
Jacob Alves	Maple, Canada	2020-04-19
Heidi Barrett	Dundas, Canada	2020-04-19
Timi Olujimi	Toronto, Canada	2020-04-19

Name	Location	Date
Massimo Pascuzzi	Vaughan, Canada	2020-04-19
Trevor Watson	Ottawa, Canada	2020-04-19
Meghan Graham	Brantford, Canada	2020-04-19
shaamali kannan	Maple, Canada	2020-04-19
Kelly Tomlinson	Ancaster, Canada	2020-04-19
Jane Barrett	Ancaster, Canada	2020-04-19
Matthew Bowman	Toronto, Canada	2020-04-19
Fiona Barich	ancaster, Canada	2020-04-19
Elaine Crabb-Sheppard	Hamilton, Canada	2020-04-19
Joe Beesack	Ancaster, Canada	2020-04-19
Terrilea Pitton	Hamilton, Canada	2020-04-19
Judith McAnanama	Caledonia, Canada	2020-04-19
Malcom Suarez	Vaughan, Canada	2020-04-19
Selena Novario	Woodbridge, Canada	2020-04-19
Mitchell Turner	Aurora, Canada	2020-04-19
Michael Armes	Montréal, Canada	2020-04-19
Lee-Ann Hines-Green	Hamilton, Canada	2020-04-19
Irene Stella Contiveis	Kleinburg, Canada	2020-04-19
Ron Nusca	Hamilton, Canada	2020-04-19
Andrea Dewolfe	Jerseyville, Canada	2020-04-19
Elie Ghazal	Woodbridge, Canada	2020-04-19
elaine sheppard	hamilton,ont, Canada	2020-04-19

Name	Location	Date
Mary Catherine Kovacs	Ancaster, Canada	2020-04-19
Jennifer Bennett	Hamilton, Canada	2020-04-19
Deborah Behr	Ancaster, Canada	2020-04-19
Sara Tomlinson	Smithers, Canada	2020-04-19
Carol Hickey	Guelph, Canada	2020-04-19
Jessica Younis	Toronto, Canada	2020-04-19
Stella Amos	Lagos, Nigeria	2020-04-19
Lisa Cole	Port Hope, Canada	2020-04-19
Elaine Mercer	Woodbridge, Canada	2020-04-19
Patricia Pilon	Scotland, Canada	2020-04-19
Erin Manuel	Ancaster, Canada	2020-04-19
David Saddler	Scarborough, Canada	2020-04-19
Sandra Domingos	Hamilton, Canada	2020-04-19
Sk A	Maple, Canada	2020-04-19
Josephine Machado	Vaughan, Canada	2020-04-19
Nataal Colalillo	Stratford, Canada	2020-04-19
Jake Ismail	Alliston, Canada	2020-04-19
Jeff Shaver	Binbrook, Canada	2020-04-19
Marcio Andre	Alliston, Canada	2020-04-19
Richard Trebilcock	Dundas, Canada	2020-04-19
Kyna Intini	Dundas, Canada	2020-04-19
Rebecca Walsh	Toronto, Canada	2020-04-19

Name	Location	Date
Rajvir Janjua	Vaughan, Canada	2020-04-19
Maureen Margiotta	Woodbridge, Canada	2020-04-19
Melissa Foderaro	Ancaster, Canada	2020-04-19
Noah Dubin	Vaughan, Canada	2020-04-19
Margaret Anderson-Herrmann	Ancaster, Canada	2020-04-19
C Carey	Hamilton, Canada	2020-04-19
Lynda Cranston	Orangeville, Canada	2020-04-19
mary cranston	Toronto, Canada	2020-04-19
Lauren Milne	Hamilton, Canada	2020-04-19
Carolyn Younger	Ancaster, Canada	2020-04-20
Charles Schauer	Calgary, Canada	2020-04-20
Hannah Fraser	Toronto, Canada	2020-04-20
Alexa Cocco	Brampton, Canada	2020-04-20
Madelin Gennaro	Richmond Hill, Canada	2020-04-20
Craig Peters	Caledonia Ontario, Canada	2020-04-20
Ioannis Colliopoulos	Toronto, Canada	2020-04-20
Avery Frederick	Newmarket, Canada	2020-04-20
Grace Sumi	Markham, Canada	2020-04-20
Ben Dover Phil M'Crack	Aurora, Canada	2020-04-20
Anthony Critelli	Toronto, Canada	2020-04-20
Jack Smalley	Stouffville, Canada	2020-04-20
Daniel Lodato	Toronto, Canada	2020-04-20

Name	Location	Date
Liza Master	Richmond Hill, Canada	2020-04-20
Gemma Samuels	Georgetown, Canada	2020-04-20
Kathy McCrory	Ancaster, Canada	2020-04-20
Aidan Graves	Keswick, Canada	2020-04-20
Chris O	Vaughan, Canada	2020-04-20
Lynne Templeton	Hamilton, Canada	2020-04-20
Nicholas Matthews	Calgary, AB, Canada, Canada	2020-04-20
Melodi Gulsen	Los Angeles, US	2020-04-20
Lrslie Currie	Courtenay, Canada	2020-04-20
Alexa Garcia	Altamonte Springs, US	2020-04-20
Dorcameriangelys Rodriguez	Cleveland, US	2020-04-20
Jean Claude Tchuinkam	Bronx, US	2020-04-20
Jamari Jackson	Maywood, US	2020-04-20
Julia Trudell	Nanaimo, Canada	2020-04-20
Hugh Janus	xCity, US	2020-04-20
Abyade Munoz	Blue Island, US	2020-04-20
Leslie sarahy Cardenas	North Chicago, US	2020-04-20
Carter Shumway	Oswego, US	2020-04-20
CeCe Salinas	Peru, US	2020-04-20
Sayed Alamy	Sacramento, US	2020-04-20
Dusan Barisic	Windsor, Canada	2020-04-20
You will never reach the truth	Schenectady, US	2020-04-20

Name	Location	Date
Taylor Roth	Warren, US	2020-04-20
MICHAEL Bartolome	Edmonton, Canada	2020-04-20
Diamond Long	Garfield Heights, US	2020-04-20
pluto uwu	Dublin, US	2020-04-20
CHANSOPHEA TENG	Upper Darby, US	2020-04-20
autumn kleber	oak forest, US	2020-04-20
Yamaris Gonzalez	Bayamon, US	2020-04-20
Maggi Nixon	London, UK	2020-04-20
julie bates	coquitlam, Canada	2020-04-20
Sandra Sandra Rossi	Huntsville, Canada	2020-04-20
c ryckman	ancaster on, Canada	2020-04-20
Susan DeMille	Hamilton, Canada	2020-04-20
Ryan Godfrey	Niagara Falls, Canada	2020-04-20
Elena Ostapenko	Hamilton, Canada	2020-04-20
Cheryl Moes	Kamloops, Canada	2020-04-20
Shauna Borden	Thornhill, Canada	2020-04-20
Maurice Halsted	Edmonton, Canada	2020-04-20
Factory Direct Tackle Corp 1-877-286-4665	Little Britain, Canada	2020-04-20
Maria Ostapenko	Hamilton, Canada	2020-04-20
Lana Bartchouk	Hamilton, Canada	2020-04-20
Linda Clements	Ancaster, Canada	2020-04-20

Name	Location	Date
Jan-Marie Hart	Kitchener, Canada	2020-04-20
Judy Hill	Ancaster, Canada	2020-04-20
Sandra MacPherson	Brantford, Canada	2020-04-20
Sylvain Barrette	PORCUPINE, Canada	2020-04-20
Asal Salimi	Bolton, Canada	2020-04-20
Tyrell Sutherland	Maple, Canada	2020-04-20
Nicholas Curto	Hamilton, Canada	2020-04-20
Amit Sharma	Brampton, Canada	2020-04-20
Carol-Lynn McElheran	Zurich, Canada	2020-04-20
ethan sirois	Vaughan, Canada	2020-04-20
Jane Mulkewich	Dundas, Canada	2020-04-20
Selena Florio	Richmond Hill, Canada	2020-04-20
ashley s	Maple, Canada	2020-04-20
Miguel Correia	Aurora, Canada	2020-04-20
Téa Hopkin	Saint George, Grenada	2020-04-20
Giuliana Cozzetto	Vaughan, Canada	2020-04-20
meghan mcconnell	Newmarket, Canada	2020-04-20
Adam Young	Richmond Hill, Canada	2020-04-21
Bernd Romanek	Edmonton, Canada	2020-04-21
Emilie Wilkins	Georgina, Canada	2020-04-21
Corina Vitantonio	Vaughan, Canada	2020-04-21
Matthew Kaul	Winnipeg, Canada	2020-04-21

Name	Location	Date
Grace Kim	Newmarket, Canada	2020-04-21
Lisa Olson	Ancaster, Canada	2020-04-21
Liam Johnston	Markham, Canada	2020-04-21
Imogen Pearson	Ancaster, Canada	2020-04-21
Carrie Thomas	Oakville & Bala Ontario, Canada	2020-04-21
Andrew Leslie	Aumond, Canada	2020-04-21
Erica Johnston	Bracebridge, Canada	2020-04-21
John Martin	Victoria, Canada	2020-04-21
aman Bains	Brampton, Canada	2020-04-21
Nick Marusiak	Hamilton, Canada	2020-04-21
Carol Clarke	Brampton, Canada	2020-04-21
Julie Moon	Hamilton, Canada	2020-04-21
Surinder Deol	Edmonton, Canada	2020-04-21
Emelia Ramirez	Coatzacoalcos, US	2020-04-21
Vicky HSu	Burnaby, Canada	2020-04-21
David Wong	Richmond Hill, Canada	2020-04-21
Amira Ibarra	Cathedral City, US	2020-04-21
Mervat Elk	Leduc, Canada	2020-04-21
Chylin Hayes	Springfield, US	2020-04-21
Billy Baumeister	San Rafael, US	2020-04-21
Gwen Walker	Grass Valley, US	2020-04-21
Cameron Davidson	Mississauga, Canada	2020-04-21

Name	Location	Date
Saleh Iftikhar	Kitchener, Canada	2020-04-21
Simon Abreha	Calgary, Canada	2020-04-21
Sat Shastri	Toronto, Canada	2020-04-21
Alessandra Mojica	South Sioux City, US	2020-04-21
Ivan nortey	HUMBLE, US	2020-04-21
Carrie Wieland	Fairborn, US	2020-04-21
Amreen Kaur	Los Angeles, US	2020-04-21
Nandini Borkar	Fremont, US	2020-04-21
Amaya Gonzalez	Riverside, US	2020-04-21
Amy Albright	Austin, US	2020-04-21
Jackie Tan	DOUGLASVILLE, US	2020-04-21
Nicola James	Naujaat, Canada	2020-04-21
Eve Oliker	San Francisco, US	2020-04-21
Steven Ferguson	Savannah, US	2020-04-21
Allen Lopez	Chicago, US	2020-04-21
dennis perl	Flossmoor, US	2020-04-21
Oscar Vargad	Laredo, US	2020-04-21
Izabelaa Garza	Burleson, US	2020-04-21
Torey Deberry	Arlington, US	2020-04-21
Daniela Anastasio	New York, US	2020-04-21
Zack Serna	Manassas, US	2020-04-21
jin lee	sunnyvale, US	2020-04-21

Name	Location	Date
Amey Cooper	Clifton Park, US	2020-04-21
Patrick Bu	Simpsonville, US	2020-04-21
Jeremiah Jackson	Akron, US	2020-04-21
Abdallah Youssouf	Brampton, Canada	2020-04-21
Daniel Polo	Edmonton, Canada	2020-04-21
Md Islam	Paterson, US	2020-04-21
Marcus Williams	Pearland, US	2020-04-21
Stephanie Rigesti	El Paso, US	2020-04-21
Janra Atienzo	Chicago, US	2020-04-21
Charlize Steele	Rapid City, US	2020-04-21
Katherine Montgomery	Citrus Heights, US	2020-04-21
Jason Mccaughley	Ancaster, Canada	2020-04-21
ariel davis	Homewood, US	2020-04-21
gary graf	MARIETTA, US	2020-04-21
Gianna Taaffe	Struthers, US	2020-04-21
Ashlee Johnson	Gaithersburg, US	2020-04-21
Crystal Flowers	Orlando, US	2020-04-21
Saber Dodd	Estevan, Canada	2020-04-21
Steve Haner	LITHIA SPRINGS, US	2020-04-21
Eli May	Fayetteville, US	2020-04-21
Jessica Waldroup	Gastonia, North Carolina, US	2020-04-21
Tim Miller	Wilmington, US	2020-04-21

Name	Location	Date
Christian Corbin	Orange, US	2020-04-21
Jennifer Fox	Midland, US	2020-04-21
Jean(John) Guay	Cornwall, Canada	2020-04-21
Miguel Pena	Scottsbluff, US	2020-04-21
JUSTIN FROST	Phoenix, US	2020-04-21
Donald Hardister	AUSTELL, US	2020-04-21
Christoph Bradshaw	Hancock County, US	2020-04-21
Julian Ledesma	Merrilleville, US	2020-04-21
Dallas Sauileone	Tacoma, US	2020-04-21
LESLIE BLASCO	Las Vegas, US	2020-04-21
Justin Truong	San Francisco, US	2020-04-21
Celia Aguilar	Austin, US	2020-04-21
Victoria Liang	Brooklyn, US	2020-04-21
Shante Kemp	Altoona, US	2020-04-21
Josh Vargas	Evanston, US	2020-04-21
Zachary Budde	Saint Paul, US	2020-04-21
Nancy Dollard	Uniontown, US	2020-04-21
Jonathan Ortega-Mercado	Pomona, US	2020-04-21
Logan Danella	AltoonA, US	2020-04-21
Eric Tapia	Chicago, US	2020-04-21
Grace Wise	Evanston, US	2020-04-21
FREDDIE HARDEN	AVON, US	2020-04-21

Name	Location	Date
Satan's Armpit	Tomball, US	2020-04-21
Martyrious Jefferson	Rockford, US	2020-04-21
Тај В	Mississauga, Canada	2020-04-21
Pham Javi	Los Angeles, US	2020-04-21
Karina De La Torre	Sioux City, US	2020-04-21
Saul Ponce	Arlington, US	2020-04-21
Morvarid Sabour	Surrey, Canada	2020-04-21
Kareem Pierre	Brooklyn, US	2020-04-21
Katie McDonald	Hickory, US	2020-04-21
Hannah Santos	Spring Hill, US	2020-04-21
Lily Li	Rancho Cucamonga, US	2020-04-21
David Santoyo	Elmhurst, US	2020-04-21
Tina K	Great Neck, US	2020-04-21
Mary Aguilar	Laredo, US	2020-04-21
kchelle Slaughter	Lynchburg, US	2020-04-21
Carol Priamo	Hamilton, Canada	2020-04-21
Angel Woytovich	Toronto, Canada	2020-04-21
Julie Martinez	Etobicoke, Canada	2020-04-21
Trevor Watson	Dundas, Canada	2020-04-21
Michelle C	Innisfil, Canada	2020-04-21
David Follyked	Toronto, Canada	2020-04-21
Roman Marusiak	Niagara Falls, Canada	2020-04-21

Name	Location	Date
Barb Pearson	Ancaster, Canada	2020-04-21
Sue Smiley	Hamilton, Canada	2020-04-21
Andrea Ramage	Brampton, Canada	2020-04-21
thomas bolton	Kitchener, Canada	2020-04-21
Tom Rallis	Hamilton, Canada	2020-04-21
Riccardo Mason	Hamilton, Canada	2020-04-21
Shari Power	Grimsby, Canada	2020-04-21
Keith Fockler	Toronto, Canada	2020-04-21
Cristina carneiro	Toronto, Canada	2020-04-21
Nancy Waite	Hamilton, Canada	2020-04-21
Leila Nasirzadeh	Toronto, Canada	2020-04-21
Alex Hilton	Ancaster, Canada	2020-04-21
Autumn Smiley	Ancaster, Canada	2020-04-21
Norris Podetz	Hamilton, Canada	2020-04-21
Kay Lolli	Hamilton, Canada	2020-04-21
Cathy Haggarty	Dundas, Canada	2020-04-21
Diane Schuldt-Zundel	Fort Mcmurray, AB, Canada	2020-04-21
Mary Kassar	Hamilton, Canada	2020-04-21
jim Gray	Peachland, Canada	2020-04-21
Niyol Courie	Chardon, US	2020-04-21
rob black	hamilton, Canada	2020-04-21
Rufus Ilori	Evergreen Park, US	2020-04-21

Name	Location	Date
Danielle Dawson	Dartmouth, Canada	2020-04-21
Murray Marchegiano	Oshawa, Canada	2020-04-21
Jim Godfrey	Hamilton, Canada	2020-04-21
Ella Ackworth	Chardon, US	2020-04-21
Aiden Campbell	Sidney, US	2020-04-21
Chelsea Greenheart	Richmond Hill, Canada	2020-04-21
Ai ju huang	Markham, Canada	2020-04-21
Thuy Do	Sausalito, US	2020-04-21
Troy Kent	Spokane, US	2020-04-21
Angela Sterjoski	Macomb, US	2020-04-21
Paresh Shah	Brampton, Canada	2020-04-21
Haha cum	Foley, US	2020-04-21
Doron Cohen	Edmonton, Canada	2020-04-21
Shanoya Morrison	Homestead, US	2020-04-21
Jaslyn Dunn	Halifax, Canada	2020-04-21
Alyssa Rawls	Tallahassee, US	2020-04-21
Ali Winchester	US	2020-04-21
Margaret Cole	Abbotsford, Canada	2020-04-21
Zolfa Al hajjar	Toronto, Canada	2020-04-21
Morgan Moss	McCordsville, US	2020-04-21
Raul Corona	Manteca, US	2020-04-21
Nadine Hixson	Phoenix, Arizona, US	2020-04-21

Name	Location	Date
Sawyer Goff	Milwaukee, US	2020-04-21
faith marcum	mentor, US	2020-04-21
Mayra Reyes	Sioux City, US	2020-04-21
joan watson	Hamilton, Canada	2020-04-21
Julia Dodich	Windsor, Canada	2020-04-21
Brian Boyd	Sylvan Lake, Canada	2020-04-21
Lacey West	Temecula, US	2020-04-21
carol junker	Dundas, Canada	2020-04-21
Marcos Hernandez	Coral Gables, US	2020-04-21
Martha Medina	Austin, US	2020-04-21
Ashley Maram	Toronto, Canada	2020-04-21
Jill Bickel	La Mesa, US	2020-04-21
Bryon Haverland	Vanetten, US	2020-04-21
Ella Bancker	Plover, US	2020-04-21
isaiah turner	Brandywine, US	2020-04-21
Michael Greyson	Mckinney, US	2020-04-21
maria osuna	Victorville, US	2020-04-21
Amy Thames	North Beach, US	2020-04-21
Dawn C	Canton, US	2020-04-21
GianCarlo Rose	Charles Town, US	2020-04-21
Charu Dhingra	Atlanta, US	2020-04-21
Chase Davis	Oklahoma city, US	2020-04-21

Name	Location	Date
taina feliciano	New York, US	2020-04-21
Mickaela Torres	League City, US	2020-04-21
Jacob Ragazzo	Medina, US	2020-04-21
duncan ward	Richmond Hill, Canada	2020-04-21
Joe York	Anderson, US	2020-04-21
Brandon Van Winkle	Norfolk, US	2020-04-21
Natalie H	Portland, US	2020-04-21
Mike Wendelaar	Dundas, Canada	2020-04-21
Chiara Tomassetti	Newport News, US	2020-04-21
Katlyn Raulerson	Sumter, US	2020-04-21
Janet Miszczyszyn	Mississauga, Canada	2020-04-21
Manuel Ayala	Las Vegas, US	2020-04-21
i love meat nigga	Norfolk, US	2020-04-21
Ali Imran Ansari	Richmond Hill, Canada	2020-04-21
Timothy Sanders	Chicago, US	2020-04-21
Christine Ye	Galloway, US	2020-04-21
jenna reese	New York, US	2020-04-21
Ryan Cormier	Largo, US	2020-04-21
Yazmin Medina	Edmonton, Canada	2020-04-21
Ashley McCune	Rockford, US	2020-04-21
Diane Abyssinian	West Union, US	2020-04-21
Makayla Gardner	Yorktown, US	2020-04-21

Name	Location	Date
Harjinder Singh	Manteca, US	2020-04-21
Reese Wagoner	Murphysboro, US	2020-04-21
Kate Tapia	US	2020-04-21
Amerie Jones	Wheaton, US	2020-04-21
Eric Marquez	Dakota City, US	2020-04-21
Jarrell Harris	Laurel, US	2020-04-21
Christopher Hicks	Wynne, US	2020-04-21
Hayden Sinda	Lake Villa, US	2020-04-21
Delaney Geckle-Clark	Midlothian, US	2020-04-21
Amanda Kleem	Tickfall, US	2020-04-21
MICHAEL NITTI	Lagrange, US	2020-04-21
Rocco Poe	Fremont, US	2020-04-21
Hailee Landergren	Phoenix, US	2020-04-21
Nadia Fish	Innisfail, Canada	2020-04-21
Michael Squire	Markham, Canada	2020-04-21
Vasileios Grigoriou	Birkenhead, Canada	2020-04-21
Alison Brown	Ancaster, Canada	2020-04-21
Adina Clemmer	Taylor, Canada	2020-04-21
MaryAnn Bechard	Hamilton, Canada	2020-04-21
Nikita Vorontsov	Ancaster, Canada	2020-04-21
Andrea Proulx	Hamilton, Canada	2020-04-21
Paige Maylott	Hamilton, Canada	2020-04-21

Name	Location	Date
Dympna McCully	Mount Hope, Canada	2020-04-21
Nicole Harvey	Brampton, Canada	2020-04-21
Alex Rende	Mississauga, Canada	2020-04-21
Gerry zeppieri	Woodbridge, Canada	2020-04-21
Shane Fisher	Hamilton, Canada	2020-04-21
Laurie Douglas	Hamilton, Canada	2020-04-21
Ken Beatty	Hamilton, Canada	2020-04-21
Jozefa Andorko	Hamilton, Canada	2020-04-21
George Ramage	Hamilton, Canada	2020-04-21
Isadore Kanfer	Toronto, Canada	2020-04-21
Steve Bright	Toronto, Canada	2020-04-21
Thalia Sandoval	Bradford, Canada	2020-04-21
Jacqueline Carnegie	Canada	2020-04-21
valeria s	Newmarket, Canada	2020-04-21
Wendy Little	Saskatoon, Canada	2020-04-21
Frances Hummell	Ancaster, Canada	2020-04-21
Joanna Sarauer	Edmonton, Canada	2020-04-21
Alanna Gureckas	Ancaster, Canada	2020-04-21
Don Harris	Markdale, Canada	2020-04-21
Joy Pepper	Ashton, Canada	2020-04-21
senka ferrera	Sarnia, Canada	2020-04-21
Roger Williams	Welland, Canada	2020-04-21

Name	Location	Date
Kenrick Gayle Jr	Bronx, US	2020-04-21
Julie Parker	Texas City, US	2020-04-21
Bigpimpin Ayyyyyy	Orange, US	2020-04-21
Muhammad Yousaf	London, Canada	2020-04-21
bruh bruh	San Mateo, US	2020-04-21
Robyn bay	Edmonton, Canada	2020-04-21
veda tee	Winnipeg, Canada	2020-04-21
Timothy Gbenjo	Toronto, Canada	2020-04-21
Ervin Hazel	Stone Mountain, US	2020-04-21
Kyla Spencer	Ontario, US	2020-04-21
Rita Parikh	Mississauga, Canada	2020-04-21
Baljit. Kaur birk Birk	Surrey, Canada	2020-04-21
Keisha Young	Jacksonville, US	2020-04-21
Rob Harper	Newmarket, Canada	2020-04-21
Nahid Khatri	Troy, US	2020-04-21
MERRY BELL	Saint Francis, US	2020-04-21
Andrea Aranda	Chicago, US	2020-04-21
barbara milanowska	Toronto, Canada	2020-04-21
Inderjit Singh	Surrey-BC, Canada	2020-04-21
Iona Hoeppner	US	2020-04-21
kuflom haile	Toronto, Canada	2020-04-21
Pedro Verdier	Manteca, US	2020-04-21

Name	Location	Date
emily kile	Little Rock, US	2020-04-21
Armaan Sandhu	Brookings, US	2020-04-21
Christian Slimm	Calgary, Canada	2020-04-21
Angelica Dino	Winnipeg, Canada	2020-04-21
Dominic Wallace	Kinzers, US	2020-04-21
Gurshawn Brar	Abbotsford, Canada	2020-04-21
Ryan Cramer	Mount Vernon, US	2020-04-21
Dhruvi Soni	Chicago, US	2020-04-21
Cheryl Gale	Hamilton, Canada	2020-04-21
Sanaa White	Carol Stream, US	2020-04-21
Jean Simon	Henderson, US	2020-04-21
Grayson Lessert	Scottsbluff, US	2020-04-21
jeri stollings	garden city, US	2020-04-21
Munira Nanji	Calgary, Canada	2020-04-21
Dawn Sisler	Bargersville, US	2020-04-21
A. NG	Brampton, Canada	2020-04-21
Rob Peterson	Lake Stevens, US	2020-04-21
Alex Aratare	Saratoga Springs, US	2020-04-21
Gavin Lafraniere-Aguirre	Redford, US	2020-04-21
Don Schmit	Lincoln, Nebraska, US	2020-04-21
Ericm Trujillo	Highland Park, US	2020-04-21
Jalisa Brown	Sydney, Canada	2020-04-21

Name	Location	Date
Sharon Scott	Washington, US	2020-04-21
Gage Ordner	Stewardson, US	2020-04-21
Max Orsley	321 street, US	2020-04-21
Danielle Rios	Lutz, US	2020-04-21
Kas Sistla	Alpharetta, US	2020-04-21
Tamara Long	Chicago, US	2020-04-21
Jolene Anderson	El Paso, US	2020-04-21
Carinne Robbins	Oswego, US	2020-04-21
Denise knapp	Jacksonville, US	2020-04-21
Billy Ho	Toronto, Canada	2020-04-21
Marquis Jones	Corona, US	2020-04-21
Tri Nguyen	Lawrenceville, US	2020-04-21
C Orr	Albuquerque, US	2020-04-21
Rubina Rai	Rosedale, US	2020-04-21
Zoey Knipstein	Chicago, US	2020-04-21
Alysia Dovel	Albuquerque, US	2020-04-21
Naoufal Bounkhoul	Newport News, US	2020-04-21
Julian Hillmann	Fort Leonard Wood, US	2020-04-21
Jeff Hall	Zanesville, US	2020-04-21
A & D Supply	Omaha, US	2020-04-21
Joseph Rosenau	Chicago, US	2020-04-21
Paige Newman	St Charles, US	2020-04-21

Name	Location	Date
Stefano Ciudadano	Pompton lakes, US	2020-04-21
fitsum mohammed	Washington, US	2020-04-21
Simrat Kaur	Manteca, US	2020-04-21
Logan Waibel	Hyannis, US	2020-04-21
phyllis wu	Brooklyn, US	2020-04-21
Shaun Blackman	Chicago, US	2020-04-21
Josh Wood	Commerce City, US	2020-04-21
Sunny Carroll	LaVergne, US	2020-04-21
Jackie Crews	Byron, US	2020-04-21
Seth Allen	Zanesville, US	2020-04-21
Nick Pisani	Orlando, Florida, US	2020-04-21
Dale Jackson	Merritt Island, US	2020-04-21
Jesse Singleton	Pinson, US	2020-04-21
Rahul Multani	Springfield Gardens, US	2020-04-21
Woori Oh	Leonia, US	2020-04-21
Blake Johnson	Athens, US	2020-04-21
Laura Garcia	Bronxville, US	2020-04-21
Stewart Loucks	Plano, US	2020-04-21
Samuel Tessier	Calgary, Canada	2020-04-21
Yasmin Abuhamdan	Toronto, Canada	2020-04-21
Madison Cross	Austin, US	2020-04-21
Denise Boyle	Hollywood, US	2020-04-21

Name	Location	Date
Brianna Tarasek	Suffield, US	2020-04-21
Luke Krivosh	Hermitage, US	2020-04-21
Jamaul McGregory	Clarksdale, US	2020-04-21
Eric Fessi	Montréal, Canada	2020-04-21
Anna Carr	Toledo, US	2020-04-21
keith owen	stouffville, Canada	2020-04-21
Collin Helgeland	Edmonds, US	2020-04-21
Geoffrey William	hamilton, Canada	2020-04-21
Chantal Brazeau	Saskatoon, Canada	2020-04-21
Devan Wood	Ancaster, Canada	2020-04-21
Murray Lumley	Toronto, Canada	2020-04-21
Robert Burns	Blind Bay, Canada	2020-04-21
Kenton Wiens	Abbotsford, Canada	2020-04-21
Gary Karapalides	Vaughan, Canada	2020-04-21
Ronald Piet	Toronto, Canada	2020-04-21
Deanna Goral	Hamilton, Canada	2020-04-21
Nicole Fachnie	Ancaster, Canada	2020-04-21
naptak lau	Toronto, Canada	2020-04-21
Nicolette Caccia	Toronto, Canada	2020-04-21
IVETA JARCICOVA	Langley, Canada	2020-04-21
David Nudds	Etobicoke, Canada	2020-04-21
roger moore	Surrey, Canada	2020-04-22

Name	Location	Date
Diane Elford	Grande Prairie, Canada	2020-04-22
Catherine Sindani	Victoria, Canada	2020-04-22
John Roy	Stoney Creek, Canada	2020-04-22
Katherine Shelley	Toronto, Canada	2020-04-22
Shorouq Aleidi	St. John's, Canada	2020-04-22
Ray Carroll	Toronto, Canada	2020-04-22
Diana Paprica	Caledonia, Canada	2020-04-22
Carroll Marina	Hamilton, Canada	2020-04-22
Devyn Thomson	Burlington, Canada	2020-04-22
Deborah Harron-Thomson	Burlington, Canada	2020-04-22
Philippa Davie	Dundas, Canada	2020-04-22
Mo Mirza	Ancaster, Canada	2020-04-22
Cheryl Yelland	Caledonia, Canada	2020-04-22
A Ingus	Canada	2020-04-22
William Reed	Painesville, US	2020-04-22
Alan Fisher	Vancouver, Canada	2020-04-22
Scott Vallance	Canada	2020-04-22
Angela Hayden	Pickering, Canada	2020-04-22
Ethan Minor	Energy, US	2020-04-22
kai's server	Belleville, US	2020-04-22
William Fleet	Halifax, Canada	2020-04-22
Carrieann Harter	New Paltz, US	2020-04-22

Name	Location	Date
Amy christie	Lake Hopatcong, US	2020-04-22
Mariia Horbenko	US	2020-04-22
jacoby keller	tonganoxie, US	2020-04-22
franklin ford	Fairburn, US	2020-04-22
Lee Akins	Enigma, US	2020-04-22
Natasha Grant	Phenix City, US	2020-04-22
David Gray	Manhanttan, US	2020-04-22
Save Club Penguin's Legacy Please	US	2020-04-22
Barb G	Philadelphia, US	2020-04-22
Nicole Lopez	Houston, US	2020-04-22
David Klebieka	New Britain, US	2020-04-22
Shada Stanley	Huntington, US	2020-04-22
Nicole Glade	West Milford, US	2020-04-22
Frederick Ferguson	Hopewell, US	2020-04-22
Het Shah	Sydney, Canada	2020-04-22
Jack Steinberg	Tampa, US	2020-04-22
Sherry Miller	Conover, North Carolina, US	2020-04-22
Paul Roope	Christiansburg, US	2020-04-22
Alison Taylor	Sudbury, Canada	2020-04-22
Danielle Thomas	Reno, US	2020-04-22
Mark Sudol	Caldwell, US	2020-04-22

Name	Location	Date
Rochelle Wilson	Ancaster, Canada	2020-04-22
Shona Mccaskie	Saint Jacobs, Canada	2020-04-22
chantale boisclair	Montréal, Canada	2020-04-22
Philippe Toussaint	Sherbrooke, Canada	2020-04-22
Marilyn Dummitt	Palm Bay, Florida, US	2020-04-22
Stephanie Haber	Hamilton, Canada	2020-04-22
Tanya Sanders	Hamilton, Canada	2020-04-22
Robert Simpson	Ancaster, Canada	2020-04-22
Marines Anraham	Hamilton, Canada	2020-04-22
Teresa Junker	Dundas, Canada	2020-04-22
Deborah Versluis	Ancaster, Canada	2020-04-22
William de Savigny	Dundas, Canada	2020-04-22
Ramona Jerome	Dundas, Canada	2020-04-22
Leanne Kwirant	Milton, Canada	2020-04-22
Nicole Zizek	Dundas, Canada	2020-04-22
Ian Milne	Dundas, Canada	2020-04-22
Karen Burns	Hamilton, Canada	2020-04-22
Christiane De Savigny	Hamilton, Canada	2020-04-22
Gail Miller	Dundas, Canada	2020-04-22
James Mackey	Hamilton, Canada	2020-04-22
Morlan rees	Scarborough, Canada	2020-04-22
Sandra Greenblatt Greenblatt	Ancaster , ON, Canada	2020-04-22

Name	Location	Date
Peg Scriver	Hamilton, Canada	2020-04-22
Klaas Walma	Dundas, Canada	2020-04-22
Lorraine Finlayson	Hamilton, Canada	2020-04-22
Christine Dalton	Hamilton, Canada	2020-04-22
Lori-Ann Sanders	Hamilton, Canada	2020-04-22
Paul Slade	Brantford, Canada	2020-04-22
John Kummer	Dundas, Canada	2020-04-22
Irina Kostritsina	Hamilton, Canada	2020-04-22
Melissa Mason	Hamilton, Canada	2020-04-22
Amanda McKenzie	Grimsby, Canada	2020-04-22
Suzanne Bauman	Hamilton, Canada	2020-04-22
mona Buckmiller	Barrie, Canada	2020-04-22
Rita St	Hamilton, Canada	2020-04-22
Barbara Duff	Dundas, Canada	2020-04-22
Ashley Luo	Richmond Hill, Canada	2020-04-22
Peter Bender	Hamilton, Canada	2020-04-22
Susan Bowler	Ancaster, Canada	2020-04-22
Hshdhs hahdhshd	chino, US	2020-04-22
Anthony Barresi	Canada	2020-04-22
Donna-Lynn Edey Haber	Brantford, Canada	2020-04-22
L Sindrey	Binbrook, Canada	2020-04-22
David MacKinnon	Sydney, Canada	2020-04-22

Name	Location	Date
Melissa Craig	Hamilton, Canada	2020-04-22
Jackie Stark	Ancaster, Canada	2020-04-22
Danielle Lancia	Burlington, Canada	2020-04-22
Marcie Jacklin	Fort Erie, Canada	2020-04-22
Brian Cumming	Dundas, Canada	2020-04-22
Helena Posner	Barrie, Canada	2020-04-22
Michael Lewis	Dundas, Canada	2020-04-22
Luc Bernier	Dundas, Canada	2020-04-22
Andrew Verbruggen	Hamilton, Canada	2020-04-22
Julie Intepe	Hamilton, Canada	2020-04-22
jayasuriya premalal	4101 Feldkirchen An Der Donau, American Samoa, US	2020-04-22
Adam Wilson	Canada	2020-04-22
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Lorna Johnston	Hamilton, Canada	2020-04-22
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Jackie Welsh	Hamilton, Canada	2020-04-23



### CITY OF HAMILTON

## PUBLIC WORKS DEPARTMENT Hamilton Water Division

то:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Susan Girt (905) 546-2424 Ext. 3250
SUBMITTED BY:	Andrew Grice Director, Hamilton Water Public Works Department
SIGNATURE:	A. Tria

### **RECOMMENDATION(S)**

That Report PW19008(h) be received.

### **EXECUTIVE SUMMARY**

This Report PW19008(h) contains information relating to the evaluation of the impacts to Cootes Paradise as a result of the combined sewage discharge from the Main/King Combined Sewer Overflow (CSO) tank. More specifically it includes the following:

- An update on the status of the Director's Order served on the City of Hamilton (City) by the Ministry of the Environment, Conservation and Parks (MECP);
- A summary of the Environmental Impact Evaluation (EIE) completed for Cootes Paradise by SLR Consulting (Canada) Ltd. (SLR) to satisfy the requirements of the MECP Director's Order, and the complete EIE attached as Appendix "A" to Report PW19008(h); and
- The City's decision on appropriate remedial actions, based on the results of the EIE to be submitted to the MECP on May 1, 2020, as required in the MECP Director's Order.

The City was served Director's Order No. 1-MRRCX (Director's Order) by the MECP on November 28, 2019, pursuant to their authority under the *Environmental Protection Act* (*EPA*) and the *Ontario Water Resources Act* (*OWRA*).

# SUBJECT: Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide) - Page 2 of 7

The Director's Order requires the City to undertake several studies to evaluate the environmental impacts of the combined sewage spill from the Main/King CSO tank. In response to the first two items of the Director's Order, on February 14, 2020 the City submitted a comprehensive Environmental Risk Assessment and associated remediation recommendations for Chedoke Creek to the MECP.

Since that time staff have worked closely with SLR to complete an EIE on Cootes Paradise which is the downstream receiver for the Main/King CSO tank. The EIE, along with the City's proposed remediation recommendations, must be submitted to the MECP by May 1, 2020 to satisfy the third requirement of the Director's Order.

The EIE was completed to assess whether there was an environmental impact to Cootes Paradise from the combined sewage discharged between January 28, 2014 and July 18, 2018 from the Main/King CSO outfall along Chedoke Creek. The evaluation included four ecosystem components: water quality, sediment quality, aquatic vegetation, and fish community. Using a variety of over 90 existing information sources, the EIE included comparisons of data (where available) representing conditions before, during and after the Main/King CSO discharge event. Locations in Cootes Paradise were compared with locations near Lower Chedoke Creek to evaluate the impacts of CSO discharge on Cootes Paradise.

The City recognizes the value of the information provided and the good faith shown by the Royal Botanical Gardens in order to respond to the Director's Order.

Generally, it was found that the CSO discharge event created short-term water quality impacts but no long-term impacts on Cootes Paradise we observed based on the information reviewed. The EIE concluded that no remediation activities are recommended pertaining to the CSO spill event and that there is also no evidence of ongoing environmental impact. Accordingly, a surface water monitoring program for the area subjected to the sewage spill, prescribed as the fourth item of the Director's Order, is unwarranted.

From an overall watershed perspective, staff are working on a water quality program, in consultation with external stakeholders, that will improve our governance of urban watercourses that receive discharges from City infrastructure. The City of Hamilton is in the process of retaining a Water Quality Technologist to oversee this program, an outline of which will be provided to the MECP by May 1, 2020, in response to the fourth item of the Director's Order.

Alternatives for Consideration – Not applicable

SUBJECT: Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide) - Page 3 of 7

### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: As part of the 2020 Water, Wastewater and Stormwater Rate Budget,

Council approved the addition of a Full Time Equivalent for the development of a water quality monitoring program. Recruitment for this position is underway, and the cost of the program is accounted for in the approved

operating budget.

Staffing: There are no staffing implications associated with the recommendations in

this report.

Legal: Legal and Risk Management Services staff will continue to provide legal

assistance as this matter unfolds.

#### HISTORICAL BACKGROUND

#### **Provincial Orders:**

The City has been served three orders related to Chedoke Creek. Provincial Officer's Order No. 1-J25YB (First Order) was served on the City of Hamilton (City) by the MECP on August 2, 2018; Provincial Officer's Order No. 1-J3XAY (Second Order) was served on the City by the MECP on November 21, 2019, and the subsequent Director's Order No. 1-MRRCX (Director's Order) was served on the City by the MECP on November 28, 2019, pursuant to their authority under the *Environmental Protection Act (EPA)* and the *Ontario Water Resources Act (OWRA)*.

Members of the General Issues Committee were advised verbally by Legal Services staff on November 20, 2019, and in Report PW19008(d)/LS1904(d) on November 27, 2019, that the second MECP Order included requirements to expand the investigation to Cootes Paradise which was unexpected and outside of the scope of the First Order and discussions staff had with the MECP. Expanding the scope of work to include Cootes Paradise would require a significant extension to the timeline and therefore on November 21, 2019, the City filed a formal request that this Second Order be reviewed by the MECP, with the hope that the new language in relation to Cootes Paradise be removed, or the timeline for completion of work be extended. Appended to the City's request for review was an opinion from the City's technical consultant, SLR Consulting (Canada) Ltd. (SLR), regarding the constraints to the feasibility of the additional work.

The results of the review by the MECP were received by the City on November 28, 2019, in the form of a Director's Order which, in summary, maintains the intent of the second Order with a deadline of February 14, 2020 for the report related to Chedoke Creek, and a deadline of May 1, 2020 for the report related to Cootes Paradise.

# SUBJECT: Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide) - Page 4 of 7

The City complied with the deadline for the Chedoke Creek report and on February 14, 2020 submitted a letter to the MECP indicating the City does not recommend remediating Chedoke Creek as a result of the unintended discharge from the Main/King CSO tank between January 2014 and July 2018.

Staff retained the services of SLR to complete the Environmental Impact Evaluation for Cootes Paradise to satisfy the remaining requirements of the Director's Order, which is discussed in further detail in this report.

The Director's order also requires the City to provide the MECP with written, biweekly progress updates. Bi-weekly meetings with the MECP are ongoing and the progress reports are being posted on the City's website.

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

N/A

#### **RELEVANT CONSULTATION**

Hamilton Water staff have been working closely with Public Health Services, Legal and Risk Management and Corporate Communications staff regarding this matter. In addition, external legal counsel who is a specialist in environmental law, and has significant experience with environmental investigations and charges, has been retained to assist City staff as this matter progresses.

#### ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

Environmental Impact Evaluation (EIE) Results:

SLR, in response to the MECP Director's Order, prepared an EIE to assess the environmental impacts to Cootes Paradise from the Main/King CSO discharge that occurred between January 2014 and July 2018.

The EIE of the Main/King CSO discharge to Cootes Paradise was based on existing information from over 90 sources. The information reviewed included reports, research publications, memoranda, emails, data sets, figures and photographs. The assessment focused on four ecosystem components:

- Water quality
- Sediment quality
- Aquatic vegetation
- Fish community

# SUBJECT: Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide) - Page 5 of 7

Contaminants of potential concern (COPCs) associated with a combined sewage discharge were identified for the evaluation of surface water quality. This process was intended to focus on COPCs that potentially caused or may continue to cause adverse impacts to the abiotic or biotic media in Cootes Paradise.

The COPCs selected for evaluation of surface water included:

- Physicochemical Dissolved Oxygen and Total Suspended Solids
- Nutrient Ammonia (as NH3, N), Nitrite, Total Kjeldahl Nitrogen, Total Phosphorus
- Metals Copper
- Bacteria E. coli

The overarching findings of the evaluation for each ecosystem component are summarized below, with detailed results available in the EIE report attached as Appendix "A" to Report PW19008(h).

Water Quality: The evaluation of surface water quality indicated that the unintended discharge from the Main / King CSO tank contributed to a short-term increase in E. coli levels at monitoring stations close to the mouth of Chedoke Creek. A potential short-term localized increase in total phosphorus concentrations was also noted for Cootes Paradise. The surface water quality data reviewed supports the conclusion that there is no evidence of long-term impact on Cootes Paradise based on water quality measurements.

Sediment Quality: Despite some data limitations, comparisons of nutrients and metals concentrations in the sediment samples obtained in Cootes Paradise near the mouth of Chedoke Creek before and after the CSO discharge event did not indicate changes in concentrations resulting from the CSO discharge event. This finding is based on the limited sediment quality data for Cootes Paradise which only includes a few sampling events and to monitoring stations near the mouth of Chedoke Creek. In addition, physical disturbance through wave action and/or bioturbation impede the ability to evaluate sediment profiles within watercourse.

Aquatic Vegetation: Information assessed does not show impacts on aquatic vegetation in Cootes Paradise associated with CSO discharge, independent from other potential influencing factors.

Fish Community: Information assessed does not show impacts on fish species relative abundance in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

# SUBJECT: Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide) - Page 6 of 7

For the above reasons, the EIE concludes that remediation of Cootes Paradise would appear unnecessary to address impacts from the Main/King CSO discharge that occurred from 2014 to 2018, and no remediation actions are recommended.

The absence of any long-term impacts in Chedoke Creek and correspondingly within Cootes Paradise due to the discharge event supports the conclusion that there is no evidence of ongoing environmental impact. Accordingly, a surface water monitoring program for the area subjected to the sewage spill is not warranted. Staff intend to submit a letter identifying this decision to the MECP Director, with the SLR report appended, by the May 1, 2020 deadline.

However, outside of the scope of this particular spill event, staff are working on a surface water quality monitoring program that will improve our overall governance of urban watercourses that receive discharges from City infrastructure. Staff have reached out to representatives from stakeholders such as Hamilton Conservation Authority, Hamilton Harbour Remedial Action Plan, Environment Hamilton and the Royal Botanical Gardens, in order to solicit feedback for this program, and to ensure communication lines between the City and our community partners remain open. The City of Hamilton is in the process of retaining a Water Quality Technologist to oversee this program, an outline of which will be provided to the MECP by May 1, 2020 as required by the Director's Order.

#### ALTERNATIVES FOR CONSIDERATION

Not applicable

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

# **Community Engagement and Participation**

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

#### **Healthy and Safe Communities**

Hamilton is a safe and supportive City where people are active, healthy, and have a high quality of life.

#### Clean and Green

Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.

#### **Built Environment and Infrastructure**

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

SUBJECT: Chedoke Creek Ministry Order Update (PW19008(h)) (City Wide) - Page 7 of 7

# **Our People and Performance**

Hamiltonians have a high level of trust and confidence in their City government.

# **APPENDICES AND SCHEDULES ATTACHED**

Appendix "A" – Cootes Paradise: Environmental Impact Evaluation, SLR Consulting (Canada) Ltd. (SLR)

Appendix A to Report PW19008(h)
Page 1 of 110



global environmental solutions

Cootes Paradise: Environmental Impact Evaluation Hamilton, Ontario

**City of Hamilton** 

April 2020

SLR Project No.: 209.40666.00001

# COOTES PARADISE: ENVIRONMENTAL IMPACT EVALUATION COOTES PARADISE

HAMILTON, ONTARIO

SLR Project No.: 209.40666.00001

Prepared by SLR Consulting (Canada) Ltd. 200 - 300 Town Centre Blvd Markham, ON L3R 5Z6

for

CITY OF HAMILTON 700 WOODWARD AVENUE, NORTH HAMILTON, ONTARIO L8R 2K3

April 22, 2020

Distribution: 1 copy – City of Hamilton

1 copy - SLR Consulting (Canada) Ltd.

#### **EXECUTIVE SUMMARY**

#### INTRODUCTION

On November 28, 2019, the Ministry of Environment, Conservation and Parks (MECP) issued a Director's Order to the City of Hamilton (the City) in relation to a combined sewage discharge from the Main/King Combined Sewer Overflow (CSO) facility to Chedoke Creek that occurred between January 28, 2014 and July 18, 2018. The Main/King CSO facility discharges to the lower section of Chedoke Creek which in turn outlets at the south shore of Cootes Paradise Marsh.

The Director's Order included requirements for an evaluation of the impacts of the sewage discharge to Cootes Paradise. The City retained SLR Consulting (Canada) Ltd. (SLR) to fulfil these requirements. Specifically, this report addresses the requirements of Item #3 and #4 of the Director's Order. Item #3 specifies that a written assessment of the environmental impact to Cootes Paradise from the sewage discharged between January 28, 2014 and July 18, 2018 should be submitted. The evaluation should include, but not necessarily be limited to:

- Identification of contaminants related to the sewage spill;
- Identification of known environmental impacts from the identified contaminants;
- Identification of anticipated ongoing environmental impacts from the identified contaminants;
- Spatial and environmental evaluation of the contaminants remaining in Cootes Paradise;
   and
- Proposed remedial actions and recommendations with justification including timelines.

In addition, Item #4 specifies that,

• 'the City shall submit to the Director a written surface water monitoring program for the impacted portion of Cootes Paradise as identified by the work performed in compliance with Item No.3 above and for Chedoke Creek. The surface water monitoring program should be designed to monitor any ongoing environmental impact on the area affected by the sewage spill described in Item No. 3 above.'

#### **APPROACH**

The Environmental Impact Evaluation (EIE) of the Main/King CSO discharge to Cootes Paradise was based on existing information from numerous sources. The information reviewed included reports, research publications, memoranda, emails, data sets, figures and photographs. The impact evaluation focused on four ecosystem components: water quality, sediment quality, aquatic vegetation and fish community. The approach to evaluate impacts was similar for the four components and included comparisons of data, where available, representing conditions before, during and after the Main/King CSO discharge that occurred from 2014 to 2018. Locations in Cootes Paradise were compared with locations near Lower Chedoke Creek as appropriate to evaluate impacts of the CSO discharge on Cootes Paradise.

#### **FINDINGS**

#### Which contaminants were identified as being related to the CSO discharge and how?

Substances deemed to be contaminants of potential concern (COPCs) associated with the CSO discharge were identified by comparing analytical chemistry from surface water samples obtained immediately downstream of the Main/king CSO during the discharge period with applicable

SLR Page i

surface water quality guidelines and/or local background conditions. Local background concentrations were generally defined as concentrations of COPC (95<sup>th</sup> percentile) obtained at sampling stations in Chedoke Creek upstream of the Main/King CSO.

The final COPCs included (low) dissolved oxygen (DO), total suspended solids (TSS), un-ionized ammonia, total ammonia as N, nitrate (NO<sub>3</sub>) as N, total Kjeldahl nitrogen (TKN), total phosphorus (TP), copper and *E. coli*.

#### Were impacts on surface water quality in Cootes Paradise identified?

Impacts on surface water quality in Cootes Paradise during the CSO discharge seem to have been limited to *E. coli* and TP (based on annual mean concentrations). The impacts were temporally limited and geographically localized. Concentrations of *E. coli* and TP above predischarge conditions were observed in 2018 only and near the mouth of Chedoke Creek and the monitoring station closest to the Bay (CP1). Understanding of the specific inputs from the CSO discharge for other water quality variables (e.g., DO and total ammonia as N) in Chedoke Creek were confounded by ongoing discharges from the former West Hamilton Landfill.

The review of surface water quality data for Chedoke Creek and Cootes Paradise indicated that COPC concentrations after the spill were comparable to concentration before the spill, supporting the conclusion that there is no evidence of long-term impact on Cootes Paradise.

#### Were impacts on sediment quality in Cootes Paradise identified?

Comparisons of select nutrients and metals concentrations in the sediment samples obtained in Cootes Paradise near the mouth of Chedoke Creek before and after the CSO discharge event did not indicate changes in concentrations resulting from the CSO discharge event. This finding is based on the limited sediment quality data for Cootes Paradise which only includes a few sampling events and to monitoring stations near the mouth of Chedoke Creek. In addition, physical disturbance through wave action and/or bioturbation confound the interpretation of sediment profiles to effectively preclude the time series of contamination in Cootes Paradise that would define the period of the CSO discharge.

#### Were impacts on aquatic vegetation identified in Cootes Paradise?

The evaluation of impacts on aquatic vegetation considered data collected for Cootes Paradise from 1996 to 2019 and scoped to 11 established aquatic vegetation monitoring stations. To the extent possible, based on available information, percent coverage of aquatic species and vegetation types (submergent, floating and emergent) was compared before, during and after the CSO discharge at locations far from (West End and North Shore – reference stations) and near (potential exposure) Lower Chedoke Creek.

Magnitude of increases and decreases in percent cover for floating and submergent vegetation types during the CSO discharge were similar to, or smaller than fluctuations prior to the CSO discharge at locations both far from, in or near Lower Chedoke Creek, thus within background variation.

Based on observations described above, and consistent with other published sources, assessment of available information does not show impacts on aquatic vegetation in Cootes Paradise associated with CSO discharge, independent from other potential influencing factors.

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#### Were impacts on fish community identified in Cootes Paradise?

Fish community characteristics were compared before, during and after the CSO discharge period at the fishway where Hamilton Harbour and Cootes Paradise join, and at locations in Cootes Paradise far from (background reference) and near (potential exposure) to Lower Chedoke Creek. To facilitate the evaluation of impacts, fish in Cootes Paradise were classified according to four trophic levels as a function of their feeding behaviors and by their tolerance to water quality.

Spatial and temporal patterns of fish species sensitivity to water quality and changes in relative abundance of trophic feeding groups indicate that fish at the fishway, in Cootes Paradise, the vicinity of Lower Spencer Creek, and Lower Chedoke Creek may be influenced by regional factors. Combined, these observations indicate that assessment of available information does not show impacts on fish species relative abundance in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

#### Were remediation measures recommended?

Options to remediate Cootes Paradise were contingent on the assessment of impacts. Post-discharge levels of contaminants in surface water (except ammonia as N and low DO, which are believed to be components of landfill leachate entering Chedoke Creek) appear consistent with pre-discharge levels. Consequently, no ongoing adverse impacts to Cootes Paradise, as a result of the Main/King CSO discharge, were documented. In addition, the assessment of available information does not show adverse impacts on aquatic vegetation or on the fish community in Cootes Paradise associated with CSO discharge, independent from other potential influencing factors. Thus, remediation is not required to address impacts from the Main/King CSO discharge that occurred from 2014 to 2018, and the 'no action' alternative was recommended.

#### Was surface water quality monitoring recommended?

The review of surface water quality data indicates that COPCs concentrations in Chedoke Creek and Cootes Paradise (near the mouth of Chedoke Creek) after the CSO discharge period are comparable to concentrations measured before the discharge event. These findings suggest that there are no persistent, elevated concentrations of COPCs associated with the Main/King CSO discharge remaining in these water bodies. The absence of any long-term impacts in Chedoke Creek and correspondingly within Cootes Paradise due to the discharge event supports the conclusion that there is no evidence of remaining environmental impact. Accordingly, a surface water monitoring program for the area affected by the sewage spill is not required.

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Appendix B: Surface Water Data - Statistical Summary

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Appendix A to Report PW19008(h) SLR Project No.: P29940666900000 April 2020

#### 1.0 INTRODUCTION

SLR Consulting (Canada) Ltd. (SLR), with assistance from CanDetec Inc, was retained by the City of Hamilton (the City) to evaluate the environmental impact to Cootes Paradise from the sewage discharged between January 28, 2014 and July 18, 2018. The purpose of this Environmental Impact Evaluation (EIE) was to evaluate the potential impacts of a Main/King Combined Sewer Overflow (CSO) discharge to the receiving environment: Cootes Paradise. The Main/King CSO facility discharges to the lower section of Chedoke Creek which in turn outlets into the south shore of Cootes Paradise Marsh.

# 1.1 Background

A sewage discharge from the Main/King CSO facility to Chedoke Creek occurred between January 28, 2014 and July 18, 2018.

On November 28, 2019, the Ministry of Environment, Conservation and Parks (MECP) issued a Director's Order to the City. This Order contained items related to the unintended discharge of wastewater from the Main/King CSO tank that included evaluation of potential impacts to Cootes Paradise. This report addresses the requirements of Item #3 and #4 of the Director's Order. Item #3 specifies that a written assessment of the environmental impact to Cootes Paradise from the sewage discharged between January 28, 2014 and July 18, 2018 should be submitted. The evaluation should include, but not necessarily be limited to:

- Identification of contaminants related to the sewage spill;
- Identification of known environmental impacts from the identified contaminants;
- Identification of anticipated on-going environmental impacts from the identified contaminants;
- Spatial and environmental evaluation of the contaminants remaining in Cootes Paradise;
   and
- Proposed remedial actions and recommendation with justification including timelines.

In addition, Item #4 specifies that,

• 'the City shall submit to the Director a written surface water monitoring program for the impacted portion of Cootes Paradise as identified by the work performed in compliance with Item No.3 above and for Chedoke Creek. The surface water monitoring program should be designed to monitor any ongoing environmental impact on the area affected by the sewage spill described in Item No. 3 above.'

#### 2.0 SITE SETTINGS

The following section provides contextual information on Cootes Paradise and its main tributaries: Spencer Creek, Ancaster Creek, Chedoke Creek and Borer's Creek. The Main/King CSO discharged to the lower section of Chedoke Creek (Figure 1, after the text).

#### 2.1 Cootes Paradise Marsh

Cootes Paradise Marsh is part of the Cootes Paradise Nature Reserve owned and managed by the Royal Botanical Gardens (RBG). Cootes Paradise is a Provincially Significant (Class I) Wetland and Area of Natural and Scientific Interest (ANSI) (City of Hamilton, 2020). In the

Hamilton Region, Cootes Paradise is listed as an Environmentally Sensitive Area (ESA). The Cootes Paradise nature sanctuary contains one of the highest biodiversity of plants per hectare in Canada and the highest biodiversity of plants in the region (City of Hamilton, 2020).

The marsh is a shallow, 320-hectare (ha) river-mouth wetland, discharging at an artificial opening into the west end of the Hamilton Harbour (City of Hamilton, 2020; Leisti et al., 2016). Cootes Paradise is approximately 3.5 kilometres (km) long, with a width ranging approximately 0.5 to 1 km at its widest, and a mean depth of 0.7 metres (m). The maximum surface area and volume of Cootes Paradise are estimated as 2.50 km² and 3.57x106 m³, respectively (Kim et al., 2018). However, the marsh is greatly affected by Lake Ontario water levels such that a 0.75 m change in the average annual water level will expose or cover 65% of marsh (Leisti et al., 2016).

The marsh transitioned from a historically mesotrophic system to a eutrophic system when the surrounding forested areas were converted to agricultural and urban land uses (Kim et al., 2018). Cootes Paradise Marsh has received nutrient inputs from agricultural run-off, urban runoff and multiple urban sources, such as effluent discharges from the Dundas Waste Water Treatment Plant (WWTP) and CSOs from the City of Hamilton (Routledge, 2012). In 1919, with the advancement of urbanization in the watershed, the Dundas WWTP was constructed, which originally discharged primary-treated sewage into Cootes Paradise with subsequent upgrades to secondary and then tertiary treatment in 1962 and 1978, respectively (Leisti et al., 2016). With tertiary treatment, most of the phosphorus is removed from the effluent before it is discharged into the marsh. In 1987, another improvement was implemented that removed sediment from the effluent prior to release. The Dundas WWTP discharges into Cootes Paradise at the Desjardins Canal (Hamilton Conservation Authority (HCA), 2010).

There are four CSO locations within the Cootes Paradise watershed: Ewen, Sterling, Royal, and Main/King. The Royal and Main/King CSOs discharge to Chedoke Creek, the Ewen CSO discharges to Ancaster Creek (a tributary to Spencer Creek), and the Sterling CSO discharges to an intermittent watercourse to Cootes Paradise when capacity of the combined sewer system is exceeded (McCormick Rankin Corporation, 2003). More than 600 km of combined sewers collect both sanitary and storm flows from an area of approximately 52 km (City of Hamilton, 2020). During dry periods and periods of light rainfall, flows are conveyed through the combined sewer system to the Woodward Avenue WWTP for treatment via the Western Sanitary Interceptor and ultimately released into Hamilton Harbour through the Red Hill Creek (McCormick Rankin Corporation, 2003). During large rainfall events, sanitary and storm water inflows exceed the capacity of the combined sewer system and the treatment plant and may overflow into the natural environment. As a result, CSO tanks were constructed in the mid-1980's, with the most recent tank commissioned in 2012, to prevent untreated wastewater from going directly into local receiving waters. The CSO tanks hold the untreated wastewater until the Woodward Avenue WWTP has capacity to treat it (City of Hamilton, 2020).

The hydraulic and nutrient loading of the marsh is predominantly driven by three main tributaries (Spencer, Chedoke and Borer's creeks) from the surrounding watershed (Kim et al., 2018). Spencer Creek accounts for the greatest phosphorus export amongst the three tributaries, contributing approximately 38% of the total annual phosphorus loading. Chedoke Creek was estimated to contribute 12% and Borer's Creek 2% (Kim et al., 2016). The contribution of urban run-off to the total annual phosphorus loading was estimated to be 20% while CSOs were estimated to contribute 14% and the Dundas WWTP 10% (Kim et al., 2016).

#### 2.2 Spencer Creek

Spencer Creek watershed is one of the major Hamilton watersheds. It includes Upper Spencer, Middle Spencer and Lower Spencer watersheds.

Upper Spencer Creek subwatershed is 35.64 km² and is composed of seven catchment basins. Middle Spencer Creek subwatershed is 49.36 km². It is the largest subwatershed in the Spencer Creek system and comprises 13 catchment basins. Lower Spencer Creek subwatershed is 8.68 km² and includes five catchment basins. Lower Spencer is the final subwatershed in the Spencer Creek system before it outlets into Cootes Paradise Marsh. The Lower Spencer Creek subwatershed incorporates the majority of the Cootes Paradise Marsh (HCA, 2010, 2011 and 2012). Land use statistics provided by HCA (2010, 2011 and 2012) are summarized in Table 2-3.

Table 2-1:
Spencer Creek Watershed Land Use Statistics (Sources: HCA 2010, 2011 and 2012)

	Upper Spencer Creek Subwatershed	Middle Spencer Creek Subwatershed	Lower Spencer Creek Subwatershed
Land Use/Descriptor	Area (km²)	Area (km²)	Area (km²)
Area	35.64	49.36	8.68
Agricultural	22.6	23.54	0.28
Commercial	0.7	3.91	0.06
Industrial	0.0008	4.75	0.12
Institutional	0.07	0.3	0.93
Open space	8	5.6	3.27
Residential	1.8	8.96	2.63
Utility	0.6	0.004	0.26
Impervious area (%)	0.01	3.5	68

Upper Spencer Creek is approximately 23 km long, the length of Middle Spencer Creek is approximately 20 km and the length of Lower Spencer Creek is approximately 3.5 km. Lower Spencer Creek outlets into the Desjardins Canal at Cootes Paradise.

HCA (2011) reported that the land use of Lower Spencer Creek subwatershed was predominately urban and that urban runoff captured by storm sewers that outlet into Lower Spencer Creek contributed to the overall input into Lower Spencer Creek, Cootes Paradise and Hamilton Harbour. As indicated earlier, Spencer Creek is estimated to be contributing 38% of the total annual phosphorus loading to Cootes Paradise (Kim et al., 2016).

#### 2.3 Ancaster Creek

Ancaster Creek watershed is a subwatershed of Spencer Creek and covers an area of 13.7 km<sup>2</sup> (HCA, 2008a). Ancaster Creek is a major tributary to the main branch of Spencer Creek (within the Lower Spencer Creek subwatershed upstream of Cootes Drive). Ancaster Creek watershed includes 0.3% wetland and 30% forest (HCA, 2008a). Land use statistics provided by HCA (2008a) are summarized in Table 2-2.

Table 2-2: Ancaster Creek Subwatershed Land Use Statistics (Source: HCA, 2008a)

Land Use/Descriptor	Area (km²)
Area	13.7
Agricultural	2.2
Commercial	0.3
Industrial	0.04
Institutional	1.0
Open space	2.3
Residential	5.6
Transportation	1.86
Utility	0.4
Impervious area (%)	36

Ancaster Creek is a coldwater system (HCA, 2008a). Several water quality concerns have been identified for Ancaster Creek, including the impacts of urban runoff (storm water) and individual and communal septic systems (McCormick Rankin Corporation, 2003).

#### 2.4 Borer's Creek

Borer's Creek watershed is a subwatershed of Spencer Creek. Borer's Creek subwatershed covers an area of 19.5 km² and the majority of the subwatershed lies above the Niagara Escarpment (Halton-Hamilton Source Protection, 2017). The Borer's Creek watershed drains into the north side of Cootes Paradise Marsh south of York Road (HCA, 2009). Highways 5 and 6 cross this subwatershed, as does the Canadian National Railway. The northeastern corner of the subwatershed includes a portion of urban Waterdown, while the remainder of the subwatershed is primarily agricultural. Borer's Creek watershed includes 4.8% wetland, 51.6% naturally vegetated streambanks, 15% forest and 29.5% impervious surface (Hamilton Watershed Stewardship Program, non-dated). Land use statistics provided by HCA (2009) are summarized in Table 2-3.

Table 2-3:
Borer's Creek Subwatershed Land Use Statistics
(Source: HCA 2009)

Land Use/Descriptor	Area (km²)
Area	19.5
Agricultural	9.71
Commercial	0.52
Industrial	0.74
Institutional	0.19
Open space	1.33
Residential	3.9
Transportation	-
Utility	0.05
Impervious area (%)	29.5

Borers Creek is approximately 11.9 km in length from its headwaters to its confluence with Cootes Paradise (HCA, 2009). Borer's Creek is described as a warmwater system above the Escarpment and a coolwater system below the Escarpment (Hamilton Watershed Stewardship Program, nondated). HCA (2009) reported that results of benthic fauna sampling above the Escarpment, where both urban and agricultural land uses are prevalent, suggested stressed water quality conditions. "A number of water quality impairments including nutrient and organic enrichment, high suspended solid loads, and variable water temperature and flows, have been identified as the cause of this impaired water quality" (HCA, 2009). Water quality conditions downstream of the escarpment was noted to improve with groundwater inputs and shade provided by the extensive woodlands around the stream. Rainbow darter (Etheostoma caeruleum) have been found in Borer's Creek immediately below the escarpment (HCA, 2009).

#### 2.5 Chedoke Creek

Chedoke Creek watershed covers an area of 25.1 km², with the headwaters located above the Niagara Escarpment. Chedoke Creek flows eastward and aligns parallel with Highway 403, within its lower section, before flowing into the south shore of Cootes Paradise Marsh. Chedoke Creek combined with Ancaster Creek and Borer's Creek account for 16% of the total watershed of the Cootes Paradise Marsh (Cootes Paradise Water Quality Group, 2012).

The watershed is predominantly urbanized with more than 70% of impervious surface. HCA (2008b) noted that "much of the Chedoke Creek subwatershed has been altered over time as a result of intense urban development within the Hamilton area; subsequently the majority of the stream flow directly results from storm water input. Therefore, erosion, sedimentation and insufficient channel sizes occur at the outlet". HCA (2008b) inventoried 19 storm water outfalls, including two CSOs discharging to Chedoke Creek. Land use statistics provided by HCA (2008b) are summarized in Table 2-4.

Table 2-4: Chedoke Creek Subwatershed Land Use Statistics (Source: HCA 2008b)

Land Use/Descriptor	Area (km²)
Area	25.1
Agricultural	0.001
Commercial	0.7
Industrial	0.6
Institutional	3.2
Open space	3.0
Residential	11.0
Transportation	5.5
Utility	1.1
Impervious area (%)	76

Chedoke Creek is a warmwater system. Much of its length has been straightened and channelized and a significant length of stream is conveyed underground between Main Street, King Street West, and Highway 403. Downstream of Highway 403 and the Main Street Interchange, Chedoke Creek has been straightened and is characterized as a large drainage canal to Cootes Paradise. Chedoke Creek has been assessed as marginal fish habitat due to the highly altered nature of the watercourse.

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Water quality in Chedoke Creek indicates contamination with urban sewage and cross connections, and urban runoff with high levels of nitrate, phosphorus and bacteria (*E. coli* and total coliform) commonly observed (Vander Hout et al., 2015). Chedoke Creek is generally considered to have degraded habitat conditions for aquatic life (SNC Lavalin, 2017). Chedoke Creek is estimated to be contributing 12% of the total annual phosphorus loading to Cootes Paradise (Kim et al., 2016).

The waters of Chedoke Creek are reported to "bypass the majority of Cootes Paradise as it enters the marsh near the outlet to the harbour with minimal impact to the centre of the marsh" (Theÿsmeÿer as cited in Cootes Paradise Water Quality Group, 2012).

The sections above describe characteristics of contributing catchments to Cootes Paradise providing background context. Detailed evaluation of the study area relies on data from Cootes Paradise and Chedoke Creek to assess potential impacts resulting from the Main/King CSO discharge.

#### 3.0 INFORMATION GATHERING AND REVIEW

Assessment of potential impacts from the Main/King CSO discharge event to Cootes Paradise were assessed based on existing information from numerous sources. Where applicable information was available, surface water quality data, sediment quality data, aquatic vegetation and fish community data were compared with data from before, during and after the CSO discharge that occurred from 2014 to 2018.

### 3.1 Approach

Available information was gathered from numerous sources, including the following:

- City of Hamilton,
- Royal Botanical Gardens (RBG),
- Hamilton Conservation Authority (HCA),
- Hamilton Harbour Remedial Action Plan (HHRAP), and
- University of Toronto, Scarborough (UTSC).

The information reviewed included reports, research publications, memoranda, emails, data sets, figures and photographs. Each information source was initially assigned a document number and saved in a document library. A preliminary review of each information source was assigned an overall recommendation of the relevance of the information source (i.e., highly relevant, somewhat relevant, perhaps relevant to other disciplines, or not relevant to project). The most relevant information sources were reviewed further using the following criteria:

- Primary subject (e.g., water quality, sediment quality, aquatic vegetation, benthic invertebrates, fish);
- Timing relevant to period of sewage discharge;
- Study area, including sampling locations;
- Parameters related to storm and sanitary discharge;
- Analytical approach (e.g., trends, standards, objectives, guidelines);
- Validity of the information or data; and
- Identification of data gaps.

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# 3.2 Analysis of Information

An extensive review was undertaken with over 93 information sources reviewed and summarized (Appendix A). The most relevant information was synthesized and used to evaluate the potential impacts of the discharge to the receiving environment, Cootes Paradise, including the following:

- Produced study areas from established sampling locations;
- Assessed relative magnitude of concentrations before, during and after discharge period;
- Considered other external factors that made interpretation of the magnitude of impacts difficult (e.g., lake water levels, limited data, other sources of contaminants to Chedoke Creek, other sources to Cootes Paradise);
- Considered data deficiencies or data gaps:
  - Surface water quality,
  - Sediment quality
  - Aquatic vegetation,
  - o Benthic invertebrate indices, and
  - o Relative abundance of fish species;
- Compared and screened against guidelines and objectives (i.e., water quality); and
- Synthesised and compared results from similar methods to identify potential impacts.

# 4.0 IDENTIFICATION OF CONTAMINANTS OF POTENTIAL CONCERN

Contaminants of potential concern (COPCs) are substances that occur in environmental media, at concentrations potentially sufficient to cause adverse impacts on ecological receptors, typically as a result of anthropogenic activity. In the current report, substances deemed to be COPCs associated with the sewage discharge that occurred between January 28, 2014 and July 18, 2018 were identified. The COPCs were then carried forward into the evaluation of impacts (Section 5.0). This process was intended to focus efforts on those discharge-related contaminants that potentially caused or may continue to cause adverse impacts to the abiotic or biotic media in Cootes Paradise.

#### 4.1 Approach

The COPC identification (or screening) process comprised the following four steps:

- Step 1: Compilation of dataset;
- Step 2: Compilation of Screening Benchmarks;
- Step 3: Identification of Preliminary COPCs; and
- Step 4: Refinement of COPCs.

#### 4.1.1 Step 1: Compilation of dataset

The environmental medium considered in the COPC identification was surface water because the sources of contaminants was a CSO discharge to surface water. Two sampling stations located immediately downstream of the Main/King CSO were used for COPC identification: STN1 and CP11-outlet (Figure 2, after the text). The available surface water data from sampling events completed at these two locations during the discharge period (January 28, 2014 to July 18, 2018) were included in the dataset used for COPC identification. The dataset included a total of 32 surface samples, including eight field duplicates. The samples were collected between April 16, 2014 and July 18, 2018. The samples included in the dataset were analysed for one or more of the following parameter or group of parameters:

- Total suspended solids (TSS);
- Dissolved Oxygen (DO);
- pH;
- Anions;
- Nutrients;
- Total metals; and
- Bacteria (E. coli)

The dataset used for screening of COPCs is summarized in Appendix B.

#### 4.1.2 Step 2: Compilation of Screening Benchmarks

The surface water results were compared to the Provincial Water Quality Objectives (PWQOs) and Interim PWQOs for the Protection of Aquatic Life (MOE¹, 1994 and updates) to identify COPCs. Where PWQOs were unavailable, guidelines and standards from other jurisdictions were selected if methods and protection goals aligned with MECP approaches. Additional sources of screening benchmarks included:

- Canadian Environmental Quality Guidelines (CCME) Water Quality Guidelines (WQG) for the Protection of Aquatic Life (CCME, 2008);
- BC Approved WQG for the Protection of Freshwater Aquatic Life (AWF) Long-term Values (BC ENV, 2019); and
- BC Working WQGs for the Protection of AWF Long-term Values (BC ENV, 2017).

The long-term values were selected, when available.

#### 4.1.3 Step 3: Identification of Preliminary COPCs

Surface water COPCs were identified by comparing the selected screening benchmark to the maximum concentration identified in the dataset representing the discharge period. This approach was used to ensure that all substances potentially adversely affecting aquatic life were identified. If no guideline was available for a parameter, it was retained as an uncertain COPC.

As a summary, substances in surface water were identified as a preliminary COPC ("Yes"), not a COPC ("No"), or an uncertain preliminary COPC ("Uncertain") using the following decision criteria:

- Maximum > Preliminary Screening Benchmark = Yes;
- Maximum < Preliminary Screening Benchmark = No;</li>
- Not detected and maximum detection limit < Preliminary Screening Benchmark = No;</li>
- No screening benchmark = Uncertain.

<sup>1</sup> Now the Ministry of Environment Conservation and Parks (MECP)

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#### 4.1.4 Step 4: Refinement of COPCs

To ensure that the impact assessment focused on evaluating the COPCs associated with the CSO discharge event, a COPC refinement process was implemented. COPC refinement was based on comparison to local background concentrations. Local background concentrations are defined, in this report, as concentrations of COPC obtained at sampling stations CC-3 and CC-5 in Chedoke Creek upstream of the Main/King CSO (Figure 2, after the text). Surface water quality data for the upstream samples were available in 2018 during the spill. These data were used to calculate the upper limit of background (95<sup>th</sup> percentile) during this period. Data were available for TSS, pH, DO, *E. coli* and nutrients. Metal data were not available in Chedoke Creek upstream of the Main/King CSO during the discharge event. For this reason, 95<sup>th</sup> percentiles for metals were calculated for the location immediately downstream of the CSO (STN1) using data obtained before the discharge event (May 2002- October 2013) (SNC-Lavalin, 2019).

As a summary, a preliminary COPC or an uncertain COPC was retained as a final COPC ("Yes"), or excluded as a COPC ("No"), using the following decision criteria:

- Maximum < 95<sup>th</sup> percentile during discharge event at local upstream Chedoke Creek Locations = No;
- Maximum < 95<sup>th</sup> percentile before the discharge event at location STN1 immediately downstream of Main/King CSO = No;
- Maximum > 95<sup>th</sup> percentile during discharge event at local upstream Chedoke Creek Locations = Yes; and
- Maximum> 95<sup>th</sup> percentile before the discharge event at location STN1 immediately downstream of Main/King CSO = Yes.

#### 4.2 Findings

The preliminary and final COPC screening results are summarized in Table 4-1 and discussed below the table. Table 1, after the text, provides details on the parameters screened, 95<sup>th</sup> percentile values and applicable screening benchmarks.

Table 4-1: Summary of Preliminary and Final COPCs

Parameter or group of Parameters	Preliminary COPCs	Preliminary Uncertain COPCs	Final COPCs
Physicochemical	DO	TSS	DO and TSS
Nutrient	Un-ionized ammonia, nitrate, nitrite, total phosphorus (TP)	Ammonia as N and total Kjeldahl nitrogen (TKN)	Un-ionized ammonia, Ammonia as N, nitrite, TKN and TP
Metals	Boron, chromium, cobalt, copper, iron and zinc	Barium, calcium magnesium, sodium	Copper
Bacteria	E coli	-	E coli

DO, un-ionized ammonia, nitrate and nitrite as N, total phosphorus, boron, chromium, cobalt, copper, iron, zinc and *E. coli* were selected as preliminary COPCs based on the maximum concentrations exceeding the preliminary screening benchmarks (PWQO or WQGs).

These COPCs, apart from nitrate, boron, chromium, cobalt, iron and zinc, were retained as final COPCs based on the maximum concentrations exceeding the refined screening benchmarks (e.g., 95<sup>th</sup> percentiles at local upstream background or at STN1 before the discharge event). Nitrate, chromium, cobalt, iron and zinc were not retained as final COPCs because the maximum concentrations during the spill were less or equal to the upper limit of the concentrations (95<sup>th</sup> percentiles) obtained at STN1 before the discharge event.

The PWQO for boron is an interim objective set for emergency purposes based on the best information readily available and was not subject to peer review and formal publication (MOE, 1994 and updates). All total boron concentrations are less than the CCME long-term WQG for the Protection of Aquatic Life of 1500  $\mu$ g/L². Boron was therefore not retained as a final COPC in surface water.

TSS, ammonia as N, TKN, barium, calcium magnesium and sodium were identified as preliminary uncertain COPCs based on the lack of screening benchmarks for these parameters. TSS was retained as a final COPC based on the maximum concentration exceeding the 95<sup>th</sup> percentile at the local upstream background locations. Note that the decision to retain TSS is considered to be conservative as higher TSS values were observed immediately downstream of the Main/King CSO prior to the discharge event (Table 1, after the text). Ammonia as N and TKN were retained as final COPCs based on the maximum concentrations exceeding the 95<sup>th</sup> percentiles at the local upstream background locations and/or immediately downstream of the CSO prior to the discharge event. Barium, calcium, magnesium and sodium were dismissed as final COPCs because the maximum concentrations were lower than the 95<sup>th</sup> percentiles obtained immediately downstream of the CSO before the discharge event.

#### 5.0 IMPACTS EVALUATION

#### 5.1 Surface Water

An evaluation of the impacts of the Main/King CSO discharge event on surface water quality in Chedoke Creek and Cootes Paradise was undertaken. This evaluation was undertaken to assess the impact of the discharge on the water quality of Chedoke Creek and subsequently on Cootes Paradise. The COPCs identified in Section 4.2 were used to guide the selection of surface water quality variables considered here.

With respect to surface water quality in Cootes Paradise, only stations proximal to the mouth of Chedoke Creek were considered for direct comparison with the surface water quality of Chedoke Creek. The stations further afield suggested other factors were more likely dominant; nevertheless, an evaluation of surface water quality in Cootes Paradise was undertaken which focused on six monitoring stations selected to represent a spatial gradient from the mouth of Chedoke Creek to the farther shore of Cootes Paradise.

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<sup>&</sup>lt;sup>2</sup> The CCME WQG for boron was developed in 2009 following CCME protocol (CCME, 2009).

### 5.2 Approach

The evaluation of surface water quality in Chedoke Creek focused on the following components:

- 1. Evaluation of available data sources that could provide sufficient, comparable data for establishing baseline conditions (before the discharge event), defining conditions during the event (i.e., samples between January 28, 2014 and July 18, 2018) and for assessing whether or not conditions returned to baseline after the event;
- 2. Assessment of the measured data with respect to their ability to differentiate between wet or storm event samples versus low flow or dry condition samples;
- 3. Evaluation and analysis of external influences on the quality of Chedoke Creek water;
- 4. Evaluation of COPCs in Chedoke Creek under before, during and post-discharge event conditions;
- 5. Evaluation of COPCs in Cootes Paradise proximal to the mouth of Chedoke Creek under before, during and post-discharge event conditions; and,
- 6. An evaluation of water quality in Cootes Paradise based on six monitoring stations selected to represent a spatial gradient from the mouth of Chedoke Creek to the farther shore of Cootes Paradise.

#### 5.2.1 Surface Water Dataset

#### 5.2.1.1 Available Data Sources

Surface water quality data used to support the assessment of surface water conditions in Chedoke Creek and Cootes Paradise were available from the following four main sources:

- West Hamilton Landfill Leachate Collection System Performance Report 2002-2019 (SNC Lavalin, 2018, 2019 and 2020);
- Hamilton Conservation Authority Tributary Monitoring for Cootes Paradise 2015, 2018,
   2019 (Excel dataset provided by the City of Hamilton);
- Royal Botanical Gardens Cootes Paradise Monitoring 1994-2019 (Excel dataset provided by the City of Hamilton); and,
- Chedoke Creek Ecological Risk Assessment 2019 (SLR, 2020.

Table 5-1 summarizes the surface water quality data used in the evaluation of surface water quality. Figure 2, after the text, shows the locations of the surface water sampling stations.

Table 5-1: Summary of Surface Water Data

Location	Station ID	Yeara	Parameters <sup>b</sup>	Source
Chedoke Creek Upstream of Main/King CSO	CC-5, CC-5a <sup>o</sup> and CC-3	April 2018- December 2019	TSS, DO, pH, nutrients, <i>E. coli</i> ,	HCA Excel datasheet <sup>d</sup>
	STN1	May 2002 - October 2019	TSS, DO, pH, nutrients, total metals	SNC Lavalin, 2017b and 2019
Chedoke Creek Immediately downstream	CP11-Outlet	June-September 2018	TSS, DO, pH, nutrients, <i>E. coli</i>	HCA Excel datasheet
of Main/King CSO	C-1 West and G-1 Comp	September 2019	TSS, DO, pH, nutrients, <i>E. coli,</i> total metals	SLR, 2020

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Location	Station ID	Yeara	Parameters <sup>b</sup>	Source
	CC1 and CP11	May 2002- October 2019	TSS, DO, pH, nutrients, <i>E. coli</i>	HCA Excel datasheetd
Chedoke Creek downstream of Main/King	STN3, SWC2, STN4, STN7 and STN 9	May 2002 - October 2019	TSS, DO, pH, nutrients, total metals	SNC Lavalin, 2017b and 2019
CSO	C-3 Centre, C-3 West, C-4 West, C-5 east and G-4 Comp	September 2019	TSS, DO, pH, nutrients, <i>E. coli,</i> total metals	SLR, 2020
Cootos Deradios	CP11.2, CP1, CP2, CP5 and CP20	May 2002- October 2019	TSS, DO, pH, nutrients, <i>E. coli</i>	RBG Excel datasheetd
Cootes Paradise	Boat Launch	September 2019	TSS, DO, pH, nutrients, <i>E. coli,</i> total metals	SLR, 2020

a-Sampling dates do not provide full yearly records, limited sampling occurred each year; not all stations were sampled on same dates

Two surface water quality monitoring stations, CP11.2 and C-6 East, were located in Cootes Paradise near the mouth of Chedoke Creek and were considered in association with both the Chedoke Creek and Cootes Paradise stations. Three stations, CP1, CP2 and CP20, were located in the main body of Cootes Paradise. One station, CP5, was located in West Pond (Figure 2, after the text). Station CP11, at the downstream end of Chedoke Creek was also added to the Cootes Paradise dataset to provide a reference for Chedoke Creek water quality discharging into the marsh.

#### 5.2.1.2 Data Limitations

Assembling the dataset for Chedoke Creek presented a number of limitations that can be summarized as follows:

- Limited Data the number of samples vary annually within and between the source datasets. For example, the SNC-Lavalin (2019) data set generally consisted of two to three samples annually throughout the record that extended from 2002 to 2019, whereas the upstream stations sampled by the HCA included as many as 19 samples annually but only in 2018 and 2019 with a few samples prior to those years. CP11-Outlet (located at the downstream end of the Glen Road box culvert) was a temporary location which was only sampled in 2018: three times during the discharge event and five times after it ceased discharging.
- Poor representation of samples over the hydrologic cycle Neither the RBG dataset nor the SNC-Lavalin (2019) dataset for Chedoke Creek provided documentation regarding stream flow at the time of sampling.
- Surface water quality variables measured were inconsistent; therefore, limiting the pooling of data The SNC-Lavalin (2019) data set included nutrients, biophysicals and metals but not bacteria, whereas the HCA data included nutrients, biophysicals and *E. coli* but metals were only sampled in 2015.
- Storm flow versus base flow With the exception of the HCA data, most samples were not differentiated between low or base flow versus storm flows which makes partitioning of storm flow data, when CSO flows should be highest, difficult to impossible especially given the absence of continuous discharge records for Chedoke Creek.

b-Not all stations were sampled for all parameters

c- Station CC-5 and CC-5a were combined for statistical analysis.

d-provided by City of Hamilton

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HCA (2019) partitioned their data with respect to wet events and dry or base flow conditions as illustrated in Table 5-2 for station CP11 in Chedoke Creek. The standard deviation for the wet and dry event averages were not provided although the small differences in measured concentrations at CP11 between the dry and wet events would suggest that the concentrations are not statistically different given the natural variability of concentrations of TP, TSS and nitrate in Chedoke Creek which is discussed further below. There may be a statistical difference between wet and dry events for *E. coli.* but without further information this cannot be assessed.

Table 5-2:
Average Concentrations (for Dry or Base Flow, Wet Events, and Total Samples) for Station CP11 in Chedoke Creek (HCA, 2019) for Selected Water Quality Variables

Surface Water Quality Parameter	Dry Flow or Wet Event	Average Concentration CP11
TP (mg/L)	Dry (21 events)	0.506
	Wet (5 events)	0.490
	Total (26 events)	0.497
TSS (mg/L)	Dry Events	19.19
	Wet Events	13.18
	Total Average	17.99
Nitrate (mg/L)	Dry (21 events)	1.70
	Wet (5 events)	0.943
	Total (26 events)	1.492
E. coli	Dry (21 events)	14626.2
(CFU/100mL)	Wet (5 events)	446736.0
	Total (26 events)	19471.0

Based on the wide variability in the selected water quality indicators considered in this report and the other limitations in the data set as noted above, it was determined that the appropriate means to approach the comparison would be to partition the data sets with respect to baseline conditions (before the discharge event), defining conditions during the event (i.e., samples between January 28, 2014 and July 18, 2018) and assessing whether or not conditions returned to baseline after the event (post July 18, 2018). This approach would provide potentially broad characterizations of surface water quality with larger data sets that should provide greater confidence if differences were identified temporally and/or spatially.

Flow data, the calculation of loads and the apportionment of loads to different sources would have provided an alternative assessment. However, a hydrograph could be simulated for Chedoke Creek based on a pro-rated flow model utilizing data from Spencer Creek, Red Hill Creek and Grindstone Creek, all of which have extensive flow records, this effort would have provided limited additional understanding of the impact of the discharge event as there is no data of the volume discharged from the CSO relative to total discharge volume of Chedoke Creek. Thus, the best that could be calculated is total annual loading between the baseline conditions and those of the discharge event. The data limitations noted above, and in particular the absence of quality and quantity data from the CSO, limited any understanding that could be gained from this approach, thus making it a futile exercise.

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#### 5.3 Findings - Chedoke Creek

The final COPCs identified in Section 4 were DO, TSS, ammonia (un-ionized), ammonia as N, nitrite, TKN, TP, copper and *E. coli*. Consistent data to evaluate the impact of the CSO discharge were available only for an assessment of DO, TSS, un-ionized ammonia TP and *E coli*. Although *E. coli* data were only available at a limited number of sample stations (CC-5, CC-3, CP11-Outlet, CP11, C6-East in Chedoke Creek and CP11-2 and CP 1 in Cootes Paradise near the mouth of Chedoke Creek). Copper data were only available from the SNC-Lavalin (2019) data set and will only be briefly considered here. The data sets for nitrite and TKN were too limited and will not be considered.

#### 5.3.1 West Hamilton Landfill

As noted, one of the main sources of data for Chedoke Creek was from the receiving water samples collected as part of the landfill leachate monitoring and leachate collection system performance reports that have collected data since 2002 from Chedoke Creek. The former West Hamilton Landfill, now referred to as Kay Drage Park is located north of King Street between the CP Rail Line and Highway 403. The landfill operated from the 1940s through to 1974 although cover and foundry sand continued to be added until 1977 (SNC-Lavalin, 2019). The landfill is located between the natural high bar formed during the post-glacial Lake Iroquois and the current location of Chedoke Creek and Cootes Paradise. This bar, located to the northeast of the landfill, consists of sands and gravels with groundwater distributed between Hamilton Harbour to the northeast and Chedoke Creek and Cootes Paradise to the west.

Chedoke Creek and the landfill are within a valley cut into the Queenston Shale. The post-glacial overburden within the valley consists of alluvial sediments, glacio-fluvial sand and glacio-lacustrine clay, silt and sand that may be in excess of 50 m thick (SNC-Lavalin, 2019).

Peto MacCallum Ltd. (2006) completed 12 boreholes in support of a slope stability study between Highway 403 and Chedoke Creek downstream of Glenn Road. Lake Ontario water levels in June 2006 when these boreholes were completed was 74.89 m above sea level (masl) (http://www.tides.gc.ca/C&A/network means-eng.html#tabs1 5). Lake Ontario water levels were normal in 2006 with limited variability due to the control of the water levels. The boreholes were completed to elevations generally between 72 and 68 m asl, or up to almost 7 m below the water level of Chedoke Creek. The logs from the boreholes generally showed completion into clay at around 70 masl or over 4 m below the water level in Chedoke Creek at the time. Above the clay there were layers of variable thickness of permeable sand and gravel, sand, silty sand, alluvium and in some cases organic layers with these intermixed with less permeable silty clay to clay layers. In general, permeable strata dominated at comparable elevations to Chedoke Creek.

Urban and Environmental Management Inc. (UEM) (2016) completed a groundwater quality monitoring report covering the period 2009 to 2015. Surface water quality variables measured were inconsistent; therefore, limiting the pooling of data. The SNC-Lavalin (2019) data set included nutrients, biophysicals and metals but not bacteria whereas the HCA data (Excel dataset provided by the City of Hamilton) included nutrients, biophysicals and *E. coli*.

The fill material within the landfill had been described by Gartner Lee (2001) generally as:

- A cover layer of clay/sand about 1 m thick;
- Middle layer: foundry sand between 3 to 5 m thick; and
- Bottom layer: 7 10 m of municipal waste.

The municipal waste, as described in the core logs, consisted of mixed plastic, wood, metal, glass, wire and paper and other debris (Gartner Lee, 2001). In general, the landfill extended to about 10 m below ground surface (bgs) and where boreholes continued, interbedded layers of sandy-silt and clayey silt were identified to a depth of 18 m bgs. Leachate from the shallow monitor wells downgradient from the landfill generally showed PWQO exceedances for phenols, un-ionized ammonia, chloride, boron, cadmium, cobalt, copper and zinc (UEM, 2016).

In 2005 a leachate purge well system was installed at a known seep location to Chedoke Creek. The purge well system was replaced in late 2007 and early 2008 with a perforated infiltration pipe along Chedoke Creek and at 300 mm above the general water level. An extension of the original infiltration drain was added to the south between April and October 2017 during which time the leachate collection system was not operated except for some time in July (SNC-Lavalin, 2019).

The purpose of this discussion regarding the landfill was to demonstrate that, as is evident from the leachate assessment reports, the infiltration drain is intercepting substantial quantities of leachate from the landfill. However, there remains the potential for considerable quantities of leachate to reach Chedoke Creek. Groundwater circulation into Chedoke Creek will continue in the approximately 4 m of permeable substrate beneath the infiltration drain. Once groundwater elevation drops below the elevation of the invert of the drain, it will no longer effectively intercept the leachate which will then surface in Chedoke Creek. In contrast, high water levels in Chedoke Creek can result in a reversed gradient with flow from the creek into the drain. This is evidenced in the 2017 monitoring year (SNC-Lavalin, 2018) when the high pump volumes in March and April were attributed to the elevated water level in the creek (Figure 5-1). The pump was generally not operating from April to October as noted above. The reduced pumping volumes in October to December were attributed to lower creek water levels and reduced leachate production due to low precipitation (SNC-Lavalin, 2018). Nevertheless, loadings of leachate to Chedoke Creek, while not quantified, can reasonably be expected to occur at elevations below the drain and the potential impact of this contribution to Chedoke Creek surface water quality must be considered in the context of the discharge event from the CSO between 2014 to 2018.

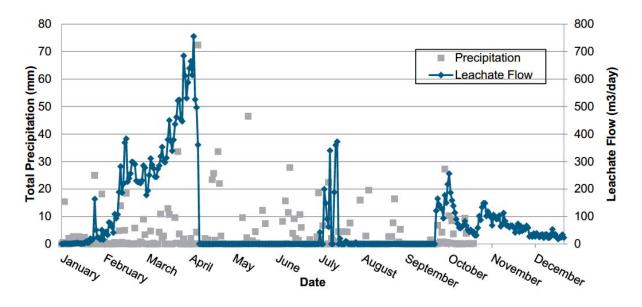


Figure 5-1:
Daily leachate pump volumes from perforated drain and precipitation, 2017
(SNC-Lavalin, 2018)

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#### 5.3.2 Chedoke Creek Surface Water Quality

As noted above, the aggregated data sets will be considered for the COPCs with sufficient data to evaluate conditions in Chedoke Creek and in particular to assess whether or not a measurable impact from the January 28, 2014 to July 18, 2018 discharge can be discerned relative to the baseline (pre-2014) and post event quality. Data from the surface water receiver monitoring study of the leachate collection performance reports will also be considered. These data help understand the possible impact of the leachate discharging to Chedoke Creek and provide context to conditions observed in the creek. Statistical summaries of the water quality data are provided in Appendix B.

#### 5.3.2.1 Dissolved Oxygen (DO)

The DO pattern in the creek prior to January 2014 was on average relatively stable between 10 and 12 mg/L but with considerable variance as indicated by the 1 standard deviation bars in Figure 5-2. The lowest DO concentration in Chedoke prior to January 2014 was 2.2 mg/L recorded at STN7. Concentrations in Cootes Paradise (CP1) were comparable to concentrations in Chedoke Creek.

During the discharge event, DO concentrations drop by about 7 mg/L between upstream and downstream of the CSO outfall (CP11-Outlet) but tended to recover at STN1, likely because of the drop structure located just upstream of STN 1. This would serve to aerate the water. However, DO drops in Chedoke Creek downstream during the discharge event with average concentrations as low as 6 mg/L at STN 7 and extreme minimums as low as 2.2 mg/L.

Except for CP11, the post July 2018 data set does not return to the DO levels that apparently existed prior to the discharge event. This may be due to the limited number of samples used to characterize conditions post July 2018 (e.g. 6 samples at STN 1 versus 34 samples at CP11).

The increase in DO at CP11 shown on Figure 5-2 for the periods before, during and after the discharge generally reflects the large number of samples taken at this location relative to other sample sites. The additional samples at CP11 provide a better characterization of baseline (n = 97), discharge event (n = 79) and post discharge event (n = 35) over a broader range of conditions as compared to the other sites. By comparison, the DO average concentration for the STN7, immediately upstream, is based on n = 22 for baseline conditions, n = 14 for the discharge event and n = 3 for the post discharge event period. Similarly, the low DO measurements at CP11-Outlet were based on only 3 samples representing the discharge event in 2018 and these three samples do not adequately represent conditions over the four years of the discharge event.

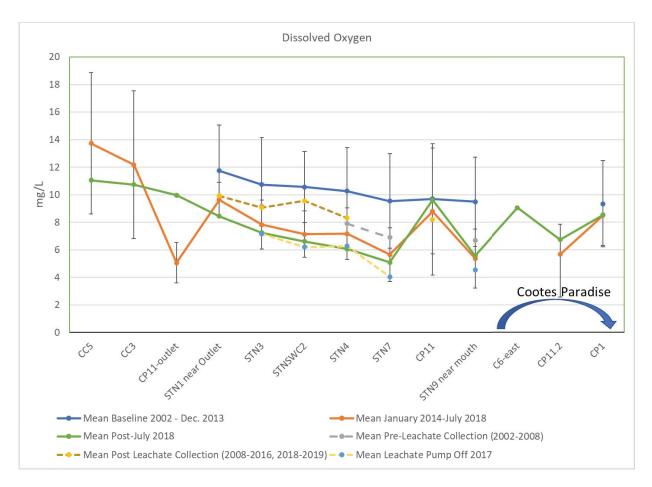


Figure 5-2: Chedoke Creek and Cootes Paradise dissolved oxygen concentrations

The DO concentrations for the pre-leachate collection period, the mean post-leachate collection period and the period when the leachate pump was off are also illustrated here. UEM (2016) reported quite variable DO concentrations in groundwater from the landfill from 1.4 to 7.8 mg/L. It appears that leachate entering the creek may be causing the DO sag downstream of STN1. This is supported by the post July 2018 data which parallel the DO concentrations measured in 2017 when the leachate pump was shut down which would result in a higher loading of leachate to the creek. The impact of the leachate on DO in Chedoke Creek is less apparent with the more extensive sampling conducted at CP11 and this may be attributable to the sample number differential (n = 6 for post July, 2018 at STN1 versus n = 35 for CP11). When data were available, concentrations of DO rose in Cootes Paradise relative to Chedoke Creek. Sediment samples collected in Chedoke Creek in 2019 by SLR consisted predominantly of sand and silt with low organic matter which would not result in an oxygen demand within the creek itself.

In conclusion, the discharge event appeared to have a short-lived impact on DO in Chedoke Creek, but this was mitigated fully by the aeration achieved at the drop structure. The DO sag in Chedoke Creek downstream of STN1 is probably due to the continuous loading of low DO leachate water into the creek especially during baseflow conditions typified by the SNC-Lavalin data set. Data limitations complicate the interpretation of the data and the differentiation of a cause-effect relationship with respect to the discharge event.

#### 5.3.2.2 Total Suspended Solids (TSS)

Average baseline concentrations of TSS (pre-2014) in Chedoke Creek ranged between 15 and 30 mg/L with considerable individual sample variability as evidenced by the 1 standard deviation bars provided in Figure 5-3. Relative to these baseline conditions and the TSS concentrations post-July 2018, the CSO discharge event tended to increase TSS concentration on average by 25 to 40 mg/L. However, this is within the range of the natural variance of TSS at STN1 prior to 2014. Downstream of STN1, TSS ranged from 12 to 31 mg/L through to STN 9 with a high degree of individual sample variability. TSS did rise in Cootes Paradise likely due to factors unrelated to input from Chedoke Creek.

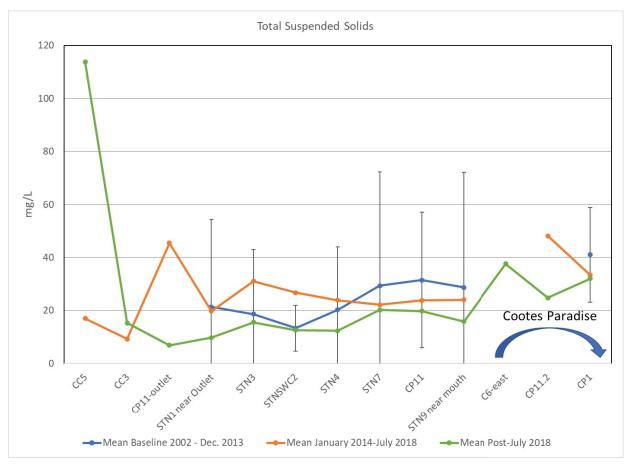


Figure 5-3:
Chedoke Creek and Cootes Paradise total suspended solids concentrations

Groundwater carrying leachate will not contain significant concentrations of particles: therefore, the TSS impact of the leachate will be minimal. In summary, while the discharge event did have some direct impact on TSS in Chedoke Creek, this was quickly assimilated downstream and was not outside of the natural variability of TSS within this section of Chedoke Creek.

#### 5.3.2.3 Ammonia as N

Ammonia measured as N baseline concentrations in Chedoke Creek show low levels at Stn. 1 (0.09 mg/L) but concentrations rise consistently downstream peaking an order of magnitude higher at STN4 and STN9 at 0.77 and 0.75 mg/L, respectively (Figure 5-4). These concentrations

are very similar to concentrations measured after July 2018. When the stream data for post-leachate collection and with the leachate pump off in 2017 are plotted, it is evident that there is a contribution of ammonia from the leachate both when the pump is operating and especially when the pump was not operating in 2017. Unfortunately, there are no data for CP11 – Outlet although the mean concentrations between January 2014 and July 2018 suggest there is a bump of about 1 mg/L at STN1 with a gradual rise through the system to STN9 at 2.3 mg/L. This increase would appear to be primarily attributable to the unquantified impact of leachate reaching Chedoke Creek. Concentrations in Cootes Paradise near the mouth of Chedoke Creek quickly declined to around 0.01 mg/L during the discharge event.

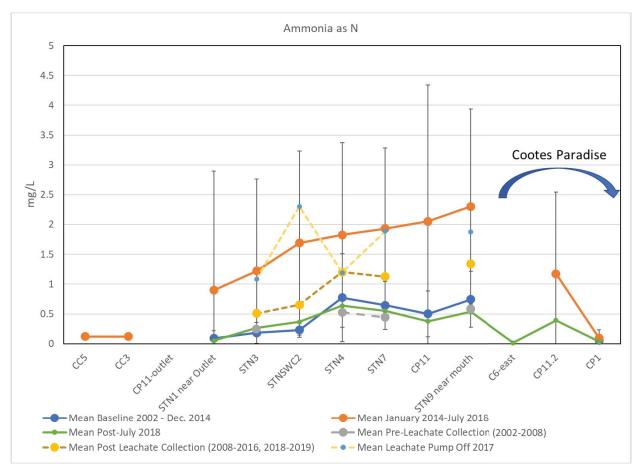


Figure 5-4:
Chedoke Creek and Cootes Paradise ammonia as N concentrations

In conclusion, while there appears to have been some impact on ammonia as N concentrations in Chedoke Creek resulting in an increase in ammonia of about 1 mg/L at Stn. 1, there has been an ongoing influence from leachate reaching the watercourse. The natural variability of ammonia concentrations precludes a conclusion regarding a statistically significant impact of either the discharge event or the leachate.

#### 5.3.2.4 Un-ionized Ammonia

Although the data are limited, un-ionized ammonia, not surprisingly, has a similar interpretation to that of ammonia. Upstream concentrations are very low and these increase at STN1 during the 2014 to 2018 period by 0.027 mg/L (Figure 5-5) over upstream and 0.020 mg/L over baseline

conditions at STN1. However, the continued increase in un-ionized ammonia downstream appears to be a result of the contribution from leachate or other unquantified sources to Chedoke Creek. Un-ionized ammonia concentrations are highly variable because they are calculated based on total ammonia concentrations and are dependent on water temperature and pH. After July 2018, un-ionized ammonia concentrations in Chedoke Creek are all less than the PWQO. The undifferentiable influence from the discharge event and the leachate; however, have had no identified impact on Cootes Paradise as un-ionized ammonia concentrations at CP11-2 after July 2018 (n = 16) were comparable to upstream baseline concentrations and upstream discharge event concentrations; but all decreased to below the PWQO of 0.02 mg/L at CP1 (n = 14).

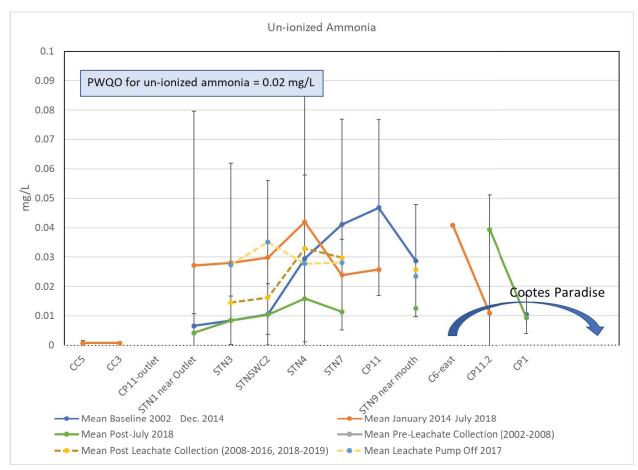


Figure 5-5:
Chedoke Creek and Cootes Paradise un-ionized ammonia concentrations

In summary, the discharge event had no differentiable impact on un-ionized ammonia in Chedoke Creek.

#### 5.3.2.5 Total Phosphorus (TP)

The discharge event evidently produced elevated TP concentrations at CP11-Outlet averaging 2.3 mg/L and about 2 mg/L above the upstream concentrations and the baseline concentrations in Chedoke Creek. However, TP concentrations were quickly assimilated in the creek returning to concentrations that were about 0.5 mg/L or double the baseline and post discharge event concentrations (Figure 5-6). TP concentrations vary widely and there is no indication that the average in-stream concentration during the 2014 to 2018 period can be statistically differentiated

from background concentrations. TP concentrations in both Chedoke Creek and Cootes Paradise exceed its PWQO (0.03 mg/L).

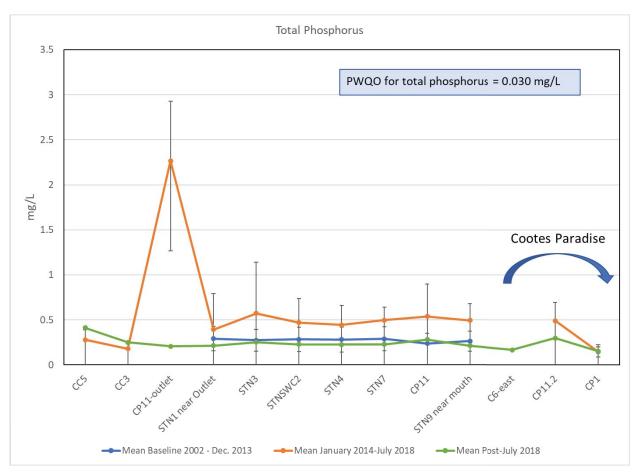


Figure 5-6: Chedoke Creek and Cootes Paradise total phosphorus concentrations

TP concentrations were not measured in the landfill groundwater (UEM, 2016) and total dissolved phosphorus concentrations were generally near the detection limit of 0.010 mg/L.

In summary, the discharge event contributed TP to Chedoke Creek, but elevated concentrations were quickly assimilated in the creek and the inherently variable concentrations in the creek do not indicate a statistically significant increase over baseline conditions.

#### 5.3.2.6 *E. coliform*

The available *E. coli* data are presented in Figure 5-7. It appears that the discharge event resulted in elevated bacterial measurements at CP11-Outlet. Measurements decreased downstream but there are insufficient data to conclude anything specifically other than that concentrations of *E. coli* were relatively low in Cootes Paradise near the mouth of Chedoke Creek.

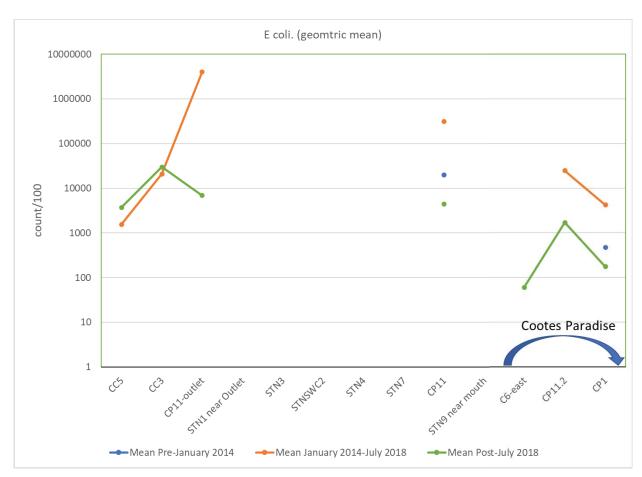


Figure 5-7:
Chedoke Creek and Cootes Paradise *E. coli* measurements

*E. coli* counts are generally elevated throughout Chedoke Creek subwatershed. *E coli* levels were measured in the study area (CP11) and at the two locations upstream of the Main/King CSO (CC-5, CC3) in 2018. The results are provided in Table 5-3 for two time periods during the discharge and after the discharge. The results show that *E. coli* levels were higher at station CP11 than in the upstream stations during the discharge. However, after the discharge, *E. coli* at station CP11 decreased to levels lower than those observed at the upstream location CC-3. This illustrates the presence of multiple sources of *E. coli* in Chedoke Creek subwatershed.

Table 5-3:
Chedoke Creek E. Coli (Numcount/100mLl) in Surface Water Downstream and Upstream of Main/King CSO in 2018

	CC-5			CC-3			CP11		
	N	Range	Median	N	Range	Median	N	Range	Median
During Discharge	12	130-3600	710	12	200-104000	3900	87	10-3600000	21600
After Discharge	39	170-78000	900	36	120-610000	4100	32	20-35000	1500

#### 5.3.2.7 Copper

Copper was identified as a COPC in surface water. The only data available for copper are from the leachate collection performance investigations reported by SNC-Lavalin (2019). Baseline concentrations of copper were 0.006 mg/L at STN1 and rose slightly downstream. During the discharge event, copper concentrations in Chedoke Creek ranged from 0.007 to 0.009 mg/L from upstream to downstream. Concentrations measured in the creek prior to leachate collection (pre-2008) were higher than during the discharge event. It appears that the leachate seeping into Chedoke Creek had a historic impact on copper concentrations and is continuing to add copper to the creek. However, copper concentrations in the groundwater at the landfill was generally low at or near the detection limit of 0.002 mg/L. With the available data, an impact from copper during the discharge event is not evident.

# 5.4 Findings – Cootes Paradise

The data review was intended to provide an overview of surface water quality and focused on the annual means over the monitoring period ranging from 2011 to 2019. The initial marsh delisting water quality targets for the Hamilton Harbour Remedial Action Plan (HHRAP)<sup>3</sup> and/or the PWQO and federal WQG for aquatic life were used for comparison. As a summary, the review of annual means for the COPCs indicates that, in Cootes Paradise, increases in concentrations due to the discharge event seem to be limited to *E. coli* and TP (limited data) and only for 2018. A potential increase was also noted for nitrite at CP1 and CP2 in 2017; however, the highest nitrite concentrations were obtained in West Pond and do not appear to be related to the discharge event. The observations made based on a review of the annual means for each of the COPCs are summarized below. The COPC discussion does not include total ammonia as data reviewed by SLR did not include total ammonia in Cootes Paradise. For this reason, the discussion regarding ammonia relates to the un-ionized ammonia only. Un-ionized ammonia is the form of ammonia monitored by HCA because it is the form more toxic to fish.

For **DO**, the HHRPA target of 5 mg/L was met at all monitoring stations when annual means are considered at the Cootes Paradise annual routine monitoring station (Bowman, 2019) (Table 5-4).

Table 5-4:
Annual Means for Dissolved Oxygen (mg/L)

HHRPA Target >5 mg/L												
Monitoring Year	CP11	CP11.2	CP1	CP2	CP20	CP5						
2011	7	na	6.4	5.9	6.2	6.3						
2012	9.4	na	9.4	8.5	7.8	11.3						
2013	14	na	8.3	8.6	8.0	9.4						
2014	7.8	na	9.5	8.6	9.0	12.2						
2015	7.8	na	8.6	6.7	12.2	10.5						
2016	9.8	14	na	8.9	8.9	13.9						
2017	10.8	7.6	8.3	8.6	7.9	7.6						
2018	6.3	6.2	7.8	7.6	5.8	6.2						
2019	10.5	7.8	9.0	9.1	8.2	7.8						

<sup>&</sup>lt;sup>3</sup> HHRAP target is reached when 15 of the 17 samples from June to September meet/exceed target levels (Bowman, 2019).

In addition to the annual sampling conducted by RBG, total DO data were available for two Cootes Paradise-wide sampling events, one completed on July 27, 2018 and the other on August 7, 2019. DO was measured at 43 sampling stations in 2018 and at 39 stations in 2019. DO ranged from 3.49 to 11.17 mg/L in 2018 and from 3.77 to 11.2 mg/L in 2019. The mean for all stations was 7.06 g/L in 2018 and 6.96 mg/L for 2019. In 2018, six out of the 43 stations had DO levels below the HHRAP target of 5 mg/L, including three locations at the fishway where Cootes Paradise connects to Hamilton Harbour, one location in West Pond, one in the inlet back of Mac Landing and one in a bay on the north side of Cootes Paradise (BH original outlet) (Figure 3, after the text). In 2019, five out of the 39 locations had DO levels below the HHRAP target of 5 mg/L, including the inlet back of Mac Landing, the station in a Bay on the North side of Cootes Paradise (BH original outlet) and locations in and near Spencer Creek (Figure 4, after the text). In 2018 and 2019, DO was measured at five stations in Cootes Paradise near the mouth of Chedoke Creek and one station in Chedoke Creek. DO concentrations met the targets at these locations for both years. Based on the above observations, the discharge event at Main/King CSO does not seem to have directly affected DO levels in Cootes Paradise.

For **TSS**, the HHRPA target of 25 mg/L was exceeded at most monitoring stations (Table 5-5). Based on the annual means, TSS concentrations do not appear to be related to the Main/King CSO discharge event. Annual means obtained during the period of discharge (2014 to 2018) are comparable or lower than annual means obtained prior to the period of discharge. In addition, the annual means obtained at CP11 in Chedoke Creek are lower than those obtained in Cootes Paradise.

Table 5-5: Annual Means for TSS (mg/L)

	HHRAP Target < 25 mg/L *								
Monitoring Year	CP11	CP11.2	CP1	CP2	CP20	CP5			
2011	31	na	35	44	66	36			
2012	24	na	50	50	87	59			
2013	na	na	24	22	22	33			
2014	30	na	33	38	22	18			
2015	24	na	28	34	15	18			
2016	26	48	na	31	30	18			
2017	19	na	34	31	na	21			
2018	21	40	43	46	na	21			
2019	21	22	27	27	na	14			

\*Initial HHRAP Target for Cootes Paradise **Bold** – Exceed HHRAP initial target

For **un-ionized ammonia**, the monitoring target (CCME WQG of 0.02 mg/L) was met at all stations except for CP11.2 in 2018 (mean of 0.1 mg/L). Note that un-ionized ammonia data for CP11.2 reviewed by SLR were limited to 2016, 2018 and 2019. Un-ionized ammonia data were also limited for CP11 in Chedoke Creek. Based on the annual means at CP11, un-ionized ammonia shows a decrease in concentration since 2012. Based on the data reviewed by SLR the increase in un-ionized ammonia was limited spatially to one station and temporally to 2018 and could not be directly related to the Main/King CSO discharge event. Based on the annual means for monitoring stations in Cootes Paradise, un-ionized ammonia does not appear to be a

parameter of concern. A summary of annual means for un-ionized ammonia is provided in Table 5-6.

Table 5-6:
Annual Means for Un-ionized Ammonia (mg/L)

	Target : ≤0.02 mg/L*								
Monitoring Year	CP11	CP11.2	CP1	CP2	CP20	CP5			
2011	na	na	na	na	na	na			
2012	0.05	na	na	na	na	na			
2013	na	na	na	na	na	na			
2014	0.043	na	0.004	0.004	0.001	0.004			
2015	0.027	na	0.01	0.004	0.002	0.01			
2016	0.017	0.02	na	0.002	0.002	0.01			
2017	0.01	na	0.01	0.002	na	0.001			
2018	0.009**	0.1	0.020	0.005	na	0.01			
2019	na	0.002	0.002	0.0010	na	0.001			

<sup>\*</sup>CCME WQG used as Target for Cootes Paradise

**Bold** – Exceed HHRAP initial target

For **nitrite**, the target concentration (CCME WQG of 0.06 mg/L) was met at all stations in Cootes Paradise except for CP1 and CP2 in 2017 and CP5 for all years (Table 5-7). The review of annual means indicated, based on annual means at CP11, that the discharge event may have contributed to the increase observed at CP1 and CP2 in 2017 but levels reduced in 2018 and 2019. The discharge event is not considered to be associated with nitrite at CP5 because nitrite has continuously been present at concentrations above the target concentration at this location.

Table 5-7:
Annual Means for Nitrite (mg/L)

	Target <0.06 mg/L*								
Monitoring Year	CP11	CP11.2	CP1	CP2	CP20	CP5			
2011	na	na	0.05	0.05	0.04	0.13			
2012	na	na	0.03	0.04	0.03	0.28			
2013	na	na	0.03	0.03	0.03	0.15			
2014	0.12	na	0.02	0.03	0.02	0.15			
2015	0.13	na	0.03	0.03	0.03	0.16			
2016	0.14	0.04	na	0.04	0.03	0.23			
2017	0.21	na	0.10	0.09	na	0.13			
2018	0.14	na	na	0.04	na	0.22			
2019	0.06	na	na	0.03	na	0.09			

<sup>\*</sup>CCME WQG used as Target for Cootes Paradise

**Bold** – Exceed HHRAP initial target

For **TP**, the target concentration (30  $\mu$ g/L) was exceeded at all stations and for all years considered (Table 5-8). Based on a review of the annual means, an increase of TP above the

<sup>\*\*</sup>n=2

annual pre-discharge means occurred at CP11.2, CP1 and CP2 in 2018; however, levels decreased in 2019. Based on CP11 data, this increase is likely associated with the discharge.

Table 5-8: Annual Means for Total Phosphorus (μg/L)

	Target <30 μg/L*								
Monitoring Year	CP11	CP11.2	CP1	CP2	CP20	CP5			
2011	248	na	110	129	171	186			
2012	262	na	160	140	240	250			
2013	na	na	91	82	95	127			
2014	475	na	120	108	92	100			
2015	468	na	117	110	73	140			
2016	497	380	na	109	130	120			
2017	412	na	133	120	107	160			
2018	688	680	227	180	218	170			
2019	260	140	108	100	105	130			

<sup>\*</sup>PWQO used Target for Cootes Paradise **Bold** – Exceed HHRAP initial target

Total phosphorus annual means at stations CP20 and CP5 in 2018 showed an increased compared 2017; however, remain lower than annual means obtained in 2012. The results of TP in Cootes Paradise tributaries for the 2017/2018 season indicated that while the highest magnitude of PWQO exceedances were observed at CP11, "elevated TP concentrations were observed at all sites, indicating TP impairment throughout the watershed" (HCA, 2019). The proportion of grab samples that exceeded the PWQO for total phosphorus was 100% for CP11, 64% for CP7 in Spencer Creek and 73.1% for CP18.1 in Borer's Creek. Based on these observations it is likely that inputs from other tributaries also contributed to TP at CP20 and CP5.

For *E. coli* the monitoring target for *E. coli* (1000 counts/100 mL) was exceeded in Cootes Paradise at CP11.2 and CP1 in 2018. The annual geometric means at CP11 show an increase during the Main/King CSO discharge (Table 5-9).

Table 5-9: Annual Geometric Means for *E. coli* 

Target <1000 (count/100 mL)*								
Monitoring Year	CP11	CP11.2	CP1	CP2	CP20	CP5		
2011	762	na	58	120	82	94		
2012	745	na	45	88	55	73		
2013	na	na	40	113	65	64		
2014	61077	na	96	71	38	21		
2015	15734	na	80	42	11	24		
2016	5540	192	na	35	13	16		
2017	9784	na	219	55	na	46		
2018	34858	7717	1041	440	na	35		
2019	699	144	19	37	na	30		

<sup>\*</sup>Federal Secondary Contact for Recreation Guideline used as Target for Cootes Paradise **Bold** – Exceed HHRAP initial target

In 2018 and 2019, two marsh-wide surface water sampling events for E. coli were also completed, one on July 27, 2018 and one on August 7, 2019 (as presented above for DO). E. coli was analyzed in samples obtained from 43 sampling stations in 2018 and from 39 stations in 2019. E. coli counts ranged from 20 to 70,000 CFU/100 mL in 2018 and from 10 to 4,900 CFU/100 mL in 2019. Geometric mean for all stations was 1993 CFU/100 ml in 2018 and 351 CFU/100 mL in 2019. In 2018, most stations (30 out of the 43) had E. coli above the target level of 1,000 (Table 2, after the text). In 2019, 13 out of the 39 locations had E. coli above the target level (Table 3, after the text). No apparent correlations were observed between E. coli numbers and DO levels in 2018 or in 2019. For example, in 2018, the locations with the highest E. coli counts also had the highest DO levels (Tables 2 and 3, after the text). The E. coli exceedances were mapped for both years (Figures 5 and 6, after the text). Figure 5, after the text shows the contribution of Chedoke Creek to E. coli in Cootes Paradise near the mouth of Chedoke Creek. E. coli numbers beyond Cootes Paradise near the mouth of Chedoke Creek decrease to below the target for the marsh. Figure 5 shows that elevated E. coli numbers are also present at the west end of Cootes Paradise Marsh in Spencer Creek and Mac Landing. These results point to another source contributing E coli to the west side of Cootes Paradise on July 27, 2018. Results for E. coli for surface water monitoring stations on Ancaster Creek and Spencer Creek on July 27, 2018 were not available for review by SLR. This information gap precludes further analysis of potential sources of E. coli to Cootes Paradise.

Copper was retained as a COPC. Based on the data reviewed, information on metal concentrations in Cootes Paradise Marsh was limited to one sample obtained by SLR from Cootes Paradise near the mouth of Chedoke Creek in 2019. Total copper concentration in this sample was 3.4  $\mu$ g/L and dissolved copper concentration was 0.5  $\mu$ g/L and did not exceeded the copper PWQO of 5  $\mu$ g/L (at a hardness as CaCO<sub>3</sub> greater than 20 mg/L). Total copper concentration measured in Chedoke Creek at the furthest downstream station (STN9) are provided in Table 5-10. The summary statistic indicates that copper concentrations at this location are comparable before and during the discharge. Based on this information the discharge event does not seem to have contributed copper to Cootes Paradise in concentrations above those observed prior to the discharge event.

Table 5-10:
Summary Concentration of Total Copper in Chedoke Creek at STN9

	Before Discharge	<b>During Discharge</b>	After Discharge
Number of samples	33	17	2
Min	2	4.9	3.4
Max	30	24.8	9.6
Mean	6.3	10.7	5.6
Standard Deviation	5.0	6.0	5.6
Median	5	7	4.4

## 5.4.1 Section Summary – Surface Water

The Director's Order requires an evaluation of the environmental impact to Cootes Paradise from sewage discharged between January 28, 2014 and July 18, 2018 including a written assessment of any anticipated ongoing environmental impacts. Further, this assessment is to consider any proposed remedial actions and recommendations with justification. The objective of the surface water quality section was to determine if clear evidence of an impact from the sewage discharge was evident within Chedoke Creek. If the available data do not indicate a sustained impact

immediately downstream that is differentiable from background conditions or other influences on Chedoke Creek, then conceivably evidence showing an impact on Cootes Paradise during the discharge event with respect to water quality is lacking. The conclusions resulting from the analysis of water quality data in Chedoke Creek and Cootes Paradise are:

- The discharge event had a short-lived impact on DO in Chedoke Creek, but this was mitigated fully by the aeration achieved at the drop structure. The DO sag in Chedoke Creek downstream of STN1 is probably due to the continuous loading of low DO leachate water into the creek. In Cootes Paradise, the HHRAP target of 5 mg/L was met at all monitoring stations when annual means are considered. Additional marsh-wide sampling completed after the discharge event (on July 27, 2018 and August 7, 2019) indicated that some stations had DO concentrations below 5 mg/L; however, DO concentrations at stations located in Chedoke Creek or Cootes Paradise near the mouth of Chedoke Creek were above 5 mg/L. Based on these observations, the discharge event at Main/King CSO did not directly affected DO levels in Cootes Paradise.
- The discharge event did have some direct impact on TSS in Chedoke Creek but this was quickly assimilated downstream and was not outside of the natural variability of TSS within this section of Chedoke Creek. Annual means for TSS in Cootes Paradise during the discharge event were comparable or lower than annual means obtained prior to the period of discharge. Based on these observations, the discharge event at Main/King CSO did not affect TSS in Cootes Paradise.
- There appears to have been some impact on ammonia as N concentrations in Chedoke Creek resulted in an increase in ammonia of about 1 mg/L at STN1; but there has also been an ongoing influence from landfill leachate reaching the watercourse. The natural variability of ammonia concentrations precludes any conclusion regarding a statistically significant impact of either the discharge event or the leachate.
- The discharge event had no differentiable impact on un-ionized ammonia in Chedoke Creek. Based on the un-ionized ammonia annual means, a slight increase was noted in Cootes Paradise and was limited spatially to one station in Cootes Paradise near the mouth of Chedoke Creek and temporally to 2018. This slight increase could not be directly related to the Main/King CSO discharge event. Based on Chedoke data and the annual means for monitoring stations in Cootes Paradise, un-ionized ammonia does not appear have been a parameter of concern during the discharge event.
- The discharge event contributed TP to Chedoke Creek, but elevated concentrations were quickly assimilated in the creek and the inherently variable concentrations in the creek do not indicate a statistically significant increase of TP over baseline conditions. In Cootes Paradise, based on a review of the annual means, an increase of TP above the annual predischarge means occurred at CP11.2, CP1 and CP2 in 2018. It is possible that this relative increase was due to the discharge event. Annual means for TP in 2019 do not show a continuing impact.
- E. coli measurements in Chedoke Creek were only available for a limited number of stations (e.g., CP11). The limited data show an increase in E. coli counts in Lower Chedoke Creek during the discharge event. Annual geometric means for E. coli counts in Cootes Paradise indicated an increase above HHRAP initial target in Cootes Paradise near the mouth of Chedoke Creek at CP11.2 and CP1 in 2018. These increases are likely due to the discharge event (based on the increase E. coli counts observed at CP11 downstream of Chedoke Creek during the discharge event).

• Landfill leachate seeping into Chedoke Creek had a historic impact on copper concentrations and is continuing to add copper to the creek. With the available data, an impact from cooper during the discharge event is not evident.

The evaluation of surface water quality indicated that the discharge event contributed to a short-term increase in *E. coli* levels at monitoring stations close to the mouth of Chedoke Creek. A potential short-term localized increase in total phosphorus concentrations was also noted for Cootes Paradise. The surface water quality data reviewed supports the conclusion that there is no evidence of long-term impact on Cootes Paradise based on water quality measurements. Accordingly, proposed remedial actions to address the discharge are unwarranted and a surface water monitoring program for the impacted portions of Cootes Paradise is not required.

### 5.5 Sediment

## 5.5.1 Approach

The evaluation of sediment quality follows a before-after comparison approach. Based on the information reviewed to conduct this EIE, only a few locations in Cootes Paradise near the mouth of Chedoke Creek have data characterizing the sediment quality before and after the CSO discharge event.

Sediment grab samples were obtained in Cootes Paradise Marsh and Grindstone Marsh areas as part of the sediment quality monitoring program completed by RBG in 2006 and 2013 (Bowman and Theÿsmeÿer, 2007; Bowman and Theÿsmeÿer, 2014). As part of the 2006 study, grab sediment samples were obtained with an Ekman grab from seven locations including two in Cootes Paradise near the mouth of Chedoke Creek (CC-1 and CC-2). As part of the 2013 study, grab sediment samples were obtained from ten locations including Cootes Paradise near the mouth of Chedoke Creek (CC-1 and CC-2) (Figure 7, after the text). The 2006 and 2013 samples were analysed for nutrients and metals. The sediment samples CC-1 and CC-2 obtained in the 2006 and 2013 studies comprise the dataset characterizing sediment quality before the Main/King CSO discharge event.

Sediment samples were also obtained after the Main/King CSO discharge event. In September 2018, Wood Environmental (Wood) collected sediment core samples in Cootes Paradise near the mouth of Chedoke Creek (station C-6). A total of nine core samples were analysed for nutrients, metals and faecal coliform. In October 2019, SLR collected grab sediment samples from two locations in Cootes Paradise near the mouth of Chedoke Creek (Boat Launch and G-7). A total of two grab samples were also analysed for nutrients, metals and faecal coliforms. Sediment samples collected in Cootes Paradise beyond the stations near the mouth of Chedoke Creek after the discharge event were not found during the preparation of this EIE. Consequently, the beforeafter sediment quality dataset to evaluate the impact of the discharge event on sediment quality is limited to Cootes Paradise near the mouth of Chedoke Creek sediment samples CC-1, CC-2, C-6 east, C-6 centre and C-6 west, Boat Launch and G-7. Because the sediment samples obtained at location C-6 by Wood consisted of core samples representing various depths, only the surficial core sample (<15 cm) were included in the dataset. However, it is recognized that compiling samples obtained with different methods introduces uncertainty in the dataset.

Other realities of sediment samples further limit the use of this medium to characterizing the impact of the discharge event. These include the following:

- Physical disturbance shallow environments such as Cootes Paradise are frequently subjected to the disturbance of the surficial sediment layers through wind and wave action resulting in mixing and migration of these sediments with deeper sediments. As a result, sampling shallow layers of sediment (e.g., several centimetres) does not mean that this sediment would for example be relevant to the discharge event considered here. Sediment coring has been developed for application to lakes where cores from depth limit disturbance from physical mixing. This has allowed the development of techniques for verifying the absence of disturbance and the confirmation that the core has successfully sampled the most recent sediments with the use of short half-life radioisotopes (e.g., the presence of Beryllium 7 with a half-life of 53 days confirms that the top of the cores has been recovered). Dating of undisturbed cores is possible but as noted by Wood (2019) "The irregular channel morphology, minimal water depth and widely varying flows within Chedoke Creek likely result in substantial mixing and transport of especially the fine-grained and organic sediments that retain <sup>210</sup> Pb. These processes would prevent the formation of interpretable <sup>210</sup> Pb profiles. For this reason, Wood does not recommend attempts to apply radioisotopic dating methodologies to distinguish sediments deposited prior to, versus during, the 2014 -2018 discharge event".
- Bioturbation sediment invertebrates mix the sediments vertically and common carp (Cyprinus carpio) are known to "plough" the surficial sediments while feeding. This has been observed extensively in Cootes Paradise and is believed to result in the loss or sustainability of submergent and emergent aquatic vegetation.

Both of these factors confound the interpretation of sediment profiles to effectively provide a time series of contamination in Cootes Paradise. As a result, sediment quality data discussed below represent mixed conditions aggregating much more than the four years of the discharge event to Cootes Paradise. These limitations must all be kept in mind in the discussion below.

The sediment quality data were compared to the Provincial Sediment Quality Guidelines (PSQGs) Lowest Effect Levels (LELs) and Severe Effect Levels (SELs). The PSQG LEL "indicates a level of contamination that can be tolerated by the majority of sediment-dwelling organisms. Sediments meeting the LEL are considered clean to marginally polluted". The PSQG SEL "indicates a level of contamination that is expected to be detrimental to the majority of sediment-dwelling organisms. Sediments exceeding the (SEL) are considered heavily contaminated" (MOE, 2008).

#### 5.5.2 Findings

Comparisons of nutrients and metals concentrations in the sediment samples obtained in Cootes Paradise near the mouth of Chedoke Creek before and after the discharge event do not point to increases in concentrations resulting from the discharge event. The following sections summarizes the available sediment quality data for nutrients, metals and faecal coliform.

The sediment samples collected in Cootes Paradise and Grindstone Marsh in 2006 and 2013 were analyzed for TKN, ammonia as N and TP. TKN and TP exceeded the PSQG lowest effect levels LEL at all locations in Cootes Paradise and Grindstone Marsh. Total phosphorus also exceeded the provincial PSQG SEL in Desjardin Canal in 2006 and 2013 (Bowman and Theÿsmeÿer, 2014). Comparison of TP and TKN concentrations obtained from Cootes Paradise near the mouth of Chedoke Creek in 2006 and 2013 to concentrations obtained in 2018 and 2019 shows similar TP concentrations and a decrease in TKN concentrations (Table 5-11). Ammonia concentrations in 2019 show high variability which precludes conclusions on potential enrichment from the CSO discharge. Two samples and a duplicate were obtained in 2019. One sample (G-7)

had a concentration of ammonia as N of 100  $\mu$ g/g and the other sample and its duplicate had ammonia as N concertation of 23  $\mu$ g/g and 32  $\mu$ g/g, respectively.

Table 5-11:

Cootes Paradise Before (Historical) and After the Discharge Event - Maximum TKN and

TP Concentrations in Surface Sediment

	20	06	20	)13		2018			2019		
Nutrient	CC-1	CC-2	CC-1	CC-2	C6-East	C6- Centre	C6-West	Boat Launch	Boat Launch Duplicate	G-7	
TKN (µg/g)	1250	1010	1390	1330	900	900	1000	55	55	120	
Ammonia as N (µg/g)	35	48	<25	<25	na	na	na	23	32	100	
TP (µg/g)	1100	1100	1100	920	814	778	809	1030	908	1140	

Metal analysis showed that arsenic, cadmium, copper, lead and zinc exceeded the PSQG LELs, but were below the SELs in the sediment samples (CC-1 and CC-2) obtained in 2006 and 2013 in Cootes Paradis near the mouth of Chedoke Creek (Bowman and Theÿsmeÿer, 2014). The 2013 sediment study showed that metals exceeding the PSQG LELs were observed at most locations in Cootes Paradise and Grindstone Marsh, with copper exceeding the LEL at all 10 locations investigated (Bowman and Theÿsmeÿer, 2014). Comparison of metals concentrations obtained in 2006 and 2013 to concentrations obtained in 2018 and 2019 shows similar results, except for copper showing a possible increase (Table 5-12). Note that the maximum copper concentration in West Pond in 2013 was 90.5 μg/g. A study on contaminant loadings and concentrations to Hamilton Harbour reported "concerns about the concentration levels of copper in the sediments of Cootes Paradise and the Grindstone Creek Estuary. The Technical Team hypothesized that sources could include copper pipes and roofs in the area or residue from copper now used in brake pads instead of asbestos" (Hamilton Harbour Remedial Action Plan Office, 2018).

Table 5-12:
Cootes Paradise Before (Historical) and After the Discharge Event - Maximum Metal
Concentrations in Sediment

Metals	20	06	201	13	2018			2019			
(µg/g)	CC-1	CC-2	CC-1	CC-2	C6-east	C6-Centre	C6-West	Boat Launch	Boat Launch D	G-7	
Arsenic	6	6	5.6	5.2	3.8	4.1	4.3	5.25	4.98	4.7	
Cadmium	2.1	1.5	1	2.1	0.88	0.9	0.96	3.69	3.57	1.0	
Copper	73	61	53	55	64	64	76	116	109	100	
Lead	62	69	50	48	63	39	63	73.9	67.6	50.9	
Zinc	400	320	310	340	285	300	303	571	545	451	

Information on bacteria in sediment for the periods prior to and during the discharge event were not located as part of the information reviewed. The sediment samples collected in Cootes Paradise near the mouth of Chedoke Creek in September 2018 were analysed for faecal coliforms. Sediment samples were also collected in Chedoke Creek and analysed for faecal coliforms in 2018. The 2018 results showed that faecal coliforms, human Bacteroidetes and total

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Bacteroidetes were only detected in the surface sediment horizon (<15 cm) and that concentrations in Cootes Paradise near the mouth of Chedoke Creek (maximum faecal coliform: 4000 CFU/100g) were generally lower than concentrations in Chedoke Creek. The highest faecal coliform concentrations in Chedoke Creek were found downstream of the Kay Drage Park bridge (43000 CFU/100g) (Wood, 2018). Faecal coliform in Cootes Paradise near the mouth of Chedoke Creek in October 2019 were lower than in 2018 (170 and 790 MNP/100g).

# 5.5.3 Section Summary - Sediment

Sediment quality data for Cootes Paradise are limited to a few sampling events and monitoring stations. In addition, physical disturbance through wave action and/or bioturbation confound the interpretation of sediment profiles to effectively provide a time series of contamination in Cootes Paradise. As a result, the limited sediment quality data available for 2018 and 2019 represent mixed conditions aggregating much more than the four years of the discharge event to Cootes Paradise.

Keeping these limitations in mind, comparisons of nutrients and metals concentrations in the sediment samples obtained in Cootes Paradise near the mouth of Chedoke Creek before and after the discharge event do not point to increases in concentrations resulting from the discharge event.

Faecal coliforms data were only available for 2018 after the discharge event and for 2019. The results indicated that concentrations in Cootes Paradise near the mouth of Chedoke Creek were generally lower than concentrations in Chedoke Creek. The highest faecal coliform concentrations in Chedoke Creek were found downstream of the Kay Drage Park bridge. The lack of bacteria characterization in Chedoke Creek and Cootes Paradise near the mouth of Chedoke Creek prior to the discharge event precludes any conclusions regarding the impact of the CSO discharge.

# 5.6 Aquatic Vegetation

### 5.6.1 Approach

SLR used data collected from 1996 to 2019 by RBG to evaluate existing conditions and potential impacts on aquatic vegetation before, during and after the CSO discharge. The data set contained more than 6,000 records dispersed over 35 monitoring stations. A subset of these records was used for more detailed analysis at 11 monitoring stations. Stations were selected to represent the aquatic communities such as marsh, open water and exposed locations throughout Cootes Paradise (Figure 8, after the text). For example, Figure 8 shows reference locations (B1, G12, M3, M4, O3 and R1) were compared to locations near (potential exposure) Lower Chedoke Creek (C1, C2, M5, B2, and E2). The selected locations represented those with the most complete consistent methodology and complete data sets. Evaluation was considered representative of species types, sampling dates and percent coverage of aquatic vegetation with respect to potential data limitations as outlined below.

A review of the data set revealed several limitations:

- not all sites were surveyed each year;
- personnel conducting the surveys did not remain constant;
- survey effort also may have changed over the sampling period;
- data records were not linked to known variable climate conditions; and
- data records were not linked to monitoring goals or influencing factors.

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For example, common carp, invasive vegetation species and their control, aquatic restoration plantings, known excessively high-water levels in Lake Ontario over past few years, early ice off and excessive weather (wind, ice and snow melt) may play important roles in understanding changes over time and aid in the evaluation of potential changes in Cootes Paradise that occurred as a result of the CSO discharge event. These limitations and data variability can introduce uncertainty in the interpretation of results.

In addition to comparing species assemblage, vegetation in the data sets were summarized into three functional groups: submergent, floating and emergent vegetation. These designations were used as a high-level analysis of representation of vegetation types recorded in the dataset.

SLR's approach to the review also considered the species type and typical known nutrients required for growth or growth limitations. For example, nutrient inputs associated with storm water, urban runoff and agricultural runoff which may have contributed to the shift in Cootes Paradise aquatic ecosystem from a mesotrophic, clear water, macrophyte dominated community composition to conditions typical in an eutrophic, relatively turbid, plankton dominated system (Yang et al. 2020). Reduced light penetration favours floating and emergent vegetation coverage over submergent coverage. Nutrients in the Main-King CSO discharge from 2014 to 2018 could have contributed to changes in aquatic vegetation coverage.

# 5.6.2 Findings

Using spatial and temporal trends in the aquatic vegetation coverage, the data revealed that submergent vegetation within Cootes Paradise is dominated by non-native species including Coontail (*Ceratophyllum demersum*), Eurasian Watermilfoil (*Myriophyllum spicatum*) and Potamogeton species (*P. crispus*). Native submergent species were also frequently observed (for example Canada Pond Weed (*Elodea canadensis*)). For the 11 stations, Duckweed (*Lemna sp.*) was the most observed species in the floating group. Native Waterlilly (*Nymphaea odorata*) were also observed but percent coverage was highly variable from year to year and over the long term. Waterlilies and Cattails (*Typha sp.*) were part of the targeted restoration planting initiatives with Cattails representing the majority of the emergent group. Many of the submergent non-natives were also part of invasive species control programs.

When all the data were reviewed neither a species-specific pattern or trend (increase or decrease) could be linked to the CSO discharge event. Trends in percent cover fluctuated over several years and remained generally within background variation of aquatic species cover before, during and after the event. The following bullets provide a summary of the findings.

- Increases and decreases in percent cover for all three vegetation types observed at Cootes Paradise sites in or near Lower Chedoke Creek (C1, C2, B2, E2 and M5) and stations far from Chedoke Creek (B1, G12, M3, M4, O4, and R1) prior to CSO discharge event (Figure 5-8 and Figure 5-9).
- Submergent vegetation showed decline in percent cover one year prior to CSO discharge and floating vegetation showed decline the first year of the event at locations in or near Lower Chedoke Creek.
- Submergent and floating vegetation showed increases and decreases in percent cover during the CSO discharge period at locations far from Lower Chedoke Creek (Figure 5-8).
   Emergent vegetation showed an increase in percent cover during the CSO discharge event at the same locations far from Lower Chedoke Creek (Figure 5-8).

- Magnitude of increases and decreases in percent cover for floating and submergent vegetation types during the CSO discharge were similar to, or smaller than fluctuations prior to the CSO discharge at locations both far from, in or near Lower Chedoke Creek, thus within background variation (Figure 5-9).
- This assessment of available information does not show impacts on aquatic vegetation in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

The observed vegetation trends are generally consistent with previous findings reported for Cootes Paradise by Theÿsmeÿer et. al (2016) and Leisti et al (2016). In some instances where emergent, submergent and floating vegetation expanded their coverage this was followed with setbacks due to damage as a result of high-water levels, common carp activity, and periods of eutrophic or hypereutrophic conditions which may occur annually (in late summer). Hypereutrophic conditions can result in algae blooms and declines in plant communities (e.g. submergent group). Other factors potentially influencing percent coverage of aquatic vegetation include the regulation of Lake Ontario water levels, resuspension and inputs of sediment from tributaries along with high nutrient levels which may promote algal blooms thus reducing dissolved oxygen (Leisti et al., 2016). These factors influence aquatic vegetation in Cootes Paradise at a much larger scale than the CSO discharge, were occurring before the CSO event and continue as key issues maintaining degraded conditions in Cootes Paradise (Leisti et al., 2016).

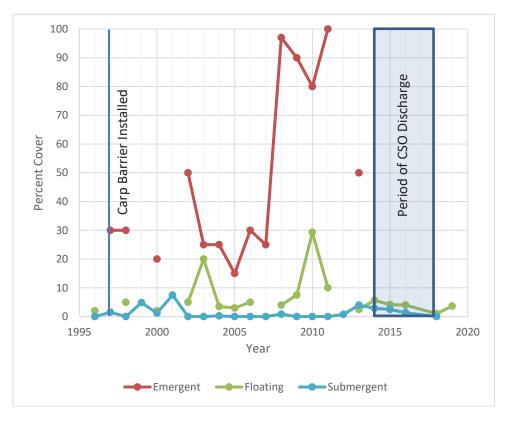


Figure 5-8: Vegetation Trends for Location in or Near Lower Chedoke Creek

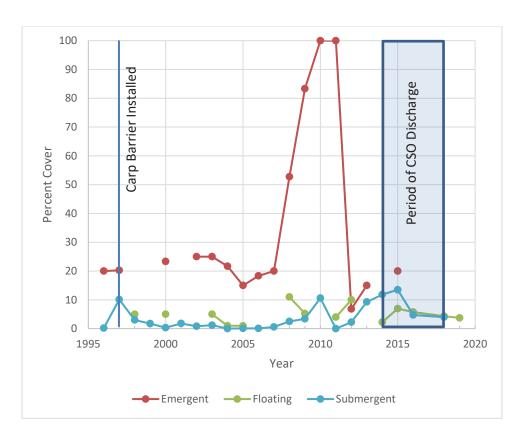


Figure 5-9:
Vegetation Trends for Locations in Cootes Paradise Far From Lower Chedoke Creek

# 5.6.3 Section Summary – Aquatic Vegetation

Based on observations described above, and consistent with other published sources, assessment of available information does not show impacts on aquatic vegetation in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

# 5.7 Fish Community

### 5.7.1 Approach

Fish were used as indicators of potential impacts of the Main-King CSO discharge in Cootes Paradise (sometimes referred to as the marsh) from 2014 to 2018. Fish community characteristics were compared before, during and after the CSO discharge period at locations in Cootes Paradise far from (background reference) and near (potential exposure) to Lower Chedoke Creek (Figure 9, after the text).

Annual Index Fish Community Data and Fishway Data, both received from RBG, were consulted. These datasets appear as a modified continuation of the sampling program initiated in support of a graduate thesis (Theÿsmeÿer, 2000).

Characteristics of the annual index fish community data include:

- Samples collected from 1995 to 2019;
- Fish collections in Cootes Paradise and Lower Chedoke Creek;
- Approximately 25 sampling locations;
- 55 fish species collected in Cootes Paradise; and
- Over 37,000 records.

# Characteristics of the fishway data include:

- Samples collected from 1995 to 2019;
- Fish collected during operation of the fishway where Cootes Paradise connects to Hamilton Harbour;
- 36 fish species collected at the fishway; and
- Over 98,000 records.

Over the duration of the fish collection program a total of 69 fish species were captured in the fishway and from Cootes Paradise sampling locations (Table 5-13). Of the total species captured, 14 were captured in the fishway and not Cootes Paradise while 33 were captured in the marsh and not the fishway. Only 22 of 69 species were captured at both the fishway and marsh locations.

Table 5-13: Comparative Properties of the Fishway and Index Fish Community Datasets

Parameter	Fishway Species	Annual Index Species
Total number of species	36	55
Number of species collected at both locations	22	22
Number of species at one location and not the other	14	33

The rank-order for the 10 most frequently captured fish species in the Fishway and Cootes Paradise datasets are shown in Table 5-14. Only 3 of the 10 most frequently captured fish appeared in both datasets. Brown bullhead (*Ameiurus nebulosus*) and common carp represented 74% of the capture in the fishway dataset while six species represented 77% of the catch in the marsh dataset represented, indicating a reduced species dominance diversity in the fishway capture data.

Table 5-14: Rank Order of Species Abundance of the Fishway and Index Fish Community Datasets.

Fishway Sp	pecies: 1996-2019			Cootes Paradise Spe	ecies: 199	6-2019
Rank						
Abundance	Species	Percent	Cumulative	Species	Percent	Cumulative
	Brown Bullhead			Pumpkinseed		
1	Ameiurus nebulosus	51.1	51.1	Lepomis gibbosus	29.3	29.3
	Common Carp			Bluegill		
2	Cyprinus carpio	23.0	74.1	Lepomis macrochirus	16.1	45.4
	White Sucker					
	Catastomus			White Perch		
3	commersonii	12.5	86.6	Morone americana	11.9	57.3
	Gizzard Shad					
	Dorosoma			Common Carp		
4	cepedianum	4.6	91.2	Cyprinus carpio	7.5	64.8
	Channel Catfish			Brown Bullhead		
5	Ictalurus punctatus	2.7	93.9	Ameiurus nebulosus	7.4	72.2
	Goldfish			Bluntnose Minnow		
6	Carassius auratus	2.6	96.5	Pimephales notatus	5.3	77.5
	Freshwater Drum			•		
	Aplodinotus			Spottail Shiner		
7	grunniens	2.0	98.5	Notropis hudsonius	3.5	81.0
	Rainbow Trout					
	Oncorhynchus			Logperch		
8	mykiss	0.4	98.9	Percina caprodes	3.5	84.5
	Bowfin			Goldfish		
9	Amia calva	0.3	99.2	Carassius auratus	3.3	87.7
	White Perch			Yellow Perch		
10	Morone americana	0.1	99.4	Perca flavescens	3.3	91.0

The number of shared species in the two datasets and the difference in species dominance diversity indicate potentially dissimilar habitat, ecosystem conditions and factors influencing community structure in Cootes Paradise and species captured in the fishway. Most of the fish species in the marsh and the fishway likely originated from Hamilton Harbour.

Kim et al., (2016) described Cootes Paradise as a eutrophic system. Yang et al., (2020) described a shift in Cootes Paradise in the 1930s from a clear macrophyte dominated condition to a turbid phytoplankton dominated system as a result of numerous human activities in the catchment. Submergent macrophyte loss is attributed to reduced water clarity from wind-driven sediment suspension, the invasive common carp, nutrient inflows from numerous sources, sewage influent from the Dundas WWTP and CSOs from the City.

These changes from clear water, macrophyte dominated, to a turbid, phytoplankton dominated system reduces the effectiveness of sight feeding for fishes. These conditions could lead to reduced abundance of fish species exploiting sight feeding method in favour of fish species adapted to feeding on plankton, benthic invertebrates and plants, and species tolerant to degraded water quality and habitat.

Surface water COPC focused on parameters including physicochemical, nutrient, inorganics and bacteria (Table 4-1, Section 4.2) commonly associated with CSO discharges. To facilitate the

evaluation of potential impacts of the CSO discharge, fish were classified according to four trophic groups as a function of their feeding behaviors and tolerance to water quality. This classification of fish species relates to COPCs associated with CSO discharge, such that changes in the abundance of various trophic feeding groups and water quality sensitive species could be used to assess impacts from the Main/King CSO discharge.

Fish collections from selected locations were assessed for differences in trophic feeding groups and water quality tolerance. Comparing patterns of fish species abundance collected from sampling locations near Chedoke Creek with reference locations in Cootes Paradise far from Chedoke Creek could be used to assess impacts to the fish community from the CSO discharge into Chedoke Creek. Generally, the order of trophic feeding groups from most tolerant to most sensitive to turbid, plankton dominated systems is: Benthic, detritivore, omnivore; Planktivore, herbivore; Planktivore invertivore; and Invertivore carnivore.

Fish species well represented in the fish collection datasets for which trophic feeding and water quality tolerance information was available were used to assess potential impacts from the Main-King CSO discharge.

The 10 species included as indicators from the fishway location represent more than 95% of the individuals captured from that location from 1995 to 2019. Species assignment to trophic feeding classes and sensitivity to poor water quality are shown in Table 5-15.

Table 5-15:
Trophic Class and Species Tolerance to Water Quality, Fishway Location.

Species	<b>Trophic Feeding Groups</b>	SATIWQ <sup>1</sup>
brown bullhead	Benthic, detritivore, omnivore	3
common carp	Benthic, detritivore, omnivore	3
gizzard shad	Planktivore, herbivore	6
Goldfish	Benthic, detritivore, omnivore	3
largemouth bass	Invertivore, carnivore	8
northern pike	Invertivore, carnivore	9
white perch	Invertivore, carnivore	7
white sucker	Benthic, detritivore, omnivore	5
yellow perch	Planktivore, invertivore	7
rainbow trout	Invertivore, carnivore	8
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<sup>1</sup>SATIWQ represents species association tolerance to water quality: Dissolved Oxygen Demand, turbidity, habitat disturbance, modified from Wichert and Regier (1998).

The 18 species included as indicators species from the locations in Cootes Paradise and Lower Chedoke Creek represent 98% of the individuals captured form those locations from 1995 to 2019 (Table 5-16).

Table 5-16:
Trophic Class and Species Tolerance to Water Quality, Marsh Locations.

Species	Trophic Class	SATIWQ <sup>1</sup>
Bluegill	Planktivore, invertivore	8
bluntnose minnow	Planktivore, herbivore	4
brown bullhead	Benthic, detritivore, omnivore	3
common carp	Benthic, detritivore, omnivore	3
emerald shiner	Planktivore, herbivore	7
fathead minnow	Planktivore, herbivore	4
gizzard shad	Planktivore, herbivore	6
goldfish	Benthic, detritivore, omnivore	3
green sunfish	Planktivore, invertivore	7
largemouth bass	Invertivore, carnivore	8
Logperch	Planktivore, invertivore	7
northern pike	Invertivore, carnivore	9
pumpkinseed	Planktivore, invertivore	8
round goby	Planktivore, invertivore	6
spottail shiner	Planktivore, herbivore	6
white perch	Invertivore, carnivore	7
white sucker	Benthic, detritivore, omnivore	5
yellow perch	Planktivore, invertivore	7

<sup>&</sup>lt;sup>1</sup>SATIWQ represents species association tolerance to water quality: Dissolved Oxygen Demand, turbidity, habitat disturbance, modified from Wichert and Regier (1998).

Relative abundance of fish species collected from the fishway location were examined to show trends in relative abundance for fish species passing between Hamilton Harbour and Cootes Paradise. These trends can be used to compare fish community dynamics between the two systems and identify whether consistent responses occur among them.

Comparison of fish community dynamics were conducted at two scales within Cootes Paradise:

- Whole marsh comparing results for fish collection locations near and far from Lower Chedoke Creek outlet to Cootes Paradise; and
- Fish locations in the vicinity of two watercourses discharging into Cootes Paradise: Lower Spencer Creek and vicinity, and Lower Chedoke Creek and vicinity.

As indicated above, nutrients contribute to the development and maintenance of the eutrophic, phytoplankton dominated aquatic ecosystem of Cootes Paradise. Therefore, nutrients from the Main/King CSO discharge could contribute to sustaining the present condition of Cootes Paradise. Examination of patterns and coincident timing of increases and decreases in relative abundance of trophic feeding groups and fish species water quality sensitivity can indicate whether fish at various locations appear influenced by impacts from the CSO discharge in Chedoke Creek or from influencing factors independent of the discharge.

# 5.7.2 Findings - Fishway Location

Trends in abundance of fish species collected from the fishway location were examined to show patterns in relative abundance for fish species passing between Hamilton Harbour and Cootes Paradise. These trends and patterns can be used to compare fish community dynamics between the two systems and identify whether consistent responses occur among them.

## Water Quality Sensitivity

Brown bullhead and common carp comprise 78% of the fish captured at the fishway and assessed here. These species are in the trophic feeding group most tolerant of poor water clarity and are also two of the most tolerant species to poor water quality. High abundance of these species produced a low overall score in terms of species sensitivity to water quality (Figure 5-10). The score showing sensitivity to water quality increased from 1996 to 2000 and then varied slightly around a score of 4 showing no increase or decrease from 2000 through the CSO discharge period to 2019 (Figure 5-10).

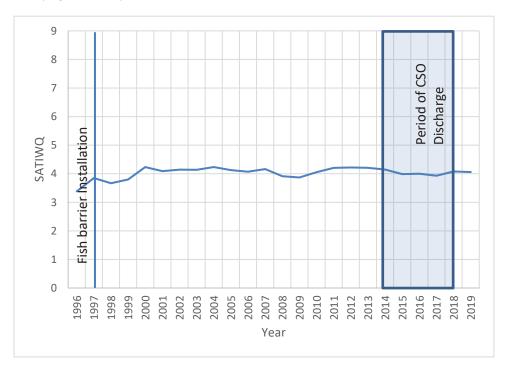


Figure 5-10:
Trend in Water Quality Sensitivity at the Fishway in Cootes Paradise

# Trophic Feeding Groups

Benthic-detritivore-omnivore is the numerically dominant trophic feeding group represented at the fishway fish collection location. This group is also the most tolerant of present aquatic ecosystem conditions in Cootes Paradise. Relative abundance of the benthic-detritivore-omnivore group began increasing approximately two years before the CSO discharge period, but this increase is within the range of pre-discharge variation. Relative abundance then decreased during the CSO discharge period to approximate pre-discharge levels (Figure 5-11).

Relative abundance of species more dependent on sight feeding (planktivore-herbivore) showed increased relative abundance approximately two years prior to, but then started declining prior to the CSO discharge (Figure 5-11). Relative abundance of the planktivore-herbivore group started to increase during the discharge period. This increase would not be expected if impacts from the discharge were negatively affecting fish species at the fishway.

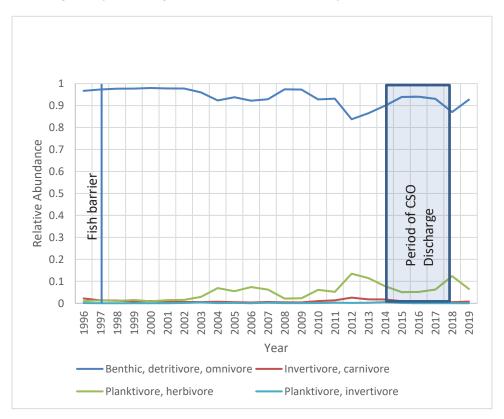


Figure 5-11:
Trends in Trophic Feeding Groups at the Fishway in Cootes Paradise

### 5.7.3 Findings – Cootes Paradise and Chedoke Creek Locations

### Cootes Paradise – Near and Far from Lower Chedoke Creek

Water Quality Sensitivity

Variation in species sensitivity shows a similar pattern at sampling locations in Cootes Paradise near and far from Lower Chedoke Creek. Fish collected from all sites in Cootes Paradise show a decline followed by an increase in water quality sensitivity during the CSO discharge period (Figure 5-12). Similarity in pattern and timing suggest that the fish community in Cootes Paradise does not respond to impacts of the CSO discharge independent of other potential influencing factors.

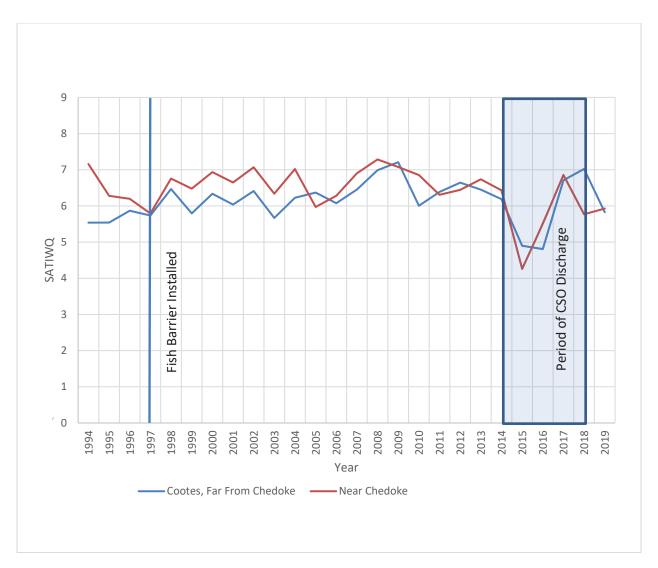


Figure 5-12:
Trends in Water Quality Sensitivity in Cootes Paradise Near and Far From Chedoke Creek Outlet

# Trophic Feeding Groups

All trophic feeding groups show variability prior to the period of CSO discharge (Figure 5-13 and Figure 5-14). The invertivore-carnivore group, the group of species with most sight-dependent feeding strategies, showed a decline in relative abundance at locations near Lower Chedoke Creek prior to and extending into the CSO discharge period (Figure 5-13). Fish species in the invertivore-carnivore group collected from locations in Cootes Paradise far from Lower Chedoke Creek showed a similar decline and increase in relative abundance as the near Chedoke locations, but relative abundance does not increase to the same extent at the far locations as for locations near Lower Chedoke Creek (Figure 5-14). All trophic feeding groups showed increases and decreases in relative abundance during the CSO discharge period.

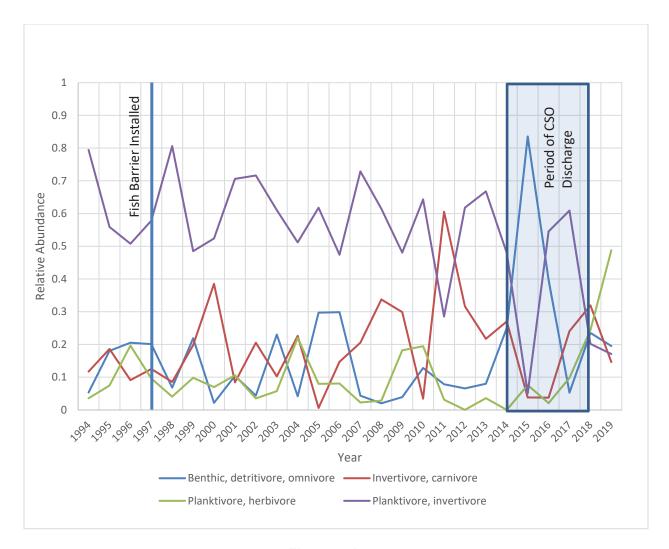


Figure 5-13:
Trends in Water Quality Sensitivity in Cootes Paradise for Locations
Near Lower Chedoke Creek

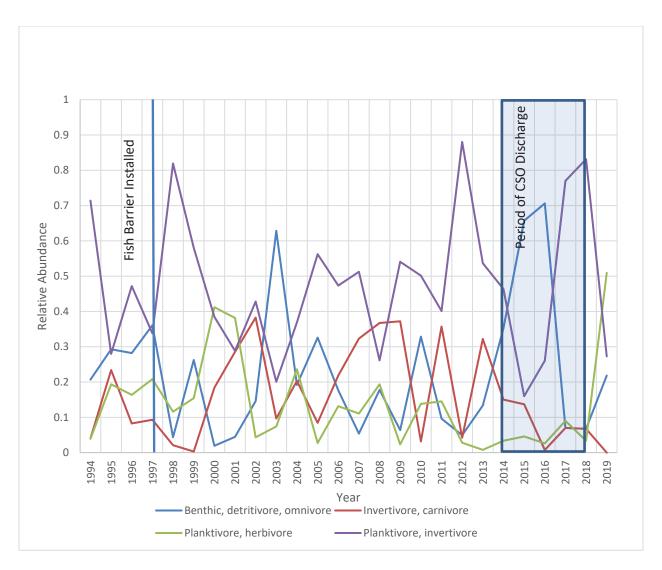


Figure 5-14:
Trends in Trophic Feeding Groups in Cootes Paradise Locations
Relatively Far From Chedoke Creek

# Lower Chedoke Creek and Lower Spencer Creek and Vicinity

Water Quality Sensitivity

Fish collected from locations in the vicinity of Lower Spencer Creek and Lower Chedoke Creek show a similar pattern of decline followed by an increase in species sensitivity to water quality during the CSO discharge period (Figure 5-15). Similarity in pattern and timing suggest that the fish community in Cootes Paradise does not respond to impacts of the CSO discharge independent of other potential influencing factors. The species sensitivity in the vicinity of Lower Spencer Creek is typically as low or lower than the species sensitivity to water quality for fish species in Lower Chedoke Creek.

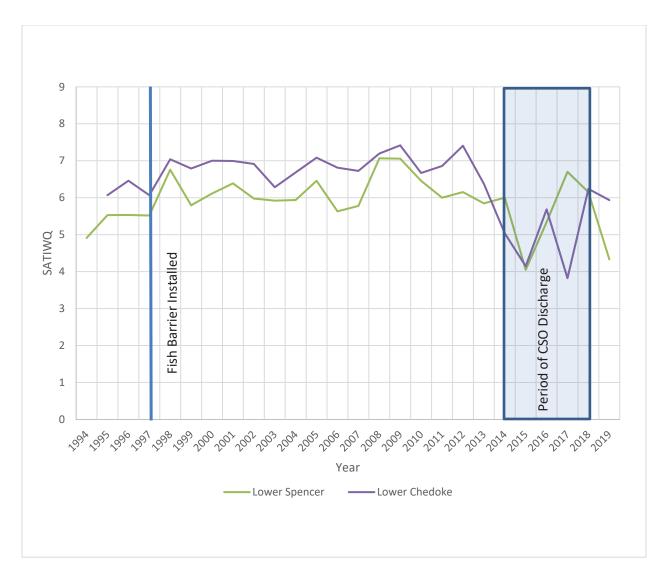


Figure 5-15:
Trends in Water Quality Sensitivity in Lower Spencer Creek and Lower Chedoke Creek

# Trophic Feeding Groups

All trophic feeding groups show variability prior to the period of CSO discharge (Figure 5-16 and Figure 5-17). The invertivore-carnivore group, the group of species most sight-dependent feeding strategies, showed a decline in relative abundance at locations in the vicinity of Lower Spencer Creek and Lower Chedoke Creek during the CSO discharge period (Figure 5-16). All trophic feeding groups at Lower Chedoke and Lower Spencer Creek locations showed increased abundance during the CSO discharge period.

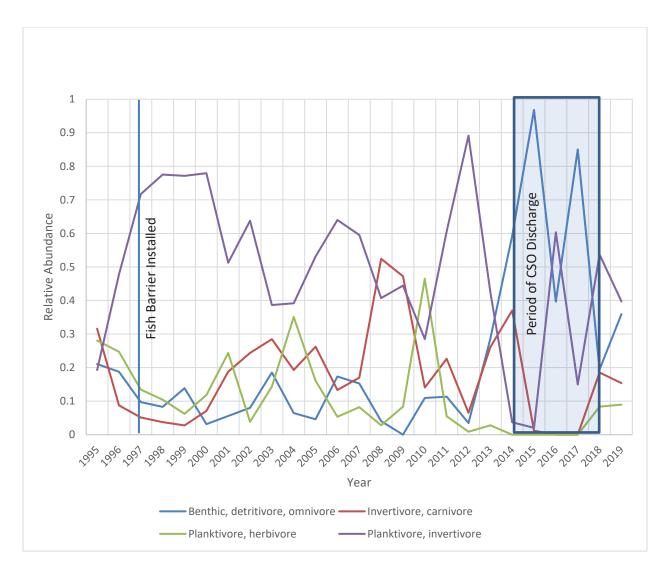


Figure 5-16:
Trends in Trophic Feeding Groups in Lower Chedoke Creek and Vicinity

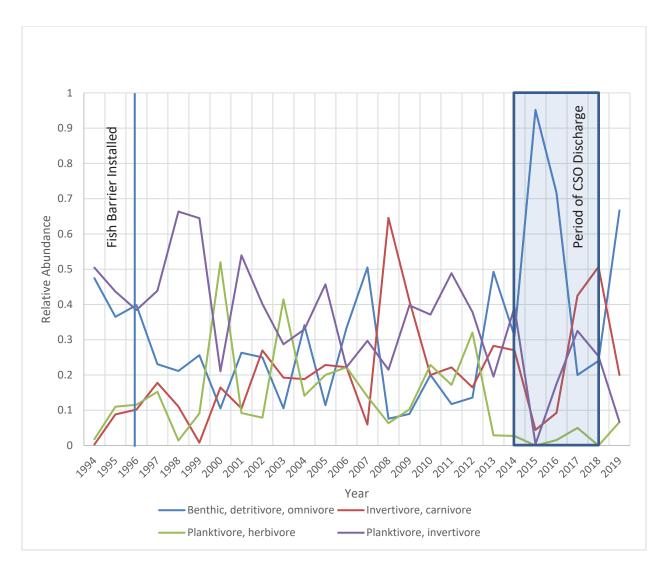


Figure 5-17:
Trends in Trophic Feeding Groups, Lower Spencer's Creek and Vicinity

# 5.7.4 Section Summary – Fish Community

Spatial and temporal patterns of fish species sensitivity to water quality and changes in relative abundance of trophic feeding groups indicate that fish in Cootes Paradise may be influenced by regional factors independent of the CSO discharge. This conclusion is supported by several observations:

- Sensitivity to water quality scores at the fishway increased from 1996 to 2000 and then varied slightly around a score of 4 showing no increase or decrease from 2000 through the CSO discharge period to 2019.
- Relative abundance of the planktivore-herbivore group at the fishway decreased and increased during the discharge period. This decrease and increase would not be expected if impacts from the discharge were negatively affecting that trophic group at the fishway.

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- Decrease in relative abundance of water quality sensitive fish species was observed 1-3
  years before the spill period in the vicinity of Lower Spencer Creek and Lower Chedoke
  Creek.
- Increases in relative abundance of water quality sensitive fish species were observed during the CSO discharge period in Cootes Paradise locations near and far from Lower Chedoke Creek.
- Similar increases and decreases in relative abundance of trophic feeding groups were observed during the CSO discharge period at locations in Cootes Paradise near and far from Lower Chedoke Creek as well as in the vicinity of Lower Spencer Creek and Lower Chedoke Creek.

Combined, these observations indicate that assessment of available information does not show impacts on fish species relative abundance in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

## 6.0 SUMMARY AND CONCLUSIONS

The purpose of this EIE was to evaluate the potential impacts of a sewage discharge from the Main/King CSO facility to Chedoke Creek on the receiving environment: Cootes Paradise. The discharge occurred between January 28, 2014 and July 18, 2018.

The potential impacts from the Main/King CSO discharge to Cootes Paradise were assessed based on existing information from extensive sources. The information reviewed included reports, research publications, memoranda, emails, data sets, figures and photographs. The impacts assessment focused on four ecosystem components: water quality, sediment quality, aquatic vegetation and fish community. The overall approach followed to evaluate impacts was generally similar for the four components and included comparisons of data obtained before, during and after the Main/King CSO discharge that occurred from 2014 to 2018. Locations in Cootes Paradise were compared with locations near Lower Chedoke Creek as appropriate to evaluate impacts of the CSO discharge on Cootes Paradise.

With respect to the requirement of Item #3 of the Director's Order as identified in this report's Introduction:

Identification of contaminants related to the sewage spill.

Substances deemed to be COPCs associated with the discharge were identified by comparing analytical chemistry from surface water samples obtained immediately downstream of the Main/King CSO during the discharge to applicable guidelines and/or local background conditions. Final COPCs included (low) DO, TSS, un-ionized ammonia, ammonia as N, nitrite as N, TKN, TP, copper and *E. coli*.

With respect to the requirements of Item #3 of the Director's Order as identified in this report's Introduction:

- Identification of known environmental impacts from the identified contaminants;
- Identification of anticipated ongoing environmental impacts from the identified contaminants;
   and
- Spatial and environmental evaluation of the contaminants remaining in Cootes Paradise.

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Overall the data reviewed indicated that impacts from the CSO discharge were limited to short-term and localized impacts on surface water quality only. The limited sediment quality data reviewed did not indicate that the Main/King CSO discharge event affected sediment quality in Cootes Paradise. The evaluation of aquatic plant and fish community data did not show impacts associated with the CSO discharge, independent from other potential influencing factors. The surface water quality data reviewed supports the conclusion that there is no evidence of long-term impact on Cootes Paradise based on water quality measurements.

Based on annual mean concentrations, changes in surface water quality in Cootes Paradise during the CSO discharge seem to have been limited to *E. coli* and TP. The impacts were temporally limited and geographically localized. Concentrations of *E coli* and TP above predischarge conditions were observed in 2018 only, within Cootes Paradise near the mouth of Chedoke Creek and the monitoring station closest to the Bay (CP1). While the discharge event appeared to have contributed TP to Chedoke Creek, the data reviewed indicated that elevated concentrations were quickly assimilated in the creek. Precise determination regarding the contribution of the discharge to TP in Cootes Paradise cannot be made because the inherent variability in concentrations in the creek did not indicate a statistically significant increase of TP over baseline, or pre-CSO discharge, conditions.

In addition, the review of Chedoke Creek water quality data indicated that the Main/King CSO discharge event:

- Had a short-lived impact on DO in Chedoke Creek but this was mitigated fully by the aeration achieved at the drop structure.
- Resulted in an impact on TSS in Chedoke Creek; however, this was quickly assimilated downstream. Post discharge TSS levels appear similar to pre-discharge levels and do not appear outside of the natural variability of TSS within this section of Chedoke Creek.
- Resulted in an increase in ammonia as N of about 1 mg/L at STN1; but this increase cannot
  be separated from the apparent ongoing influence from landfill leachate reaching the creek.
  Furthermore, the natural variability of ammonia concentrations precluded any conclusion
  regarding a statistically significant impact of either the discharge event or the leachate.
- Had no differentiable impact from other possible sources on un-ionized ammonia in Chedoke Creek.

The review indicated that landfill leachate seeping into Chedoke Creek had a historic impact on copper concentrations and appears to be continuing to add copper to the creek. With the available data, an adverse impact from copper during the discharge event is not evident.

Sediment quality data for Cootes Paradise are limited to a few sampling events and monitoring stations. In addition, physical disturbance through wave action and/or bioturbation confound the interpretation of sediment profiles to effectively provide a time series of contamination in Cootes Paradise. Keeping these limitations in mind, comparisons of nutrients and metals concentrations in the sediment samples obtained in Cootes Paradise near the mouth of Chedoke Creek before and after the discharge event do not point to increases in concentrations resulting from the discharge event.

The evaluation of impacts on aquatic vegetation considered data collected for Cootes Paradise from 1996 to 2019 and scoped to 11 established aquatic vegetation monitoring stations. To the extent possible, based on available information, percent coverage of aquatic species and vegetation types (submergent, floating and emergent) was compared before, during and after the

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CSO discharge at locations far from (West End and North Shore – reference stations) and near (potential exposure) Lower Chedoke Creek.

Magnitude of increases and decreases in percent cover for floating and submergent vegetation types during the CSO discharge were similar to, or smaller than fluctuations prior to the CSO discharge at locations both far from, in or near Lower Chedoke Creek, thus within background variation.

Based on observations described above, and consistent with other published sources, assessment of available information does not show impacts on aquatic vegetation in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

Spatial and temporal patterns of fish species sensitivity to water quality and changes in relative abundance of trophic feeding groups indicate that fish at the fishway, in Cootes Paradise, the vicinity of Lower Spencer Creek, and Lower Chedoke Creek may be influenced by regional factors. Combined, these observations indicate that assessment of available information does not show impacts on fish species relative abundance in Cootes Paradise associated with the CSO discharge, independent from other potential influencing factors.

### 7.0 RECOMMENDATIONS

With respect to the requirements of Item #3 of the Director's Order as identified in this report's Introduction:

Proposed remedial actions and recommendation with justification including timelines.

Options to remediate Cootes Paradise were contingent on the assessment of potential impacts. Given that post-discharge levels of contaminants in surface water (except ammonia as N and DO, which are components of landfill leachate) appear consistent with pre-discharge levels, no remaining adverse impacts to Cootes Paradise as a result of the Main/King CSO discharge persist. In addition, the assessment of available information does not show adverse impacts on aquatic vegetation and the fish community in Cootes Paradise associated with the CSO discharge, independent from other potential factors. Thus, remediation is not required to address impacts from the Main/King CSO discharge that occurred from 2014 to 2018, and the 'no action' alternative is recommended.

With respect to the requirements of Item #4 of the Director's Order as identified in this report's Introduction:

• "the City shall submit to the Director a written surface water monitoring program for the impacted portion of Cootes Paradise as identified by the work performed in compliance with Item No.3 above and for Chedoke Creek. The surface water monitoring program should be designed to monitor any ongoing environmental impact on the area affected by the sewage spill described in Item No. 3 above.

The review of surface water quality data indicates that COPCs concentrations in Chedoke Creek after the discharge event are comparable to concentrations measured before the discharge event. Within Cootes Paradise, ongoing environmental impacts measured by COPC concentrations, were limited to the immediate vicinity of the mouth of Chedoke Creek only during the CSO

discharge period, and investigations beyond Cootes Paradise are not justified based on the results of this environmental impact evaluation.

These findings suggest that there are no persistent, elevated concentrations of COPCs associated with the Main/King CSO discharge remaining in these water bodies. The absence of any long-term impacts in Chedoke Creek and correspondingly within Cootes Paradise due to the discharge event supports the conclusion that there is no evidence of ongoing environmental impact. Accordingly, a surface water monitoring program for the area affected by the sewage spill is not warranted.

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## 9.0 STATEMENT OF LIMITATIONS

This report has been prepared and the work referred to in this report has been undertaken by SLR Consulting (Canada) Ltd. (SLR) for the City of Hamilton referred to as the "Client". It is intended for the sole and exclusive use of the Client. Other than by the Client and as set out herein, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted unless payment for the work has been made in full and express written permission has been obtained from SLR.

This report has been prepared for specific application to this site and conditions existing at the time work for the report was completed. Any conclusions or recommendations made in this report reflect SLR's professional opinion based on limited investigations including visual observation of the study area, environmental investigation at discrete locations and depths, and laboratory analysis of specific parameters. The results cannot be extended to previous or future site conditions, portions of the site that were unavailable for direct investigation, subsurface locations which were not investigated directly, or parameters and materials that were not addressed. Substances other than those addressed by the investigation may exist within the study area; and substances addressed by the investigation may exist in areas of the creek not investigated in concentrations that differ from those reported. SLR does not warranty information from third party sources used in the development of investigations and subsequent reporting.

SLR Project No.: 209.40666.00001

April 2020

Nothing in this report is intended to constitute or provide a legal opinion. SLR expresses no warranty to the accuracy of laboratory methodologies and analytical results. SLR expresses no warranty with respect to the toxicity data presented in various references or the validity of toxicity studies on which it was based. Scientific models employed in the evaluations were selected based on accepted scientific methodologies and practices in common use at the time and are subject to the uncertainties on which they are based.

SLR makes no representation as to the requirements of compliance with environmental laws, rules, regulations or policies established by federal, provincial or local government bodies. Revisions to the regulatory standards referred to in this report may be expected over time. As a result, modifications to the findings, conclusions and recommendations in this report may be necessary.

The Client may submit this report to the Ministry of Environment Conservation and Parks and/or related Ontario environmental regulatory authorities or persons for review and comment purposes. These agencies may rely on the information contained in this report regarding the study area, as described in this report. These agencies may copy the report as required to fulfil regulatory obligations.

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# **TABLES**

Cootes Paradise: Environmental Impact Evaluation
City of Hamilton

700 Woodward Avenue, North Hamilton, Ontario SLR Project No.: 209.40666.00001

Page 1 if 1

Table 1: Surface Water Contaminants of Potential Concern (COPC) Screening

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Final COPCs		YES, max. conc > upper limit of background		YES, max. conc > upper limit of background	No	YES, max. conc < upper limit of background		YES, max. conc >upper limit of background	YES	No, the maximum concentration at STN1 during the spill is comparable to the 95th percentile at the same location before the spill	YES, max. conc >upper limit of background	Yes > 95th percentile before spill	YES, max. conc >upper limit of background	NO	_	No < 95th percentile before spill	No comparable to pro call condition	No < 95th percentile before spill	No < 95th percentile before spill	Yes > 95th percentile before spill	No < 95th percentile before spill	No < 95th percentile before spill	No < 95th percentile before spill	No, comparable to pre-spill condition	No, comparable to pre-spill condition	Page 65 of 1	SLR Consulting (Canada) Ltd. 209,40666.00001
Preliminary COPCs		YES, max. conc > screening benchmark		Uncertain	No	YES, min conc < screening benchmark		Uncertain	YES, max. conc > screening benchmark	YES, max. conc > screening benchmark	YES	Uncertain	YES, max. conc > screening benchmark	No < screening benchmark		Uncertain	YES	YES	YES	YES	YES	O N	Uncertain	Uncertain	YES		
Sample Date		July 4 2018		April 10 2015		,		June 20 2018	April 23 2018	April 10 2015	June 20 2018	April 23 2018	July 4 2018	April 24 2017		April 10 2015	October 5 2016	April 16 2014	April 10 2015	April 23 2018	April 10 2015	April 10 2015	April 16 2014	April 16 2014	April 16 2014		
Sample ID		CP11-outlet		STN-1	STN-1	STN-1		CP11-outlet	STN-1	STN-1	CP11-outlet	STN-1	CP11-outlet	STN-1		STN-1	SIN-1	STN-1	STN-1	STN-1	STN-1	STN-1	STN-1	STN-1	STN-1		
Max Conc. during the spill		4900000		75.2	7.28-8.63	3.51-11.92		14.2	220	3.89	0.19	14.4	2.8	116	-	0.067	0.303	0.005	0.0012	0.0359	2.19	0.0058	28.8	246	0.091		
95th at locations STN1 before spill		na		87	9.3	15		0.31	13.6	3.7	na	1.49	0.53	128		0.07	125	0.01	0.002	0.015	4.1	0.013	31	202	0.08		Page 1 if 1
95th at location upstream of CSO		86750		16.1	8.4	14.4		0.42	na	2.7	0.1	na	0.5	na		na	na 22	eu	na	na	na	na	na	na	na		
BCAWQG												na		218		na	2	B					na	na		ideline.	
CCME WQG						>5.5			20	m	0.06	na				na	1.5	III					na	na		ore stringent gui	
PWQ0²		100		na	6.5 - 8.5	na		na	20	na		na	0.03	na		na	0.7	0.001	0.000	0.005	0.3	<b>0.025</b> (Alkalinity >80)	na	na	0.03	). orted value represents m	
Units				mg/L	Hd	mg/L		mg/L	1/8π	mg/L		mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	s (PWQO, 1994) and Cr +6. Repc	
Parameter	Bacteria	Ecoli	Physico-chemical Parameters	Total Suspended Solids	pH (Field)	Dissolved Oxygen	Nutrients	Ammonia as N	Ammonia (un-ionized) as NH3	Nitrate as N	Nitrite as N	Total Kjeldahl Nitrogen as N	Total Phosphorus	Sulphate	Total Metals	Barium	Boron	Chromium (total)	Cobalt	Copper	Iron	Lead	Magnesium	Sodium	Zinc	Notes:  µg/L – micrograms per litre  mg/L - miligrams per litre <sup>2</sup> Provincial Water Quality Objectives (PWQO, 1994). <sup>a</sup> Individual guideline exist for Cr +3 and Cr +6. Reported value represents more stringent guideline.	ty of Hamilton ootes Paradise Effects Evaluation

Cootes Paradise July 27, 2018 - Dissolved Oxygen and E coli One-Time Monitoring Event -RBG Data

Table 2:

Station 2019 Location	2018 Date	2018 Temp	2018 Turbidity	2018 DO (mg/l)	2018 Ecoli_CFU/100ml	X (Easting)	Y (Northing)	Elevation
1 BH	7/27/2018	24.15	29.01	90'9	210	589498.845	4792908.385	73.602707
2	7/27/2018	24.47	28.53	29:5	50,000	589745.942	4792675.285	73.443481
3 FW	7/27/2018	24.64	26.78	3.93	420	589808.866	4792495.064	73.830353
4	7/27/2018	24.59	34.45	4.76	120	589799.617	4792457.952	74.766411
5	7/27/2018	24.59	31.12	3.67	1,700	589817.474	4792476.297	73.217133
6 Chedoke side of FW WFT	7/27/2018	25.02	32.12	8.52	310	589771.618	4792359.946	74.274666
7	7/27/2018	26.18	62.49	7.86	1,300	589768.983	4792044.13	74.354195
8 Chedoke bridge WFT	7/27/2018	22.2	64.44	29:5	15,000	589765.285	4791851.704	73.923302
9 Chedoke creek	7/27/2018	22.61	72.53	5:32	14,700	589817.226	4791680.006	74.009804
10	7/27/2018	24.6	45.78	20.5	4,800	589617.225	4791816.528	73.822525
11 Chedoke bay PP	7/27/2018	24.41	47.64	5.26	7,400	589590.225	4791931.357	74.119438
12 PPt E side of tip	7/27/2018	25.81	44.96	7.24	4,300	589603.564	4792039.503	74.544113
13	7/27/2018	25.03	29.02	8.56	1,400	589583.79	4792412.224	74.13192
14	7/27/2018	25.19	31.87	8.29	14,200	589462.847	4792192.594	74.877922
15 WI marsh	7/27/2018	25.34	30.74	8.51	1,500	589309.615	4791909.668	74.214447
16	7/27/2018	25.87	31.52	6.31	21,800	589000.047	4791553.378	74.86792
17	7/27/2018	23.9	29.44	8.26	2,000	588914.937	4792027.329	75.421913
18 Double marsh	7/27/2018	25.73	41.98	8.89	1,130	588634.247	4791534.147	73.791481
19 Just E of cattails	7/27/2018	25.69	21.21	10.61	2,400	588076.468	4791448.686	73.581482
20 Mouth of MAC landing	7/27/2018	26.24	41.49	11.17	70,000	587724.122	4791374.48	74.557945
21	7/27/2018	25.7	54.55	9.07	28,900	588024.613	4791673.158	75.189583
22	7/27/2018	25.48	24.97	9.27	310	588337.1	4791821.173	75.213493
23 Spencer creek mouth	7/27/2018	22.81	30.58	5.48	1,500	588558.336	4792120.399	73.672295
24 Spencer creek by N oxbow	7/27/2018	22.78	31.23	85'9	8,000	588061.951	4792085.167	74.204201
25 Old DC near SC1	7/27/2018	20.9	51.27	9:99	8,100	587914.75	4791852.339	77.342216
26 Spencer creek between Sc6 and SC7	7/27/2018	21.66	30.15	82'9	5,400	587371.055	4791878.521	75.331352
27	7/27/2018	20.1	43.12	7.61	14,300	587198.549	4791553.522	76.130127
28 BC at mouth	7/27/2018	21.29	21.61	8.35	3,400	587179.709	4791655.355	75.456955
29	7/27/2018	24.38	20.76	8.89	800	588663.314	4791974.048	74.589165
30 Hickory Bay W	7/27/2018	24.89	41.1	7.02	2,600	588754.015	4792410.976	73.695961
31 Hickory Bay E	7/27/2018	25.08	31.42	6.81	30	588977.532	4792563.519	73.593102
32 DC (CP6)	7/27/2018	23.87	7.46		220	586333.392	4791174.476	75.348778
33 Specer creek logjam	7/27/2018	19.92	46.69	7.38	9,100	587216.875	4791611.853	74.90802
34 Inner bay far NW end	7/27/2018	26.24	43.58		450	587597.416	4791582.319	74.323883
35 Inner bay N side	7/27/2018	25.83	31.46	8.59	23,900	587800.56	4791733.124	75.101906
36 PPt W side of tip	7/27/2018	25.45	37.86	7.92	3,900	589494.206	4792073.046	74.550598
37 403 shore	7/27/2018		25.66	5.24	170	589634.583	4792848.425	73.243576
38 BH original outlet	7/27/2018	24.75	28.39	4.27	09	589478.075	4793092.713	72.993629

Cootes Paradise July 27, 2018 - Dissolved Oxygen and E coli One-Time Monitoring Event -RBG Data Table 2:

Station 2019 Location	Location	2018 Date	2018 Temp	2018 Turbidity	2018 Turbidity 2018 DO (mg/l)	2018 Ecoli_CFU/100ml	X (Easting)	Y (Northing)	Elevation
39	39 Inlet back of MAC landing	7/27/2018	26.24	15.86	3.49	1,800	587579.955	4791206.005	74.663506
40		7/27/2018	24.66	3.67	4.12	20	586834.622	4791445.334	74.752975
41		7/27/2018	21.19	44.26	6.34	4,900	588444.181	4792080.487	73.290535
42	42 N side of Cockpit island	7/27/2018	25.77	30.98	8.46	006	589043.463	4791856.517	73.745613
43	43 CP1-SW	7/27/2018	24.25	28.99	8.25	1,300	589365.816	4792239.186	74.854134

Parameter	Category
C	Less than initial HHRAP DO target of >5 mg/L
3	More than initial HHRAP DO target of >5 mg/L
	Less than target of 1000 num/100ml
	> target but < 2x target
	> 2x target but < 5x target
E coli	E coli > 5x target but < 10 x target
	> 10 x target but < 20 x target
	> 20 x target < 50 x target
	> 50 x target

Source: RBG data provided by City of Hamilton

Table 3:	Cootes Paradise August 7, 2019 - Dissolved Oxygen a	kygen and E coli O	ne-Time Moni	nd E coli One-Time Monitoring Event -RBG Data	BG Data				
Station 2019	Location	Date	Water Temp	Turbidity	DO (mg/l)	Ecoli_CFU/100ml	Easting	Northing	Elevation
E1	BH original outlet	7-Aug-19	24.4	16.3	4.88			4793073.735	73.19222
E2	НВ	7-Aug-19	24.5	9.6	9.11	10	589472.815	4792931.477	73.18986
E3	403 shore	7-Aug-19	24.6	8.81	9.02	390	589652.953	4792809.454	72.93179
E4	Near O1	7-Aug-19	24.5	9.15	8.56	10	589653.893	4792738.379	72.65328
E5	403 shore by FW	7-Aug-19	24.9	12.2	7.6	2300	589802.055	4792580.392	71.82575
E6	FW	7-Aug-19	24.3	11.22	7.54	430	589795.176	4792486.998	71.42715
E7	Chedoke side of FW WFT	7-Aug-19	25	15.28	6.95	3000	589772.041	4792395.611	71.60945
E8	Mouth of Chedoke WFT	7-Aug-19	25.2	13.5	7.56	870	589750.359	4792194.279	71.23878
E9	Chedoke bridge WFT	7-Aug-19	24.7	15.2	7.3	2000	589779.804	4791809.241	71.52891
E10	Chedoke creek	7-Aug-19	24.6	12.7	90.6	3900	589814.233	4791660.857	71.88013
E11	Inside Chedoke bay	7-Aug-19	24.9	10.2	9.4	1300	589697.937	4791862.584	72.19721
E12	Chedoke bay PP	7-Aug-19	24.9	16.2	8.39	009	589582.940	4791966.584	71.83782
E13	PPt E side of tip	7-Aug-19	25.2	15.8	7.2	009	589573.622	4792057.542	71.85485
E14	CP1-SW	7-Aug-19	25.1	12.55	8.11	30	589409.022	4792230.867	74.40499
E15	PPt W side of tip	7-Aug-19	25.2	18.8	6.64	1000	589460.153	4792046.048	74.34592
E16	WI marsh	7-Aug-19	25.2	16.3	6.28	4000	589348.205	4791919.058	74.48854
E17	N side of Cockpit island	7-Aug-19	25.1	16.8	6.27	30	589130.033	4791846.210	74.4514
E18	SE of Hickory island	7-Aug-19	24.6	8.3	11.2	029	589115.219	4792355.846	74.10172
E19	Hickory Bay E	7-Aug-19	24.7	10.7	8.6	880	588974.338	4792578.365	73.94665
E20	Hickory Bay W	7-Aug-19	24.7	17.6	6.57		588659.921	4792419.854	74.19501
E21	Spencer creek mouth	7-Aug-19	25.1	13.3	6.65	300	588558.400	4792115.295	74.46416
E22	Double marsh	7-Aug-19	25.1	18.05	5.05	30	588703.576	4791564.045	75.28707
E23	Middle W of CP2	7-Aug-19	25.1	12.2	7.41	220	588505.094	4791846.911	75.62593
E24	West of E23	7-Aug-19	24.7	17.05	6.24	. 10	588246.381	4791770.231	75.49037
E25	Inner bay N side	7-Aug-19	25.2	8.8	6.18	150	587792.549	4791718.801	76.39122
E26	Inner bay far NW end	7-Aug-19	25	8.7	6.07	100		4791571.807	76.68253
E27	Mouth of MAC landing	7-Aug-19	25.2	10.8	5.31	70	587699.925	4791349.950	76.32878
E28	Inlet back of MAC landing	7-Aug-19	24.9	6.4	3.77	40	587531.929	4791160.066	77.03273
E29	Just E of cattails by	7-Aug-19	25	13.5	4.14	110	587999.912	4791374.939	77.24747
E30	King Fisher bay	7-Aug-19	25.3	15.3	5.77	320	588371.053	4791545.264	77.14645
E31	Spencer creek by N oxbow	7-Aug-19	22.6	15.5	5.26	1000	588047.577	4792079.764	76.85618
E32	Old DC near SC1	7-Aug-19	23.3	18.3	4.32	440	587904.442	4791852.428	77.32198
E33	Spencer creek between Sc6 and SC7	7-Aug-19	21.5		4			4791864.282	77.14144
E34	Spencer creek downstream of WP and BC	7-Aug-19	21.2		7.01			4791675.136	76.82714
E35	Confluence of WP and BC	7-Aug-19	20.8	18.5	7.22	3200	587192.987	4791638.868	77.00849

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Table 3:	Cootes Paradise August 7, 2019 - Dissolved Oxygen and	gen and E coli O	ne-Time Monit	E coli One-Time Monitoring Event -RBG Data	3G Data				
Station 2019 Location	Location	Date	Water Temp Turbidity		DO (mg/l)	Ecoli_CFU/100ml Easting		Northing	Elevation
E36	BC at mouth	7-Aug-19	20.3	16.5	7.58		587176.486	2500 587176.486 4791659.760 76.62929	76.62929
E37	WP outflow channel	7-Aug-19	21.3	13.5	5.59		587088.293	1 <mark>900</mark> 587088.293 4791575.322 76.53146	76.53146
E38	DC (CP6)	7-Aug-19	24.4	3.85	9.38		586362.804	100 586362.804 4791185.066 75.39981	75.39981
E39	Specer creek logjam	7-Aug-19	20.8	17.6	7.19	(1)	587218.046	3400 587218.046 4791583.654 75.32508	75.32508

Parameter	Category
C	Less than initial HHRAP DO target of >5 mg/L
3	More than initial HHRAP DO target of >5 mg/L
	Less than target of 1000 num/100ml
	> target but < 2x target
	> 2x target but < 5x target
E coli	E coli > 5x target but < 10 x target
	> 10 x target but < 20 x target
	> 20 x target < 50 x target
	> 50 x target

Source: RBG data provided by City of Hamilton

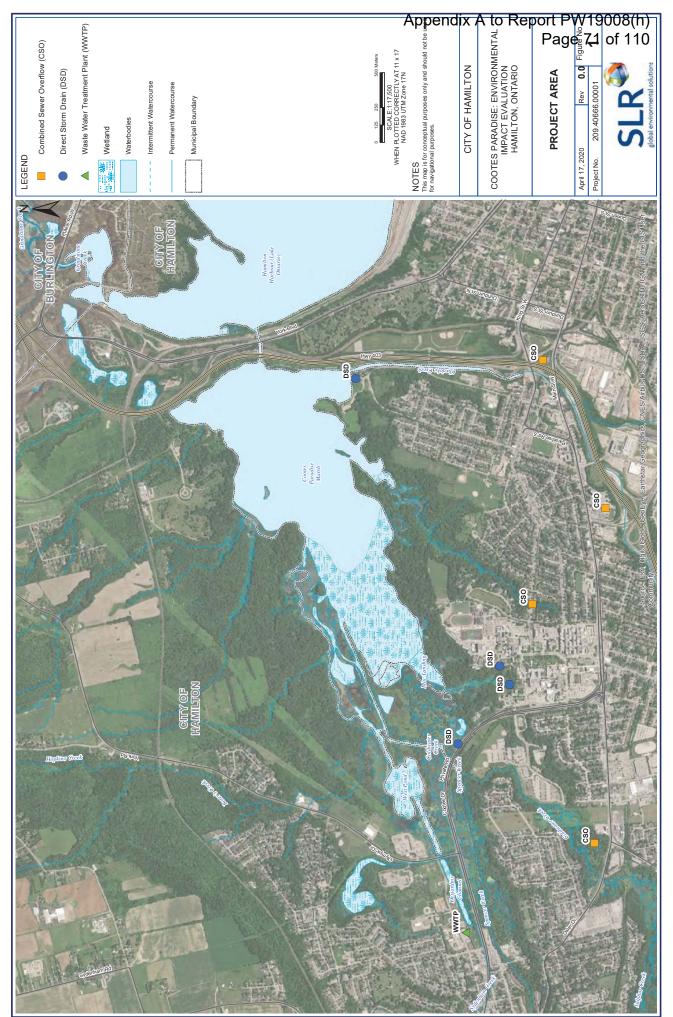
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Page 70 of 110

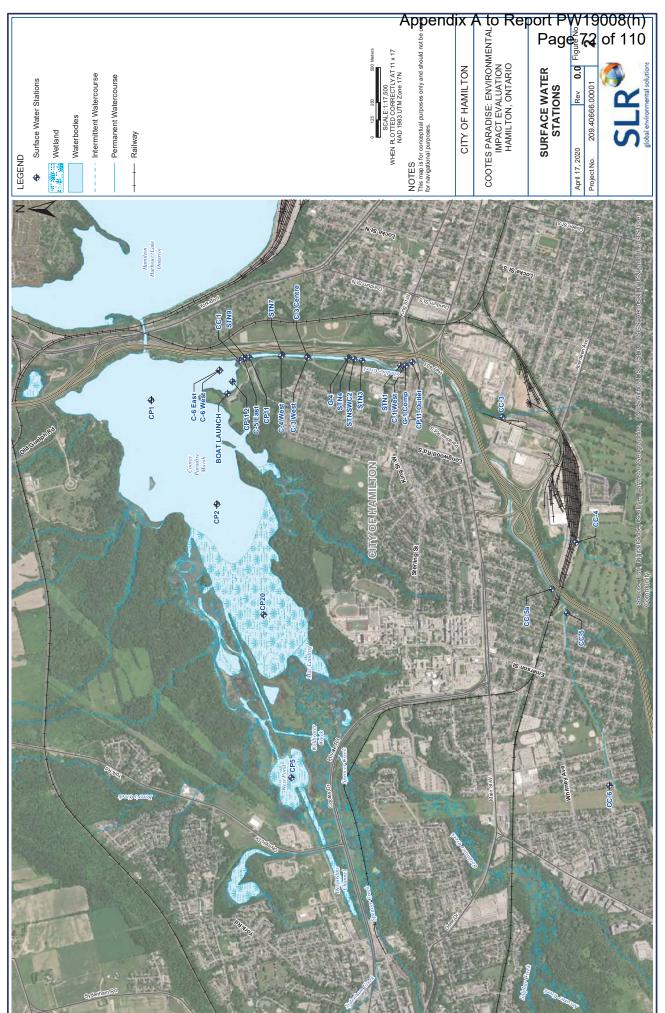
### **FIGURES**

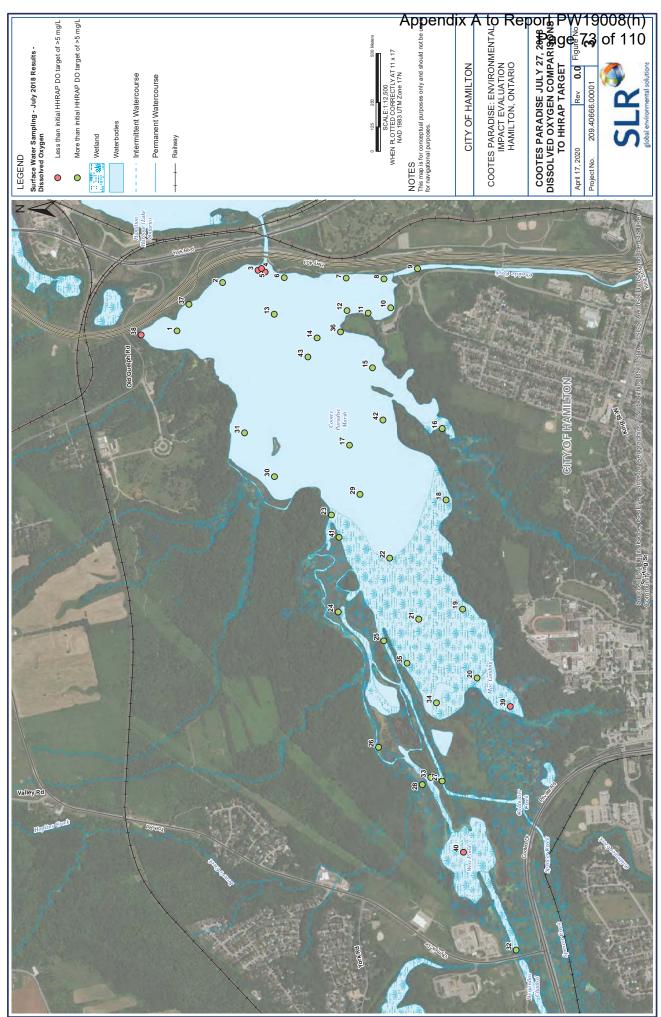
Cootes Paradise: Environmental Impact Evaluation City of Hamilton

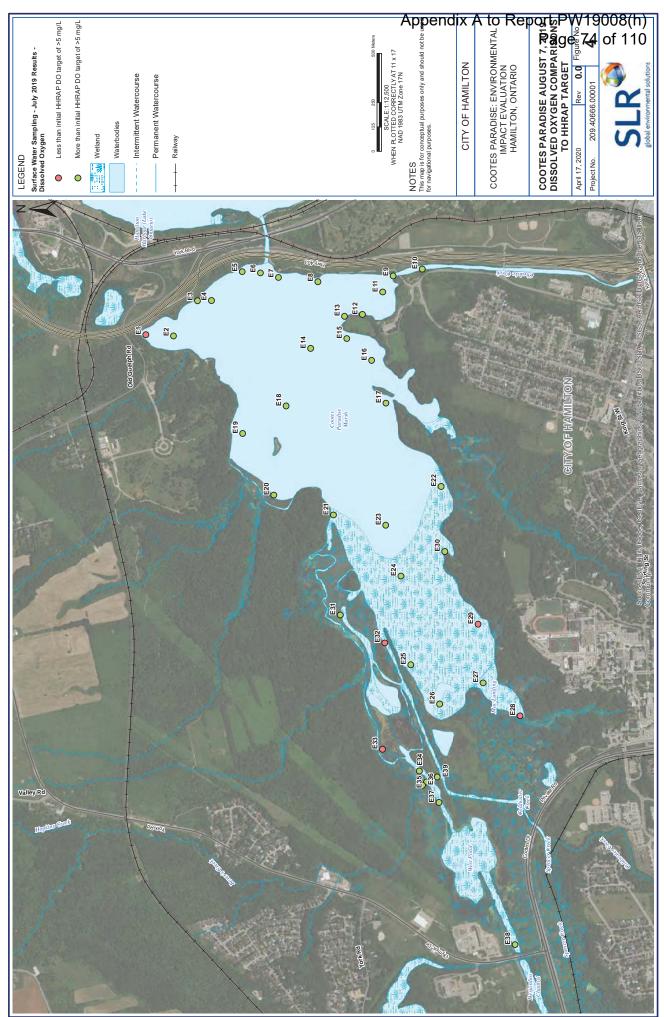
700 Woodward Avenue, North Hamilton, Ontario

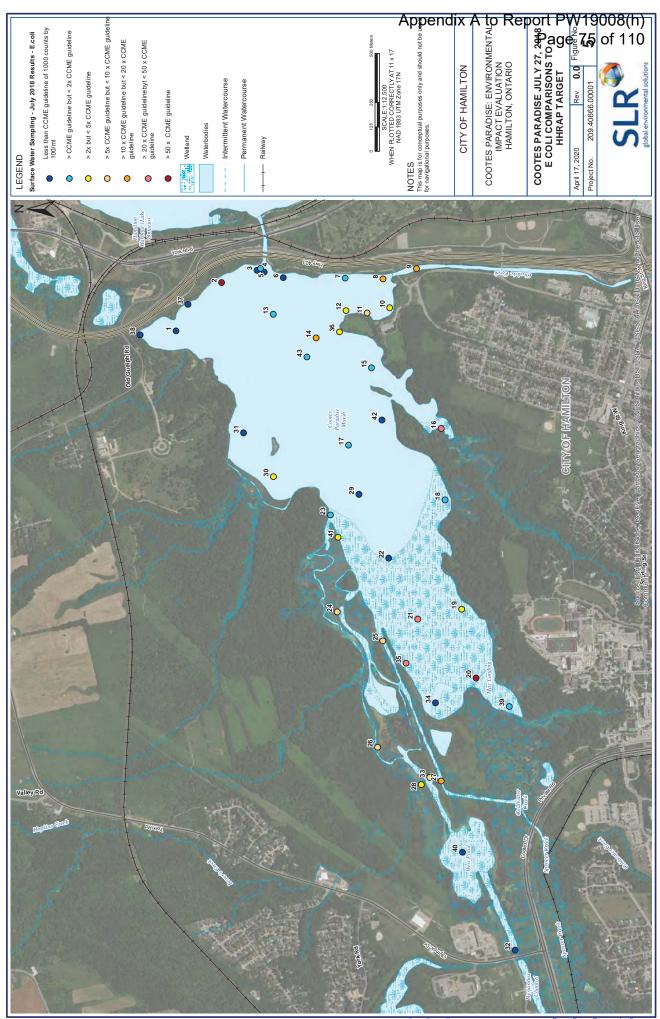
SLR Project No.: 209.40666.00001

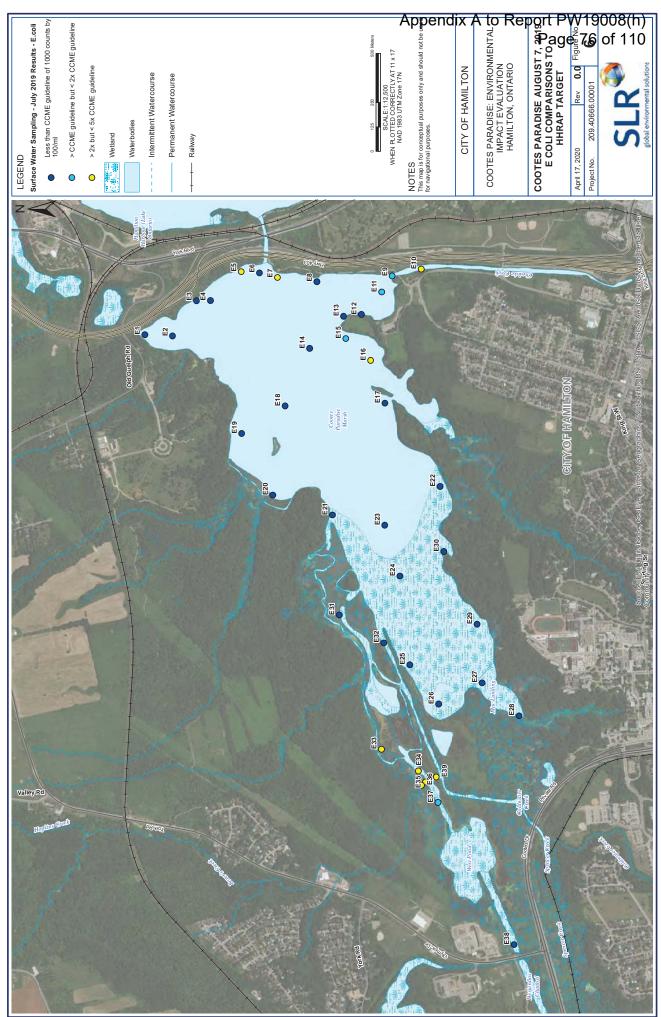


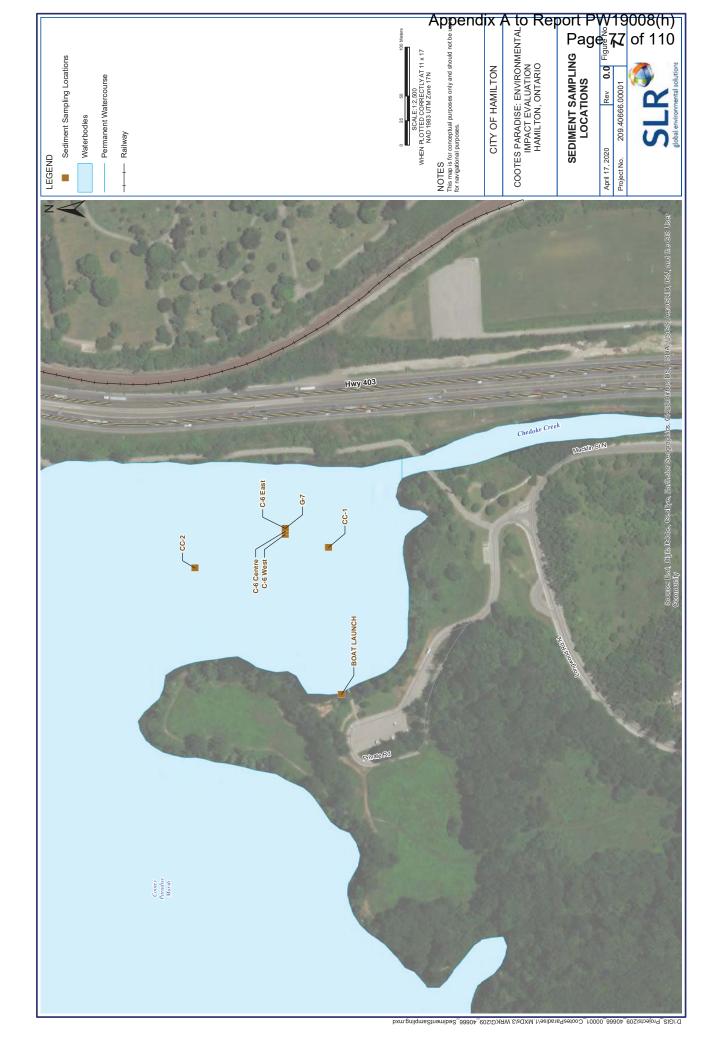


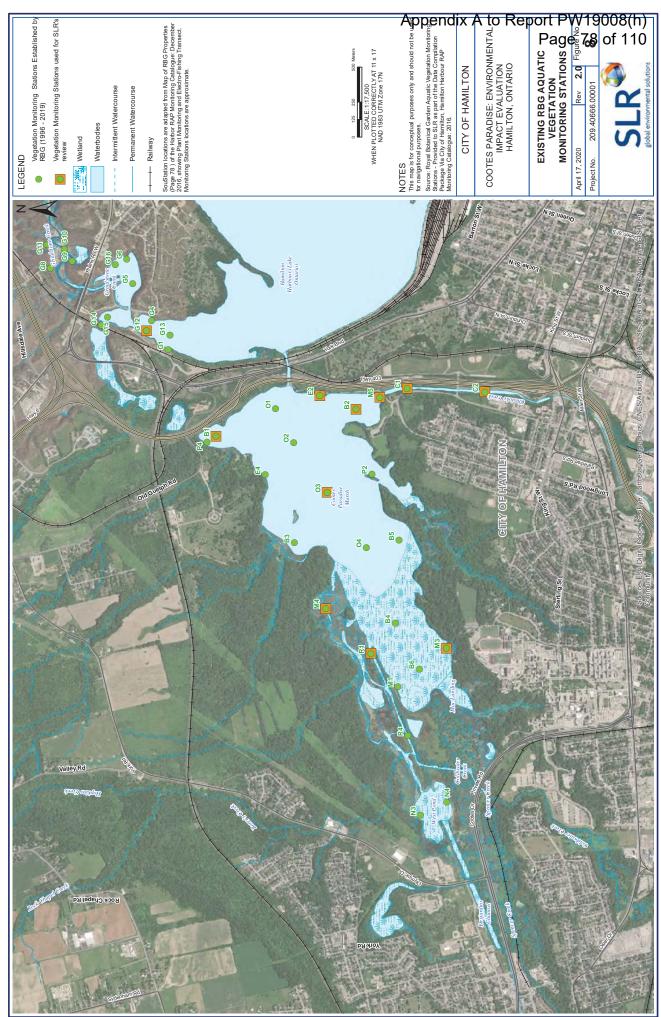


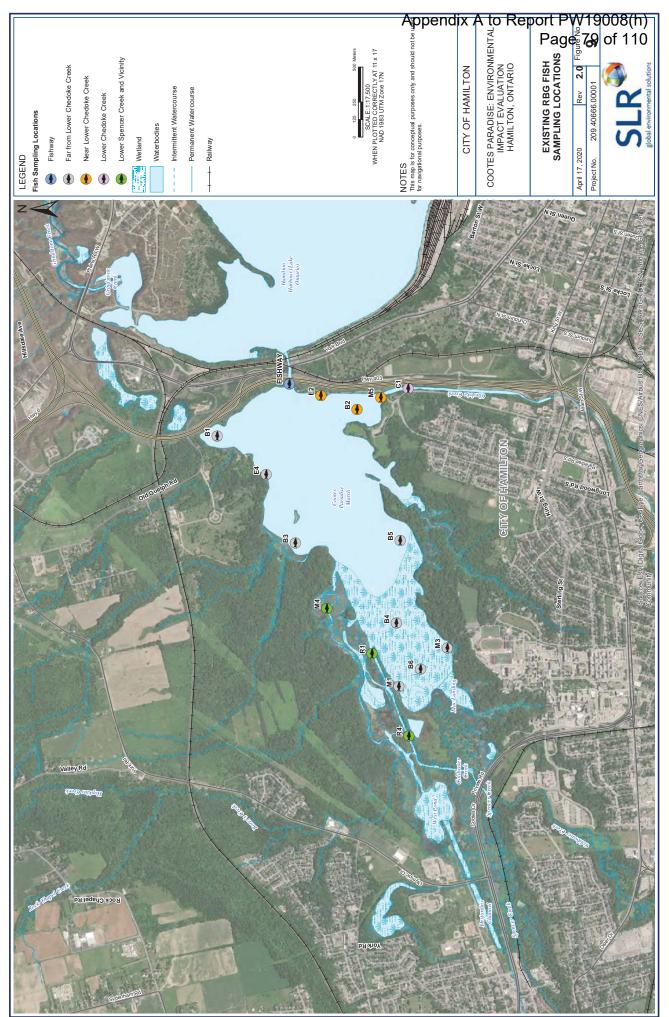












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## **APPENDIX A Information Sources**

Cootes Paradise: Environmental Impact Evaluation

City of Hamilton

700 Woodward Avenue, North Hamilton, Ontario

SLR Project No.: 209.40666.00001

SLR Consulting (Canada) Ltd.: 209.40666.00001

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Cryor of Hamilton   2									,	
Missier Plan III in Natural Aussissment Corporation (MRC)  Copcration (MRC)  Copcrat	Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
City of Hamilton 66 Water Quality Report 2017 Annual Report Control of Hamilton 67 Water Quality Chedoke Creek Report 2017 Annual Report Clay of Hamilton 67 Water Quality Chedoke Creek Report 2018 Annual Report Clay of Hamilton 67 Water Quality Chedoke Creek Report 2018 Annual Annual Report Clay of Hamilton 68 Water Quality Certificate of Analysis City of Hamilton 68 Water Quality Report 2018 Annual Ring Influent Report 101 - Dec Report 101 - D	1	City of Hamilton McCormick Rankin Corporation (MRC)	16	Natural Environment		2003	Natural environment	Cootes Paradise, Spencer Creek, Chedoke Creek, Ancaster/Coldwater Creek	The City of Hamilton initiated the Ainslie Wood/Westdale Secondary Plan and Class Environmental Assessment to provide a land use plan and guidelines for development and re-development of lands within the Ainslie Wood/Westdale Ainslie Wood/Westdale Harishourhoods.  The existing conditions of the Ainslie Wood/Westdale area with respect to the natural environment, drainage and storm water management have been investigated through a review of available background reports, compilation of available digital information and mapping, detailed site reconnaissance, and computer reconnaissance, and computer	McCormick Rankin Corporation (MRC). 2003. City of Hamilton Ainsilie Wood/Westdale Neighborhoods Class Environmental Assessment Storm Water Management Master Plan. Final Report. December 2003.
City of Hamilton 24 Water Quality Chedoke Creek Ammonia + Chedoke Creek at confluence = no info, just E.Coli Investigation Samples - excel spreadsheet with google map of sample sites and spreadsheet with google map of sample sites are all coli, Elucinia. Phosphorus Dissolved total, TSS, E. coli, Metal, S. Anions, Ammonia, TRN, pH Ammonia, TRN, pH Ammonia, TRN, pH Ammonia, Field City of Hamilton 68 Water Quality Appendix B to Report 1 Jul – Dec E. coli, DO, Parameters Phosphorus, TSS, Ph	2	City of Hamilton	99	Water Quality	nks Performance 2017 Annual	2017	Overflow data, water quality	City of Hamilton area		City of Hamilton. 2017. CSO Tanks Performance Report 2017 Annual Report
City of Hamilton 67 Water Quality Certificate of Analysis City of Hamilton 68 Water Quality PW19008(f) PW1908 City of Hamilton 68 Water Quality PW19008(f) PW1908 PW2019 Flouride, Caffeine	м	City of Hamilton	24	Water Quality		2018	Ammonia + Ammonium as N, Boron, Caffeine, E. Coli, Fluoride, Phosphorus Dissolved total, Phosphorus Total, TSS	Chedoke Creek	at confluence = no info, just E.Coli	
City of Hamilton 72 Water Quality Certificate of Analysis 2018-09-07 Ammonia, Field Chedoke Creek  Main and King Influent  Dec E. coll, DO, Chedoke Creek  PW19008(f) 101 – Dec E. coll, DO, Chedoke Creek  Nov 2019 Ammonia, Boron, Fluoride, Caffeine  Fluoride, Caffeine	4	City of Hamilton	29	Water Quality		2018-09-06	BOD, TSS, E. coli, Metals, Anions, Ammonia, TKN, pH	Chedoke Creek		City of Hamilton. 2018. Certificate of Analysis. Environmental Monitoring and Enforcement. Main and King Influent. Sample Date 2018-09-06.
City of Hamilton 68 Water Quality Appendix B to Report Jul – Dec E. coli, DO, Chedoke Creek PW19008(f) 2018, Aug & Phosphorus, TSS, Nov 2019 Ammonia, Boron, Fluoride, Caffeine	2	City of Hamilton	72	Water Quality	1	2018-09-07	Ammonia, Field parameters	Chedoke Creek		City of Hamilton. 2018. Certificate of Analysis. Environmental Monitoring and Enforcement. Main and King Influent. Sample Date 2018-09-07.
	9	City of Hamilton	89	Water Quality		Jul – Dec 2018, Aug & Nov 2019	E. coli, DO, Phosphorus, TSS, Ammonia, Boron, Fluoride, Caffeine	Chedoke Creek		Appendix B to Report PW19008(f), Pages 1-6

SLR Consulting (Canada) Ltd.: 209.40666.00001

Reference	Hamilton Water Quality Data - Influent and Effluent, Main King CSO	City of Hamilton. 2010. Chedoke Creek Remediation Project, Swana Excellence Award Landfill Management. April 16, 2010	Fisheries and Oceans Canada. 2014. Letter of Advice. 14-HCAA-00568.	Morris, T.J., K. McNichols-O'Rourke, J. VandenByllaardt, and S. Reid. 2015. Freshwater Mussel Sampling in Cootes Paradise, Lake Ontario, with emphasis on Eastern Pondmussel ( <i>Ligumia nasuta</i> ). Report to the Mollusc Specialist Subcommittee of the committee on the Status of Endangered Wildlife in Canada.	Dillon Consulting Limited. 2006. Chedoke Creek Erosion and Slope Stability Improvements Municipal Class Environmental Assessment. 06-5921.	Dillon Consulting. 2007. Chedoke Creek – Soil Sampling Results. Memorandum to City of Hamilton. April 24, 2007
Data Summary	<u>I e</u>	2 2 8 8	Provided follow mitigation measures Fin plans, the project will not result in Luserious harm to fish as well as impacts to aquatic species at risk (Eastern Pondmussel and Lilliput) and their habitat.	Cootes Paradise still maintains a significant mussel community. A large VandenByllaardt, and S. Reid. 2015. and reproducing population of the Endangered Toxolasma parvum occurs Paradise, Lake Ontario, with emphasis in the area.  The stress of Endangered Toxolasma parvum occurs Paradise, Lake Ontario, with emphasis in the area.  The stress of Endangere Committee on the Status of Endangere Wildlife in Canada.	а о « ш	Certificate of Analysis Soil sampling results Figure of sites
Sites/Stations	Chedoke Creek	Chedoke Creek	Chedoke Creek	Cootes Paradise, Iower Spencer Creek	Chedoke Creek	Chedoke Creek
Parameters	Metals, BOD, E. Coli, Fecal Coliform, TSS, TKN					Arsenic, beryllium, boron
Years	May, July, Nov, 2019	2010	2014	2015	2006	2007
Title	Hamilton Water Quality May, July, Data - Influent and Effluent Nov, 2019	Chedoke Creek Remediation Project, Swana Excellence Award Landfill Management	Letter of Advice— Implementation of mitigation measures to avoid and mitigate serious harm to fish – Chedoke Creek.	ırio, astern <i>ia</i>	Chedoke Creek Erosion and Slope Stability Improvements, Municipal Class Environmental Assessment	Chedoke Creek – Soil Sampling Results
Subject	Water Quality	Natural Environment	Fish	Freshwater Mussel Sampling in Cootes Sampling in Cootes Paradise, Lake Onta with emphasis on E Pondmussel (Ligum nasuta)	Erosion, Slope Stability	Soil
Document #	92	54	<b>o</b>	10	11	23
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Row	/ Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
13	Dillon Consulting Limited	26	Groundwater, Surface Water quality	Updated West Hamilton Landfill Seepage Assessment Report	2012	Water level, chemical parameters	Chedoke Creek	The initial assessment work and follow-up monitoring program has been completed to evaluate if Seep C2 is influenced by groundwater flow from the West Hamilton Landfill site. The scope of this study did not look to see if the seep influenced the water quality of the creek or if the creek was impacted by the adjacent landfill. The scope was specifically limited to determining if Seep C2 was likely impacted by West Hamilton Landfill.	Dillon Consulting Limited. 2012. Updated West Hamilton Landfill Seepage Assessment Report. Prepared for City of Hamilton. Project No. 12- 6961
14	Great Lakes Laboratory for Fisheries & Aquatic Science, RBG	48	Aquatic Vegetation	Aquatic vegetation trends from 1992 to 2012 in Hamilton Harbour and Cootes Paradise, Lake Ontario	2016	Aquatic Vegetation	Cootes Paradise	Using our recent dataset, we tested relationships that had been previously established in the literature between emergent extent and water levels for Cootes Paradise and also the connection between maximum depth of submergent colonization and Secchi depths but simple univariate tests were not significant.	K. E. Leisti, T. Theÿsmeÿer, S. E. Doka & A. Court (2016) Aquatic vegetation trends from 1992 to 2012 in Hamilton Harbour and Cootes Paradise, Lake Ontario, Aquatic Ecosystem Health & Management, 19:2, 219-229
15	Habitat Conservation Authority (HCA)	28	Natural Environment	Chedoke Greek Subwatershed Stewardship Action Plan	2008	Natural history & significant species	Chedoke Creek	Chedoke Creek subwatershed characterization	Hamilton Conservation Authority. 2008. Chedoke Creek Subwatershed Stewardship Action Plan. Endorsed by the Hamilton Conservation Authority Board of Directors April 3, 2008.
16	НСА	26.4	Water quality	2014 Tributary Monitoring for Cootes Paradise to Support the Hamilton Harbour Remedial Action Plan	2014	Total Phosphorus, Orth-phosphate, nitrate/nitrite/ammo nia, TSS, E. Coli	Cootes Paradise, Spencer Creek, Chedoke Creek, and Borers Creek, Ancaster Creek.	Cootes Paradise, Monitoring program aimed at Spencer Creek, Chedoke understanding water quality Creek, and Borers contributions from creeks flowing into Creek, Ancaster Creek. Cootes Paradise marsh and ultimately Hamilton Harbour.	Hamilton Conservation Authority. 2015. 2014 Tributary Monitoring for Cootes Paradise. To support the Hamilton Harbour Remedial Action Plan. Watershed Planning & Engineering. March 31, 2015.

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	Reference	Excel spreadsheet with data, Project Descriptions, map	Excel spreadsheet	Hamilton Conservation Authority. 2016. 2015 Tributary Monitoring for Cootes Paradise. To support the Hamilton Harbour Remedial Action Plan. Watershed Planning & Engineering. March 31, 2016.	Hamilton Conservation Authority. 2017. 2016/2017 Tributary Monitoring for Cootes Paradise. To support the Hamilton Harbour Remedial Action Plan. Watershed Planning & Engineering. May 31, 2017.	Hamilton Conservation Authority. 2017. 2016/2017 Tributary Monitoring for Cootes Paradise. To support the Hamilton Harbour Remedial Action Plan. Watershed Planning & Engineering. May 31, 2017.
	Data Summary	To support the HHRAP, since spring of 2014 the HCA has been taking biweekly grab samples in Spencer Creek, Ancaster Creek, Borers Creek and Chedoke Creek in order to gather information on non-point sources of nutrients, sediments and bacteria into Cootes Paradise Marsh and ultimately the Hamilton Harbour. Over the past four years of sampling and data analysis, the program has grown from 7 sampling locations in 2014 to 15 in 2018 — most of these additional locations are located in Chedoke Creek in response to very poor water quality and elevated levels of nutrients and bacteria found near the mouth of the creek (site CP-11).	Chedoke Creek All Data – 2014 to 2019.xlsx	Ancaster Creek, Sulphur Monitoring program aimed at Creek, Borers Creek, understanding water quality Lower Spencer Creek, contributions from creeks flowing into Chedoke Creek. Cootes Paradise marsh and ultimately 7 surface water Hamilton Harbour.	Monitoring program aimed at understanding water quality contributions from creeks flowing into Cootes Paradise marsh and ultimately Hamilton Harbour.	Monitoring program aimed at understanding water quality contributions from creeks flowing into Cootes Paradise marsh and ultimately Hamilton Harbour.
	Sites/Stations	Ancaster Creek, Chedoke Creek (AC-1, AC-2, AC-3, AC-4, AC-5, CP-7, CP-11, CP-18, CC-3, CC-5, CC-7, CC-9, CC-2, CC-5a, CC-10)	Cootes Paradise, Chedoke Creek CP-11, CC-3, CC-5, CC-7, CC-9 CC-2, CC-5a, CC-10	Ancaster Creek, Sulphur Creek, Borers Creek, & Lower Spencer Creek, & Chedoke Creek. 7 surface water sampling locations.	In 2015, the monitoring program was further expanded in that storm event samples were taken at site AC-1 using an ISCO automated composite sampler	In 2016 the sampling period was lengthened to be year-round at all seven stations.
	Parameters	Ammonia, Nitrate, Nitrite, Phosphorus, TSS, E. coli, turbidity	Ammonia, Nitrate, Nitrite, phosphorus, TSS, E. coli, DO, pH, turbidity	Total Phosphorus, Unionized Ammonia, Nitrate, Nitrite, TSS, VSS, E. Coli.	Total Phosphorus, Unionized Ammonia, Nitrate, Nitrite, TSS, VSS, E. Coli.	Total Phosphorus, Unionized Ammonia, Nitrate, Nitrite, TSS, VSS, E. Coli.
	Years	k Water   2014-2018 for an and n	2014-2019	2015	2016/2017	2017/2018
	Title	HCA Chedoke Creek Water is Quality Monitoring Program 2018 – Combined Services for Hamilton Harbour Remedial Action Plan and the City of Hamilton	Chedoke Creek All Data – 2014 to 2019.xlsx	2015 Tributary Monitoring 2015 for Cootes Paradise.	2016/2017 Tributary Monitoring for Cootes Paradise	2017/2018 Tributary Monitoring for Cootes Paradise
	Subject	Water Quality	Water quality	Water quality	Water quality	Water quality
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22	НСА	12	Information request	Email re: Chedoke Creek-   2 Additional Information/Data	2018		Cootes Paradise, Chedoke Creek	No dredging projects, HCA permits on file, bedload movement, no previous reports on species presence, no surveys or data for current water depth, hydrology, hydraulics, flood plain mapping	Jonathan Bastien. 2018. Email re: Chedoke Creek-Additional Information/Data. September 14, 2018.	
23	НСА	27.1	Fish	RED1009-A1 2019 data for SLR.xlsx		Fish	RED1009-A1	Fish species captured on July 31, 2019	Excel spreadsheet	
24	Hamilton Harbour Remedial Action Plan (HHRAP)	31	Water Quality	Cootes Paradise Marsh: F Water Quality Review and Phosphorus Analysis.	Prior to 2012	Phosphorus concentrations	Cootes Paradise, Chedoke Creek, Spencer Creek, Grindstone Marsh		Cootes Paradise Phosphorus Budget and Model Sub-Committee. 2012. Cootes Paradise Marsh: Water Quality Review and Phosphorus Analysis. March 2012. Cootes Paradise Water Quality Group Hamilton Harbour Remedial Action Plan.	
25	ННКАР	55	Stormwater Management	Urban Runoff Hamilton Report and Recommendations	2016		Cootes Paradise	This report addresses findings related solely to urban stormwater management.	Urban Runoff Hamilton Task Group. 2016. Urban Runoff Hamilton Report and Recommendations.	
26	ННКАР	28	Monitoring delisting objectives	2016 Monitoring Catalogue	2016		Hamilton Harbour	This monitoring catalogue has been developed to compile metadata information on monitoring activities occurring throughout Hamilton Harbour in one report. It will help broaden our understanding of what monitoring is happening and identify potential gaps. It has been designed to be updated on an annual basis.	Hamilton Harbour Remedial Action Plan. 2016. Hamilton Harbour Remedial Action Plan Monitoring Catalogue 2016 Season. December 2016	
27	ННКАР	47	Monitoring delisting objectives	Hamilton Harbour Remedial Action Plan Monitoring Catalogue 2017 Season	2017		Hamilton Harbour	This monitoring catalogue has been developed to compile metadata information on monitoring activities occurring throughout Hamilton Harbour in one report. It will help broaden our understanding of what monitoring is happening and identify potential gaps. It has been designed to be updated on an annual basis.	Hamilton Harbour Remedial Action Plan. 2018. Hamilton Harbour Remedial Action Plan Monitoring Catalogue 2017 Season. February 2018.	

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ННКАР		46	Water quality	Contaminant Loadings and 2018 Concentrations to Hamilton Harbour: 2008- 2016 Update	2018	Contaminants – TP, TSS, Ammonia, Nitrate, TKN, Fe, Pb, Zn, Phenolics, PAHs	Cootes Paradise	The purpose of this report is to show the relative contributions of contaminants from known sources. It is not a trend analysis. The report does concentration and loading results.	Hamilton Harbour Remedial Action Plan. 2018. Contaminant Loadings and Concentrations to Hamilton Harbour: 2008-2016 Update. April 2018.	
Kim et al Aquatic E Health &	Kim et al. 2016 in Aquatic Ecosystem Health & Management	33	Water Quality	Modelling phosphorus dynamics in Cootes Paradise marsh: Uncertainty assessment and implications for eutrophication management.	2016	Phosphorus modelling, nutrient recycling, sediment dynamics, Areas of Concern	Cootes Paradise	Model sensitivity analysis identified the sedimentation of particulate material and diffusive reflux from sediments as two critical processes to characterize the phosphorus cycle in the wetland. Based on the current parameter specification, our model postulates that the sediments still act as a net sink, whereas macrophyte processes respiration rates, nutrient uptake from interstitial water) appear to play a minor role. We conclude by discussing the various sources of uncertainty and additional remedial actions required in Cootes Paradise marsh to realize a shift from the current turbid-phytoplankton dominated state to its former clearmacrophyte dominated state.	Kim, D., T. Peller, Z. Gozum, T. Theÿsmeÿer, T. Long, D. boyd, S. Watson, Y.R. Rao, and G. B. Arhonditsis. 2016. Modelling phosphorus dynamics in Cootes Paradise marsh: Uncertainty assessment and implications for eutrophication management. Aquatic Ecosystem Health & Management 19(4):368-381.	
Matrix		6	Hydrology	Spencer Creek MIKE-11 Model Expansion and Cootes Paradise Water Level Analysis	2014	Water level, flood level	Cootes Paradise	Subsequent to the completion of the Spencer Creek MIKE-11 model, HCA was interested in understanding how water levels within Cootes Paradise might affect flood levels within the Town of Dundas.	Bellamy, S. 2014. Memorandum Re: Spencer Creek MIKE-11 Model Expansion and Cootes Paradise Water Level Analysis. To J. Bastien, Hamilton Conservation Authority. December 29, 2014.	
McMast	McMaster University	57	Sediment	Potential Contribution of Nutrients and Polycyclic Aromatic Hydrocarbons from the Creeks of Cootes Paradise Marsh	1996	PAH, nutrients	Spencer Creek Chedoke Creek Borer Creek	During the summer of 1994, we compared the physical and nutrient characteristics of the three main tributaries of Cootes Paradise: Spencer, Chedoke and Borer's creeks.	Chow-Fraser, P., B. Crosbie, D. Bryant, and B. McCarry. 1996. Potential Contribution of Nutrients and Polycyclic Aromatic Hydrocarbons from the Creeks of Cootes Paradise Marsh. Water Qual. Res. J. Canada, 1996, Volume 31, No. 3, 485-503.	

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Row	w Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
32	Control Agency	62	Sediment	Guidance for The Use and Application of Sediment Quality Targets for The Protection of Sediment- Dwelling Organisms in Minnesota	2007	Sediment quality	Minnesota	Specific indicators (e.g., sediment chemistry) can be used to determine if the designated uses of the aquatic ecosystem are being protected, and where necessary, restored. A suite of sediment quality indicators was developed for the St. Louis River Area of Concern (AOC) in northeastem Minnesota	Crane, J.L. and S. Hennes. 2007. Guidance for The Use and Application of Sediment Quality Targets for the Protection of Sediment-Dwelling Organisms in Minnesota. February 2007.
33	3 MTE	80.4	Leachate	Final 2012 Annual Leachate Collection System Performance Report	2012	Leachate	Chedoke Creek, Cootes Paradise	MTE Consultants Inc. (MTE) was retained by the City of Hamilton (the City) to complete the 2012 Annual Performance Report for the leachate collection system (LCS) and leachate and surface water monitoring program at Kay Drage Park (former West Hamilton Landfill).	MTE More Than Engineering. 2013. Kay Drage Park (Former West Hamilton Landfill). Final 2012 Annual Leachate Collection System Performance Report. Prepared for City of Hamilton. March 25, 2013.
34	4 MTE	80.2	Leachate	Final 2013 Annual Leachate Collection System Performance Report	2013	Leachate	Chedoke Creek, Cootes Paradise	MTE Consultants Inc. (MTE) was retained by the City of Hamilton (the City) to complete the 2013 Annual Performance Report for the leachate collection system (LCS) and leachate and surface water monitoring program at Kay Drage Park (former West Hamilton Landfill).	MTE More Than Engineering. 2014. Kay Drage Park (Former West Hamilton Landfill), Final 2013 Annual Leachate Collection System Performance Report. Prepared for City of Hamilton. March 25, 2014.
35	Ontario Ministry of the Environment	20	Water quality, sediment, invertebrate biology	Cootes Paradise Study 1986	1986	Phosphorus, nitrogen, chlorophyll, TSS, BOD, metals, TKN, nutrients & productivity, sediment chemistry, invertebrate biology	Cootes Paradise	By 1979 and 1980 improvements in water quality in Cootes Paradise following expansion of the Dundas Water Pollution Control Plant when compared to 1975. Noteworthy improvement was in TP.	McLarty, A.W. and A. G. Thachuk. 1986. Cootes Paradise Study 1986. Ministry of the Environment.
36	6 Ontario Ministry of the Environment & Climate Change (OMOECC)	63	Water Quality	An Empirically-Based Regression Method for Estimating TP Loads to Hamilton Harbour from the Four Tributary Inputs	2015	Phosphorus (TP), Discharge data, nutrient	Desjardins Canal, Grindstone Creek, Indian Creek, Red Hill Creek	Presentation Results published in Long, T. 2015. An Empirically-Based Long, T., C. Wellen, G. Arhonditsis, and Long, T., 2015. An Empirically-Based Regression Method for Estimating TP Loads to Hamilton Harbour from the stormwater and snowmelt inputs, land Four Tributary Inputs. Presentation for use and seasonality on nutrient Loading Workshop, January dynamics in the watersheds of Hamilton Harbour, Ontario, Canada.  Journal of Great Lakes Research 40 (2014) 964-979.	Long, T. 2015. An Empirically-Based Regression Method for Estimating TP Loads to Hamilton Harbour from the Four Tributary Inputs. Presentation for Nutrient Loading Workshop, January 20, 2015.

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37	RBG	43.1.13	Aquatic Vegetation Cootes Paradise		ځ	Total phosphorus contamination scale	Cootes Paradise	Two figures, sites for submergent vegetation sites and map of contamination based on level of TP concentrations	Cootes-sedphos - Wild Rice Project 2001 Lakehead.gif
38	RBG	43.1.12	Water quality	Cootes Water Phosphorus Model v5b.STR	ځ	ТР	Cootes Paradise		Cootes Water Phosphorus Model v5b.STR
36	RBG	32	Water Quality Dataset for Cootes Paradise	Excel spreadsheet	1986 – 2017	Ammonia Secchi Chl-a TYS TYN Nitrate (1991 – 1992) TP SRP DO (1993 – Conductivity (1993 - Turbidity (1993 - VSS Org SuspSed (1993 – Iurbidits Sus Sed (1993 – Inorg Sus Sed (1993 – Tot Nitrogen as N (1993 – TN (1993 – TN (1993 – Nitrite (1995 – Nitrite (1995 –	CP 1 CP2 4 & 7 (Spencer Creek) CP5 (West Pond) 5.1 (Delsey Creek) CP 6 (STP Outflow) 8 (Mac Landing) 9 (Mac Landing) 10 (Mac Landing) 12 13 14 15 16 (Mac Landing) 17 CP10 (Westdale Inlet) 17 CP20 (Cootes) CP11 (Fishway) CP1 (Fishway) CP1 (Fishway) CP1 (Fishway)	Water Quality Data Cootes Paradise 1986-2017.xlsx	1986-2017.xlsx
40	RBG	59	Water Quality in Cootes Paradise	20 Year Trends in Water Quality Cootes Paradise and Grindstone Creek Marsh	1991 – 2011	Secchi (water clarity) TP TSS	Delisting Site (CP1) West Pond (CP5) Spencer Creek (CP7) Westdale Inlet (CP16) Chedoke Creek (~CP11)	Report updates the current state of wetland WQ using ongoing monitoring data, highlighting HHRAP and carp exclusion. WQ indicators summarized include water clarity, phosphorus, suspended sediment, E. coli	Reddick D. & Theÿsmeÿer T. 2012. 20 Year Trends in Water Quality, Cootes Paradise and Grindstone Marsh. Royal Botanical Gardens. Burlington, Ontario.
41	RBG	43.1.6	Fish, Water quality Fishway Data.xlsx		1996-2003 2004-2019	Species captured Water quality at fishway Incidental Fish (small)	Cootes Paradise, fishway	Fish species captured and water quality at fishway.	Fishway Data.xlsx
42	RBG	4	Fish	Table 1.3 Annual Comparison of Large Fish Caught Entering the Marsh at Cootes Paradise Fishway	1996-2015	Large Fish	Cootes Paradise	Table 1.3 Annual Comparison of Large Fish Caught Entering the Marsh at Cootes Paradise Fishway	RBG. 2016. Project Paradise Season Summary. Carp Barriers.

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Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
43	RBG	43	Water Quality & Fisheries	Cootes Paradise Nature Sanctuary Lower Chedoke Creek Area Water Quality & Fisheries	2001	Ammonia/Nitrates/Ni trites, total Phosphorus, E. coli, TSS	Ammonia/Nitrates/Ni Lower Chedoke Creek, trites, total Cootes Paradise Phosphorus, E. coli, TSS		RBG. 2001. Cootes Paradise Nature Sanctuary Lower Chedoke Creek Area Water Quality & Fisheries.
44	RBG	43.1.1	Water quality	WQ Index Monitoring 2003-2018.xlsx	2003-2019	Water quality	Cootes Paradise	Data, Figures - Water quality sampling locations E. coli sample locations 2018 E. colie sample locations 2019 Index Fish Community Monitoring Sample Locations Submerged Aquatic Vegetation Monitoring site map	WQ Index Monitoring 2003-2018.xlsx
8	RBG (JEMSys Software Systems Inc.)	43.1.15	Water quality	Towards A Phosphorus Budget and Model for Cootes Paradise	2005	Phosphorus	Cootes Paradise	The work described here is an attempt JEMSys Software Systems Inc. 2005. to apply to Cootes Paradise the phosphorus budget and modelling work reported by Minns et al. (2000a) and Minns et al. (2000b) for the Bay of Quinte. Its scope is almost entirely limited to implementing the ideas laid out in those publications. It is supported almost entirely by the datacollection effort of Sinser (2004) and the hydrology and phosphorus the hydrology and phosphorus management in Cootes Paradise beyond static annual loading, bringing together all available information to produce a budget accounting for flushing and seasonal variation.	JEMSys Software Systems Inc. 2005. Towards A Phosphorus Budget and Model for Cootes Paradise

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RBG 22 Sediment Document Subject Title Years Parameters Sites/Stations RBG 22 Sediment Double Codes Paradise Phosphorus, heavy Codes Paradise Personnel Codes Paradise Phosphorus, heavy Codes Paradise Codes Paradise Phosphorus, heavy Codes Paradise Personnel Codes Paradise Phosphorus, heavy Codes Paradise Codes Paradise Phosphorus, heavy Codes Paradise Phosphorus, heavy Codes Paradise Codes Paradise Phosphorus, heavy Codes Par		Reference	e Bowman, J. E., and T. Theÿsmeÿer. 20 2006 Cootes Paradise Sediment Qua Assessment. RBG Internal Report No 2007-02. Royal Botanical Gardens. Hamilton, Ontario.	
RBG 22 Sediment Subject Title RBG 22 Sediment Unternal Report: 2006 Cootes Parad Sediment Quality Assessment Assessment Characterization of Main Tributaries of Garden's Property Spencer Greek Borer's Greek Grindstone Greek Grindstone Greek Grindstone Greek	brary	Data Summary	In 2006 a thorough examination of the contamination in the sediment in the Cootes Paradise Marsh areas was undertaken by RBG. The purpose of the report was to determine the amount of contamination in the sediments of the Cootes Paradise Marsh system. The results were intended to provide groundwork for assessing remedial options and establish baseline conditions against which to gauge future trends.	Recommendation # 5 - 1996-2002 Contaminants Loading Report (2004) Water quality samples were taken from these four creeks on biweekly basis over the course of a one year period (May 2008 – May 2009). Sampling focused on basic water quality characteristics (pH, dissolved oxygen and temperature) and various identified parameters limiting water quality recovery in Cootes Paradise Marsh and Hamilton Harbour (introgen, phosphorus and suspended sediment).  The objective of this study was to provide a more comprehensive characterization of the individual tributaries and their influence on the water quality of Cootes Paradise and Grindstone Creek marshes, and Hamilton Harbour.
RBG 22 Sediment Internal Report:  RBG 22 Sediment Internal Report: 2006 Cootes Parad Sediment Quality Assessment Assessment Characterization of Main Tributaries of Garden's Property Spencer Greek Chedoke Creek Borer's Creek Grindstone Creek Grindstone Creek Grindstone Creek Grindstone Creek	aved in the Document Lin	Sites/Stations	Cootes Paradise	
RBG 22 Sediment Subject Title RBG 22 Sediment Unternal Report: 2006 Cootes Parad Sediment Quality Assessment Assessment Characterization of Main Tributaries of Garden's Property Spencer Greek Borer's Greek Grindstone Greek Grindstone Greek Grindstone Greek	es keviewed and se	Parameters	Phosphorus, heavy metals, nutrients	TP, water clarity, TSS Ammonia/Nitrate/Ni rite, TKN
RBG 22 Sediment Subject Title RBG 22 Sediment Unternal Report: 2006 Cootes Parad Sediment Quality Assessment Assessment Characterization of Main Tributaries of Garden's Property Spencer Greek Borer's Greek Grindstone Greek Grindstone Greek Grindstone Greek	ormation sourc	Years	2006	
RBG 22 Sedim RBG 43.1.16 Water	Appendix A: IIIIC	Title	Internal Report: 2006 Cootes Paradise Sediment Quality Assessment	Water Quality Characterization of the Main Tributaries of the Garden's Property Spencer Creek Chedoke Creek Borer's Creek Grindstone Creek 2008/09
RBG 2			Sediment	Water quality
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Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
48	RBG	34 35 36 37 39 40 42 43.1.17	Water Quality in Cootes Paradise	Water Quality Monitoring Season Summary	2011 2012 2013 2014 2015 2015 2016 2017 2018	Secchi (cm) DO (mg/l) Tuemp (°C) Turbidity (NTU) Chl a (µg/l) TP (mg/l) Nitrate-N (mg/l) Nitrite- N (mg/l) Unionized Ammonia (m/l) E. coli (#100 ml)	CP1 (2011-2018) CP2 (2011-2018) CP5 (2011-2018) CP6 (2011-2013) CP7 (2011-2013) CP10 (2011-2013) CP11 (2011-2012) CP11 (2011-2012) CP12 (2018) CP15 (2011) CP16 (2011-2018) CP18 (2011-2018) CP18 (2011-2018)	Each summary report identifies various lessons realized during each season. Summary of results for Cootes Paradise and long-term trends at delisting stations Summary of WQ in Cootes Paradise at each station with HHRAP targets and WQ guidelines CSO events from monitored locations affecting Cootes Paradise during sample event (each year).	43.1.17 - Bowman, J.E. 2019. Water Quality Season Summary 2018. RBG Report No. 2019-11. Royal Botanical Gardens. Hamilton, Ontario.
49	RBG	45	Water Quality	Water Quality Trends in Cootes Paradise Marsh and Grindstone Creek adapted from the 2012 report by Dave Reddick and Tys Theÿsmeÿer	2012	Precipitation, major infrastructure upgrades, water clarity, TP, TSS, E. Coli	Cootes Paradise, Grindstone Creek	Appears to be questions for a workshop or class.	Water Quality Trends in Cootes Paradise Marsh and Grindstone Creek adapted from the 2012 report by Dave Reddick and Tys Theÿsmeÿer
20	RBG	11 13 13	Natural Environment	Project Paradise Season Summary	2013 2015 2016	WQ (water clarity, DO, Temp, turbidity, E.coli, TP, TS, nitrate-N, nitrite-N, unionized ammonia) Submergent aquatic vegetation (SAV) Phytoplankton Chl a e Fish Water level Invasive Species management Amphibian monitoring Aquatic mammal monitoring Fall migratory bird Benthic (not in 2016)	Cootes Paradise, Spencer Creek Borer's Creek	The Project Paradise seasonal report summarizes the results obtained from all projects undertaken by the aquatic ecology staff of Royal Botanical Gardens' Natural Lands Department during the 2013 season. This report is divided into six sections: carp barriers, water quality, plants, fish, marsh monitoring program and other wildlife. Each section is further divided into Cootes Paradise Marsh and Hendrie Valley Sanctuary based upon the watershed systems.  Lists stormwater events for each season of sampling.	

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	Reference	Bowman, J.E., and T. Theÿsmeÿer. 2014. 2013 RBG Marsh Sediment Quality Assessment RBG Report No. 2014-14. Royal Botanical Gardens. Hamilton, Ontario.	Theÿsmeÿer T., J. Bowman, A. Court & S. Richer. 2016. Wetlands Conservation Plan 2016-2021. Natural Lands: Department. Internal Report No. 2016-1. Royal Botanical Gardens. Hamilton, Ontario.	20180704_Chedoke-Scum closeup near 403 Box culvert.jpg	20180704_Chedoke water just upstream of Cootes Paradise Marsh.jpg
	Data Summary	In 2013 marsh sediment samples were collected as part of the sediment quality monitoring program at RBG. The purposed of this report was to update the sediment status in the Cootes Paradise and Grindstone Creek marsh areas for heavy metal and nutrient contamination, with focus on the west Desjardins Canal and other sites associated with sewage contamination Comparison with results from the 2006 assessment and earlier will provide insight into trends in recovery and highlight potential restoration needs.	This restoration plan summarizes items including the role of RBG in the HHRAP, the strategy looking forward independent of the HHRAP, resources required, partnerships, research opportunities, specific projects and locations. The plan is in parallel with the 2021 expected completion of the Hamilton Harbour Remedial Action Plan (HHRAP), bringing the wetlands to a recovered state.	Photographs & figures 43.1.13	Photographs
	Sites/Stations	Cootes Paradise	Cootes Paradise	Chedoke Creek	Chedoke Creek
	Parameters	Metals, nutrients	Restoration Plan, Monitoring	photographs	photographs
	Years	2013	2016-2021	2018	2018
	Title	2013 RBG Marsh Sediment Quality Assessment	Wetlands Conservation Plan 2016-2021 Includes RBG contribution to the HHRAP as it pertains to the restoration of the wetlands	20180704_Chedoke-Scum 2018 closeup near 403 Box culvert.jpg	20180704_Chedoke water 2018 just upstream of Cootes Paradise Marsh.jpg
	Subject	Sediment	Natural Environment	Water quality	Water quality
	Document #	21	7.	43.1.7 43.1.9 43.1.10	43.1.4
	Custodian	RBG	RBG	RBG	RBG
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Reference	Bowman, J.E. and H. Wilton. 2018. Benthic Invertebrate Assessment of RBG Wetlands 2014 and 2015. RBG Report No. 2018-9. Royal Botanical Gardens. Hamilton, Ontario.	20180421_Fishway outflow algae accumulation.jpg	Submerged Aquatic Vegetation Monitoring.xlsx		Vander Hout, J., D. Brouwer, and E. Berkelaar. 2015. Water Quality Monitoring of the Chedoke Creek Subwatershed, Subwatersheds of Cootes Paradise, and the Red Hill Watershed. Redeemer University College. May-August 2015.
Data Summary	Benthic Invertebrate sampling was completed in Cootes Paradise and Grindstone Marsh during 2014 and 2015.  Overall Cootes Paradise had 18 orders found, ranging from sites with 1 order, to samples with several individual to a high of 2,650 Oligochaeta. In Grindstone Marsh 14 orders were found ranging from samples with 1 order and a few individuals to a high of 759 in Diptera (data from 2014 and 2015 combined).	photograph	July 2019 data		At each sample site, temperature, pH, electrical conductivity, and dissolved oxygen were recorded. Estimates of creek flow rate were determined as well, to allow estimates of total contaminant load. Additionally, three water samples were taken and analyzed for nitrate, phosphate and chloride concentrations in the lab. Single determinations of biological oxygen demand, E. coli and total choliforms were made.
Sites/Stations	Gordes Paradise, Grindstone marsh	Cootes Paradise, fishway	Hendrie Valley Sanctuary, Cootes Paradise		Cootes Paradise, Chedoke Creek Ancaster Creek Spencer Creek Red Hill Creek
Parameters	Benthic invertebrates Cootes Paradise, Grindstone mars	Photographs	Aquatic vegetation species		Flow, nitrate, phosphate, chloride, BOD, E. coli, total coliforms, estimate of contaminant load
Years	2018	2018	2019		2015
Title	Benthic Invertebrate Assessment of RBG Wetlands 2014 and 2015	20180421_Fishway outflow algae accumulation.jpg	Submerged Aquatic Vegetation Monitoring.xlsx		Water Quality Monitoring of the Chedoke Creek Subwatershed, Subwatersheds of Cootes Paradise, and the Red Hill Watershed
Subject	Benthic Invertebrates	Water quality	Aquatic Vegetation		Water quality
Document #	m	43.1.3	43.1.14	43.1.11	44
Custodian	RBG	RBG	RBG	RBG – Duplicate #31	Redeemer College
Row	55	99	57	89	65

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	Reference	Water Quality Monitoring of the Chedoke Creek Watershed Fall 2016 Analytical Chemistry Glass, Redeemer University College, Ancaster, Ontario	t Chedoke Creek 2019 Raw Data and Indices Results.xls Entomogen. 2019. Statistical Analysis Benthic ID Contract 2019. For SLR Consulting (Canada) Ltd. Chedoke Creek 2019 Figures 1-3.pptx Table 3 pg. 7 in report.xlsx	Ecotoxicology Group Bureau Veritas Laboratories. 2019. Freshwater Sediment Toxicity Testing Using Chironomus Dilutus And Hyalella Azteca. Prepared for SLR Consulting, Ltd. November 2019.
ibrary	Data Summary	As part of a project-based learning approach, the Analytical Chemistry class (CHE242) at Redeemer University College has been carrying out water quality monitoring at several sites in the Chedoke Creek watershed. The results of the Fall 2016 project are presented here and compared to previous work since 2012. Our data show that while most sampling sites have levels of nutrients, organic matter, and bacteria above desirable levels, there are indications of improving water quality at several sites. This is an encouraging result as the City of Hamilton has been remediating a number of cross connections in these catchment areas.	Entomogen Inc. was contracted by SLR Consulting (Canada) Ltd. to analyze benthic identification data. The objectives of this analysis are to (1) calculate the species richness, Shannon diversity, and Simpson diversity, (2) calculate the similarity between all possible pairwise combinations of sites, and (3) identify whether data from the sediment sampling have a strong influence on the explained variance in the data set.	Freshwater sediment samples were collected between October 1st, 2019 and October 2nd, 2019 for testing. The samples arrived at Bureau Veritas Laboratories, in good condition, on October 3rd, 2019.  The following freshwater sediment toxicity tests were conducted on the samples; a 10 day survival and growth test with the freshwater midge, Chironomus dilutus, and a 14 day survival and growth test with the freshwater amphipod, Hyalella azteca.
Appendix A: Information Sources Reviewed and Saved in the Document Library	Sites/Stations	Chedoke Creek	Cootes Paradise	رد
rces Reviewed and Sav	Parameters	Nitrate, phosphate, chloride, BOD, E. coli	Benthic invertebrates Cootes Paradise	Sediment
mation Sour	Years	2016	2019	2019
Appendix A: Infori	Title	Water Quality Monitoring of the Chedoke Creek Watershed Fall 2016 Analytical Chemistry Class, Redeemer University College, Ancaster, Ontario	Statistical Analysis Benthic 2019 ID Contract 2019	Freshwater Sediment Toxicity Testing Using Chironomus Dilutus And Hyalella Azteca
	Subject	Water quality	Benthic invertebrates	Sediment
	Document #	27	2	19
	Custodian	Redeemer College	SLR	SLR
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Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
63	SLR	30	Water quality	Sample Collection	2019	BOD, TOC, Metals, TSS, Anions, Phosphate, Ammonia, TKN, E. coli	Chedoke Creek	Certificate of Analysis for samples collection 2019-09-30	209.40666_Certificate of Analysis - City of Hamilton.PDF 209.40666_COC_WO 330748_Chedoke Creek SW,pdf
64	SLR	20	Water quality, sediment quality	SLR ESdat outputs	2019, 2020		Cootes Paradise, Grindstone Creek		191212_PW Chemistry_draft.xlsm 191212_SED 0.15mbg+ Chemistry_draft.xlsm 191212_SED 0-0.15mbg Chemistry_draft.xlsm 191212_SW Chemistry_draft.xlsm 191212_SW Chemistry_draft.xlsm
92	SLR	70	Aquatic Ecological Risk Assessment	Ecological Risk Assessment 2019-2020	2019-2020		Chedoke Creek	SLR Consulting (Canada) Ltd. (SLR) was SLR Consulting (Canada) Ltd. 2020. retained by the City of Hamilton to complete an Aquatic Ecological Risk Assessment. Chedo Assessment (ERA) for the lower section of Chedoke Creek, parallel to Highway 403 between Glen Road and Princess Point.	SLR Consulting (Canada) Ltd. 2020. Ecological Risk Assessment. Chedoke Creek, Hamilton, Ontario. February 2020. SLR Project No.: 209.40666.00000.
99	SLR	71	Aquatic Ecological Risk Assessment – Appendices	ERA – Appendices	2019-2020		Chedoke Creek	SLR Consulting (Canada) Ltd. (SLR) was SLR Consulting (Canada) Ltd. 2020. retained by the City of Hamilton to complete an Aquatic Ecological Risk Assessment (ERA) for the lower section of Chedoke Creek, parallel to Highway 403 between Glen Road and Princess Point.	SLR Consulting (Canada) Ltd. 2020. Ecological Risk Assessment. Chedoke Creek, Hamilton, Ontario. February 2020. SLR Project No.: 209.40666.00000.
67	SNC Lavalin	78	Leachate	2018 Landfill Leachate Collection System Performance Report				An Amended Environmental Compliance Approval (ECA) Number 0881-A9SQSD was issued May 16, 2016 to include an extension to the leachate collection system, which was completed in 2017. The ECA specifies a monitoring program for surface water and collected leachate.	SNC Lavalin, 2020. Kay Drage Park, Closed West Hamilton Landfill. 2018 Landfill leachate Collection system Performance Report. March 21, 2019.

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	Reference		SNC Lavalin. ? City of Hamilton B-Line Light Rapid Transit, Draft Environmental Project Report. Appendix B.1 Natural Heritage Features. Surface Water and Aquatic Ecosystems.	SNC Lavalin. 2014. Re: Hydrogeological Review of Design for Expansion of Leachate Collection System at the Closed West Hamilton Landfill. To: Mr. Alan McKee, City of Hamilton. May 26, 2014.
	Data Summary	TP – above PWQO of 0.01 mg/L from 2002 – 2017, max of 0.634 mg/L in 2014/10/08, min of 0.098 in 2003/05/26. Between 2002 & 2013 TP ranged between 0.098 – 0.448 mg/L. In 2014/04/16 TP = 0.583. Lowest value between 2014 & 2017/10/03 was 0.305.  Ammonia (un-ionized) as NH3 – above PWQO of 20 µg/L in 2009 – 2012 & 2014 – 2017.  Total metals above POQO = Boron, Chromium (total), Copper, Iron, Zinc	The field investigation study area for the watercourse crossings included the proposed B-Line corridor, plus 50 m upstream and 200 m downstream of the assumed right-of-way of the corridor.	The Environment & Water business unit of SNC-Lavalin) was retained by the City of Hamilton (City) to provide a 3rd-party review of detailed design documents prepared and submitted by Urban & Environmental Management Inc. (UEM). UEM prepared and submitted these documents to the City under separate contract to identify potential deficiencies or optimizations that may be addressed prior to construction of an expanded leachate collection system at the closed West Hamilton Landfill.
-	Sites/Stations	WQ site at confluence of Chedoke Creek & Cootes Paradise	Chedoke Creek, Red Hill Creek,	Chedoke Creek
	Parameters	WQ – conventional parameters including TP, Nitrate-N, NH3 Total metals	Water quality, aquatic Chedoke Creek, ecosystems Red Hill Creek,	hydrogeology
	Years	2002-2017	2011	2014
	Title	Kay Drage Park, Closed West Hamilton Landfill	City of Hamilton B-Line Light Rapid Transit, Draft Environmental Project Report. Appendix B.1 Natural Heritage Features. Surface Water and Aquatic Ecosystems	Review of Design for Expansion of Leachate Collection System at the Closed West Hamilton Landfill
	Subject	Water Quality	Water quality, aquatic ecosystems Terrestrial ecosystems	Leachate
	Document #	41	53	- ∞
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Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
71	SNC Lavalin	79	Leachate	DRAFT - 2019 Landfill Leachate Collection System Performance and Groundwater Monitoring and Sampling Report	2019	Hydrogeology Leachate collection Surface water quality Groundwater water quality	Chedoke Creek	An Amended Environmental  Compliance Approval (ECA) Number  0881-495QSD was issued May 16, 2016 to include an extension to the leachate collection system, which was prepared for the Completed in 2017. The ECA specifies a – March 16, 2020 monitoring program for the leachate Groundwater Mon system and the receiving surface water body. This report has been prepared to fulfill Condition 7 (4)	SNC Lavalin. 2020. Kay Drage Park, Closed West Hamilton Landfill. 2019 Landfill Leachate Collection System Performance and Sampling Report. Prepared for the City of Hamilton. Draft — March 16, 2020. Groundwater Monitoring and Sampling Report
72	Theÿsmeÿer	75	Fish	Seasonal Fish Community Use of the Great Lakes Coastal Marsh Cootes Paradise as Reproductive Habitat	2000	Fish	Cootes Paradise	Master of Science thesis	Theysmeyer, T. 2020 Seasonal Fish Community use of the Great Lakes Coastal Marsh Cootes Paradis as Reproductive Habitat. Master of Science thesis, McMaster University.
73	UEM	80:10	Leachate	Annual Performance Report (2008)	2008	Leachate	Chedoke Creek	The purpose of this report is to fulfill reporting requirements defined in Certificate of Approval Municipal and Private Sewage Works Number 2893-66CTKT (CofA) dated December 16, 2004 (see Appendix A). This CofA has since been revoked and the system described replaced with a new leachate collection system and bank stabilization works. The data herein was collected under the revoked CofA. The period covered in this report is from May 2005 to December 2007.	Urban & Environmental Management Inc. 2008. Kay Drage Park (formerly West Hamilton Landfill) Annual Performance Report. October 2008.
74	UEM	80.3	Leachate	Annual Performance Report (2008-2009)	2008-2009	Leachate	Chedoke Creek	A new leachate collection system was order and early form constructed during late 2007 and early inc. 2010. Kay Drage Park (form 2008 and a new Certificate of Approval West Hamilton Landfill) Annual (CofA Number 8445-744ND8 dated berformance Report (2005-200 July 6, 2007 in Appendix A) specifies an updated monitoring program for surface water and collected leachate.	Urban & Environmental Management Inc. 2010. Kay Drage Park (formerly West Hamilton Landfill) Annual Performance Report (2005-2007).
75	UEM	80.1	Groundwater	Kay Drage Park (formerly West Hamilton Landfill). Groundwater Monitoring Report for the period 2009-2015	2009-2015	Groundwater	Chedoke Creek	This report includes a review groundwater quality and elevation data.	Urban & Erwironmental Management Inc. 2016. Kay Drage Park (formerly West Hamilton Landfill). Groundwater Monitoring Report for the period 2009- 2015, 2015 Annual Performance Report

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=	Reference	Urban & Environmental Management inc. 2011. Kay Drage Park (formerly I West Hamilton Landfill) Annual Performance Report (2010).	Gall, B. 2012. Re: Closed West Hamilton Landfill Leachate Quantity Assessment. Memorandum. October 17, 2012.	Request for Review, Chedoke Creek Bank Stabilization Works and Leachate Collection System Improvements Collection System Improvements Collection System Improvements Project, Hamilton, Ontario. Prepared for Fisheries and Oceans Canada.	Urban & Environmental Management Inc. 2015. Kay Drage Park (formerly I West Hamilton Landfill) Annual Performance Report (2014).	Urban & Environmental Management Inc. 2016. Kay Drage Park (formerly I West Hamilton Landfill) Annual Performance Report (2015).
, and	Data Summary	A new leachate collection system was onstructed during late 2007 and early one constructed during late 2007 and early of 2011. Kay Drage Park (formerly 2008 and a new Certificate of Approval West Hamilton Landfill) Annual (CofA Number 6461-7BYQWA dated Performance Report (2010).  February 19, 2008) specifies an updated monitoring program for surface water and collected leachate.	UEM has been asked to provide analyses of issues related to leachate collection system operations at the closed West Hamilton Landfill.	Request for Review, Chedoke Greek Bank Stabilization Works and Leachate Collection System Improvements	A new leachate collection system was onstructed during late 2007 and early lnc. 2015. Kay Drage Park (formerly 2008 and a new Certificate of Approval (CofA Number 6461-7BYQWA dated (CofA Number 6461-7BYQWA dated Performance Report (2014).  February 19, 2008) specifies an updated monitoring program for surface water and collected leachate	A new leachate collection system was constructed during late 2007 and early lnc. 2016. Kay Drage Park (formerly 2008 and a new Certificate of Approval (CofA Number 6461-7BYQWA dated (CofA Number 6461-7BYQWA dated performance Report (2015).  February 19, 2008) specifies an updated monitoring program for surface water and collected leachate
A: miorination sources according saved in the bocament ribiary	Sites/Stations	Chedoke Creek	Chedoke Creek	Chedoke Creek	Chedoke Creek	Chedoke Creek
500000000000000000000000000000000000000	Parameters	Leachate	Leachate	Leachate	Leachate	Leachate
	Years	2010	2012	2014	2014	2015
and an amount of the	Title	Annual Performance Report (2010)	Closed West Hamilton Landfill Leachate Quantity Assessment	Request for Review, Chedoke Creek Bank Stabilization Works and Leachate Collection System Improvements Project, Hamilton, Ontario	Annual Performance Report (2014)	Annual Performance Report (2015)
	Subject	Leachate	Leachate	Leachate	Leachate	Leachate
	Document #	80.8	80.9	\$	90.6	80.7
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Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
81	University of Toronto (UTSC) & RBG	51	Modelling, Water Quality, phytoplankton, macrophytes	Predicting the likelihood of a desirable ecological regime shift: A case study in Cootes Paradise marsh, Lake Ontario, Ontario, Canada	2020	Phosphorus, nutrient   Cootes Paradise loading,   Phytoplankton,   Phytopl	Cootes Paradise	Mechanistic model used to leverage understanding of the major phosphorus biogeochemical pathways in Cootes Paradise. We also develop a network of statistical models that accommodates the spatial heterogeneity of the prevailing water quality conditions in the marsh.  Nutrient loading reductions dissipates as move from the marsh's western end to the central area due the presence of confounding factors, such as the hydraulic loading from Spencer Creek, internal nutrient loading, wind resuspension, and bioturbation.	Vang, C., D. Kim, J. Bowman, T. Theysmeyer, G. B. Arhonditsis. 2020. Predicting the likelihood of a desirable ecological regime shift: A case study in Cootes Paradise marsh, Lake Ontario, Ontario, Canada. Ecological Indicators 110 (2020) 105794.
82	Urban & Environmental Management Inc. (UEM)	80.5	Leachate	Annual Monitoring Report (2005-2007)	2005-2007	Leachate	Chedoke Creek	This report includes a review of leachate water quality monitoring data, surface water quality, and groundwater quality and elevation data.	Urban & Environmental Management Inc. 2009. Kay Drage Park (formerly West Hamilton Landfill) Annual Monitoring Report (2005-2007).
88	UTSC	74	Eutrophication management	Eutrophication Management In A Great Lakes Wetland: Examination Of The Existence Of Alternative Ecological States.	٠.	Eutrophication management	Cootes Paradise	The present modelling study aims to support the restoration and management of Cootes Paradise marsh, one of the most degraded shallow wetlands in Southern Ontario, in response to exogenous nutrient control.	Kim, D. C. Yang, C. T. Parsons, J. Bowman, T. Theÿsmeÿer, G. B. Arhonditsis. Eutrophication Management In A Great Lakes Wetland: Examination Of The Existence Of Alternative Ecological States. Ecosphere.
84	UTSC	52	Water quality	Evaluation of stormwater and snowmelt inputs, land use and seasonality on nutrient dynamics in the watersheds of Hamilton Harbour, Ontario, Canada	2014		Hamilton Harbour	Evaluation of stormwater, snowmelt, land use and seasonality on nutrient dynamics	Long, T., C. Wellen, G. Arhonditsis, D. Boyd. 2014. Evaluation of stormwater and snowmelt inputs, land use and seasonality on nutrient dynamics in the watersheds of Hamilton Harbour, Ontario, Canada. Journal of Great Lakes Research. In press. 16 pp.
88	UTSC	61	Water quality	Modelling phosphorus dynamics in Cootes Paradise marsh: Uncertainty assessment and implications for eutrophication management	2016	Phosphorus, nutrient recycling, sediment dynamics	Cootes Paradise	Modelling phosphorus dynamics in Cootes Paradise marsh: Uncertainty assessment and implications for eutrophication management	Kim, D., T. Peller, Z. Gozum, T. Theÿsmeÿer, T. Long, D. Boyd, S. Watson, Y.R. Rao, and G. B. Arhonditsis. 2016. Aquatic Ecosystem Health & Management, 19(4):368–381.

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Row	Custodian	Document #	Subject	Title	Years	Parameters	Sites/Stations	Data Summary	Reference
98	UTSC	49	Aquatic vegetation	Development of a mechanistic eutrophication model for wetland management: Sensitivity analysis of the interplay among phytoplankton, macrophytes, and sediment nutrient release.	2018	Aquatic vegetation	Cootes Paradise	In this study, we present a wetland eutrophication model that explicitly accounts for the ecological interplay among phytoplankton, macrophytes, and nutrient release from the sediments.	Kim, D., C. Yang, A. Javed, G. B. Arhonditsis. 2018. Development of a mechanistic eutrophication model for wetland management: Sensitivity analysis of the interplay among phytoplankton, macrophytes, and sediment nutrient release. Ecological informatics 48 (2018) 198-214.
87	UTSC	64	Hydrological cycle	A season-specific, multisite calibration strategy to study the hydrological cycle and the impact of extreme-flow events along an urban-to-agricultural gradient	2019	Hydrological cycle	Cootes Paradise	Present a season-specific, multi-site calibration framework that accommodates the variability in the hydrological responses induced by the agricultural landscape changes during different periods of the year.	Dong, F, A. Neumann, D. Kim, J. Huang, G. B. Arhonditsis. 2019. A season-specific, multi-site calibration strategy to study the hydrological cycle and the impact of extreme-flow events along an urban-to-agricultural gradient. Ecological Informatics 54 (2019) 100993.
88	UTSC	65	Ecological regime shift	Prediction the likelihood of 2020 a desirable ecological regime shift: A case study in Cootes Paradise marsh, Lake Ontario, Ontario, Canada	2020	Ecological regime shift	Cootes Paradise	The overarching goal of the present model study is to offer insights into the restoration and management of Cootes Paradise Marsh, one of the most degraded shallow wetlands in Southern Ontario.	Yang, C., D. Kim, J. Bowman, T. Theysmeyer, G. B. Arhonditsis. 2020. Prediction the likelihood of a desirable ecological regime shift. A case study in Cootes Paradise Marsh, Lake Ontario, Ontario, Canada. Ecological Indicators 110 (2020) 105794.
68	Wood	7	Fish	2018_09_07_Additional_Fi   2001-2018 sheries_Info_RBG	2001-2018	Fish	Chedoke Creek, Cootes Paradise	Fisheries information collected through electrofishing transects (includes map of locations)	Chedoke Creek RBG Fish 2001-2018.xlsx Electofishingmap2008.bmp
06	Wood	25	Water quality	Wood WQ Data	2009-2018	TP, pH, ammonia, DO. Chedoke Creek, TSS and E.coli Cootes Paradise	Chedoke Creek, Cootes Paradise	Water quality data from multiple stations on Chedoke Creek and Cootes Paradise	Water_QualityData_ChedokeCreek_Sta tions.xlsx Water_QualityData_CootesParadise_St ations.xlsx
91	Wood	17	Sediment	COH_Chedoke- MicrobiallnsightsData.zip	2018		Chedoke Creek	Sediment quality data from sites in Chedoke Cr. Analysis completed by Microbial Insights	9)073PI_073PICOC.pdf 073PI-EDD.xls CENSUS-073PI_66044737.pdf
92	Wood	18	Sediment	18. CoH_Chedoke- SGS_SedData.zip	2018		Chedoke Creek	Sediment quality data from sites in Chedoke Cr. Analysis completed by SGS	
93	Wood	1	Benthic Invertebrates	Benthic community data	2018	Benthic invertebrates   Chedoke Creek	Chedoke Creek	Benthic Community data for 7 sites (three replicates each)	Re: Chedoke Creek, ON, EA Invertebrate Identifications 2018

Appendix A to Report PW19008(h) Page 101 of 110

## **APPENDIX B Surface Water Data - Statistical Summary**

Cootes Paradise: Environmental Impact Evaluation City of Hamilton

700 Woodward Avenue, North Hamilton, Ontario SLR Project No.: 209.40666.00001

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Appendix B: Table B1 Surface	Water Statistical Summary

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Γοι	Location			CC5 & CC5a	а							CC3			
			Dissolved	Total	Total						Dissolved	Total	Total		
gezed	Ammonia as	Ammonia as Ammonia (un-ionized)	Oxygen (mg/l)	Phosphorus (mg/l)	Suspended Solids (mg/l)	E Coli (#/100ml)	Nitrite as N	Copper (mg/l)	Ammonia as N	Ammonia (un-ionized)	Oxygen (mg/l)	Phosphorus	Suspended	E Coli	Copper (mg/l)
Constitution of the consti		(2/9)	(2/9)	(=/9)	(mp/e)	(11)	(1/9)	1 /9)	/- /9,)	(a /9) Custon	/	(- /9)	/1/9/	(m) + cc(m)	(-, (9,)
(2002 to January 27, 2014)															
Count (detected)	QV	QN	ND	N N	ND	QN	N	ND	QN	ND	QN	QN		QN	ND
Minimum (detected)	Q		ND	ND	ND	ND	ND	ND	QN		QN			QN	ND
Maximum (detected)	QN		ND	ND	ND	ND	ND	ND	QN		ND		ON	ND	ND
Mean	N		QN	ND	QN	N	QN	ND	QN		QN			QN	ND
Standard Deviation	QN	QN	ND	ND	ND	ND	ND	ND	QN	ND	QN	QN		ND	ND
Median	NC		ND	ND	QN	ND	QN	ND	QN		QN			QV	ND
95th percentile	N		ND	ND	ND	ND	ND	ND	QN		QN			QN	ND
90th percentile	N		ND	ND	ND	ND	QN	ND	ND		QN	ND		ND	ND
75th percentile	QN		ND	ND	ND	ND	ND	ND	QN	ND	ND			QN	ND
During Discharge															
(January 28, 2014 to July 18, 2018)	18)														
Count (detected)	4	4	12	12	11	12	1	ND	4	4	12	12		12	ND
Minimum (detected)	0.087	0 0	9.52	0.128	4	130	0.015	ND	0.086	0	7.8		1 2.9	200	ND
Maximum (detected)	0.195	5 0.002	29.19	0.436	73.1	3600	0.015	ND	0.184	0.001	7.72	0.267		104000	ND
Mean	0.122	0.0008	13.73	0.281	17.0	1549	NC	ND	0.12	0.0008	12.2	0.180	9.3	20872	ND
Standard Deviation	0.044	1 0.0008	5.12	0.111	18.1	1272	NC	ND	0.039	0.0004	5.4	0.056	5 6.3	33131	ND
Median	0.103	3 0.0005	12.86	0.303	12.3	710	NC	ND	0.105	0.001	10.0	0.1575	3.7.6	3900	ND
95th percentile	0.183	3 0.002	21.54	0.424	45.2	3380	NC	ND	0.174		21.0		5 20.3	91350	ND
90th percentile	0.172	0	15.27	0.412	17.3	3160	NC	ND	0.164	0.001	15.6			75090	ND
75th percentile	0.137	7 0.001	14.60	0.370	14.7	2800	NC	ND	0.133	0.001	14.0	0.232	10.5	17475	QN
After Discharge															
(July 19, 2018 onward)	-		,	C	ľ	Ċ		2	2		C			00	2
Count (detected)	ON.		40	3/		39	Ω	ND	ON.		36			36	ND
Minimum (detected)	Q		8.51	0.135		170	0.05	ND	ND		8.0			120	ND
Maximum (detected)	QN		14.58	3.66	c	78000	0.72	ND	ND		13.4		1	610000	ND
Mean	QN	QN	11.04	0.412	113.8	3722	0.266	ND	QN	ND	10.7			29977	ND
Standard Deviation	QN		1.80	0.557	591.4	12546	0.240	ND	ND		1.7		. •	100447	ND
Median	QN		10.78	0.306		006	0.16	ND	QN		10.8			4100	ND
95th percentile	QN		14.26	0.6354		7780	0.634	ND	ND	ND	13.2	0		72500	ND
90th percentile	QN		13.56	0.4878		3720	0.548	ND	QN		13.1			39000	ND
75th percentile	QN	ND	12.42	0.397	16.7	1705	0.00	CZ	CN		17.3	0.363	101	00000	CIZ

Notes: NC = not calculated ND = no data

 $^{1}$  = one value sampled for the location (i.e. sampled on 9/30/2019)

10 0.0027 0.0064 0.0048 0.005 0.005 0.006

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Location			CP11-outlet	utlet						STN1	11	
				Total							Total	Total
	Am	Ammonia	(un-ionized) Dissolved Oxygen	Phosphorus	Total Suspended	E Coli	Copper	Ammonia as N	Ammonia as N Ammonia (un-ionized)	Dissolved	Phosphorus	
Parameter	r (mg/L)	as NH3 (mg/L)	(mg/L)	(mg/L)	Solids (mg/L)	(#/100ml)	(mg/L)	(mg/L)	as NH3 (mg/L)	Oxygen (mg/L)	(mg/L)	Solids (mg/L) (#
Pre-discharge												
(2002 to January 27, 2014) Count (detected)	QV			QN		QN	N	33	26	32	37	18
Minimum (detected)	Ŋ			N		ND	ND	0.01	0.001	2.7	0.098	1.8
Maximum (detected)	QN	ON	ND	ND	QN	QN	ND	0.66	0.014	16.3	0.72	111.0
Mean	ĭ			ND		ND	ND	0.091	0.007	11.7	0.292	21.4
Standard Deviation	Ŋ			ND		QN	ND	0.126	0.004	3.3	0.135	32.9
Median	Ŋ			ND		QN	ND	0.04	900:0	12.5	0.27	4.5
95th percentile	Ŋ			ND		QN	ND	0.298	0.014	16.1	0.537	84.6
90th percentile	N			ND		ND	ND	0.232	0.013	15.8	0.4846	74.4
75th percentile	N			ND		QN	ND	0.1	0.009	13.6	0.331	17.9
During Discharge												
(January 28, 2014 to July 18, 2018)												
Count (detected)	N			3	3	e	ND	21	21	21	21	18
Minimum (detected)	Ä		3.5	1.33		3400000	ND		9000:0	2.7	0.118	1.1
Maximum (detected)	Ä			2.78	58.0	4900000	ND	8.04	0.22	16.3	1.85	75.2
Mean	ĭ		5.1	2.267		4033333	ND	0.899	0.027	11.7	0.393	19.8
Standard Deviation	ĭ			0.663		634210	ND	1.998	0.052	3.3	0.398	23.4
Median	ĭ		4.6	2.69	46.8	3800000	ND	0.05	0.0036	12.5	0.227	8.8
95th percentile	QN	QN		2.771	56.9	4790000	ND	5.53	0.111	16.1	1.06	74.9
90th percentile	ĭ		9.9	2.762	55.8	4680000	ND	1.41	0.0734	15.8	0.717	54.6
75th percentile	ĭ			2.735	52.4	4350000	ND	0.73	0.0225	13.6	0.367	31.7
After Discharge												
(July 19, 2018 onward)												
Count (detected)	N		5	2	2	2	ND	80	80	9	10	6
Minimum (detected)	ĭ			0.187	4.0	460	ND		0.0017	7.1	0.146	3.8
Maximum (detected)	ĭ			0.226	10.2	20000	ND		0.0088	9.4	0.357	24.4
Mean	ĭ			0.2072		6852	ND		0.0042	8.4	0.214	7.6
Standard Deviation	ĭ			0.014		7227	QN	0	0.0026	1.0	0.071	7.8
Median	QN	ON		0.213	6.2	3300	ND		0.0033	8.9	0.187	7.4
95th percentile	ĭ			0.2238		17820	QN		0.0084	9.4	0.3534	24.1
90th percentile	Ä		10.7	0.2216		15640	ND		0.0080	9.4	0.3498	23.8
75th percentile	QN		10.5	0.215	8.4	9100	ND	0.073	0.0055	9.3	0.199	7.8

35 0.002 0.023 0.006 0.004 0.012 0.012

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Copper (mg/L)

E Coli (#/100ml)

Chedoke Creek - Monitoring Stations Immediately downstream of Main/King CSO

Appendix B: Table B1 Surface Water Statistical Summary

21 0.003 0.0359 0.008 0.007 0.017 0.016

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Notes: NC = not calculated ND = no data

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idix B: Table B1 Surface	Water Statistical Summary
Appendix 6:	Water Statist

					Cuedo	ke Creek - Mon	TOTAL STALL	ons downstrea	Chedoke Creek - Monitoring Stations downstream of Main/King CSU	S				
Location	u			STN3							STNSWC2			
		Ammonia (un-		Total	Total				Ammonia (un-					
	Am	ionized) as NH3	Dissolved	Phosphorus	Suspended	E Coli	Copper	38	~	Dissolved Oxygen	Total Phosphorus	Ε.	E Coli	Copper
Parameter	er (mg/L)	(mg/r)	Oxygen (mg/L)	(mg/r)	Solids (mg/L)	(#/ TOOMI)	(mg/r)	N (mg/L)	(mg/r)	(mg/r)	(mg/r)	Solids (mg/L)	(#/T00ml)	(mg/r)
Pre-discharge (2002 to January 27, 2014)														
Count (detected)	29	19	26	29	25	ND	29	17	16	16	15	15	ND	17
Minimum (detected)	0.03	0.001	2.5	0.096	2.8	ND	0.003	0.1	0.001	9.9	0.095	1.8	ND	0.003
Maximum (detected)	0.89	0.031	17.8	0.568	126.0	ND	0.024	0.51	0.042	15.6	0.521	28.4	ND	0.00
Mean	0.182	0.008	10.7	0.274	18.6	ND	0.006	0.232	0.011	10.6	0.285	13.4	ND	0.00
Standard Deviation	0.173		3.4	0.121	24.5	ND	0.004	0.126	0.010	2.6	0.135		ND	0.00
Median	0.13	0.004	11.6	0.255	11.4	ND	0.005	0.17	0.007	10.7	0.260	9.4	ND	0.00
95th percentile	0.486		14.8	0.519	46.4	ND	0.014	0.478	0.027	14.8			ND	0.008
90th percentile	0.336	0.018	13.8	0.448	29.8	ND	0.011	0.428	0.021	13.7	0.489		ND	0.0068
75th percentile	0.19	0.011	12.5	0.317	22.4	ND	0.006	0.28	0.016	12.4	0.389	21.5	ND	0.006
During Discharge														
(January 28, 2014 to July 18, 2018)														
Count (detected)	13	13	13	13	13	QN	13	13	13	13	13	13	ND	13
Minimum (detected)	0.14		5.0	0.146	3.0	ND	0.003	0.26	0.0029	4.5			ND	0.002
Maximum (detected)	6.05		11.3	2.25	171.0	ND	0.027	5.27	0.0967	10.0			ND	0.022
Mean	1.221		7.8	0.574	31.1	ND	0.008	1.691	0.030	7.1	0.471		ND	0.008
Standard Deviation	1.543	0.034	1.8	0.566	44.1	ND	0.007	1.543	0.026	1.7	0.266	20.7	ND	0.006
Median	0.75	0.015	7.7	0.302	14.6	ND	0.005	1.03	0.017	6.7	0.371	19.2	ND	0.006
95th percentile	3.974		10.4	1.656	110.6	ND	0.024	4.712	0.07198	9.6			ND	0.020
90th percentile	2.356		9.7	1.176	64.7	ND	0.019	4.038	0.05492	9.2			ND	0.01
75th percentile	1.25	0.036	9.6	0.548	22.0	ND	0.006	2.5	0.0484	8.6	0.492	42.0	ND	0.01
After Discharge														
(July 19, 2018 onward)														
Count (detected)	2		3	5	4	ND	5	2	5	3	5	4	ND	5
Minimum (detected)	0.01		4.4	0.18	5.8	QN	0.0026	90.0	900.0	3.7	0.12	5.7	ND	0.003
Maximum (detected)	0.94		9.1	0.377	32.4	ND	0.00	1.15	0.018	8.8			ND	0.007
Mean	0.268		7.2	0.2536	15.6	ND	0.004	0.368	0.010	9.9			ND	0.004
Standard Deviation	0.340	0.007	2.1	0.088	10.6	ND	0.002	0.401	0.004	2.2	0.094	. 5.2	ND	0.001
Median	0.14		8.3	0.184	12.1	ND	0.004	0.2	0.009	7.4			ND	0.0034
95th percentile	0.782		0.6	0.3704	30.1	ND	0.008	0.984	0.016	8.7			ND	0.006
90th percentile	0.624		8.9	0.3638	27.8	ND	0.007	0.818	0.015	8.5			ND	0.005
75th percentile	0.15	0.008	8.7	0.344	20.9	CN	0.004	0 32	0.010	8.1	0.327	16.3	QN	0000

Notes: NC = not calculated ND = no data

<sup>1</sup> = one value sampled for the location (i.e. sampled on 9/30/2019)

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Appendix B: Table B1 Surface	Water Statistical Summary

Water Statistical Summary					Ched	oke Creek - M	Ionitoring Station	Chedoke Creek - Monitoring Stations downstream of Main/King CSO	Main/King CSO						
Location				STN4							STN7				
	Ammonia as N	Ammonia (un- ionized) as	Dissolved	Total Phosphorus	Total Phosphorus Total Suspended	E Coli		Ammonia as N	Ammonia (un- ionized) as NH3	Dissolved	Total	Total Suspended	E Coli		
Parameter		NH3 (mg/L)	Oxygen (mg/L)	(mg/L)	Solids (mg/L)	(#/100ml)	Copper (mg/L)		(mg/L)	ô	(mg/L)	Solids (mg/L)	(#/100ml)	Copper (mg/L)	
Pre-discharge (2002 to Januarv 27, 2014)															
Count (detected)	31	19							15		26	20	QN		
Minimum (detected)	0.08		2.4	1 0.094			0.0	3 0.04				5.0	QN	0.002	
Maximum (detected)	3.57				П				_				QN		
Mean	0.773												ž		
Standard Deviation	0.735							0					Z		
Median	9.0								_		U		ž		
95th percentile	2.16												Z		
90th percentile	1.88					ND		1.275		2 13.6	0		ND		
75th percentile	0.825	0.041	11.6	5 0.318	3 23.0		0.007		0.04915		0.339	35.7	Z	0.006	
During Discharge															
Count (detected)	13	13	13	13	13	Ü			77		77	77	Ž	77	
Minimum (detected)	0.51	0	44	0			0 003	210	Ö	22	0.249	2 12	Ž	Ö	
Maximum (detected)	6.08					2					0.736		2		
Mean	1.825		7.2				J	1		5.6	0.499	22.2	ž		
Standard Deviation	1.549										0.142		ž		
Median	1.26										0.4815		ž		
95th percentile	4.976							7			0.733		ž		
90th percentile	3.868										0.716		ž		
75th percentile	2.05		8.7					9 2.425			0.566	22.5	Z		
After Discharge															
(July 19, 2018 onward)															Α
Count (detected)	4										2		QN		
Minimum (detected)	0.29		3.8			ND					0.154		QN		
Maximum (detected)	1.43						_				0.311		ND		
Mean	0.64	0.016	6.1						0		0.229		Z		
Standard Deviation	0.460						0.002	U		7 1.4	0.065		ND		
Median	0.42										0.198		ž	0	
95th percentile	1.285										0.310		ND		
90th percentile	1.139		7.4			ND	J	6 0.93	0	8 6.2	0.308		ΩN	0.006	
75th percentile	0.703	0.017	7.2	0.338	3 19.2	N	0.0036		0.015		0.304	28.3	Z		
Notes: NC = not calculated ND = no data															Repo Pa
<sup>1</sup> = one value sampled for the location (i.e. sampled on 9/30/2019)															t P\ ge
Security of the second						Dage A of B	a						0000	thing (Capacia)	
Effects Evaluation						1 880	0						5	JIIII (Vanada) Li	ZUS. +Ucco., coco. 1

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Appendix B: Table B1 Surface Water Statistical Summary

					,		0	Chedone Creek - Monifolding Stations downstream of Main Annig Coo	J. Manny ming	2				
Гос	Location			CP11						3,	STN9 near mouth			
		Ammonia (un-		Total	Total				Ammonia (un-					
G	Ammonia as N		Dissolved	Phosphorus	pa	[ (#/100m])	Copper	Ammonia as N	ionized) as NH3	Dissolved	Total Phosphorus	Total Suspended	E Coli	E Coli
	neter (mg/L)	(n/Siii) cun	Oxygen (mg/ L)	(IIIB/L)		E COII (#/ TOOIIII)	(IIIB/L)	(IIIB/L)	(IIIB/L)	Oxygen (mg/L)	(IIIB/L)	Solids (IIIB/L)	(#/ TOOLIII)	opper (mg/ L)
Fre-discnarge (2002 to January 27, 2014)														
Count (detected)	133	3 17	97	132	133	119	ND	30	18	26	30	25	ND	33
Minimum (detected)	0.005	0	0.0	0.032	1.5	10	ND	Ö	0.005		0.0	2.4	ND	0.002
Maximum (detected)	1.95	5 0.112	21.0	0.81	168.0	200000	ND	1.66	0.068	15.9	0.512	232.0	ND	0.03
Mean	0.503	3 0.047	9.7	0.238	31.5	19708	ND	0.745	0.029	9.5	0.264	28.7	ND	0.006
Standard Deviation	0.384	4 0.030	4.0	0.11	25.5	67326	ND	0.470	0.019	3.2	0.113	43.5	ND	0.005
Median	0.44	4 0.038	10.0	0.21	26.0	540	ND	0.7	0.027	9.6	0.23	19.8	ND	0.005
95th percentile	1.202	2 0.096	15.2	0.43	75.9	160000	ND		0.067			42.9	ND	0.013
90th percentile	1.01	1 0.0902	14.0	0.36	54.1	31980	ND	1.303	0.052	11.9	0.451	40.6	ND	0.009
75th percentile	0.74	4 0.061	13.0	0.281	39.4	3800	ND	1.13	0.042	11.7	0.36	31.8	ND	0.006
During Discharge														
(January 28, 2014 to July 18, 2018)	(8)													
Count (detected)	87		79	87	84	87	QN	17	17	17	17	17	ND	17
Minimum (detected)	0.002		0.4	0.109	2.2	10	ND	0.09	0.004	2.4	0.294	5.8	ND	0.005
Maximum (detected)	13.1			2.03	104.0	3600000	QN		0.052	-		84.8	ND	0.0248
Mean	2.05			0.54	23.8	312349	ND		0.026			24.1	ND	0.011
Standard Deviation	2.287			0.360	19.6	596671	QN	1.638	0.013	2.1	0.186	17.1	ND	0.006
Median	1.05			0.466	18.8	21600	QN	2.06	0.022	5.1	0.424	22.4	ND	0.007
95th percentile	6.411	1 ND		1.241	57.9	-	ND		0.051			41.0	ND	0.023
90th percentile	4.976			1.04	51.0	000006	ND	4	0.046			29.8	ND	0.019
75th percentile	2.945		11.4	0.702	30.4	430000	ND	2.56	0.032	0.9	0.599	26.2	ND	0.015
After Discharge														
(July 19, 2018 onward)														
Count (detected)	34		35	35	32	32	ND		5	3		5	ND	5
Minimum (detected)	0.01			0.135	2.9		QN	0.01	0.0012	3.3	0.063	4.8	ND	0.003
Maximum (detected)	1.39	DN 6		0.935	143.0	32000	ND	1	0.0212			27.0	ND	0.010
Mean	0.378			0.282	19.8		QN	0.534	0.01248	5.6		15.9	ND	0.006
Standard Deviation	0.331			0.132	23.7	6727	QN	0.418	0.007		0.116	7.1	ND	0.002
Median	0.26			0.261	14.4		ND	0.53	0.0162			16.5	ND	0.004
95th percentile	1.154			0.422	43.8		ND	1	0.02044			25.1	ND	0.009
90th percentile	0.768		13.0	0.379	30.0	11110	ND	1	0.01968	7.3		23.2	ND	0.009
75th percentile	0.46	QN 9	12.4	0.292	23.3	7225	ND	1	0.0174		0.338	17.6	QN	0.007

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							Ó	otes Paradise - N	Cootes Paradise - Monitoring Stations						
Lo	Location				C6-east¹							CP11.2			
		Amı	Ammonia (un-							Ammonia (un-			Total		
Para	Ammonia as N Parameter (mg/L)		ionized) as NH3 (mg/L) C	Dissolved Oxygen (mg/L)	Total Phosphorus (mg/L)	Total Suspended Solids (mg/L)	E Coli (#/100ml)	Copper (mg/L)	Ammonia as N (mg/L)	ionized) as NH3 (mg/L)	Dissolved Oxygen (mg/L)	Total Phosphorus (mg/L)	Suspended Solids (mg/L) E C	E Coli (#/100ml) Copper (mg/L)	pper (mg/L)
Pre-discharge				3	3	3		3		3	3	3			3
(2002 to January 27, 2014)															
Count (detected)		N	ND	ND	ND		NC				QN	QV	ND	ND	ND
Minimum (detected)		N	ND	ND	ND		NC				QN	N	ND	QN	ND
Maximum (detected)		ND	ND	ND	ND		N				QN	N	ND	QN	ND
Mean		N	ND	ND	ND		NC	O ND			QN	ND	ND	ND	ND
Standard Deviation		ND	ND	ND	ND		NC				QN	QN	ND	ND	ND
Median		N	ND	ND	ND	QN	ND	ON	QN	ND	QN	N	ND	ND	ND
95th percentile		N	ND	ND	ND		N	ON			QN	N	ND	ND	ND
90th percentile		N	ND	ND	ND		NC	ON		QN	QN	ND	ND	ND	ND
75th percentile		N	ND	ND	ND		NC				QN	N	ND	QN	ND
During Discharge															
(January 28, 2014 to July 18, 2018)	018)														
Count (detected)		N	ND	ND	ND		NC	ON	17	17	17	17	17	17	ND
Minimum (detected)		N	ND	ND	ND		NC		0.01	0.0003	0.8	0.14	11.7	30	ND
Maximum (detected)		N	ND	ND	ND		NC	O ND	5.06		12.8	0.97	125.0	128000	ND
Mean		N	ND	ND	ND		NC	ON		0.041	5.7	0.494	48.1	24713	ND
Standard Deviation		ND	ND	ND	ND		N				3.1	0.203	24.5	42631	ND
Median		N	ND	ND	ND		N			0.019	4.9	0.472	44.2	220	ND
95th percentile		N	ND	ND	ND	QN	N	O ND		0.105	10.7	0.831	80.7	112000	ND
90th percentile		N	ND	ND	ND		NC		.,		9.5	0.737	65.8	104400	ND
75th percentile		ND	ND	ND	ND		Ŋ		1.97	0.061	7.5	0.58	55.8	13000	ND
After Discharge															
(July 19, 2018 onward)															
Count (detected)		1	QN	1	1	1	1				16	16	16	16	ND
Minimum (detected)		0.016	QN	9.1	0.169	37.6	99	0.004	0.005	0.0001	2.2	0.09	12.0	10	ND
Maximum (detected)		0.016	ND	9.1	0.169		99	0.004	1.9	0.327	12.0	0.92	38.0	16000	ND
Mean		NC	ND	NC	NC		N	C NC			6.7	0.299	24.8	1695	ND
Standard Deviation		NC	ND	NC	NC	NC	NC		0		3.2	0.251	8.8	3855	ND
Median		NC	ND	NC	NC		Ň				7.0	0.1775	25.8	290	ND
95th percentile		NC	ND	NC	NC		Ň				12.0	0.757	37.7	7150	ND
90th percentile		NC	QN	NC	NC		NC				11.4	0.672	36.6	3300	ND
75th percentile		NC	ND	NC	NC		N	C NC	0.375	0.019	8.3	0.461	31.3	1168	ND

Appendix B: Table B1 Surface Water Statistical Summary

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						Coote	s Paradise - P	Cootes Paradise - Monitoring Stations						
Loca	Location			CP1							CP2			
	, in the second	Ammonia (un-		9			30	N C	Ammonia (un-			To the P		3
Parameter		ionized) as inns ii (mg/L)	(mg/L) (mg/L) (mg/L)	rotar Phosphorus (mg/L)	Solids (mg/L)	E Coli (#/100ml)	(mg/L)		onized) as NH3 DIS (Mg/L)		lotal Phosphorus (mg/L)	Solids (mg/L)	E Coli (#/100ml)	(mg/L)
Pre-discharge														
(2002 to January 27, 2014)														
Count (detected)	130	9	93	129	129	130	ND	128	11	93	127	128	128	Q
Minimum (detected)	0.005	0.003	4.0	0.015	4.0	0	ND	0.005	0.0001	3.0	0.026	5.6	1	Q
Maximum (detected)	0.45	0.019	21.0	0.345	124.0	14000	ND	0.21	0.0226	16.0	0.426	175.0	6100	N
Mean	0.053	0.010	105.9	0.145	41.1	. 468	ND	0.046	0.004	0.6	0.153	48.9	382	N
Standard Deviation	0.073	0.007	34.9	0.057	17.9	1789	ND	2.734	0.006	2.7	0.074	28.1	880	N
Median	0.03	0.010	0.66	0.136	38.6		ND	6	0.001	0.6	0.145	43.8	63	N
95th percentile	0.181	0.019	14.4	0.253	72.7		ND	0.17	0.0156	14.0	0.2907	101.6	2095	N
90th percentile	0.131	0.018	13.0	0.224	60.2		ND	0.113	0.0086	12.8	0.2368	82.5	786	N
75th percentile	90:0	0.017	12.0	0.173	20.0	145	ND	90.0	0.0043	10.0	0.1915	59.0	295	N
During Discharge														
(January 28, 2014 to July 18, 2018)	(8													
Count (detected)	40	35	52	52	40		ND	94	85	94	94	94	94	QN
Minimum (detected)	0.005	0.0002	4.0	0.02	7.7		ND	0.005	0.0001	2.0	0.019	1.0	1	ND
Maximum (detected)	0.67	0.079	15.0	0.386	73.0	9	ND	0.44	0.035	21.0	0.481	294.0	4400	N
Mean	0.095		8.5	0.151	33.4		ND	0.037	0.003	94.6	0.113	32.5	240	N
Standard Deviation	0.135		2.2	0.072	14.5	1	ND	0.058	0.005	3.3	0.075	34.8	561	N
Median	0.03	0.005	8.7	0.134	30.4		ND	0.02	0.008	8.0	0.095	26.4	09	ND
95th percentile	0.382		12.6	0.313	56.5	17120	ND	0.147	0.009	15.0	0.2472	67.8	1259	N
90th percentile	0.221	0.026	11.9	0.223	52.8		ND	0.064	0.007	12.7	0.2116	55.9	297	N
75th percentile	0.143	0.013	9.2	0.170	41.6	1035	ND	0.03	0.003	10.0	0.1478	44.3	145	Q
After Discharge														
(July 19, 2018 onward)														
Count (detected)	14	14	19	19	14		ND	21	21	21	21	21	21	QN
Minimum (detected)	0.005	0.00004	2.7	0.065	13.7		ND	0.005	0.000001	2.9	0.064	11.6	2	ND
Maximum (detected)	0.14	0.091	15.0	0.233	50.4		ND	0.21	0.010	14.6	0.222	0.09	00029	N
Mean	0.038	0.009	8.5	0.153	32.1		ND	0.043	0.002	8.2	0.133	32.5	3821	ND
Standard Deviation	0.043		2.8	0.053	10.3	•	ND	0.052	0.003	2.8	0.049	14.4	14225	ND
Median	0.02		8.2	0.144	32.1		ND	0.02	0.001	7.7	0.118	31.5	80	ND
95th percentile	0.14	0.038	12.9	0.230	48.5	872	ND	0.15	0.009	12.2	0.219	55.0	7400	N
90th percentile	0.113	0.010	12.4	0.224	46.2		ND	0.1	0.005	11.7	0.217	52.4	3400	ND
75th percentile	0.038	90000	10.0	0.205	38.9	40	ND	0.04	0.003	10.5	0.163	44.8	360	ND

Appendix B: Table B1 Surface Water Statistical Summary

Appendix B: Table B1 Surface Water Statistical Summary

			Cootes Pa	Cootes Paradise - Monitoring Station	station		
Location				CP20			
	N circum	Ammonia (un-	Ammonia (un-	Total Discontinuo	Total Constitution		
Parameter		Ionized) as INF3 (mg/L)	Dissolved Oxygen (mg/L)	rotal Priospriorus (mg/L)	Solids (mg/L)	E Coli (#/100ml) Copper (mg/L)	pper (mg/L)
Pre-discharge							
(2002 to January 27, 2014)							
Count (detected)	116	9	82	115	116	5 116	ND
Minimum (detected)	0.005	0.0002	3.0	0.022	7.1	1	ND
Maximum (detected)	0.37	0.012	17.0	0.793	673.0	) 5500	N
Mean	0.038	0.005	8.7	0.197	82.0	249	N
Standard Deviation	0.053	0.004	2.7	0.130	93.0		ND
Median	0.02	0.005	9.0	0.164	51.7	36	N
95th percentile	0.125	0.010	13.0	0.434	241.0	1325	N
90th percentile	0.085	0.009	12.9	0.376	176.5	311	ND
75th percentile	0.04	0.007	10.0	0.237	0.06	106	N
During Discharge							
(January 28, 2014 to July 18, 2018)							
Count (detected)	34	29	57	57	34	1 33	ND
Minimum (detected)	0.005	0.0002	2.0	0.005	1.0		ND
Maximum (detected)	0.16	0.013	51.0	0.286	84.5	1	ND
Mean	0.017	0.002	0.6	0.116	22.1		N
Standard Deviation	0.027	0.003	6.8	0.081	21.8	3 125	ND
Median	0.01	0.0008	7.9	0.113	16.2		N
95th percentile	0.037	0.005	17.6	0.251	62.9		ND
90th percentile	0.03	0.004	13.2	0.235	55.9	134	N
75th percentile	0.02	0.002	10.0	0.172	28.4		N
After Discharge							
(July 19, 2018 onward)							
Count (detected)	ND	ND	19	19	QN		ND
Minimum (detected)	QN	ND	3.3	0.05	QN		ND
Maximum (detected)	ND	ND	12.8	0.297	QN		N
Mean	ND	ND	7.1	0.162	ND	QN	ND
Standard Deviation	ND	ND	2.5	0.080	N		N
Median	ND	ND	9.9	0.142	ND		ND
95th percentile	ND	ND	12.1	0.292	ND		N
90th percentile	ND	ND	10.7	0.289	QN		ND
75th percentile	N	QN	8.2	0.226	ON	QN	ND

Notes: NC = not calculated ND = no data

<sup>1</sup> = one value sampled for the location (i.e. sampled on 9/30/2019)



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# CITY OF HAMILTON PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT Economic Development Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	Barton Village Business Improvement Area (BIA) Revised Board of Management (PED20096) (Ward 3)
WARD(S) AFFECTED:	Ward 3
PREPARED BY:	Julia Davis (905) 546-2424 Ext. 2632
SUBMITTED BY:	Norm Schleehahn Director, Economic Development Planning and Economic Development Department
SIGNATURE:	Men

#### RECOMMENDATION

That the following individuals be appointed to the Barton Village Business Improvement Area (BIA) Board of Management:

- (i) Christine Furtado
- (ii) Sophie Dixon
- (iii) Michal Cybin

### **EXECUTIVE SUMMARY**

Appointment of new Directors to the Barton Village Business Improvement Area (BIA) Board of Management to fill existing vacancies.

**Alternatives for Consideration – Not Applicable** 

FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: N/A

SUBJECT: Barton Village Business Improvement Area (BIA) Revised Board of

Management (PED20096) (Ward 3) - Page 2 of 3

Staffing: N/A

Legal: Ontario Municipal Act, 2001, Sections 204-215, as amended, governs BIAs.

Section (204) Subsection (3) stipulates, "A board of management shall be composed of, (a) one or more directors appointed directly by the municipality; and (b) the remaining directors selected by a vote of the membership of the

improvement area and appointed by the Municipality."

Section 204, Subsection (12) stipulates, "...if a vacancy occurs for any cause, the municipality may appoint a person to fill the vacancy for the unexpired portion of the term and the appointed person is not required to be a member of the improvement area."

### HISTORICAL BACKGROUND

At its Board of Management meeting on February 24, 2020, the Barton Village BIA Board of Management elected Christine Furtado, Sophie Dixon and Michal Cybin to be appointed to the Board of Management.

Should Council adopt the recommendation in Report PED20096, the above-mentioned names would fill vacancies that existed on this Board of Management.

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Ontario Municipal Act, 2001, Section 204, Sub-section (3) dictates that City Council must appoint the Board of Management to the BIAs.

### **RELEVANT CONSULTATION**

Not Applicable

### ANALYSIS AND RATIONALE FOR RECOMMENDATION

Not Applicable

#### **ALTERNATIVES FOR CONSIDERATION**

Not Applicable

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

# SUBJECT: Barton Village Business Improvement Area (BIA) Revised Board of Management (PED20096) (Ward 3) - Page 3 of 3

### **Community Engagement and Participation**

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

### **Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

### APPENDICES AND SCHEDULES ATTACHED

Not Applicable

JD:dt



# CITY OF HAMILTON PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT Economic Development Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	Westdale Village Business Improvement Area (BIA) Revised Board of Management (PED20097) (Ward 1)
WARD(S) AFFECTED:	Ward 1
PREPARED BY:	Julia Davis (905) 546-2424 Ext. 2632
SUBMITTED BY:	Norm Schleehahn Director, Economic Development Planning and Economic Development Department
SIGNATURE:	Men

#### RECOMMENDATION

That the following individuals be appointed to the Westdale Village Business Improvement Area (BIA) Board of Management:

- (i) Ron Gabor
- (ii) Anita Shilliday

### **EXECUTIVE SUMMARY**

Appointment of new Directors to the Westdale Village Business Improvement Area (BIA) Board of Management to fill existing vacancies.

**Alternatives for Consideration – Not Applicable** 

FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: N/A

Staffing: N/A

# SUBJECT: Westdale Village Business Improvement Area (BIA) Revised Board of Management (PED20097) (Ward 1) - Page 2 of 3

Legal:

Ontario Municipal Act, 2001, Sections 204-215, as amended, governs BIAs. Section (204) Subsection (3) stipulates, "A board of management shall be composed of, (a) one or more directors appointed directly by the municipality; and (b) the remaining directors selected by a vote of the membership of the improvement area and appointed by the Municipality."

Section 204, Subsection (12) stipulates, "...if a vacancy occurs for any cause, the municipality may appoint a person to fill the vacancy for the unexpired portion of the term and the appointed person is not required to be a member of the improvement area."

### HISTORICAL BACKGROUND

At its Board of Management meeting on March 17, 2020, the Westdale Village BIA Board of Management elected Ron Gabor and Anita Shilliday to be appointed to the Board of Management.

Should Council adopt the recommendation in Report PED20097, Ron Gabor and Anita Shilliday would fill vacancies that were created with the resignations of Ilona Santa and Anne Campagna.

### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Ontario Municipal Act, 2001, Section 204, Sub-section (3) dictates that City Council must appoint the Board of Management to the BIAs.

### **RELEVANT CONSULTATION**

Not Applicable

### ANALYSIS AND RATIONALE FOR RECOMMENDATION

Not Applicable

### **ALTERNATIVES FOR CONSIDERATION**

Not Applicable

#### ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

### **Community Engagement and Participation**

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

# SUBJECT: Westdale Village Business Improvement Area (BIA) Revised Board of Management (PED20097) (Ward 1) - Page 3 of 3

### **Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

### **APPENDICES AND SCHEDULES ATTACHED**

Not Applicable

JD:dt



### **CITY OF HAMILTON**

# **CORPORATE SERVICES DEPARTMENT**Financial Planning, Administration and Policy Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	John Savoia (905) 546-2424 Ext. 7298
SUBMITTED BY:	Brian McMullen Director, Financial Planning, Administration and Policy Corporate Services Department
SIGNATURE:	

### **RECOMMENDATION(S)**

- (a) That the New Development Water Customer Attachment Billing Policy, attached as Appendix "A" to Report FCS20023, be approved and effective as of May 1, 2020;
- (b) That the City Solicitor be authorized and directed to prepare all necessary by-laws to implement the New Development Water Customer Attachment Billing Policy set out in Recommendation (a) of Report FCS20023;
- (c) That Multi-residential and Industrial / Commercial / Institutional (ICI) properties under construction with active building permits issued prior to May 1, 2020, be required to pay the Unmetered Rates by Meter Size as outlined in Appendix "A" to Report FCS20023 at the time of the plumbing inspection stage where a water meter has not been installed;
- (d) That staff in Financial Planning, Administration and Policy Division coordinate a working group comprised of staff from Growth Management, Building Services, Hamilton Water and Alectra Utilities Corporation to identify the complete population of non-compliant, non-metered water service accounts and transition the accounts to metered service.

SUBJECT: New Development Water Customer Attachment Billing Policy

(FCS20023) (City Wide) - Page 2 of 11

### **EXECUTIVE SUMMARY**

The City's Waterworks By-law R84-026 (By-law) currently stipulates that all properties, once connected to the City's waterworks system, are to install a water meter and remote reading device. However, non-metered water is being supplied to properties with newly installed water services during construction of new developments and before the installation of a water meter. Metering and the commencement of water and wastewater / storm billings associated with new development construction in a timely and consistent manner, is generally challenging for water utilities to prevent unbilled consumption and the associated rate revenue leakage (refer to Analysis and Rationale for Recommendation section of Report FCS20023 for further details).

In 2009, staff developed and implemented a process that effectively addressed water meter installations and the commencement of water and wastewater / storm billings associated with new development construction of single-family dwellings. As of 2009, the water meter installation process has been incorporated within the Building Permit process. Consequently, billings have commenced in a consistent and fair manner whereby new single residential water accounts commence either on a metered basis when the water meter installation occurred, or on a non-metered / flat rate basis (1m³/day) at the time of the insulation inspection phase of the Building Permit process, depending on which event occurs first.

The commencement of flat-rate billings has proven effective to encourage installation of water meters to occur earlier in the typical residential build timeline as previously, water meters often were not installed until just prior to the house closing date so that any delays resulted in meters not being installed until after the house closing date. Incorporating the process into the New Development Water Customer Attachment Billing Policy, attached as Appendix "A" to Report FCS20023, formally documents a process that is being regarded as a best practice by other water utilities.

Construction water fees, enacted since January 2013, are user fees related to City-provided unmetered water used for construction purposes prior to meter installation. The fees vary according to the type of construction namely, single residential, multi-residential and Industrial / Commercial / Institutional (ICI) and are paid at the time of building permits issuance. These fees, related strictly to new construction, recognize that unmetered water is used for construction purposes for some length of time until a water meter can practicably be installed. For new single residential water accounts, the introduction of the construction water fee effectively closed a gap where the cost of City-provided unmetered water used for construction purposes prior to the time of the insulation inspection phase of the Building Permit process (or the installation of the water meter) was not being recovered / billed for.

# SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 3 of 11

The commencement of water and wastewater / storm billings associated with new development construction of ICI and multi-residential properties has been inconsistent occurring at varying points during construction and in many cases, no water meter had been installed by the final occupancy inspection phase. Furthermore, the construction water fees, while applicable to ICI and multi-residential properties, may not appropriately cost recover for the volumes of water used during such construction given the significant range in service line capacity related to large scale developments and the often lengthy timeframes before a water meter is installed. Hence, staff have strived to develop a process that incorporates the strengths of the process adopted a decade ago for new development construction of single-family dwellings.

The proposed process related to new development construction of ICI and multi-residential properties would, in lieu of applying construction water fees, initiate the commencement of water and wastewater / storm billings on a non-metered / flat rate basis at the time when the water service is activated by the City for the property. The flat rate pricing structure will be incremental based on the size of the meter that will be installed during the building process. For example, flat rate billing will be 4m³/day where a 50mm meter will be installed but for a 100mm meter, the flat rate billing would be based on 16m³/day.

Given the much longer construction timeframe associated with the usually larger scale ICI and multi-residential developments, more timely installation of water meters is desirable to increase fairness. Metering ensures users pay for the water they use. To provide a greater incentive to have meters installed earlier in the building process, flat rate billings commenced upon water activation will be tripled at the time of the plumbing inspection phase of the Building Permit process. As with the single residential process, the water meter and remote reading device is required to be installed prior to the final occupancy inspection phase failing which the occupancy inspection would not be scheduled by the City's Building Division. Further details on the proposed process can be found in Appendix "A" to Report FCS20023.

To educate the building community of the changed process for the commencement of water and wastewater / storm billings, as well as, water meter installations related to new development construction of ICI and multi-residential properties, a hand-out has been developed that would be attached to water meter permits which are issued at the same point in time when water servicing permits are issued (refer to Appendix "B" to Report FCS20023). Since 2009, a similar hand-out has been available when building permits for single residential construction are issued (refer to Appendix "C" to Report FCS20023 for current version of hand-out).

#### **New Development Water Customer Attachment Billing Policy** SUBJECT: (FCS20023) (City Wide) - Page 4 of 11

Given the inconsistencies with water billing commencement, not only has the City likely not adequately charged for water use during construction, there is the possibility that water services have been installed and water meters may not have been installed and potentially resulting in newly developed properties receiving water and wastewater / storm services without being billed. Recommendation (d) of Report FCS20023 directs staff to undertake an extensive audit to verify that properties serviced with City water services are metered and are being billed the associated user fees.

### Alternatives for Consideration – N/A

### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: The recommended New Development Water Customer Attachment Billing Policy is expected to reduce unmetered water use and increase overall rate revenues. While it is very difficult to quantify the increased revenues, every one percent decrease in the amount of unaccounted for non-revenue water consumption would yield nearly \$800 K of additional revenue (based on 2020

rates) offset by the elimination of construction water fees for larger scale ICI and multi-residential developments which for 2019 amounted to nearly \$100 K in

revenue.

Staffing: No impact to current staffing levels.

Legal: Under the authority of sections 9, 10, and 11 and 391 of the *Municipal Act*,

2001, the City has the authority to charge a user fee to cover the cost of publicly provided services. A key consideration is to ensure that there is a connection between the amount of the user fee and the cost of the service being provided,

such that it is not categorized as a tax.

As Report FCS20023 deals with the approval of a policy framework for imposing water and wastewater / storm fees, public notice has been given under the

City's Public Notice Policy By-law 07-351.

### HISTORICAL BACKGROUND

The City's Waterworks By-law R84-026 (By-law) currently stipulates that all properties, once connected to the City's waterworks system, are to install a water meter and remote reading device. Despite this long-standing requirement, non-metered water is being supplied to properties with newly installed water services during construction of new developments before the installation of a water meter.

# SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 5 of 11

In 2009, staff developed and implemented a process that effectively addresses water meter installations and the commencement of water and wastewater / storm billings associated with new development construction of single-family dwellings. Prior to 2009, water and wastewater / storm billing commencement had been inconsistent occurring at varying points during construction and in many cases, no water meter had been installed by the house closing date. As of 2009, the water meter installation process has been included within the Building Permit process. Consequently, billings have commenced in a consistent and fair manner whereby new single residential water accounts commence either on metered usage when the water meter installation occurred or on a non-metered flat rate basis (1m3/day) at the time of the insulation inspection phase of the Building Permit process, depending on which event occurs first.

The water meter and remote reading device is required to be installed prior to the final occupancy inspection phase failing which the occupancy inspection would not be scheduled by the City's Building Division. The commencement of flat rate billings has proven effective to encourage installation of water meters to occur earlier in the typical residential build timeline as previously, water meters often were not installed until just prior to the house closing date and as previously mentioned, in some cases, meters were not installed until after the house closing date. Incorporating the process into the New Development Water Customer Attachment Billing Policy attached as Appendix "A" to Report FCS20023 formally documents what is being regarded as a best practice by other water utilities.

Construction water fees in place since January 2013 are user fees related to City-provided unmetered water used for construction purposes prior to meter installation. The fees vary according to the type of construction namely single residential, multi-residential and Industrial / Commercial / Institutional (ICI) and are paid at the time of building permits issuance. These fees approved as part of the annual Rate Budget process are related strictly to new construction and recognize that unmetered water is used for construction purposes for some length of time until a water meter can practicably be installed. For new single residential water accounts, the introduction of the construction water fee effectively closed a gap where the cost of City-provided unmetered water used for construction purposes prior to the time of the insulation inspection phase of the Building Permit process (or the installation of the water meter) was not being recovered / billed for.

The 2020 construction water fees are as follows:

Single Residential (per lot or townhouse)	\$ '	100.00
Multi-residential (per apartment / condo unit)	\$	46.75
Industrial / Commercial / Institutional (\$/1,000 sq. ft. of building area or \$/ha where no structure is constructed)	\$	32.80

# SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 6 of 11

The commencement of water and wastewater / storm billings associated with new development construction of ICI and multi-residential properties has been inconsistent occurring at varying points during construction and in many cases, no water meter had been installed by the final occupancy inspection phase. Furthermore, the construction water fees, while applicable to ICI and multi-residential properties, may not appropriately cost recover for the volumes of water used during such construction given the significant range in service line capacity related to large scale developments and the often lengthy timeframes before a water meter is installed. Hence, staff has strived to develop a process that incorporates the strengths of the process adopted a decade ago for new development construction of single-family dwellings.

### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Report FCS20023 proposes a New Development Water Customer Attachment Billing Policy for the consideration of Council that supports the principle of a sustainable user-pay water and wastewater / stormwater program.

### **RELEVANT CONSULTATION**

Corporate Services Department – Legal and Risk Management Services Division has been consulted in the preparation of Report FCS20023.

Planning and Economic Development Department – Building Services and Growth Management Divisions support the recommendations of Report FCS20023.

Public Works Department – Hamilton Water Division supports the recommendations of Report FCS20023.

Alectra Utilities Corporation has been consulted and advised of implementation requirements that arise from the adoption of the recommendations of Report FCS20023 and have indicated they can support the City with these initiatives.

### ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

Metering and the commencement of water and wastewater / storm billings associated with new development construction in a timely and consistent manner, is challenging for water utilities in general to prevent unbilled consumption and the associated rate revenue leakage.

An online literature review to identify possible best practices for the commencement of billings and installation of meters yielded two recent comprehensive audits of two large water utilities regarding water billing and metering practices:

# SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 7 of 11

# 1. March 2017, Toronto – Water Billing and Water Meter Management Require Strengthening Auditor General's Report

This audit reviewed Toronto's water billing and collection processes with the audit performed in two phases:

- Phase I focused on the collection of outstanding water accounts
- Phase II focused on the processes and controls to ascertain the accuracy and completeness of water billing, recording of customer payments, account adjustments and monitoring of service orders for water meter installation and repairs

The audit did find that most accounts have been billed appropriately. However, it did note important areas where the City was losing revenue and / or incurring unnecessary operating cost. Certain key observations included:

- From a sample of approximately 2,500 properties with closed construction permits
  nearly six per cent did not have a water meter or water billings even though there was
  evidence of water usage.
- Inadequate communication between Toronto Building and Toronto Water Divisions on the status of closed building permits for properties under construction.
- Total impact of unbilled water usage on revenues could not be determined due to the complexity and time required to review all the potential unbilled properties. However, an estimate of \$1.3 M in potential unbilled revenue was noted related to sampled properties with revenue recovery limited by how far back the City can retroactively bill these accounts.
- Repeat no-access site visits wasted City resources and delayed water meter installations.

Audit Recommendations included the following:

- Toronto Water, to coordinate with Toronto Building and explore opportunities for shared services relating to construction permit status reporting and water meter verification during building inspections.
- Revenue Services and Toronto Water, to review all property addresses in the various systems with a view to integrating data and developing exception reports for properties without a water meter.

## SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 8 of 11

Toronto Water has responded to the audit with a commitment to work with Toronto Building "to explore opportunities to include the meter installation in the permit process, possibly at the 'vapour barrier and insulation' phase of the permit process."

The Toronto audit confirms the strengths of Hamilton's process that has been in place since 2009, for water meter installations and the commencement of water and wastewater / storm billings associated with new development construction of single-family dwellings. Specifically, the Toronto audit recommendations mirror Hamilton's process whereby the meter installations are included within the building permit process, water billings commence at the insulation inspection phase and the water meter and remote reading device are required to be installed prior to the final occupancy inspection phase providing water meter installation verification.

# 2. June 2015, City of Chicago – Water Service Account Inventory and Revenue Audit Report from the Office of the Inspector General

This audit examined the practices of the Chicago Department of Water Management (DWM) to determine whether the DWM maintained a complete and accurate inventory of water service accounts and that it billed all accounts in a timely manner and for the correct amount. The audit did find that the DWM:

- failed to charge for water used during construction of new privately-owned buildings from June 2008 through December 2014, resulting in lost revenue of an estimated \$3.9 M;
- provided non-metered water service to non-residential buildings and residential buildings with three or more units in violation of Municipal Code of Chicago (MCC);
- failed to bill and / or collect payment from accounts that were incorrectly coded as inactive or permanently removed.

As a result of the audit, the DWM responded that it will change its policy and will require that a water meter be installed at the time a city watermain is tapped and to take appropriate enforcement actions against noncompliant, non-metered accounts. Additionally, the DWM committed to take appropriate enforcement actions against noncompliant, non-metered accounts.

The Chicago audit identified similar issues observed in Hamilton with respect to the commencement of water and wastewater / storm billings associated with new development construction of ICI and multi-residential properties whereby essentially unlimited non-metered water service is provided during construction with no associated usage billings and in many cases, no water meter had been installed by the final occupancy inspection phase.

### **Proposed Hamilton Billing Policy**

While the Chicago audit recommendation to install water meters at the time a city watermain is tapped could be considered ideal, such a requirement is not practical unless all water metering occurred at the property line. Most of Hamilton's new development construction of ICI and multi-residential properties typically have the water meter installed within a building. Hence, the proposed process for metering and billing of new development construction of ICI and multi-residential properties has identified enhancements whether the metering will occur at the property line or within buildings (further details on the proposed policy can be found in Appendix "A" to Report FCS20023).

The proposed policy related to new development construction of ICI and multi-residential properties would, in lieu of applying construction water fees, initiate the commencement of water and wastewater / storm billings on a non-metered flat rate basis at the time when the water service is activated by the City for the property. The flat rate pricing structure will be incremental based on the size of the meter that will be installed during the building process. For example, flat rate billing will be 4m³/day where a 50mm meter will be installed but for a 100mm meter, the flat rate billing would be based on 16m³/day as reflected in Table 1 of Report FCS20023.

Table 1
Unmetered Rates by Meter Size

Meter t instal		Unmetered	2020	Cos	sts *
inches	mm	m3/day	Daily	٨	Nonthly **
< 1	15-21	1.0	\$ 3.39	\$	101.70
1	25	1.5	\$ 5.09	\$	152.55
1.5	38	2.5	\$ 8.48	\$	254.25
2	50	4	\$ 13.56	\$	406.80
3	75	9	\$ 30.51	\$	915.30
4	100	16	\$ 54.24	\$	1,627.20
6	150	36	\$ 122.04	\$	3,661.20
8	200	64	\$ 216.96	\$	6,508.80
10	250	100	\$ 339.00	\$	10,170.00

<sup>\*</sup> Combined water and wastewater / storm

<sup>\*\* 30-</sup>day month

# SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 10 of 11

Like past Hamilton experience, the Chicago audit identified that existing processes allowed property owners to delay meter installation during construction long after the water service had been installed. The proposed process for Hamilton recognizes the much longer construction timeframe associated with the usually larger scale ICI and multi-residential developments, therefore, more timely installation of water meters is desirable to increase fairness. Metering ensures users pay for the water they use. To provide a greater incentive to have meters installed earlier in the building process, flat rate billings commenced upon water activation, will be tripled at the time of the plumbing inspection phase of the Building Permit process. As with the single residential property process, the water meter and remote reading device will be required to be installed prior to the final occupancy inspection phase failing which the occupancy inspection would not be scheduled by the City's Building Division.

Both audits identify that given the lack of appropriate controls, the potential exists for the City to provide water service to properties without collecting payment from property owners. In the absence of the recommended process related to new development construction of ICI and multi-residential properties, there have been ongoing examples of properties being fully constructed and occupancy granted without water meters installed or water service being billed. From October to December 2019, three such examples were identified:

- Elementary school which opened April 2018 with water service activated in April 2017.
  However, in October 2019, the property was identified as not having a water meter in
  place nor any billings for the water service being provided. A back bill for
  approximately \$10 K was charged.
- Franchise restaurant newly built and opened in January 2018 with water service activation occurring in March 2017. Water meter installed in January 2019 with a back billing of \$11.3 K.
- City park splash pad opened in July 2018 with water meter installation in January 2019 resulting in a back billing of approximately \$9 K.

Fortunately, in the examples above, the backbilling period was within two years as the City's practices regarding Water and Wastewater / Storm Utility Back-Bill Adjustments takes into consideration the *Limitations Act, 2002* and therefore, the ability to collect under-billed amounts may be limited when the City is faced with retroactive billing periods that surpass two years. Often times, such properties remain non-compliant and non-metered.

Recommendation (d) of Report FCS20023 directs staff to undertake an extensive audit to verify that properties serviced with City water services are metered and are being billed the associated user fees.

# SUBJECT: New Development Water Customer Attachment Billing Policy (FCS20023) (City Wide) – Page 11 of 11

It is not possible to estimate the degree of potential revenue recovery the recommended audit may provide. In early 2008, City staff commenced an extensive audit to verify that properties serviced with City sanitary sewer services were being billed the associated wastewater user fee. That audit focused on assessing if sewer services were being provided to over 2,500 properties situated across the City which were not being charged the sewer user fee albeit a City sewer main was located nearby. From April 2008 to June 2012, over 1,100 properties were identified as connected to the City's sewer system with approximately 80% of identified properties being single residential. One-time back-bill adjustments for related retroactive sewer user fees amounted to revenue recovery of approximately \$1 M with estimated annual rate revenues of \$500 K (refer to Report FCS12075).

#### **ALTERNATIVES FOR CONSIDERATION**

N/A

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

### **Healthy and Safe Communities**

Hamilton is a safe and supportive City where people are active, healthy, and have a high quality of life.

#### Clean and Green

Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.

### APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report FCS20023 - New Development Water Customer Attachment Billing Policy

Appendix "B" to Report FCS20023 - Water meter installation pamphlet for New ICI / Multi-residential Development

Appendix "C" to Report FCS20023 - Water meter installation pamphlet for Single Residential Development

JS/dt



### POLICY TITLE: New Development Water Customer Attachment Billing Policy

POLICY NO: PP-0014 LAST REVISION DATE: N/A

EFFECTIVE DATE: May 1, 2020 MANAGER REVIEWED: Kirk Weaver

TO BE REVIEWED: 5/1/2025

MAINTENANCE RESPONSIBILITY: Senior Policy Advisor, Financial Planning, Administration and

Policy Division

#### I GENERAL

The New Development Water Customer Attachment Billing Policy (Policy) details the processes for the commencement of water and wastewater / storm billings related to new development construction of single residential, Industrial / Commercial / Institutional (ICI) and multi-residential properties.

### II BACKGROUND

The City's Waterworks By-law R84-026 (By-law) currently stipulates that all properties, once connected to the City's waterworks system, are to install a water meter and remote reading device. However, non-metered water is being supplied to properties with newly installed water services during construction of new developments and before the installation of a water meter. This Policy ensures that the commencement of water and wastewater / storm billings associated with new development construction occurs in a timely and consistent manner.

#### III POLICY

### Single Residential New Developments

**Billing Policy** 

Water billing will commence on the date of the first insulation inspection in one of the following manners:

- 1) Metered If a meter is installed, the billing will reflect actual water consumption
- 2) Unmetered If a meter is not installed, billing will occur on a flat rate basis (1 cubic metre per day) until the meter has been installed. To avoid unmetered flat rate billings, the property owner should ensure the water meter has been installed before requesting an insulation inspection.

### **Metering Stakeholders**

Stakeholders	Key Roles and Responsibilities
<ul><li>Property Owner</li><li>Individual / developer / contractor</li></ul>	<ul> <li>Initiates development with purchase of building and servicing permits (meter installation and construction water fees paid with building permit)</li> </ul>
Building Division	<ul> <li>Issues building and servicing permits</li> <li>Performs inspections associated with building permit</li> <li>Will not schedule occupancy inspection unless water meter has been installed</li> </ul>
Financial Planning, Administration and Policy Division	<ul> <li>Provides Alectra a monthly listing of new residential properties that have reached the insulation inspection stage of the building permit process</li> </ul>
Hamilton Water Customer Service Section	<ul> <li>Manages water meter installations</li> <li>Forwards meter installation work orders to meter contractor</li> <li>Forwards completed meter installation work orders to Alectra for billing purposes</li> </ul>
Meter Contractor - Neptune Technology Group	<ul> <li>Supplies, installs and replaces water meters for Hamilton Water</li> </ul>
Alectra Utilities	<ul> <li>City's water and wastewater / storm billing agent</li> <li>Commences water billings for new homes based on direction from City</li> </ul>

Note: Detailed process flowchart of the related meter installation process is available upon request.

### Multi-residential and Industrial / Commercial / Institutional (ICI) New Developments

### **Billing Policy**

Water billing will commence on an unmetered flat rate basis on the date when water is turned on at the property in the following manners:

- 1) "Single" unmetered basis Billing will occur on a flat rate basis until the meter has been installed or the date of the initial plumbing inspection. Flat rates are progressive based on the size of the meter that will be installed (refer to the table below), for example, 4m³/day flat rate where a 50mm meter will be installed.
- 2) "Triple" unmetered basis If a meter is not installed at the date of the initial plumbing inspection, billing will change to triple flat rate until the meter has been installed. To avoid unmetered triple flat rate billings, the property owner would need to ensure that the water meter has been installed before a plumbing inspection is requested.

### **Unmetered Rates by Meter Size**

Meter to be installed		Unmetered	2020 Costs *			
inches	mm	m3/day	Daily		Monthly **	
< 1	15-21	1.0	\$	3.39	\$	101.70
1	25	1.5	\$	5.09	\$	152.55
1.5	38	2.5	\$	8.48	\$	254.25
2	50	4	\$	13.56	\$	406.80
3	75	9	\$	30.51	\$	915.30
4	100	16	\$	54.24	\$	1,627.20
6	150	36	\$	122.04	\$	3,661.20
8	200	64	\$	216.96	\$	6,508.80
10	250	100	\$	339.00	\$	10,170.00

<sup>\*</sup> Combined water & wastewater/storm.

## **Metering Stakeholders**

Stakeholders	Key Roles and Responsibilities
Property Owner Individual / developer / contractor	<ul> <li>Initiates development with purchase of servicing, water meter and building permits</li> </ul>
Growth Management Division  Development Approvals Section	<ul> <li>Issues water servicing and water meter permits (at the same time)</li> <li>Provides copies of permits to Meter Operations</li> </ul>
Growth Management Division  Construction Section	<ul> <li>Issues water servicing and water meter permits (objective to issue both at the same time)</li> <li>Provides copies of water permits to Hamilton Water Meter Operations</li> <li>Activate water services; where meter is to be installed at the property line in a chamber and requires a meter spacer, water is not to be activated until after spacer is installed</li> <li>Advise Meter Operations and Finance of all water service line activations including dedicated fire lines</li> </ul>
Building Division	<ul> <li>Issues building permits</li> <li>Performs inspections associated with building permit</li> <li>Where water meter is not installed at the property line, will not schedule occupancy inspection unless the meter has been installed</li> </ul>

<sup>\*</sup> Rates set annually as part of Rate Budget Process.

<sup>\*\* 30-</sup>day month

Stakeholders	Key Roles and Responsibilities		
Financial Planning, Administration and Policy Division	<ul> <li>Advises Alectra to commence unmetered / flat rate billings</li> <li>Identifies properties that have reached the plumbing inspection stage of the building permit process and advises Alectra where no meter has been installed to increase to triple unmetered/flat rates</li> </ul>		
Hamilton Water Customer Service	<ul> <li>Manages water meter installations</li> <li>Forwards meter installation work orders to meter contractor</li> <li>Forwards completed meter installation work orders to Alectra for billing purposes</li> </ul>		
Meter Contractor - Neptune Technology Group	<ul> <li>Supplies, installs and replaces water meters for Hamilton Water</li> </ul>		
Alectra Utilities	<ul> <li>City's water and wastewater / storm billing agent</li> <li>Commences water billings based on direction from City</li> </ul>		

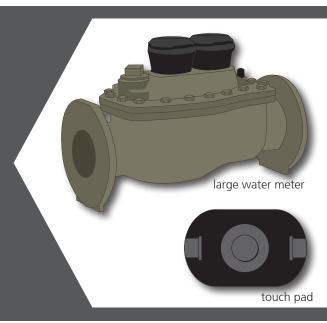
Note: Detailed process flowchart of the related meter installation process is available upon request.

# INSTALLING YOUR WATER METER



### METER INSTALLATION

- 1. Once your permit has been issued, please refer to the chart on the back of this page to determine if a spacer bar is required.
- 2. If required, pick up a spacer bar at 330 Wentworth Street North permit required.
- 3. Once the plumbing and spacer bar (if required) are installed, call Hamilton Water at 905-546-2489 for an inspection.
- 4. After the inspection has been completed, the City's water meter installer (Iconix) will contact you to arrange for the meter installation.
- 5. If a water meter is not installed, the final occupancy inspection cannot be completed.



### METER INSTALLATION AND WATER RATES

All property owners are responsible to pay current water rates once the property is connected to a city water main. Properties serviced with city water are required to have a water meter installed prior to the final occupancy inspection.

Billing will commence when the property is connected to city water on an unmetered/flat rate basis on the date when water is turned on at the property in the following manners:

- 1. "Single" unmetered basis Billing will occur on a flat rate basis until the meter has been installed or the date of the initial plumbing inspection. Flat rates are progressive based on the size of the meter that will be installed, for example 4 cubic metres/day flat rate where a 50mm meter will be installed.
- 2. "Triple" unmetered basis If a meter is not installed at the date of the initial plumbing inspection, billing will change to triple flat rate until the meter has been installed.

To avoid unmetered triple flat rate billings, please ensure that the water meter has been installed before you or your contractor requests a plumbing inspection.



### OWNERSHIP OF WATER METER AND YOUR RESPONSIBILITY

Water meters are owned, installed and maintained by the City of Hamilton. It is a violation of the Waterworks By-law for anyone other than an authorized representative of the City to remove, repair or replace water meters in the City of Hamilton. Owners and contractors are responsible to protect all plumbing, including the water meter, from freezing. Visit hamilton.ca/frozenpipes for tips to reduce the risk of frozen pipes.

Meter Type	Spacer Bar Required		
16mm Displacement	YES		
20mm Displacement	YES		
25mm Displacement	YES		
38mm Displacement	YES		
50mm Displacement	YES		
50mm Turbine	NO		
50mm Compound	YES		
100mm Turbine	YES		
100mm Compound	YES		
100mm Fire Service Turbine	NO		
100mm Fire Service Compound	NO		
100mm Magnetic Flow Meter	NO		
100mm Fire Rated Magnetic Flow Meter	NO		
150mm Turbine	YES		
150mm Compound	YES		
150mm Fire Service Turbine	NO		
150mm Magnetic Flow Meter	NO		
150mm Fire Rated Magnetic Flow Meter	NO		
150mm Fire Service Compound	NO		
200mm Turbine	NO		
200mm Compound	NO		
200mm Magnetic Flow Meter	NO		
200mm Fire Rated Magnetic Flow Meter	NO		
200mm Fire Service Turbine	NO		
200mm Fire Service Compound	NO		
250mm Turbine	NO		
250mm Magnetic Flow Meter	NO		
250mm Fire Rated Magnetic Flow Meter	NO		
250mm Fire Service Turbine	NO		
250mm Fire Service Compound	NO		

## **INSTALLING YOUR WATER METER**



### REQUEST YOUR METER INSTALLATION

- 1. Please call Neptune Technology Group, the City of Hamilton's meter contractor, at 1-800-667-4387 to schedule your meter and touch pad installation.
- 2. If Neptune Technology Group reports that they do not have your meter installation work order on file, email the new build address and permit # to meteroperations@hamilton.ca
- 3. Within 2 business days, Meter Operations will send you a reply with your work order number and the required next steps.
- 4. Have meter installation completed by Neptune Technology Group. If the site is not prepared for the meter installation, a service call fee will be applicable.
- 5. If a water meter is not installed, the final occupancy inspection cannot be completed.



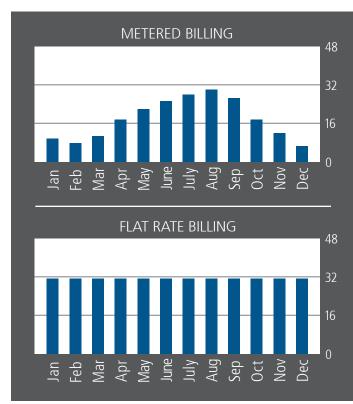
### METER INSTALLATION AND WATER RATES

All residential property owners are responsible to pay current water rates once the property is hooked up to a city water main. Properties serviced with city water are required to have a water meter installed prior to final occupancy inspection.

Billing will commence on the date of the first insulation inspection in one of the following manners:

- a) Metered If a meter is installed, the billing will reflect actual water consumption.
- b) Unmetered If a meter is not installed, billing will occur on a flat rate basis (1 cubic metre per day) until the meter has been installed.

To avoid unmetered flat rate billings, please ensure that the water meter has been installed before you or your contractor requests an insulation inspection.



### OWNERSHIP OF WATER METER AND YOUR RESPONSIBILITY

Water meters are owned, installed and maintained by the City of Hamilton. It is a violation of the Waterworks By-law for anyone other than an authorized representative of the City to remove, repair or replace water meters in the City of Hamilton. Owners and contractors are responsible to protect all plumbing, including the water meter, from freezing. Visit hamilton.ca/frozenpipes for tips to reduce the risk of frozen pipes.



### CITY OF HAMILTON

# PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT Growth Management and Planning Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b))
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Alvin Chan (905) 546-2424 Ext. 2978
SUBMITTED BY:	Tony Sergi Senior Director, Growth Management Planning and Economic Development Department
SUBMITTED BY:	Steve Robichaud Director, Planning and Chief Planner Planning and Economic Development Department

#### RECOMMENDATION

- (a) That the 2020 Tariff of Fees for Planning and Engineering Development Applications, attached as Appendix "A" to Report PED19015(b) be approved and incorporated into the User Fees and Charges By-law, effective May 1, 2020;
- (b) That upon written request to the Director of Planning and Chief Planner by the owner / applicant / agent of a Complex Rezoning and / or Site Plan Control Application submitted and deemed complete between January 1, 2020 and May 1, 2020, staff be authorized and directed to refund any fees paid that are higher than the revised fees, provided said request is received prior to July 1, 2020.

### **EXECUTIVE SUMMARY**

On May 9, 2019, the City passed a comprehensive Planning and Development Engineering Tariff of Fees reflective of Council's direction to achieve full activity-based

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 2 of 10

cost recovery inclusive of overhead costs for all development application related processing.

However, subsequent to the new Tariff of Fees coming into force and effect, staff have noted some administrative issues as it relates to the intent and administration of the fee schedule. Accordingly, staff propose an amendment to the Tariff of Fees as it relates to Complex Rezoning and Site Plan Control Applications pertaining to the per unit and per block fees. In addition, a clarification of fees regarding Official Plan Amendments and Extensions to Draft Approvals is also requested. Staff recommends:

- establishing a cap as it relates to the residential per unit and non-residential per square metre charges for Complex Rezoning Applications;
- removing the notation regarding a "Vertical Development Cap" for Site Plan Control;
- establishing a "Ground Related Development" residential per unit and nonresidential per square metre charge with associated definitions for Site Plan Control;
- clarification regarding the residential per unit and non-residential per square metre charge for Institutional development and for phased developments to ensure that the fee for both Complex Rezoning and Site Plan Control Applications is to be assessed on a per phase of development basis;
- that the in effect Official Plan fee in the Tariff of Fees By-law is for a combined application (i.e. Official Plan Amendment and Rezoning Application) and that the fee for a stand-alone Official Plan Amendment Application is subject to a 25% surcharge to reflect processing costs related to notification, report preparation and statutory requirements; and,
- that the in effect "Extension of a Draft Approved Plan of Subdivision" and "Extension
  of a Draft Plan of Condominium" fees be switched as they were incorrectly identified
  at the time of adoption.

It should be noted that the purpose of the fees associated with "Ground Related Developments" under Site Plan Control is to reflect larger scale developments. Staff propose the same fees as that of a Vertical Development.

However, it is should be noted that in order to ensure the principle that "growth should pay for growth"; and, that the City recovers the cost to review and process large multiphased developments that may take multiple years to proceed from conditional approval to final approval, this particular fee will be re-visited in the future.

### Alternatives for Consideration – See Page 9

### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: The financial impact of the proposed changes may require a partial reimbursement of application fees for Complex Rezoning Applications

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 3 of 10

should a written request be received by the Director of Planning and Chief Planner by July 1, 2020.

As of February 20, 2020, the City has received 17 Complex Rezoning Applications since the Tariff of Fees took effect (May 9, 2019). In review, 12 of 17 applications were subject to the residential per unit and non-residential per square metres charges.

As it relates to the application submitted in 2020, the work to date that has been completed by staff relates primarily to the circulation of the application. They remain in circulation and review; therefore, there is no lost staff time or revenues as result of the recommended reimbursements should the applicant / owners make a written request in the allotted time frame.

The proposed 2020 Planning and Economic Development Department budget was prepared based on the in-effect fee by-law. It was assumed that Complex Rezonings would be for 25 units or less per application; and, as such, the proposed changes to the fee by-law will not affect the Planning and Economic Developments proposed 2020 budget.

The cost to process "Ground Related Developments" will be recovered based on the proposed changes to the fee schedule and the proposed residential per unit and non-residential per square metre charge, subject to the recommended definitions and clarifications.

As noted, this fee will be re-visited in the future to ensure that the City recovers the cost to review and process large multi-phased developments that may take multiple years to proceed from conditional approval to final approval.

Clarification of the applicability and calculation of the residential per unit and non-residential per square metre charge on a per development phase basis and inclusion of Institutional developments will ensure that the principle of "Growth Pays for Growth" is applied to all developments including multi-phased development.

Staffing: This Fee Review reflects the current level of service; no enhancements are proposed.

Legal:

Statutory authority to impose a tariff of fees for Planning Applications is granted to the City of Hamilton through Section 69 of the *Planning Act*. Municipalities are required to pass by-laws for the purpose of collecting

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 4 of 10

fees related to the processing of Planning Applications. No notice is required to be given under the *Planning Act*, however, an applicant may pay the fee under protest and appeal to the Local Planning Area Tribunal (LPAT) formerly the Ontario Municipal Board (OMB).

### HISTORICAL BACKGROUND

Effective May 9, 2019, a revised Tariff of Fees By-law was passed by Council to implement the results of the Department's planning and development fee review. Report PED19015(a) contained the results of the fee review along with stakeholder and public consultation on the proposed revised fees.

A new fee was added to Complex Rezoning Applications with respect to applying a residential per unit charge and a non-residential per square metre charge, in order to reflect the time and work required to review larger scale developments.

However, a cap on the residential per unit and non-residential per square metre charge was not included.

With respect to Site Plan Control, clarity is provided with respect to the calculation of the residential per unit and non-residential per square metre charges as it pertains to phased development under the Site Plan Control fee. Additionally, the notation regarding a vertical development cap is proposed to be removed.

For larger scale Ground Related Developments, staff recommend the same residential per unit and a non-residential per square metre charge.

Of note, this fee will be re-visited in the future to ensure the principle of "Growth Pays for Growth" in that the City recovers the cost to review and process large multi-phased developments that may take multiple years to proceed from conditional approval to final approval.

For both Complex Rezoning and Site Plan Control Applications, the non-residential per square metre charge is proposed to apply to Institutional developments such as a nursing homes or retirement homes, based on the proposed number of units.

Moreover, the per unit and per square metre charges are to be applied per phase of the development. Corresponding changes / clarifications for both the Complex Rezoning and Site Plan Control Applications will be required.

Historically, a 25% reduction has been applied to the Official Plan fee for combined applications. This is because there were efficiencies in the work involved in reviewing the submitted materials, notice and preparation of the staff report. For ease of

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 5 of 10

administration, the 2019 Fee By-law established an Official Plan Amendment that reflected the 25% combined application fee reduction. To clarify matters, it is necessary to revise the note to address stand-alone Official Plan Amendment Applications, and the required 25% fee surcharge to ensure that "Growth Pays for Growth."

Lastly, as mentioned previously, at the time of adoption of the Tariff of Fees on May 9, 2019, the Draft Plan Extension fee for a Draft Plan of Condominium and Subdivision were inadvertently switched and therefore require amendment.

### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

N/A

### **RELEVANT CONSULTATION**

This most recent fee analysis was completed by the Growth Management and Planning Division based on information from previous consultation with the Building Division; Transportation Planning and Parking Division; and, Public Works Department - Hamilton Water and Corridor Management.

With respect to public consultation, the development industry identified concerns at Development Industry Liaison Group ("DILG"); and, also individually, as it pertained to there being no upper limit to the Complex Rezoning Fee. The provided presentation was circulated to DILG identifying the proposed amendments to address this concern.

### ANALYSIS AND RATIONALE FOR RECOMMENDATION

Section 69 of the *Planning Act* allows municipalities to impose fees through by-law for the purpose of processing Planning Applications. In determining the associated fees, the *Planning Act* requires that:

"The Council of a Municipality, by by-law, and a Planning Board, by resolution, may establish a tariff of fees for the processing of applications made in respect of Planning matters, which tariff shall be designed to meet only the anticipated costs to the Municipality or to a Committee of Adjustment or Land Division Committee constituted by the Council of the Municipality or to the Planning Board in respect of the processing of each type of application provided for in the tariff."

Per By-law No. 19-108, new fee line items were added to the Complex Rezoning Applications with respect to a residential per unit and a non-residential per square metre charges. These line items were added in order to reflect the time and work required to review larger scale developments.

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 6 of 10

However, it is noted that caps on the residential per unit and non-residential per square metre charges were not included as part of By-law No. 19-108, resulting in inflated and inaccurate fees being required. Accordingly, staff propose the following changes:

### **Complex Rezoning Applications**

- Residential \$540 per unit charge shall apply after the tenth unit, up to a maximum of 50 additional residential units (i.e. Units 11 to 60, inclusive);
- Industrial Application base fee plus per square metre charge (\$8 / square metre) up to a maximum of \$60,000;
- Commercial Application base fee plus per square metre charge (\$8 / square metre) up to a maximum of \$60,000; and,
- Institutional \$540 per unit charge shall apply after the tenth unit, up to a maximum of 50 additional residential units (i.e. units 11 to 60, inclusive).

Hamilton's neighbourhoods are, by and large, regarded as stable, but not static. These neighbourhoods will see some physical change over time, and will evolve as older residents move out, younger residents and families move in, homes are renovated or rebuilt, infill development occurs, commercial areas are invigorated, or underutilized commercial areas redeveloped. Residential intensification within Neighbourhoods is part of the evolution of a neighbourhood and can happen at a range of scales and densities.

Similarly, residential intensification is a key component of Hamilton's growth strategy and is essential to meet our growth and employment targets. Intensification ensures land, urban services and the transportation network are used more efficiently, and sufficient population is maintained to support existing community facilities.

Successfully accommodating more residents within the existing built-up area reduces the need for development of greenfield lands and urban boundary expansions. Intensification contributes to creating and maintaining vibrant neighbourhoods, nodes and corridors and can provide a wider range of housing types to meet the housing needs of Hamilton's current and future population.

Accordingly, the inclusion of the first ten units within the base fee of the Complex Rezoning Application will encourage and facilitate infill and intensification development. Moreover, by building in the first ten units into the base fee, it also supports a greater variety of development types including, but not limited to, small scale block or street townhouse developments and / or walk-up apartments, known colloquially as the "Missing Middle".

With respect to the capping of Industrial and Commercial per square metre charges at \$60,000, this would facilitate an industrial or commercial building of approximately 80,000 square feet based on the current charge.

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 7 of 10

Inclusion of this cap sets a fee that is more representative of, and consistent with, the size and scale of industrial or commercial development proposals.

Additionally, for clarity purposes, staff will include notation whereby the requisite residential per unit and non-residential per square metre charges shall apply to each phase of a development.

Furthermore, a notation will be included with respect to the definition of a unit, whereby any habitable room enclosed by four walls shall be deemed to be a unit, regardless of any Ontario Building Code definitions; and, this charge shall also apply to Institutional development proposals.

In light of the above, the proposed caps and clarifications will ensure that the City achieves full activity-based cost recovery inclusive of overhead costs for Complex Rezoning Application processing.

The proposed amendments will encourage and facilitate intensification in accommodating more residents within the existing built-up area, reducing the need for development of greenfield lands and urban boundary expansions.

It also provides opportunities for infill development, as over time, a neighbourhood will evolve as older residents move out, younger residents and families move in, homes are renovated or rebuilt, infill development occurs, commercial areas are invigorated, or underutilized commercial areas redeveloped.

Lastly, the non-residential charges will ensure a fee reflective of the size and scale of a typical industrial or commercial development proposals.

#### **Site Plan Control Applications**

In review of the existing Site Plan Control fees, staff propose the removal of the notation regarding "Vertical Development Cap" of \$35,000, as it is not necessary given these line items already include caps, being a maximum charge up to 50 residential units; 5,000 square metres for Industrial; 50,000 square metres of Commercial.

Of note, there is currently no reference to Institutional uses within the Site Plan Control Application fee structure under the non-residential line item. As such, for clarity purposes, the per unit charge shall apply to Institutional uses with similar notation to that of the Complex Rezoning with respect to the definition of a unit. Any habitable room enclosed by four walls shall be deemed to be a unit, regardless of any Ontario Building Code definitions.

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 8 of 10

In order to capture larger scale "Ground Related Developments", as per the proposed definition below, staff recommend that the same residential per unit charge of \$957 for the first ten units and \$575 for units 11 to 50 be applied.

Similarly, for Non-Residential, staff recommend that the same per square metre charge of \$8.15 per square metre to a maximum of 5,000 m<sup>2</sup> for industrial and 50,000 m<sup>2</sup> for commercial be applied for Ground Related Development. In order to facilitate the above, the following definition shall be included as a note under Site Plan Control.

Ground Related Development shall include the following built forms of development:

- Single Detached Dwelling
- Semi-Detached Dwelling;
- Duplex and Triplex;
- Block Townhouse Units including Parcels of Tied Land (POTL's);
- Stacked Townhouse Units;
- Maisonette (back-to-back) Units; and,
- Non-Residential (ICI) Ground Related Developments.

Additionally, for clarity purposes, the requisite residential per unit and non-residential per square metre charges shall now apply to each phase of a development.

As noted above, this fee will be re-visited in the future to ensure the principle of "Growth pays for Growth" in that the City shall recover the cost to review and process large multi-phased developments that may take multiple years to proceed from conditional approval to final approval.

In light of the above, the proposed caps; new fees; and, definitions / clarifications will ensure that the City achieves full activity-based cost recovery inclusive of overhead costs for Site Plan Control Application processing.

#### Official Plan Amendment Applications

Historically, a 25% reduction has been applied to the Official Plan fee for combined applications. This is because there were efficiencies in the work involved in reviewing the submitted materials, notice and preparation of the staff report.

For ease of administration, the 2019 Fee By-law established an Official Plan Amendment that reflected the 25% combined application fee reduction.

To clarify matters, it is necessary to revise the note for stand-alone Official Plan Amendment Applications, as they are not subject to the 25% discount, and shall

# SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 9 of 10

therefore pay the appropriate fee to ensure that "growth pays for growth" with respect to stand-alone Official Plan Amendments.

#### **Draft Plan Extension Applications**

The 2019 Fee By-law established incorrect fees with respect to the Extension of a Draft Plan of Subdivision and Draft Plan of Condominium. The two fees were inadvertently switched at the time of adoption; and therefore, necessitate a correction.

#### **ALTERNATIVES FOR CONSIDERATION**

With respect to recommendations (a) and (b), Council could maintain the current fees and notations as established under By-law No 19-108. This is not recommended by staff, as the purpose of this most recent fee review was a result of overcharging due to not having appropriate caps and fees which led to inflated and inaccurate fees being required for Complex Rezoning Applications.

In addition, the current development application fees are not reflective of Council's direction to achieve full activity-based cost recovery inclusive of overhead costs for all development application related processing.

In order to capture larger scale "Ground Related Developments", staff recommend inclusion of the same residential per unit and non-residential per square metre charge as Vertical Developments.

Lastly, the incorrect stand-alone Official Plan Amendment and Draft Plan Extension fees would remain in place; and, therefore, would not be reflective of Council's direction to achieve full activity-based cost recovery inclusive of overhead costs for all development application related processing.

### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

#### **Community Engagement and Participation**

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

### **Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

SUBJECT: Proposed Amendment to the Tariff of Fees for Planning and Engineering Development Applications (City Wide) (PED19015(b)) - Page 10 of 10

## APPENDICES AND SCHEDULES ATTACHED

Appendix "A" - Proposed Tariff of Fees for Complex Rezoning and Site Plan Control Development Applications

AC:sd

# SCHEDULE "A" To By-law No. 20-XXX Planning and Economic Development Department 2020 Fees (Effective May 1, 2020)

PL	ANNING FEES		Fees Effective May 1, 2020
1	Official Plan Amendment and/or Zoning Bylaw Amendment to establish a New Pit or Quarry (In addition to base fee, the owner/applicant shall bare any and all cost pertaining to Peer Reviews and for an Aggregate Advisor, if required)	\$	138,330
2	Pit or Quarry – Expansion (In addition to base fee, the owner/applicant shall bare any and all cost pertaining to Peer Reviews and for an Aggregate Advisor, if required)	\$	55,340
3	Official Plan Amendment (Urban Boundary Expansion) (comprised of Phase 1 and Phase 2 fee)  a) Phase 1 - Services up to City Council Report	\$	69,645
	b) Phase 2 – Services subsequent to Council Resolution approval	\$ \$	57,670 11,975
4	Official Plan Amendment (Rural or Urban) <sup>1</sup> (comprised of Phase 1 and Phase 2 fee)	\$	33,271
	a) Phase 1 – Services up to City Council Report	\$	19,647
	b) Phase 2 – Services subsequent to Council Resolution approval	\$	13,624
	c) Recirculation with no advertising required	\$	1,139
	d) Public Notice recirculation due to cancellation of a Public Meeting by the applicant or agent	\$	1,139
	e) Advertising (minimum charge, if applicable)	\$	1,465
	f) Amended application with public consultation	\$	4,051
	g) Non-Profit Affordable Housing (Fees waived subject to eligibility as outlined on application form) <sup>5</sup>		Fees Waived <sup>5</sup>
5	Rezoning Application, 1,2 a) Routine	\$	24,109
	b) Secondary Suites	\$	6,027
	c) Complex (comprised of Phase 1 and Phase 2 fee and includes first 10 units) 1, 8,9	\$	35,054
	i) Complex Phase 1 - Services up to City Council Report	\$	23,627
	ii) Complex Phase 2 - Services subsequent to Council Resolution approval	\$	11,427
	iii) Plus Residential per unit Fee after the 10th unit up to a maximum 50 additional units (Units 11 - 60) 8,9	\$	540
	iv) Plus Non-Residential per square metre charge up to a maximum 5,000 Square Metres <sup>9</sup>	\$	8
	d) Public Notice recirculation due to cancellation of a Public Meeting by the applicant or agent	\$	1,139
	e) Advertising (minimum charge, if applicable)	\$	1,465
	f) Severance of Surplus Farm Dwelling	\$	8,868
	g) Amended applications with Circulation	\$	2,026
	h) Recirculation	\$	2,026
	i) Removal of a 'H' Holding Provision	\$	3,868
	j) Removal of a 'H' Holding Provision (Downtown)	\$	5,634
	k) Supplementary Report Fee	\$	4,500
	I) Non-Profit Affordable Housing (Fess waived subject to eligibility as outlined on application form) <sup>5</sup>		Fees Waived <sup>5</sup>
	Note: Fee amounts shall be based on fees that are in effect on the date of final approval.		
6	Site Plan Control		
	a) Full Application (plus applicable per unit or per square metre charge)	\$	24,137
	i) Agricultural Uses - 1/2 of Applicable Fee <sup>6</sup> (plus applicable per unit or per m <sup>2</sup> charge) (DAR)	\$	12,069
	b) Amendment to an Approved Site Plan (plus applicable per unit or per square metre charge)	\$	14,097
	i) Agricultural Uses - 1/2 of Applicable Fee <sup>6</sup> (plus applicable per unit or per m <sup>2</sup> charge) (SPAR)	\$	7,049
	c) Minor Application (plus applicable per unit or per square metre charge)	\$	13,406
	i) Agricultural Uses - 1/2 of Applicable Fee <sup>6</sup> (plus applicable per unit or per m <sup>2</sup> charge) (MDAR)	\$	6,703
	d Preliminary Site Plan Review	\$	11,244
	e) Resubmission (on the 4 <sup>th</sup> occasion and thereafter)	\$	750
	f) Site Plan Approval Extension		

# Appendix "A' to Report PED19015(b) Page 2 of 5

		•	054
	i) 3 month	\$	651
	ii) 6 month	\$ \$	702 1,049
	iii) 9 month		1,605
۵)	iv) 1 year  1 & 2 Family Residential on the Hamilton Beach Strip (outside of Heritage Conservation District) (DAB)	\$ ¢	9,409
g) h)	1 & 2 Family Residential within or contiguous to Major Open Space Areas, Environmentally Sensitive Areas or	Ψ	50% of
,	Provincially Significant Areas (as designated in the Official Plan)		Applicable Fee
i)	Plus per unit Residential charge for first 10 units for Vertical Developments including Institutional 8,9	\$	957
j)	Plus per unit Residential charge for additional units (11-50 units to a max of 50 units) for Vertical Developments	_	
1.1	including Institutional <sup>8,9</sup>	\$	575
k)	Plus per square metre charge for new gross floor area for non-residential developments, prior to the Issuance of final site plan approval to a maximum of 5,000 m2 for industrial and 50,000 m2 for commercial for Vertical Developments <sup>9</sup>	\$	8.15
I)	Plus per unit Residential charge for first 10 units for Ground Related Developments including Institutional Uses <sup>7,8</sup> .		
٠,	9	\$	957
m)	Plus per unit Residential charge for next 40 units for Ground Related Developments including Institutional Uses	. '	
,		\$	575
n)	(11 to 50 units) <sup>7,8,9</sup> Plus per square metre charge for new gross floor area for non-residential developments, prior to the Issuance of final	\$	8.15
	site plan approval to a maximum of 5,000 m2 for industrial and 50,000 m2 for commercial		
0)	1 & 2 Family Residential, including accessory buildings and structures, decks, and additions	\$	2,320
2)	on properties within the Existing Residential (ER) Zone in Ancaster (DAER)  Non-Profit Affordable Housing (Fees waived subject to eligibility as outlined on application form) <sup>5</sup>		Fees Waived <sup>5</sup>
p)	Non-Front Anordable Housing (Fees waived subject to engining as oddinied on application form)		i ees waiveu
No	te: Fee amounts shall be based on fees that are in effect on the date of final approval.		
Pla	ns of Subdivision <sup>1</sup>		
a)	Subdivision Application	\$	49,119
	i) Plus Addition Per Unit charge (0 - 25 units)	\$	496
	ii) Plus Addition Per Unit charge (26 - 100 units)	\$	270
	iii) Plus Addition Per Unit charge (101 units +)	\$	216
	iv) Plus Addition Per Block charge	\$	841
b)	Recirculation of revisions	\$	1,816
c)	Revision – Draft Plan approved		
	i) Minor Revisions	\$	1,180
	ii) Major Revisions	\$	36,832
d)	Extension – Draft Plan approved	\$	870
e)	Maintenance (File over 3 years old)	\$	495
f)	Advertising (minimum charge, if applicable)	\$	1,465
g)	Amended Application with public consultation	\$	7,768
h)	Non-Profit Affordable Housing		25% Reduction <sup>5</sup>
,	(Fees reduced by 25%, subject to eligibility as outlined on application form) <sup>5</sup>		2070 1100000011
I)	Street Lighting Review and Evaluation	\$	6,422
ъ.	ro 1 · · · 1		
	on of Condominium <sup>1</sup>	¢	10.000
a)	Construction – with Public Process	\$	18,000
<b>b</b> )	i) Plus Addition Per Unit charge	\$	75
b)	Construction – without Public Process	\$	14,993
۵\	i) Plus Addition Per Unit charge	\$	75
C)	Condominium Conversions	\$	26,140
۹/	i) Plus Addition Per Unit charge	\$	100
d)	Recirculation	\$	1,110
e)	Revision  Maintenance Fee (File over 2 years old)	\$	1,195
f)	Maintenance Fee (File over 3 years old)	\$	460 1.265
g)	Exemption	\$	1,265
h)	Extension	\$	510
i)	Non-Profit Affordable Housing		25% Reduction <sup>5</sup>
	(Fees reduced by 25%, subject to eligibility as outlined on application form) <sup>5</sup>		

9	Part Lot Control Application	\$	2,525
	i) Plus per Lot/Unit/Part	\$	230
	ii) Plus per Unit Finance Fee (only collected if a new parcel of land is created)	\$	18
	iii) Extension	\$	1,075
10	Consent Application		
	a) Land Division Consent Fee		
	i) Fully Serviced Lot	\$	2,845
	ii) Property serviced by well / cistern	\$	2,860
	iii) Additional fee plus Base Fee where no sanitary sewer exists or if services are new to the area	Φ.	274
	and any existing house is still serviced by a septic system.	\$	374
	b) Recirculation	\$	190
	c) Deed Certification	\$	220
	d) Deferral or Extension	\$	65
	e) Validation of Title	\$	450
	f) Plus per Unit Finance Fee (collected if a new parcel of land is created)	\$	18
11	Minor Variance	\$	3,302
	a) Routine Minor Variance (applies to pools, decks, sheds, accessory buildings, porches, eave projections and		
	recognizing legal non-complying situations)	\$	595
	b) Variance(s) required "after the fact"	\$	4,119
	c) Recirculation	\$	275
12	Formal Consultation (Fee will be credited to any required future application) <sup>3</sup>	\$	1.200
13	Sign Variance	\$	595
14	Sign Erected, Located and/or Displayed without a Permit	\$	1,265
15	Neighbourhood Plan or Modified Neighbourhood Plan Preparation	\$	2,290
16	Property Reports (respecting Official Plan, Zoning, Rental Housing Protection, Heritage Designation)	\$	179
17	MECP Environmental Compliance Approval Administration Fee (Plus HST)	\$	2,290
18	Cash in Lieu of Parking Administration Fee (Plus HST)	\$	520
19	Environmental Sensitive Areas Impact Evaluation Group (ESAIEG)	\$	390
20	Record of Site Condition Administration Fee (Plus HST)	\$	400
21	Peer Review of Special Studies Administration Fee (Plus HST) Tree Protection		Consultant Fee
22	a) General Vegetation Inventory Review	\$	365
	b) Tree Protection Plan Review	\$	605
		Ψ	003
23	Other Fees a) Records Search <sup>4</sup> (Plus HST)	¢	).E
	b) Photocopying Fee - per page (Plus HST)	\$ \$	25 0.50
	b) Filotocopying Lee - per page (Filos 1131)	φ	0.30

#### 24 Local Planning Appeals Tribunal

In addition to the fees set out above in sections 1., 2., 4., 5., 7., 8., 10 and 11, the total fees payable shall include all fees associated with supporting an applicant at a hearing where the application was approved by City Council including City legal fees, City staff fees, outside legal counsel and consultant/witness fees where required, but excluding the cost of the Planning and Economic Development Department staff. These additional fees shall be collected through the process set out in a cost acknowledgement agreement which must be signed and submitted as part of the applications identified in sections 1., 2., 4., 5., 7., 8., 10 and 11.

- 1 Joint Application Where applications are made for an Official Plan Amendment, Zoning By-law Amendment, Approval of a Draft Plan of Subdivision or Condominium Description, or any combination thereof, the total fees will be reduced by 25%. However, the Official Plan Amendment Fee (Urban/Rural) includes the 25% joint application reduction; therefore, a stand-alone application for Official Plan Amendment is not eligible for the 25% reduction, and the required must be adjusted accordingly.
- 2 Rezoning For the purposes of fees, there are three (3) types of rezoning applications: Routine, Secondary Suites and Complex. When an application is submitted, the following guidelines are used to determine the type of application:

#### Routing

- Applications to add one specific use (i.e. that does not change the zoning district); or
- Applications to reduce yard requirements or modify other district or zone requirement (i.e. only one requirement); or
- Applications to rezone three (3) single detached dwelling lots or less; or
- Applications to extend a "temporary use".
- . Secondary Suites Applications to add a secondary suite (dwelling unit) to an existing residential dwelling.
- Complex All other Applications.
- 3 Formal Consultation fee is not credited towards Minor Variance or Consent application fee.
- 4 Records Search fee is charged at a rate of \$25.00 plus HST per 15 minutes with a minimum charge of \$25.00 plus HST.
- 5 Fees or payments required by any Conditions of Approval remain in effect.
- 6 Excluding proposed developments related to the Cannabis Industry.

- 7 Ground Related Development is defined as singles; semi-detached; duplex/triplexes; block/street townhouses including POTL's; stacked townhouses; maisonettes (back-to-back) units; and non-residential ground related development (ICI)
- 8 For the purpose of the Tariff of fees, a unit is defined as any habitable room enclosed by four walls, regardless of any Ontario Building Code definitions
- 9 The per unit and per square metre charges are applicable to each phase of the proposed development

GR	ROWTH MANAGEMENT FEES		s Effective ny 1, 2020
1	Subdivision Agreement Preparation		
•	a) Subdivision Agreement Preparation - New Process	\$	3,995
	b) Subdivision Agreement Preparation - Old Process	\$	3,760
	c) Minor Revision to Subdivision Agreement	\$	473
	d) Major Revision to Subdivision Agreement	\$	950
	e) Subdivision (or any other type of) Agreement Amendment	\$	1,075
2	Special Agreements		
	a) External Works Agreement Preparation	\$	5,060
	b) Special Sewer Service Agreement	\$	4,310
	c) Special Water Service Agreement	\$	4,310
	d) Joint Sewer/Water Service Agreement	\$	4,310
	e) Consent Agreement	\$	4,310
	f) Consent Agreement with warning clauses only	\$	2,155
	h) Shoring Agreement and Drainage Review	\$	8,055
	I) Pre-Service Agreement	\$	4,310
	j) Pre-Service Agreement Addition Cost per unit	\$	36
	k) Pre-Grading Agreement	\$	4,310
	Pre-Grading Agreement Phased / Staged Construction	\$	2,255
3	Design Review Engineering		
	a) Engineering Review Fee	\$	3,805
	b) Engineering Review Fee - Additional Cost per Unit / Residential	\$	285
	c) Engineering Review Fee - Additional Cost / Hectare / Non Residential	\$	275
	d) MOEP Sewer Application Process (ECA Review Fee)	\$	1,100
	e) Amend Water Licence Process f) Resubmission of Engineering Drawings for review and approval (per page)	\$ \$	2,995 405
	Review of Special Study Administration Fee (Note: for special studies including but not limited to Karst,	Ψ	400
	g) Geomorphology, Hydrology, Traffic etc.)	\$	1,680
	h) Construction Management Plan	\$	5,913
	Engineering Design Review is a fixed cost which includes 3 submissions of Engineering drawings. Fourth ar subsequent submissions will be subject to applicable revision	nd	
	2 Design review fee shall be applied to each and all phases of servicing of the draft plan of subdivision.		
4	Construction Engineering Supervision	- UCT	0.00/
	<ul> <li>a) Engineering Construction Supervision- for the first &lt; \$1,000,000 of construction value, minimum of \$10,000, Plu</li> <li>b) Engineering Construction Supervision- for the next \$ 1 Million - \$2 million of construction value, Plus HST</li> </ul>	S 11 5 1	6.0% 5.0%
	<ul> <li>b) Engineering Construction Supervision- for the next \$1 Million - \$2 million of construction value, Plus HS1</li> <li>c) Engineering Construction Supervision - for the construction value over \$2 million, Plus HST</li> </ul>		4.0%
	d) Engineering Construction Revision Fee ( Resubmission Review Fee, price per page) - As Built Drawings	\$	405
	e) Subdivision Security Reduction Fee (for fourth and subsequent security reduction request), Plus HST	\$	335
	f) Review and Inspection for Rehabilitation or Replacement of Existing Sewer Service (Video Inspection), Plus HS	ST \$	460
5	Final Approval		
	a) Final Approval and Registration Fee (Subdivision)	\$	1,545
	b) Final Approval and Registration Fee (Condominium)	\$	1,545
6	Advance on Pre-Grading a) Advance on Pre-Grading (2% of Construction cost with a min of \$2,000 to a max of \$5,000)		2.0%
7	Lot Grading		
	a) Lot Grading Acceptance inspection per unit (single and semi), Plus HST	\$	500
	b) Lot Grading Acceptance inspection per multi-unit block (3 - 8 units), Plus HST	\$	1,019
	c) Lot Grading Service Connection Applications	\$	3,726
		•	-1

	d) Lot Grading Re- inspection fees (3rd and subsequent), Plus HST	\$	225
8	Sanitary Sewer and Water Drawing Review Fee		
	a) Sewer and Water Drawing Review Fee- for Site Plans Major	\$	1,710
	b) Sewer and Water Drawing Review Fee - for Site Plans Minor	\$	860
9	Small Service Water Permit Inspection Fee (Less than 100mm diam.)		
	a) Small Service Permit - Administration Fee (Sewer Water Permits, WTR, SAN, STM, SAN & STM), Plus HST	\$	185
	b) Small Service Permit - Water Inspection (Sewer Water Permits, WTR, SAN, STM, SAN & STM), Plus HST	\$	565
	c) Small Service Water Permit - Additional Cost per metre of Service(Sewer Water Permits), Plus HST	\$	10
10	Large Service Water & Sewer Permit Inspection Fee (100mm diam. and larger)		
	a) Large Service Water & Sewer Permit - Administration Fee (Sewer Water Permits), Plus HST	\$	185
	b) Large Service Water & Sewer Permit - Water Inspection & Testing (Sewer Water Permits), Plus HST	\$	705
	c) Large Service Water & Sewer Permit - Additional Cost per metre of Service (Sewer Water Permits), Plus HST	\$	10
11	Site Plan		
	a) Site Plan Grading Inspection, Plus HST	\$	3,330
	b) Minor Site Plan Per Inspection ( Final Site Plan Inspection = Grading Inspection ), Plus HST	\$	325
	c) Site Plan Security Reduction Fees (for second and subsequent security reduction request), Plus HST	\$	335
	d) After Hours Inspection Fee (Minimum 4 hours), Plus HST	\$	365
12	Site Alteration		
	a) Site Alteration Process - review and circulate plans - Residential	\$	924
	b) Site Alteration Process - review and circulate plans - Non-residential	\$	2,840
	c) Site Alteration Process - per plan type on 4th submission and thereafter	\$	675
13	Municipal Service Extension Flat Rate Fees		
	a) Sanitary Sewer / Unit	\$	7,945
	b) Storm Sewer / Unit	\$	9,280
	c) Watermain / Unit	\$	5,570
14	Miscellaneous Fees		
	a) Street Lighting Review and Evaluation	\$	6,422
	<ul><li>b) Municipal Street Number Request</li><li>c) Street Name Change</li></ul>	\$ \$	359 2,370
	d)	\$	1,584
	LPAT Appeal In addition to the fees set out above, the total fees payable shall include all fees associated with supporting an applicant at a hearing where the application was approved by City Council including City legal fees, City staff fees, outside legal counsel and consultant/witness fees where required, but excluding the cost of the Planning and Economic Development Department staff. These additional fees shall be collected through the process set out in a cost acknowledgement agreement which must be signed and submitted as part of the applications identified. Plus HST		
	e) Pay Assurance Administration Fee, Plus HST	\$	5,000
	f) Discharge of Agreements	\$	430
	g) Compliance Requests, Plus HST	\$	125
	<ul> <li>h) Record Search (Fee is charged at a rate of \$25 plus HST. per 15 minutes with a minimum charge of 25 plus HST.)</li> <li>l) Photocopying Fee, per page, Plus HST</li> </ul>	\$ \$	25 0.50
	I) Photocopying Fee, per page, Plus HST	Ψ	0.50



# CITY OF HAMILTON PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT Growth Management Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15)
WARD(S) AFFECTED:	Wards 13 and 15
PREPARED BY:	Guy Paparella (905) 546-2424 Ext. 5807 Alvin Chan (905) 546-2424 Ext. 2978
SUBMITTED BY:	Tony Sergi Senior Director, Growth Management Planning and Economic Development Department
SIGNATURE:	

#### RECOMMENDATION

- (a) That the General Manager of Planning and Economic Development be authorized and directed to maintain "Intervenor" status with the Ontario Energy Board for file EB-2019-0159 in respect of the Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension;
- (b) That it be confirmed that no outside consultants will be retained and therefore no evidence will be submitted in response to Procedural Order #4 of the Ontario Energy Board for file EB-2019-0159 in respect of the Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension;
- (c) That the General Manager of Planning and Economic Development be authorized and directed to file interrogatories and respond to any interrogatories in accordance with the deadlines of Procedural Order #4 of the Ontario Energy Board, for file EB-2019-0159 in respect of the Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension.

SUBJECT: Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15) - Page 2 of 7

#### **EXECUTIVE SUMMARY**

Enbridge Gas Inc. ("Enbridge") has applied to the Ontario Energy Board ("OEB") to construct 10.2 kilometres of 48-inch diameter natural gas pipeline and associated facilities in the City of Hamilton from the Kirkwall Valve Site to the Hamilton Valve Site. The proposed project extends through Wards 13 and 15 of the City of Hamilton.

It is noted that recommendation (a) of the original report PED20053, presented at the February 7, 2020, General Issues Committee meeting was deferred to a future meeting. During this time, staff have had a chance to discuss the OEB process with the OEB Project Advisor for this file and now recommend that "Intervenor" status be maintained per recommendation (a) above.

Since our last Information Update dated March 10, 2020, the OEB has issued Procedural Order #3 on April 2, 2020, attached as Appendix "A" to Report PED20053(a), and Procedural Order #4 on April 7, 2020, attached as Appendix "B" to Report PED20053(a).

In review, Procedural Order #3 established OEB deadlines for submission of Evidence, subsequent deadlines for interrogatories of any submitted evidence, and a deadline for response to the subsequent interrogatories. Per the request of other Intervenors, Procedural Order #4 was issued to extend the deadlines related to the above matters.

In particular, Procedural Order #4 (Appendix "B" to Report PED20053(a)) identifies a deadline for submission of any evidence to the OEB by May 25, 2020.

Correspondingly, Items 2 and 3 of Procedural Order #4, established similarly short deadlines for the submission of interrogatories regarding any evidence submitted; and, for responding to any interrogatories filed to the City.

Given these timelines it is recommended that staff be authorized to review and submit as required and in accordance with the OEB procedure to ensure deadlines are met, as per recommendations (b) and (c). Additional rationale and analysis for this recommendation is provided below.

Alternatives for Consideration – See Page 7

#### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: There are no financial implications of the staff recommendation. However, should Council decide to retain outside consultants, the respective costs have not been budgeted for.

SUBJECT: Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15) - Page 3 of 7

Staffing: The City's participation in the OEB hearing will be through existing City staff with respect to review and submissions; however, staff will not be actively participating at the OEB hearing.

Legal: The OEB has ordered a public oral hearing to consider Enbridge's Leave to Construct Application. As part of its review of this application, the OEB will assess Enbridge's compliance with the OEB's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario.

Legal staff do not have the in-house expertise and experience with this Board, and any active participation at the OEB hearing beyond staff's recommendation would require retaining outside consultants which is not advised given the restrictive timelines imposed by the OEB.

#### HISTORICAL BACKGROUND

On November 1, 2019, Enbridge submitted the Leave to Construct Application related to the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal to the OEB, the Province's energy regulator responsible for ensuring compliance with the Province's environmental guidelines for the location, construction and operation of hydrocarbon pipelines and facilities in Ontario.

The proposed project will be approximately 10.2 kilometres of Nominal Pipe Size ("NPS") 48 natural gas pipeline from an interconnect at the Kirkwall Valve Site to the Hamilton Valve Site through Wards 13 and 15 of the City of Hamilton. Subject to Provincial regulatory review and permits, Enbridge expects to be in service November 1, 2021.

In review, staff presented Report PED20053 at the February 7, 2020, General Issues Committee, whereby recommendation (a) was deferred to a future meeting. During this time, staff have reviewed and provided responses to Procedural Orders #1 and #2 of the OEB, as documented in the Information Update dated March 10, 2020.

Since then, the OEB has issued Procedural Order #3 on April 2, 2020 and Procedural Order #4 on April 7, 2020. Accordingly, staff provides the detailed review and analysis below, and the corresponding recommendations noted above.

SUBJECT: Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15) - Page 4 of 7

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

## **OEB Decision-making Process:**

The OEB is an independent, quasi-judicial tribunal that is regulated by the *Ontario Energy Board Act* (the "Act"). The primary objective of the OEB is to ensure the public interest is served and protected. Any individual or organization planning to construct certain hydrocarbon transmission facilities within Ontario must apply to the OEB for a Leave to Construct prior to construction, pursuant to section 90(1) of the Act.

The OEB's approval for construction of pipelines is conditioned upon compliance with applicable regulatory requirements including design, operation, maintenance, safety, and integrity. The OEB will hold a public oral hearing to consider Enbridge's Leave to Construct Application.

As part of its review of this application, the OEB will assess Enbridge's compliance with the OEB's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario.

The OEB has established the Issues List for the proceeding under Procedural Orders #1 and #2; and, have now requested any new evidence be submitted in accordance with the Issues List. In turn, respective dates for interrogatories and responses are requested under Procedural Orders #3 and #4 of the OEB.

In particular, per Procedural Order #4 (Appendix "B" to Report PED20053(a)):

1. OEB staff and intervenors seeking to file evidence shall do so by submitting the evidence to the OEB and provide a copy to Enbridge Gas and Intervenors no later than May 25, 2020.

Of note, legal staff do not have expertise in these matters nor experience with this Board. Notwithstanding, this would not represent sufficient time to retain outside consultants to complete the necessary review for the submission of any evidence.

As such, per recommendation (b), staff request confirmation that outside consultants will not be retained and therefore no evidence is to be submitted to the OEB.

2. Any party seeking information and material on the evidence filed by OEB staff or an intervenor that is in addition to the evidence filed with the OEB, and that is relevant to this proceeding, shall do so by requesting written interrogatories to be filed with the OEB, and copy all parties by June 8, 2020.

# SUBJECT: Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15) - Page 5 of 7

In accordance with recommendation (c), staff is seeking delegated authority to provide any new interrogatories, based on any evidence submitted to the OEB in response to this part of the Order by the OEB or other parties.

3. Any party that receives interrogatories on their respective evidence shall file with the OEB complete responses to the interrogatories by June 29, 2020.

In accordance with recommendation (c), staff is seeking delegated authority to respond to any interrogatories received.

This Report and the recommendations are therefore provided to address and respond to Procedural Order #4 of the OEB.

#### **RELEVANT CONSULTATION**

The following groups were previously consulted:

- Corporate Services Legal and Risk Management Services Division;
- Healthy and Safe Communities Public Health Services Healthy Environments Division – Health Hazards Section;
- Healthy and Safe Communities Hamilton Fire Department;
- Planning and Economic Development Growth Management Division;
- Planning and Economic Development Planning Division;
- Public Works Engineering Services Division Geomatics and Corridor Management Section; and,
- Public Works Hamilton Water Source Protection Planning Section.

As the OEB established the Issues List, some of the matters previously identified by staff are deemed to be beyond the scope of the hearing. Accordingly, staff have provided interrogatories in response to the existing evidence as filed with the OEB.

Dependent on the evidence submitted by OEB staff and any other Intervenors, the above staff will be re-engaged for review and comment, if required.

#### ANALYSIS AND RATIONALE FOR RECOMMENDATION

As noted above, recommendations (a) of Report PED20053(a) is to address the deferred original recommendation (a) of Report PED20053, that recommended that the City withdraw its "Intervenor" status with the OEB as it pertained to file EB-2019-0159 in respect of the Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension.

# SUBJECT: Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15) - Page 6 of 7

Since this deferral, staff have had time to consult with the OEB Project Advisor for this project who confirmed that maintaining "Intervenor" status does not obligate the City to submit Evidence, as is currently requested under OEB Procedural Order #4 dated April 7, 2020 (see Appendix "B" to Report PED20053(a)). Accordingly, staff have revised their position and have therefore recommend that "Intervenor" status be maintained, per recommendation (a).

The remaining recommendations are based on the items in OEB Procedural Order #4; in particular, there are 3 items to the Order:

1. OEB staff and intervenors seeking to file evidence shall do so by submitting the evidence to the OEB and provide a copy to Enbridge Gas and Intervenors no later than May 25, 2020.

Upon review of the Issues List contained in Procedural Order #1 and #2, and as per recommendation (b), given in-house resources, staff have not identified any evidence to be submitted by the City.

Item 2 of Procedural Order #4 states that:

2. Any party seeking information and material on the evidence filed by OEB staff or an intervenor that is in addition to the evidence filed with the OEB, and that is relevant to this proceeding, shall do so by requesting written interrogatories to be filed with the OEB, and copy all parties by June 8, 2020.

It is anticipated that any and all new evidence filed either by OEB staff or other Intervenors will be available for review shortly after the May 25, 2020, deadline per Item 1 above, with approximately two weeks for staff to review and file any interrogatories in response per Item 2 of the Procedural Order.

Given the limited timeline, recommendation (c) would authorize staff to complete their review and submit any interrogatories directly to the OEB in accordance with the above June 8, 2020 deadline.

Item 3 of Procedural Order #4 states that:

3. Any party that receives interrogatories on their respective evidence shall file with the OEB complete responses to the interrogatories by June 29, 2020.

It is not anticipated that the City will have to respond to any interrogatories given the staff recommendation not to submit any evidence. However, should any interrogatories be directed to the City, staff would have limited time to respond to any interrogatories.

# SUBJECT: Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension and Integrated Resource Planning Proposal (PED20053(a)) (Wards 13 and 15) - Page 7 of 7

Again, this represents a limited timeline and recommendation (c) would therefore authorize staff to reply to any interrogatories directly to the OEB in accordance with the above June 29, 2020 deadline.

Lastly, it should also be noted that the June 29, 2020 deadline would also represent the deadline for Enbridge, OEB staff or an Intervenor to respond to any interrogatories filed by the City on the evidence submitted under Item 2 of the Procedural Order.

#### **ALTERNATIVES FOR CONSIDERATION**

Council could direct staff to withdraw the City's "Intervenor" status with the OEB for file EB-2019-0159 in respect of the Enbridge Gas Inc. Leave to Construct Application for the 2021 Dawn to Parkway Extension.

Upon discussion with the OEB Project Advisor, this is no longer recommended as maintaining "Intervenor" status would allow the City to continue to receive and respond to any new evidence filed with the OEB, with no obligation for the City to retain outside expertise for submission of any evidence.

Council could also direct staff to retain outside consultants for the purpose of the OEB hearing or to ask that staff bring forth any interrogatories and / or responses prior to submission to the OEB. Staff are not recommending either due to time required to complete the submissions and the deadlines imposed by the OEB.

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

#### **Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

#### **Built Environment and Infrastructure**

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

#### APPENDICES AND SCHEDULES ATTACHED

Appendix "A" – Ontario Energy Board Procedural Order #3 – April 2, 2020 Appendix "B" – Ontario Energy Board Procedural Order #4 – April 7, 2020

GP/AC/sd



EB-2019-0159

### Enbridge Gas Inc.

# Application to construct natural gas pipeline and associated facilities in the City of Hamilton

# PROCEDURAL ORDER NO. 3 April 2, 2020

Enbridge Gas Inc. (Enbridge Gas) filed an application with the Ontario Energy Board (OEB) pursuant to section 90(1) and 97 of the *Ontario Energy Board Act 1998*, *S.O. 1998*, *c.15* (*Schedule B*) for leave to construct approximately 10.2 kilometres of 48-inch diameter natural gas transmission pipeline and associated facilities in the City of Hamilton. Enbridge Gas also applied for approval of the forms of easement agreements related to the construction of the proposed project.

In Procedural Order No. 2 and Decision on Issues List dated March 6, 2020, the OEB, among other things, ruled on intervention requests cost award eligibility and on the scope of the proceeding, which was further specified by the approved Issues List. A schedule of procedural steps was provided for parties to file interrogatories and for Enbridge Gas to respond to those interrogatories.

Procedural Order No. 2 also required intervenors to advise the OEB of their interest in filing evidence and to indicate which issues the evidence will address. Green Energy Coalition (GEC), Environmental Defence and Federation of Rental-housing Providers of Ontario (FRPO) indicated their intention to file intervenor evidence on certain issues in the approved Issues List.

The OEB finds that the nature of the planned intervenor evidence, as described by the intervenors who responded to the Procedural Order No. 2, is within the scope of the approved Issues List. The OEB finds it necessary to move to the next phase in the proceeding by allowing parties to file intervenor evidence and for discovery of such evidence through written interrogatories.

**Ontario Energy Board** 

EB-2019-0159 Enbridge Gas Inc.

The OEB expects that intervenors filing evidence will ensure that the evidence is within the scope of the approved Issues List, and will coordinate their efforts to avoid duplication.

As the OEB continues to closely monitor the COVID-19 situation, any new developments that may affect the scheduling of the proceeding will be communicated to parties at that time.

It is necessary to make provision for the following matters related to this proceeding. Further procedural orders may be issued by the OEB.

#### IT IS THEREFORE ORDERED THAT:

- OEB staff and intervenors seeking to file evidence shall do so by submitting the evidence to the OEB, and provide a copy to Enbridge Gas and intervenors no later than May 8, 2020.
- 2. Any party seeking information and material on the evidence filed by OEB staff or an intervenor that is in addition to the evidence filed with the OEB, and that is relevant to this proceeding, shall do so by requesting written interrogatories to be filed with the OEB, and copy all parties by **May 22, 2020.**
- 3. Any party that receives interrogatories on their respective evidence shall file with the OEB complete responses to the interrogatories by **June 5**, **2020**.

All materials filed with the OEB must quote the file number, EB-2019-0159, be made in a searchable/unrestricted PDF format and sent electronically through the OEB's web portal at <a href="https://pes.ontarioenergyboard.ca/eservice">https://pes.ontarioenergyboard.ca/eservice</a>. Filings must clearly state the sender's name, postal address and telephone number, fax number and email address. Parties must use the document naming conventions and document submission standards outlined in the RESS Document Guideline found at <a href="https://www.oeb.ca/industry">https://www.oeb.ca/industry</a>. If the web portal is not available parties may email their documents to the address below.

**NOTE:** The OEB is temporarily waiving the paper copy filing requirement until further notice. All communications should be directed to the attention of the Board Secretary at the address below, and be received no later than 4:45 p.m. on the required date.

### **Ontario Energy Board**

EB-2019-0159 Enbridge Gas Inc.

With respect to distribution lists for all electronic correspondence and materials related to this proceeding, parties must include the Case Manager, Zora Crnojacki at <a href="mailto:Zora.Crnojacki@oeb.ca">Zora.Crnojacki@oeb.ca</a> and Board Counsel, Michael Millar at <a href="mailto:Michael.Millar@oeb.ca">Michael.Millar@oeb.ca</a>.

## **ADDRESS**

Ontario Energy Board P.O. Box 2319 2300 Yonge Street, 27th Floor Toronto ON M4P 1E4

Attention: Board Secretary Email: <a href="mailto:boardsec@oeb.ca">boardsec@oeb.ca</a>

Tel: 1-888-632-6273 (Toll free)

Fax: 416-440-7656

DATED at Toronto, April 2, 2020

#### **ONTARIO ENERGY BOARD**

Original signed by

Christine E. Long Registrar and Board Secretary

EB-2019-0159

# Enbridge Gas Inc.

# Application to construct natural gas pipeline and associated facilities in the City of Hamilton

# PROCEDURAL ORDER NO. 4 April 7, 2020

Enbridge Gas Inc. (Enbridge Gas) filed an application with the Ontario Energy Board (OEB) pursuant to section 90(1) and 97 of the *Ontario Energy Board Act 1998*, *S.O. 1998*, *c.15* (*Schedule B*) for leave to construct approximately 10.2 kilometres of 48-inch diameter natural gas transmission pipeline and associated facilities in the City of Hamilton. Enbridge Gas also applied for approval of the forms of easement agreements related to the construction of the proposed project.

In Procedural Order No. 3 (PO 3) dated April 2, 2020, the OEB provided a schedule of procedural steps for parties to file evidence and for the discovery of evidence through written interrogatories and responses.

By letter dated April 3, 2020, Environmental Defence and Green Energy Coalition (GEC) requested an extension to the date for filing evidence, stating the period in which to review the interrogatory responses of Enbridge Gas would not provide enough time for their experts to prepare evidence. In addition to the number of challenges faced with working remotely amid the current COVID-19 situation, one of their experts is also scheduled to appear as a witness in another proceeding.

The OEB appreciates the effort that Environmental Defence and GEC along with a number of other parties have made in filing interrogatories in advance of the scheduled deadline. The current COVID-19 situation continues to create a number of challenges for parties to work collectively and recognizes that such requests of this nature may be required from time to time. Therefore, the OEB will allow the extension of 20 business days for the filing of evidence.

**Ontario Energy Board** 

EB-2019-0159 Enbridge Gas Inc.

All dates in PO 3 are suspended. A new schedule is set out below.

It is necessary to make provision for the following matters related to this proceeding. Further procedural orders may be issued by the OEB.

#### IT IS THEREFORE ORDERED THAT:

- OEB staff and intervenors seeking to file evidence shall do so by submitting the evidence to the OEB, and provide a copy to Enbridge Gas and intervenors no later than May 25, 2020.
- 2. Any party seeking information and material on the evidence filed by OEB staff or an intervenor that is in addition to the evidence filed with the OEB, and that is relevant to this proceeding, shall do so by requesting written interrogatories to be filed with the OEB, and copy all parties by **June 8, 2020.**
- 3. Any party that receives interrogatories on their respective evidence shall file with the OEB complete responses to the interrogatories by **June 29**, **2020**.

All materials filed with the OEB must quote the file number, EB-2019-0159, be made in a searchable/unrestricted PDF format and sent electronically through the OEB's web portal at <a href="https://pes.ontarioenergyboard.ca/eservice">https://pes.ontarioenergyboard.ca/eservice</a>. Filings must clearly state the sender's name, postal address and telephone number, fax number and email address. Parties must use the document naming conventions and document submission standards outlined in the RESS Document Guideline found at <a href="https://www.oeb.ca/industry">https://www.oeb.ca/industry</a>. If the web portal is not available parties may email their documents to the address below.

**NOTE:** The OEB is temporarily waiving the paper copy filing requirement until further notice. All communications should be directed to the attention of the Board Secretary at the address below, and be received no later than 4:45 p.m. on the required date.

With respect to distribution lists for all electronic correspondence and materials related to this proceeding, parties must include the Case Manager, Zora Crnojacki at Zora.Crnojacki@oeb.ca and Board Counsel, Michael Millar at Michael.Millar@oeb.ca.

**Ontario Energy Board** 

EB-2019-0159 Enbridge Gas Inc.

## **ADDRESS**

Ontario Energy Board P.O. Box 2319 2300 Yonge Street, 27th Floor Toronto ON M4P 1E4

Attention: Board Secretary
Email: boardsec@oeb.ca
Tel: 1-888-632-6273 (Toll free)

Fax: 416-440-7656

DATED at Toronto, April 7, 2020

#### **ONTARIO ENERGY BOARD**

Original signed by

Christine E. Long Registrar and Board Secretary



# CITY OF HAMILTON PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT Growth Management Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	To Incorporate City Lands into Upper Sherman Avenue by By-Law (PED20083) (Ward 7)
WARD(S) AFFECTED:	Ward 7
PREPARED BY:	Sally Yong-Lee 905 546-2424 x1428
SUBMITTED BY: SIGNATURE:	Tony Sergi Senior Director, Growth Management Planning and Economic Development Department

#### RECOMMENDATION

- (a) That the following City Lands designated as Part 2 on Plan 62R-20462, Parts 1 and 2 on Plan 62R-20143, and Part 2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-20487, be established as a public highway to form part of Upper Sherman Avenue;
- (b) That the By-Law to incorporate the City lands to form part of Upper Sherman Avenue be prepared to the satisfaction of the City Solicitor and be enacted by Council;
- (c) That the General Manager of Public Works be authorized and directed to register the By-Law.

#### **EXECUTIVE SUMMARY**

The Owner of 630 and 668 Rymal Road East had made an application through the Committee of Adjustment via Consent Applications HM/B-15:111 and HM/B-15:112, to sever the subject property to delineate the parcel for the Upper Sherman Avenue right of way. As a condition of these Consent Applications, the owner was required to transfer lands to the City for the Upper Sherman road allowance.

# SUBJECT: To Incorporate City Lands into Upper Sherman Avenue by By-Law (PED20083) (Ward 7) - Page 2 of 3

Furthermore, as a condition of Consent Application HM/B-15:112, the owner was required to enter into an External Works Agreement with the City to provide for the construction of the Upper Sherman Avenue extension.

# Alternatives for Consideration - See Page 3

#### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: There are no financial implications arising from this Report.

Staffing: There are no associated staffing implications.

Legal: The City of Hamilton is complying with the relevant legislation by enacting

this By-Law.

#### HISTORICAL BACKGROUND

The Owner of 630 and 668 Rymal Road East had made an application through the Committee of Adjustment via Consent Applications HM/B-15:111 and HM/B-15:112, to sever the subject property to delineate the parcel for the Upper Sherman Avenue right of way. As a condition of these Consent Applications, the owner was required to transfer lands to the City for the Upper Sherman road allowance.

Furthermore, as a condition of Consent Application HM/B-15:112, the Owner was required to enter into an External Works Agreement with the City to provide for the construction of the Upper Sherman Avenue extension.

The Upper Sherman Avenue extension from Rymal Road East southerly to the Hydro Corridor is in accordance with the approved City of Hamilton Chappel East and Broughton West neighbourhood plans.

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

The recommendations do not bind the Corporation to any policy matter.

#### **RELEVANT CONSULTATION**

- Geomatics and Corridor Management of the Public Works Department
- Legal Services Division of the Corporate Services Department

#### ANALYSIS AND RATIONALE FOR RECOMMENDATION

Current Provincial legislation requires a Municipal By-Law passed by Council to incorporate lands into the Municipal public highway system. This Report follows the requirements of that legislation.

#### **ALTERNATIVES FOR CONSIDERATION**

Not incorporating the lands into a public highway to form part of Upper Sherman Avenue would bar legal access to abutting lands.

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

### **Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

### **Healthy and Safe Communities**

Hamilton is a safe and supportive city where people are active, healthy, and have a high quality of life.

#### **Built Environment and Infrastructure**

Hamilton is supported by state-of-the-art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

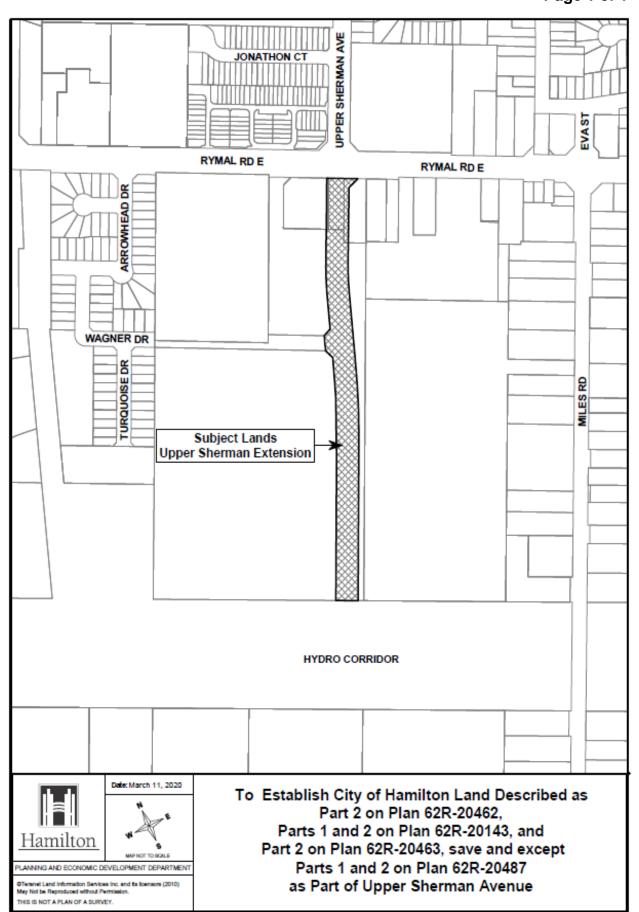
#### APPENDICES AND SCHEDULES ATTACHED

Appendix "A" – Key Location Map

Appendix "B" – By-Law No. XX – To incorporate City lands designated as Part 2 on

Plan 62R-20462, Parts 1 and 2 on Plan 62R-20143, and Part 2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-

20487 as Part of Upper Sherman Avenue.



Bill No.

# CITY OF HAMILTON BY-LAW NO. 20-

To Establish City of Hamilton Land
Described as Part 2 on Plan 62R-20462, Parts 1 and 2 on Plan 62R-20143, and Part
2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-20487 as Part of
Upper Sherman Avenue

**WHEREAS** sections 8, 9 and 10 of the *Municipal Act, 2001* authorize the City of Hamilton to pass by-laws necessary or desirable for municipal purposes, and in particular by-laws with respect to highways; and

**WHEREAS** section 31(2) of the *Municipal Act, 2001* provides that land may only become a highway by virtue of a by-law establishing the highway.

**NOW THEREFORE** the Council of the City of Hamilton enacts as follows:

- 1. The land, owned by and located in the City of Hamilton, described as Part 2 on Plan 62R-20462, Parts 1 and 2 on Plan 62R-20143, and Part 2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-20487, is established as a public highway, forming part of Upper Sherman Avenue.
- 2. The General Manager of Public Works or their authorized agent is authorized to establish the said land as a public highway.
- 3. This By-law comes into force on the date of its registration in the Land Registry Office (No. 62).

PASSED this	day of	, 2020.	
Fred Eisenberge	er	Andrea Holland	_
Mayor		City Clerk	



# CITY OF HAMILTON PUBLIC WORKS DEPARTMENT Transit Division

ТО:	Mayor and Members Committee of the Whole	
COMMITTEE DATE:	April 29, 2020	
SUBJECT/REPORT NO:	Metrolinx Transit Initiative Program (PW20027) (City Wide) (Outstanding Business List Item)	
WARD(S) AFFECTED:	City Wide	
PREPARED BY:	Mark Selkirk (905) 546-2424 Ext. 5968	
SUBMITTED BY:	Debbie Dalle Vedove Director, Transit Public Works Department	
SIGNATURE:	Debbu Dalle Vedove	

#### RECOMMENDATION

- (a) That the participation of the City of Hamilton in the upcoming Metrolinx Transit Procurement Initiative (TPI) for Joint Transit Bus Procurements and other procurements Facilitated by Metrolinx for the years 2020 to 2024, pursuant to a Metrolinx Multi-Year Governance Agreement (M-Y GA) and Terms of Reference (ToR) in a form satisfactory to the City Solicitor and content satisfactory to the General Manager of Public Works be approved; and
- (b) That the Outstanding Business List item pertaining to the "Transit Program Initiative" be removed from the Audit, Finance and Administration Committee Business List.

#### **EXECUTIVE SUMMARY**

The City of Hamilton joined the Metrolinx Transit Procurement Initiative (TPI) agreement in 2008 with Council's approval for the acquisition of the 2008 Transit bus replacement Fleet and has continued to procure Transit buses under subsequent Metrolinx-led tenders. During the 2014-2016 Metrolinx contract, the HSR purchased ninety-seven 40-foot Compressed Natural Gas (CNG) powered buses as part of the Transit fleet

# SUBJECT: Metrolinx Transit Initiative Program (PW20027) (City Wide) - Page 2 of 5

replacement program and the City's Ten-Year Local Transit Strategy. The most recent tender issued by Metrolinx for the years 2017 to 2020 was awarded to Nova Bus, Division of Volvo Group Canada Inc. The City did not participate in this contract. The current contract expired on March 31<sup>st</sup>, 2020. The upcoming Metrolinx TPI is for the years 2020 through to 2024.

City Procurement staff has reviewed with Metrolinx the proposed terms and conditions of the upcoming TPI Request For Proposals (RFP) for buses. The RFP will be constructed such that there is one technical proposal evaluation for the bus, and a separate evaluation for the propulsion system with costing exercises and awards based on the various propulsion systems described in the RFP. City Procurement staff have indicated this is the optimal way to award such a contract.

This award provision would ensure that the HSR receives the best product and price based on the propulsion system ordered.

The consolidating of transit needs achieves economies of scale, collaboration and reduces the time and costs associated with the public procurement process by standardizing the procurement documents thereby allowing transit systems to focus on core competencies.

Furthermore, Metrolinx expressed the possibility of procuring Battery Electric Buses and has indicated that they would begin this work in Q4 2020.

## Alternatives for Consideration – See Page 4

#### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: There is the potential for Transit bus pricing to increase because of (or dependent on) market pressures. The economies of scale achieved through participation as a member of TPI reduces administrative time and financial costs on the part of the City.

Legal: The City will be required to enter into a Multi-Year Governance Agreement (M-Y GA) and Terms of Reference (ToR) with Metrolinx to participate in joint transit procurements. Legal review of the M-Y GA and (ToR) will be required on form as well as content. By signing the M-Y GA, the City will be a member of TPI and eligible to purchase under the terms and conditions of TPI procurement.

Staffing: N/A

- Page 3 of 5

## **HISTORICAL BACKGROUND**

The Transit Procurement Initiative (TPI) program was initiated in 2006 through the Ministry of Transportation of Ontario, and through the transfer of the program to Metrolinx in 2008, was designed to assist Transit Authorities in the Province to procure Transit buses using economies of scale to reduce costs.

The HSR has purchased diesel and CNG powered buses through the Metrolinx led procurements for over a decade. In 2013 Council approved the return to CNG as the primary propulsion source for all transit buses based on environmental concerns and at that time, the volatile cost of diesel fuel. The HSR currently operates 51% (137 buses) of the 267 Transit bus fleet on CNG.

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Participating in the TPI would be in accordance with Procurement Policy #12, Section 4.12 Cooperative Procurements.

#### **RELEVANT CONSULTATION**

The following groups have been consulted and are supportive of the recommendation.

Corporate Services – Procurement Section/Financial Section/Legal Section

### ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

The "at no charge" benefits to the City as a member of the Metrolinx consortium include:

- Industry knowledgeable and experienced TPI staff to develop detailed technical specifications, develop the Request for Proposal (RFP) and manage the procurement process and contract award;
- Enhanced contract terms and product warranties;
- An Evaluation Committee made up of transit participants;
- Cost savings based on economies of scale and standardization of the procurement process.

The above benefits substantially reduce the amount of staff time required to prepare, award, and manage the contract. The construction and management of a standalone RFP issued by the City is time consuming and does not guarantee that contract pricing will be consistent with pricing obtained through the Metrolinx consortium.

In December 2019, Procurement staff reviewed with Metrolinx TPI staff the proposed RFP for 2020-2024 and determined that Metrolinx's proposed RFP is aligned with the

# SUBJECT: Metrolinx Transit Initiative Program (PW20027) (City Wide) - Page 4 of 5

requirements of both Procurement and Transit and has improved upon previous RFP's issued through the TPI.

Funding however for the TPI program has become more restrictive and there will be participation fees implemented for some previous no charge benefits. Based on the number of buses that the HSR will require for replacement and expansion, this fee will top out at \$40,000/year in each contract year that buses are purchased. This participation fee is substantially less than the cost of an additional FTE, and the staff time required, to develop specifications, construct the RFP, participate in the procurement process and manage the contract as required.

The City of Hamilton remains one of the larger municipalities that has continued to participate in the consortium.

The price differential from the 2014/2016 contract to the current contract was over \$100,000/bus. This price differential was also present in the HSR's Single Source procurement of 60' CNG powered buses (PW-18029) as approved by Council on April 16, 2018. Securing the best price and best product is paramount for the HSR to continue to provide excellent customer service in the most cost-effective manner. Over the next 2 years (2020/2021) the HSR will be procuring 73 replacement vehicles. As per the 10-year local transit strategy, and pending council approval, year 5 will require 13 expansion vehicles to be procured in 2020, and Year 6 will require 14 expansion vehicles to be procured in 2021.

#### ALTERNATIVES FOR CONSIDERATION

Council could direct the Transit Division to construct and publish a Request for Proposal (RFP) for the procurement of 30, 40, and 60-foot Compressed Natural Gas (CNG)-powered urban Transit buses. This alternative would also require increased and ongoing assistance from the Procurement section as well as 1 Full Time Employee (FTE) to develop detailed technical specifications, develop the RFP, support the procurement process and manage the contract.

It should be stated that there is no assurance that the price of a bus would differ substantially or at all from vehicles that could have been purchased within the Metrolinx TPI contract and, in fact, could be a higher purchase price.

# ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

#### Clean and Green

Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.

# SUBJECT: Metrolinx Transit Initiative Program (PW20027) (City Wide) - Page 5 of 5

#### **Built Environment and Infrastructure**

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

## **APPENDICES AND SCHEDULES ATTACHED**

N/A



# CITY OF HAMILTON CORPORATE SERVICES DEPARTMENT Financial Planning, Administration and Policy Division

ТО:	Mayor and Members Committee of the Whole
COMMITTEE DATE:	April 29, 2020
SUBJECT/REPORT NO:	Tax and Rate Operating Budget Variance Report as at December 31, 2019 - Budget Control Policy Transfers (FCS19055(b)) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Andreia Bevilacqua (905) 546-2424 Ext. 4190
SUBMITTED BY:	Mike Zegarac General Manager, Finance and Corporate Services Corporate Services Department
SIGNATURE:	

# **RECOMMENDATION(S)**

- (a) That, in accordance with the "Budgeted Complement Control Policy", the 2019 complement transfer transferring complement from one department / division to another with no impact on the levy, as outlined in Appendix "C" to Report FCS19055(b), be approved;
- (b) That, subject to final audit, the Disposition of 2019 Year-End Operating Budget Surplus / Deficit be approved as follows:

SUBJECT: Tax and Rate Operating Budget Variance Report as at December 31, 2019 – Budget Control Policy Transfers (FCS19055(b)) (City Wide) – Page 2 of 16

## Table 1

DISPOSITION / RECONCILIATION OF YEAR-END SURPLUS/ (DEFICIT)	\$	\$
Corporate Surplus from Tax Supported Operations		\$ 14,718,163
Disposition to/from Self-Supporting Boards & Agencies		\$ (2,077,958)
Less: Police (Transfer to Police Reserve)	\$(1,425,221)	
Less: Library (Transfer to Library Reserve)	\$ (706,285)	
Add: Farmers Market (Transfer from Hamilton Farmers Market Reserve)	\$ 53,548	
Balance of Corporate Surplus		\$ 12,640,205
Less: Transfer to Unallocated Capital Levy Reserve		\$ (3,527,594)
Add: Transfer from HEF Capital Project Reserve		\$ 203,999
Less: Transfer to Flamborough Capital Reserve		\$ (456,076)
Less: Transfer to Tax Stabilization Reserve		\$ (8,860,534)
Balance of Tax Supported Operations		\$ -
Corporate Surplus from Rate Supported Operations		\$ 10,242,775
Less: Transfer to the Rate Supported Water Reserve		\$ (5,280,315)
Less: Transfer to the Rate Supported Wastewater Reserve		\$ (4,962,460)
Balance of Rate Supported Operations		\$ -

<sup>\* -</sup>anomalies due to rounding

#### **EXECUTIVE SUMMARY**

Staff has committed to provide Council with three variance reports for the Tax Supported and Rate Supported Operating Budgets during the fiscal year (Spring / Fall / Year-End). This is the final submission for 2019 based on the operating results as of December 31, 2019 (unaudited). Appendix "A" to Report FCS19055(b) summarizes the Tax Supported Operating Budget year-end variances by department and division while Appendix "B" to Report FCS19055(b) summarizes the year-end variances of the Rate Supported Operating Budget by program.

Both the Tax Supported and Rate Supported operations ended the year with positive variances of \$14.7 M and \$10.2 M, respectively. The Tax Supported Operating Budget Surplus of \$14.7 M is composed of City Departments / Other (\$9.1 M favourable), Boards and Agencies (\$2.1 M favourable) and Capital Financing (\$3.5 M favourable). The surplus in Tax Supported Operating Budget is spread across several departments and is related to gapping surpluses, operational efficiencies and increased revenues. For the Rate Supported Operating Budget, the surplus is related to favourable variances from revenues of \$8.6 M, capital financing of \$1.8 M, partially offset by other items totalling about -\$0.2 M.

Additional details are presented in the Analysis and Rationale for Recommendations section of page 5 of Report FCS19055(b).

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Table 2

CONSOLIDATED CORPORATE SURPLUS/ (DEFICIT)	\$
Tax Supported Programs	
Police	\$ 1,425,221
Library	\$ 706,285
Capital Financing	\$ 3,527,594
Other Tax Supported Programs	\$ 9,059,063
Total Tax Supported Surplus	\$14,718,163
Rate Supported Programs	\$10,242,775
Consolidated Corporate Surplus/ (Deficit)	\$24,960,938

The year-end disposition of the \$25 M surplus identified in Table 2 is outlined in Recommendation (b) (Table 1) of Report FCS19055(b).

The City of Hamilton has policies, obligations, future requirements and past practice that guide decisions around the disposition of the year-end operating budget surplus. This disposition of the 2019 surplus is highlighted below.

Tax Supported Operating Budget Variances:

- Year-end variances for Police, Library and Farmers' Market to be allocated to and from their own source reserves as per their policies.
- Future Capital Infrastructure Requirements Capital Financing savings of \$3.5 M to be transferred to the Unallocated Capital Levy Reserve for future capital infrastructure requirements.
- Slot Revenues Past Practice Slot revenue surplus of \$456 K to be transferred to the Flamborough Capital Reserve Fund.
- Hamilton Entertainment Facilities HEF Program deficit of -\$204 K to be funded from the Hamilton Entertainment Facilities Capital Projects Reserve.

SUBJECT: Tax and Rate Operating Budget Variance Report as at December 31, 2019 – Budget Control Policy Transfers (FCS19055(b)) (City Wide) – Page 4 of 16

The remainder of the tax supported operating budget surplus is recommended to be transferred to the Tax Stabilization Reserve. During the 2020 Budget, Council approved two items to be funded from this reserve, funding year five of the 10-Year Transit Strategy in the amount of \$990 K and one-time funding in the amount of \$400 K for Hamilton Paramedic Services. The Tax Stabilization Reserve will also potentially be an essential component in financial plans to offset the impacts of the COVID-19 Pandemic reflected in Report FCS20040.

### Rate Supported Operating Budget Variance:

- The Rate Supported Operating Budget surplus of \$10.2 M is made up of surpluses in both water (\$5.3 M) and wastewater (\$5.0 M). There are separate Rate Supported Reserves for each of the water, wastewater and stormwater programs.
- Surpluses of \$5.3 M from water operations to be transferred to water reserve.
- Surplus in wastewater / storm operations of \$5.0 M to be transferred to wastewater reserves.
- In preparation of the 2020 Rate Supported Budget, staff worked towards reducing the preliminary rate increase from 4.5% to 4%. Staff will monitor and report to Council any opportunities to leverage the surplus through any future Federal/Provincial stimulus programs, including those that may arise as a result of the COVID-19 pandemic, or alternatively reviewing the City's future rate supported debt forecast, as the City approaches the 2021 budget process.

#### 2020 Budget Transfers:

In accordance with the "Budget Control Policy" and "Budgeted Complement Control Policy", staff is submitting one item recommended for transfer. The complement transfer, identified in Appendix "C" to Report FCS19055(b), moves budgeted complement from one department / division to another to accurately reflect where the staff complement is allocated within the department / division for the purpose of delivering programs and services at desired levels. The budget complement transfer identified was not realized at the time of the 2020 budget submission. However, this transfer will amend the 2020 Operating Budget once approved with no impact on the levy.

**Alternatives for Consideration – See Page 16** 

**SUBJECT:** Tax and Rate Operating Budget Variance Report as at

December 31, 2019 - Budget Control Policy Transfers (FCS19055(b))

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#### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: The financial information is provided in the Analysis and Rationale for

Recommendation section of Report FCS19055(b).

Staffing: Not Applicable

Legal: Not Applicable

#### HISTORICAL BACKGROUND

Staff has committed to provide Council with three variance reports on the Tax and Rate Operating Budget during the fiscal year (Spring / Fall / Final). This is the final submission for 2019 based on the operating results as at December 31, 2019. Council approval is required to allocate year-end surplus / deficit to / from reserves.

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Not Applicable

#### **RELEVANT CONSULTATION**

Staff in all City of Hamilton departments and boards provided the information in Report FCS19055(b).

#### ANALYSIS AND RATIONALE FOR RECOMMENDATION

The following provides an overview of the more significant issues affecting the 2019 Tax and Rate Operating Budget Surpluses. Appendix "A" to Report FCS19055(b) summarizes the Tax Supported Operating Budget year-end variances by department and division and Appendix "B" to Report FCS19055(b) summarizes the Rate Supported Operating Budget results by program.

Tax Supported Operating Budget:

Table 3 provides a summary of the departmental results as at December 31, 2019. The final Tax Supported Operating Budget Surplus amounted to \$14.7 M or approximately 1.7% of the net levy.

# Table 3 CITY OF HAMILTON 2019 Year-End Variance (Unaudited) (\$000's)

	2019 Approved	2019 Year-End	Varia	nce
	Budget	Actuals	\$	%
TAX SUPPORTED				
Planning & Economic Development	29,672	29,153	519	1.7%
Healthy and Safe Communities	244,490	241,838	2,651	1.1%
Public Works	242,414	244,165	(1,751)	(0.7)%
Legislative	5,019	4,619	400	8.0%
City Manager	11,759	10,656	1,103	9.4%
Corporate Services	30,852	28,825	2,027	6.6%
Corporate Financials / Non Program Revenues	(25,500)	(32,396)	6,896	27.0%
Hamilton Entertainment Facilities	3,912	4,116	(204)	(5.2)%
TOTAL CITY EXPENDITURES	542,617	530,977	11,640	2.1%
Hamilton Police Services	164,290	162,865	1,425	0.9%
Library	30,700	29,994	706	2.3%
Other Boards & Agencies	13,095	15,676	(2,581)	(19.7)%
City Enrichment Fund	6,116	6,116	0	0.0%
TOTAL BOARDS & AGENCIES	214,201	214,651	(450)	(0.2)%
CAPITAL FINANCING	129,969	126,441	3,528	2.7%
TOTAL OTHER NON-DEPARTMENTAL	344,170	341,093	3,078	0.9%
TOTAL TAX SUPPORTED	886,787	872,069	14,718	1.7%

<sup>() -</sup> Denotes unfavourable variance

City Expenditures / Departmental Budgets:

The total surplus for Tax Supported City Expenditures is \$11.6 M.

Further to the direction from Council for the 2019 budget, the City has changed the reporting methodology and the budgeted gapping savings of -\$4.5 M previously held in Corporate Financials has been distributed to the departments. The 2019 year-end, corporate-wide gapping actuals are -\$7.3 M representing a surplus of \$2.8 M.

Each department's gapping variance (target versus actual) is detailed in the following sections and included in their total departmental surplus / deficit. Other departmental highlights are also included as explanation to their variance.

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Planning and Economic Development Department

Planning and Economic Development reported a favourable variance of \$519 K. This is the result of a favourable variance of \$652 K in the Transportation, Planning and Parking Division due to \$800 K higher than anticipated parking enforcement revenue and zoning application fees and \$200 K savings in contractual from lower contracted complement in Parking lots. This was partially offset by pressures in computer software, vehicles expenses, snow removal, traffic signs and contractual payments to the province. A favourable variance of \$280 K in the Planning Division is due to positive gapping and increase in Committee of Adjustment Revenue. The General Manager and Economic Development Divisions are both reporting favourable variances due to gapping.

The unfavourable variance of -\$544 K in the Licensing and By-Law Services Division is due to an overall net increase of \$126 K in revenues offset by -\$328 K gapping pressures, -\$39 K pressures for Amanda consultant costs, -\$35 K vehicles upfitting, -\$25 K unrecovered property work maintenance, -\$22 K contractual, -\$20 K financial charges and -\$113 K unrealized budgeted draws from reserves.

A deficit of -\$106 K in Building Division is due to -\$139 K lower than expected zoning revenues, -\$11 K higher facilities costs and -\$9 K unbudgeted temporary staffing agency costs partially offset by a small savings of \$12 K in gapping.

The Planning and Economic Development departmental gapping target, included in the explanations above, was -\$776 K for the year of 2019. As at December 31, 2019, the actual year-end gapping amount is -\$149 K, resulting in a deficit of \$627 K.

Healthy and Safe Communities Department

Overall, the Healthy and Safe Communities Department experienced a favourable variance of \$2.7 M. The major driver is the favourable result of \$1.6 M in the Housing Services Division due to available subsidies of \$226 K, Social Housing prior year reconciliations (AIR) for revenue rents, Rent Geared to Income (RGI), property taxes and mortgages of \$3.5 M. This is offset by the in-year approval of the Home for Holidays -\$2.0 M program and unbudgeted payment to Wesley Urban Ministries -\$150 K.

Recreation Division's favourable variance of \$1.2 M was due to closures at Dundas Arena, Norman Pinky Lewis, Valley Park, Hill Park and Parkdale Outdoor Pool totalling \$362 K, employee related costs due to gapping \$157 K, hydro related savings of \$572 K and user fee revenues partially offset by an increase in bad debt expense.

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Long Term Care Division had a favourable variance of \$1.2 M due to employee related expenses driven by gapping of \$841 K, additional Ministry funding related to the Global Level of Care (LOC) per diem of \$208 K and favourable variance in building operating costs of \$177 K.

The Ontario Works (OW) Division had a surplus of \$485 K due maximizing available subsidy of \$243 K, employee expense gapping of \$400 K, partially offset by higher than expected operating costs.

Public Health Services is reporting a combined favourable variance of \$416 K mainly due to holding of positions to offset potential impacts due to Public Health Modernization and loss of staff due to uncertainty totalling \$851 K, offset by subsidy loss of -\$348 K and -\$97 K in lost program contracts.

The Hamilton Fire Department had a positive variance of \$104 K due to overall employee related costs including settled contracts and staff retirements, offset partially by various maintenance and operating costs.

Hamilton Paramedic Service had an unfavourable variance of -\$2.2 M due to a shortfall in Ministry funding (Base and Enhancement funding) of -\$1.0 M, overall employee related costs of -\$930 K and -\$230 K in various maintenance and vehicle costs.

The Health and Safe Communities Administration Division reported an unfavourable variance of -\$200 K due to staffing costs and internal audit expense recoveries.

The Children's Services and Neighbourhood Development Division had a small unfavourable variance of -\$45 K due to facilities recoveries, less than expected Child Care Subsidy offset by favourable variance in employee expenses driven by gapping.

The Healthy and Safe Communities departmental gapping target, included in the explanations above, was -\$866 K for the 2019 year. The actual year-end gapping amount is -\$2.4 M, resulting in a surplus of \$1.5 M.

**Public Works Department** 

Overall, the Public Works department had a deficit of -\$1.8 M for 2019. There were a number of factors, both favourable and unfavourable, across the divisions that lead to the overall deficit.

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Energy, Fleet and Facilities (EFF) Division had an overall unfavourable variance of -\$2.4 M mainly due to a -1.0 M deficit in Tim Horton's Field operations. Also contributing to the unfavourable variance was -\$0.4 M in Fleet, -\$0.2 M attributable to the unbudgeted cost of holding vacant facilities (King George, Eastmount, Mountain Secondary), -\$0.3 M gapping target shortfall and -\$0.2 M in expenses related to unallocated vacant space in various City Buildings.

Tim Hortons Field's unfavourable variance of -\$1.0 M is mainly due to -\$675 K in security costs for TiCats and Forge FC games. An additional 18 Forge FC home games were played during the 2019 inaugural season that were not part of the 2019 Budget. Public Works staff are reviewing the Tim Horton's Field operational plan and will report back to Council.

Environmental Services (ES) Division had an unfavourable variance of -\$453 K largely due to an unfavourable variance of -\$522 K in utilities costs. In addition, a deficit of -\$400 K is driven by the wet growing season and increased contractual costs at the City's Transfer Stations, Community Recycling Centres and Landfill due to increased handling of leaf and yard waste from the Central Composting Facility (CCF). The diversion from the CCF is due to limitations on processing organics. Other unfavourable variances within the ES Division include direct facilities costs of -\$211 K and -\$165 K in increased central fleet maintenance costs mainly in the Parks section contributed to the deficit.

Partially offsetting the deficit in the ES Division are favourable variances of \$676 K in employee related costs attributable to gapping and about \$1.0 M in favourable Recycling and Waste Disposal revenue (about \$0.7 M in tipping fee revenue and \$0.3 M in recycling commodities revenue).

Transit Division had a -\$342 K unfavourable variance largely due to -\$1.9 M in gapping and -\$0.8 M related to DARTS which were largely offset by favourable Transit Revenues (\$1.6 M) and fuel savings (-\$1.0 M).

Transit gapping of -\$1.9M unfavourable is largely as a result of -\$3.6 M in over-time, -\$2.6 M in sick pay and -\$0.6 M in vacation payouts partially offset by \$4.9 M in favourable in regular salaries and wages. Although overtime is still exceeding targeted levels, progress was made in 2019 with \$300 K in reduction over 2018.

DARTS contract was unfavourable by -\$0.8 M due to about 57,000 additional trips relative to budget.

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Partially offsetting these variances is \$1.6 M attributed to favourable Transit fare revenues primarily due to continuing ridership uptake (about 3% greater than budgeted) representing \$1.2 M and fare increase contributing approximately \$0.4 M.

Fuel savings of about \$1.0 M is attributed to diesel price savings of \$545 K and \$408 K due to the continued conversion of fleet from diesel to natural gas.

The remaining divisions had favourable results. Engineering Services had a positive variance of \$805 K attributable to revenue realized in the Corridor Management program from user fees related to permit fees collected for road closures, encroachments, overload / road occupancy charges and other various permits.

Transportation Operations and Maintenance Division had a \$615 K favourable variance due to net gapping savings of \$2.5 M attributed to temporary vacancies created by retirements, terminations and restructuring. Summer Season roads maintenance program is \$1.4 M favourable. Streetlighting program savings are \$623 K as a result of the LED Streetlight conversion project. Partially offsetting these are unfavourable variances of -\$2.4 M attributed to Winter Season roads maintenance program, vehicle costs -\$152 K and contractual services for hired equipment -\$1.3 M.

The Public Works departmental gapping target, included in the explanations above, was -\$2.0 M for the 2019 year. The actual year-end gapping amount is -\$2.5 M, resulting in an annual surplus of \$470 K.

#### Legislative

Savings from consulting and contractual services and unspent ward office budgets offset by facility costs resulted in an overall departmental surplus of \$400 K.

The Legislative departmental gapping target was -\$76 K for the year of 2019. The actual year-end gapping amount is \$185 K, resulting a deficit of -\$261 K.

#### City Manager's Office

The City Manager's Office had a favourable variance of \$1.1 M. The majority of this was in the Human Resources Division (\$998 K). The main drivers of the favourable variance were gapping, savings in consulting, training, legal and arbitration expenditures.

The City Manager's Office departmental gapping target, included in the explanations above, was -\$205 K for the 2019 year. The actual year-end gapping amount is -\$811 K, resulting in a surplus of \$606 K.

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Corporate Services Department

Corporate Services finished 2019 with a positive variance of \$2 M. This was mainly the result of favourable variances of \$1.4 M in Financial Services and Taxation Division and \$291 K in Financial Planning, Administration and Policy Division. The variance in Financial Services and Taxation Division was due to gapping and higher than budgeted revenues including tax transfer fees. The variance in Financial Planning, Administration and Policy Division was primarily due to employee related savings from gapping net of contracted services for temporary replacements which are partially offset by recoveries from operating departments.

City Clerk's Office and Customer Service divisions experienced minor favourable variances attributed to gapping.

The Corporate Services departmental gapping target, included in the explanations above, was -\$576 K for the 2019 year. The actual year-end gapping amount is -\$1.6 M, resulting in a surplus of \$1.1 M.

Corporate Financials / Non Program Revenues

Corporate Financials / Non Program Revenues show a \$6.9 M combined favourable variance. Contributing factors are identified as follows:

Corporate Financials

Corporate Pensions, Benefits and Contingency

The unfavourable variance in the Corporate Pensions, Benefits and Contingency of -\$3.0 M was a result of higher than budgeted pay-outs for WSIB claims. Staff are still reviewing the final 2019 WSIB costs but estimate that approximately \$2.0 M of the variance is a result of increased Police Services claims. A full review of WSIB costs and recoveries will be provided to Council during 2020.

**Corporate Initiatives** 

A surplus of \$629 K in Corporate Initiatives is mainly due to an unbudgeted recovery (GST / HST Adjustments related to 2016 and 2017) and exchange rate funds.

Non Program Revenues

Non Program Revenues reported a favourable variance of \$9.3 M.

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General revenues had a favourable variance of \$663 K resulting from a surplus in Provincial Offences Administration (POA) revenues of \$691 K and a higher realization of slot revenues of \$456 K. This was partially offset by an unfavourable variance in Hamilton Utilities Corporation (HUC) dividends of -\$484 K due to unbudgeted administrative expenses of -\$353 K and dividend shortfall of -\$131 K.

The tax revenues show a surplus of \$8.6 M, mainly attributable to the favourable variance in Tax Remissions and Write Offs of \$4.8 M due to favourable prior year allowances on settlements and lower Tax Write Offs. A favourable variance of \$1.5 M in Penalties and Interest is due to higher than average arears and a favourable variance in Payments in Lieu is due to a reduction in realized write-offs. Also adding to the surplus is a favourable variance in Supplementary Taxes of \$1.4 M.

Hamilton Entertainment Facilities (HEF)

HEF had an unfavourable variance of -\$204 K primarily driven by facility charges and lower expected contract revenue due to the timing of the new management agreement which ended July 1, 2019.

Staff is recommending that the overall deficit of -\$204 K be offset by a transfer from HEF Capital Projects Reserve.

#### Capital Financing

Capital financing had an overall positive variance of \$3.5 M as a result of timing differences in cash flow assumptions in the Capital Budget. The City did not issue debt in 2019, resulting in principal and interest savings versus budget. As approved in the 2020 Tax Supported Capital Budget (Report FCS19091), \$4.8 M from the 2019 Capital Financing surplus was transferred to the Unallocated Capital Levy Reserve, prior to year-end, to fund initiatives in the 2020 Capital Budget. Without this transfer, the overall Capital Financing surplus would be \$8.3 M.

#### **Boards and Agencies**

In Boards and Agencies, there is an unfavourable variance of -\$450 K mainly attributable to Conservation Authorities and partially offset by a surplus in Library and Police Services.

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There is an unfavourable variance of -\$2.5 M relating to the Niagara Peninsula Conservation Authority (NPCA) appeal. The NPCA changed the Municipal Levy Allocation agreement and applied the default formula provided under the applicable regulations to the detriment of the City. The City was unsuccessful with the appeal at the Mining and Lands Commission and this resulted in all Conservation Authorities using the default formula, increasing the City's payment by \$2.5 M.

The Hamilton Farmers' Market had a minor unfavourable variance of -\$53 K due to building repairs for overhauling and setting up new stalls as well as facility charges and lower than budgeted stall rental revenue.

Library had a favourable variance of \$706 K mainly as a result of lower purchases of collection materials, an actual cost of living increase of 1.6% instead of 2% as budgeted and gapping. Police Services had a favourable variance of \$1.4 M.

The Library and Police surpluses will be transferred to their own source reserves. The Farmers' Market unfavourable variance will be funded from the Farmers' Market Reserve.

Disposition of Tax Supported Operating Budget Surplus:

The City of Hamilton has policies, obligations, future requirements and past practice that guide decisions around the disposition of the year-end operating budget surplus. Staff recommends that the Tax Supported Operating Budget Surplus of \$14.7 M be distributed to various reserves as per the following paragraphs.

Year-end variances for Police of \$1.4 M and Library of \$706 K will be transferred to their own source reserves and Farmers' Market unfavourable variance of -\$53 K will be funded from the Farmers' Market reserve.

Slot Revenues' surplus of \$456 K will be transferred to the Flamborough Capital Reserve Fund.

Capital Financing surplus of \$3.5 M will be transferred to the Unallocated Capital Levy Reserve for future capital financing tax supported capital investments in infrastructure. An additional surplus of \$4.8 M was transferred to the Unallocated Capital Levy Reserve, prior to year end, for the 2020 Capital Financing Plan for tax supported capital investments in infrastructure as the City's Strategic Asset Management Policy and Asset Management Plans are initiated under the *Infrastructure for Jobs and Prosperity Act* (Bill 6).

SUBJECT: Tax and Rate Operating Budget Variance Report as at December 31, 2019 – Budget Control Policy Transfers (FCS19055(b)) (City Wide) – Page 14 of 16

Deficit of -\$204 K in Hamilton Entertainment Facilities (HEF) will be funded from the Hamilton Entertainment Facilities Capital Projects Reserve.

The Tax Stabilization Reserve was established to prevent significant fluctuations in the operating budget general tax levy and to help the City manage its cash flow by providing a source of funding to offset extraordinary and unforeseen expenditures, to fund one-time expenditures, to offset revenue shortfalls and to provide for various contingent and potential future liabilities. A transfer will be done to the tax stabilization reserve from the 2019 surpluses. The balance in the Tax Stabilization Reserve will be approximately \$23.0 M and short of the target balance of \$43.0 M.

During the 2020 Budget, Council approved two items to be funded from this reserve, funding year five of the 10-Year Transit Strategy in the amount of \$990 K and one-time funding in the amount of \$400 K for Hamilton Paramedic Services. The Tax Stabilization Reserve will also potentially be an essential component in financial plans to offset the impacts of the COVID-19 Pandemic reflected in Report FCS20040.

Rate Supported Operating Budget:

For 2019, the Rate supported operating budget finished the year with a favourable variance of \$10.2 M mainly due to favourable revenue variance of \$8.6 M and capital financing of \$1.8 M. Operating expenditures had a small surplus of \$185 K.

#### Expenditures

Overall Rate budget expenditure savings of \$1.6 M or 0.7% of budget were reported at year end.

Operating expenditures had a small surplus of \$185K or 0.2% to budget mainly due to gapping realized from staff vacancies (i.e. retirements, internal transfers, etc.).

Capital financing costs have a net overall positive variance of \$1.8 M. The surplus in debt charges of \$5.5 M is offset by the Development Charge (DC) debt charge recoveries of -\$3.7 M. The debt charge surplus is due to the difference in budgeted and forecasted interest rates and the increased timeframe for issuing debt.

Appendix "B" to Report FCS19055(b) summarizes the Rate Budget results by program.

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#### Revenues

Overall total revenues are realizing a favourable variance of \$8.6 M or 3.9% mainly due to favourable variances in rate revenues. Non-rate revenue had a minor favourable variance of \$33 K.

#### Rate Related Revenue

Overall, 2019 rate related revenues are realizing a surplus of \$8.6 M or 3.9% to budget. In total, metered customer sectors ended with a favourable variance of about \$5.4 M, representing 2.5% of the overall rate revenue budget mainly due to growth. Industrial, Commercial Institutional and Multi-Residential (ICI / Multi-Res) sector had a surplus of \$2.8 M while the Residential sector had a favourable variance of \$2.6 M. Non-metered revenues produced a surplus of \$1.2 M for 2019 while other rate related revenue variances totalled approximately \$2.0 M across several areas in water sales contracts (Halton and Haldimand) as well as overstrength and sewer surcharge fees.

#### Non-Rate Revenue

Non-rate revenue had a minor favourable variance of \$33 K.

Disposition of Rate Supported Operating Budget Surplus:

The City of Hamilton has policies, obligations, future requirements and past practice that guide decisions around the disposition of the year-end operating budget surplus.

Staff recommends that the Rate Supported Operating Budget Surplus of \$10.2 M be transferred as follows:

- Surplus of \$5.3 M from water operations will be transferred to water reserve.
- Surplus of \$5.0 M from wastewater / storm operations will be transferred to wastewater reserve.

Similar to the Tax Supported Budget, Rate Supported capital investments in infrastructure will be assessed as the City's Strategic Asset Management Policy and Asset Management Plans are initiated under the *Infrastructure for Jobs and Prosperity Act* (Bill 6).

**SUBJECT:** Tax and Rate Operating Budget Variance Report as at

December 31, 2019 – Budget Control Policy Transfers (FCS19055(b))

(City Wide) - Page 16 of 16

#### **ALTERNATIVES FOR CONSIDERATION**

Table 1 in the Recommendation section identifies the recommended disposition of the surplus / deficit. Council may provide alternative direction to staff for the disposition of the surplus / deficit.

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

#### **Our People and Performance**

Hamiltonians have a high level of trust and confidence in their City government.

#### APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report FCS19055(b) – City of Hamilton Tax Operating Budget Variance Report as at December 31, 2019

Appendix "B" to Report FCS19055(b) – City of Hamilton Combined Water, Wastewater and Storm Systems Rate Operating Budget Variance Report as at December 31, 2019

Appendix "C" to Report FCS19055(b) – City of Hamilton Budgeted Complement Transfer Schedule

AB/dt

	2019 Approved	2019 Actuals	2019 Actuals .vs Approved Budget		
	Budget	December	\$	%	Comments/Explanations
PLANNING & ECONOMIC DEVELOPMENT			<u> </u>		
General Manager Transportation Planning and Parking	966 2,181	945 1,530	20 652	2.1% 29.9%	Savings in gapping of \$65K, Reserve transfer to current of \$50k not required. \$800K higher revenues from Parking Operations, Parking enforcement and zoning application fees, \$200K savings due to lower contracted complement in Parking lots offset by pressures in computer software, vehicles expenses, snow removal, traffic signs and contractual payments to the province.
Building	1,308	1,414	(106)	(8.1)%	Savings in gapping of \$12k, offset by zoning revenues lower than expected \$139k, facilities costs higher than budgeted \$11k and unbudgeted Temp agency costs \$9k
Economic Development	5,424	5,200	225	4.1%	Savings in gapping of \$219k
Growth Management	468	469	(1)	(0.2)%	Savings in gapping of \$59k, offset by facilities and hardware lease costs higher than budgeted \$42k, unbudgeted consultants costs for the fee review of \$13k, other small variances over budget \$10k
Licensing & By-Law Services	6,681	7,225	(544)	(8.1)%	Overall net increase in revenues of \$126K offset by \$328 K net gapping pressures, pressures for Amanda consultant of \$39K, vehicles upfitting of \$35K, unrecovered property work maintenance of \$25K, contractual of \$22K, financial charges of \$20K and unrealized budgeted draws from reserves of \$113K.
Planning	3,392	3,112	280	8.2%	Savings in gapping of \$223K, excess Committee of Adjustment revenues over budget of \$55k and other various savings.
Tourism & Culture	9,252	9,259	(7)	(0.1)%	Additional revenues of \$405K and net savings in Building repairs and Collections conservation of \$67K, offset by net gapping pressures of \$469K mainly due to higher wage costs attributed from higher volume of visitors and advertising for Commonwealth bid of \$6K.
TOTAL PLANNING & ECONOMIC DEVELOPMENT	29,672	29,153	519	1.7%	
HEALTHY AND SAFE COMMUNITIES					
HSC Administration	2,761	2,961	(200)	(7.2)%	Unfavourable variance due to staffing costs and internal audit expense recoveries.
Children's Services and Neighbourhood Dev.	8,675	8,720	(45)	(0.5)%	Unfavourable variance due to facilities recoveries, less than expected Child Care Subsidy offset by favourable variance in employee expenses driven by gapping.
Ontario Works	11,918	11,433	485	4.1%	Favourable variance due to maximizing available subsidy of \$243K, employee expense gapping of \$400K, partially offset by higher than expected operating costs.
Housing Services	45,068	43,476	1,592	3.5%	Favourable variance due to available subsidies of \$226K, Social Housing prior year reconciliations (AIR) for revenue rents, Rent Geared to Income, property taxes and mortgages of \$3.5M, offset by a transfer for Home for Holidays of \$2M and unbudgeted payment to Wesley Urban Ministries of \$150K.
Long Term Care	13,472	12,266	1,206	9.0%	Favourable variance in employee related expenses of \$841K driven by gapping, additional Ministry funding of \$208K related to the Global Level of Care per diem, favourable variance in building operating costs of \$177K.
Recreation	33,852	32,605	1,247	3.7%	Favourable variance due to closures at Dundas Arena, Norman Pinky Lewis, Valley Park, Hill Park, and Parkdale Outdoor Pool totalling \$362K. Favourable variance also driven by employee related costs due to gapping of \$157K, hydro related savings of \$572K, and user fee revenues partially offset by an increase in bad debt expense.
Hamilton Fire Department	92,493	92,389	104	0.1%	Favourable variance due to overall employee related costs including settled contracts and staff retirements, offset partially by various maintenance and operating costs.
Hamilton Paramedic Service	23,795	25,948	(2,153)	(9.0)%	Unfavourable variance due to shortfall in Ministry funding (Base & Enhancement funding) of \$1M, overall employee related costs of \$930K, and various maintenance and vehicle costs of \$230K.
Public Health Services	12,456	12,040	416	3.3%	Favourable variance due to holding of positions to offset potential impacts due to Public Health Modernization and loss of staff due to uncertainty of \$851K offset by subsidy loss of \$348K and lost program contracts of \$97K.
TOTAL HEALTHY AND SAFE COMMUNITIES	244,490	241,838	2,651	1.1%	

	2019 Approved	2019 Actuals	2019 Actua		
	Budget	December	\$	%	Comments/Explanations
PUBLIC WORKS					
PW-General Administration Energy Fleet and Facilities	715 9,315	715 11,692	(0) (2,377)	(0.0)% (25.5)%	n/a  Overall deficit of (\$2.4M) mainly due to (\$205K) attributable to the cost of holding vacant facilities (unbudgeted) King George \$64K/Eastmount \$48K/Mountain Secondary \$91K; (\$200K) Expenses related to unallocated vacant space in various City Buildings; (\$255K) Net divisional gapping. Tim Hortons Field unfavourable variance of (\$1.0M) due to: (\$675K) Security. Additional unbudgeted 18 Forge FC home games were played as well as 4 months of transition between the old and new vendor for the security contract resulted in an additional impact of (\$115K); (\$211K) Building cleaning services for TiCats and Forge FC games; (\$69K) Snow storm removal for TiCats Eastern Final playoff game; (\$52K) Police services for TiCats and Forge FC games.
Engineering Services	(1,126)	(1,931)	805	71.5%	Favourable Variance of \$805K attributable to revenue realized in the Corridor Management program from user fees related to permit fees collected for road closures, encroachments, overload/road occupancy charges and other various permits.
Environmental Services	79,086	79,539	(453)	(0.6)%	Overall deficit of (\$453K) largely due to: Unfavourable variances of: (\$522K) – Utilities mainly due to Parks and Cemeteries water usage of (\$847K) partially offset by hydro favourable variance of \$325K mainly due to Park [ighting; (\$400K) – Driven by wet growing season and increased contractual costs at Transfer Stations and Community Recycling Centres (TS/CRC) and Landfill due to increased handling of leaf & yard waste due to the Central Composting Facility limitations on processing organics; (\$211K) – Due to direct facilities charges; (\$165K) – Increased central fleet maintenance costs mainly in Parks section. Partially offset by favourable variances of: \$676K – Gapping primarily due to retirements, resignations and hard to fill vacancies; \$1.0M – Recycling and Waste Disposal revenue net of negative variance of \$658K due to lower than expected draw on recycling program reserve mainly comprised of the following; \$726K - Increased tipping fee revenues at the City's TS/CRC's and recoveries from City departmental Transfer Station use; \$313K - Recycling commodities revenue totalled \$951K of that the mixed fiber recovery revenue realized was \$658K. The total mixed fiber revenue loss was \$1.9M.
Transit	74,299	74,641	(342)	(0.5)%	Overall deficit of (\$342K) mainly due to: (\$1.9M) - Net unfavourable gapping due to: (\$2.6M) Sick time, (\$3.6M) Overtime, vacation payouts of (\$551K) for terminations and employees on LTD for time not taken, (\$282K) related to shift premiums, partially offset by favourable: \$4.9M Wages and Salaries; (\$796K) - DARTS contract due to increased trips. Partially offset by favourable variances of: \$1.6M -Transit fare revenues favourable primarily due to continuing ridership uptake representing \$1.2M (75%) and fare increase contributing approximatelly \$415K (25%). 21,065,409 Budgeted ridership vs. Actual ridership 21,659,817 difference 594,407 or 2.82%; \$1.0M - Diesel price \$545K (55%) and consumption \$408K (41%) below expected usage due to the continued conversion of fleet from diesel to natural gas. Current fleet mix is 52% or 138 natural gas versus 48% or 129 diesel fleet vehicles.
Transportation Operations & Maintenance	80,125	79,509	616	0.8%	Overall positive variance of \$615K mainly due to: \$2.5M - net gapping. Gross gapping savings of \$1.9M in Roadway Maintenance, \$832K in Transportation Operations and \$343K in business support programs due to temporary vacancies created by retirements, terminations and restructuring; \$1.4M - Summer Season roads maintenance program: materials & supplies \$338K, contractual services \$385K, fee revenues \$344K, cost allocations \$219K, and other recoveries \$114K; \$623K - Driven by Streetlighting program due to the continued savings realized as a result of the LED Streetlight conversion project. The energy savings component accounts for \$278K while the remaining positive variance is due to the reduced maintenance costs of approximately \$505K. Partially offset by unfavourable variances of: (\$2.4M) - Winter Season roads maintenance program: increased number of winter storm events which required increases in de-icing material usage (\$969K), vehicle costs (\$152K) and contractual services for hired equipment (\$1.3M); (\$465K) - Remaining variances to due smaller variances from material, supplies, and services in Traffic Operations.
TOTAL PUBLIC WORKS	242,414	244,165	(1,751)	(0.7)%	

	2019 Approved	2019 Actuals	2019 Ac		
	Budget	December	\$	%	Comments/Explanations
LEGIOLATIVE					
LEGISLATIVE Legislative General	(342)	(258)	(83)	(24.3)%	Savings in Consulting budget offset by gapping target and Facility costs
Mayors Office	1.134	1.049	84	7.4%	Savings in consulting and contractual budgets offset by Facility costs
Volunteer Committee	1,134	88	24	21.6%	Unspent Committee budgets
Ward Budgets	4,114	3,740	374	9.1%	Unspent Ward budgets
TOTAL LEGISLATIVE	5,019	4,619	400	8.0%	- Onoponit Ward Budgeto
CITY MANAGER					
Office of the City Auditor	1,116	1,038	78	7.0%	Primarily gapping, also some unspent training and facility budgets.
CMO - Admin & Digital Office	399	442	(43)	(10.7)%	City Manager recruitment consulting costs and consultation costs for draft Hate Prevention and Mitigation Policy work
Strategic Partnerships & Communications	2,840	2,770	70	2.5%	Reduced employee costs and program expenses. Funding for 1.4 full time permanent FTE's has been enabled through the sale of sponsorships as per the commitment to council during the 2019 budget process (OBL).
Human Resources	7,404	6,406	998	13.5%	Gapping due to various temp vacancies; unspent training budgets due to re-design of the multi- year Performance and Learning Strategy; and lower costs for Legal Fees and Arbitrations due to bargaining with several union groups in 2019.
TOTAL CITY MANAGER	11,759	10,656	1,103	9.4%	
CORPORATE SERVICES					
City Clerk's Office	2,409	2,210	199	8.3%	Favourable gapping offset by computer software
Corporate Services - Administration	329	329	0	0.0%	Favourable variance in training, consulting & conference offset by unfavourable gapping
Customer Service	5,270	5,171	99	1.9%	Favourable gapping
Financial Planning, Admin & Policy	4,800	4,509	291	6.1%	Favourable variance primarily due to employee related savings due to gapping net of contracted services for temporary replacements which are partially offset by recoveries from operating departments.
Financial Services	3,980	2,545	1,434	36.0%	Favourable variance due to employee related savings due to gapping as well as additional revenues which include tax transfer fees.
Information Technology	10,680	10,677	3	0.0%	
Legal Services	3,383	3,383	0	0.0%	
TOTAL CORPORATE SERVICES	30,852	28,825	2,027	6.6%	

CORPORATE FINANCIALS		2019 Approved	2019 Actuals	2019 Ac .vs Approve	d Budget	
Corporate Initiatives		Budget	December	\$	%	Comments/Explanations
Corporate Initiatives	CORPORATE FINANCIALS					
Copporate Initiatives		15,345	18,331	(2,987)	(19.5)%	
April	Corporate Initiatives	4,120	3,491	629	15.3%	Mainly due to 2016 and 2017 dolomite recovery (GST/HST Adjustments) and exchange rate
Captral Final Communities	TOTAL CORPORATE FINANCIALS	19,465	21,822	(2,357)	(12.1)%	
Total Hamilton Entertainment Facilities   3,912   4,116   (204)   (5.2)%     (5.2)%     (5.2)%     (5.2)%     (5.2)%     (5.2)%     (5.2)%     (5.2)%   (5						
TOTAL CITY EXPENDITURES	Operating	3,912	4,116	(204)	(5.2)%	
CAPITAL FINANCING	TOTAL HAMILTON ENTERTAINMENT FACILITIES	3,912	4,116	(204)	(5.2)%	
Debt-Healthy & Safe Communities   2,340   2,023   316   13,59   5,000   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   14,313   17,538   2,775   27,167   1861/45	TOTAL CITY EXPENDITURES	587,582	585,195	2,387	0.4%	
Debt-Healthy & Safe Communities   2,340   2,023   316   13,59   5,000   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   13,429   14,313   17,538   2,775   27,167   1861/45						
Debt-Organization   Comparization   Compariz						
Debt-Corporate Financials	•	,				
Debt-Planning & Economic Development   194   27   167   86.1%   Capital Funk (North	•					
Debt Public Works   38,696   38,427   269   0.7%   TOTAL CAPITAL FINANCING   128,972   125,444   3,528   2,7%   TOTAL BOARDS & AGENCIES	·					
TOTAL CAPITAL FINANCING   128,972   125,444   3,528   2,7%						this transfer, the overall surplus would be \$8.3 M.
Police Services         Operating         164,290 806 806 806 0 0 0.0%         162,865 14,25 0.9%         1,425 0.9%         HPS will provide explanation to the Board at a later date.           Total Police Services         165,996 163,671 1,425 0.9%         1,425 0.9%         HPS will provide explanation to the Board at a later date.           Other Boards & Agencies         Library         30,700 29,994 706 2.3%         Less than budgeted expenses for collection materials purchases, an actual cost of living increase of 1.6% instead of 2% as budgeted, and gapping updated apportionment formula.           Conservation Authorities         5,498 8,026 (2,528) (46,0)%         (46,0)%           Hamilton Beach Rescue Unit         134 134 0 0.0%         0.0%           ROyal Botanical Gardens         635 635 635 0 0.0%         0.0%           Farmers Market         113 166 (5/4) (47.5)%         0.0%           Farmers Market         113 166 (5/4) (47.5)%         0.0%           Total Other Boards & Agencies         43,795 45,670 (1,875) (1,875) (1,875)         0.0%           Capital Financing - Other Boards & Agencies         191 191 0 0.0%         0.0%           City Enrichment Fund         6,116 6,116 0,116 0 0.0%         0.0%           Coty Enrichment Fund         6,116 6,116 0,116 0.00         0.0%						
Departing	BOARDS & AGENCIES					
Capital Financing         806         806         0         0.0%           Total Police Services         165,096         163,671         1,425         0.9%           Other Boards & Agencies         Library         30,700         29,994         706         2.3%         Less than budgeted expenses for collection materials purchases, an actual cost of living increase of 1.6% instead of 2% as budgeted, and gapping           Conservation Authorities         5,498         8,026         (2,528)         (440.0%         Updated apportionment formula.           Hamilton Beach Rescue Unit Royal Botanical Gardens         635         635         0         0.0%<	Police Services					
Other Boards & Agencies         165,096         163,671         1,425         0.9%           Other Boards & Agencies         Library         30,700         29,994         706         2.3% increase of 1.6% instead of 2% as budgeted, and gapping         Less than budgeted expenses for collection materials purchases, an actual cost of living increase of 1.6% instead of 2% as budgeted, and gapping           Conservation Authorities         5,498         8,026         (2,528)         (46.0)%         Updated apportionment formula.           Hamilton Beach Rescue Unit         134         134         0         0.0%           Royal Botanical Gardens         635         635         0         0.0%           MPAC         6,715         6,715         0         0.0%           Farmers Market         113         166         (54)         (47.5)%         Due to building repairs for overhauling and setting up new stalls as well as facility charges and lower than budgeted stall rental revenue           Capital Financing - Other Boards & Agencies         191         191         0         0.0%           City Enrichment Fund         6,116         6,116         0         0.0%           TOTAL BOARDS & AGENCIES         215,198         215,648         (450)         (0.2)%	1 9					HPS will provide explanation to the Board at a later date.
Other Boards & Agencies         Library         30,700         29,994         706         2.3% Less than budgeted expenses for collection materials purchases, an actual cost of living increase of 1.6% instead of 2% as budgeted, and gapping increase of 1.6% instead of 2% as budgeted, and gapping updated apportionment formula.           Conservation Authorities         5,498         8,026         (2,528)         (46.0% Updated apportionment formula.           Hamilton Beach Rescue Unit         134         134         0         0.0%           Royal Botanical Gardens         635         635         0         0.0%           MPAC         6,715         6,715         0         0.0%           Farmers Market         113         166         (54)         (47.5)%           Total Other Boards & Agencies         43,795         45,670         (1,875)         (4.3)%           Capital Financing - Other Boards & Agencies         191         191         0         0.0%           City Enrichment Fund         6,116         6,116         0         0.0%           TOTAL BOARDS & AGENCIES         215,198         215,648         (450)         (0.2)%						•
Library   30,700   29,994   706   2.3%   Less than budgeted expenses for collection materials purchases, an actual cost of living increase of 1.6% instead of 2% as budgeted, and gapping   Updated apportionment formula.	Total Police Services	165,096	163,671	1,425	0.9%	
Conservation Authorities 5,498 8,026 (2,528) (46.0)% Updated apportionment formula.  Hamilton Beach Rescue Unit 134 134 0 0 0.0% Royal Botanical Gardens 635 635 0 0.0% MPAC 6,715 6,715 0 0.0% Farmers Market 113 166 (54) (47.5)% Updated apportionment formula.  Total Other Boards & Agencies 191 191 0 0.0%  City Enrichment Fund 6,116 6,116 0 0.0%  TOTAL BOARDS & AGENCIES 215,198 215,648 (450) (0.2)%						
Conservation Authorities         5,498         8,026         (2,528)         (46.0)%         Updated apportionment formula.           Hamilton Beach Rescue Unit         134         134         0         0.0%           Royal Botanical Gardens         635         635         0         0.0%           MPAC         6,715         6,715         0         0.0%           Farmers Market         113         166         (54)         (47.5)%         Due to building repairs for overhauling and setting up new stalls as well as facility charges and lower than budgeted stall rental revenue           Total Other Boards & Agencies         43,795         45,670         (1,875)         (4.3)%           Capital Financing - Other Boards & Agencies         191         191         0         0.0%           City Enrichment Fund         6,116         6,116         0         0.0%           TOTAL BOARDS & AGENCIES         215,198         215,648         (450)         (0.2)%	Library	30,700	29,994	706	2.3%	
Hamilton Beach Rescue Unit         134         134         0         0.0%           Royal Botanical Gardens         635         635         0         0.0%           MPAC         6,715         6,715         0         0.0%           Farmers Market         113         166         (54)         (47.5)%         Use to building repairs for overhauling and setting up new stalls as well as facility charges and lower than budgeted stall rental revenue           Total Other Boards & Agencies         191         191         0         0.0%           City Enrichment Fund         6,116         6,116         0         0.0%           TOTAL BOARDS & AGENCIES         215,198         215,648         (450)         (0.2)%	Conservation Authorities	5,498	8,026	(2,528)	(46.0)%	
Royal Botanical Gardens         635         635         635         0         0.0%           MPAC         6,715         6,715         0         0.0%           Farmers Market         113         166         (54)         (47.5)%         Due to building repairs for overhauling and setting up new stalls as well as facility charges and lower than budgeted stall rental revenue           Capital Financing - Other Boards & Agencies         191         191         0         0.0%           City Enrichment Fund         6,116         6,116         0         0.0%           TOTAL BOARDS & AGENCIES         215,198         215,648         (450)         (0.2)%				. , ,	, ,	
MPAC Farmers Market  113 166 (54) 0.0% (47.5)% Due to building repairs for overhauling and setting up new stalls as well as facility charges and lower than budgeted stall rental revenue  Capital Financing - Other Boards & Agencies 191 191 0 0.0%  City Enrichment Fund 6,116 6,116 0 0.0%  TOTAL BOARDS & AGENCIES 215,198 215,648 (450) 0.0%	Royal Botanical Gardens	635	635	0	0.0%	
Total Other Boards & Agencies	•	6,715	6,715	0	0.0%	
Total Other Boards & Agencies         43,795         45,670         (1,875)         (4.3)%           Capital Financing - Other Boards & Agencies         191         191         0         0.0%           City Enrichment Fund         6,116         6,116         0         0.0%           TOTAL BOARDS & AGENCIES         215,198         215,648         (450)         (0.2)%	Farmers Market	113	166	(54)	(47.5)%	
City Enrichment Fund 6,116 6,116 0 0.0%  TOTAL BOARDS & AGENCIES 215,198 215,648 (450) (0.2)%	Total Other Boards & Agencies	43,795	45,670	(1,875)	(4.3)%	The that suggest stall fortal socials
TOTAL BOARDS & AGENCIES 215,198 215,648 (450) (0.2)%	Capital Financing - Other Boards & Agencies	191	191	0	0.0%	
	City Enrichment Fund	6,116	6,116	0	0.0%	
TOTAL EXPENDITURES 931,752 926,287 5,465 0.6%	TOTAL BOARDS & AGENCIES	215,198	215,648	(450)	(0.2)%	
	TOTAL EXPENDITURES	931,752	926,287	5,465	0.6%	

	2019 Approved	2019 Actuals	2019 Actuals .vs Approved Budget		
	Budget	December	\$	%	Comments/Explanations
NON PROGRAM REVENUES					
Payment In Lieu	(15,727)	(16,631)	904	5.7%	Higher Payments in Lieu
Penalties and Interest	(10,500)	(11,979)	1,479	14.1%	Higher Interest and Penalties Received
Right of Way	(3,228)	(3,227)	(1)	(0.0)%	
Senior Tax Credit	587	556	31	5.2%	
Supplementary Taxes	(9,125)	(10,477)	1,352	14.8%	Supplementary taxes exceeded budget
Tax Remissions and Write Offs	9,790	4,965	4,826	49.3%	Prior year allowances on settlements were favourable. Lower Tax Write Offs-includes transfer from allowance was \$8.4M (\$7.1M to offset appeals processed or withdrawn + \$1.25M to offset vacancy rebates)
Hydro Dividend and Other Interest	(5,300)	(4,816)	(484)	(9.1)%	Unbudgeted Administrative Expenses and HUC Dividend Shortfall
Investment Income	(4,100)	(4,100)	0	0.0%	
Slot Revenues	(5,000)	(5,456)	456	9.1%	Higher Slot Revenues
POA Revenues	(2,362)	(3,053)	691	29.2%	Higher POA Net Revenue
Total Non Program Revenues	(44,965)	(54,218)	9,253	20.6%	
TOTAL LEVY REQUIREMENT	886,787	872,069	14,718	1.7%	

## CITY OF HAMILTON COMBINED WATER, WASTEWATER AND STORM SYSTEMS BY PROGRAM REPORT AS AT December 31, 2019

		2019		2019		2019 Actuals	_	2019
		Approved		Actuals		Approved Bud		%
		Budget		at Dec. 31		\$	%	Spent
OPERATING EXPENDITURES:								
Divisional Administration & Support	\$	2,242,620	\$	2,705,823	\$	(463,203)	(20.7%)	120.7%
Woodward Upgrades	\$	1,524,540	\$	1,733,783	\$	(209,243)	(13.7%)	113.7%
Customer Service	\$	421,610	\$	363,191	\$	58,419	13.9%	86.1%
Outreach and Education	\$	1,350,860	\$	1,106,576	\$	244,284	18.1%	81.9%
Service Co-ordination	\$	4,401,610	\$	3,384,309	\$	1,017,301	23.1%	76.9%
Engineering Systems & Data Collection	\$	1,286,870	\$	1,066,799	\$	220,071	17.1%	82.9%
Compliance & Regulations	\$	871,210	\$	824,285	\$	46,925	5.4%	94.6%
Laboratory Services	\$	3,527,640	\$	3,604,592	\$	(76,952)	(2.2%)	102.2%
Environmental Monitoring & Enforcement	\$	1,818,020	\$	2,023,612	\$	(205,592)	(11.3%)	111.3%
Water Distribution & Wastewater Collection	\$	21,369,840	\$	23,882,160	\$	(2,512,320)	(11.8%)	111.8%
Plant Operations & Maintenance	\$	41,383,390	\$	39,536,668	\$	1,846,722	4.5%	95.5%
Capital Delivery	\$	1,859,660	\$	1,866,115	\$	(6,455)	(0.3%)	100.3%
Sustainable Initiatives	\$	1,497,370	\$	1,152,902	\$	344,468	23.0%	77.0%
Infrastructure & Source Water Planning	\$	2,464,770	\$	1,677,950	\$	786,820	31.9%	68.1%
Wastewater Abateman Program	\$	1,150,000	\$	1,295,376	\$	(145,376)	(12.6%)	112.6%
Alectra Utilities Service Contract	\$	5,700,000	\$	5,547,395	\$	152,605	2.7%	97.3%
Corporate & Departmental Support Services	\$	6,432,040	\$	6,699,755	\$	(267,715)	(4.2%)	104.2%
Utilities Arrears Program	\$	500,000	\$	500,000	\$	-	0.0%	100.0%
Gapping Target	\$	(300,000)	\$	-	\$	(300,000)	100.0%	0.0%
Sewer Lateral Management Program	\$	500,000	\$	377,459	\$	122,541	24.5%	75.5%
Hamilton Harbour Remedial Action Plan	\$	395,000	\$	297,261	\$	97,739	24.7%	75.3%
Protective Plumbing Program (3P)	\$	1,250,000	\$	712,704	\$	537,296	43.0%	57.0%
Financial Charges	\$	177,000	\$	496,500	\$	(319,500)	(180.5%)	280.5%
Capital and Reserve Recoveries	\$	(6,099,580)	\$	(5,315,881)	\$	(783,699)	12.8%	87.2%
Total Operating Expenditures	\$	95,724,470	\$	95,539,334	\$	185,136	0.2%	99.8%
Capital and Reserve Impacts on Operating								
Contributions to Capital								
Water Quality Initiatives	\$	51,762,000	\$	51,762,000	\$	-	0.0%	100.0%
Wastewater	\$	42,837,000	\$	42,837,000	\$	-	0.0%	100.0%
Stormwater	\$	3,205,000	\$	3,205,000	\$	-	0.0%	100.0%
Sub-Total Contributions to Capital	\$	97,804,000	\$	97,804,000	\$	-	0.0%	100.0%
Contributions for DC Exemptions								
Water Quality Initiatives	\$	2,547,000	\$	2,892,598	\$	(345,598)	(13.6%)	113.6%
Wastewater	\$	4,590,000	\$	3,798,330	\$	791,670	17.2%	82.8%
Stormwater	\$	1,863,000	\$	2,309,072	\$	(446,072)	(23.9%)	123.9%
Sub-Total Contributions for DC Exemptions	\$	9,000,000	\$	9,000,000	\$	-	0.0%	100.0%
Capital Debt Charges								
Water Quality Initiatives	\$	9,762,487	\$	7,494,538	\$	2,267,949	23.2%	76.8%
Wastewater	۶ \$	10,120,380	۶ \$	8,421,913	۶ \$	1,698,467	16.8%	83.2%
v v asiewalei		, ,					40.2%	59.8%
	Ċ	3 UEU UEE						
Stormwater DC Debt Charges Recoveries	\$ \$	3,950,055 (4,467,237)	\$ ¢	2,362,169 (704,044)	\$ ¢	1,587,886 (3,763,193)	84.2%	15.8%

## CITY OF HAMILTON COMBINED WATER, WASTEWATER AND STORM SYSTEMS BY PROGRAM REPORT AS AT December 31, 2019

	2019 Approved	2019 Actuals	2019 Actuals v Approved Budo		2019 %
Sub-Total Capital Financing	\$ 126,169,685	\$ 124,378,576	\$ 1,791,109	1.4%	98.6%
Transfer to Reserves	\$ 365,324	\$ 697,792	\$ (332,468)	(91.0%)	191.0%
Sub-Total Capital and Reserve Impacts on Operating	\$ 126,535,009	\$ 125,076,368	\$ 1,458,641	1.2%	98.8%
TOTAL EXPENDITURES	\$ 222,259,479	\$ 220,615,702	\$ 1,643,777	0.7%	99.3%
REVENUES:					
Rate Revenue					
Residential	\$ 97,938,766	\$ 100,545,916	\$ 2,607,150	2.7%	97.3%
Industrial Commercial Institutional (ICI)	\$ 107,752,759	\$ 110,569,745	\$ 2,816,986	2.6%	97.4%
Haldimand / Halton	\$ 2,601,064	\$ 2,753,289	\$ 152,225	5.9%	94.1%
Raw Water	\$ 150,000	\$ 95,465	\$ (54,535)	(36.4%)	136.4%
Non-Metered	\$ 580,000	\$ 1,738,796	\$ 1,158,796	199.8%	(99.8%)
Private Fire Lines	\$ 1,550,000	\$ 1,825,286	\$ 275,286	17.8%	82.2%
Hauler / 3rd Party Sales	\$ 1,225,000	\$ 1,686,916	\$ 461,916	37.7%	62.3%
Overstrength Agreements	\$ 2,249,480	\$ 2,925,790	\$ 676,310	30.1%	69.9%
Sewer Surcharge Agreements	\$ 5,200,000	\$ 5,671,309	\$ 471,309	9.1%	90.9%
Sub-Total Utility Rates	\$ 219,247,069	\$ 227,812,512	\$ 8,565,443	3.9%	96.1%
Non-Rate Revenue					
Local Improvement Recoveries	\$ 275,850	\$ 152,652	\$ (123,198)	(44.7%)	144.7%
Permits / Leases / Agreements	\$ 1,365,050	\$ 872,886	\$ (492,164)	(36.1%)	136.1%
Investment Income	\$ 450,000	\$ 450,000	-	0.0%	100.0%
General Fees and Recoveries	\$ 921,510	\$ 1,570,427	\$ 648,917	70.4%	29.6%
Sub-Total Non-Rate Revenue	\$ 3,012,410	\$ 3,045,965	\$ 33,555	1.1%	98.9%
TOTAL REVENUES	\$ 222,259,479	\$ 230,858,477	\$ 8,598,998	3.9%	96.1%
NET SURPLUS	-	\$ 10,242,775	\$ 10,242,775		

## CITY OF HAMILTON BUDGETED COMPLEMENT TRANSFER SCHEDULE

#### STAFF COMPLEMENT CHANGE

### Complement Transfer to another division or department (1)

ITEM#	TRANSFER FROM				TRANSFER TO					
	<u>Department</u>	<u>Division</u>	Position Title (2)	FTE	<u>Department</u>	<u>Division</u>	Position Title (2)	FTE		
1	PED	GM Office	Admin Secretary	1.0	PED	Transportation Planning and Parking	Admin Secretary	1.0		
	Explanation: Move 1.0 FTE to provide administrative work within the Transportation Planning and Parking Division.									

**Note** - Complement transfers include the transfer of corresponding budget.

- (1) All other budgeted complement changes that require Council approval per Budgeted Complement Control Policy must be done through either separate report or the budget process (i.e. Increasing/decreasing budgeted complement).
- (2) If a position is changing, the impact of the change is within 1 pay band unless specified.



#### **CITY OF HAMILTON**

## **CORPORATE SERVICES DEPARTMENT Legal and Risk Management Services Division**

то:	Mayor and Members Committee of the Whole					
COMMITTEE DATE:	April 29, 2020					
SUBJECT/REPORT NO:	Red Hill Valley Parkway Inquiry Update (LS19036(a)) (City Wide)					
WARD(S) AFFECTED:	City Wide					
PREPARED BY:	Nicole Auty (905) 546-2424 Ext. 4636					
SUBMITTED BY:	Nicole Auty City Solicitor Legal and Risk Management Services					
SIGNATURE:	n. auty					

#### **RECOMMENDATION(S)**

- (a) That report LS19036(a) be received; and
- (b) That Council approve the direction provided in Confidential Appendix "A"; and
- (c) That Confidential Appendix "A" and Confidential Appendix "B" remain confidential.

#### **EXECUTIVE SUMMARY**

On April 24<sup>th</sup>, 2019 Council directed staff to provide regular updates on the costs to date of the Judicial Inquiry, to be paid from the Tax Stabilization Reserve.

This report provides both an update on the status of the Inquiry from the City's legal representatives at Lenczner Slaght Royce Smith Griffin LLP ("Lenczner Slaght") and the costs to date of the Inquiry.

#### Alternatives for Consideration – N/A

#### FINANCIAL - STAFFING - LEGAL IMPLICATIONS

Financial: The costs of the Inquiry to date are outlined in the following chart, representing external legal fees for the Commissioner, the City and associated other expenses.

**Date: To March 31, 2020** 

City	\$ 714,228.53
Commissioner	\$ 1,141,883.33
Other expenses	\$ 44,883.24
Total	\$ 1,900,995.10

Staffing: A temporary contract staff position has been added to the Legal Services Department to support staff as the Inquiry preparations are on-going. This

position is funded from the Tax Stabilization reserve.

Legal: The legal implications are outlined in the attached appendix "A" from external

legal counsel.

#### HISTORICAL BACKGROUND

In early 2019, the City of Hamilton received information regarding a 2013 friction report related to the Red Hill Valley Parkway.

On April 24, 2019, the City passed a resolution pursuant to s. 274 of the *Municipal Act,* 2001 requesting the Chief Justice of Ontario to appoint a Superior Court judge to investigate matters related to the disclosure of the friction report.

The Honourable Mr. Justice Herman J. Wilton-Siegel was appointed to preside over the inquiry in May 2019. The Commissioner has retained Robert Centa of Paliare Roland Rosenberg Rothstein LLP to act as counsel to the Commission. The City has retained Eli Lederman and Delna Contractor of Lenczner Slaght to act as counsel to the City in the Inquiry.

There are six overlapping stages to a judicial inquiry:

#### SUBJECT: Red Hill Valley Parkway Inquiry Update (LS19036(a)) (City Wide) - Page 3 of 4

- 1) Logistics and Staff: the Commissioner hires staff necessary to conduct the inquiry, including lawyers, a communications officer and a chief administration officer, and obtains office space from which to conduct the inquiry.
- 2) Collecting Documents: Counsel to the City obtains and reviews data (documents, emails, reports, etc.) that are in the City's possession and may be relevant to the work of the inquiry. The relevant data is processed and provided to Commission Counsel in an agreed upon electronic format.
- 3) Interviewing Witnesses: individuals that may have knowledge or information relevant to the work of the inquiry will be interviewed first by Counsel to the City and then by the Commissioner and his Counsel.
- 4) Standing: the Commissioner established a process through which members of the public applied to participate in the inquiry and to receive funding from the City. The Commissioner issued a decision with respect to standing and funding on February 12, 2020.
- 5) The Hearing: the Commissioner will hold a public hearing where key witnesses will be examined.
- 6) The Report: the Commissioner will draft a report at the conclusion of the public hearing, which will include a description of the evidence and the Commissioner's findings and conclusions.

The first, second and third stages (logistics, document collection and interviewing witnesses) are well underway. The fourth stage (the standing process) is completed. We note that the first three stages above are taking place in tandem with the litigation, in which the City is represented by Gowling WLG.

#### POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Not applicable.

#### **RELEVANT CONSULTATION**

Not applicable.

#### ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

The analysis for the recommendations is set out in the appendix from external legal counsel.

#### ALIGNMENT TO THE 2016 - 2025 STRATEGIC PLAN

#### **Community Engagement and Participation**

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

#### APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report LS19036(a) – Report to Council from Lenczner Slaght - Confidential

Appendix "B" to Report LS19036(a) – Appendix to report from Lenczner Slaght – Confidential

# CITY OF HAMILTON M O T I O N

Council Date: April 29, 2020

MOVED BY COUNCILLOR M. PEARSON	
SECONDED BY COUNCILLOR B. CLARK	
Recognizing Ken Curry	

WHEREAS, Ken Curry, the last surviving Royal Hamilton Light Infantry (RHLI) Veteran to have fought at Dieppe has passed away;

WHEREAS, Ken Curry was a volunteer firefighter in Stoney Creek; and

WHEREAS, the City of Hamilton recognizes individuals who have made significant contributions to the public life and well-being of the City of Hamilton through the naming of municipal facilities and properties.

THEREFORE, BE IT RESOLVED

That the Facility Naming Sub-Committee include 'Ken Curry' on the list of names for a municipal facility and/or property in Stoney Creek.

### **CITY OF HAMILTON**

### **MOTION**

Council Date: April 29, 2020

MOVED BY COUNCILLOR	R L. FERGUSON	
SECONDED BY COUNCIL	LOR	
Properties of Potential Cultur	ral Heritage Interest in Anca	ıster
WHEREAS the following prope properties" and being 40 in tota Section B.2.8.3 of the of the An Street to Dalley Drive, are listed protection from demolition under	nl) located in the Village Core acaster Wilson Street Second d on the City's Heritage Inven	of Ancaster, as defined in ary Plan, from Rousseaux
WHEREAS the list below includ A of the Ancaster Wilson Street since the Ancaster Wilson Street 2015;	t Secondary Plan and propert	ies that have been listed
<ul> <li>490 Old Dundas Rd</li> <li>469 Wilson Street E</li> <li>454 Wilson Street E</li> <li>450 Wilson Street E</li> <li>449 Wilson Street E</li> <li>442 Wilson Street E</li> <li>437 Wilson Street E</li> <li>430 Wilson Street E</li> <li>426 Wilson Street E</li> <li>425 Wilson Street E</li> <li>420 Wilson Street E</li> <li>419 Wilson Street E</li> <li>413 Wilson Street E</li> </ul>	<ul> <li>406 Wilson Street E</li> <li>400 Wilson Street E</li> <li>380 Wilson Street E</li> <li>370 Wilson Street E</li> <li>363 Wilson Street E</li> <li>357 Wilson Street E</li> <li>347 Wilson Street E</li> <li>346 Wilson Street E</li> <li>340 Wilson Street E</li> <li>335 Wilson Street E</li> <li>327 Wilson Street E</li> <li>327 Wilson Street E</li> <li>326 Wilson Street E</li> <li>323 Wilson Street E</li> </ul>	<ul> <li>303 Wilson Street E</li> <li>297 Wilson Street E</li> <li>289 Wilson Street E</li> <li>287 Wilson Street E</li> <li>286 Wilson Street E</li> <li>283 Wilson Street E</li> <li>280 Wilson Street E</li> <li>277 Wilson Street E</li> <li>265 Wilson Street E</li> <li>231 Wilson Street E</li> <li>213 Wilson Street E</li> <li>176 Wilson Street E</li> </ul>

WHEREAS there is concern that the properties may be lost to demolition or subject to significant alterations prior to a full assessment of their cultural heritage value;

• 412 Wilson Street E • 311 Wilson Street E

WHEREAS including the properties on the Municipal Heritage Register as nondesignated properties under Section 27(1.2) of the Ontario Heritage Act provides the properties with interim, 60-day protection from demolition;

WHEREAS a preliminary evaluation of cultural heritage value or interest of the properties indicate they meet the criteria specified in Ontario Regulation 9/06, including but not limited to:

- Historical Associations Located within the historic village core of Ancaster, these properties are associated with the history, growth and development of the village. Through further research, the properties have the potential to yield additional information which may contribute to an historic or contemporary understanding of the community;
- Physical and Architectural Design Dating from the 19th-century to the mid-20th century, the properties can be considered representative examples of a variety of vernacular Ontario architectural types. Through further research, the properties may be found to display high degrees of craftsmanship, artistic merit, or technical achievement: and.
- Contextual Value These properties are important in defining and maintaining the historic character of the Ancaster Village core. Given their location within the Village core, the properties are physically, visually, and historically linked to their surroundings. Through further research, the properties may be identified as local landmarks that contribute to our understanding of the development of the Ancaster community; and,

WHEREAS including the properties on the Register and staff's designation work plan supports the policies of the Ancaster Wilson Street Secondary Plan, specifically Section B.2.8.13 and Appendix A – Character Areas and Heritage Features, being objectives to retain and conserve historical buildings, structures, or features on their original sites and seek adaptive re-use and preservation of existing buildings before new development or redevelopment is considered;

#### THEREFORE BE IT RESOLVED:

- That the following properties be added to the City's Municipal Heritage Register (a) as non-designated properties, after consultation with the Hamilton Municipal Heritage Committee; and
  - 490 Old Dundas Rd
  - 469 Wilson Street E
  - 454 Wilson Street E
  - 450 Wilson Street E

  - 449 Wilson Street E
  - 442 Wilson Street E
  - 437 Wilson Street E

- 406 Wilson Street E
- 400 Wilson Street E
- 380 Wilson Street E
- 370 Wilson Street E
- 363 Wilson Street E
- 357 Wilson Street E
- 347 Wilson Street E

- 303 Wilson Street E
- 297 Wilson Street E
- 289 Wilson Street E
- 287 Wilson Street E
- 286 Wilson Street E
- 283 Wilson Street E
- 280 Wilson Street E

- 430 Wilson Street E
- 426 Wilson Street E
- 425 Wilson Street E
- 420 Wilson Street E
- 419 Wilson Street E
- 413 Wilson Street E
- 412 Wilson Street E

- 346 Wilson Street E
- 340 Wilson Street E
- 335 Wilson Street E
- 327 Wilson Street E
- 326 Wilson Street E
- 323 Wilson Street E
- 311 Wilson Street E

- 277 Wilson Street E
- 265 Wilson Street E
- 231 Wilson Street E
- 213 Wilson Street E
- 176 Wilson Street E
- (b) That Cultural Heritage staff in the Development Planning, Heritage and Design Section be directed to add the following properties to staff's designation work plan and be assigned high priority for completion:
  - 490 Old Dundas Rd
  - 469 Wilson Street E
  - 454 Wilson Street E
  - 450 Wilson Street E
  - 449 Wilson Street E
  - 449 Wilson Street E
     442 Wilson Street E
  - 437 Wilson Street E
  - 400 Wilean Chroat E
  - 430 Wilson Street E
  - 426 Wilson Street E
  - 425 Wilson Street E
  - 420 Wilson Street E
  - 419 Wilson Street E
  - 413 Wilson Street E
  - 412 Wilson Street E

- 406 Wilson Street E
- 400 Wilson Street E
- 380 Wilson Street E
- 370 Wilson Street E
- 363 Wilson Street E
- 357 Wilson Street E
- 347 Wilson Street E
- 346 Wilson Street E
- 340 Wilson Street E
- 335 Wilson Street E
- 327 Wilson Street E
- 326 Wilson Street E
- 323 Wilson Street E
- 311 Wilson Street E

- 303 Wilson Street E
- 297 Wilson Street E
- 289 Wilson Street E
- 287 Wilson Street E
- 286 Wilson Street E
- 283 Wilson Street E
- 280 Wilson Street E
- 277 Wilson Street E
- 265 Wilson Street E
- 231 Wilson Street E
- 213 Wilson Street E
- 176 Wilson Street E

## CITY OF HAMILTON MOTION

Council Date: April 29, 2020

MOVED BY COUNCILLOR T. JACKSON
SECONDED BY COUNCILLOR
Mayor's Task Force on Economic Recovery

WHEREAS, the COVID-19 pandemic, as much as it is a public health challenge, is also an economic challenge;

WHEREAS, the health and safety of our community remain our primary concern, we also need to begin to look beyond COVID-19 pandemic to ensure our local economy is well-positioned to rebound from this crisis as quickly as possible,

WHEREAS, several short-term measures, including the City of Hamilton's Property Tax Assistance Program, have been initiated to attempt to mitigate some of the impact caused by the pandemic;

WHEREAS, the City of Hamilton has recently completed a Business Impact Survey in conjunction with the Flamborough, Hamilton and Stoney Creek Chambers of Commerce, all thirteen Business Improvement Associations and Workforce Planning Hamilton; and

WHEREAS, the business survey has identified the economic impacts of COVID19 on key industry groups in Hamilton.

#### THEREFORE BE IT RESOLVED:

- (a) That the Director of Economic Development and Director of Tourism and Culture, develop a Terms of Reference for the creation of a *Mayor's Task Force on Economic Recovery* to position the City of Hamilton for long term economic recovery and report back with a proposed Terms of Reference to Council for approval;
- (b) That the Task Force be comprised of, but not limited to, representatives of local business, industry, labour, and the academic community who will provide advice on solutions to achieve long term economic recovery;
- (C) That Economic Development staff provide Council with a complete report of the Business Impact Survey findings once they have been compiled.

**Authority:** Item 12, Committee of the Whole

Report 01-033 (PD01184) CM: October 16, 2001

Ward: 11

**Bill No. 084** 

#### CITY OF HAMILTON

#### **BY-LAW NO. 20-**

Respecting Removal of Part Lot Control Block 92 (Parts 1-7), Registered Plan No. 62M-1249 "Empire Caterini, Phase 1", municipally known as 316, 318, 320, 322, 324, 326, and 328 Pumpkin Pass

**WHEREAS** the sub-section 50(5) of the <u>Planning Act</u>, (R.S.O. 1990, Chapter P.13, as amended, establishes part-lot control on land within registered plans of subdivision;

**AND WHEREAS** sub-section 50(7) of the *Planning Act*, provides as follows:

"(7) **Designation of lands not subject to part lot control.** -- Despite subsection (5), the council of a local municipality may by by-law provide that subsection (5) does not apply to land that is within such registered plan or plans of subdivision or parts of them as are designated in the by-law."

**AND WHEREAS** the Council of the City of Hamilton is desirous of enacting such a by-law with respect to the lands hereinafter described;

**NOW THEREFORE** the Council of the City of Hamilton enacts as follows:

1. Sub-section 5 of Section 50 of the <u>Planning Act</u>, for the purpose of creating 7 residential parcels for street townhouse dwellings, shown as Parts 1 to 7, inclusive, on deposited Reference Plan 62R-21352, shall not apply to the portion of the registered plan of subdivision that is designated as follows, namely:

Block 92, Registered Plan No. 62M-1249, in the City of Hamilton.

- 2. This by-law shall be registered on title to the said designated land and shall come into force and effect on the date of such registration.
- 3. This by-law shall expire and cease to be of any force or effect on the 29<sup>th</sup> day of April, 2022.

**PASSED** this 29<sup>th</sup> day of April, 2020.

F. Eisenberger	A. Holland	
Mayor	City Clerk	

Authority: Item 6, General Issues Committee

Report 19-023 (PED19210) CM: November 13, 2019

Ward: 8

**Bill No. 085** 

### CITY OF HAMILTON BY-LAW NO. 20-

## To Establish City of Hamilton Land Described as Part 1 on Plan 62R-21218 as Part of Inverness Avenue East

**WHEREAS** sections 8, 9 and 10 of the *Municipal Act, 2001* authorize the City of Hamilton to pass by-laws necessary or desirable for municipal purposes, and in particular by-laws with respect to highways; and

**WHEREAS** section 31(2) of the *Municipal Act, 2001* provides that land may only become a highway by virtue of a by-law establishing the highway.

**NOW THEREFORE** the Council of the City of Hamilton enacts as follows:

- 1. The land, owned by and located in the City of Hamilton, described as Part 1 on Plan 62R-21218, is established as a public highway, forming part of Part of Inverness Avenue East.
- 2. The General Manager of Public Works or their authorized agent is authorized to establish the said land as a public highway.
- 3. This By-law comes into force on the date of its registration in the Land Registry Office (No. 62).

<b>PASSED</b> this 29 <sup>th</sup> day of April, 2020.		
F. Eisenberger	A. Holland	
Mayor	City Clerk	

Authority: Item 6, General Issues

Committee Report 19-023

(PED19210)

CM: November 13, 2019

Ward: 8

**Bill No. 086** 

### CITY OF HAMILTON BY-LAW NO. 20-

To Establish City of Hamilton Land
Described as Parts 2 & 3 on Plan 62R-21218
as Part of Upper Wellington Street

**WHEREAS** sections 8, 9 and 10 of the *Municipal Act, 2001* authorize the City of Hamilton to pass by-laws necessary or desirable for municipal purposes, and in particular by-laws with respect to highways; and

**WHEREAS** section 31(2) of the *Municipal Act, 2001* provides that land may only become a highway by virtue of a by-law establishing the highway.

**NOW THEREFORE** the Council of the City of Hamilton enacts as follows:

- 1. The land, owned by and located in the City of Hamilton, described as Parts 2 & 3 on Plan 62R-21218, is established as a public highway, forming part of Part of Upper Wellington Street.
- 2. The General Manager of Public Works or their authorized agent is authorized to establish the said land as a public highway.
- 3. This By-law comes into force on the date of its registration in the Land Registry Office (No. 62).

<b>PASSED</b> this 29 <sup>th</sup> day of April, 2020.		
F. Eisenberger	A. Holland	
Mayor	City Clerk	

Authority: Item 5.4(e) (PED20083)

CM: April 29, 2020

Ward: 7

**Bill No. 087** 

### CITY OF HAMILTON BY-LAW NO. 20-

To Establish City of Hamilton Land
Described as Part 2 on Plan 62R-20462, Parts 1 and 2 on Plan 62R-20143, and Part
2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-20487 as Part of
Upper Sherman Avenue

**WHEREAS** sections 8, 9 and 10 of the *Municipal Act, 2001* authorize the City of Hamilton to pass by-laws necessary or desirable for municipal purposes, and in particular by-laws with respect to highways; and

**WHEREAS** section 31(2) of the *Municipal Act, 2001* provides that land may only become a highway by virtue of a by-law establishing the highway.

**NOW THEREFORE** the Council of the City of Hamilton enacts as follows:

- 1. The land, owned by and located in the City of Hamilton, described as Part 2 on Plan 62R-20462, Parts 1 and 2 on Plan 62R-20143, and Part 2 on Plan 62R-20463, save and except Parts 1 and 2 on Plan 62R-20487, is established as a public highway, forming part of Upper Sherman Avenue.
- 2. The General Manager of Public Works or their authorized agent is authorized to establish the said land as a public highway.
- 3. This By-law comes into force on the date of its registration in the Land Registry Office (No. 62).

<b>PASSED</b> this 29 <sup>th</sup> day of April, 2020.		
F. Eisenberger	A. Holland	
Mayor	City Clerk	

#### THE CITY OF HAMILTON

#### **BY-LAW NO. 20-**

To Confirm the Proceedings of City Council at its meeting held on April 29, 2020

## THE COUNCIL OF THE CITY OF HAMILTON ENACTS AS FOLLOWS:

1. The Action of City Council at its meeting held on the 29<sup>th</sup> of April, 2020 in respect of each recommendation contained in,

Committee of the Whole Report 20-004, April 29, 2020

considered by City of Hamilton Council at the said meeting, and in respect of each motion, resolution and other action passed and taken by the City Council at its said meeting, is, except where prior approval of the Ontario Municipal Board is required, hereby adopted, ratified and confirmed.

2. The Mayor of the City of Hamilton and the proper officials of the City of Hamilton are hereby authorized and directed to do all things necessary to give effect to the said action or to obtain approvals where required, and except where otherwise provided, the Mayor and the City Clerk are hereby directed to execute all documents necessary in that behalf, and the City Clerk is hereby authorized and directed to affix the Corporate Seal of the Corporation to all such documents.

**PASSED** this 29<sup>th</sup> day of April, 2020.

F. Eisenberger	A. Holland
Mayor	City Clerk