



Conservation Halton Board Agenda

Conservation Halton

2596 Britannia Road W, Burlington, ON L7P OG3

Feb 16, 2023 12:45 PM - 1:45 PM EST

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Conservation Halton Board of Directors Meeting Minutes

Conservation Halton

Nov 17, 2022, at 12:30 PM EST

1. Roll Call & Mileage

Members Present:

Hamza Ansari
Mike Cluett
Joanne Di Maio
Cathy Duddeck
Allan Elgar
Dave Gittings
Steve Gilmour
Zeeshan Hamid
Gordon Krantz
Marianne Meed Ward
Rory Nisan
Gerry Smallegange
Jim Sweetlove
Jean Williams

Members absent with regrets: Rob Burton

Rick Di Lorenzo
Bryan Lewis
Zobia Jawed
Moya Johnson

Guests present:

Peter Pickfield, Partner, Garrod Pickfield LLP
Konstantine Stavrakos, Legal Counsel, O'Connor Macleod Hanna LLP

Staff present:

Colleen Bain, Environmental Planner
Kim Barrett, Associate Director, Science & Partnerships
Hassaan Basit, President & CEO
Garner Beckett, Executive Director Foundation
Jessica Bester, Senior Environmental Planner
Adriana Birza, Senior Advisor, Office of the President & CEO
Niamh Buckley, Admin Assistant, Office of the President & CEO
Shelly Datseris, Manager, Communications & Marketing
Nigel Finney, Project Manager, Restoration & Conservation
Matt Howatt, Manager Policy & Special Initiatives
Martin Keller, Senior Manager, Watershed Planning & Source Protection
Craig Machan, Director, Parks & Operations
Kellie McCormack, Director, Planning & Regulations
Marnie Piggot, Director, Finance
Plezzie Ramirez, Director, HR
Pavan Seth, Procurement Manager
Leah Smith, Manager, Environmental Planning
Sean Stewart, Environmental Planner
Mark Vytvytskyy, Chief Operating Officer

Barb Veale, Sen. Director, Watershed Strategies & Climate Change
Justin Wei, Senior Manager, Finance

The Chair called the meeting to order at 12:30 p.m.

2. Disclosure of Pecuniary Interest for Conservation Halton Board of Directors

There were **no disclosures of pecuniary interest**.

3. Approval of AMENDED Agenda

CHBD 07 01

Moved by: Cathy Duddeck
Seconded by: Allan Elgar

THAT the **AMENDED Agenda be approved**.

4. Consent Items

- 4.1 Approval of September 22 Conservation Halton Board of Directors Meeting Minutes
- 4.2 Approval of November 1 Finance & Audit Committee Meeting Minutes
- 4.3 Approval of November 2 Governance & Risk Committee Meeting Minutes
- 4.4 Health & Safety Update (Q2 - Q3 2022)
(CHBD 07 22 01)
- 4.5 Purchasing Activity Report - August 1, 2022 - October 31, 2022 - November Board
(CHBD 07 22 02)
- 4.6 Permits & Letters of Permission issued under Ontario Regulation 162/06 from July 1, 2022, to September 30, 2022 (Q3 2022)
(CHBD 07 22 03)
- 4.7 Public Engagement Update - East Burlington Creeks Flood Hazard Mapping
CH File No. ADM 356 and Urban Milton Flood Hazard Mapping Study
CH File No. ADM 347
(CHBD 07 22 04)
- 4.8 Final Report – Municipal Natural Assets Initiative Grindstone Creek Project
CH File No.: ADM 344
(CHBD 07 22 05)
- 4.9 Two-year work plan 2022-2024 Source Water
(CHBD 07 22 06)

5. Action Items

- 5.1 Amendments to CH By-Law No. 2018-01 (rev. Nov 25, 2021)
(CHBD 07 22 07)

CHBD 07 02

Moved by: Jim Sweetlove
Seconded by: Jean Williams

THAT the Conservation Halton Board of Directors **approves the amendments to the Halton Region Conservation Authority General Membership By-law 2018-01 (Re. November 2021) as recommended by the Governance and Risk Committee at the meeting held on November 2, 2022.**

Carried

5.2 Ninth Line Subwatershed Study Endorsement
(CHBD 07 22 08)

CHBD 07 03

Moved by: Jean Williams
Seconded by: Rory Nisan

THAT the Conservation Halton Board of Directors **endorses the Ninth Line Lands Scoped Subwatershed Study, specifically the management recommendations that relate to areas regulated by Conservation Halton.**

And

THAT the Conservation Halton Board of Directors **receives for information the Staff report entitled “Ninth Line Lands Scoped Subwatershed Study, City of Mississauga”.**

Carried

5.3 Proposed construction of a first floor and partial second floor addition within 15 metres of the erosion associated with Sixteen Mile Creek, 408 Trafalgar Road, Town of Oakville/CH File No. A/22/O/86 (CHBD 07 22 09) Proposed construction of an underground parking garage within 7.5 metres of the floodplain associated with East Morrison Creek, 3071 and 3079 Trafalgar Road, Town of Oakville CH File No. A/22/O/62 (CHBD 07 22 09)

CHBD 07 04

Moved by: Dave Gittings
Seconded by: Cathy Duddeck

THAT the Conservation Halton Board of Directors **approves the issuance of a permit for the construction of a first floor and partial second floor addition within 15 metres of the erosion associated with Sixteen Mile Creek at 408 Trafalgar Road, Town of Oakville (CH File No. A/22/O/86);**

And

THAT the Conservation Halton Board of Directors **receives the staff report entitled “Proposed construction of a first floor and partial second floor addition within 15 metres of the erosion associated with Sixteen Mile Creek, 408 Trafalgar Road, Town of Oakville (CH File No. A/22/O/86)”.**

Carried

5.4 Proposed construction of an underground parking garage within 7.5 metres of the floodplain associated with East Morrison Creek, 3071 and 3079 Trafalgar Road, Town of Oakville
CH File No. A/22/O/62
(CHBD 07 22 10)

CHBD 07 05

Moved by: Mike Cluett
Seconded by: Zeeshan Hamid

THAT the Conservation Halton Board of Directors **approves the issuance of a permit for the construction of an underground parking garage within 7.5 metres of the floodplain associated with East Morrison Creek, 3071 and 3079 Trafalgar Road, Town of Oakville**
CH File No. A/22/O/62;

And

THAT the Conservation Halton Board of Directors **receives the staff report entitled “Proposed construction of an underground parking garage within 7.5 metres of the floodplain associated with East Morrison Creek, 3071 and 3079 Trafalgar Road, Town of Oakville”.**

Carried

5.5 Spill Flood Hazard Policy Directions CH File No.: ADM 343
(CHBD 07 22 11)

CHBD 07 06

Moved by: Rory Nisan
Seconded by: Allan Elgar

THAT the Conservation Halton Board of Directors **endorses the recommendations and policy directions in the report entitled “Spill Flood Hazard Policy Directions”.**

Carried

5.6 Proposed re-development of 2082, 2086, 2090 James Street, City of Burlington
Site Plan Application 535-007/20
(CHBD 07 22 12)

CHBD 07 07

Moved by: Rory Nisan
Seconded by: Joanne Di Maio

THAT the Conservation Halton Board of Directors **approves site-specific permit requirements to allow for the redevelopment of 2082, 2086, 2090 James Street, City of Burlington;**

And

THAT the Conservation Halton Board of Director **directs staff to issue a permit for the proposed construction of a new multi-unit residential building and associated driveway/walkways, retaining walls, underground parking structure, grading and watercourse alteration within the erosion and flooding hazards and related allowances associated with Lower Rambo Creek if all requirements are met.**

And

THAT the Conservation Halton Board **receives the Staff report entitled “Proposed re-development of 2082, 2086, 2090 James Street, City of Burlington”.**

Carried

5.7 Proposed 2023 Plan Review and Permit Application Fees CH File Number: ADM 049
(CHBD 07 22 13)

CHBD 07 08

Moved by: Allan Elgar
Seconded by: Steve Gilmour

THAT the Conservation Halton Board **approves the proposed 2023 fees outlined in the staff report entitled “Proposed 2022 Plan Review and Permit Application Fees,” dated November 17, 2022, with an effective date of January 1, 2023;**

And

THAT the Conservation Halton Board of Directors **directs staff to provide appropriate notice to municipalities and neighbouring conservation authorities and post the revised fee schedules to Conservation Halton’s website.**

Carried

5.8 Conservation Halton Fee Policy
(CHBD 07 22 14)

CHBD 07 09

Moved by: Jim Sweetlove
Seconded by: Jean Williams

THAT the Conservation Halton Board of Directors **approves the Conservation Halton Fee Policy attached to this report.**

Carried

5.9 Temporary Reappointment of Conservation Halton Foundation Board Member
(CHBD 07 22 15)

CHBD 07 10

Moved by: Steve Gilmour
Seconded by: Jim Sweetlove

THAT the Conservation Halton Board of Directors **approves the temporary reappointment of the following Board member until the Conservation Halton Foundation Annual General Meeting (AGM) on April 5, 2023:**

- **Don Ford**

Carried

5.10 Budget Variance Report for the Period Ended September 30, 2022, and 2022 Projected Year-End Amounts
(CHBD 07 22 16)

CHBD 07 11

Moved by: Dave Gittings
Seconded by: Cathy Duddeck

THAT the Conservation Halton Board of Directors **approves an increase in the capital budget of \$640,750 for park capital projects noted on the Capital Project Financial Appendix and funded by additional grants and other funding;**

And

THAT the Conservation Halton Board of Directors **approves a transfer to the Conservation Areas Revenue Stabilization Reserve totaling \$416,000 to meet the 2022 reserve target level from the 2022 projected parks operating surplus;**

And

THAT the Conservation Halton Board of Directors **receives for information the staff report dated November 17, 2022 on the Budget Variance Report for the period ended September 30, 2022 and 2022 Projected Year-End Amounts.**

Carried

5.11 2023 Budget & Business Plan
(CHBD 07 22 17)

CHBD 07 12

Moved by: Rory Nisan
Seconded by: Zeeshan Hamid

THAT municipal funding of \$11,298,835 in the 2023 budget **be approved by a weighted majority vote by Conservation Halton Board of Directors based on the 2023 budget municipal apportionment;**

And

THAT transfers to and from Reserves in the 2023 budget **be approved as outlined in this report;**

And

THAT the 2023 Budget & Business Plan ***be approved as presented.***

Carried

5.12 Bill 23: More Homes Built Faster Act, 2022 CH File No.: PPO 068
(CHBD 07 22 22)

CHBD 07 13

Moved by: Joanne Di Maio
Seconded by: Jean Williams

THAT the Conservation Halton Board of Directors **endorses the comments and recommendations outlined in this report;**

And

THAT the Conservation Halton Board of Directors **directs staff to send the report as Conservation Halton's submission to the Province on Bill 23 and the related postings on the Environmental Registry of Ontario (ERO);**

And

THAT the Conservation Halton Board of Directors **receives for information the staff report entitled "Conservation Halton Response to Bill 23, More Homes Built Faster Act, 2022."**

Carried

6. In Camera**CHBD 07 14**

Moved by: Jean Williams
Seconded by: Zeeshan Hamid

THAT the Conservation Halton Board of Directors **move In Camera.**

Carried

6.1 Legal Matter

6.2 Verbal Update

6.3 Legal Matter
(CHBD 07 22 18)

6.4 Legal Matter
(CHBD 07 22 19)

6.5 Legal Matter
(CHBD 07 22 20)

6.6 Legal Matter
(CHBD 07 20 23)

6.6 Personnel Matter
(CHBD 07 22 21)

CHBD 07 15

Moved by: Jean Williams
Seconded by: Zeeshan Hamid

THAT the Conservation Halton Board of Directors **reconvene in Public Forum**

THAT the Conservation Halton Board of Directors **receives for information the staff report containing a summary of Conservation Halton's (CH) top enterprise risks.**

And

That staff **proceeds as directed by the Conservation Halton Board of Directors in Camera.**

Carried

7. Other Business

There was **no other business**

8. Adjournment

CHBD 07 16

Moved by: Marianne Meed Ward

THAT the Conservation Halton Board of Directors meeting **be adjourned at 1:31 p.m.**

Carried

Signed by: Hassaan Basit, President & CEO

Date: February 16, 2023

REPORT TO: Conservation Halton Board

REPORT NO: # CHBD 01 23 01

FROM: Mark Vytvytskyy, Chief Operating Officer

DATE: February 16, 2023

SUBJECT: Purchasing Activity Memo – November 1, 2022, to January 31, 2023

Recommendation

THAT the Conservation Halton Board **receives for information the Purchasing Memo for the period of November 1, 2022, to January 31, 2023, in accordance with the Conservation Halton Purchasing Policy.**

Report

The following report summarizes purchases to be reported during the period of November 1, 2022, to January 31, 2023. The Conservation Halton (CH) Purchasing Policy requires single or sole source purchases greater than \$25,000 (not including taxes) and Requests for Proposals awarded up to a value of \$100,000 (not including taxes) and Tenders awarded from a value of \$100,000.00 up to a value of \$350,000 (not including taxes) to be reported to the Board for information. Request for Proposal/Quotation award recommendations that exceed \$100,000.00 (not included taxes) and Tenders that exceed \$350,000.00 (not including taxes) will be subject to Board approval prior to award.

Tender values between \$100,000.00 and \$350,000.00 reported to the Board for information:

Vendor	Amount (excluding HST)	Details
NPM Construction Inc.	\$180,683.32	NPM Construction Inc. was awarded the Cameron Courtyard Mountsberg Construction contract as a result of RFT 041122 publicly issued on November 4, 2022. Contractor awarded on the basis of being the lowest compliant bid received.
Renew Electric	\$224,162.61	Renew Electric was awarded the Area 8 Supply & Install Bollard Lighting contract as a result of RFT 082922 publicly issued on the August 29, 2022. Contractor awarded on the basis of being the lowest compliant bid received. Funding secured via the CCRF Grant.

Request for Proposals/Quotations up to \$100,000.00 reported to the Board for information:

Vendor	Amount (excluding HST)	Details
Octacom Ltd.	\$36,160.00	Octacom Limited has been awarded the CH Record Digitization (Pilot) project as a result of achieving the highest overall score associated with RFP 210722, publicly issued July 21, 2022.

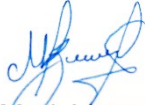
Impact on Strategic Goals

This report supports the Momentum strategic priority “Organizational Sustainability” by ensuring consistent and transparent processes are in place for reporting large purchases.

Financial Impact

There is no financial impact to this report.

Signed & respectfully submitted:



Mark Vytvytskyy
Chief Operations Officer

Approved for circulation:



Hassaan Basit
Chief Executive Officer

FOR QUESTIONS ON CONTENT:

Pavan Seth, Procurement Manager
pseth@hrca.on.ca, 905.336.1158 x2249

REPORT TO: Conservation Halton Board

REPORT NO: CHBD 01 23 02

FROM: Kellie McCormack, Director, Planning & Regulations

DATE: February 16, 2023

SUBJECT: **Permits & Letters of Permission issued under Ontario Regulation 162/06 from October 1 to December 31, 2022**

Recommendation

THAT the Conservation Halton Board **receives for information, the staff report entitled “Permits and Letters of Permission issued under Ontario Regulation 162/06 from October 1 to December 31, 2022”.**

Report

Between October 1 to December 31, 2022, Conservation Halton (CH) staff issued 85 Permits and 10 Letters of Permission (Appendix A). All approvals were reviewed and approved in accordance with Board approved policies contained in CH's *Policies and Guidelines for the Administration of Ontario Regulation 162/06 and Land Use Planning Policy Document April 27, 2006, last amended, November 26, 2020*.

Impact on Strategic Priorities

This report supports the Momentum priority of Natural Hazards and Water.

Financial Impact

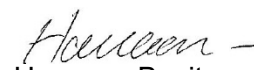
CH staff work with permit applicants to address their needs while meeting Board approved policies for administering Ontario Regulation 162/06. Fees for permits are based on staff time and effort required to process different types of applications as approved by the Board.

Signed & respectfully submitted:



Kellie McCormack
Director, Planning & Regulations

Approved for circulation:



Hassaan Basit
President & CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

Kellie McCormack, Director, Planning & Regulations; 905-336-1158 x2228; kmccormack@hrca.on.ca

Charles Priddle, Manager, Regulations Program;
905-336-1158 x2276; cpriddle@hrca.on.ca

Appendix A

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
Burlington						
A/22/B/102	8316	1300 Kilbride Street	Construction of a covered porch over an existing concrete porch within 120 metres of a Provincially Significant Wetland (PSW) and within 15 metres of a wetland that is less than 2 hectares (ha) in size.	2022-10-03	2022-10-03	Charles Priddle
A/22/B/101	8321	0 Guelph Line (between Prospect Street and Woodward Avenue)	ISSUED WITH A/22/O/102 -Replacement of existing 200mm sanitary sewers with 900mm sewers within the floodplain associated with Roseland Creek (Burlington) and Sixteen Mile Creek (Oakville).	2022-09-26	2022-10-03	Ben Davis
A/21/B/11	8325	0 Howard Road - AOC 3	Alteration to a tributary of Grindstone Creek including the construction of vegetated buttresses along the creek banks and a plunge pool at the downstream end of an existing culvert for erosion protection works.	2022-09-13	2022-10-04	Cassandra Connolly
A/22/B/99	8324	1036 Shepherds Drive	Construction of a storm drainage pipe and rip rap outfall within the 7.5m regulatory allowance from the valley of Indian Creek.	2022-09-19	2022-10-04	Cassandra Connolly
A/22/B/84	8326	bridge behind 3500 Dundas St	Partial re-construction of a municipally owned pedestrian bridge which conveys a tributary of Shoreacres Creek.	2022-09-26	2022-10-04	Cassandra Connolly
A/21/B/12	8325	0 Howard Road - AOC 4	Alteration to a tributary of Grindstone Creek including the construction of vegetated buttresses along the creek banks and a plunge pool at the downstream end of an existing culvert for erosion protection works.	2022-09-13	2022-10-04	Cassandra Connolly
A/22/B/21	8332	Adj to 50 Fairwood Place	Construction of an armoustone cascade within a tributary within the West Aldershot Creek watershed, and grading of the scour pool within the watercourse to address/mitigate erosion scour beneath an existing stormwater outfall.	2022-10-05	2022-10-14	Cassandra Connolly
A/20/B/126	7681 **RE-ISSUED**	2241 Grand Boulevard	RE-ISSUED - Construction of a roof extension for a front covered porch on a dwelling located within the valley Bronte Creek.	2020-11-12	2022-10-17	Cassandra Connolly
A/22/B/39	**REVISED** 8150	387 Pomona Drive	REVISED - Reconstruction of a pool and patio partially within the 7.5 metre allowance of the valley of Roseland Creek, beyond the 3m minimum setback required for accessory structures.	2022-04-14	2022-10-17	Cassandra Connolly
A/20/B/126	7681 **RE-ISSUED**	2241 Grand Boulevard	RE-ISSUED - Construction of a roof extension for a front covered porch on a dwelling located within the valley Bronte Creek.	2022-10-11	2022-10-17	Cassandra Connolly
A/22/B/39	**REVISED** 8150	387 Pomona Drive	REVISED - Reconstruction of a pool and patio partially within the 7.5 metre allowance of the valley of Roseland Creek, beyond the 3m minimum setback required for accessory structures.	2022-10-12	2022-10-17	Cassandra Connolly
A/21/B/82	8339	584 North Shore Boulevard East	Construction of shoreline protection works consisting of several concrete blocks/armoustone layers with a concrete pad at the top and bottom along the shoreline of Hamilton Harbour/Burlington Bay.	2022-10-23	2022-10-25	Cassandra Connolly
A/22/B/52	8340	1200 Leighland Avenue (Leighland Park)	Re-construction of baseball diamond, sports courts, and pathways, construction of a new shade structure, fitness equipment, site servicing, and site grading/filling within the floodplain and spill hazards of Upper Hager Creek.	2022-10-24	2022-10-26	Cassandra Connolly
A/21/B/17	8342	156 Walkers Line	Construction of a two-storey dwelling with rear covered porches and terraces within the erosion hazard of the shoreline of Lake Ontario, maintaining applicable setbacks for habitable and non-habitable development.	2022-10-19	2022-10-28	Cassandra Connolly
A/22/B/107	8344	Rambo Pond 31 - access road off NSR b/w Guelph & Industrial	Re-construction/replacement of two (2) inlet culverts in the East Rambo Creek drainage pond to retain function of the stormwater management pond.	2022-10-28	2022-10-31	Cassandra Connolly

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/21/B/163	8352	1336 Dundas Street	Installation of approximately 416 metres of a new NPS 6-inch natural gas pipeline beneath the watercourse of Upper Rambo Creek as well as the flooding and erosions hazards and 7.5m regulatory allowance associated with that watercourse.	2022-10-07	2022-11-07	Sean Stewart
A/22/B/114	8349	2456 Britannia Road	Installation of ± 36.0m of new NPS 1 ¼ inch natural gas pipeline within the erosion hazard and 15m allowance of the valley of Bronte Creek, for residential servicing.	2022-11-04	2022-11-07	Cassandra Connolly
A/22/B/115	8350	835 Spring Garden Road	The re-construction and expansion of a single-family residential dwelling, as well as rear balcony, covered front porch, and on-grade patio, within the stable top of bank (erosion hazard) and associated 15-metre regulatory allowance of the valley of Grindstone Creek.	2022-11-09	2022-11-10	Cassandra Connolly
A/22/B/112	8359	1126 - 1150 Northside Road	Installation of ± 4.5m of one Rogers Communications' 4" duct partially within the 7.5m regulatory allowance associated with a piped section of Roseland Creek.	2022-11-03	2022-11-16	Cassandra Connolly
A/22/B/119	8358	3408 Lakeshore Road	Partial reconstruction of concrete decking that is within the erosion hazard of Lake Ontario	2022-11-15	2022-11-16	Charles Priddle
A/22/B/111	8365	3519 Rockwood Drive	Construction of a swimming pool within the floodplain of Tuck Creek.	2022-11-08	2022-11-21	Cassandra Connolly
A/22/B/127	8376	1320 Heine Court	Construction of a new exterior transformer on a concrete pad and installation of a new underground duct bank partially within the 7.5m regulatory allowance from the valley and floodplain of Sheldon Creek for electrical servicing of the site	2022-11-29	2022-12-06	Cassandra Connolly
A/22/B/125	8377	3211 Spruce Avenue	Construction of a swimming pool, patio, and accessory structure partially within the 7.5m regulatory allowance from the valley of Roseland Creek and within the floodplain of that watercourse.	2022-11-30	2022-12-06	Cassandra Connolly
A/22/B/124	8379	5022 Cenaber Court	Construction of a swimming pool and patio partially within the 7.5m regulatory allowance from the valley and floodplain of Appleby Creek.	2022-11-22	2022-12-07	Cassandra Connolly
A/21/B/70	7848 **REVISED & RE-ISSUED**	2619 Bluffs Way	Revised & Re-Issued permit is for the construction of a dwelling, driveway, septic system, cabana, and pool between 15-120 metres of a Provincially Significant Wetland (PSW)	2022-12-06	2022-12-12	Cassandra Connolly
A/22/B/108	8381	1300 Kilbride Street	Construction of an inground pool with associated decking, pergola and patio between 15 and 30 metres of a wetland that is less than 2 hectares (ha) in size.	2022-12-09	2022-12-12	Charles Priddle
A/22/B/113	8382	1551 Corporate Drive	Grading and expansion of asphalt parking lot within 7.5m of the Top of Bank associated with Appleby Creek.	2022-11-07	2022-12-13	Laura Head
A/20/B/139	7673 **RE-ISSUED**	116 Edgecliffe Place	RE-ISSUED - Relocation of a swimming pool including a new platform bridge and hot tub in the rear yard, and new decking in the rear and side yard of a property located within the erosion hazard associated with Lake Ontario.	2022-12-15	2022-12-19	Cassandra Connolly

Halton Hills						
A/22/HH/21	8354	7339 Fifth Sideroad	Construction of an inground swimming pool within 15 metres of the floodplain associated with a tributary of Sixteen Mile Creek.	2022-11-09	2022-11-10	Justin McArthur
A/22/HH/18	8366	8360 Ninth Line	Construction of an addition to an existing dwelling and replacement of a deck and patio within the valley associated with Sixteen Mile Creek.	2022-11-21	2022-11-21	Justin McArthur
A/21/HH/27	7992 **REVISION 3**	10757 Fifth Line	**REVISION 3** Installation of approximately 85.0 metres of NPS 1-inch pipeline, 50.0 metres of NPS 1 ¼ inch pipeline and 53.0 metres of NPS 2-inch pipeline within the floodplain associated with a tributary of Sixteen Mile Creek to service a residence.	2022-11-21	2022-11-21	Justin McArthur

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/22/HH/22	8391	5th Sideroad & Eighth Line	Installation of utility conduits and pedestals within the floodplain associated with a tributary Sixteen Mile Creek and within 120 metres of wetlands greater than 2 hectares in size.	2022-12-16	2022-12-16	Justin McArthur
A/22/HH/20	Letter of Permission	12265 Regional 25 Road	Construction of a new garage and driveway extension between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2022-11-01	2022-11-02	Justin McArthur

Hamilton						
A/22/H/64	8333	879 Centre Road	Construction of a swimming pool and patio partially within the 15m regulatory allowance from the floodplain of Grindstone Creek.	2022-10-05	2022-10-17	Cassandra Connolly
A/22/H/61	8341	291 Seventh Concession Road East	Replacement of a municipal culvert conveying a tributary of Grindstone Creek and located adjacent to a Provincially Significant Wetland (PSW).	2022-10-26	2022-10-28	Cassandra Connolly
A/22/H/60	8343	7 Neptune Road	Demolition of a dwelling, and the construction of a new dwelling, pool, patios, driveway, and septic replacement within 120m of a Provincially Significant Wetland and partially within 15m regulatory allowance from the floodplain of Grindstone Creek.	2022-09-26	2022-10-28	Cassandra Connolly
A/22/H/16	8345 **REVISED**	282 Campbellville Road	**REVISED** Placement and grading of approximately 46,000 cubic metres of clean fill, and the introduction of catch basins and enclosed pipes for storm water management, between 30 metres and 120 metres of the Beverly Swamp Wetland Complex, a Provincially Significant Wetland (PSW).	2022-10-10	2022-11-09	Charles Priddle
A/22/H/63	8360	2253 Centre Road	Placement and grading of approximately 12,800 cubic metres of clean fill between 30 metres and 120 metres of the Lower Mountsberg Creek Wetland Complex, a Provincially Significant Wetland (PSW).	2022-11-09	2022-11-17	Sean Stewart
A/22/H/58	8378	Patterson Road (along 45 Patterson east of Valley Road)	Replacement of five (5) municipal crossroad culverts which convey tributaries within the North Cootes Paradise watershed.	2022-11-30	2022-12-06	Cassandra Connolly
A/22/H/54	8375	825 Millgrove Sideroad	Construction of an addition to a dwelling and replacement/expansion of a septic system within 15m of the floodplain of Grindstone Creek, and between 30-120m of a wetland greater than 2ha in size.	2022-11-25	2022-12-06	Cassandra Connolly
A/22/H/69	8390	Harpers Corners to Westover Line (1171 Hwy 6 to 662 Safari Rd)	Construction/use of temporary watercourse crossings traversing tributaries of Grindstone Creek and the replacement of Hydro One poles, conductors, and hardware within the flooding and erosion hazards associated with those watercourses, and within Provincially Significant Wetlands.	2022-12-13	2022-12-15	Cassandra Connolly
A/22/H/62	Letter of Permission	1456 Brock Road	Construction of an addition to the dwelling and new septic system located partially within 30 and 120m of a Provincially Significant Wetland (PSW).	2022-09-28	2022-10-05	Cassandra Connolly
A/22/H/12	Letter of Permission **REVISED**	5 Glenron Road	REVISED - Demolition of existing development on site, and the construction of a new dwelling, detached accessory structure, septic replacement, inground pool and patios, and landscaping/hardscaping within 30 and 120 meters of a Provincially Significant Wetland (PSW).	2022-10-06	2022-10-14	Cassandra Connolly
A/22/H/65	Letter of Permission	47 Palomino Drive	Construction of a hot tub/swim spa, concrete pad, and surrounding deck between 30m and 120m of a wetland greater than 2ha in size.	2022-10-11	2022-10-17	Cassandra Connolly
A/22/H/66	Letter of Permission	1366 Highway Six	Re-construction of a detached garage located between 30 and 120m of a Provincially Significant Wetland (PSW).	2022-10-31	2022-11-03	Cassandra Connolly

Milton

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/22/M/52	8312	6439 Regional Road 25 and 321 Yates Drive	Minor grading and rehabilitation in conjunction with the removal of bridge decking within the Sixteen Mile Creek Valley and its associated floodplain.	2022-09-12	2022-10-03	Justin McArthur
A/22/M/76	8320	7450 No. 5 Sideroad	Construction of spillway and grading between 6 and 15 metres of the floodplain associated with a tributary of Sixteen Mile Creek.	2022-09-29	2022-10-03	Justin McArthur
A/22/M/53	8319	6439 Regional Road 25 and 321 Yates Drive	Grading and land alteration to create pit and mound wetland features between 6 and 15 metres of the erosion hazard associated with the Sixteen Mile Creek valley.	2022-09-26	2022-10-03	Justin McArthur
A/22/M/62	8330	7095 Fifth Line (Broccolini Property)	Construction of a 12 metre x 27 metre archway culvert and temporary diversion culvert to convey a tributary of Sixteen Mile Creek.	2022-09-14	2022-10-12	Justin McArthur
A/22/M/77	8331	11319 Derry Road	Open cut trench installation of 27 meters of 300mm diameter watermain within the flooding and erosion hazard associated with a tributary of Sixteen Mile Creek.	2022-10-11	2022-10-12	Justin McArthur
A/21/M/35	7933 **REVISED #2**	11151 First Nassagaweya Line	REVISED: Demolition of an existing residence and construction of a larger 2-storey dwelling adjacent to the floodplain associated with a tributary of Bronte Creek and between 30 and 120 metres of a Provincially Significant Wetland, and the replacement of a septic system within the floodplain and between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2022-10-05	2022-10-17	Justin McArthur
A/22/M/81	8334	5224 Fifteenth Sideroad	Reconstruction of an accessory structure within 15 metres of the floodplain associated with a tributary of Sixteen Mile Creek and between 15 and 30 metres of a Provincially Significant Wetland (PSW).	2022-10-13	2022-10-20	Justin McArthur
A/22/M/83	8335	7265 No. 5 Sideroad	Installation of a 1 ¼ inch natural gas pipeline via horizontal directional drill (HDD) crossing a tributary of Sixteen Mile Creek including a temporary entrance pit within 15 metres of the floodplain.	2022-10-14	2022-10-20	Justin McArthur
A/22/M/79	8336	2800 Peddie Road	Grading, paving and minor landscaping within a spill flood hazard associated with Sixteen Mile Creek.	2022-10-12	2022-10-20	Matthew Lauzon
A/22/M/85	8337	5592 Trafalgar Road	Installation of meter bag protection works within the banks of Sixteen Mile Creek to temporarily stabilize an exposed portion of a Sun-Canadian pipeline.	2022-10-31	2022-10-31	Justin McArthur
A/22/M/86	8347	805 Steeles Avenue East	Installation of an NPS 2-inch natural gas pipeline within the floodplain associated with a tributary of Sixteen Mile Creek.	2022-11-03	2022-11-07	Justin McArthur
A/22/M/88	8356	6712 Fifth Line	Installation of a 4-inch natural gas pipeline via horizontal directional drill (HDD) beneath a tributary of Sixteen Mile Creek and a wetland less than 2 hectares in size, and installation of a 2-inch natural gas servicing line within the floodplain and within 30 meters of a wetland less than 2 hectares in size.	2022-11-10	2022-11-10	Justin McArthur
A/22/M/87	8361	0 Whitlock Avenue (@ 16 Mile Creek - Bridge)	Construction of the Whitlock Avenue Bridge crossing of Sixteen Mile Creek and its associated valley and floodplain.	2022-11-16	2022-11-17	Justin McArthur
A/22/M/73	8362	0 Chisholm Drive (0.85 km west of Martin Street)	Repairs to a culvert and replacement of gabion baskets with a retaining wall within a tributary of Sixteen Mile Creek and associated floodplain.	2022-11-17	2022-11-18	Justin McArthur
A/22/M/71	8367	McNiven Road, 0.02 km north of Derry Road - Bridge	Repairs to culvert retaining walls, installation of new steel box beam railing with new concrete curb and end posts, installation of steel beam guide rails and regrading of the existing bridge (Structure 14) crossing Kilbride Creek and within the associated floodplain and meander belt.	2022-11-09	2022-11-24	Matthew Lauzon
A/22/M/61	8373	1211 Fourth Line (Mattamy Bayview Lexis Phase 2)	Grading within the floodplain associated with a tributary of Sixteen Mile Creek required for the creation of a temporary swale.	2022-10-24	2022-12-02	Justin McArthur
A/22/M/94	8380	9455 Milborough Line	Replacement of collapsed culvert which conveys a tributary of Bronte Creek and a wetland less than 2 hectares in size.	2022-12-07	2022-12-08	Justin McArthur

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/22/M/82	Letter of Permission	5165 Fifteenth Sideroad	Construction of a new dwelling, shed and garage between 30 and 120 metres of a wetland greater than 2 hectares in size.	2022-10-19	2022-11-07	Justin McArthur
A/22/M/82	Letter of Permission	5165 Fifteenth Sideroad	Construction of a new dwelling, shed and garage between 30 and 120 metres of a wetland greater than 2 hectares in size.	2022-11-03	2022-11-07	Justin McArthur
A/22/M/89	Letter of Permission	8627 Wood Close	Addition to an existing dwelling and expansion of an existing septic system within 30 metres of a wetland greater than 2 hectares in size.	2022-11-10	2022-11-10	Justin McArthur
A/22/M/95	Letter of Permission	2129 Fifteenth Sideroad	Construction of a garage addition and septic upgrades between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2022-12-09	2022-12-13	Matthew Lauzon
A/22/M/48	Letter of Permission	2649 Conservation Road	Rebuilt of a shed between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2022-12-08	2022-12-13	Matthew Lauzon

Mississauga

No Permits or Letters of Permission issued during this time

Oakville

A/22/O/95	8315	3308 Lakeshore Road West	Construction of a new single family dwelling including a covered porch, inground swimming pool, uncovered slab on grade terrace and associated landscaping within the erosion hazard associated with Lake Ontario.	2022-09-14	2022-10-03	Matthew Lauzon
A/22/O/102	8321	Various locations	Replacement of existing 200mm sanitary sewers with 900mm sewers within the floodplain associated with Roseland Creek (Burlington) and Sixteen Mile Creek (Oakville).	2022-09-26	2022-10-03	Ben Davis
A/22/O/80	8323	75 West River Street	Replacement of Existing Shoreline Protection Works within Bronte Creek harbour.	2022-08-09	2022-10-04	Laura Head
A/22/O/82	8327	99 Forsythe Street	Improvements to existing shoreline protection works along Sixteen Mile Creek.	2022-08-12	2022-10-04	Laura Head
A/22/O/69	8328	0 Dundas Street East (adj to 1297)	Realignment of a tributary of Joshua's Creek and a reconstruction of a wetland in accordance with North Oakville Creek Subwatershed Study.	2022-10-03	2022-10-05	Laura Head
A/22/O/73	8329	0 Dundas Street East (west of 1297 Dundas ST E)	Construction and restoration of the ultimate channel block containing Joshua's Creek and construction of a SWM pond, emergency spillway and temporary outlet within 7.5m for the flooding and erosion hazards associated with Joshua's Creek.	2022-10-03	2022-10-05	Laura Head
A/21/O/35	8338	1357 Dundas Street West	Reconstruction of Sixteen Mile Creek valley wall and construction of a pedestrian trail and associated grading within 15m of the erosion hazard associated with Sixteen Mile Creek.	2022-08-23	2022-10-25	Laura Head
A/22/O/109	8348	3075 Dundas Street	Construction of a temporary access road within 7.5m of the floodplain of East Morrison Creek.	2022-10-31	2022-11-04	Laura Head
A/22/O/92	8351	1065 McCraney Street East (Oakville Park)	Construction of a pedestrian trail within 7.5m of the flooding and erosion hazards associated with McCraney Creek and irrigation outfall within the valley of McCraney Creek.	2022-10-24	2022-11-07	Laura Head
A/20/O/86	8353	0 Ninth Line (Closed Oakville Ninth Line Landfill Site)	Slope stabilization and erosion protection works along a 30 metre section of the east bank of Joshua's Creek.	2022-10-19	2022-11-08	Ben Davis
A/22/O/111	8355	1195 Willowbrook Drive	Construction of a front addition and reconstruction of the existing deck and stairs within the floodplain of Fourteen Mile Creek.	2022-11-08	2022-11-10	Laura Head
A/22/O/110	8357	1385 Duncan Road	Construction of a partial second-storey addition within 7.5m of the floodplain of Lower Wedgewood Creek.	2022-11-14	2022-11-14	Laura Head
A/21/O/95	8287 **REVISED**	48 Bronte Road	REVISED - Restoration/replacement of protection works within the flooding and erosion hazards associated with Bronte Creek and the flood hazard as with Lake Ontario, and replacement of five docks.	2022-11-16	2022-11-17	Charles Priddle

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/22/O/65	8364	North of 1129 Dundas Street East	Construction of a clean water pipe, pipe outfall and the associated grading and restoration within the flooding and erosion hazards associated with Joshua's Creek.	2022-10-28	2022-11-18	Laura Head
A/21/O/10	8363	1031 Kent Avenue	Reconstruction and expansion of a two-storey dwelling within the spill flood hazard associated with the Morrison-Wedgewood Diversion Channel.	2022-09-20	2022-11-18	Laura Head
A/22/O/86	8369	408 Trafalgar Road	Construction of a first floor and partial second floor addition within 15 metres of the erosion hazard associated with Sixteen Mile Creek.	2022-10-03	2022-11-21	Laura Head
A/22/O/89	8371	1310 Hillview	Decommissioning and removal of pool and placement of fill within the excavated area which is within 7.5m of the erosion hazard associated with Morrison Creek.	2022-11-10	2022-11-23	Laura Head
A/22/O/108	8372	3228 South Service Road	Installation of approximately 155m of new NPS 2 inch natural gas pipeline using horizontal directional drilling under Bronte Creek.	2022-10-14	2022-11-24	Laura Head
A/22/O/107	8346	Wycroft Extension	Construction of an access road and clearing of proposed right-of-way within the flooding and erosion hazard associated with Bronte Creek.	2022-11-16	2022-11-24	Ben Davis
A/22/O/47	8383	3014 Lakeshore Road West	Restoration and reconstruction of shoreline protection works along Bronte Creek at Berta Point	2022-11-28	2022-12-13	Laura Head
A/22/O/122	8386	Bridge Road (0.12km E of Valley Drive)	Rehabilitation of the existing bridge, installation of cantilevered sidewalks on the bridge and construction of new parapet walls within the valley of Fourteen Mile Creek.	2022-12-07	2022-12-14	Laura Head
A/22/O/114	8387	3057 Swansea Drive	Construction of an inground pool and associated patio within 15m of the erosion hazard of Bronte Creek	2022-12-07	2022-12-14	Laura Head
A/21/O/04	8384	Upper Middle Road @ 16 Mile Creek	Bridge repair/rehabilitation including slope stabilization within the valley and floodplain of Sixteen Mile Creek.	2022-12-07	2022-12-14	Ben Davis
A/22/O/03	8385	Neyagawa Boulevard (@ Shannoon's Creek)	Bridge repair/rehabilitation including slope stabilization within the valley and floodplain of Shannon's Creek.	2022-12-07	2022-12-14	Ben Davis
A/22/O/94	8388	92 Wolfdale Avenue	Construction of shoreline protection works along the shoreline and within the erosion hazard of Lake Ontario.	2022-09-20	2022-12-15	Laura Head
A/22/O/121	8389	1538 Bayview Road	Construction of a new two-storey single family dwelling including covered terrace, swimming pool, sports court, putting green and associated landscaping within the erosion hazard associated with the shoreline of Lake Ontario.	2022-12-06	2022-12-15	Laura Head
A/22/O/119	8374	187 Front Street	Installation of approximately 7m of new NPS 1.25 inch natural gas pipeline within the erosion hazard limit associated with Lake Ontario.	2022-12-06	2022-12-15	Laura Head
Puslinch						
A/22/P/09	8370	4082 Darkwood Road	Reconstruction of an accessory structure damaged by fire within the floodplain of Bronte Creek and between 30 metres and 120 metres of the Guelph Junction Provincially Significant Wetland (PSW).	2022-11-22	2022-11-23	Charles Priddle

TO: Conservation Halton Board

MEMO: # CHBD 01 23 03

FROM: Kellie McCormack, Director, Planning and Regulations

DATE: February 16, 2023

SUBJECT: Conservation Halton's Wetland Mapping Review & Update

MEMO

This memorandum is to provide a status update on the wetland mapping review and update project.

In June 2022, Conservation Halton's (CH) Board received a report (CHBD 05 22 10) on the public and stakeholder engagement process and overall wetland mapping review and update project. Since that time, CH staff has held engagement sessions, undertaken site visits to confirm and delineate wetlands on individual properties, and had numerous discussions with individuals and stakeholders. Staff has reviewed all feedback received and made further refinements to the draft mapping.

Staff was on track to bring the mapping to the CH Board for approval in Q1 of 2023; however, in late Fall 2023, the Province introduced Bill 23, as well as a number of other proposals that could impact how Conservation Authorities (CA) regulate and map wetlands in the future (e.g., proposed changes regulations under Section 28 of the CA Act; changes to the Ontario Wetland Evaluation System). As such, CH's wetland mapping update is on hold until such time that the province releases new Section 28 regulations and/or wetland mapping guidance for CAs. Staff will provide additional updates to the Board once available.

TO: Conservation Halton Board

MEMO #: CHBD 01 23 04

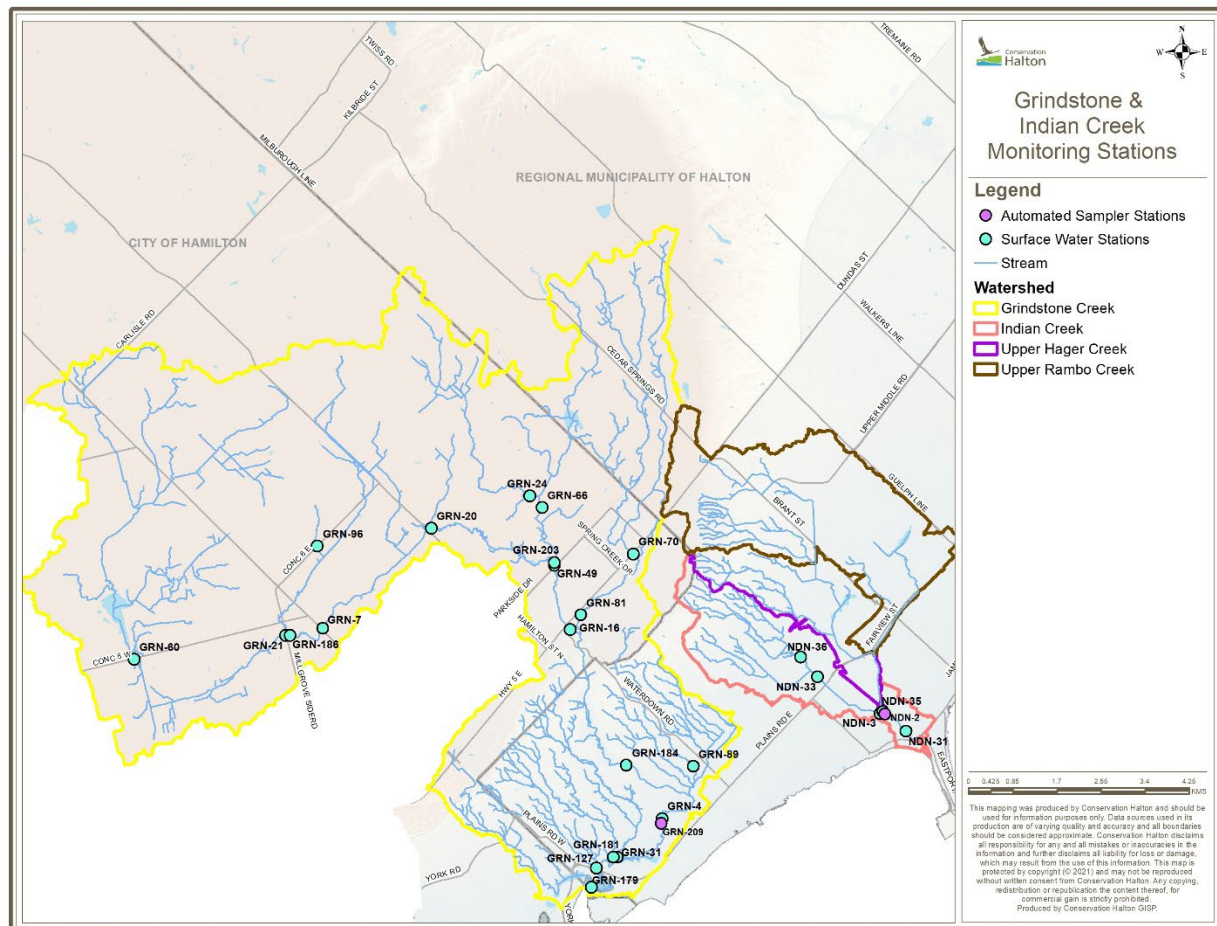
FROM: Barbara J. Veale, Senior Director, Watershed Strategies & Climate Change

DATE: February 16, 2023

SUBJECT: Water Quality Sampling in Hamilton Harbour Watershed

MEMO

Conservation Halton (CH), with support from the Hamilton Harbour Remedial Action Plan (RAP), completed bi-weekly water quality grab sampling at 20 stations in Grindstone Creek and 5 stations in Indian Creek in 2021 (map below). This work was undertaken to determine sources of contaminants to Hamilton Harbour which will guide rehabilitation efforts with the goal of improving water quality and achieving the targets needed to de-list the harbour as a Great Lakes Area of Concern.



Samples were analyzed for total phosphorus, nitrate, and total suspended solids, parameters that are often elevated in agricultural watersheds and are monitored in Hamilton Harbour as part of the de-listing criteria. Total phosphorus and nitrate are important for plant growth, but high levels can result in an over-abundance of plants (including algae) which leads to changes in habitat and decreases in dissolved oxygen that can threaten aquatic species. High levels of total suspended solids affect stream form and function, degrading fish and insect habitat and impacting their ability to find food. Suspended solids are the products of erosion, which may be exacerbated by certain land use practices such as increased impermeability that in turn increases runoff rates.

Results from the sampling show that:

- 1) Total phosphorus is elevated throughout both watersheds, exceeding Provincial Water Quality Objectives during most sampling events.
- 2) Nitrate is elevated in the upper Grindstone watershed but is below water quality targets at the mouth of Grindstone. This is a result of additional water entering Grindstone Creek from other tributaries which dilutes the concentration of nitrate in the stream.
- 3) Nitrate is elevated in Indian Creek above the Hagar-Rambo diversion channel. Below the confluence with the diversion channel, nitrate levels are generally low as a result of the additional water from the diversion channel diluting the concentration of nitrate in the stream.
- 4) Total suspended solids are elevated during storm events in both creeks, with exceptionally high levels found in the escarpment tributaries of Grindstone where steep gradients and erodible soils combined with high intensity storms result in high levels of erosion.

These results indicate that land uses within Grindstone and Indian Creeks are negatively impacting water quality, especially with respect to total phosphorus levels. Continued efforts on both public and private land to increase the buffer strips adjacent to the creek will help to reduce the transport of nutrients to the stream during storm events. Additionally, the use of low impact development features and effective storm water management is essential for reducing the flows within the escarpment area of Grindstone which will help reduce the amount of erosion occurring through this section of the watershed. The results also show the benefit of wetland features such as the Fuciarelli wetland, where a monitoring location directly downstream consistently had nutrient and sediment levels magnitudes lower than other stations in the watershed. Results from the Grindstone Creek Municipal Natural Assets project also reflect the importance of the entire Hayesland Swamp in mitigating peak flows in the watershed. This underscores the importance of wetlands for both storing nutrients and water therefore mitigating the impact of extreme storm events that will become increasingly prevalent with climate change.

Next steps for water quality sampling include the use of automated samplers to collect samples during storm events in both Grindstone and Indian Creeks. This work continued through 2022 and will continue into 2023, providing RAP staff with data required for calculating loadings to Hamilton Harbour. A partnership with Halton Region and Queen's University will continue sampling within the harbour watershed, as well as the entire CH jurisdiction. A partnership with the Ministry of Environment, Conservation and Parks (MECP) has also expanded the storm event sampling to Sixteen Mile Creek to help understand the loadings of contaminants to Lake Ontario. Through the renewed watershed planning process and the Watershed-based Resource Management Strategy, work with municipal partners and others will continue to address water quality issues with the goal of improving water quality across the watershed.

TO: Conservation Halton Board

FROM: Kellie McCormack, Director, Planning & Regulations

DATE: February 9, 2023

SUBJECT: Conservation Halton's Development Planning Review Role

MEMO

On January 1, 2023, *Ontario Regulation 596/22: Prescribed Acts – Subsections 21.1.1 (1.1) and 21.1.2 (1.1) of the Conservation Authorities Act (O. Reg. 596/22)* came into effect. As a result, technical review services for planning and development applications previously provided by Conservation Halton (CH) under Memorandums of Understanding with municipalities (e.g., technical reviews related to natural heritage and select aspects of stormwater management) will no longer be provided.

O. Reg. 596/22 does not affect CH's mandatory programs or services. Municipalities are still required to circulate planning applications and technical reports to CH so that we may review and comment on natural hazard, wetland, and source water protection matters, per *Ontario Regulation 686/21: Mandatory Programs and Services*. Further, CH will continue to support its partners through the delivery of other watershed programs and services not directly related to planning and development applications (e.g., monitoring, data analysis, restoration, landowner outreach).

Table 1 provides an overview of the components of review that are considered in vs. out of scope for CH moving forward.

No formal transition period was provided in *O. Reg. 596/22*. CAs were advised by provincial staff to work with their municipal partners to develop a "transition plan" and to complete reviews for existing files, where there is a MOU in place. To support CH's municipal partners and members of the development community, CH has worked with its partners to develop an approach to transition files underway prior to the release of *O. Reg. 596/22*. Below is an overview of CH's general transition plan.

A. Applications/Files deemed complete after January 1, 2023

- CHs will only provide comments re: Category 1 mandatory programs and services (i.e., hazard / wetland related, regulatory)

B. Applications/Files deemed complete prior to January 1, 2023

- CAs will provide comments re: Category 1 mandatory programs and services (i.e., hazards / wetland related, regulatory)
- CAs will finalize reviews/comments re: Category 2/3 non-mandatory programs and services (i.e., natural heritage & select aspects of SWM) for files in-progress
- CH's mandatory vs. non-mandatory comments to be provided in separate documents
- General transition timeframe or "sunset" is approximately 6 months (i.e., until June 30, 2023)

Table 1: Components of Development Planning & Conservation Halton Review role under O.Reg. 686/21 & O.Reg. 596/21

Review Component	In Scope	Out of Scope
Watercourses	✓	
Flood Hazard	✓	
Erosion Hazard (i.e., slope stability, stream erosion)	✓	
Shoreline Hazards (i.e., flooding, erosion, and/or dynamic beaches)	✓	
Unstable Soils/Bedrock	✓	
Groundwater ¹	✓	
Wetlands ¹	✓	
Valleylands	✓	
Hazardous Lands / Sites	✓	
Wildlife Habitat		✗
Threatened/Endangered Species		✗
Area of Natural and Scientific Interest		✗
Environmental Sensitive/Significant Area (ESA)		✗
Woodlands		✗
Natural Heritage Systems		✗
Fish Habitat		✗
Stormwater ¹	✓	
Feature Based Water Balance ¹	✓	
Erosion and Sediment Control ¹	✓	
Regulatory allowance/setback to CA regulated feature (i.e., natural hazards and wetlands)	✓	
Buffer/setback to natural heritage feature (i.e., non-regulated feature / plan review component)		✗
Source Protection Authority, under the <i>Clean Water Act</i> , 2006	✓	

¹ CH will review and comment as it relates to natural hazards and/or regulatory requirements only

REPORT TO: Conservation Halton Board

REPORT NO: # CHBD 01 23 06

FROM: Barbara J. Veale, Senior Director, Watershed Strategies & Climate Change

DATE: February 16, 2023

SUBJECT: Implementation Strategy for the Municipal Natural Assets Initiative
Grindstone Creek Project
CH File No.: ADM 344

Recommendation

THAT the Conservation Halton Board **endorses the recommendations contained in the Municipal Natural Assets Initiative Grindstone Creek Final Report, dated November 17, 2022.**

And

THAT the Conservation Halton Board **directs staff to enter into discussions with the Project Partners to develop a strategy to implement the recommendations over the short, medium and long-term.**

And

THAT the Conservation Halton Board **receives for information, the Staff report entitled, “Implementation Strategy for the Municipal Natural Assets Initiative Grindstone Creek Project.”**

Executive Summary

The Grindstone Creek watershed drains about 91 km² in the Cities of Hamilton and Burlington. The creek empties into Hamilton Harbour/Burlington Bay. The entire watershed is within the jurisdiction of Conservation Halton (CH).

In 2019, CH, the Cities of Hamilton and Burlington, and the Royal Botanical Gardens (Project Partners) partnered with the Municipal Natural Assets Initiative. The purpose of the project was to explore the value of natural assets in the Grindstone Creek watershed in addressing natural resource issues, with a focus on storm water management. Another key goal was to assist Project Partners in incorporating natural assets in local financial planning and asset management.

The final report from this study was completed and released in November 2022. One of the major findings was that the Grindstone Creek watershed provides approximately \$2 billion in stormwater management services and about \$34 million annually in other benefits including erosion control, carbon storage, and recreation. This estimate does not include operating costs such as maintenance

and monitoring, however, natural assets are generally less costly to operate than engineered ones. Their value tends to appreciate over time, whereas built infrastructure usually depreciates as it ages.

The final report contains ten recommendations for implementation to ensure that the benefits provided by the natural assets within the Grindstone Creek watershed are sustained and enhanced. Staff recommends that the CH Board endorses the recommendations in full and directs staff to enter discussions with staff from the Project Partners to develop a short, medium and long-term strategy for implementing the recommendations.

It is anticipated that a further report to the CH Board will be forthcoming outlining the implementation strategy and work plan.

Report

Background

Municipal Natural Assets refers to the stocks of natural resources or ecosystems such as forests and wetlands that contribute to the provision of one or more services required for the health, well-being, and long-term sustainability of a community and its residents. The Municipal Natural Assets Initiative (MNAI) is a not-for-profit group that provides expertise to support and guide local governments in identifying, valuing, and accounting for natural assets in their financial planning and asset management programs and developing leading-edge, sustainable and climate resilient infrastructure.

In January 2019, MNAI partnered with the Friends of the Greenbelt Foundation and solicited expressions of interest for local governments to host a pilot project located in a watershed area within or originating within Ontario's Greenbelt. CH, the cities of Burlington and Hamilton, and Royal Botanical Gardens put forward a successful proposal for the Grindstone Creek watershed. Grindstone Creek, with headwaters in Hamilton, flows through parts of Waterdown and urban Burlington to its mouth in Hamilton Harbour/Burlington Bay. CH was designated as the partner lead for the project.

Since December 2019, several workshops were hosted, technical work completed, and collaboration undertaken across a range of organizations to assess, plan for, and identify effective strategies to understand, measure, value, and manage natural assets in the Grindstone Creek watershed. To support effective decision-making, the project considered six scenarios including climate change impacts and different management and land-use practices.

The goals of the project were to:

- enhance the services that natural assets provide to local communities and their well-being;
- manage community financial and asset risk, particularly with respect to flooding and storm water management (i.e., natural assets can, in some cases, provide the same benefits or services to municipalities as engineered assets, at a lower cost;
- help make the watershed more resilient to climate change;
- create a replicable model and natural asset management approaches that could be used by other regions or other watersheds across Canada, and
- promote and support collaborative watershed planning and management.

From 2019 to 2021, the Grindstone Creek Project produced data, modeling, and strategies to incorporate natural assets into long-term asset management for the project partners and relied heavily on environmental data sets available from CH. The project included:

- developing an interactive, web-based inventory with information on location, size, and extent of natural assets in the Grindstone Creek watershed, condition of natural assets, and risks to natural assets;
- modelling to assess role of natural assets in flood reduction (peak flow attenuation and infiltration);
- a valuation of how natural assets contribute to stormwater management and co-benefits scenario development to consider future states of the watershed and analyses to inform continual improvement;
- recommended next steps to advance comprehensive natural assets management efforts.

Report Summary and Recommendations

Three key findings resulted from this work:

1. Natural assets in the Grindstone Creek watershed provide immense benefits and service value that have direct implications when it comes to the predicted effects of climate change. The estimated value of the natural assets for **stormwater management alone** (specifically peak flow reduction and infiltration) **is approximately \$2 billion** in terms of capital costs of equivalent engineered infrastructure assets to provide that same service. Natural assets also provide about **\$34 million annually** in other benefits including erosion control, carbon storage, and recreation. These estimates do not include operating costs such as maintenance and monitoring, however, natural assets are generally less costly to operate than engineered ones. Their value tends to appreciate over time, whereas engineered infrastructure usually depreciates as it ages.
2. Conducting watershed assessments to identify and plan for natural assets is dependent on consistent, well-managed data. The project had some limitations due to lack of available data; this is an ongoing challenge for cross-jurisdiction assessments, but proper reporting governance and shared objectives across entities could greatly strengthen available natural asset data.
3. Natural assets do not typically align with political boundaries and jurisdictions, and local governments rely on natural assets that are under the ownership and/or jurisdiction of others. Therefore, collaboration across entities and coordinated action at a watershed scale is vital for effective natural asset management. There is no single intervention that will ensure they are understood and protected in the long term; natural asset management is an ongoing, adaptive management cycle.

The summary report contains ten recommendations based on the above key findings, including:

- Review policies to protect existing natural assets;
- Better integrate natural asset management into overall asset management practices;
- Strengthen assessment of natural assets in the Grindstone Creek watershed;
- Develop a collaborative monitoring plan;
- Advance priority restoration projects;
- Install low impact development (LID) projects in priority areas;

- Develop a Terms of Reference and collaborative governance approach for renewing the 1998 Grindstone Creek Watershed Study;
- Develop a communications plan and presentation to build awareness of natural asset management needs in the Grindstone Creek watershed;
- Develop a collaborative watershed management strategy and plan for the Grindstone Creek watershed;
- Identify additional watersheds within CH's jurisdiction for natural asset management.

CH would play a key role in leading and implementing many of these ten recommendations, in collaboration with the other Project Partners. The final summary report was included in CHBD Report 07 22 05 available at: [November 17, 2022](#).

Impact on Strategic Priorities

This report supports the Momentum priorities of Natural Hazards and Water; Science, Conservation and Restoration; and Education, Empowerment and Engagement.

Financial Impact

There is no financial impact resulting from this proposal.

Signed & respectfully submitted:



Barbara J. Veale
Senior Director, Watershed Strategies & Climate Change

Approved for circulation:



Hassaan Basit
President & CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT: Barbara Veale, Senior Director, Watershed Strategies & Climate Change, 905-2336-2258 x2273, bveale@hrca.on.ca

REPORT TO: Conservation Halton Board

REPORT NO: # CHBD 01 23 06

FROM: Craig Machan, Director, Parks & Operations

DATE: February 16, 2023

SUBJECT: Authorization Request for Award Approval Contract:
Management Plan for Clappison Woods and Waterdown Woods
Conservation Areas
RFP # 102622

Recommendation

THAT the Conservation Halton Board **approves the award of the Management Plan for Clappison Woods and Waterdown Woods Conservation Areas contract to North-South Environmental Inc. as the “Highest Overall Scoring Proponent” in alignment with the Conservation Halton Purchasing Policy Section 2.3.2 b) Requests for Proposals of \$100,000 and over.**

Report

One of the key strategic objectives of Momentum is to provide additional greenspace and recreational opportunities to our communities by expanding the Conservation Halton (CH) Park System. Following a series of workshops looking to identify where CH could expand its “Greenprint”, Clappison Woods and Waterdown Woods Conservation Areas were identified as the properties best suited. Given that these properties are within the Niagara Escarpment Plan Area, management plan approval by the Ministry of Natural Resources and Forestry (MNRF) and Niagara Escarpment Commission (NEC) is required. The MNRF and the NEC have agreed that a single management plan for both properties is appropriate given their proximity to one another. As a result, CH conducted a public Request for Proposal process on Bids & Tenders.ca (bidding portal) to secure proposals for consulting services to develop a management plan for these properties along with the associated consultation process.

Based on the pricing component of the RFP evaluation, it is estimated that the funding requirement for consulting services to develop a management plan for Clappison Woods and Waterdown Woods Conservation Area will be approximately **\$127,202.79** (based bid \$115,638.90 proposal cost + 10% contingency). This will include project visioning, management plan development, public consultation, and Indigenous engagement (through Q1 2023 to Q2 2024).

For achieving the highest overall score during the RFP evaluation process, North-South Environmental Inc. is hereby recommended for award approval of the Clappison Woods and Waterdown Woods Conservation Areas Management Plan contract.

Impact on Strategic Priorities

This report supports the Momentum priority of Nature and Parks and is related to growing our network of parks and greenspaces to promote equitable access and provide unique experiences that connect people with nature.

Financial Impact

The total cost of the consulting service contract as identified will be approximately **\$127,202.79** which will be funded from 2023 and prior year budgets by way of the Property Management Capital Municipal Funding budget.

Signed & respectfully submitted:



Craig Machan
Director, Parks & Operations

Approved for circulation:



Hassaan Basit
President & CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

Victor Simone, Lands Manager, vsimone@hrca.on.ca