

Conservation Halton Board of Directors Meeting Agenda - AMENDED - February 18





Zoom Webinar:.

<https://us02web.zoom.us/j/89641744738?pwd=UWozZ2FEVE43TWRIbm1iSU82YnpEdz09> Passcode:
676425



Start: Thursday, February 18, 2021 - 3:00pm

End: Thursday, February 18, 2021 - 6:00pm

-
1. Roll Call
 2. Disclosure of Pecuniary Interest for Conservation Halton Board of Directors
 3. Acceptance of AMENDED Agenda
 4. Presentations
 - 4.1. Conservation Halton Planning and Watershed Year End Presentation (Barb Veale, Director, Planning & Watershed Management)
 - 4.2. 2021 Parks Fees and Cost Recovery Presentation (Mark Vytvytskyy, Director, Parks & Operations/Executive Lead, Digital Transformation)
 5. Consent Items
 - 5.1. Approval of Conservation Halton Board of Directors Meeting Minutes dated November 26
 Conservation Halton Board of Directors Meeting Minutes - November 26
 - 5.2. Purchasing Memo - November 1, 2020 - January 31, 2021 (CHBD 01 21 01)
 Purchasing Memo - November 1, 2020 - January 31, 2021 (CHBD 01 21 01)
 - 5.3. Emergency Purchase - Memo - February 18 (CHBD 01 21 02)
 Emergency Purchase - Memo - February 18 2021 (CHBD 01 21 02)
 - 5.4. Conservation Halton Planning and Watershed Management Year End Report (CHBD 01 21 03)
 Conservation Halton Planning and Watershed Management Year End Report (CHBD 01 21 03)

5.5. Cootes to Escarpment EcoPark System Wildlife Corridors Mapping Project CH File No.: 353
(CHBD 01 21 04)



Cootes to Escarpment EcoPark System Wildlife Corridors Mapping Project CH File No.: 353
(CHBD 01 21 04)

5.6. A Proposal under the Endangered Species Act to enable the use of the Species at Risk
Conservation Fund and to streamline authorizations for certain activities that impact species at
risk, while maintaining protections for species at risk (CHBD 01 21 05)



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risk, while maintaining protections for species at risk (CHBD 01 21 05)



Memo_ESA_Attach.pdf

5.7. Proposed implementation of provisions in the Planning Act that provide the Minister enhanced
authority to address certain matters as part of a zoning order ERO No. 019-2811 CH File No.: PPO
062 (CHBD 01 21 06)



Proposed implementation of provisions in the Planning Act that provide the Minister
enhanced authority to address certain matters as part of a zoning order ERO No. 019-2811 CH
File No.: PPO 062 (CHBD 01 21 06)



Memo_MZO_Attach.pdf

5.8. Proposed Implementation of Updates to Ontario's Water Quantity Management Framework
ERO No.: 019-2017 CH File No.: PPO 059 (CHBD 01 21 07)



Proposed Implementation of Updates to Ontario's Water Quantity Management Framework
ERO No.: 019-2017 CH File No.: PPO 059 (CHBD 01 21 07)



Memo _ OntarioWQMFramework_Attach.pdf

5.9. Permits & Letters of Permission issued under Ontario Regulation 162/06 from September 1 to
December 31, 2020 (CHBD 01 21 08)



Permits & Letters of Permission issued under Ontario Regulation 162/06 from September 1
to December 31, 2020 (CHBD 01 21 08)



Report - Permits&LoPTable Attach.pdf

5.10. Glen Eden Closure and 2021 Parks Financial Projection (CHBD 01 21 09)



Glen Eden Closure and 2021 Parks Financial Projection Board Package - Memo - February 18 (CHBD 01 21 09)

5.11. Update on Proclamation of Various Provisions of Conservation Authorities Act (CHBD 01 21 10)



CA Act Provisions Proclamation Board Package - Memo - February 18 (CHBD 01 21 10)



FAQ Conservation Authorities Act Updated.pdf



Board representation 2018_june_26_governance_committee.pdf

5.12. Morrison Wedgewood Floodplain - MEMO (CHBD 01 21 15)



Morrison Wedgewood Floodplain - Memo (CHBD 01 21 15).pdf

6. Action Items

6.1. 2021 Parks Fees and Cost Recovery (CHBD 01 21 11)



2021 Parks Fees and Cost Recovery Board Report - February 18 (CHBD 01 21 11)

7. CEO Verbal Update

8. CHF Update - Jim Sweetlove

9. Other Business

10. IN CAMERA

10.1. Legal Matter (CHBD 01 21 12)

10.2. Legal Matter (CHBD 01 21 13)

10.3. Legal Matter (CHBD 01 21 14)

10.4. Personnel Matter

10.5. Legal Matter (CHBD 01 21 16)

11. Adjournment

MEETING NO: # 09 20 Conservation Halton Board of Directors

MINUTES

A meeting of the Conservation Halton Board of Directors was held on Thursday, November 26 at 3:00 p.m. via Zoom Webinar.

Members Present:

Hamza Ansari
Rob Burton
Mike Cluett
Rick Di Lorenzo
Joanne Di Maio
Cathy Duddeck
Allan Elgar
Steve Gilmour
Dave Gittings
Moya Johnson
Gordon Krantz
Bryan Lewis
Marianne Meed Ward
Gerry Smallegange
Jim Sweetlove
Jean Williams

Absent with regrets:

Rory Nisan

Absent:

Zobia Jawed
Zeeshan Hamid

Guests:

Craig Brown, Partner, Fasken Martineau DuMoulin LLP
Pat Moyle, Patrick Moyle and Associates Inc.

Staff present

Kim Barrett, Associate Director, Science & Partnerships
Hassaan Basit, President & CEO/Secretary-Treasurer
Adriana Birza, Manager, Office of the President & CEO
Garner Beckett, Director, Conservation Halton Foundation
Niamh Buckley, Administrative Assistant, Office of the President & CEO
Nikki Garstang, Health & Safety Specialist
Chitra Gowda, Senior Manager, Watershed Planning & Source Protection
Craig Machan, Associate Director, Park Operations
Kellie McCormack, Associate Director, Planning & Regulations
Marnie Piggot, Director, Finance
Plezzie Ramirez, Senior Manager, Human Resources
Jill Ramseyer, Director, Corporate Compliance
Pavan Seth, Procurement Specialist

Katie Skillen, Associate Director, Marketing and Communications
Barb Veale, Director, Planning & Watershed Management
Mark Vytvytskyy, Director, Parks and Operations, Executive Lead Digital Transformation
Lawrence Wagner, Senior Director, Corporate Services

Chair Gerry Smallegange called the meeting to order at 3:04 p.m.

1. Roll Call

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

There were **none**

3. Approval of AMENDED Agenda

CHBD 09 01 Moved by: Jim Sweetlove
Seconded by Dave Gittings

THAT the AMENDED agenda **be approved.**

Carried

4. Presentation

Innovation Hub – Hassaan Basit, President & CEO, Craig Brown, Fasken Martineau DuMoulin LLP (Item no. 5.4 – Virtual Innovation Hub Pilot)

The CEO introduced Craig Brown to the Board noting that Fasken is a leading consulting firm in the tech space. Craig will speak to the information provided in memo *5.4 Virtual Innovation Hub Pilot*.

5. Consent Items

- 5.1. Approval of Conservation Halton Board of Directors Meeting Minutes dated October 22
- 5.2. Approval of Governance & Risk Committee Meeting Minutes dated November 12 (AMENDED CH Board of Directors 2021 Meeting Schedule and Work Plan)
- 5.3. Approval of Conservation Halton Board of Directors Meeting dated November 16
- 5.4. Virtual Innovation Hub Pilot (Memo #: CHBD 09 20 01)
- 5.5. Purchasing – Memo - August 1, 2020 to October 31, 2020 (Memo #: CHBD 09 20 02)
- 5.6. Health & Safety Update (Q1 - Q3 2020)

(Memo #: CHBD 09 20 03)

- 5.7 Proposed Project List for Comprehensive Environmental Assessments under the Environmental Assessment Act (EAA) ERO No. 019-2377 CH File No. PPO 042
(Memo #: CHBD 09 20 04)

- 5.8. Brighton Beach Bioswale Project
(Memo #: CHBD 09 20 05)

- 5.9. Low Risk Water Takings
(Memo #: CHBD 09 20 06)

The Consent Items **were adopted.**

6.0 Action Items

- 6.1. Proposed 2021 Plan Review and Permit Application Fees
CH File Number: ADM 049
(Report #: CHBD 09 20 07)

CHBD 09 02 Moved by: Rob Burton
Seconded by: Moya Johnson

THAT the Conservation Halton Board of Directors **approves the proposed 2021 fees as outlined in the staff report entitled “Proposed 2021 Plan Review and Permit Application Fees,” dated November 26, 2020, with an effective date of January 1, 2021;**

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 CH’s website.**

Carried

- 6.2 Consolidation and Update – CH Policies and Guidelines for the Administration of Ontario Regulation 162/06 and Land Use Planning Policy Document
(Report #: CHBD 09 20 08)

CHBD 09 03 Moved by: Mike Cluett
Seconded by: Jean Williams

THAT the Conservation Halton Board of Directors **receives for information the staff report entitled “Consolidation and Housekeeping Update – CH Policies and Guidelines for the Administration of Ontario Regulation 162/06 and Land Use Planning Policy Document”;**

And

THAT the Conservation Halton Board of Directors **approves the CH Policies and Guidelines for the Administration of Ontario Regulation 162/06 and Land Use Planning Policy Document dated November 26, 2020;**

And

THAT the Conservation Halton Board of Directors **directs staff to post the updated and approved version to the CH website and notify member municipalities and neighbouring conservation authorities of such.**

Carried

6.3 Budget Variance Report for the period ended September 30, 2020 and Projected 2020 Year End amounts
(Report #: CHBD 09 20 09)

CHBD 09 04 Moved by: Rick Di Lorenzo
Seconded by: Bryan Lewis

THAT the Conservation Halton Board of Directors **approves funding from the Watershed Management Capital Reserve for 50% of Milton Channel Repairs capital project costs in the event provincial capital funding is not approved.**

And

THAT the Conservation Halton Board of Directors **approves the President & CEO be authorized to complete the renewal or repayment of the loan with the Hamilton Community Foundation with potential repayment funded by a transfer from the Debt Financing Charges Reserve of up to \$325,000;**

And

THAT the Conservation Halton Board of Directors **receives for information the Staff report dated November 26, 2020 on the Budget Variance Report for the Period Ended September 30, 2020 and 2020 Projected Year End Amounts.**

Carried

6.4 National Disaster Mitigation Program Application for Flood Hazard Mapping - Tuck, Shoreacres, Appleby and Sheldon Creeks
(Report #: CHBD 09 20 10)

CHBD 09 05 Moved by: Marianne Meed Ward
Seconded by: Jim Sweetlove

THAT the Conservation H Board of Directors **supports an application for federal funding under the National Disaster Mitigation Program to develop flood hazard mapping for Tuck, Shoreacres, Appleby and Sheldon Creeks.**

Carried

7. CEO Verbal Update

The CEO shared that CH held a federal grant funding announcement this morning. MP Adam van Koeverden announced that CH has received a grant of \$275,000 from the Ministry of Ocean, Fisheries, and the Canadian Coast Guard as part of the Canada Nature Fund for Aquatic species at Risk Ontario Project. The funding is supporting a number of projects on properties across the watershed that will have positive impacts for Redside Dace, American Eel and Silver Shiner. Project types include riparian habitat improvements, instream improvements and mitigating the impacts of physiological barriers to fish. The funding is also supporting some aquatic monitoring efforts and Northern Pike management discussions for Mountsberg and Upper Main Bronte Creek. There will be direct impact in Milton, Wellington-Halton Hills, Flamborough, Glanbrook and Oakville – North Burlington. The project contributes to Federal species at risk objectives, but also aligns with the Provincial recovery strategies – contributing towards provincial mandate. The CEO thanked Board Members Mike Cluett and Rick Di Lorenzo for attending the event.

CH held its first full Strategic Task Force Meeting to review and provide input to the 2021-2024 Strategic Plan. The meeting included the volunteers from the CH Board. The Board Members provided feedback and expressed their support in the direction of the new strategic plan.

CH is optimistic of opening Glen Eden Ski hill in the next few weeks. Staff have been working with Halton and Hamilton Public Health to ensure necessary steps are in place to open the ski hill while respecting all public health guidelines and providing a safe environment for all users.

Hassaan Basit advised the CH Board that staff had to adjust the Christmas Town set-up and offering to align with the new restrictions since Halton Region moved to the Red Zone level of COVID-19 public health measures.

8. Other Business

The CEO provided an update on Schedule 6 of Bill 229 and the proposed changes to the CA Act. The CEO will provide updates to the Board as and when they become available.

The CEO congratulated Allan Elgar, recipient of “Friend of the Greenbelt” award for Municipal Leadership.

The CEO expressed his gratitude to Mayor Gordon Krantz for his support at the NEC for Kelso Master Plan which received an unprecedented exemption for the Business Centre. Mayor Krantz gave a shout out to Meghan Hunter, CH Manager, Risk and Lands who has done an exceptional job on this project.

9. CHF Update (Jim Sweetlove)

Jim Sweetlove advised that the CHF were able to allocate \$85,000 towards outdoor education and virtual learning experiences as a result of the Mountsberg Sugarbush Experience.

CHF are planning to host another Gala in 2021. CHF has approved the workplan for 2021 with a strong focus on board engagement.

10. IN CAMERA

CHBD 09 06: Moved by: Gordon Krantz
Seconded by: Jean Williams

THAT The Conservation Halton Board of Directors **convene IN CAMERA.**

10.1 Personnel Matter (CHBD 09 20 11)

CHBD 09 07 Moved by: Jean Williams
Seconded by: Marianne Meed Ward

Carried

THAT the Conservation Halton Board of Directors **reconvene in public forum**

Carried

THAT Conservation Halton Staff **proceed as recommended by the Conservation Halton Board of Directors.**

11. Adjournment

CHBD 09 08 Moved by Rob Burton

THAT the Conservation Halton Board of Directors meeting **be adjourned at 5.28 pm**

Carried

Signed: Hassaan Basit, President & CEO

Date: February 18, 2021

REPORT TO: Conservation Halton Board of Directors

MEMO NO: # CHBD 01 21 01

FROM: Jill Ramseyer, Director, Corporate Compliance

DATE: February 18, 2021

SUBJECT: Purchasing Memo - November 1, 2020 to January 31, 2021

Recommendation

THAT the Conservation Halton Board of Directors **receives for information the Purchasing Memo for the period November 1, 2020 to January 31, 2021 in accordance with the Purchasing Policy.**

Report

The following report summarizes purchases to be reported during the period November 1, 2020 to January 31, 2021. The Conservation Halton Purchasing Policy requires single or sole source purchases greater than \$25,000 (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 of Directors for information. Request for Proposal 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.

Tenders from \$100,000.00 up to \$350,000.00 and contract increases:

Vendor	Amount (excluding HST)	Details
Edgar Howden and Sons Ltd. – Contract Increase	\$94,142.45 *Historical spend: \$971,893.81 plus this change order (CO) \$94,142.45; Cumulative Total: \$1,066,036.26	An increase to the existing contract was executed as Change Order # 6 in the amount of \$94,142.45 to accommodate emergency repairs required due to structural defects to the foundation of the East Lodge that occurred during the Spill Remediation project. CH received \$1,000,000 in 2020 from our insurers which has helped to cover associated costs.
Stantec Consulting - Contract Increase	\$23,600.00 *Historical spend: \$422,150 plus	An increase to the existing contract was executed as Change Order # 5 in the amount of \$23,600.00 to accommodate investigative works to determine extent of damage and design of repair works due to structural defects

	this change order (CO) \$23,600.00; Cumulative Total: \$445,750.00	to the foundation of the East Lodge that occurred during the Spill Remediation project. CH received \$1,000,000 in 2020 from our insurers which has helped to cover associated costs.
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Solicitation (RFP / RFT) cancellations:

Vendor	Amount (excluding HST)	Details
N/A	N/A	RFP # 020920 - Supply and Delivery of Food Products was publicly issued September 2, 2020 and was closed October 13, 2020. Due to the requirement to re-evaluate the volume of items required and the uncertainty of the current environment impacted by the Covid-19 pandemic, the decision was made to cancel this RFP in it's entirety with plans to re-RFP in July 2021. As a result, the existing agreement will be extended by way of amendment until February 28, 2022

Impact on Strategic Goals

This report supports the Metamorphosis strategic theme of Striving for service excellence and efficiency. This theme is supported by the objective to provide clear financial data to support informed strategic and operational decision-making.

Financial Impact

There is no financial impact to this report.

Signed & respectfully submitted:



Jill Ramsey
Director, Corporate Compliance

Approved for circulation:



Hassaan Basit
President & CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

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

TO: Conservation Halton Board of Directors

MEMO NO: # CHBD 01 21 02

FROM: Jill Ramseyer, Director, Corporate Compliance

DATE: February 18, 2021

SUBJECT: Emergency Purchase Memo

Recommendation

THAT the Conservation Halton Board of Directors **receives for information the Emergency Purchase Memo in accordance with the Purchasing Policy.**

Emergency Purchase Memo

The Conservation Halton Purchasing Policy requires emergency purchases with a purchase cost greater than \$25,000 to be reported to the Board following resolution of an emergency situation.

Emergency Purchases > \$25,000.00:

Vendor	Amount (excluding HST)	Details
Morrison Hershfield – Emergency Purchase / Contract Increase	\$28,128.00 *Historical spend: \$83,586.00 plus this change order (CO) \$28,128.00 Cumulative Total: \$111,714.00	<p>An increase to the existing contract was executed on February 4, 2021 as Change Order # 1 in the amount of \$28,128.00. A need to refine mapping of the Morrison Wedgewood Diversion Channel spill through #C20029 - The Morrison Wedgewood Spill Mitigation Feasibility Study, was identified in late January and CH committed to expediting the mapping updates. A delay was not feasible as these updates needed to be incorporated into an active WECl-funded study (which must be completed by early March 2021).</p> <p>Due to the urgency associated with this requirement, CH has executed this Change Order as an Emergency Purchase thereby permitting approval by the President & CEO.</p> <p>CH received \$110,000.00 in grant funds to accommodate this project.</p>

		<p>Funds for this project will be drawn from two sources:</p> <ul style="list-style-type: none"> • Project budget for #C20029 – Morrison-Wedgewood Spill Mitigation Study(\$10,000),and; • Transfer from CW0007 - Floodplain Mapping Program Budget (\$18,128 + HST)
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Impact on Strategic Goals

This report supports the Metamorphosis strategic theme of Striving for service excellence and efficiency. This theme is supported by the objective to provide clear financial data to support informed strategic and operational decision-making.

Financial Impact

There is no financial impact to this report.

Signed & respectfully submitted:



Jill Ramseyer
Director, Corporate Compliance

Approved for circulation:



Hassaan Basit
President & CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

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

REPORT TO: Conservation Halton Board of Directors

REPORT NO: # CHBD 01 21 03

FROM: Barbara J. Veale, Director, Planning and Watershed Management
905-336-1158 x2273

DATE: February 18, 2021

SUBJECT: Conservation Halton Planning and Watershed Management Year End Report, 2020
CH File No.: ADM 006

Recommendation

THAT the Conservation Halton Board of Directors **receives for information the Staff report entitled ‘Conservation Halton Planning and Watershed Management Year End Report, 2020’.**

Summary

The Planning & Watershed Management Department has three sections: Planning & Regulations (P&R), Watershed Planning and Source Protection (WP&SP), and Science and Partnerships (S&P). The department includes staff with expertise in environmental planning, policy, ecology, water resources engineering, hydrogeology, permitting and compliance, regulation mapping, source water protection, environmental restoration, and watershed monitoring.

The department provides a range of programs and services, including: review of federal, provincial, Conservation Ontario, and Regional/municipal proposed policies and initiatives, Environmental Assessments under the *Environmental Assessment Act*, sub-watershed studies, development applications and associated technical studies under the *Planning Act*, and applications for aggregate/quarry extraction under the *Aggregate Resources Act*. The department is also responsible for permitting, compliance and enforcement activities under the *Conservation Authorities Act*, implementing the Source Water Protection Program under the *Clean Water Act*, and undertaking Conservation Halton (CH) watershed planning initiatives. Department staff also oversee and manage many restoration projects throughout the watershed, monitoring and assessment of watershed conditions and trends and implementing the Hamilton Harbour Remedial Action Program.

The following report highlights the 2020 activities and accomplishments of the department in 2020.

Report

Planning and Regulations (P&R)

P&R reviews a range of planning and permitting applications and plan input initiatives throughout Conservation Halton’s (CH) jurisdiction. It is also responsible for implementing the Flood Plain Mapping (FPM) program. This program was amalgamated into the P&R section in July 2020. Information from the FPM program supports CH’s regulatory and planning programs, infrastructure

management decisions, flood forecasting and warning, emergency planning and response, prioritization of flood mitigation efforts and infrastructure design.

The P&R team responded quickly in the face of the global pandemic and COVID-19 restrictions. The team transitioned to working from home full time in mid-March 2020 and, within a couple of weeks, was able to process planning and permit applications, receive payments, and review and respond to applications remotely. This was an opportunity to accelerate many of the digital transformation initiatives previously planned.

Permitting

In 2020, 417 new permitting files were received and is consistent with the volume in past years (Table 1).

Table 1. Ontario Regulation 162/06 Permit Applications 2016-2020

Category	2016	2017	2018	2019	2020
Private	138	191	164	158	180
Commercial/ Industrial Single Unit	33	31	19	30	20
Residential/Industrial/ Commercial/ Multi-Units	25	35	26	31	38
Government/Utilities	142	106	118	95	104
Letters of Permission	71	74	69	78	67
Fish Timing Window	27	4	3	11	8
Total	467	472	427	403	417

A total of 20 violation files were initiated in 2020, which is lower than previous years. Much of this decline can be attributed to fewer site visits due to COVID-19 and less construction activity. No charges were laid in 2020 and staff were able to close 14 violation files. The number of open files remains high at 19. It is expected that more files will be opened and closed as COVID-19 restrictions are reduced and our ability to visit sites and discuss compliance options with landowners increases.

Table 2: Violations & Compliance 2020

2020 Violations	Total No. of Files Opened in 2020	Compliance/ Restoration Agreements entered*	No. of Files Closed**	Charges Laid	Outstanding Violations*
Total	20	15	14	0	20

* Includes previous years

** Includes restoration/compliance completed

In 2020, staff also responded to hundreds of general inquiries and formal requests for information (solicitor inquiries and no objection letters) (Table 3).

Table 3. Solicitor Inquiries & No Objections/Clearance Letters 2016-2020

Type	2016	2017	2018	2019	2020
Solicitor Inquiries	165	189	131	125	146
No Objection Letters	132	154	121	139	115

In 2020, 99% of the technical permit reviews were completed within 6 weeks. Minor permits were issued within 30 days 96% of the time and major permits were issued within 90 days 96% of the time (Table 4). These response times meet or exceed the targets set in CH's strategic plan.

Planning

The total number of planning files received in 2020 was 195, slightly lower than in 2019. While the volume of reviews was lower, the number of complex files increased. This assessment is confirmed by planning revenues which were substantially greater than in past years. Complex files require higher fees and more staff time for technical review and consultation meetings.

The number of planning applications under the *Planning Act* received in 2020 is shown on Table 4.

Table 4. Planning and Development Applications 2016-2020

Plan Submissions	2016	2017	2018	2019	2020
Site Plans	62	42	69	39	20
Consents	14	14	22	14	8
Minor Variances	81	69	49	74	46
Official Plan Amendments	6	6	13	8	8
Zoning Amendments	9	19	22	19	24
Subdivisions	7	7	7*	6*	14*
Site Alterations	8	14	3	2	4
NEC DP & PBWP	101	131	95	94	71

* Includes new submissions received and not ongoing active files from previous years reviewed in 2020; total subdivisions reviewed in 2020 was 58. These figures do not reflect the complexity (e.g. scale and scope) associated with the applications.

Staff was also involved in the review of numerous new and ongoing large-scale technical reviews for files such as quarry applications, Environmental Assessments, Subwatershed Impact Studies/Environmental Implementation Reports and Subwatershed Studies (Table 5).

In 2020, CH staff was actively involved in the review of three complex quarry applications, including the Reid Road Reservoir Quarry, Nelson Quarry and Milton (Dufferin) Quarry and several municipal EAs for roads, utilities, and flood mitigation and erosion studies.

Staff also participated in Technical Steering Committees and provided technical reviews for:

- South Milton Subwatershed Study; Trafalgar/Agerton Secondary Plans (Town of Milton)
- Mobility Hubs Study; Official Plan Review (City of Burlington)
- Southwest Georgetown Subwatershed Plan / Secondary Plan; Premier Gateway Scoped Subwatershed Plan (Phase 1 and 2) / Secondary Plan (Town of Halton Hills)
- Ninth Line Subwatershed Study (City of Mississauga)

Table 5. Other Technical Reviews 2016-2020

Plans Reviewed	2016	2017	2018	2019	2020
Environment Assessments (EAs)	28	46	32	38	16
Environmental Implementation Reports / Subwatershed Impact Studies	6	5	7**	10**	8**
Subwatershed Studies	7	7	8	8	6
Aggregate Resources Act (ARA)	0	0	1	1	3

*** Includes new submissions received and not ongoing. Completed 18 EIR/SIS resubmission reviews.*

In 2020, 64% of the technical planning reviews were completed within 6 weeks. This statistic falls below the target set in CH's strategic plan and reflects the time it takes to review complex planning applications and associated technical studies, a reduced staff complement due to vacancies and furloughed positions in Q2, as well as a backlog in applications experienced by municipalities during the first few months of the COVID-19 pandemic. External factors such as piecemeal or poor-quality submissions, municipal delays or re-prioritization of files, site-specific applications being advanced before higher-level studies are complete, and requests for staff attendance at multiple meetings or informal reviews continue to impact CH's planning review timelines. It is expected that these statistics will improve substantially in 2021 as staff vacancies are being filled and a full staff complement becomes available.

Continuous improvement, capacity building, and relationship building remain top priorities. Internal initiatives such as a new planning and permit database/time tracking system and external streamlining and prioritizing initiatives will support the P&R team in improving planning review targets in 2021.

Regional Infrastructure Team (RIT)

RIT was created to facilitate the timely review of Regional infrastructure projects. These are complicated, large scale, multi-permit, multi-year, and multi-agency projects, including new regional roads, road widenings, pipelines, and water and wastewater infrastructure.

Major projects approved in 2020 included:

- William Halton Parkway (Third Line to Neyagawa Boulevard including new bridge crossing of Sixteen Mile Creek valley, Town of Oakville)
- Dundas Street (Appleby Line to Bronte Road including reconstruction of Tansley Bridge crossing of Bronte Creek valley, City of Burlington and Town of Oakville)
- Tremaine Road (No. 3 Side Road to new Highway 401 interchange, Town of Milton)

A total of 72 technical reviews were completed and 26 permits issued. The Regional Infrastructure Team (RIT) completed 38% of technical reviews within 2 weeks, 100% of technical reviews within 6 weeks and 100% of major permits within 6 weeks (Table 5). These response times meet or exceed the targets set in CH's strategic plan.

Table 6. RIT Reviews in 2020

Type	Total No. Technical Reviews Completed	Total No. of Permits
Permits	69	26
Environmental Assessments	3	N/A
TOTAL	72	26

Floodplain Mapping Program

As part of the FPM program, a series of Public Information Centres (PIC) were hosted in early 2020 to present the results of the Grindstone Creek, Morrison-Wedgewood Diversion Channel and Urban Milton flood hazard studies. PICs were held to ensure that local, provincial and federal agencies, other stakeholders, and the general public were made aware of the studies and had opportunities to provide input. CH's Board of Directors approved updated 2020 floodplain mapping for the Grindstone Creek and Morrison-Wedgewood Diversion Channel in June 2020 (CHBD Report 05 20 06). Approval of the Urban Milton mapping is anticipated in Q2 2021. Staff continues to advance flood hazard mapping for Sixteen Mile Creek within Urban Milton and anticipates that this will be brought to the Board for approval in Q2 2021. Over 15% of CH's jurisdiction has now been mapped through this new program. Alternate service delivery models were investigated in late 2020 and will be implemented in 2021 to optimize program delivery.

Other Initiatives

Responsibility for participating in provincial consultations and responding to proposals for policy or legislative changes and reviewing provincial plans and documents is shared across the Planning and Watershed Management team. In 2020, staff responded to several key Provincial initiatives which have implications for CH programs and services such as:

- *Conservation Authorities Act*
- Proposed Technical Rules under the *Clean Water Act*
- Numerous other Environmental Registry of Ontario (ERO) postings

For many of these initiatives, CH input was provided to: Conservation Ontario as part of a consolidated CA response to the Province, the Halton Area Planning Partnership (HAPP), and the Province through ERO submissions.

CH staff was actively involved in the federal Environmental Impact Assessment Process for the Milton CN Logistics Hub. The Review Panel released its final report in January 2020 and a Decision Statement regarding the project was released in January 2021. Staff are currently reviewing this statement and its implications for CH technical review and regulatory responsibilities.

Forecast for 2021

It is anticipated that the number of planning and permit files, as well as large-scale technical reviews, will increase in 2021. Provincial and Regional policy initiatives or reviews will also require considerable staff time and resources. New *Conservation Authority Act* enabling regulations are expected to be released in 2021 by the Province and the Region of Halton's Official Plan Review process is also underway. Several hearings related to on-going legal files (i.e., LPAT files, regulatory violation files and other legal matters) are scheduled for 2021.

The P&R team will continue to strive for excellence in customer service and customer experience, work to provide efficient, effective, and timely service, foster partnerships, and identify opportunities to build mutual understanding, trust, respect, and support for CH. It is expected that the team will need to be responsive to regulatory changes introduced by the Province, as well as undertake a review, develop a plan, and carry out numerous initiatives to related to revising and updating policies for the administration of the new regulation and land use planning policies.

Watershed Planning & Source Protection

WP & SP is responsible for the Halton-Hamilton Drinking Source Water Protection Program under the *Clean Water Act* and watershed planning initiatives.

Monitoring and Protecting Wetlands and Groundwater

CH's area of jurisdiction contains over 60 square kilometres of wetlands which provide valuable stormwater management, water quality improvement, and groundwater recharge functions. In 2020, Staff continued to monitor five wetlands by recording water level depth to determine the responsiveness of wetlands to precipitation.

The wetlands show seasonal water level fluctuations which can be very dynamic during precipitation events, depending on the local topographical settings, geology, groundwater levels, climatic conditions, and the season. Staff also continued to monitor twelve groundwater wells for key parameters including chloride, nitrates, and water levels, under the Provincial Groundwater Monitoring Network, a partnership program with the province.

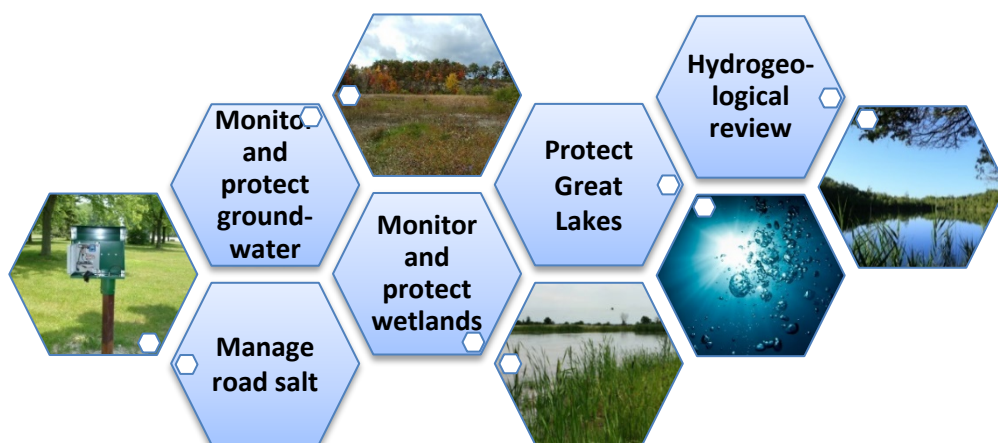
Staff also provide review of development applications from a hydrogeological perspective, to mitigate impacts on wetlands, watercourses, natural environment, and private water supplies. These reviews focus on protecting groundwater resources to ensure negative impacts on groundwater quality and quantity are limited. This is achieved by working with the development community to find solutions that protect groundwater resources as needed and by using low impact development measures (Figure 1).

Protecting Great Lakes

In 2020, staff was invited by Conservation Ontario to represent all conservation authorities on the Annex 10 "Science", of the Great Lakes Water Quality Agreement. Science activities include monitoring, surveillance, observation, research, and modeling to support management decisions. The State of the Great Lakes (SOGL) 2019 Report was released in June 2020 (www.binational.net). It indicates that Lake Ontario is in an overall "fair" condition (on a scale of good, fair, or poor), showing some signs of improvement. Toxic chemicals continue to decline, however coastal wetlands are degraded. Harmful algal blooms occur in some parts of the lake. Land-based stressors continue

to impact Lake Ontario. Staff continue to participate on the Annex 10 and contribute to the review of reports including SOGL.

Figure 1. Watershed Monitoring and Protection Activities



In October 2020, the Sr. Manager, Watershed Planning and Source Protection, was a panelist at a binational symposium "A State-Provincial Approach to Harmful Algal Blooms in the Great Lakes Basin: Possibilities and Pitfalls", hosted by the Canada-United States Law Institute. The presentation focused on conservation authorities and CH as a regional leader in watershed-based natural resource management and suggested an approach to manage harmful algal blooms, including updated scientific research, nimble policies, and leveraging relationships and collaborations with watershed agencies and all levels of government.

In December 2020, staff coordinated cross-departmental inputs to support municipalities in their responses to a comprehensive survey by the Great Lakes-St Lawrence River Adaptive Management (GLAM) Committee of the International Joint Commission. It is expected that the survey will eventually result in an assessment of impacts of high Lake Ontario and St. Lawrence River water levels on various communities.

Managing road salt

Chloride levels are elevated in some surface water and groundwater resources. In September 2020, CH and Grand River Conservation Authority staff partnered to present on road salt management at a board meeting of the Association of Municipalities of Ontario (AMO). Staff spoke about the need for a review of Ontario's liability framework, training for third party contractors, techniques that optimize road salt usage, watershed monitoring, and other measures. AMO will seek cooperation from several Ontario ministries to make sure that road salt can be used in a manner that balances public safety, source water protection and municipal liability. Striking this important balance is challenging (Figure 2).

Staff co-authored an article titled "Winter Maintenance and Water Resources: A Collaborative Approach", published in the December 2020 issue of the Ontario Good Roads Association magazine "Milestones".

Figure 2. Finding the Balance Collaboratively Towards Road Salt Management



Managing Grindstone Creek Natural Assets

Conservation Halton is a contributing partner in a Municipal Natural Assets Initiative (MNAI) project for the Grindstone Creek watershed, along with the Greenbelt Foundation, City of Burlington, City of Hamilton, and the Royal Botanical Gardens. This innovative and collaborative two-year project will use practical strategies to assist partners in identifying, prioritizing, valuing, and managing key natural assets within the Grindstone Creek watershed in the provision of core services such as storm water management in a cost-effective and reliable manner (Figure 3). CH, through the P&WM team, is providing administrative and coordination support for the project.

Figure 3. MNAI Grindstone Creek Natural Assets Management Project



The goals of the project are to:

- Enhance the services that natural assets provide to local communities and their well-being;
- Manage community financial and asset risk: 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 other regions or other watersheds across Canada could use; and
- Promote and support collaborative watershed planning and management.

Through 2020, staff provided key data, feedback, and methodologies for the development of an inventory and technical assessments. These key tasks support the next steps to determine the value of natural assets for storm water management and flood attenuation and other benefits (Figure 3). The MNAI project will provide tools and methods for incorporating these findings into municipal and CH asset management planning.

Protecting drinking water sources

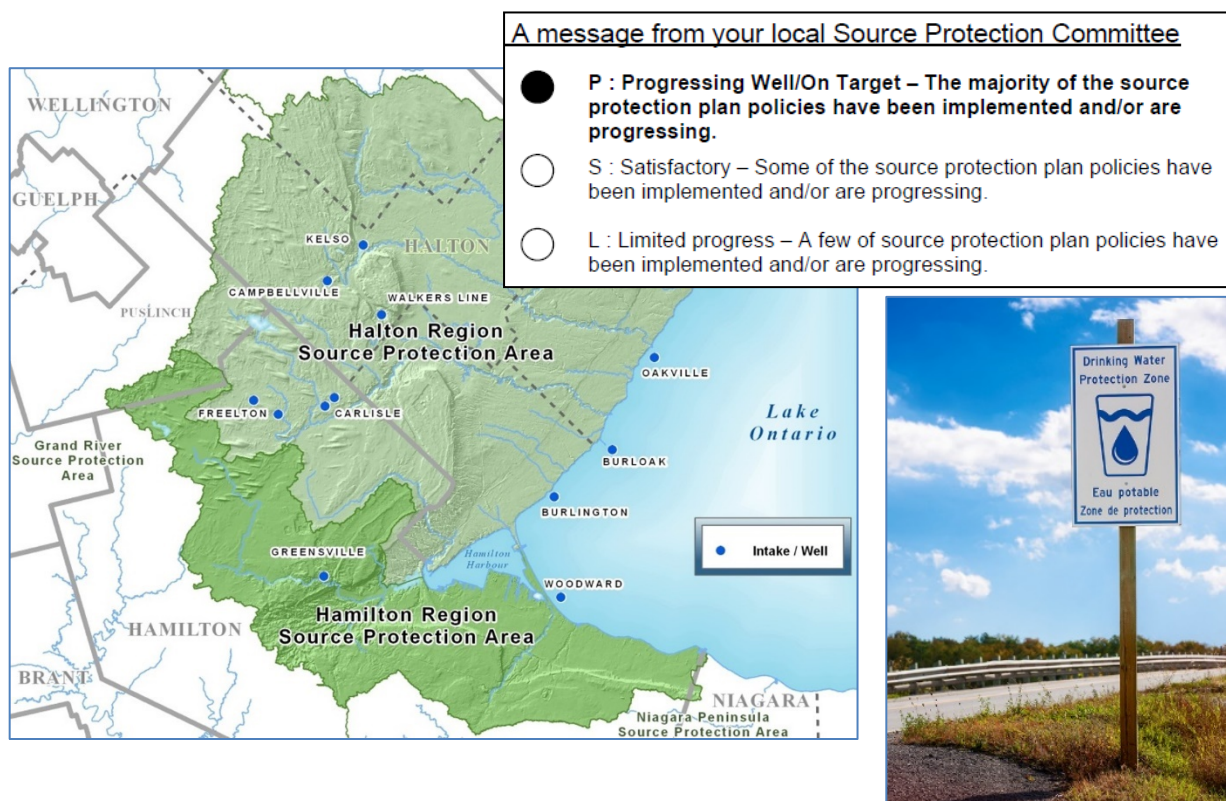
Staff commemorated the twentieth year of the Walkerton drinking water tragedy by supporting the update of the mission statement of the Halton-Hamilton Source Protection Committee. This signifies a renewed commitment to protecting municipal drinking water sources. Changes to logos, social media posts and website updates were made in fall 2020 to commemorate the tragedy and enhance awareness of the program, the activities of Conservation Halton and the multi-stakeholder committee.

Staff co-developed an assessment tool and guidance document to undertake climate change vulnerability assessments for source water quality, through a Conservation Ontario led multi-stakeholder process.

Staff negotiated another year of program funding from April 1, 2020 to March 31, 2021, with the Ministry of Environment, Conservation and Parks. Through 2020, staff ensured that the legislative responsibilities of CH as a lead Source Protection Authority were carried out, including:

- renewal of a Memorandum of Agreement with the Hamilton Conservation Authority to continue a well-established partnership as the Halton-Hamilton Source Protection Region
- administrative, technical, communications and other support to the source protection committee, maintenance of memberships and facilitation of meetings
- assessment of contaminant transport pathways in drinking water vulnerable areas
- draft updates to the watershed science, assessments and source water protection policies
- preparation and submission of the comprehensive 2019 annual progress report to the province (Figure 4).

Figure 4. Source Protection Planning in the Halton-Hamilton Source Protection Region



Science and Partnerships (S&P)

Science & Partnerships includes Monitoring Ecology, Landowner Outreach & Restoration, and the Hamilton Harbour Remedial Action Plan Office. Staff are responsible for monitoring environmental conditions in the watershed and take actions to protect and restore the natural heritage system.

Partnerships are essential to the CH's success in this program area. For example, in collaboration with the 9 partner organizations participating in the Cootes to Escarpment EcoPark System, a wildlife corridor study was completed in 2020. This study will help target landowner outreach and restoration activities in one of the most biodiverse areas in Canada. Also, through the Bay Area Climate Change Council and Halton Climate Collective, CH staff engaged with both the public and decision-makers on what needs to be done to strengthen our communities' resilience to climate change.

In 2020, monitoring and restoration activities were curtailed due to the COVID-19 pandemic and furloughed staff positions over the field season.

Hamilton Harbour Remedial Action Program

The Hamilton Harbour Remedial Action Program depends on funding provided by federal, provincial, and municipal partners. In August 2020, two-year funding of \$205,000 was announced for continued restoration work in the harbour. The provincial government also announced an investment of \$7.47 million towards the restoration of the Great Lakes in September. The Hamilton

Harbour Remedial Action Plan received \$95,000 (1 year) of this investment towards restoration works.

Program staff hosted a series of public forums to seek input on remediation goals (criteria changes) and to provide status updates for some harbour issues. At the public's request, updates and/or clarification on criteria changes for two issues were provided: Beach Closings and Fish Consumption. This information and a feedback survey for beaches were posted on [Hamiltonharbour.ca/forum](https://hamiltonharbour.ca/forum) in 2020. These two criteria changes are now complete.

A third Public Forum was held in January 2020 to address two issues: Bird or Animal Deformities or Reproductive Problems, and Aesthetics. It was recommended to re-designate as Not Impaired. The issue of Wildlife Populations was proposed as Not Impaired in December 2019.

The Program also undertook angling surveys to find out the public's preferred fish species eaten from Hamilton Harbour. This information was important because: 1) it is used by the Ministry of Environment, Conservation, and Parks (MECP) for fish consumption advisories, 2) fishing and eating patterns in the Harbour have likely changed as fish populations have changed over the last 15 years since the last survey, and 3) there was a proposed change in delisting criteria for Fish Consumption which included a new criterion for "fish of interest". The criteria change was proposed to the public and adopted at the RAP Stakeholder Forum in December 2019. To date, over 200 surveys have been completed. The survey will remain open to capture all fishing seasons, including ice fishing, which has recently drawn interest with the Walleye stocking program. Eighty percent (80%) of the respondents indicated they fished in Hamilton Harbour with only 11% of those eating their Hamilton Harbour catches.

Landowner Outreach & Restoration

The Landowner Outreach & Restoration Program depends on partnerships to fund and implement restoration projects. During 2020, a total of \$738,600 was secured. The following highlights some of the projects which were carried out over the year.

Brookies in Bronte Forever

This multi-phased project protects, sustains and enhances Brook Trout habitat in the Bronte Creek watershed through education, awareness and empowerment of private landowners. In 2020, staff continued to work in the Limestone Creek subwatershed focal area with:

- 3,151 trees and shrubs planted, 3kg of native riparian herbaceous seed installed
- 2 historical bridge abutments removed, and creek bank restored
- 2 floodplain wetlands planted and seeded; 5 turtle basking sites installed
- 25m of instream restoration completed (Figure 5)

Grindstone Valley Sediment Control Project

In 2020, an innovative approach to capture sediment and reduce valley erosion was undertaken in collaboration with CH staff and Niagara College. The work involved installing cross valley coir logs with fascines (bundles of live woody stems) by rappelling down slope. Also installed were live pipe drains to manage drainage down the slope. Niagara College Ecosystem Restoration program students collected the plant material and prepared the fascines to be installed. The site will be monitored in the spring for effectiveness and for survival of fascines. Some additional works are required to reduce foot traffic on the trail above the erosion (Figure 6).

Figure 5. Restoration Activities on Limestone Creek



The 2019 natural channel installation at 7204 Walkers Line was repaired and re-aligned slightly in 2020 in response to some failures of the initial installation.



In partnership with Metrolinx, Ontario Federation of Anglers and Hunters, Trout Unlimited Canada and the Federal Government, CH led implementation of a 14,000m² planting along 675m of the creek.

Figure 6. Grindstone Valley Sediment Control Project



Coir logs are installed in terraces to capture fine sediments eroding from the top of the valley wall and create some short-term stability while plants establish.



An end of workday debrief and lesson for the Niagara College students on the workday and techniques applied.

Sharing Experiences Workshop

The 7th Annual Sharing Experiences Workshop was held on February 22, 2020, with 108 participants in attendance. The theme was Youth and Climate Action. The workshop included youth presenters and a youth-led panel discussion, with keynote speaker Kevin Hamilton, Vice President Communications with the Student Conservation Association, the oldest and largest conservation services organization in the United States. His address was titled, "Co-Powering the Next Generation of Conservation Leaders. The organizing team included staff from CH, Credit Valley Conservation, Friends of Mill Creek, Grand River Conservation Authority, Halton Environmental Network, Hamilton Conservation Authority, and the Iroquoia Bruce Trail Club.

Monitoring Ecology

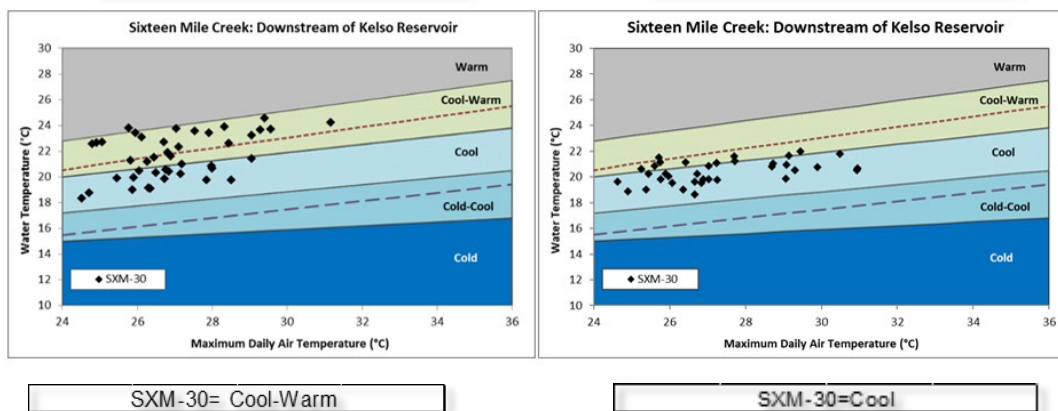
Impact of Salt on Redside Dace

In 2020, CH in partnership with Fisheries and Oceans Canada, installed nine data loggers along Fourteen Mile Creek to monitor chloride levels and to gain insights on any impacts to the endangered Red Side Dace. This study will provide more information about specific problem areas and will guide next steps towards reducing chloride inputs.

Water Temperature Monitoring

Water temperature was monitored at 77 sites across the watershed. Results downstream from the Kelso Dam showed a cooler temperature regime than in 2019, likely because groundwater pumping activities ceased and water levels in the reservoir returned to normal after construction.

Figure 8. Temperatures Downstream from Kelso Dam 2019 and 2020



Research Partnership

In 2020, staff entered a partnership with the University of Toronto's Centre for Urban Environments (CUE), Credit Valley Conservation and Toronto Region Conservation Authority in supporting a Postdoctoral Fellow to highlight conservation authorities as a global model for studying and managing urban environmental change. This two-year project will combine data and expertise from all three authorities, resulting in collaborative publication of the findings.

Milton Monitoring

Monitoring requirements and a protocol for carrying out a monitoring project in the developing area of Boyne in the southeast portion of urban Milton was completed in 2020. This work will provide CH with information on development-related effects on the Natural Heritage System. The work included:

- 40 salamander boards set up and surveyed
- 2 road mortality surveys on major roads
- 2 stream channel morphology stations set-up
- 2 forest health plots set-up
- 15 vegetation plots set-up

Sharing Knowledge

Staff participated in the Conservation Halton Foundation's *Mountsberg Sugar Bush Experience* fundraiser in October 2020 and hosted a booth focused on water quality monitoring (temperature

data loggers, YSI Sonde metres) and ecological protocols (benthic invertebrate community monitoring).

Other outreach activities included:

- Creating of an interactive story map that highlights monitoring results from 2019 (<https://camaps.maps.arcgis.com/apps/MapSeries/index.html?appid=ad0c736957fb401794b5d5b1ab4d7eb5>)
- Participating in CH's Conservation Kids TV episodes highlighting species, adaptations, habitats, and more
- Presenting a talk on native seed collecting and cleaning workshops in partnership with our local horticulture society. Seeds were distributed local Seedy Saturdays to help expand the Natural Heritage System
- Offering information on "Living with Urban Wildlife" to an Oakville neighborhood association community group through a Zoom presentation (~30 participants)
- Providing content and photos for social media posts to inform the public about significant days and monitoring initiatives.

Impact on Strategic Goals

This report supports the Metamorphosis strategic theme of taking care of our growing communities. The theme is supported by the objective to remain dedicated to ecosystem-based watershed planning that contributes to the development of sustainable rural, urban and suburban communities.

Financial Impact

There is no financial impact to this report.

Signed & respectfully submitted:



Barbara J. Veale,
Director, Planning and Watershed Management

Approved for circulation:



Hassaan Basit
CEO & President/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

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kmccormack@hrca.on.ca

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cgowda@hrca.on.ca

Kim Barrett, Associate Director, Science and Partnerships, 905-336-1158 x2229
kbarrett@hrca.on.ca

TO: Conservation Halton Board of Directors

MEMO #: CHBD 01 21 04

FROM: Barbara J. Veale, Director, Planning & Watershed Management

DATE: February 18, 2021

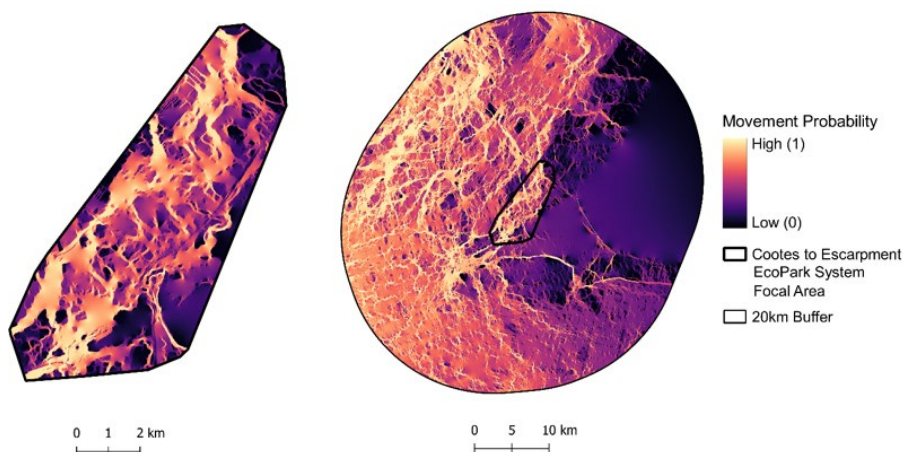
SUBJECT: Cootes to Escarpment EcoPark System Wildlife Corridors Mapping Project
CH File No.: 353

MEMO

Through the Management Committee of the Cootes to Escarpment EcoPark System, Conservation Halton helped guide the application of an innovative approach to identify and map wildlife corridors. Connected landscapes are important for biodiversity conservation and species' adaptation to climate change. This project, funded by the Greenbelt Foundation, contributes to an Environment and Climate Change Canada funded strategy that supports a robust, near-urban nature network for the Greater Golden Horseshoe through a regional collaborative called the Southern Ontario Nature Coalition (SONC). The Cootes to Escarpment EcoPark System is one of eight SONC partners.

EcoPark System partners contracted Apex Resource Management Solutions Ltd. to conduct an analysis on the local landscape. The study included two approaches: a generalized analysis that identified probable movement corridors for wetland- and forest-dwelling wildlife, and a focal-species analysis for three species spanning a range of habitat and connectivity needs (northern short-tailed shrew, Blanding's turtle and white-tailed deer). The generalized connectivity analysis incorporates electrical circuit theory, modelling wildlife habitat connectivity in a manner analogous to finding the path of least resistance for an electrical current. The results allow the creation of map areas of high movement probability in yellow, and areas of low movement probability in dark purple (Figure 1).

Figure 1. Probability of Wildlife Movement Map

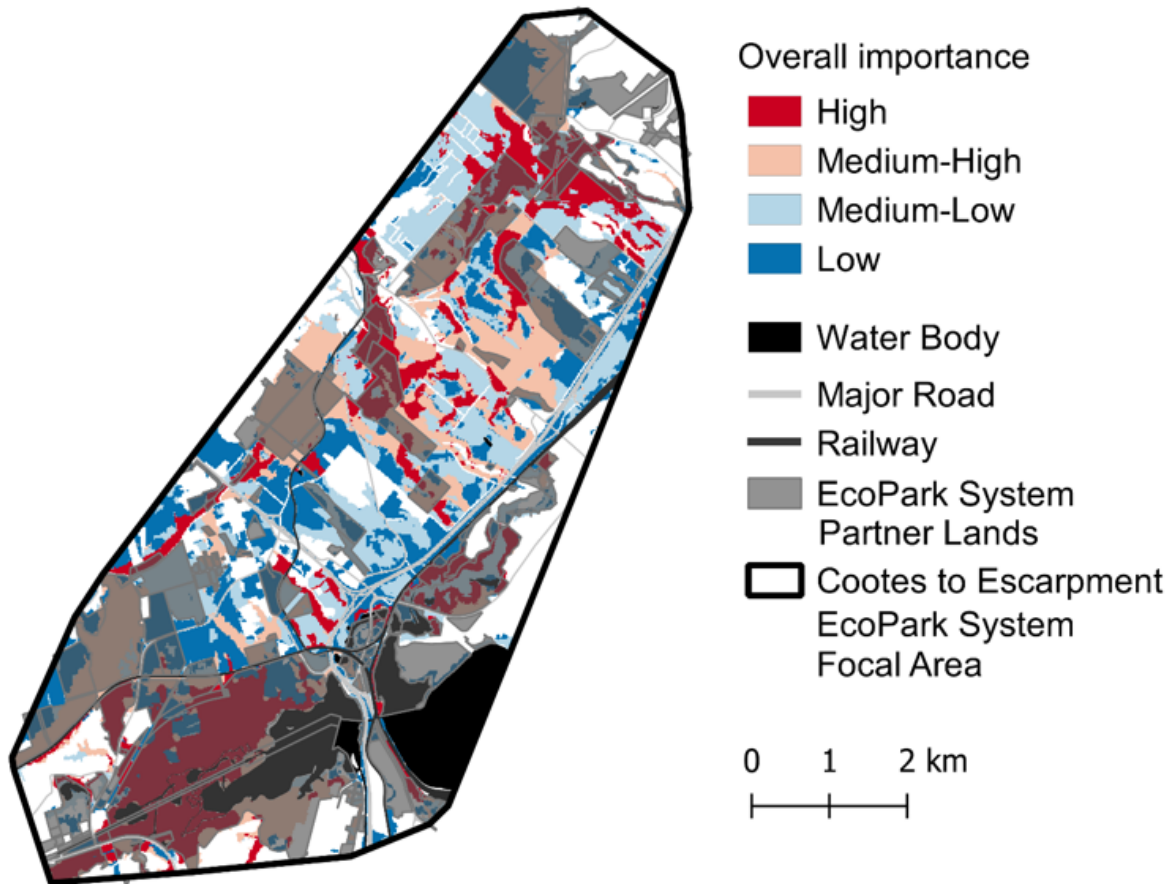


Generic connectivity map in the Cootes to Escarpment EcoPark System focal area (left hand panel) and a 20 km buffer around the focal area (right hand panel).

Source: Draft Report: Wildlife Corridor Mapping in the Cootes to Escarpment EcoPark System, by Bronwyn Rayfield and Caroline Tucker, Apex Resource Management Solutions Ltd., November 2020.

This generalized movement probability was combined with the focal species' assessments of habitat patch connectivity and habitat suitability to produce Figure 2 below, which summarizes the overall priority areas for multispecies connectivity conservation in the Cootes to Escarpment EcoPark System.

Figure 2. Priority Areas for Multispecies Connectivity



Overall summary of priority areas for multispecies connectivity conservation in the Cootes to Escarpment EcoPark System focal area. Priority areas in this map integrate the results of the generalized connectivity analysis and the focal species habitat suitability and connectivity analyses. The overall summary ranges from 0 to 3.

Source: Draft Report: Wildlife Corridor Mapping in the Cootes to Escarpment EcoPark System, by Bronwyn Rayfield and Caroline Tucker, Apex Resource Management Solutions Ltd., November 2020.

A number of important conclusions can be drawn from the results of the study:

- The mapping highlights those areas within the EcoPark System providing major contributions to wildlife habitat connectivity. It also identifies external connections between the EcoPark System and the broader landscape.

- The mapping enables planners and land managers to take careful note of connectivity pinch points and strive to provide additional support to these areas through future initiatives where possible. Such measures may include installation of wildlife crossing structures or targeted restoration to support and enhance existing functions.
- Existing EcoPark System partner lands encompass a large amount of area ranked High or Medium-High. Conversely, there remain several privately owned High and Medium-High priority areas, supporting a need for continued landowner outreach and engagement efforts on biodiversity and habitat connectivity goals in the area.
- This study has provided an important tool for predicting how future land use changes will affect wildlife movement. Conservation Halton plans to apply this methodology across our entire jurisdiction.

TO: Conservation Halton Board of Directors

MEMO: # CHBD 01 21 05

FROM: Barbara J. Veale, Director, Planning & Watershed Management

DATE: February 18, 2021

SUBJECT: **A proposal under the *Endangered Species Act* to enable the use of the Species at Risk Conservation Fund and to streamline authorizations for certain activities that impact species at risk, while maintaining protections for species at risk**
ERO number 019-2636
CH File No.: PPL 052

MEMO

On November 3, 2020, the provincial government released a proposal for new regulations under the *Endangered Species Act* to enable the use of the Species at Risk Conservation Fund and to establish a provincial agency to administer the Fund. The proposal also included amendments to *Ontario Regulation 242/08* to streamline authorizations by amending certain conditional exemptions.

Changes proposed in Part A related to enabling the Species at Risk Conservation Fund (the Fund), including:

- species to be eligible under the Fund
- eligibility of activities and authorizations
- calculation of species conservation charges, including:
 - beneficial actions
 - cost of land, where applicable
 - benefit ratio
 - administration
 - inflation
- providing funds to the Agency
- establishing the Species at Risk Conservation Trust (the Agency)
 - Board of Directors: composition
 - Board of Directors: powers and duties
 - Agency effectiveness and transparency
 - plans for Conservation Fund species
 - operational policy
 - reporting
 - terms and conditions on the Fund

Changes proposed in Part B pertained to further streamlining of ESA authorizations, including:

- species protection and recovery activities (section 23.17)
- Butternut trees (section 23.7)

- hydro-electric generating stations (section 23.12)
- prescribing requirements for changing or cancelling a registered activity

The proposal also included a supplemental document with detailed species conservation charge formulas and costing.

Conservation Halton staff reviewed the proposed changes and submitted comments to the provincial government (attached). We also contributed to and supported the submission of Conservation Ontario. We highlighted our past success in working directly with proponents to complete a number of habitat restoration projects under the auspices of *Endangered Species Act* requirements and indicated our readiness to continue to do so under the operational framework under the new Agency and Fund. We also outlined several areas of concern, including:

- lack of information supporting the selection of species to be eligible under the Fund
- the calculation of funding formulas used for land securement may underestimate costs
- the proportion of species conservation charges that are used to support operational costs of the Agency may be insufficient
- lack of opportunity for agencies such as conservation authorities to provide input on species plans that will determine funding priorities
- there is lack of transparency about the collection and disbursement of funds which could potentially result in localized loss of biodiversity and erosion of natural heritage system resilience
- lack of information/transparency on how funds will be distributed to recipients and who is eligible to receive funds

This proposal has the potential to provide an additional source of funding for environmental restoration projects in our watershed, and for Conservation Halton to continue to help local proponents meet their authorization requirements under the *Endangered Species Act*.

Conversely, it also has the potential for the loss of such funding, depending on how the disbursement of funds is operationalized by the new Agency. The Fund will be administered through a provincial lens which enables the pooled funds to be disbursed for work on different species and in different locations in accordance with the largest beneficial outcome overall. This approach may or may not benefit Conservation Halton. Staff will continue to track developments on this proposal.

December 11, 2020

Public Input Coordinator
Species at Risk Branch
300 Water Street
5th Floor, North Tower
Peterborough ON K9J 8M5

BY EMAIL (ESAREg@ontario.ca)

To Whom It May Concern:

Re: **A proposal under the Endangered Species Act to enable the use of the Species at Risk Conservation Fund and to streamline authorizations for certain activities that impact species at risk, while maintaining protections for species at risk**
ERO number 019-2636
CH File No.: PPL 052

Conservation Halton has reviewed the above-referenced Regulatory Proposal regarding the Endangered Species Act and offers the comments below.

Part A: Enabling the Species at Risk Conservation Fund

Species to be eligible under the Fund

No information was provided to support the statement that the six species proposed for eligibility would benefit from a more strategic and coordinated approach to planning and implementing large-scale protection and recovery efforts. Species-specific rationale should be provided for each one, and for any future proposed additions to the list of Fund species. While we recognize and support the efforts of the Ministry to streamline authorizations, the protection and recovery of species at risk should remain the first and highest test of proposed changes to the regulation.

Calculation of species conservation charges

It is unclear whether the 10% administrative cost is for the administration of the Species at Risk Conservation Fund Agency or the administration of recipient fund management, or both. It would be beneficial if this matter could be clarified.

Board of Directors: powers and duties

In addition to ensuring that investments are made for all conservation fund species for which charges have been received, the regulation should also ensure that investments are made for all geographic regions for which contributions have been received. Otherwise, given provincial disparities in land values and such, there is a strong probability that the bulk of funds received will be disbursed in regions of the province outside the GTHA where the costs are lower. This would result in a loss of biodiversity in the GTHA, and possible localized extirpation of species at risk.

Plans for conservation fund species

It is strongly recommended that the plans for conservation fund species be posted for public input on the Environmental Registry prior to the Agency submitting the plans to the ministry. This would allow for local/regional expertise residing in agencies such as conservation authorities to help inform locations and direction-setting with a high likelihood of conservation success.

Operational policy

The funding formulas for Fund species contain a 10% administrative charge which is intended, at least in part, to support the Agency financially after its first year of establishment (this was confirmed on the webinar). As such, spending on Agency administration should be no more than the amount received through species administrative charges. Otherwise, the amount spent on species conservation will be less than what it currently is in the absence of the Agency.

Reporting

Annual reporting should provide a comparison of the amount collected vs. the amount disbursed by location. This will flag any areas where there are major losses of habitat without corresponding investment to counteract those effects. A mismatch would suggest the potential for erosion of regional and local natural heritage system resilience in areas where there are significantly more losses than investment.

Terms and conditions on the Fund

The proposal does not speak to the disbursement mechanism to be used by the Agency in funding recipients to carry out restoration projects. It is strongly recommended that there be an open and transparent application process to ensure that the best possible projects are funded.

There are no details provided as to how the funds would be distributed or constrained geographically for the selected species. While it is appreciated that flexibility is a desired outcome, there is a risk that areas of intense development pressure that contribute the most to the fund will receive the least in return because of the costs of development in the GTHA.

There are no details as to what entities are entitled to access the funds. Do recipients need to be a registered charity? Can for profit businesses apply? Do they need have minimum certifications such as a representative with a Certified Ecological Restoration Practitioner designation? The criteria for accessing funds by groups should be specified.

Species Conservation Charge Formulas and Costing

If a species' habitat is only partially impacted, how would the hectare "Impact N variable" be calculated? In some instances, the level of impacts to a hectare can vary between projects. This ambiguity should be addressed.

10% Administrative fee

The 10% administrative fee appears to be intended to support both the operation of the Agency in addition to providing recipients with funding to cover their administrative costs. This fee should be sufficiently high to fully cover costs without having to dip into funds for actual project costs.

Appendix A: Cost of land component of species conservation charge

Conservation Halton completed a land securement strategy in 2017 that outlined estimated costs associated with land securement. As illustrated in Table 4 from the strategy, total estimated costs are well in excess of the \$1,400 fixed administrative cost proposed in the conservation charge formulas. It is recommended that this amount be increased substantially. Note the Baseline Documentation Report referenced in the table below is required for conservation easements, which would not likely apply to the matter at hand.

Table 4: Typical Securement Costs

Item	Estimated Cost	Description
Appraisal	\$4,000 - \$7,000	
Legal	\$1,500 - \$4,000	
Survey	\$2,500 - \$15,000	
Phase 1 Assessment	\$2,000 - \$4,000	
Baseline Documentation Report	\$8,000 - \$13,000	Primarily for conservation easement agreements; a record of the ecological, physical and cultural features of a property at a point in time, need trained staff
Staff/contractor time	\$4,000 - \$12,000	Dedicated staff time to implement landowner contact, negotiations, etc.
Total (incl. BDR)	\$22,000 - \$55,000	
Total (not incl. BDR)	\$16,000 - \$42,000	

General Comments

Conservation Authorities have successfully worked directly with proponents to complete a number of overall benefit (Section 17(2)(c)) habitat restoration projects on their behalf. We hope to continue to provide such services through the Agency for Species at Risk Conservation Fund species. We would be pleased to discuss these opportunities further with Ministry staff. Should you have any questions or wish to discuss our comments, please contact Kim Barrett, Associate Director, Science and Partnerships at kbarrett@hrca.on.ca.

Yours truly,



Barbara Veale, PhD, RPP, MCIP
Director, Planning and Watershed Management

TO: Conservation Halton Board of Directors

NO: CHBD 01 21 06

FROM: Barbara J. Veale, Director, Planning & Watershed Management

DATE: 18/02/2021

SUBJECT: Proposed implementation of provisions in the Planning Act that provide the Minister enhanced authority to address certain matters as part of a zoning order
ERO No. 019-2811
CH File No.: PPO 062

MEMO

The *Planning Act* gives the Minister of Municipal Affairs and Housing the authority to zone any property in Ontario by issuing a zoning order. Currently, when a zoning order is issued by the Minister, a municipality that uses the site plan control tool in the Act has the authority to address site plan matters for that area. The recently enacted legislative changes to the *Planning Act* enhance the Minister's authority for zoning orders across the province. This enhanced authority does not apply to lands within the Greenbelt Area. The enhanced authority allows the Minister to:

- require inclusionary zoning affordable housing (inclusionary zoning),
- remove municipal use of site plan control and require agreements between the municipality and development proponent (or landowner) concerning site plan matters, and;
- make amendments to Minister's Zoning Orders (MZO's) that use any of these enhanced authorities without first giving public notice.

According to the posting, the intent of an enhanced MZO is to overcome potential barriers and development delays. This new authority could be used to support the delivery of transit station infrastructure and the optimization of surplus lands (e.g., affordable housing and long term care homes), provide increased certainty for strategic projects, remove potential approvals delays, increase the availability of affordable housing, and provide additional value capture to enable economic recovery.

The Ministry is seeking feedback to determine whether the legislative changes made in this regard by Bill 197, the *COVID-19 Economic Recovery Act, 2020* should be expanded, repealed or otherwise adjusted and how any of this enhanced authority should be implemented.

Conservation Halton (CH) staff has reviewed the changes and expressed concern that there is nothing provided in the legislative changes that:

- requires the Minister's decision making to be consistent with the Provincial Policy Statement (PPS), including the protective policies for agriculture, water or natural heritage,
- considers the policies contained in other provincial land use plans,

- precludes or limits the issuance of MZOs in natural hazard areas where there is a risk to public safety and property damage, contrary to Section 3 of the PPS,
- requires adherence to the policies approved for drinking water source protection plans approved under the *Clean Water Act*.

Furthermore, MZOs are not subject to the usual public notice, comment, and appeal rights as are afforded under the *Planning Act*.

Conservation Halton has provided comments to the Ministry that recommend changes to the legislation to ensure:

- public notice and consultation opportunities,
- adherence to key requirements of other provincial legislation, and
- consultation with conservation authorities on natural hazard matter to confirm that MZOs are issued only for sites where there is little risk to public safety and property damage or where mitigation works that are technically and economically feasible can be implemented.

A copy of the correspondence sent to the Ministry of Municipal Affairs and Housing on January 28, 2021 is attached. Conservation Halton also supported the submission of Conservation Ontario.

January 28, 2021

Planning Consultation
Provincial Planning Policy Branch
Ministry of Municipal Affairs and Housing
777 Bay Street, 13th Floor
Toronto, ON M7A 2J3

By Email: PlanningConsultation@ontario.ca

RE: Proposed implementation of provisions in the Planning Act that provide the Minister enhanced authority to address certain matters as part of a zoning order
ERO No. 019-2811
CH File No.: PPO 062

Conservation Halton has had an opportunity to review the amendments to the *Planning Act* providing enhanced authority to the Minister of Municipal Affairs and Housing as provided for by Bill 197, the *COVID-19 Economic Recovery Act, 2020*. In this regard, Conservation Halton has the following comments:

Public Consultation Process

While it is recognized that there is a need to overcome potential barriers and development delays for the timely delivery of key infrastructure and strategic projects and the optimization of surplus lands for affordable housing and long-term care homes, public notice, comment and appeal rights under the *Planning Act* should be respected. Rather than removing public notice, a streamlined process should be considered which will allow public notice and input.

Adherence to Provincial Plans, Policies and Regulations

Conservation Halton (CH) staff has reviewed the changes and is concerned that they do not:

- require the Minister's decision making to be consistent with the Provincial Policy Statement (PPS), including the protective policies for agriculture, water, or natural heritage,
- consider the policies contained in other provincial land use plans,
- preclude or limit the issuance of MZOs in natural hazard areas where there is a risk to public safety and property damage, contrary to Section 3 of the PPS, or
- require adherence to the policies approved for drinking water source protection plans approved under the *Clean Water Act*.

Provincial Policies and Plans

Minister's Zoning Orders that conflict with provincial policies and plans should be enacted sparingly and only in exceptional cases. We recommend that the order include a detailed justification as to why non-compliance with provincial policies and plans is defensible. Otherwise, the integrity of provincial and local planning processes, policies, plans, and intended outcomes may be undermined.

Protection of Life and Property

Recent changes to the *Conservation Authorities Act* allow the Minister to issue an MZO for development within areas regulated by Conservation Authorities, including natural hazards. Where this is the case, conservation authorities are required to issue permits with conditions to ensure mitigation measures to safeguard public health and safety are implemented. However, it may be challenging to fully address risk. Depending on the level of risk on a subject property, and even with mitigation works, new development may transfer flooding or erosion risks to downstream property owners. This may, in turn, trigger the need for costly downstream remedial measures at the taxpayers' expense.

To ensure that: 1) there is no increased risk to public safety and property damage, and 2) mitigation is technically and economically feasible, consultation with the local conservation authority should be required prior to an MZO being issued in regulated areas. Where the risk cannot be appropriately mitigated or where the development is likely to cause cumulative impacts to downstream landowners, an MZO should not be issued.

Where MZOs are considered with mitigation works to protect individual properties from natural hazards, there may be a need for on-going maintenance and repair. A mechanism to require the landowner to maintain privately-owned mitigation works in a state of good repair is recommended.

Source Protection Planning

Local source protection plan policies either prohibit or manage certain activities on properties within drinking water vulnerable areas, to ensure the protection of existing and future sources of drinking water. Policy tools include land use planning, environmental compliance approvals and risk management plans.

Through source protection planning, permits, licences and risk management plans contain conditions and measures to achieve the goal of drinking water source protection. To ensure that drinking water contamination or overuse does not happen, MZOs should be aligned with source protection plan policies.

Thank you for providing an opportunity for input on the changes to the to the *Planning Act* that enhance the Minister's authority for zoning orders across the province.

Should you have any questions, please contact me.

Yours very truly,



Barbara J. Veale, PhD, MCIP, RPP
Director, Planning and Watershed Management

TO: Conservation Halton Board of Directors

MEMO NO: # CHBD 01 21 07

FROM: Barbara Veale, Director of Planning and Watershed Management

DATE: February 18, 2021

SUBJECT: **Proposed Implementation of Updates to Ontario's Water Quantity Management Framework**
ERO No.: 019-2017
CH File No.: PPO 059

MEMO

In July 2020, Conservation Halton (CH) commented on the provincial government's proposed enhancements to Ontario's water taking program including measures such as establishing priorities of water use to guide water taking decisions and assessing and managing multiple water takings together. In November 2020, Conservation Halton commented on the provincial government's proposed regulatory changes to the *Environmental Protection Act* and *Ontario Water Resources Act* to streamline permissions for certain low risk short-term water taking activities. In December 2020, the provincial government publicly consulted on the implementation of updates to Ontario's water quantity management framework. The Environmental Registry of Ontario (ERO) posting No. 019-2017 includes draft guidance to help manage water taking in areas where water quantity is a concern and proposal to remove the province's interim bottled water guidance.

CH staff reviewed the proposal and contributed to a joint submission to the Ministry of the Environment, Conservation and Parks from Conservation Ontario as well as provided comments independently through the ERO posting, as attached. CH generally agrees with the proposed updates to Ontario's water quantity management framework, with a few key comments include the following:

- Conservation Authorities can provide strong support, given their relevant watershed knowledge and expertise allowing for greater efficiencies.
- Area identification mechanisms should be listed and described in the guidance document for area-based water taking management strategy.
- Considerations for initiating a water taking management strategy should include both current documented and anticipated future conditions.
- The preliminary assessment should identify information gaps and indicate if a comprehensive assessment is required.
- Updated water budget studies for watersheds should be utilized along with enhanced watershed-wide water and climate change monitoring.
- Water takings must meet criteria to demonstrate that ecosystem health and environmental flow is not adversely impacted.

Conservation Halton will continue to monitor and review related proposals and decisions on Ontario's water quantity management framework.

January 28, 2021

Brent Taylor
Senior Policy Analyst
Ontario Ministry of the Environment, Conservation and Parks
Environmental Policy Branch
Environmental Policy Division
40 St Clair Ave W
Toronto, ON M4V 1M2
Email: brent.taylor@ontario.ca

BY EMAIL

Dear Brent,

RE: Proposed Implementation of Updates to Ontario's Water Quantity Management Framework
ERO No. 019-2017
CH File No.: PPO 059

Thank you for the opportunity to provide comments on the Province's implementation of updates to Ontario's water quantity management framework, including draft guidance to help manage water taking in areas where water quantity is a concern and proposal to remove the province's interim bottled water guidance.

Conservation Halton (CH) supports efforts to enhance Ontario's water quantity management framework. CH comments are provided below, organized into three parts: general comments, draft guidance to support area-based water quantity management, and draft guidance to support priorities of water use.

General Comments

Overall, CH agrees with the proposed updates to Ontario's water quantity management framework. Conservation Authorities can provide strong support, given our relevant watershed knowledge and expertise allowing for greater efficiencies.

Draft Guidance to Support Area-based Water Quantity Management

a) Area-based Water Taking Management Strategy

CH agrees with the proposed area-based water taking management strategy as it allows for an assessment of cumulative impacts in stressed areas. We recommend that the area identification mechanisms be listed and described in the guidance document.

b) Considerations for Initiating a Water Taking Management Strategy

There appears to be a difference in a wording between the Figure 1 (wording: consideration of changing conditions that “**could affect the future** sustainability of water resources..”); and at the top of page 5, point #2 (wording: reliance upon documented evidence for changing conditions that “**are adversely affecting** the sustainability of water resources”). We recommend that the considerations include both current documented and anticipated future changing conditions.

c) Preliminary Assessment

We recommend that the preliminary assessment should:

- 1) clearly list and describe the information utilized and identify information gaps to support transparency to all water takers in the determined area.
- 2) identify any immediate opportunities to help bridge some of the gaps (for example, monitoring).
- 3) identify the need for a scientifically sound comprehensive assessment.

The undertaking the assessment (where deemed necessary) can be supported by Conservation Authorities based on local area-based knowledge and experience.

d) Preparing a Water Taking Management Strategy

We agree with the suggested approach and recommend that the criteria and methods be based on science and research.

e) Enabling Water Users, Local Stakeholders, and Indigenous Communities on a Water Taking Management Strategy

Conservation Authorities can contribute strongly to strategy implementation, for example updating source protection water budget studies, applying such water budget methods across the watershed, enhanced watershed-wide water and climate change monitoring, and assisting with stakeholder engagement (where funded to do so). Gaps identified in the preliminary assessment should help inform the strategy.

f) Aligning a Water Taking Management Strategy with Other Provincial Policies and Programs

We agree with the suggested approach.

Draft Guidance to Support Priorities of Water Use

CH agrees with the draft guidance approach. Water takings (regardless of prioritization) must meet criteria to demonstrate that ecosystem health and environmental flow is not adversely impacted.

If you have any questions, please contact Chitra Gowda, Senior Manager, Watershed Planning and Source Protection, email: cgowda@hrca.on.ca phone: 905-336-1136 x2237.

Regards,

A handwritten signature in black ink that reads "Barbara Veale". The signature is written in a cursive, flowing style.

Barbara J. Veale, PhD, RPP, MCIP
Director, Planning and Watershed Management

TO: Conservation Halton Board of Directors

MEMO NO: CHBD 01 21 08

FROM: Barbara J. Veale, Director, Planning & Watershed Management

DATE: February 18, 2021

SUBJECT: **Permits & Letters of Permission issued under Ontario Regulation 162/06 from September 1 to December 31, 2020**

Recommendation

THAT the Conservation Halton Board of Directors **receives for information the Permits and Letters of Permission issued by staff under Ontario Regulation 162/06 for the period of September 1 to December 31, 2020, as identified in Report No. CHBD 01 21 08 dated February 18, 2021.**

Report

Between September 1, 2020 and December 31, 2020, Conservation Halton (CH) issued 128 Permits and 20 Letters of Permission (see attached table). By comparison, during the same reporting period in 2019, CH issued 77 Permits and 25 Letters of Permission, which is an overall increase of approximately 68% more Permits and Letters of Permission (combined). 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, revised November 26, 2015.*

Impact on Strategic Goals

This report supports the Metamorphosis strategic theme of taking care of our growing communities. The theme is supported by the objective to remain dedicated to ecosystem-based watershed planning that contributes to the development of sustainable rural, urban and suburban communities.

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:

Approved for circulation:



Barbara J. Veale
Director, Planning & Watershed Management



Hassaan Basit
President & CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT: Kellie McCormack, Associate Director, Planning & Regulations;
905-336-1158 x 2228; kmccormack@hrca.on.ca

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
Burlington						
A/18/B/68	7629	4507 No. 4 Sideroad	Reconstruction of a two-storey dwelling and accessory building, replacement of septic system, construction of detached garage with carport, and associated grading works within the floodplain associated with Bronte Creek.	2020-10-19	2020-11-02	Ola Panczyk
A/19/B/11	7627	0 Winterberry (adj. to 1387) Drive	Erosion control and bank stabilization including the construction of a grouted armourstone scour pad and walls, channel realignment, and vegetation restoration within Hager Creek.	2020-10-22	2020-10-29	Cassandra Connolly
A/19/B/113	**REVISED** 7426	466 Dynes Road	**REVISED** Proposed demolition of an existing dwelling within the floodplain of Roseland Creek and the re-construction of a larger dwelling, meeting the criteria for a minor addition.	2020-10-19	2020-10-27	Cassandra Connolly
A/19/B/12	7634	0 Snake (adj. to 570 Crane Court) Road	Repairs to the outfall of a culvert which conveys a tributary of Grindstone Creek, including the construction of a new armourstone retaining wall, introduction of a scour pad between a concrete apron and channel bed, the addition of vegetated buttresse, and restoration plantings.	2020-10-30	2020-11-04	Cassandra Connolly
A/19/B/13	7669	0 Howard (E. of Hidden Valley Rd & Lemonville) Road	Erosion protection works within Grindstone Creek including the construction of a new buried armourstone wall within the bank, introduction of vegetated buttress and instream weirs, and restoration plantings.	2020-10-30	2020-11-14	Cassandra Connolly
A/19/B/37	7637	1117 No. 1 Sideroad	A Horizontal Directional Drill crossing of multiple tributaries of Grindstone Creek and the Lake Medad Valley Provincially Significant Wetland (PSW).	2020-09-28	2020-11-05	Charles Priddle
A/19/B/38	7638	1117 No. 1 Sideroad	A Horizontal Directional Drill crossing of multiple tributaries of Grindstone Creek.	2020-09-28	2020-11-05	Charles Priddle
A/19/B/39	7639	2161 No. 1 Sideroad	A crossing, largely by HDD, of a tributary of Grindstone Creek and the Grindstone Creek Headwater Provincially Significant Wetland Complex.	2020-09-28	2020-11-05	Charles Priddle
A/19/B/40	7640	2227 No. 1 Sideroad	A crossing, largely by Horizontal Directional Drilling, of a tributary of Grindstone Creek, and the Grindstone Creek Headwater Provincially Significant Wetland Complex.	2020-09-28	2020-11-05	Charles Priddle
A/19/B/42	7641	4200 Guelph Line	A crossing, largely by Horizontal Directional Drilling, of a tributary of Grindstone Creek.	2020-09-28	2020-11-05	Charles Priddle
A/19/B/43	7642	3339 No. 1 Sideroad / 4250 Walkers Line	An open cut crossing of a number of tributaries of Bronte Creek.	2020-09-30	2020-11-05	Charles Priddle
A/19/B/44	7643	4267 Walkers Line	An open cut crossing of a tributary of Bronte Creek.	2020-09-30	2020-11-05	Charles Priddle
A/19/B/45	7644	4335 No. 1 Sideroad	An open cut crossing of a valley within the Bronte Creek watershed.	2020-09-30	2020-11-05	Charles Priddle
A/19/B/46	7645	4219, 4074 & 4080 Appleby Line	Horizontal Directional Drill crossing of the main branch of Bronte Creek and valley.	2020-09-30	2020-11-05	Charles Priddle
A/20/B/05	7619	6031 Cedar Spring Road	Reconstruction and relocation of a dwelling and septic system currently within the valley of Bronte Creek to a location that maintains a minimum 6 metre setback from the stable top of bank and the reconstruction of a deck.	2020-10-16	2020-10-22	Ola Panczyk
A/20/B/100	7571	4078 Lakeshore Road	Construction of a new single dwelling including porches, patios, outdoor swimming pool, and landscaped areas within the erosion hazard of Lake Ontario, but beyond the required setbacks for habitable and non-habitable development.	2020-09-02	2020-09-11	Cassandra Connolly
A/20/B/101	7635	364 North Shore Boulevard	Installation of a Cogeco Connexion cable and conduit within the valley and floodplain associated with Falcon Creek to service an existing residential dwelling.	2020-10-29	2020-11-04	Cassandra Connolly

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/B/102	7589	2112 Salisbury Court	Construction of a front porch and walkway within the valley associated with Upper Hager Creek.	2020-09-09	2020-09-18	Ola Panczyk
A/20/B/103	7573	4200 Kilmer Drive	Re-construction of existing front concrete stair entrances at the units of a multi-residential complex, some of which are located between 30-120 metres of a wetland greater than 2 hectares in size.	2020-09-10	2020-09-14	Cassandra Connolly
A/20/B/105	7597	Brant Street & Fairview Street	Construction of retaining walls and excavation works surrounding a Burlington Hydro transformer location within the erosion hazard and 7.5m regulatory allowance associated with Upper Rambo Creek.	2020-09-23	2020-09-29	Cassandra Connolly
A/20/B/106	7603	3525 & 3455 Fairview Street	Installation of a new Bell Canada conduit, Grade Level Box, and pedestal via open trench and directional bore excavation within the floodplain and 7.5m regulatory allowance associated with Tuck Creek.	2020-09-28	2020-10-05	Cassandra Connolly
A/20/B/107	7604	3525 Fairview Street	Installation of a new Bell Canada conduit, Grade Level Box, and pedestal via open trench and directional bore excavation within the floodplain and 7.5m regulatory allowance associated with Tuck Creek.	2020-09-28	2020-10-05	Cassandra Connolly
A/20/B/109	7599	891 Falcon	Construction of a new detached accessory structure within 7.5m of the top of bank erosion hazard associated with Falcon Creek, maintaining the minimum 3m setback from the hazard.	2020-09-30	2020-09-30	Cassandra Connolly
A/20/B/111	7609	1120 Burloak Drive	Removal of a private road crossing and placement of articulated concrete blocks in order to match upstream and downstream conditions within the regulated area associated with Sheldon Creek.	2020-10-08	2020-10-08	Ben Davis
A/20/B/112	7608	951 Falcon Boulevard	Partial re-construction of a roof and repairs to an existing dwelling located within the valley of Falcon Creek.	2020-10-09	2020-10-08	Cassandra Connolly
A/20/B/113	7617	5140 Pindeale Avenue	Installation of a storm sewer and associated grading works with the floodplain associated with Appleby Creek.	2020-10-14	2020-10-15	Ola Panczyk
A/20/B/115	7623	676 Bayshore Boulevard	Reconstruction of an existing garage with new second-storey addition within the erosion hazard but beyond the Engineered Development Setback associated with Lake Ontario.	2020-10-15	2020-10-26	Ola Panczyk
A/20/B/116	7622	4471 Escarpment Drive	Construction of a single dwelling including front and rear decks/patios, driveway, septic system, and associated minor grading within 30-120m of a Provincially Significant Wetland (PSW).	2020-10-15	2020-10-26	Cassandra Connolly
A/20/B/118	7624	6207 Lowville Park Road	Construction of an open pavilion shade structure and on-grade concrete pads (Picnic Area #5 and #6) within the floodplain of Bronte Creek at Lowville Park.	2020-10-19	2020-10-27	Cassandra Connolly
A/20/B/119	7632	879 Falcon Boulevard	Re-construction/repair of an existing rear addition to a dwelling located within the valley associated with Upper Hager Creek.	2020-10-19	2020-11-03	Cassandra Connolly
A/20/B/120	7636	2230 Grand Boulevard	Reconstruction of a dwelling with minor addition within the valley of Bronte Creek.	2020-10-28	2020-11-04	Ola Panczyk
A/20/B/123	7651	2277 Forest Hill	Construction of a detached garage with a non-enclosed covered walkway to the existing dwelling within 15 metres of the floodplain associated with Bronte Creek.	2020-11-17	2020-11-18	Ola Panczyk
A/20/B/129	7656	5546 Twelve Mile Trail	Construction of an inground swimming pool, patio, and armoustone retaining walls within 15m of the top of bank erosion hazard associated with Bronte Creek, maintaining the minimum 6m setback from the hazard.	2020-11-19	2020-12-01	Cassandra Connolly
A/20/B/131	7661	6474 Panton Street	Construction of a detached storage shed within 15m of the top of bank erosion hazard associated with Bronte Creek, maintaining the minimum 6m setback from the hazard.	2020-11-26	2020-12-04	Cassandra Connolly

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/B/133	7671	1291 Old York Road	Replacement of an existing septic system located within the valley of Grindstone Creek.	2020-11-24	2020-12-14	Cassandra Connolly
A/20/B/135	7666	3088 Lakeshore Road	Construction of an addition (garage with second storey habitable space) to the existing dwelling, maintaining applicable setbacks associated with the erosion hazard of the shoreline of Lake Ontario.	2020-11-27	2020-12-11	Cassandra Connolly
A/20/B/136	7667	2443 Britannia Road	The re-construction and extension of an existing driveway within the valley and 15m regulatory allowance of Bronte Creek.	2020-12-03	2020-12-11	Cassandra Connolly
A/20/B/138	7670	3425 Regal Road	Construction of a 20 sq. m covered patio (patio/deck and roof extension) within the 7.5m regulatory allowance associated with the floodplain of Tuck Creek.	2020-12-10	2020-12-14	Cassandra Connolly
A/20/B/139	7673	116 Edgecliffe Place	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.	2020-12-15	2020-12-15	Kellie McCormack
A/20/B/38	7670	284 North Shore Boulevard West	Construction of a 20 sq. m covered patio (patio/deck and roof extension) within the 7.5m regulatory allowance associated with the floodplain of Tuck Creek.	2020-12-09	2020-12-14	Cassandra Connolly
A/20/B/52	7595	550 North Shore Boulevard East	The construction of a temporary accessway within the meander belt erosion hazard of Falcon Creek and the associated 7.5m regulated allowance, and within the erosion hazard of the shoreline of Lake Ontario to facilitate the construction of additions and decks to an existing dwelling located outside of the regulated area.	2020-09-01	2020-09-25	Cassandra Connolly
A/20/B/58	7658	2167 Bonfield Court	Construction of an inground swimming pool and surrounding interlock patio within 7.5m of the top of bank erosion hazard associated with Upper Rambo Creek, maintaining the minimum setback from the hazard.	2020-11-18	2020-12-03	Cassandra Connolly
A/20/B/78	7564	2151 Walkers Line	Re-construction of twenty (20) existing second storey decks/balconies located within the 7.5m allowance from the floodplain of Shoreacres Creek, maintaining a 6m setback from the hazard.	2020-08-31	2020-09-08	Cassandra Connolly
A/20/B/99	7568	815 Spring Gardens Road	The reconstruction of an existing attached garage and construction of a new 2-storey addition within the valley of Grindstone Creek, to be located no further into the valley than existing development.	2020-08-31	2020-09-10	Cassandra Connolly
S/19/B/12	7561	1086 Lakeshore Road	Upgrades to the Burlington Beachway Pavilion inclusive of replacement of an existing wood deck, washroom upgrades, barrier free beach access, new beach landing, and dune restoration works along the shoreline of Lake Ontario.	2020-08-17	2020-09-02	Cassandra Connolly
S/19/B/14	7572	256 North Shore Boulevard East	The re-construction of an attached garage, including a non-habitable second-storey storage area, located immediately adjacent to the stable top of bank associated with a valley of West Aldershot Creek, and within the erosion hazard of Lake Ontario.	2020-08-27	2020-09-11	Cassandra Connolly
S/19/B/20	**REVISED** 7369	2084 Old Lakeshore Road	Construction of shoreline protection works consisting of an armour stone revetment along the shoreline of Lake Ontario.	2020-09-16	2020-09-29	Cassandra Connolly

Halton Hills

A/20/HH/21	7594	10831 Fifth Line	Construction of a 20ft x 40ft inground swimming pool and associated landscaping within the floodplain associated with Sixteen Mile Creek.	2020-09-24	2020-09-24	Ben Davis
A/20/HH/27	7626	10600 Sixth Line	Replacement of a septic system located between 6 and 15 from the floodplain associated with Sixteen Mile Creek, but no closer than the existing system.	2020-10-22	2020-10-28	Ben Davis

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/HH/25	Letter of Permission	10 Deer Run Crescent	Installation of septic tank replacement located between 30 and 120 metres of a wetland greater than 2 hectares in size.	2020-09-30	2020-10-05	Ben Davis
A/20/HH/29	Letter of Permission	6629 Seventeenth Sideroad	Construction of a 13ft x 21ft 1 storey addition to the existing dwelling, replacement of the existing deck and construction of a 16ft x 20ft detached accessory building located between 30 and 120 metres of wetland greater than 2 hectares in size.	2020-11-17	2020-11-19	Ben Davis

Hamilton						
A/19/H/16	7574	752 Centre Rd / 360 Fifth Conc. Rd E	Horizontal Direction Drill crossing of a tributary of Grindstone Creek, the flooding and erosion hazards associated with that watercourse, as well as the Lake Medad Valley Provincially Significant Wetland (PSW).	2020-09-14	2020-09-15	Charles Priddle
A/19/H/17	7646	764 Robson Rd / 422 Fifth Conc Rd E	A crossing, largely by Horizontal Directional Drilling, of a tributary of Grindstone Creek, and within 30 metres of the Lake Medad Provincially Significant Wetland Complex.	2020-09-28	2020-11-05	Charles Priddle
A/19/H/18	7647	513 Fifth Concession Road East	An open cut crossing of a tributary of Bronte Creek, and between 30 metres and 120 metres of the Lake Medad Provincially Significant Wetland Complex.	2020-09-28	2020-11-05	Charles Priddle
A/20/H/25	7648	0 Evans Road	Replacement of two culverts beneath Evans Road that convey a tributary of Grindstone Creek.	2020-11-12	2020-11-12	Charles Priddle
A/20/H/31	7490	383 Parkside Drive	A gas line connection to an existing house requiring excavation within 15 metres of the stable top of bank associated with a tributary of Grindstone Creek.	2020-09-21	2020-09-21	Charles Priddle
A/20/H/47	7567	656 Robson Road	The construction of a greenhouse with a loading dock and associated servicing and grading within 30 – 120 m of a Provincially Significant Wetland (PSW), and the installation of a bioretention swale adjacent to the PSW and within the floodplain associated with Grindstone Creek.	2020-08-13	2020-09-10	Ola Panczyk
A/20/H/52	7565	23 James Street	construction of a garage within 15 meters but no closer than 6 metres of the top of bank hazard associated the Grindstone Creek valley	2020-09-08	2020-09-09	Charles Priddle
A/20/H/53	7582	17 Bluehorn Lane	Construction of an approximately 20 square metre patio within floodplain associated with Bronte Creek.	2020-09-15	2020-09-15	Charles Priddle
A/20/H/56	7630	752 Centre Road	Creation of a limestone walkway requiring new culverts and associated grading between 30 metres and 120 meters of a Provincially Significant Wetland (PSW).	2020-10-30	2020-11-02	Charles Priddle
A/20/H/66	7659	252 Sixth Concession Road East	Reconstruction of an existing driveway and septic replacement within the floodplain, meander belt erosion hazard, and associated 15m regulatory allowance of Grindstone Creek	2020-11-26	2020-12-03	Cassandra Connolly
A/20/H/69	7675	587 Twelfth Concession Road East	Replacement of a damaged sanitary forcemain and watermain which crosses beneath Bronte Creek and within 0-30m of a Provincially Significant Wetland (PSW).	2020-12-14	2020-12-14	Cassandra Connolly
A/20/H/29	**REVISED** Letter of Permission	338 Carlisle Road	**REVISED** Construction of an accessory building between 30 metres and 120 metres of a Provincially Significant Wetland, as well as a pool and associated decking between 15 metres and 30 metres of a Provincially Significant Wetland.	2020-09-25	2020-09-25	Charles Priddle
A/20/H/49	Letter of Permission	984 Garden Lane	Second storey addition to an existing dwelling and detached accessory building between 30 metres and 120 meters of a Provincially Significant Wetland.	2020-08-31	2020-09-11	Ben Davis
A/20/H/54	Letter of Permission	1085 Tenth Concession Road West	Reconstruction of an existing deck and construction of a front porch building between 30 metres and 120 meters of a Provincially Significant Wetland (PSW).	2020-09-21	2020-09-21	Ben Davis

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/H/55	Letter of Permission	102 Eleventh Concession Road East	Installation of an inground pool with associate decking between 30 metres and 120 meters of a Provincially Significant Wetland (PSW).	2020-09-21	2020-09-22	Charles Priddle
A/20/H/57	Letter of Permission	1548 Brock Road	Structural repairs to an existing house and detached garage located between 30 metres and 120 meters of a Provincially Significant Wetland (PSW).	2020-10-01	2020-10-09	Charles Priddle
A/20/H/58	Letter of Permission	182 Eleventh Concession Road East	Construction of a deck and addition to the existing dwelling within 30 – 120 metres of a Provincially Significant Wetland (PSW).	2020-10-07	2020-10-14	Ola Panczyk
A/20/H/59	Letter of Permission	1085 Tenth Concession Road West	Construction of a 12' by 18' accessory structure between 30 metres and 120 meters of a Provincially Significant Wetland (PSW).	2020-10-06	2020-10-07	Charles Priddle
A/20/H/61	Letter of Permission	302 Carlisle Road	Installation of an NPS gas pipeline connection to a residence requiring excavation between 30 metres and 120 meters of a Provincially Significant Wetland.	2020-10-23	2020-10-26	Charles Priddle
A/20/H/67	Letter of Permission	53 Appaloosa Trail	Construction of a detached accessory structure location within 30 and 120 metres of a wetland greater than 2 hectares in size.	2020-12-03	2020-12-11	Cassandra Connolly

Milton						
A/18/M/24	7615	0 Whitlock Street	Construction of the Whitlock Avenue Bridge crossing of Sixteen Mile Creek and its associated valley and floodplain.	2020-08-24	2020-10-14	Ben Davis
A/19/M/110	7563	6205 Tremaine Road	construction of the ultimate channel crossing of a tributary of Sixteen Mile Creek (Tributary I-NE-2A within the floodplain associated with a tributary of Sixteen Mile Creek on the Mattamy Varga Property.	2020-07-20	2020-09-08	Ben Davis
A/19/M/111	7556	6205 Tremaine Road	Construction of the ultimate channel realignment of a tributary of Sixteen Mile Creek (Tributary I-NE-2A), construction of a trail and pedestrian bridge within the floodplain associated with a tributary of Sixteen Mile Creek (Tributary I-NE-2A) on the Mattamy Varga Property.	2020-07-20	2020-09-03	Ben Davis
A/19/M/112	7653	6205 Tremaine Road	Construction of a diversion swale including wetland tie-in within the floodplain associated with a tributary of Sixteen Mile Creek and within 30 metres of a Provincially Significant Wetland (PSW).	2020-07-28	2020-11-24	Ben Davis
A/19/M/113	7566	6205 Tremaine Road	Construction of the trail network and associated works north of the channel crossing of Tributary I-NE-2A on the Mattamy Varga Property to the limit of the Conservatory Property. The works will be located within 6 and 15 metres of the valley associated with a tributary of Sixteen Mile Creek.	2020-07-20	2020-09-08	Ben Davis
A/19/M/23	7581	4380 & 4340 Henderson Road	Installation of a pipeline within 30m of the North Oakville-Milton West Wetland Provincially Significant Wetland Complex.	2020-09-14	2020-09-15	Charles Priddle
A/19/M/24	7575	0 Lower Base (S. of 2194) Line	Open cut crossing of a tributary of Sixteen Mile Creek and the flooding and erosion hazards associated with that watercourse.	2020-09-14	2020-09-15	Charles Priddle
A/19/M/25	7576	0 Lower Base (S. of 2077) Line	Horizontal Direction Drill crossing of the main branch of Sixteen Mile Creek, and the flooding and erosion hazards associated with that watercourse.	2020-09-14	2020-09-15	Charles Priddle
A/19/M/26	7577	0 Lower Base (S. of 1220) Line	Horizontal Direction Drill crossing of a valley which conveys a tributary of Sixteen Mile Creek, the flooding and erosion hazards associated with that watercourse and wetlands larger than 2 ha in size.	2020-09-14	2020-09-15	Charles Priddle
A/19/M/27	7578	0 Lower Base (S. of 840) Line	open cut crossing of a tributary of Sixteen Mile Creek and the flooding and erosion hazards associated with that watercourse.	2020-09-14	2020-09-15	Charles Priddle
A/19/M/47	**REVISED** 7242	86 Martin Street	**REVISED** Reconstruction of a detached garage including retaining wall repairs and the addition of a deck between 6 and 15 metres of the flooding and erosion hazards associated with Sixteen Mile Creek..	2020-09-25	2020-09-30	Ben Davis

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/19/M/63	7684	0 Fourteenth (b/w Appleby & Tremaine) Sideroad	Replacement of an existing 200mm watermain across two tributaries of Bronte Creek between the Milton Reservoir and Tremaine Road.	2020-12-22	2021-01-06	Matt Howatt
A/19/M/71	7590	12535 Britannia (Drumquin Park) Road	Removal of a V-notch concrete weir within a tributary of Sixteen Mile Creek and associated floodplain grading.	2020-11-27	2020-11-27	Ben Davis
A/20/HH/28	7621	9202 Third Line	Septic tank replacement located within 15 metres of the stable top of bank associated with Sixteen Mile Creek.	2020-10-20	2020-10-23	Ben Davis
A/20/M/07	7585	6199 Tremaine (Pony Pines Crossing) Road	Construction of the ultimate crossing of a tributary of Sixteen Mile Creek (Tributary I-NE-2A) within the floodplain associated with a tributary of Sixteen Mile Creek (Tributary I-NE-2A) on the Great Gulf Pony Pines Property.	2020-08-05	2020-09-16	Ben Davis
A/20/M/09	7588	6199 Tremaine (Pony Pines - SWM Pond B2 Outfall)	Construction of SWM Pond B2 and outfall to a tributary of Sixteen Mile Creek (Tributary I-NE-2A) within the floodplain associated with a tributary of Sixteen Mile Creek (Tributary I-NE-2A) on the Great Gulf Pony Pines Property.	2020-08-05	2020-09-18	Ben Davis
A/20/M/10	7587	6199 Tremaine (Pony Pines - SWM B1 Outfall)	Construction of SWM Pond B1 and outfall to a tributary of Sixteen Mile Creek (Tributary I-NE-2A) within the floodplain associated with a tributary of Sixteen Mile Creek (Tributary I-NE-2A) on the Great Gulf Pony Pines Property.	2020-08-05	2020-09-18	Ben Davis
A/20/M/11	7584	6199 Tremaine (Pony Pines - Ultimate Channel) Road	Construction of the ultimate channel realignment of a tributary of Sixteen Mile Creek (Tributary I-NE-2A) and associated grading within the floodplain associated with a tributary of Sixteen Mile Creek (Tributary I-NE-2A) on the Great Gulf Pony Pines Property.	2020-08-05	2020-09-16	Ben Davis
A/20/M/35	7631	8161 & 8321 Britannia Road	Construction of SWM Pond (Pond S5a-3) outfall within Sixteen Mile Creek valley.	2020-10-15	2020-11-03	Ben Davis
A/20/M/40	7650	8625 Britannia Road	Installation of a temporary sediment pond and outlet, including habitat salvaging for wetland compensation, within 6 and 15 metres of the valley associated with Sixteen Mile Creek and within 30 metres of wetland greater than 2 hectares in size.	2020-10-02	2020-11-17	Ben Davis
A/20/M/41	7652	Oxford (Derry Green) - North Channel Diversion	Construction of the northern diversion channel associated with a tributary of Sixteen Mile Creek including grading within the floodplain.	2020-09-28	2020-11-19	Ben Davis
A/20/M/42	7664	Oxford (derry Green - South Channel Diversion)	Construction of the southern diversion channel associated with a tributary of Sixteen Mile Creek including grading within the floodplain.	2020-11-23	2020-12-10	Ben Davis
A/20/M/56	7592	Derry Green Business Park	Site alteration including the construction of temporary SWM ponds and outfalls within the floodplain associated with a tributary of Sixteen Mile Creek.	2020-08-17	2020-09-23	Ben Davis
A/20/M/58	7579	adj to 6199 Tremaine (Pony Pines) Road	Installation of 858 metres of NPS 8" pipeline associated with CARS#865268 located within the floodplain associated with a tributary of Sixteen Mile Creek.	2020-08-20	2020-09-15	Ben Davis
A/20/M/60	7660	6199 Tremaine (Pony Pines) Road	Construction of a temporary sediment basin and outlet to a tributary of Sixteen Mile Creek including grading within the floodplain.	2020-12-02	2020-12-04	Ben Davis
A/20/M/62	7591	5th Line (24T-15003/M)	Removal of accumulated fill requiring excavation and rehabilitation/restoration at the toe-of-slope within the realigned channel block associated with a tributary of Sixteen Mile Creek.	2020-09-30	2020-09-22	Ben Davis
A/20/M/63	7580	Peru (Adj to 108) Road	Relocation of an existing NPS 4" pipeline located within the floodplain associated with Sixteen Mile Creek.	2020-09-10	2020-09-15	Ben Davis
A/20/M/66	7607	400 Parkway Drive East	Addition to an existing covered patio located between 6 and 15 metres of the valley associated with Sixteen Mile Creek.	2020-09-22	2020-10-06	Ben Davis

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/M/67	7649	6712 Fifth Line	Installation of a driveway culvert and grading (mud mat) within the floodplain associated with Sixteen Mile Creek to allow access to the site for site alteration works.	2020-10-26	2020-11-10	Ben Davis
A/20/M/68	7598	12605 Sixth Line	Construction of a 10.36m x 8.51m attached garage located between 15 and 30 metres of a wetland greater than 2 hectares in size.	2020-09-29	2020-09-29	Ben Davis
A/20/M/73	7620	8693 First Nassagaweya Line	Construction of a 32ft x 40ft detached accessory building located between 6 and 15 metres of the floodplain associated with Bronte Creek.	2020-10-09	2020-10-23	Ben Davis
A/20/M/75	7625	10589 Sixth Line	Reconstruction of an existing detached accessory building located between 6 and 15 metres of the floodplain associated with Sixteen Mile Creek.	2020-10-20	2020-10-27	Ben Davis
A/20/M/78	7672	8674 Dublin Line	Installation of a Stormwater Management Pond Outfall within the floodplain associated with Sixteen Mile Creek.	2020-11-12	2020-12-15	Ben Davis
A/20/M/79	7633	11300 Amos Road	Septic tank replacement located within 30 metres of a wetland greater than 2 hectares in size.	2020-11-03	2020-11-03	Ben Davis
A/20/M/85	7983	8656 Esquesing Line	The installation of 1 ¼ NPS pipeline for a residential hookup located within the floodplain and valley associated with a tributary of Sixteen Mile Creek.	2020-12-10	2021-01-06	Ben Davis
A/20/M/86	7674	8656 Esquesing Line	Reconstruction of an existing detached dwelling including the construction of a rear deck and septic system replacement located between 6 and 15 metres of the valley associated with Sixteen Mile Creek.	2020-12-15	2020-12-15	Ben Davis
A/20/M/88	7682	117 Commercial Street	Construction of front covered porch located within the floodplain associated with Sixteen Mile Creek.	2020-12-21	2021-01-04	Ben Davis
A/20/M/55	Letter of Permission	10514 First Nassagaweya Line	Construction of a one storey detached dwelling with associated septic system, pool and gazebo, an addition to an existing accessory structure, and conversion of an existing dwelling to a barn, between 30 and 120 metres of a Provincially Significant Wetland.	2020-08-14	2020-09-08	Ben Davis
A/20/M/65	Letter of Permission	10120 Pineview Trail	Construction of a single family dwelling, detached garage and septic system located between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2020-09-14	2020-09-14	Ben Davis
A/20/M/76	Letter of Permission	11374 Guelph Line	Construction of addition to an existing detached accessory structure located between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2020-11-06	2020-11-16	Ben Davis
A/20/M/77	Letter of Permission	1191 Campbellville Road	Installation of a septic tank replacement located between 30 and 120 metres of a wetland greater than 2 hectares in size	2020-10-29	2020-10-30	Ben Davis
A/20/M/80	Letter of Permission	3106 Limestone Road	Construction of a 23.78 square metre covered pavilion located between 30 and 120 metres of wetland greater than 2 hectares in size.	2020-11-13	2020-11-19	Ben Davis
A/20/M/89	Letter of Permission	5455 Fifteenth Sideroad	Replacement of a septic tank located between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2020-12-23	2021-01-04	Ben Davis

Mississauga						
A/20/MS/05	7605	Black Walnut Trail & Derry	Expansion of an asphalt pathway, necessary to facilitate parking of a truck for maintenance purposes, within the floodplain and valley associated with a tributary of Sixteen Mile Creek.	2020-10-05	2020-10-06	Charles Priddle
A/20/MS/06	7606	0 Pintail Circle	Expansion of an asphalt pathway, necessary to facilitate parking of a truck for maintenance purposes, within the floodplain and valley associated with a tributary of Sixteen Mile Creek.	2020-10-05	2020-10-06	Charles Priddle

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
Oakville						
A/16/O/01	7676	0 William Halton Parkway	Construction of a new culvert (WH-6) crossing a tributary of Sixteen Mile Creek including a new watermain and grading within the floodplain. (PR2263G)	2020-11-27	2020-12-16	Matt Howatt
A/16/O/02	7677	0 William Halton Parkway	construction of a new structure crossing the main branch of Sixteen Mile Creek valley, two temporary bridges over the main branch of Sixteen Mile Creek, a new culvert (WH-2) crossing a tributary of Sixteen Mile Creek including a new watermain and grading within the floodplain. (PR2263E)	2020-11-25	2020-12-15	Matt Howatt
A/19/O/13	**REVISED** 7301	393 & 407 Dundas Street	**REVISED** - soil remediation (removal of contaminated soil and replacement with clean fill), creek realignment/reconstruction, grading, and landscaping within the flooding and erosion hazards and 7.5m allowance associated with Shannon's Creek (SHC-1)	2020-08-13	2020-09-04	Cassandra Connolly
A/20/B/68	7583	833 Falcon Boulevard	Construction of minor additions to an existing dwelling including a front addition with basement, a partial second storey addition, and a cantilevered rear bay window extending no further into the valley of Falcon Creek than existing development.	2020-06-22	2020-09-15	Cassandra Connolly
A/20/O/12	7665	1105 McCraney Street East	Grading and landscaping for the re-alignment of an existing pedestrian trail within 7.5 metres of the valley associated with Morrison Creek.	2020-12-03	2020-12-15	Colleen Bain
A/20/O/19	7586	Bress Phase II - SWM Outlet	Construction of the ultimate stormwater outfall, outfall channel, and stone core wetland within a tributary of Joshua's Creek (JC-32) connecting from SWM Pond 56, to service the Bressa Phase 2 Subdivision	2020-06-02	2020-09-17	Cassandra Connolly
A/20/O/38	7662	346-362 Lakeshore Road	Installation of a vegetated rock buttress along the shoreline slope and embedded below the cobble beach, as well as beach nourishment with boulder clusters, for the purposes of erosion protection for the natural bluff along the shoreline of Lake Ontario.	2020-12-08	2020-12-08	Charles Priddle
A/20/O/42	7562	0 0 Dundas (ROW in Front of 393 Dundas) Street	Construction of a watermain beneath a section of Shannon's Creek (SHC-1), and within the flooding and erosion hazards associated with that watercourse.	2020-08-13	2020-09-04	Cassandra Connolly
A/20/O/45	**REVISED** 7510	2552 Rivers Bend Lane	REVISED - Reconstruction and expansion of residence including accessory structures and a septic between 6 and 15 metres of the valley associated with Bronte Creek.	2020-12-09	2020-12-10	Charles Priddle
A/20/O/49	7610	0 Cross Avenue	Integrity dig within the valley associated with Sixteen Mile to inspect an existing pipeline.	2020-10-08	2020-10-09	Charles Priddle
A/20/O/55	7600	1 The Canadian Road	The re-establishment of a drainage swale located within the floodplain of Joshua's Creek requiring excavation and grading, and the installation of a culvert and outlet.	2020-09-30	2020-10-01	Charles Priddle
A/20/O/56	7570	1225 Baldwin Drive	The reconstruction and expansion of a residence between 6 metres and 7.5 metres of the floodplain associated with Lower Morrison Creek, and the construction of a patio and reconfiguration of a pool between 3 metres and 6 metres of the floodplain.	2020-09-09	2020-09-11	Charles Priddle
A/20/O/57	7569	96 Rancilfee Road	Proposed reconstruction and expansion of residence including covered porches between 6 and 15 metres of the valley associated with Sixteen Mile Creek.	2020-09-10	2020-09-11	Charles Priddle
A/20/O/58	7655	425 Cornwall Road	Relocation of a hydro pole within the floodplain and meander belt associated with Lower Morrison Creek.	2020-11-30	2020-11-30	Charles Priddle
A/20/O/60	7596	0 Bronte (S. of 688) Road	Integrity dig within 15 metres of the valley associated with Sixteen Mile to inspect an existing pipeline.	2020-09-25	2020-09-25	Charles Priddle

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/O/62	7593	114 King Street	Site improvement work including the replacement of a staircase, reconstruction of a terrace and construction of pathways between 6 and 15 metres of the valley associated with Sixteen Mile Creek.	2020-09-23	2020-09-24	Charles Priddle
A/20/O/63	7602	Loyalist Trail	The construction of a municipal pedestrian trail, including grading and landscaping, within 30m of a Provincially Significant Wetland (PSW).	2020-09-29	2020-10-02	Cassandra Connolly
A/20/O/64	7601	1260 Lakeview Drive	Second-storey addition to a residence which is currently shows as being located within 7.5 metres of the valley associated with the Morrison Wedgewood Diversion Channel.	2020-09-30	2020-10-01	Charles Priddle
A/20/O/65	7611	627 Lyons Lane	Proposed installation of 38mm conduits adjacent to the valley associated with Sixteen Mile Creek.	2020-10-05	2020-10-09	Charles Priddle
A/20/O/66	7612	10 Southwind Terrace	Proposed fire damage repair and restoration of the existing dwelling to pre-loss conditions, no closer to the shoreline than existing structures, with no increase in habitable space, within the erosion hazard associated with Lake Ontario.	2020-10-01	2020-10-13	Colleen Bain
A/20/O/67	7613	11 Southwind Terrace	Proposed fire damage repair and restoration of the existing dwelling to pre-loss conditions, no closer to the shoreline than existing structures, with no increase in habitable space, within the erosion hazard associated with Lake Ontario.	2020-10-01	2020-10-13	Colleen Bain
A/20/O/68	7614	12 Southwind Terrace	Proposed fire damage repair and restoration of the existing dwelling to pre-loss conditions, no closer to the shoreline than existing structures, with no increase in habitable space, within the erosion hazard associated with Lake Ontario.	2020-10-01	2020-10-13	Colleen Bain
A/20/O/69	*REVISED** 7616	2170 Lower Base Line	REVISED - Installation of ±40m of new NPS 1¼" natural gas pipeline and a 65m extension to an existing 4" NPS main pipeline, partially within the 15m regulatory allowance associated with the meander belt erosion hazard of Sixteen Mile Creek.	2020-10-05	2020-12-07	Cassandra Connolly
A/20/O/70	7618	14 Southwind Terrace	Fire damage repair and restoration of the existing dwelling to pre-loss conditions, no closer to the shoreline than existing structures, with no increase in habitable space, within the erosion hazard associated with Lake Ontario.	2020-10-20	2020-10-20	Colleen Bain
A/20/O/71	7628	754 Bronte Road	Grading and landscaping for a vegetated swale between 6 and 15 metres of the valley associated with Bronte Creek.	2020-10-20	2020-11-02	Colleen Bain
A/20/O/73	7657	4449 Regional 25 Road	Demolition of 2 existing modular buildings, construction of a proposed concrete building on existing concrete pad, parking lot revitalization, and resurfacing of existing site located between 30 and 120 metres of a Provincially Significant Wetland (PSW).	2020-11-06	2020-12-03	Matt Howatt
A/20/O/74	7654	9 West Street	Installation of approximately 65 metres of new NPS 1¼ inch natural gas pipeline within the erosion hazard associated with the shoreline of Lake Ontario.	2020-11-25	2020-11-26	Laura Head
A/20/O/78	7668	1401 Bronte Road	Construction of the trail systems including pedestrian bridges, restoration and landscaping for the Bronte Creek subdivision within the regulated areas associated with Fourteen Mile Creek.	2020-12-04	2020-12-11	Laura Head
A/20/O/80	7663	0 Dundas (@ 16 Mile Creek) Street	Construction of a rock embankment below the Dundas Street Bridge west abutment within the valley of Sixteen Mile Creek.	2020-12-07	2020-12-10	Matt Howatt
A/20/O/81	7678	3266 Shelburne Place	Reconstruction and expansion of a residence including porches, accessory structures and associated landscaping on a property that is partially contained within the erosion hazard associated with Lake Ontario.	2020-12-16	2020-12-16	Charles Priddle

CH File No.	Permit No.	Address	Proposed Works	Complete	Issued	CH Staff Member
A/20/P/03	Letter of Permission	10 Calfass Road	Construction of an addition and covered patio on a residential dwelling which is located between 30 meters and 120 metres of a Provincially Significant Wetland (PSW).	2020-09-09	2020-09-10	Charles Priddle
A/20/P/04	Letter of Permission	9 Settlers Court	Construction of an addition and covered patio on a residential dwelling which is located between 30 meters and 120 metres of a Provincially Significant Wetland.	2020-09-09	2020-09-10	Charles Priddle
A/20/P/05	Letter of Permission	7827 Wellington 36 Road	Construction of an approximately 110 square metre farm accessory building and septic bed between 30 meters and 120 metres of a Provincially Significant Wetland (PSW).	44148	44152	Charles Priddle

TO: Conservation Halton Board of Directors

MEMO: # CHBD 01 21 09

FROM: Hassaan Basit, President & CEO

DATE: February 18, 2021

SUBJECT: Glen Eden Closure and 2021 Parks Financial Projection

MEMO

Staff began developing an opening plan for Glen Eden with the provincial announcement on February 8th that business operations could open as soon as February 16. The Province wide shutdown that took effect on December 26, 2020 permitted all outdoor parks and recreation areas to remain open while ski hills were to be closed. For Conservation Halton, this required the cancellation of Kelso/Glen Eden ski programs during the shutdown which was not expected. Staff had been working in consultation with public health departments and invested significant efforts to ensure a safe experience could be provided for visitors to Glen Eden.

As a result of the Glen Eden closure, the decision was made to cancel the lesson programs for the season. The potential offering of private lessons is being reviewed as part of the opening plan. Over \$1.3 million in lesson refunds were issued in late December and January. Communications were sent to season pass holders in January regarding options for the passes they had purchased and the processing of refunds or deferring passes to next year is underway.

Over many years, Glen Eden has become a successful and significant program for Conservation Halton. Glen Eden is recognized as one of the larger ski operations in Ontario with a strong reputation for its learning centre. Glen Eden generates over \$6 million in revenues during its three-month season. The Kelso Glen Eden ski season also returns a large program surplus that offsets other park operating costs and the projected \$1.3 million Watershed Management and Support Services (WMSS) chargeback recovery for the corporate support services provided to the Parks. The support services chargeback was implemented with the objective of making Park recreation programs financially sustainable as outlined in Conservation Halton Budget Principles. This unprecedented extended closure of Glen Eden has highlighted the need for staff to consider further diversifying its park operations.

A financial projection was initially prepared for the Parks assuming a worst-case scenario with no Glen Eden ski season revenue, continued COVID impacts on education, maple and other program revenue and conservative estimates for operating expenses resulting in a potential \$2 million operating deficit. The financial projection was updated with the provincial announcement and staff have conservatively assumed a short Glen Eden season that has resulted in a reduction of the deficit to \$1.1 million:

Parks Operating Summary by Revenue & Expense Category					
		2021 Projected	2021 Budget	2020 Draft at Feb. 1/21	2020 Jan. to March
Revenue					
Glen Eden (Passes, Lifts, Lessons, Rentals, Retail, Race)	\$	1,500,000	\$ 6,649,000	\$ 6,248,788	\$ 6,264,623
Entry Fees		4,400,809	1,819,000	3,110,821	139,283
Program & Other		1,492,330	4,265,514	1,301,199	587,792
Annual Memberships		1,000,000	870,000	841,027	148,324
Municipal funding		240,000	240,000	240,000	-
		\$ 8,633,139	\$ 13,843,514	\$ 11,741,835	\$ 7,140,022
Expenses					
Staff Salaries & Benefits - Full time		2,492,117	3,221,645	2,564,458	726,508
Staff Salaries & Benefits - Part time		2,782,491	3,453,440	3,216,388	1,678,797
Materials & Supplies and Purchased Services		3,184,518	5,523,945	3,962,080	1,236,442
Chargeback -WMSS Support Services		1,331,800	1,393,200	926,900	265,741
		\$ 9,790,926	\$ 13,592,230	\$ 10,669,827	\$ 3,907,488
Parks Net operating surplus (deficit)		(1,157,787)	\$ 251,284	\$ 1,072,009	\$ 3,232,534

To mitigate the potential \$1.1 million Parks operating deficit for 2021 staff have implemented the following actions:

- Continuing to monitor expenses and reduce discretionary spending where possible.
- Considering ways to generate further revenue from other park offerings, Membership and Entry fees including recommending fee increases.
- Updating of Parks financial projections on a bi-monthly basis.
- Applying for grants such as the Canada Emergency Wage Subsidy (CEWS). Staff received an opinion from KPMG in late 2020 that Conservation Halton was eligible to apply for this subsidy. CEWS claims were submitted in January 2021 with further claims for 2020 to be submitted in February. The CEWS claims are subject to audit by Canada Revenue and appeals. These claims will be allocated to WMSS and Parks programs according to the program where the wages were incurred. The CEWS program is expected to continue to mid 2021.
- Considering a future request to the Board to approve a transfer from the Park Stabilization Reserve. This Reserve has a current balance of \$1 million prior to an allocation from the draft 2020 park operating surplus shown in the chart above that does not include CEWS funding.

At this point, it is not anticipated that there will be a direct impact on the Watershed Management and Support Service (WMSS) programs as a result of the shutdown. However, the ability of the Parks to sustain the full amount of the WMSS chargeback recovery of \$1.3 million in light of a projected Parks deficit may result in a future request for the transfer from the WMSS Stabilization Reserve balance of \$793,000 prior or allocation from the anticipated 2020 WMSS program operating surplus.

FOR QUESTIONS ON CONTENT:

Marnie Piggot, Director Finance, mpiggot@hrca.on.ca
(905-336-1158, ext. 2240)

TO: Conservation Halton Board of Directors

MEMO NO.: # CHBD 01 21 10

FROM: Hassaan Basit, President & CEO

DATE: February 18, 2021

SUBJECT: Update on Proclamation of Various Provisions of Conservation Authorities Act

MEMO

On February 2, 2021, specific provisions in the Conservation Authority Act (CAA) were proclaimed to initiate changes to conservation authority governance. As part of this memo, attached is a document provided by the Ministry of Environment, Conservation and Parks (MECP) titled “Implication of Proclamation of Various Provisions: Frequently Asked Questions” or (FAQ).

According to the communication received from MECP staff along with the FAQ, these changes are aimed to provide consistency in administration across all conservation authorities, increase transparency and financial accountability, as well as increased municipal and provincial oversight of conservation authority operations.

Specifically, the provisions proclaimed include:

- Government requirements (e.g., Non-derogation provision clarifying that nothing in the CAA is intended to affect constitutionally protected Aboriginal and treaty rights);
- Provisions related to conservation authority governance (e.g., changes to the conservation authority municipal membership);
- Minister’s powers (e.g., enabling the Minister to issue a binding directive to a conservation authority following an investigation); and
- Housekeeping amendments.

MECP staff are proposing that the remaining un-proclaimed provisions be proclaimed in two further stages over the coming months to align with the roll out of proposed regulations and policy. These include:

- i) Provisions related to natural hazard management, mandatory programs and services, community advisory boards, the agreements and transition period, and fees.
- ii) Provisions related to municipal levies, and standards and requirements for non-mandatory programs and services.

For Conservation Halton, three provisions of note are the following:

Board of Directors membership

The CAA provision proclaimed requirement that 70% of municipally appointed Board members be elected officials does not require immediate action. Current members of the Board of Directors will complete the duration of their current appointments. The Board approved in February 2019 a term end date for Board of Directors of December 31, 2022 or until a successor is appointed. This provision also allows a participating municipality to apply to the Minister MECP for an exception to the 70% elected official requirement.

Chair and Vice-Chair term limits and rotation amongst municipalities

Implementation of this provision will begin at the first meeting of the year following the February 2nd proclamation, meaning for Conservation Halton the February 18, 2021 Inaugural meeting. A participating municipality or conservation authority may apply to the Minister to request an exception to the Chair and Vice-Chair term limits and rotation amongst members by including the alternative proposed and the rationale for the request. Following the elections of the Chair and Vice Chair at the February 18th, 2021 Inaugural meeting, the Board of Directors may wish to apply for an exception to enable continuity of the current status quo or an alternate arrangement for Board Chair/V. Chair term limits and rotation of these positions between watershed municipalities beyond February 2022.

Municipal Member Agreements

The CA Act provisions passed requires conservation authorities to submit “municipal member agreements” to the Minister by April 3, 2021 that will be made public. Staff have confirmed with MECP staff that the “municipal member agreements” are only required if a conservation authority has deviated from the apportionment formula laid out in the CA Act in the past or plans to change the apportionment as it relates to municipal member appointments to the board in the future, at which point an agreement with all watershed municipalities will be required and must be submitted to the Minister. Conservation Halton has not deviated from that formula, therefore “municipal member agreements” do not appear to be necessary at this stage. The Conservation Halton Board of Directors approved by resolution at the February 28, 2019 Inaugural meeting the members appointed. Members appointed by municipalities are approved by a resolution of the Council of their respective Municipality.

Conservation Halton advises its participating municipalities on the numbers of members they are entitled to according to Section II of the CA Act. The numbers of members by municipality were approved by the Board of Directors in June 2018 based on the attached report to the Governance Committee. The number of Board members is based on the percentage of the municipality's population within the Conservation Halton watershed. The province provides to conservation authorities the municipal population percentage in the watershed along with annual municipal apportionment percentages. Based on the municipal percentages and population in 2018, Conservation Halton participating municipalities are entitled to members as follows:

Municipality	Percentage (%) of Municipality in CH watershed provided by MNRF (**Revised 2018)	Municipality Population per 2016 Census or 2018 *Forecast	Municipal Population within CH Watershed based on MNRF %	Number of Municipal Representatives per CA Act
Burlington	100%	183,314	183,314	4
Halton Hills	45%	61,161	27,522	2
Milton (*Forecast)	85%	121,754	103,491	4
Oakville	97%	193,832	188,017	4
Hamilton (**Revised)	14%	536,917	75,168	3
Mississauga	4%	721,599	28,864	2
Puslinch	15%	7,336	1,100	1
Total				20

FOR QUESTIONS ON CONTENT:

Hassaan Basit, President & CEO, hbasit@hrca.on.ca
Marnie Piggot, Director, Finance, mpiggot@hrca.on.ca

Implications of Proclamation of Various Provisions: Frequently Asked Questions

Implications of Proclamation of Various Provisions: Frequently Asked Questions

1. Do participating municipalities have to appoint new members to conservation authorities now in order to meet the 70% requirement?

Immediate action is not required on the part of conservation authorities or by municipalities related to the provision requiring 70% of municipally appointed members be elected officials.

Current members should complete the remaining duration of their appointments. As new members are appointed, participating municipalities should be appointing members in a way that complies with this new requirement.

A participating municipality may also apply to the Minister of the Environment, Conservation and Parks requesting an exception to this 70% requirement. The request should include the rationale for the request, and what proportion of members the municipality is proposing to be elected officials. Requests should be sent to minister.mecp@ontario.ca.

2. Does a conservation authority need to immediately initiate the term limits of chair/vice-chairs and rotate amongst participating municipalities?

Immediate action is not necessarily required. Implementation of this provision could begin at the first meeting held this year (following the proclamation date of February 2, 2021), or at such other meeting as may be specified by the authority's by-laws.

A participating municipality or conservation authority may also apply to the Minister of the Environment, Conservation and Parks requesting an exception to the term limit or rotation. The request should include the alternative approach being proposed, and the rationale for the request. Requests should be sent to minister.mecp@ontario.ca.

3. When should conservation authorities transition to the use of generally accepted accounting principles?

If not already the practice, conservation authorities will transition to the use of generally accepted accounting principles for local government and ensure that key conservation authority documents are made available to the public (i.e., minutes of authority or executive committee meetings, auditor reports) following proclamation of these provisions on February 2, 2021.

Implications of Proclamation of Various Provisions: Frequently Asked Questions

4. When do copies of municipal member agreements need to be sent to the Minister and made public?

Please submit any existing agreements (on the number of total conservation authority members and number of members per participating municipality in a conservation authority) to the Minister within 60 days of February 2, 2021 (i.e., by April 3, 2021).

If no such agreement is in place as of February 2, 2021, but such an agreement is entered into at a future date, please provide it to the Minister within 60 days of executing the agreement. These agreements should also be made available to the public through the conservation authority's website or other appropriate means within these same timelines.

5. Which provisions of the *Conservation Authorities Act (CAA)* are you proclaiming in this first phase?

Provisions in the CAA that come into effect February 2, 2021, as part of this first phase include:

Housekeeping Amendments

- Clarifying “Minister” means the Minister of the of the Environment, Conservation and Parks (rather than the Minister of the Natural Resources and Forestry) (Bill 108, 2019).
- Administrative change by striking out “of the Environment” from “Minister of the Environment” (in the section on CA dissolutions – clause 13.1(6)(c)) (Bill 108, 2019).
- Remove a legislative date (now stale) for a past transition period for conservation authorities (CAs) to up-date administrative by-laws (Bill 229, 2020).

Government Requirements

- Non-derogation provision to recognize existing Aboriginal or treaty rights (Bill 229, 2020).
- Enable the Minister to delegate his or her powers to an employee of the Ministry of the Environment, Conservation and Parks (Bill 229, 2020).

Governance

- Changes to the CA municipal membership provisions including requiring 70 per cent of municipally appointed members to be elected officials with provision for the Minister to permit less than 70 per cent on application by a participating municipality (Bill 229, 2020).
- Requiring copies of municipal member agreements on number of total CA members agreed upon and numbers per participating municipality in a CA agreed upon, to be made public and provided to the Minister (Bill 229, 2020).
- Removal of the regulation making authority regarding the composition of the CA (Bill 229, 2020).

Implications of Proclamation of Various Provisions: Frequently Asked Questions

- Minister's power to appoint a member from the agricultural sector with limitations added to the member's voting rights (Bill 229, 2020).
- Limiting the term of the chair/vice-chair and rotating of the chair/vice-chair among a CA's participating municipalities with provision for the Minister to permit an exception to these requirements upon application of the CA or participating municipality. If an exception is granted, this would allow a chair/vice-chair to hold office for more than one year or two terms, or a member to succeed an outgoing chair, vice-chair, appointed from the same participating municipality (Bill 229, 2020).
- Minor amendments to the 'powers of authorities': integrating the CA power to "cause research to be done" with the CA power to "study and investigate the watershed" in order to support the programs and services the CA delivers; to require consent of the occupant or owner of the land before a CA staff can enter the land for the purpose of a CA project (such as land surveying); and to remove the power of a CA to expropriate land (Bill 229, 2020).
- Require CAs to follow generally accepted accounting principles for local governments, make key documents (annual audit, meeting agendas and minutes and member agreements) available to the public (Bill 229, 2020).

Minister's Power

- Enable the Minister to issue a binding directive to a CA following an investigation (Bill 229, 2020).
- Enable the province, upon recommendation by the Minister, to appoint a temporary administrator to assume control of a CA's operations following an investigation or the issuance of a binding directive, if the directive is not followed. Immunity is provided for the administrator (Bill 229, 2020).

REPORT TO: Governance Committee

REPORT NO: # 05 18 02

FROM: Sheryl Ayres, Senior Director, Corporate & Strategic Initiatives
sayres@hrca.on.ca; 905-336-1158, ext. 2250

DATE: June 26, 2018

SUBJECT: Board of Directors Municipal Representation

Recommendation

THAT the Conservation Halton Board of Directors **approve the membership entitlement for all participating municipalities effective for 2019 be based on the updated population statistics provided in the report;**

THAT the CAO/Secretary Treasurer be **authorized to advise the City of Hamilton that they will be entitled to three members on the Conservation Halton Board of Directors based on the revised apportionment, subject to the results of the judicial review of the Mining and Lands Commissioner decision requested by the City of Hamilton and effective for the inaugural meeting after the judicial review results;**

AND further that the CAO/Secretary Treasurer be **authorized to advise the Town of Milton that they will be entitled to four members on the Conservation Halton Board of Directors based on the Town of Milton population in the report.**

Executive Summary

Based on the revised apportionment for the City of Hamilton for the 2018 Budget, Hamilton is entitled to three members on the Conservation Halton Board of Directors, which is one member more than the current number of Board of Director members of two. The Town of Milton would be entitled to four members according to the population included in the Town of Milton 2018 Budget Growth Forecast instead of the current three members. The total Board of Directors would be increased by two more members to a total of 20 members from the current 18 members. The number of representatives from other municipalities on the Board of Directors would remain the same.

Report

The Conservation Authorities (CA) Act Section 2 sets out the number of Representatives from municipalities within a Conservation Authority watershed for meetings. According to the CA Act, the Representatives appointed by the municipality have authority to vote and generally act on behalf of their respective municipalities at the meeting.

Section 2(2) states:

The council of each municipality may appoint representatives to attend the meeting in the following numbers:

1. Where the population is 1,000,000 or more seven representatives.
- 1.1 Where the population is 500,000 or more but less than 1,000,000 six representatives.
- 1.2 Where the population is 250,000 or more, five representatives.
2. Where the population is 100,000 or more but less than 250,000, four representatives.
3. Where the population is 50,000 or more but less than 100,000, three representatives.
4. Where the population is 10,000 or more but less than 50,000, two representatives.
5. Where the population is less than 10,000, one representative.

The population numbers provided in the Conservation Authorities Act above refer to the population of a municipality within a watershed.

The Ministry of Natural Resources and Forestry (MNRF) has provided the following percentages of the municipality's area within the Conservation Halton (CH) watershed in the following table:

Municipality	Percentage (%) of Municipality in CH watershed provided by MNRF (**Revised 2018)	Municipality Population per 2016 Census or 2018 *Forecast	Municipal Population within CH Watershed based on MNRF %	Number of Municipal Representatives per CA Act	Current Board of Directors Municipal Representatives	Increase
Burlington	100%	183,314	183,314	4	4	
Halton Hills	45%	61,161	27,522	2	2	
Milton (*Forecast)	85%	121,754	103,491	4	3	1
Oakville	97%	193,832	188,017	4	4	
Hamilton (**Revised)	14%	536,917	75,168	3	2	1
Mississauga	4%	721,599	28,864	2	2	
Puslinch	15%	7,336	1,100	1	1	
Total				20	18	2

The population estimates included in the table were obtained from the Statistics Canada 2016 Census data with the exception of the Town of Milton. Applying the percentage of area the municipality is within the Conservation Halton watershed to the total municipality population results in the population within the watershed.

The population provided in the 2016 Census data for the Town of Milton was 110,128. With 85% of the Town of Milton falling within the Conservation Halton watershed, a population of 117,650 would be needed to arrive at a population within the Conservation Halton watershed of over 100,000 and entitling Milton to four Board of Director members. The population included in the Town of Milton 2018 Budget Growth Forecast is 121,754 which would exceed the population required for an additional member. An increase in the number of members for the Town of Milton to four members is recommended based on the population forecast.

The current number of Board of Director members of two for the City of Hamilton was based on a historical arrangement that applied 4% rather than the actual 14% of the City of Hamilton that is in the

Conservation Halton watershed. As a result of the Mining and Lands Commissioner ruling that the understanding did not constitute an agreement, the 14% was applied to Hamilton's total Current Value Assessment to determine the revised apportionment percentage for Hamilton in the 2018 Budget. Applying the 14% area to Hamilton's population would entitle Hamilton to an additional member for a total of three members.

Impact on Strategic Goals

This report supports the Metamorphosis strategic theme of Striving for service excellence and efficiency.

Financial Impact

The financial impact of two additional members on the Board of Directors is estimated to cost less than \$1,000 based on the 2018 Budget amounts for per diems and mileage expenses. This amount can be accommodated within the 2019 Budget.

Signed & respectfully submitted:



Sheryl Ayres
Senior Director, Corporate & Strategic Initiatives

Approved for circulation:



Hassaan Basit
CAO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

Marnie Piggot, Director, Finance;
mpiggot@hrca.on.ca; 905-336-1158, ext. 2240

TO: Conservation Halton Board of Directors

MEMO: # CHBD 01 21 15

FROM: Barbara J. Veale, Director, Planning & Watershed Management

DATE: February 18, 2021

SUBJECT: Morrison Wedgewood Floodplain

MEMO

Floodplain Mapping Program & Morrison-Wedgewood Diversion Channel

- In 2018, Conservation Halton (CH) renewed its Floodplain Mapping Program. New technologies and tools allow for a more accurate depiction of a flood hazard, including spills. A spill occurs when floodwaters leave a watercourse and its valley, flowing overland before rejoining the same watercourse at a distance downstream or moving into another watershed.
- In 2019, CH hired Morrison Hershfield to undertake a study and update Flood Risk Mapping for the Morrison-Wedgewood Diversion Channel and its tributaries in Oakville.
- Opportunities for public input were provided at two Public Information Centres (PICs); one held at CH's Administrative Office on September 19, 2019 and the other held at Halton Region's Headquarters on March 5, 2020. These consultations followed Conservation Ontario's "*Procedures for Updating Section 28 Mapping: Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulations*".
- In Spring 2020, the Morrison-Wedgewood Diversion Channel study was completed. However, flood risk was identified along and south of the Diversion Channel. Modelling indicated the potential for three major spills. Updated floodplain mapping for the area was approved by CH's Board of Directors in June 2020 (CHBD 05 20 06). Flood lines were incorporated into CH's Approximate Regulation Limit (ARL) mapping and made public in November 2020.
- Morrison Hershfield was retained to undertake a Spill Mitigation Hydraulic Feasibility Assessment to evaluate and identify measures to fully mitigate these spills and to prepare a high-level, cost-benefit analysis.
- Through work on the Feasibility Assessment, as well as landowner feedback in January 2021, new information on the existing conditions was revealed. Staff concluded that further refinements to update the conditions model and mapping were warranted. Specifically, conditions along the QEW necessitated further analysis to recognize the potential for an overland spill outlet over the median barrier dividing the highway which may influence the nature and extent of the spill. Floodplain mapping is a dynamic, iterative process. Updates to the conditions model based on new information

is a continuous process and one of the reasons why floodplain mapping needs to be updated on a regular basis.

- A Change Order was issued on February 3, 2021 to enable Morrison Hershfield to refine the model and mapping. Given funding deadlines for the Feasibility Assessment, it was important to have the work completed expeditiously to inform recommendations.
- The study area for the model is being expanded to incorporate new information about existing conditions. The Change Order supports full documentation of model refinements and updated flood mapping for the spill areas (including flood extent, flood depth, flood velocity, and flood risk).
- This work may identify additional spill areas within the study area, but it may also pull some areas out. Depending on the magnitude of changes identified, further public consultation and Board approval may be required before CH's ARL mapping is updated.

Ontario Regulation 162/06 & Policy Implications

- Spills are flood hazards/hazard lands under the *Conservation Authorities Act* and *Ontario Regulation 162/06*. Not all regulated areas are mapped, but natural hazards, whether mapped or not, are regulated. In the past, the nature and extent of spills were difficult to determine. With new tools and technologies, spills can now be characterized and mapped.
- When hazards are identified and mapped through technical studies, they are incorporated into CH's Approximate Regulations Limit (ARL) mapping. CH's ARL mapping is a screening tool to determine if a site may contain natural hazards and is regulated by CH. This tool is available on CH's website and is used by CA staff, municipal staff, consultants, real estate agents, and the public.
- Permission is required from CH to develop in regulated areas. CH's Board-approved *Policies and Guidelines for the Administration of Ontario Regulation 162/06 and Land Use Planning Policy Document (2016)* outline the policies and technical requirements that must be met before permission may be granted.
- The spill policy contained in CH's Board-approved policies until April 2020, stated that spills are not subject to *Ontario Regulation 162/06*. The 2006 spill policy reflected the challenges associated with applying a regulation when spills could not easily be mapped (i.e., it was difficult to determine the limit of CH's regulated area). Today, new tools and technologies allow the definition of spill areas and the identification of associated hazard risks. CH has an obligation to make the public aware of and apply its regulation to ensure that risk to life or property damage from development is avoided.
- An interim policy was needed as a short-term measure to correct the statement that CH's regulation does not apply in spill hazards, as well as to enable CH's ARL maps to be updated to identify flood risk for the public. An interim policy acknowledging that spills are subject to *Ontario Regulation 162/06* and advising that permission is required for development in these areas was approved by the Board in April 2020 (CHBD 04 20 17). CH's interim spill policy states:

Development and redevelopment in spill areas will be considered on a case-by-case basis. Permission may only be granted where the site is subject to low risk and, where appropriate, mitigation measures can be implemented to reduce potential impacts to the satisfaction of Conservation Halton (e.g., flood proofing).

- CH's interim spill policy enables staff to assess and inform the public of the risk associated with developing in the spill (flood hazard) on a case-by-case basis while allowing for more time to develop and publicly consult on more robust policies that will address development within the spill flood hazards. Under the interim policy, staff work with applicants to assess the scale/scope of works that may be supported on a given site, as well as identify if there are any mitigation measures that could be implemented to reduce risk. If the risk is deemed low, there may be flexibility to grant permission for development proposals that might not otherwise meet CH's more restrictive floodplain policies.
- Under the current interim spill policy, any development proposed within an identified low-risk flood hazard would require technical studies to demonstrate that:
 - there is no increased risk to existing development,
 - the proposed development is not exposed to greater risk than existing development,
 - neighboring properties are not negatively impacted by the proposed development (i.e., flood conveyance is not impacted),
 - the building is floodproofed to the extent practical and feasible and there is no risk of structural failure due to potential flood hazards, and
 - access and egress within the flooding hazard will be equal or better than existing conditions.
- While these principles are not explicitly stated in the policy, they underpin the regulatory test contained in the *Conservation Authorities Act* and *Ontario Regulation 162/06* which directs conservation authorities to ensure that the "control of flooding" is not compromised when making decisions about development in flood hazard areas, which includes areas impacted by spills.
- There is currently no Provincial guidance or policy on how conservation authorities should deal with development proposals within spill areas.
- Despite following Conservation Ontario's Guidelines for public consultation, CH has received some criticism from landowners affected by new regulation mapping and the interim spill policy. Many houses in the Morrison-Wedgewood Diversion Channel area are redeveloping from small wartime houses to large, modern homes. Landowners are concerned that development potential may be limited. In addition, concern has been expressed that there has been limited opportunity to provide feedback and input on new mapping, policy development, and transition planning.

Next Steps

- As CH completes additional mapping under its renewed Floodplain Mapping Program, it is anticipated that more spill areas will be identified. Next steps for 2021:
 - Morrison-Hershfield will update the conditions model and mapping to refine the spill area. Morrison Hershfield will also undertake a Spill Mitigation Hydraulic Feasibility Assessment to

identify options to mitigate the spills and prepare a high-level cost-benefit analysis that can support future capital planning for CH or the Town.

- CH staff will apply the interim policy for applications received in spill areas, which allows for flexibility on a case-by-case basis, subject to the principles outlined above being met and while a new spill policy is developed and approved by the Board. The interim spill policy makes clear that CH, like all other CAs, regulates development in any flood hazard/hazardous lands, including spills. CH has an obligation to make the public aware of potential hazards and apply its regulation once hazards are identified.
- CH will continue to use the floodlines that were incorporated into CH's ARL mapping in November 2020, while the consultant Morrison-Hershfield undertakes refinements. CH's ARL mapping is a screening tool used by CH staff, municipal staff, and the public to determine if a site may contain natural hazards and may be regulated by CH. Refinements to the mapping may cause the mapping to be adjusted to a greater or lesser extent; however, now that a flood hazard has been identified CH is required to assess risks associated with development in the area.
- CH staff will prepare a report for the Board within the next 60 days, with recommendations for a work plan that will address a process/plan for:
 - Developing spill policies to replace the interim spill policy, including a public consultation plan, which will provide the public with greater certainty and transparency about development requirements for CH permissions in spill areas.
 - Undertaking public consultations for future mapping updates, as well as a mapping transition and implementation protocol associated with future draft mapping. The protocol will provide clarity on when draft floodlines can be brought into the ARL for screening purposes, when floodlines can be considered complete and when CH's regulatory policies apply.

REPORT TO: Conservation Halton Board of Directors

REPORT NO: # CHBD 01 21 11

REPORT FROM: Mark Vytvytskyy, Director, Park Operations

DATE: February 18, 2021

SUBJECT: 2021 Parks Fees and Cost Recovery

Recommendation

THAT the Conservation Halton Board of Directors **approves the 2021 Conservation Halton Parks Cost Recovery Fee Schedule.**

Executive Summary

This report proposes adjustments to the Fee Schedule for 2021 and beyond to ensure long-term sustainability of Conservation Halton (CH) parks.

The main driver for changes to the fee schedule is to achieve full cost recovery for the non-tax supported CH parks system. The proposed changes are intended to represent the growth and maturity of the Conservation Halton Parks system. Our goal is to enhance service offerings to meet the needs of a population growth that is estimated to add an additional 2 million users within our core service area over the next 25 years. At the same time, we want to ensure optimal asset utilization, balance growth with the environmental impacts of park operations, and support long term infrastructure needs through our asset management plans.

This report also supports Conservation Halton's renewed strategic Priority of "Nature and Parks: Grow network of parks and greenspaces to provide equitable access and unique experiences that connect people with nature and heritage.

Report

The purpose of this report is to outline the recommended fee changes for Conservation Halton parks for 2021 and beyond to enable full cost recovery. The proposed new fee structure would become effective on April 1st, 2021. The last update to the fee structure was approved in 2018.

CH offers a variety of leisure, recreation, and education programs and services through the provision of its eight Halton parks. Program fees are charged for the use of the parks and programs offered. CH has established a policy of recovering the full costs of providing parks services through the imposition of user fees. Conservation Halton Parks revenues (\$13.4M in 2020) come from self-generated revenues such as park admissions, annual membership, ski operation and other park programming.

Halton Region provides \$240,000 (2020) to help subsidize education programs for local school boards. These education programs are further subsidized by CH through park revenues.

While Conservation Halton Parks strive to keep the parks as affordable as possible, the parks face increasing operational and capital costs to maintain infrastructure and accommodate a growing population (table 1). Prior to proposing new fees, CH has undertaken a fulsome, multiyear review of its parks system to help inform strategies for sustainability. This review has included:

1. A detailed study of park program rates and fees by Watson & Associates Economists Ltd. (Watson)
2. Completion of a comprehensive asset management plan
3. 'Business Case' for investing by urbanMetrics
4. Upgrades to digital systems to capture more accurate visitation data
5. New e-commerce and park access systems to reduce crowding and visitor impact on the environment
6. Marketing and Visitor analysis to understand customer trends and demographics
7. A growth strategy to reduce financial exposure to Glen Eden revenues
8. Restructure within park operations towards a One Team One Vision approach
9. Launch of a cohesive parks landscape, building design strategy
10. Launch of long-term capital investment strategy to meet demands of population growth.

The proposed fees will align with Watson recommendation around Parks cost recovery model and Board approved Budget Principles. This increase will help with reducing the gap that was identified in the Watson Report conducted in 2018, that identified a significant gap in fees (\$2.1M) that did not allow CH to do a full cost recovery for services (table 2). In addition, the new proposed fee schedule will reduce the reliance on Glen Eden revenues in the long run.

Parks cost recovery model identifies three levels of services:

1. Basic services (biking, hiking, fishing etc.) which accomplish full cost recovery,
2. Enhanced park experiences which generate greater returns and encourage greater engagement (this includes educational programs at Crawford Lake and Mountsberg that are partially subsidized by the Region and park fees revenue) and
3. Premium level services that showcase the best that CH has to offer.

Under this model, entry fees and Annual Membership fees will cover basic level expenses such as maintenance and repairs to trails, washrooms, and turf as well as costs for staffing such as Visitor Service Representatives and Park Maintenance staff.

The model looked at the benefits filter where basic services represent the mainstay of CH parks and recreation offerings – **baseline full recovery** (hiking, biking, fishing etc.). Enhanced experiences are offered as part of parks experience offerings — **balanced partial recovery** (boat rental, challenge course, snowshoeing etc.); and the highest level represents premium level of services – **true profit center** (e.g., special events such as Christmas Town, Winterlit, Maple Town etc.) (Figure 1).

In reviewing potential fee changes for 2021, detailed analysis was performed to forecast scenarios for the future state of park visitations, membership sales and costs (operating and capital). A number of factors were considered including analysis of the previous year's rates, a review of visitation numbers,

comparison with other conservation areas and local area attractions, as well as feedback from our visitors and front-line staff. Current and projected future drivers of costs (minimum wage, growth, asset management) have also been reviewed to ensure that the proposed new fee structure will balance affordability with the long-term sustainability of CH parks.

Daily Entrance Fees

Prior to the COVID-19 pandemic, the 4-year average for annual entry fee revenues was \$1,934,438. Park entry fees were as follows (all fees exclude HST):

	Crawford/Mountsberg	All Other Parks
Adult	\$6.86	\$6.19
Senior	\$5.97	\$5.31
Child (5-14)	\$4.87	\$4.65
Child (Under 5)	Free	Free

At the start of the pandemic in early 2020, Conservation Halton offered a special reduced rate to ensure equitable access to CH parks for the community as we felt it offered our communities a safe, healthy option to get outside during the pandemic. We brought in an innovative capacity management and reservation system to ensure demand management and avoid crowding. Over the last 10 months we have seen a 40% increase in visitation and a 66% increase in revenues compared to the 4-year average.

	All Parks – 2020 Discount rate
Adult	\$5.75
Senior	\$4.42
Child (5-14)	\$4.42
Child (Under 5)	Free

Proposed new fees from April 1, 2021 will allow us to bring pricing to achieve cost recovery, stay competitive within the current market conditions, invest in enhancements to customer experience and risk management, and reduce impact on trail infrastructure by opening new trail systems and managing existing trails to appropriately accommodate growth. A regular practice of annual fees increases (2-5%) will be implemented to reflect inflation and other operational needs.

	All Parks – new proposed rates
Adult	\$9.50
Senior	\$7.50
Child (5-14)	\$6.50
Child (Under 4)	Free

The proposed entry fees structure will result in an estimated increase of approximately \$2,000,000 in annual revenue which will significantly reduce the gap identified in the Watson Report to ensure financial sustainability of park operations and capital infrastructure maintenance costs.

Annual Memberships

Conservation Halton's annual park membership continues to offer exceptional value and benefits to visitors, including unlimited admission to the parks. As the table below shows, our rates are amongst the lowest in the GTA. Even with the proposed increases, CH park annual membership costs will remain lower than our comparators. Our membership program is being updated to reflect the new operations of our Parks, mainly the reservation system, visitation time, and increased demand.

Average annual revenue from membership sales over the past 4 years is \$896,725.

	CH Current Fees	CVC/TRCA	Ontario Parks	RBG
Individual	\$54.87	\$84.75	\$85.00	\$85.00
Senior Individual	\$44.69	\$75.65	\$77.00	\$65.00
Family	\$119.91	\$152.55	\$175.00	\$165.00
Senior Family	\$100.00	\$144.65	\$163.00	\$130.00

The proposed new basic membership fees are:

	All Parks – new proposed fees
Individual	\$75
Senior Individual	\$60
Family	\$150
Senior Family	\$135

The proposed new membership fees will result in additional revenue of \$500,000 (approx.).

In addition to the basic membership, staff is creating and will implement additional membership options that will allow users to upgrade to an enhanced membership, offering all-in pricing for various customized special events and experiences.

Impact on Strategic Goals

This report supports the Metamorphosis strategic theme of Creating opportunities to connect with nature, attract visitors to our parks and connect our communities with nature through sustainable recreation, education, and tourism.

Financial Impact

The financial impact of the proposed changes will allow 100% cost recovery through entry fees and membership fees, reduce exposure of the non-tax supported park operations on Glen Eden, and allow for better management of park assets to respond to growth and other operational needs in a proactive manner. The anticipated increase of \$2.5M in annual revenues will enhance the sustainability of CH parks system while retaining a strong balance between financial and community needs and remaining competitive with other similar offerings.

Signed & respectfully submitted:



Mark Vytvytskyy
Director, Park Operations

Approved for circulation:



Hassaan Basit
CEO/Secretary-Treasurer

FOR QUESTIONS ON CONTENT:

Mark Vytvytskyy, Director, Park Operations
mvytytskyy@hrca.on.ca

APENDECIES:

Parks & Conservation Areas				
Description	% Increase (decrease) over 2020 Budget	2021 Budget	General increase	2020 Budget
SUMMARY				
REVENUES				
Conservation Lands	0.0%	935,000	-	935,000
Kelso/Glen Eden	-1.1%	9,294,250	(105,000)	9,399,250
Crawford Lake/Mountsberg/Robert Edmondson	-4.7%	1,923,000	(95,000)	2,018,000
Hilton Falls/Mount Nemo/Rattlesnake Point	8.4%	1,070,500	82,500	988,000
Outreach	0.0%	206,930	-	206,930
Other funding	-100.0%	-	(35,000)	35,000
Chargeback recoveries	14.1%	63,200	7,800	55,400
Municipal Funding - education		354,909	-	354,909
	-1.0%	13,847,789	(144,700)	13,992,489
EXPENSES				
Conservation Lands	49.8%	1,001,494	333,043	668,451
Vehicles	0.0%	104,390	-	104,390
Kelso/Glen Eden	1.7%	7,968,073	135,665	7,832,408
Crawford Lake/Mountsberg/Robert Edmondson	-2.0%	2,125,048	(43,911)	2,168,959
Hilton Falls/Mount Nemo/Rattlesnake Point	5.9%	777,998	43,367	734,631
Outreach	-5.5%	304,252	(17,587)	321,839
Chargeback		1,359,600	166,200	1,193,400
	4.7%	13,640,855	616,777	13,024,078
PROGRAM SURPLUS/(LOSS)	-78.6%	206,934	(761,477)	968,411

Table 1 – Budget Book – Parks and Conservation Areas

Table 3-2
Annual Parks Services Full Cost/Revenue Impacts

Category		Total Costs	Total Costs (Adjusted)	Revenue (2018 Fees, Average Utilization)	Cost Recovery %	Surplus/ (Deficit)
CRAWFORD LAKE/MOUNT SBERG/ROB ERT EDMONDSON	Daily Entrance/ Annual Pass	1,144,411	879,998	631,285	72%	(248,713)
	Educational Programs	1,269,270	1,472,806	514,868	35%	(957,938)
	Recreational Programs	263,362	300,058	248,397	83%	(51,662)
	Special Events	138,272	161,509	79,966	50%	(81,543)
	Film	135	1,041	3,891	374%	2,850
	Rentals	20,732	20,771	3,704	18%	(17,067)
	Retail (inc. food)	404,952	404,952	366,034	90%	(38,918)
	Miscellaneous			40,287		40,287
	Municipal Operating Levy (Education Subsidy)			192,354		192,354
	Subtotal	3,241,135	3,241,135	2,080,785	64%	(1,160,350)
HILTON FALLS/MOUNT NEMO/RATTLE SNAKE POINT	Daily Entrance/ Annual Pass	930,303	919,481	1,441,308	157%	521,827
	Educational Programs	-	-			-
	Recreational Programs	44,961	47,993	11,566	24%	(36,427)
	Special Events	22,112	22,424	6,003	27%	(16,421)
	Film	10,918	11,019	23,947	217%	12,928
	Rentals	235,349	242,725	95,031	39%	(147,694)
	Retail (inc. food)	17,237	17,237	16,342	95%	(895)
	Miscellaneous			2,575		2,575
	Subtotal	1,260,879	1,260,879	1,596,772	127%	335,893
KELSO/GLEN EDEN	Daily Entrance/ Annual Pass	6,765,971	6,639,182	4,678,824	70%	(1,960,358)
	Educational Programs	257,684	257,684	94,595	37%	(163,089)
	Recreational Programs	1,952,572	2,079,361	2,681,870	129%	602,509
	Special Events	285,949	285,949	63,050	22%	(222,899)
	Film	39,888	39,888	18,428	46%	(21,461)
	Rentals	293,328	293,328	993,166	339%	699,839
	Retail (inc. food)	949,206	949,206	633,684	67%	(315,522)
	Miscellaneous			47,058		47,058
	Subtotal	10,544,598	10,544,598	9,210,674	87%	(1,333,924)
Total		15,046,611	15,046,611	12,888,231	86%	(2,158,380)

Table 2 – Watson Report – Cost/Revenue Impact

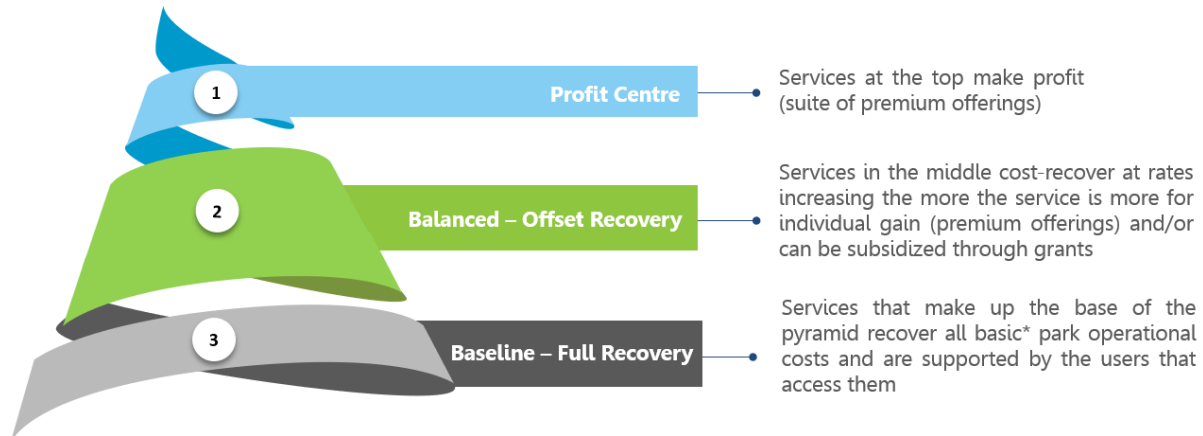


Figure 1: Cost Recovery Pyramid