BOARD OF DIRECTORS MEETING AGENDA

THURSDAY, APRIL 4, 2019

Vision A healthy watershed for everyone.

Mission To lead in the conservation of our watershed and connect people to nature.



Snowy Owl Fifty Point Conservation Area



A Healthy Watershed for Everyone

AGENDA FOR BOARD OF DIRECTORS MEETING

Thursday, April 4, 2019 at 7:00 p.m.

1. CALL TO ORDER

~ Fielding

2. DECLARATIONS OF CONFLICT OF INTEREST

- 3. APPROVAL OF AGENDA
- 4. DELEGATIONS
 - 4.1 Climate Change Presentation

~ Ian Graham

5. CONSENT ITEMS FOR APPLICATIONS, MINUTES, AND CORRESPONDENCE

- 5.1 Applications Development, Interference with Wetlands, Alterations to Shorelines and Watercourses
- 5.2 Approval of Board of Directors Minutes March 7, 2019

6. MEMBER BRIEFING

7. BUSINESS ARISING FROM THE MINUTES

8. OTHER CORRESPONDENCE

9. REPORTS FROM BUDGET & ADMINISTRATION COMMITTEE, CONSERVATION ADVISORY BOARD, AND THE FOUNDATION

9.1 Foundation Chairman's Report

10.OTHER STAFF REPORTS/MEMORANDUMS

- 10.1 Meeting Provincial Priorities for Reducing Regulatory Burden ~ Peck
- 10.2 Current Watershed Conditions as of March 21, 2019
- 10.3 Upcoming HCA and Partner Events

11.NEW BUSINESS

12. IN-CAMERA ITEMS FOR MATTERS OF LAW, PERSONNEL AND PROPERTY

~ Wauben

~ Peck

~ Costie

13. NEXT MEETING – Thursday, May 2, 2019 at 7:00 p.m.

14. ADJOURNMENT



A Healthy Watershed for Everyone

Memorandum

TO:Board of DirectorsFROM:Lisa Burnside, Chief Administrative OfficerRECOMMENDED BY:T. Scott Peck, MCIP, RPP, Deputy Chief Administrative
Officer/Director, Watershed Planning and EngineeringPREPARED BY:Darren Kenny, Watershed OfficerDATE:March 21, 2019RE:Summary Enforcement Report – Development, Interference with
Wetlands and Alterations to Shorelines and Watercourses

Wetlands and Alterations to Shorelines and Watercourses Regulation 161/06 Applications for April 4, 2019

HCA Regulation applications approved by staff between the dates of February 26, 2019 and March 21, 2019 are summarized in the following Summary Enforcement Report (SER-3/19).

RECOMMENDATION

THAT the Board of Directors receive this Summary Enforcement Report SER-3/19 as information.

HAMILTON REGION CONSERVATION AUTHORITY

DEVELOPMENT, INTERFERENCE WITH WETLANDS, AND ALTERATIONS TO SHORELINES AND WATERCOURSES APPLICATIONS

March 21, 2019

Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses Applications Report to the Board of Directors of the Hamilton Region Conservation Authority, April 04, 2019 The proposed works are subject to Ontario Regulation 161/06, and in particular Section 2, Subsection (1).

SUMMARY ENFORCEMENT REPORT SER 3/19

File Number	Date Received	Date Permit Issued	Review Days	Applicant Name	Location	Application Description	Recommendation / Conditions
F/F,C,A/18/104	27-Nov-18	26-Feb-19	15		Pt Lt 30, Con 4, Westover Rd Lot 30, Concession 4 Flamborough	Relocation of an existing cable at Bridge 385 by directional bore in a regulated area of Westover Creek.	Approved subject to standard conditions
SC/F,C,A/18/103	27-Nov-18	27-Feb-19	85		68 Seabreeze Cres Lot 9, Concession BF Stoney Creek	Construction of a new shoreline retaining wall in a regulated area of the Lake Ontario shoreline.	Approved subject to standard conditions
SC/F,C,A/18/94	29-Oct-18	27-Feb-19	92		70 Seabreeze Cres Lot 9, Concession BF Stoney Creek	Construction of a new shoreline retaining wall in a regulated area of the Lake Ontario shoreline.	Approved subject to standard conditions
SC/F,C,A/18/95	29-Oct-18	27-Feb-19	92		72 Seabreeze Cres Lot 9, Concession BF Stoney Creek	Construction of a new shoreline retaining wall in a regulated area of the Lake Ontario shoreline.	Approved subject to standard conditions
D/F,C/19/06	29-Jan-19	28-Feb-19	30		Pt Lt 17, Con 1, Baldwin St and Court St Lot 17, Concession 1 Dundas	Completion of road reconstruction, service installation and sidewalk construction (Contract No.'s C15-25-19 (HSW) and PW-08-00 (HSW)) in a regulated area of Lower Spencer Creek.	Approved subject to standard conditions
H/F,C,A/19/09	11-Feb-19	18-Mar-19	28		Pt Lt 29, Cons 6 and 7, Mud St W Lot 29, Concession 6, 7 Hamilton	Rehabilitation of Bridge 366 in a regulated area of Felker's Creek.	Approved subject to standard conditions

HAMILTON REGION CONSERVATION AUTHORITY

MINUTES

Board of Directors Meeting

March 7, 2019

Minutes of the Board of Directors meeting held on Thursday, March 7, 2019, at Woodend Auditorium, 838 Mineral Springs Road, Ancaster, Ontario at 7:00 p.m.

PRESENT: Susan Fielding, in the Chair Dan Bowman Brad Clark Chad Collins Brad Gautreau Santina Moccio Maria Topalovic

Ine Wauben, Foundation Chair

REGRETS: Lloyd Ferguson, Tom Jackson, Esther Pauls

STAFF PRESENT: Lisa Burnside, Jason Cornell, Grace Correia, Gord Costie, Matt Hall, Bruce Harschnitz, Judy Love, Neil McDougall, Scott Peck, Bob Saccomano, Jaime Tellier, and Nancy Watts - HCA Staff

OTHERS: Media – Not Present

1. CALL TO ORDER

The Chair called the meeting to order and welcomed everyone present.

2. DECLARATIONS OF CONFLICT OF INTEREST

The Chair asked members to declare any conflicts under the Board's Governance Policy. There was none.

3. APPROVAL OF AGENDA

The Chair requested any additions or deletions to the agenda. The Chair indicated that there will be a new item under 14.1 In Camera for a legal matter.

BD12,2615 MOVED BY: Maria Topalovic SECONDED BY: Santina Moccio

THAT the agenda be approved as amended.

CARRIED

4. DELEGATIONS

There was none.

5. CONSENT ITEMS

The following consent items were adopted:

- 5.1 Applications Development, Interference with Wetlands, Alterations to Shorelines and Watercourses
- 5.2 Approval of Board of Directors Minutes from February 7, 2019

6. MEMBER BRIEFING

There was none.

7. BUSINESS ARISING FROM THE MINUTES

There was none.

8. OTHER CORRESPONDENCE

There was none.

9. **REPORTS**

9.1 <u>Conservation Advisory Board (Minutes – February 14, 2019)</u>

Maria Topalovic presented the minutes of the Conservation Advisory Board meeting held on February 14, 2019.

<u>Resolution Number from Conservation Advisory Board Minutes – CA1903 –</u> 2019 Shuttle Bus – Spencer Gorge Conservation Area

Gord Costie provided a presentation and indicated that Christie Lake is the best option and setting to operate the shuttle bus service. This is top priority for staff and staff have made a commitment to work with the Ward Councillor.

BD12,2616 MOVED BY: Santina Moccio SECONDED BY: Maria Topalovic

THAT the Board of Directors approve the following recommendations:

THAT the shuttle bus service for the Spencer Gorge Conservation Area be continued in 2019 and become part of ongoing operations at Christie Lake Conservation Area on an annual basis; and

THAT the shuttle bus service operates on Saturdays, Sundays, Public Holiday Mondays and Canada Day between May and October weather pending; and further

THAT the Easter weekend be considered by staff for potential shuttle operations based on weather conditions or other factors as determined.

CARRIED

Resolution Number from Conservation Advisory Board Minutes – CA1904 – HCA Conservation Area Vehicle Parking Review

Scott Peck provided a presentation and indicated that it is very important to undertake a detailed analysis and assessment of parking and associated access to our conservation areas. A detailed report will provide potential recommendations for parking strategies and a report will be brought back to the Board of Directors by the end of this year.

BD12,2617 MOVED BY: Brad Gautreau SECONDED BY: Dan Bowman

THAT the Board of Directors approve the following recommendations:

THAT HCA staff be directed to undertake the parking inventory as detailed in the report titled "HCA Conservation Area Vehicle Parking Review", dated February 1, 2019.

CARRIED

<u>Resolution Number from Conservation Advisory Board Minutes – CA1905 –</u> <u>HCA 10 Year Masterplan Update Strategy</u>

Matt Hall provided a presentation and indicated Masterplans provide a long-term vision for our conservation and managed areas as well as direction for guiding the management of the property.

BD12,2618 MOVED BY: Santina Moccio SECONDED BY: Maria Topalovic

THAT the Board of Directors approve the following recommendations:

THAT the HCA Ten Year Masterplan Update Strategy be approved.

CARRIED

<u>Resolution Number from Conservation Advisory Board Minutes – CA1906 –</u> 2018 Westfield Heritage Village Artifact Donation Acquisition Report

BD12,2619 MOVED BY: Maria Topalovic SECONDED BY: Dan Bowman

THAT the Board of Directors approve the following recommendations:

THAT the Westfield Heritage Village 2018 Artifact Acquisitions and Deaccession List be accepted as the artifacts added to, or removed from, the Westfield Heritage Village and the Hamilton Conservation Authority collection.

CARRIED

<u>Resolution Number from Conservation Advisory Board Minutes – CA1907 –</u> <u>Seed Mixes Suitable for HCA Watershed</u>

Scott Peck provided a presentation and indicated that the development of a guideline document available to developers and property holders will promote consistency in species planted and assist staff when reviewing planting plans associated with development/infrastructure and restoration projects carried out by external and private landowners.

BD12,2620MOVED BY:Maria TopalovicSECONDED BY:Santina Moccio

THAT the Board of Directors approve the following recommendations:

THAT the Seed Mix Guidelines for the HCA Watershed be approved.

CARRIED

Motion to Receive the Minutes

BD12,2621MOVED BY:Maria TopalovicSECONDED BY:Santina Moccio

THAT the minutes of the Conservation Advisory Board meeting held on February 14, 2019 be approved as amended.

CARRIED

Dan Bowman indicated that Morgan Pirie, CAB Member, has reached his maximum 12 year term and has retired from the Conservation Advisory Board. Morgan was a wonderful asset to the Committee. He contributed to the Committee with much enthusiasm and he will be missed.

9.1 Foundation Chairman's Report

Ine Wauben reported on the following:

We received a total of \$52,851 in donations in February. They break down as follows:

- \$50,000 for the Saltfleet Conservation Area Wetland Project
- \$1,392 in plant material and planting supplies for Canal Park
- \$693 to be used as needed

• The remaining \$766 came in donations for Land Securement, Westfield Heritage Village, and Outdoor Environmental Education

The Foundation will be undergoing a Strategic Planning process in April to set its course for the next few years and to align with HCA's new strategic plan. In addition, a recent focus on the recruitment of new Board members will provide opportunities for new prospect development and new ideas for fundraising activities.

Dan Bowman asked if the Board members or staff would be invited to attend the Strategic Planning process. Ine indicated that Lisa Burnside and Scott Peck will be in attendance.

10. OTHER STAFF REPORTS/MEMORANDUMS

10.1 Current Watershed Conditions as of February 25, 2019

Scott Peck indicated water levels and flow are currently slightly elevated, but no responses are required concerning significant watercourse flooding. Lake Ontario shoreline erosion/flooding, or watershed drought.

10.2 Upcoming HCA and Partner Events

Gord Costie provided an update of the upcoming events that are included in the agenda package.

11. NEW BUSINESS

11.1 Staff Changes

Susan Fielding and Lisa Burnside congratulated Judy Love on her upcoming retirement. Both indicated the great appreciation the Board and staff have for Judy's tireless work ethic and positive disposition.

Lisa introduced and welcomed Jaime Tellier as the incoming Executive Assistant and the Board wishes her well.

12. IN-CAMERA ITEMS FOR MATTERS OF LAW, PERSONNEL AND PROPERTY

There were no in-camera items.

13. NEXT MEETING

The next meeting of the Board of Directors will be held on Thursday, April 4, 2019 at 7:00 p.m. at Woodend Auditorium, 838 Mineral Springs Road, Ancaster, Ontario.

14. ADJOURNMENT

On motion, the meeting adjourned.

Neil McDougall Secretary-Treasurer



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A Healthy Watershed for Everyone

Report

TO:	Board of Directors
FROM:	Lisa Burnside, Chief Administrative Officer (CAO)
RECOMMENDED & PREPARED BY:	T. Scott Peck, MCIP, RPP, Deputy CAO/Director, Watershed Planning & Engineering
DATE:	March 25, 2019
RE:	Meeting Provincial Priorities for Reducing Regulatory Burden

STAFF RECOMMENDATION

THAT HCA staff recommends to the Board of Directors the following:

WHEREAS the provincial government intends to increase the supply of housing and streamline the land use planning and development approval process to achieve this goal; and

WHEREAS the Conservation Authorities play an important role in the planning and development review process with respect to watershed protection and hazard lands; and

WHEREAS Conservation Authorities support and can help deliver the Government's objective not to jeopardize public health and safety or the environment;

THEREFORE BE IT RESOLVED THAT the Board of Directors endorse the three key solutions developed by the Conservation Ontario working group: to improve client service and accountability; increase speed of approvals; and, reduce "red tape" and regulatory burden; and

THAT staff be directed to work with Conservation Ontario and HCA clients to identify additional improvements; and further

THAT staff be directed to implement these solutions as soon as possible.

BACKGROUND

Conservation Ontario has prepared the original outline of this report and the associated recommendation and has requested that the Board of Directors for each Conservation Authority consider the report as presented and approve the recommended resolution. The approved resolution would then be forwarded back to Conservation Ontario for their information and use in further discussions with the Provincial Government. The purpose of this report is to seek endorsement of the Board of Directors of the Hamilton Conservation Authority for staff to pursue streamlining and client service measures to contribute to provincial priorities for housing supply.

In June of 2018 a new government was elected and moved quickly to implement the *Plan for the People* platform which included promises to:

- "Cut red tape and stifling regulations that are crippling job creation and growth, and
- ...single-window access for approvals with a hard one-year deadline"

Since that time the government has introduced a number of consultations, draft proposals and proposed amendments to legislation in support of their agenda.

Made in Ontario Environment Plan

The Ministry of Environment, Conservation and Parks released the *Preserving and Protecting our Environment for Future Generations: A Made-in-Ontario Environment Plan (2018)* that affirmed support for conservation and environmental planning and specifically mentioned that they would:

• "work in collaboration with municipalities and stakeholders to ensure that conservation authorities focus and deliver on their core mandate of protecting people and property from flooding and other natural hazards and conserving natural resources".

Housing Supply Action Plan

The Ministry of Municipal Affairs and Housing has initiated consultations on a *Housing Supply Action Plan* with the purpose to increase supply and streamline the development approval process. The Ministry is also reviewing the *Planning Act* and the *Provincial Policy Statement* to ensure that the land use planning and development approvals process is aligned with their goal.

Concerns About CAs

Conservation authorities (CAs) in Ontario are part of the planning and development approvals process as we implement our mandate. Concerns have been expressed that conservation authorities "need to stick to their mandate" and that they present a "significant barrier" to timely development approvals. Many of these concerns arise in the Greater Toronto Area where land development is complex, and demands are high, however, it is also very relevant to other areas in the province where development is occurring. HCA staff acknowledge these issues on a Provincial and Regional Scale, but note that our experience locally is positive in the form of good relationships with municipal staff and the development sector, planning agreements in place, public fee schedules and staff training and engagement.

CAs have acknowledged that we can always improve our processes and relationships with the many stakeholders that we interact with. In 2007 Conservation Ontario and CAs participated with the Ontario Home Builders Association (OHBA) and the Building Industry and Land Development Association (BILD) along with municipalities, the province and other stakeholders as members of the Conservation Authority Liaison Committee (CALC). In 2010, the Ministry of Natural Resources and Forestry (MNRF) and Ministry of Municipal Affairs and Housing (MMAH) approved the *Policies and Procedures for Conservation Authority Plan Review and Permitting Activities* that would form part of MNRF's Policies and Procedures Manual. Conservation Ontario provided training in 2012 and 2014 to assist CAs in implementing the best practices laid out in this document. Each CA was encouraged to prepare publicly available policies and procedures to ensure transparency and outline expectations to stakeholders including review and permitting timelines and fees. All of HCA's policies, guidelines and mapping are available to our watershed residents and businesses and staff work to adhere to the review and permitting timelines as determined through the CALC process.

It is imperative that conservation authorities engage in the conversation about our very important role in land use planning and development approvals as well as helping the new government understand our mandate and the relationships we have with our municipalities.

CONSERVATION ONTARIO ANALYSIS

Conservation Ontario (CO) retained Strategy Corp to provide insights and advice on working with the new government. Through this process a number of General Managers volunteered to establish a small CO working group to work with CO to identify recommendations for solutions that will address the issues identified by the government around the housing supply while still protecting natural hazards management and plan review activities required to protect the health and safety of Ontario's watersheds and residents.

Conservation Authority Mandate

The CO working group discussed clarifying and restating our mandate as supported by the recent update to the *Conservation Authorities Act (2017)* and as described in the province's *Made in Ontario Environment Plan:*

"The core mandate of conservation authorities is to undertake watershed-based programs to protect people and property from flooding and other natural hazards, and to conserve natural resources for economic, social and environmental benefits".

This has always been the purpose of CAs and now, more than ever, it is necessary to have organizations like this on the ground and being able to work at the right scale to protect and manage natural resources. Our monitoring, identification of issues and appropriate mitigation measures, helps our communities to be able to respond to natural hazard challenges and natural heritage conservation while addressing climate change and increasing resiliency. Further, as the federal and provincial governments restrict their activities more to policy related activities there is a gap in capacity to address local environmental issues.

The following excerpt from a Conservation Ontario briefing note to the province identifies that:

"Conservation authorities are a cost-effective mechanism for the Province and municipalities for the delivery of objectives under the Provincial Policy Statement (PPS)

- In addition to acting as a commenting agency on behalf of the Province with regard to natural hazards, conservation authorities also act as regulators. Additionally, conservation authorities act as technical advisors for municipalities in the review of planning applications, and, as source protection authorities under the Clean Water Act supporting policy implementation.
- Conservation authorities ensure that applicants and municipal planning authorities are aware of regulations and requirements as well as assist in the coordination of applications under the Planning Act and the Conservation Authorities Act. The focus is to eliminate unnecessary delay or duplication in the process as it relates to protecting public health and safety from natural hazards, now and into the future.
- Conservation authorities, through the provision of advice from watershed-based science, enable municipalities to cost effectively consider in their decision-making other PPS considerations such as 'wise use and management of resources' and stormwater."

Streamlining Conservation Authority Activities

The CO working group has been evaluating ways that CAs can streamline approval activities and "reduce red tape" in order to help the province address the lack of housing supply. It is recognized that we need to identify the outcomes that the province and our municipalities need and review and modify our processes to ensure the best solutions.

The CO working group developed the following three key solutions that we will work on with the development and construction community and municipalities. Through these activities we will also identify any other specific concerns to be addressed.

- 1. Improve Client Service and Accountability
 - Provide client service training and establish client service standards implementing activities such as one point of contact for applications, and template guidelines for policies, processes, and, CA/Municipal MOUs that have clear deadlines for the different plan review services.
 - Our commitment to timely approvals will be reported on annually.
 - Initially, focus efforts on conservation authorities with high growth areas (GGHG/GTA and other parts of the province) where housing supply is needed immediately.
- 2. Increase speed of approvals
 - Assess current application review/approval timelines, identifying problem areas where timelines are not being met and developing solutions to meet timelines.
 - Establish timelines that match the complexity of development applications (e.g. simple and complete applications can be processed more quickly).
- 3. Reduce "red tape" and regulatory burden
 - Examine where conservation authorities can improve or change our processes to speed up or simplify permitting in hazard areas.
 - Explore additional legislative or regulatory amendments to achieve increased housing supply and decreased approval timeframes.

Work Underway Among CAs

Some of these activities have already been started with the CO Section 28 Regulations Committee meeting over the past six months to identify potential streamlining options that can be implemented immediately.

HCA STAFF COMMENT

HCA has already worked with our watershed municipalities, residents and businesses over the past number of years to improve service and efficiency by:

- streamlining our planning and regulatory approaches
- providing regulatory mapping on-line through HCA website
- ensuring policies and guidelines are readily available and understandable

- updating fee schedule annually, and circulating to stakeholders and available on HCA website
- promoting pre-consultation and ensuring quick response times
- providing single point of contact

HCA is committed to ensuring that its mandate is delivered while working with clients efficiently and effectively. In the pursuit of continual improvement for organizational excellence, HCA intends to embrace the key actions identified by the CO working group and continue to implement a streamlined approach and to develop new additional actions based on internal discussions. Any changes or enhancements to our processes regarding planning and permitting will be communicated with our stakeholders to ensure a continued co-operative and streamlined approach.

STRATEGIC PLAN LINKAGE

The initiative refers directly to the HCA Strategic Plan 2019 - 2023:

- Strategic Priority Area Organizational Excellence
 - Initiatives Continue to update and streamline operational policies and leverage technology to enhance business service delivery
 - o Communicate both internally and externally about what HCA does and why.

AGENCY COMMENTS

N/A

LEGAL/FINANCIAL IMPLICATIONS

There is no financial impact to the Hamilton Conservation Authority for this project.

CONCLUSIONS

The province is seeking to streamline planning and development approvals to facilitate the housing supply. CAs have a role to play in examining our processes for plan review and permitting and Hamilton Conservation Authority is committed to continuous improvement. This report outlines three areas for immediate action that we are seeking board endorsement to implement as part of our ongoing commitment to streamlining our planning and regulatory processes.



A Healthy Watershed for Everyone

Memorandum

TO:	Board of Directors
FROM:	Lisa Burnside, Chief Administrative Officer (CAO)
RECOMMENDED BY:	T. Scott Peck, MCIP, RPP, Deputy Chief Administrative Officer / Director, Watershed Planning & Engineering
PREPARED BY:	Jonathan Bastien, Water Resources Engineering
DATE:	March 21, 2019
RE:	Current Watershed Conditions as of March 21, 2019

CURRENT WATERSHED CONDITIONS – March 21, 2019

Current Water Levels in Major Area Watercourses

Water levels and flows are elevated in Spencer Creek and there are public safety concerns associated with the elevated water levels, faster moving water, unsafe ice, and slippery banks. Also, localized watercourse flooding of low-lying areas that typically flood during higher water levels may be occurring, particularly in Upper Spencer Creek areas. However, no significant watercourse flooding has been reported, observed, or expected. These watercourse conditions are the remnant effects of recent snowmelt and rain runoff. There is an active Watershed Conditions Statement Water Safety message communicating these concerns to the City and public. HCA engineering staff continue to closely monitored conditions.

Water levels and flows are currently near baseflows to slightly elevated in Ancaster Creek at Wilson Street, Redhill Creek at Barton Street, and Stoney Creek at Queenston Road, with no concerns regarding watercourse flooding or significant public safety.

Current Lake Ontario Water Levels

Currently, Lake Ontario is about 25 cm above average water levels for this time of year. The Lake Ontario mean daily water level is currently approximately 75.00 m IGLD85.

Current Storages in HCA Reservoirs

Based on current reservoir levels at Christie Lake Dam (approximately 767.2 ft), the reservoir is presently above the typical winter operating level range (765 to 766 ft), and is

at about 30 percent of its preferred maximum (summer) storage capacity (corresponding to a water level of 773 ft).

Based on current reservoir levels at Valens Dam (274.70 m), the reservoir is presently above the typical winter operating level range (274.15 - 274.30 m), and is at about 65 percent of its preferred maximum (summer) storage capacity (corresponding to a water level of 275.5 m).

Reservoir levels are elevated as a result of storage of runoff from the recent snowmelt and rain, however reservoir levels are expected to decline to typical winter operating levels over the coming days.

Current Soil Conditions

Soil moisture in the surface and root-zone soils are expected to be moist, and fully to mostly unfrozen.

RECENT STORM EVENTS

During the period of mid-February to now, there were no significant watercourse flooding or Lake Ontario Shoreline erosion / flooding events. However, one storm event warranted issuing flood messages and close monitoring of conditions.

Watercourse Flooding

March 14th - Currently

Melting of the remaining snowpack occurred during the period between March 13th to 15th. In addition, a total of approximately 10 mm of rain was received across the watershed on March 14th to 15th.

This snowmelt resulted in public safety concerns due to the elevated water levels, faster moving water, unsafe ice, and slippery banks, with the maximum water levels occurring on March 15th and 16th. In addition, there was also observed localized flooding of low-lying areas that typically flood during higher water levels, including natural floodplain, portions of farmed fields, and wooded areas (particularly in Upper and Middle Spencer Creek).

However, there were no reports, observations, or expectations, of widespread or significant localized watercourse flooding.

Throughout this snowmelt event, Lower Spencer Creek flows and flow durations were typical for annual spring freshet events.

During the storm, the Christie Lake Dam discharge was reduced to increase flood storage and decrease flows and water levels downstream.

Prior, during, and after this storm event, HCA engineering staff closely monitored conditions, undertook site monitoring (on March 15th at or near the peak water levels

and flows that occurred during the event), and issued the following messages to communicate the potential watercourse flooding conditions to the City and public:

- Watershed Conditions Statement (Water Safety) on March 12th
- Flood Watch on March 15th
- Watershed Conditions Statement (Water Safety) on March 18th

RECENT PRECIPITATION SUMMARY

The total precipitation amounts received in the HCA watershed over the last few months are average, and do not indicate drought conditions.

FORECASTED WATERSHED CONDITIONS

Watercourse Flooding

The currently elevated water levels and flows in Spencer Creek are expected to continue to decline towards typical levels over the coming days.

There are currently no significant rainfall events (+20 mm in a day) anticipated for the watershed over the next 2 weeks.

Lake Ontario Shoreline Erosion / Flooding

There are currently no significant Lake Ontario Shoreline erosion / flooding events anticipated within the watershed over the next 2 weeks.

According to International Lake Ontario – St. Lawrence River Board weekly briefing information, Lake Ontario water levels are expected to remain above seasonal average values through the spring unless exceedingly dry conditions return.

SYNOPSIS

As of March 21st, 2019, HCA engineering staff continue to closely monitored watercourse conditions with regards to the ongoing elevated water levels and public safety concerns in Spencer Creek, but there are no significant responses required concerning significant watercourse flooding, Lake Ontario shoreline erosion / flooding, or watershed drought.



A Healthy Watershed for Everyone

Upcoming 2019 HCA & Partner Events

Good Friday April 19, 12:30 – 4:00 pm Westfield Heritage Village 1049 Kirkwall Road, Rockton, ON LOR 1X0

Enjoy traditional spring-themed games, crafts, activities and demonstrations. Visit the many historical buildings with volunteers in period clothing and enjoy a hike on the trails. The General Store and the Gift Shop have sweet treats and unique gifts. For more information visit <u>www.westfieldheritage.ca</u>

Easter Weekend Camping

April 19 - 22

Valens Lake Conservation Area

1691 Regional Road 97 (R.R.#6), Flamborough, Ontario N1R 5S7

Reserve your campsite to avoid missing out on this busy weekend. For more information, please call Valens Lake at 905-525-2183 or email valens@conservationhamilton.ca

Paris to Ancaster Bike Race

April 28

Dundas Valley Conservation Area

Paris to Ancaster Bike Race has taken place for the past twenty-four years over the roughest farm lanes, trails and gravel roads. Combined with unpredictable spring weather and the largest field of riders assembled in Canada, it has become a classic race experience from average riders to Canadian Olympians. Join us on April 28th to become part of the history of this unique race – <u>www.parisancaster.com</u>. Note: sections west of Martin's Road in the Dundas Valley Conservation Area will experience high volume of bike traffic. All hiking trails will remain open to park users.

Doors Open

May 5, 12:30 – 4:00 pm Westfield Heritage Village 1049 Kirkwall Road, Rockton, ON L0R 1X0

If you have never been to Westfield Heritage Village here is your chance to check it out and see what all the excitement is about. Free admission today as part of the City of Hamilton's Doors Open. For more information visit <u>www.westfieldheritage.ca</u>

Victoria Day Camping May 17 - 20 Valens Lake Conservation Area 1691 Regional Road 97 (R.R.#6), Flamborough, Ontario N1R 5S7 Reserve your campsite to avoid missing out on this busy weekend. For more information, please call Valens Lake at 905-525-2183 or email valens@conservationhamilton.ca

Victoria Day May 20, 12:30 – 4:00 pm Westfield Heritage Village 1049 Kirkwall Road, Rockton, ON LOR 1X0

Explore the village and discover what life was like in Victorian Canada. Visit the many historical buildings with volunteers in period clothing and enjoy a hike on the trails. The General Store and the Gift Shop have sweet treats and unique gifts. For more information visit <u>www.westfieldheritage.ca</u>