



COMMUNICATION UPDATE

TO:	Mayor and Members City Council
DATE:	August 12, 2021
SUBJECT:	Chedoke Creek Order – Chedoke Creek Workplan - 60% Targeted Dredge Design - HW.21.04
WARD(S) AFFECTED:	City Wide
SUBMITTED BY:	Cari Vanderperk Director, Watershed Management Public Works Department
SIGNATURE:	

The City of Hamilton (City) is required, under Director's Order No. 1-PE3L3 by the Ministry of the Environment, Conservation and Parks (MECP) for the Chedoke Creek discharge, to consult with relevant stakeholders by soliciting feedback and comments on the proposed remedial workplan.

Wood Environment and Infrastructure Solutions (Wood) has completed the draft 60% targeted dredge design package which involved establishing the targeted dredge footprint over an extent of Chedoke Creek and the Princess Point Embayment to remove nutrients contained within the sediments.

Wood collected bathymetric and sediment core data from Chedoke Creek and the Princess Point Embayment in April 2021 to characterize current sediment conditions and estimate the available in-situ total phosphorus (TP) and total Kjeldahl nitrogen (TKN) mass in the affected area. The potential mass removal from the dredge footprint scenario is illustrated in the draft 60% targeted dredge design package which also provides a summary of the methodology and rationale for establishing the preliminary dredge footprint and target dredge elevations within Chedoke Creek and the Princess Point Embayment.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

Stakeholder engagement will continue through the month of August with discussions, meetings and feedback on the draft 60% targeted dredge design package with key stakeholders and agencies including, but not limited to:

- Royal Botanical Gardens (RBG)
- Hamilton Harbour Remedial Action Plan (HH RAP)
- Hamilton Conservation Authority (HCA)
- Conservation Halton (CH)
- Fisheries and Oceans Canada (DFO)
- Environment and Climate Change Canada (ECCC)
- Bay Area Restoration Council (BARC)
- Ministry of Transportation (MTO)
- Environment Hamilton (EH)
- Redeemer University
- McMaster University

The next steps will include the advancement of the design process (90/100%) that will allow for further refinement of target dredge areas that may need to be excluded or added depending on the feedback from the various internal and external stakeholders. In addition, it is during these stages that the local community will be engaged while developing plans for trucking routes and odour control technologies.

As a reminder, MECP approval of both the Chedoke Creek Workplan and the Cootes Paradise Report also included a requirement to implement short-term direct measures in areas around lower Chedoke Creek and Princess Point. The City has completed an evaluation of options such as small-scale aeration systems and floating treatment wetlands. The implementation process is now set to begin within the next 2 to 3 weeks, starting with the installation of a small-scale aeration system just before the Kay Drage Park bridge followed by the deployment of 800sqft of floating treatment wetlands just inside the Princes Point Embayment. More information and communication to the public and media will follow as each short-term direct measure is installed.

APPENDICES AND SCHEDULES ATTACHED

Not Applicable.