

From: Christine Creighton <creightonc@thamesriver.on.ca>
Sent: Thursday, November 10, 2022 11:11 AM
To: Lysynski, Heather <hlysynsk@London.ca>
Cc: Carroll, Erin <carrolle@thamesriver.on.ca>; Tchir, Tara <TchirT@thamesriver.on.ca>
Subject: [EXTERNAL] Re: ECAC - Sept 15 - Question from ECAC - Monitoring - UTRCA's Reply

Hi Heather,

I have added some additional details [which I just received] to the response from our Aquatic Biologist Erin that was provided yesterday as follows -

I looked at our WISKI database and Stoney Creek was sampled for fish nine times at seven different stations between 2017 and 2021 (raw data attached). In 2022, an additional five fish sites were sampled on Stoney Creek at the direction of the City of London.

In recent years, fish sampling sites were selected based on project funding. Major projects focused on detection of Silver Shiner and Black Redhorse. About 5 sites a year are sampled by the UTRCA at the direction of the City of London, based on recent planned development or wastewater projects. There are reports published relating to each of these projects. Upper Thames reports annually on Dingman Creek biological (fish and benthic), water quality, and hydrometric monitoring. The five fish sites are outside the Dingman Creek subwatershed, but are included in the Dingman Report. The report goes to the City of London. The 2022 fish data, including the five Stoney Creek sites, will not be reported on until the next report, which is scheduled for publishing November 2023.

Upper Thames biologists collect benthic samples in each subwatershed for the purpose of watershed reporting. There is a benthic macro invertebrate monitoring program covering all Upper Thames River watersheds. The results are published every five years in Watershed Report Cards. There were twelve benthic samples collected on Stoney Creek from 2017 to spring 2022 (raw data attached). Stoney Creek at Windermere is the primary benthic station for Stoney Creek. It was sampled six times in that period. The results of this sampling is reported in the Watershed Report Cards. I believe our next round of report cards are due to be published in Jan. 2023.
<https://thamesriver.on.ca/watershed-health/watershed-report-cards/> In addition, there are project specific sample sites for benthic relating to wastewater monitoring for the City of London.

Please note that the UTRCA's aquatic biologist manages the fish and benthic monitoring program. However the CA is involved with other monitoring programs including -

- Provincial Water Quality Network surface water sampling
- Provincial Groundwater Monitoring Network sampling
- Event-based water quality monitoring, etc.

Tara Tchir our Science Co-ordinator can provide an overview of broader/London-wide/watershed re-sampling and monitoring programs since she has worked with partners to develop overall watershed monitoring goals and objectives which are outlined in the Shared Waters Approach.
<https://www.thamesrevival.ca/wp-content/uploads/2020/05/SharedWatersApproach-Dec2019finaldraft.pdf>

Both Tara and Erin will be in attendance at the Nov 17th ECAC meeting to answer questions.

Thank you, Heather. Please let me know if you have any questions.

Take care,
Christine