

Map Centre (UTM NAD83 z17): 546,149.72 4,837,163.18

This map is not to be used for navigation | 2020 Ortho (ON)

Grand River Conservation Authority

Date: Mar 23, 2023
Author: JC

Elora

Legend

- Regulation Limit (GRCA)
- Regulated Watercourse (GRCA)
- Regulated Waterbody (GRCA)
- Wetland (GRCA)
- Floodplain (GRCA)
  - Engineered
  - Estimated
  - Approximate
  - Special Policy Area
- Slope Valley (GRCA)
  - Steep
  - Oversteep
  - Steep
- Slope Erosion (GRCA)
  - Oversteep
  - Toe
- Lake Erie Flood (GRCA)
- Lake Erie Shoreline Reach (GRCA)
- Lake Erie Dynamic Beach (GRCA)
- Lake Erie Erosion (GRCA)
- Parcel - Assessment (MPAC/MNRF)

This legend is static and may not fully reflect the layers shown on the map. The text of Ontario Regulation 150/06 supercedes the mapping as represented by these layers.

Copyright Grand River Conservation Authority, 2023.
Disclaimer: This map is for illustrative purposes only. Information contained herein is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.
The source for each data layer is shown in parentheses in the map legend. For a complete listing of sources and citations go to: https://maps.grandriver.ca/Sources-and-Citations.pdf

0 150 300 600 900 Metres

N

NAD 1983 UTM Zone 17N

Scale: 24,520



Map Centre (UTM NAD83 z17): 550,419.25 4,839,314.07

This map is not to be used for navigation | 2020 Ortho (ON)

Grand River Conservation Authority

Date: Mar 23, 2023

Author: JC

Fergus

Legend

- Regulation Limit (GRCA)
- Regulated Watercourse (GRCA)
- Regulated Waterbody (GRCA)
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The source for each data layer is shown in parentheses in the map legend. For a complete listing of sources and citations go to: https://maps.grandriver.ca/Sources-and-Citations.pdf

0 150 300 600 900 Metres

N

NAD 1983 UTM Zone 17N

Scale: 24,520

Subject: RE: Centre Wellington SWM MP - TAC Meeting

From: Jessica Conroy <jconroy@grandriver.ca <mailto:jconroy@grandriver.ca> >
Sent: Tuesday, April 2, 2024 3:17 PM
To: Senior, Matthew <matt.senior@wsp.com <mailto:matt.senior@wsp.com> >
Subject: RE: Centre Wellington SWM MP - TAC Meeting

Hi Matt,

Thank you for sending the minutes and sorry for the delayed response.

GRCA engineering staff reviewed the presentation materials and did not have any major comments or concerns.

Given that upgrades to the existing storm sewer systems are proposed, we can only provide some high level advisory comments for future works at this time:

* Impacts of the proposed upgrades to receiving watercourses must be reviewed, and it must be demonstrated that there will be no increase to the risk of flooding or erosion of the watercourse as a result of the proposed works.
* Any features impacted by the proposed works should be clearly identified and appropriate design criteria should be applied to protect the feature. Future consultation with GRCA may be required.

Thank you,
Jessica

Jessica Conroy, MES Pl.
Resource Planner
Grand River Conservation Authority
400 Clyde Road, PO Box 729
Cambridge, ON N1R 5W6
Office: 519-621-2763 ext. 2230
Toll-free: 1-866-900-4722
Email: jconroy@grandriver.ca <mailto:jconroy@grandriver.ca> www.grandriver.ca

From: Senior, Matthew <matt.senior@wsp.com <mailto:matt.senior@wsp.com> >
Sent: Monday, February 26, 2024 3:18 PM
To: Ryan Maiden <RMaiden@centrewellington.ca <mailto:RMaiden@centrewellington.ca> >; Talpur, Mir Ahsan Ali <mir.talpur@wsp.com <mailto:mir.talpur@wsp.com> >
Cc: Adam Gilmore <AGilmore@centrewellington.ca <mailto:AGilmore@centrewellington.ca> >; cbaker@centrewellington.ca <mailto:cbaker@centrewellington.ca> ; Jessica Conroy <jconroy@grandriver.ca <mailto:jconroy@grandriver.ca> >; Maria Vogiatzis <mvogiatzis@grandriver.ca <mailto:mvogiatzis@grandriver.ca> >; Pasquale Costanzo <pasqualec@wellington.ca <mailto:pasqualec@wellington.ca> >
Subject: RE: Centre Wellington SWM MP - TAC Meeting

Hi all – minutes from today's meeting attached. Let me know if you have any questions or feedback, thanks.

<https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__https%3A%2F%2Fwww.wsp.com%2F__%3B!!M1KQTA!k_zYY46MOKyFGyzODgzYbvQFYIKP5N_DQzf4dsP9fH6XExlepn7u8-kocseOXUXBAuHaAg0VTgk68KqIR4xzpkQ%24&data=05%7C02%7Cmir.talpur%40wsp.com%7C3ce8f5a04c9b4a8ba32108dc534d6cdf%7C3d234255e20f420588a59658a402999b%7C1%7C0%7C638476839202110247%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=yJF4nlUu4ASFr8594lTJSdlOTNoJsNhVouHVR%2FTTk7k%3D&reserved=0>

Matt Senior, M.A.Sc., P.Eng.
Senior Water Resources Engineer

APPENDIX

A-5 INDIGENOUS CONSULTATION

A 5.1 *Mississauagas of the Credit First Nation (MCFN)*

A 5.2 *Six Nations of thr Grand River (SNGR)*

A 5.3 *Haudenosaunee Development Institute (HDI)*

APPENDIX

A-5.1 MCFN CONSULTATION

Vijayakumar, Roslyn

From: Ramlogan, Vijanti
Sent: Thursday, October 26, 2023 1:20 PM
To: Abby.LaForme@mncfn.ca
Cc: Ryan Maiden; Talpur, Mir; Senior, Matt; Shams, Aniqa
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, comment form

Good afternoon, Abby,

I am following-up regarding the Township of Centre Wellington's Stormwater Management Master Plan. We wanted to check with you to find out you have any comments on this project at this time.

The project presentation package and online comment form are available at this LINK

Thanks and regards,

Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ramlogan, Vijanti
Sent: Tuesday, October 17, 2023 3:50 PM
To: Abby.LaForme@mncfn.ca
Cc: Ryan Maiden <RMaiden@centrewellington.ca>; Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>; Shams, Aniqa <aniqa.shams@wsp.com>
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1

Good afternoon, Abby,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management

system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:37 PM
To: Abby.LaForme@mncfn.ca
Cc: Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Mississaugas of the Credit First Nations may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Vijayakumar, Roslyn

From: Ramlogan, Vijanti
Sent: Tuesday, October 17, 2023 3:50 PM
To: Abby.LaForme@mncfn.ca
Cc: Ryan Maiden; Talpur, Mir; Senior, Matt; Shams, Aniqa
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1
Attachments: CW Stormwater Management Master Plan - Notice of PIC #1.pdf

Good afternoon, Abby,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

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Vijanti

Vijanti Ramlogan
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Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Mississaugas of the Credit First Nations may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Public Information Centre #1
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

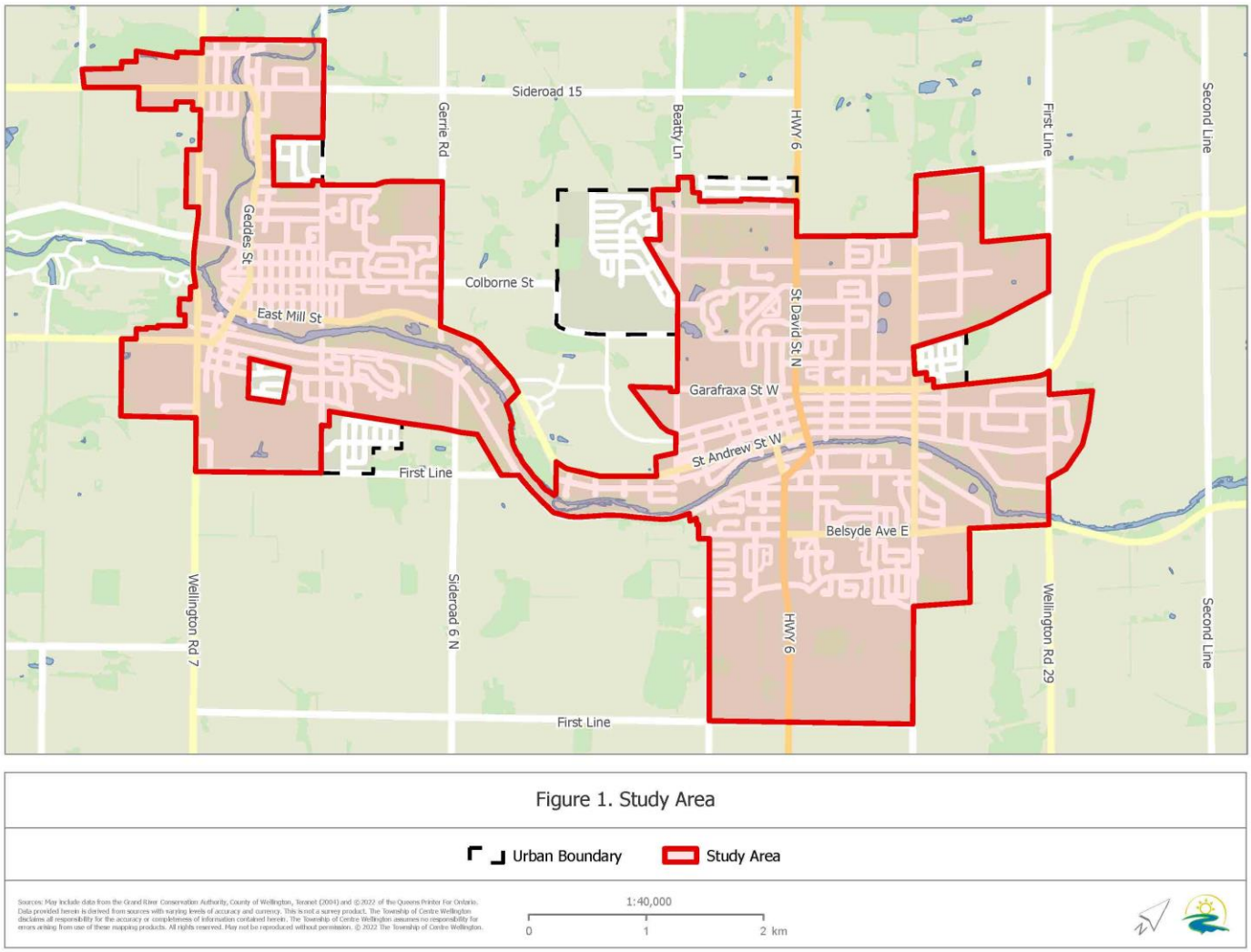


Figure 1. Study Area

The Study Process

This Municipal Class Environmental Assessment Study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2007, 2011 & 2015). This study will address Phases 1 and 2 of the Municipal Class Environmental Assessment Study

process to identify any problems or opportunities within the Stormwater Management System, identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class Environmental Assessment Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres are planned to share study information and to provide an opportunity to receive feedback on the study finding and recommendations. At this time, the Township is planning to host Public Information Centre (PIC) #1. The intent of this event is to share preliminary findings of this study and gather feedback on the key areas of concerns within the Township, as it relates to stormwater management. This PIC is being hosted in two formats:

In-person Open House: The Township will be hosting "Key Projects Open House" on Thursday, October 19, 2023, from 6pm – 8 pm at the Centre Wellington Community Sportsplex. Interested individuals are invited to attend this event where they will have the opportunity to meet with staff and team members on major Township projects and initiatives, including the Stormwater Management Master Plan Study Team.

Virtual Information: In addition to the in-person event, a project presentation package will be made available on Township's community engagement platform, Connect CW, starting October 19, 2023. Interested individuals are invited to review this information on their own time and submit any comments by November 2, 2023. The project presentation package and online comment form will be available on: https://www.connectcw.ca/swm-master-plan

Alternatively, you may contact one of the Project Team Members identified below to submit any questions or comments:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP E&I Canada Limited
matt.senior@wsp.com
905-802-4706

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

Vijayakumar, Roslyn

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:37 PM
To: Abby.LaForme@mncfn.ca
Cc: Talpur, Mir; Senior, Matt
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora
Attachments: Stormwater Management Master Plan - Notice of Commencement.pdf; WW22011069 _CentreWellington-SWM-MP_MCFN_NoC - Abby LaForme.pdf

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Mississaugas of the Credit First Nations may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Study Commencement
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

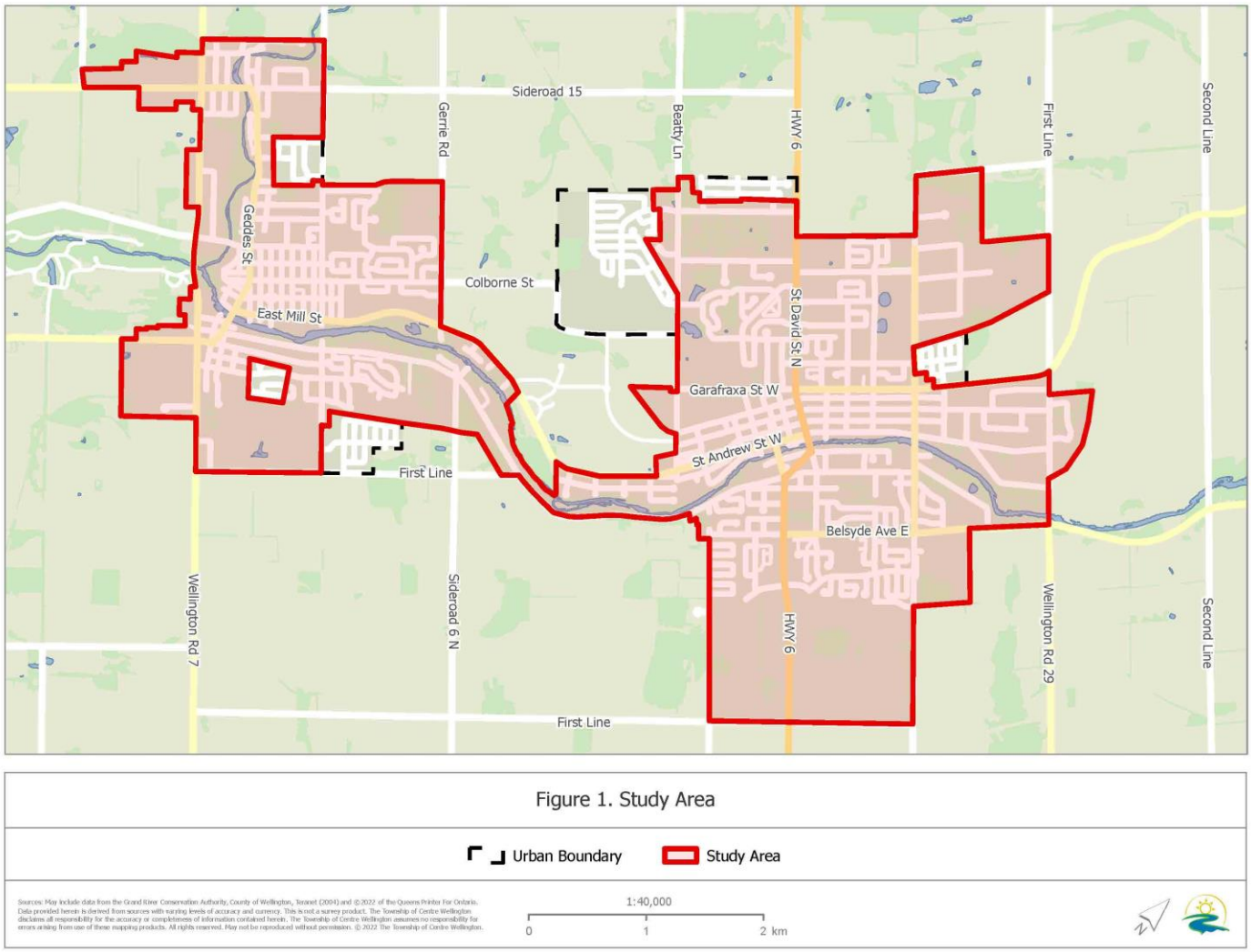


Figure 1. Study Area

The Study Process

This Municipal Class Environmental Assessment Study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2007, 2011 & 2015). This study will address Phases 1 and 2 of the Municipal Class Environmental Assessment Study

process to identify any problems or opportunities within the Stormwater Management System, Identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class Environmental Assessment Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres will be hosted to share study information with the project stakeholders and to provide an opportunity to receive feedback on the study finding and recommendations. At the conclusion of the Study, a Master Plan Report will be developed and issued for review. Advanced notifications will be issued at key milestones to invite the interested parties to participate in this study. **We invite you to participate in this study and inform the development of the Stormwater Management Master Plan.** To participate, we encourage you to sign up to be on the Study Contact List through the Connectcw project page.

As the study progresses, updates and documentation will be posted on the project webpage:

Connectcw.ca/SWM-Master-Plan

If you have any questions or comments at this time or if you would like to receive future notices for this study via email, please contact one of the Project Team Members identified below:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP E&I Canada Limited
matt.senior@wsp.com
905-335-2353 (Ex. 3080)

This Notice was first issued March 16, 2023.

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

Centre Wellington

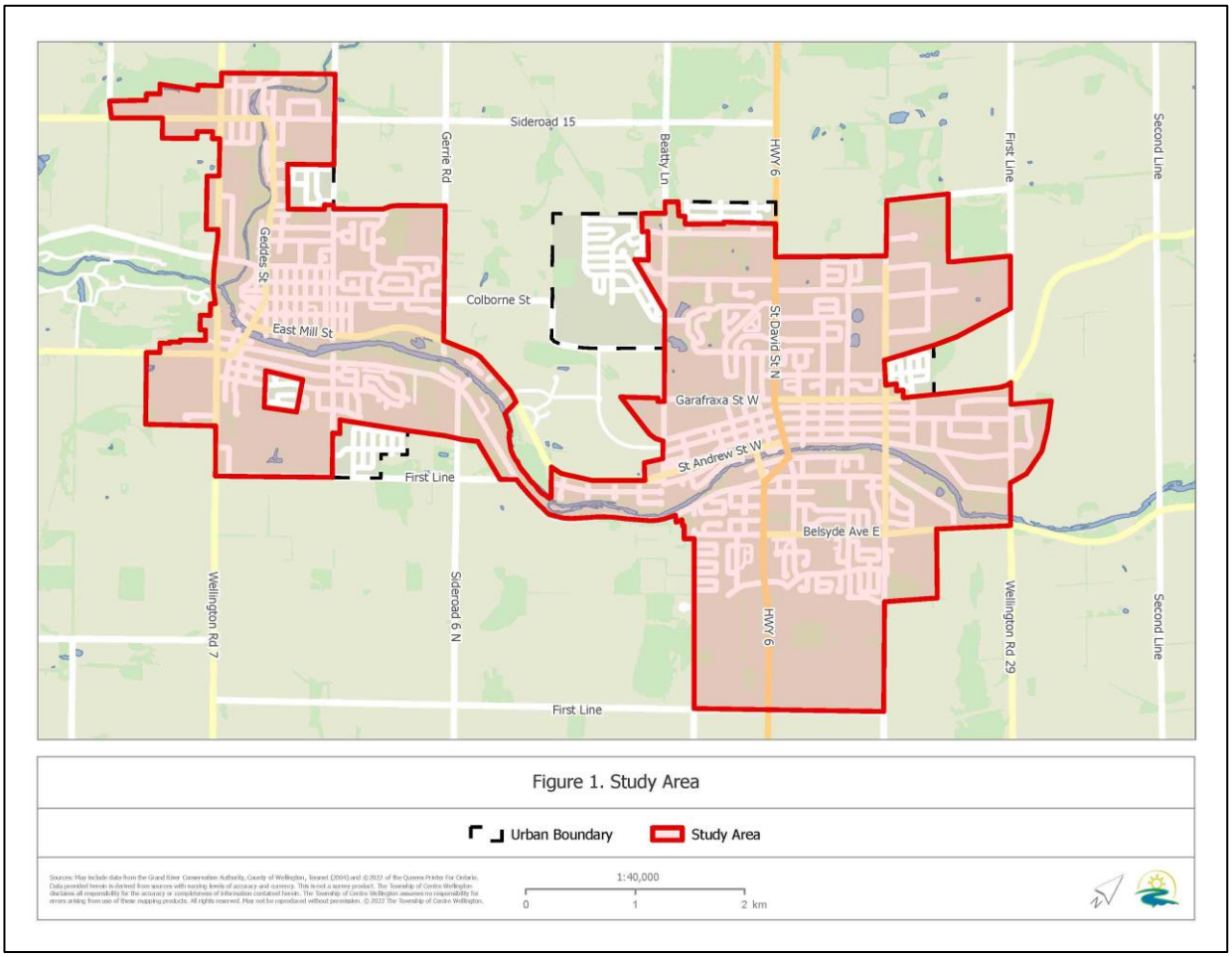
March 16, 2023

Abby LaForme
Consultation Manager
Mississaugas of the Credit First Nation
Abby.LaForme@mncfn.ca

Dear Ms. LaForme:

Re: Notice of Study Commencement - Stormwater Management Master Plan for the Township of Centre Wellington

The Township of Centre Wellington (the Township) has initiated a Municipal Class Environmental Assessment Study Master Plan to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that the stormwater (runoff generated by rainfall and snowmelt) is effectively managed (Project). The Study Area is shown in the figure below.



The Study Process

The Study is being conducted in accordance with Master Plan process of the Municipal Class Environmental Assessment (October 2000, as amended) process. This notice signals the commencement of the Municipal Class Environmental Assessment (MCEA) Study. The MCEA Study help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. As the study progresses, updates and documentation will be posted on the project webpage: **Connectcw.ca/SWM-Master-Plan**.

Consultation

The Township has received direction from the Provincial Crown that the Mississaugas of the Credit First Nation may have an interest in the Project. The Township is committed to involving Indigenous Nations in this Project. Attached is the Notice of Study Commencement. Please feel free to share this information within your community as you feel appropriate. The tentative schedule and milestones in the Project include the following:

- Public Information Centre #1: Mid 2023
- Public Information Centre #2: Late 2023
- Stormwater Management Master Plan: Early 2024

We are interested in understanding any interests or questions that the Mississaugas of the Credit First Nation may have about this Project and if there is a potential for the Project to affect Indigenous and treaty rights. We would also be interested to know if there are any sites of cultural significance to your community within, or adjacent to, the Study Area.

If you would like to meet to discuss the project in more detail, please feel free to contact the undersigned and we will arrange a virtual meeting. We will contact you by email/telephone in the near future to determine your interest in a meeting.

Sincerely,

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Attachment: Notice of Study Commencement

Information will be collected in accordance with the *Municipal Freedom of Information and Protection of Privacy Ac*t. With the exception of personal information, all comments will become part of the public record. If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed above.

Vijayakumar, Roslyn

From: Talpur, Mir Ahsan Ali
Sent: Wednesday, February 14, 2024 9:00 AM
To: Abby.LaForme@mncfn.ca
Cc: Ryan Maiden; Senior, Matthew; Ramlogan Murphy, Vijanti
Subject: Township of Centre Wellington SWM Master Plan - Public Information Centre #2
Attachments: CW Stormwater Management Master Plan - Notice of PIC #2.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Abby,

The Township of Centre Wellington is conducting a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. Public Information Centre #2 is being planned to present the Preferred Stormwater Management Strategy for the Township.

We would like to share with you the attached Notice of Public Information Centre #2. This event is being hosted in both, in-person and virtual formats starting Wednesday, February 21, 2024. Please refer to the attached notice for more information on how to review project information.

If you have any questions or comments regarding this project, feel free to reach out to us.

Sincerely,

Mir

Mir Ahsan Talpur, RPP, MCIP, EP
Senior Environmental Planner
EIA - Environmental Permitting & Compliance, Ontario
He/Him
M+ 1 647-545-8974

WSP Canada Inc.

Vacation Altert: I will be off from March 1 to March 12 (inclusive)

From: Ramlogan, Vijanti <vijanti.ramlogan@wsp.com>
Sent: Tuesday, October 17, 2023 3:50 PM
To: Abby.LaForme@mncfn.ca
Cc: Ryan Maiden <RMaiden@centrewellington.ca>; Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>; Shams, Aniqa <aniqa.shams@wsp.com>
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1

Good afternoon, Abby,

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Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

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We are interested in understanding any interests or questions that the Mississaugas of the Credit First Nations may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Public Information Centre #2
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington is conducting a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

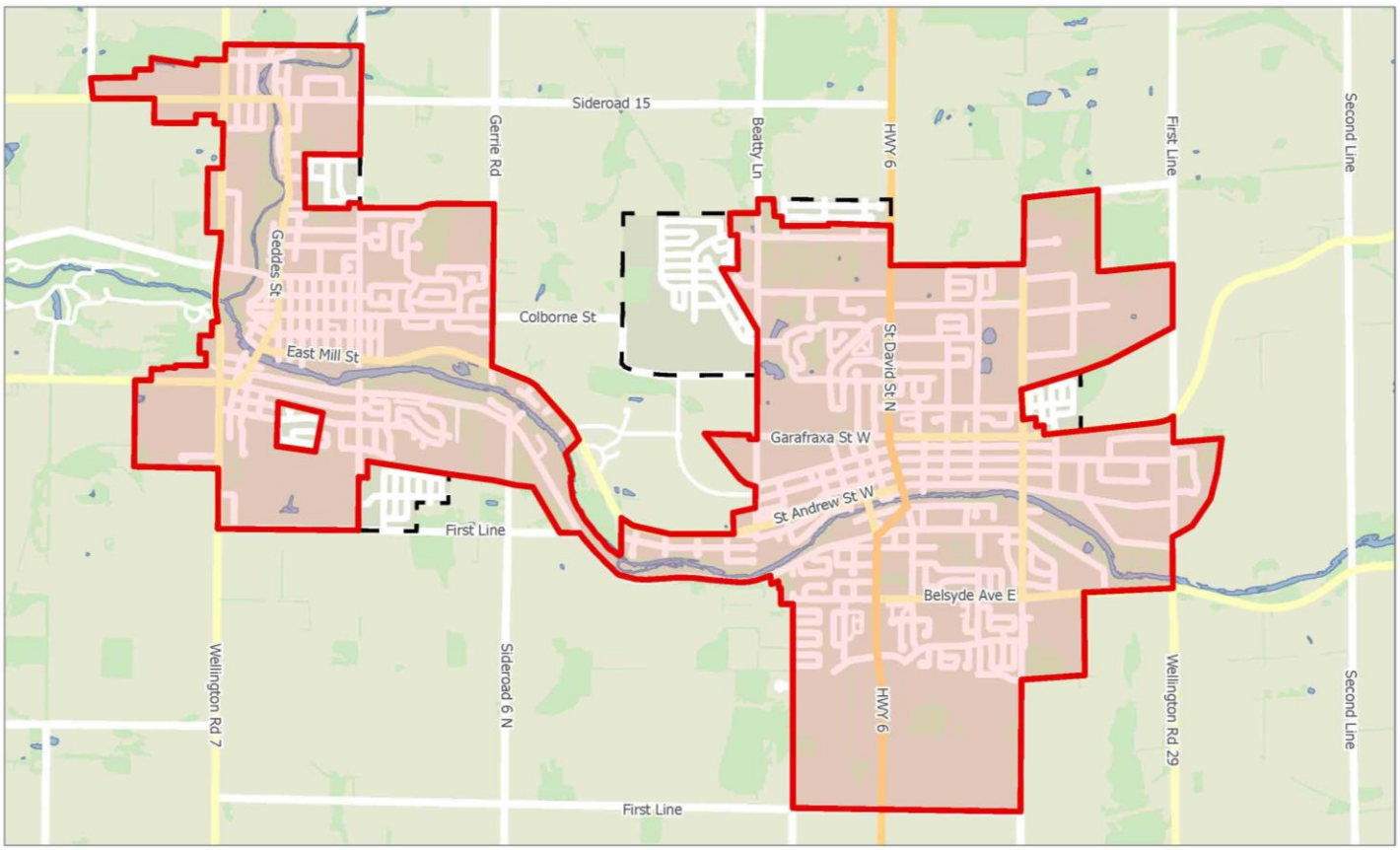


Figure 1. Study Area

The Study Process

This study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (amended in 2023). This study will address Phases 1 and 2 of the Municipal Class EA process to identify any problems or opportunities within Township's Stormwater Management System, identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class EA Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres are planned to share study information and to provide an opportunity to receive feedback on the study finding and recommendations.

to Public Information Centre #1 was held from October 19, 2023 November 2, 2023 to introduce the Master Plan Study, share preliminary findings and gather feedback on the key areas of concerns related to stormwater management within the Township.

Public Information Centre #2 is being held to present the Preferred Stormwater Management Strategy for the Township (communities of Fergus and Elora). The Preferred Stormwater Management Strategy is intended to most effectively manage stormwater flow characteristics (primarily conveyance system upgrades) and present the long-term associated costs.

This PIC is being hosted in two formats:

In-person Open House: The Township will be hosting an In-person Open House on Wednesday, February 21, 2024, from 6pm – 8 pm at the Jefferson Elora Community Centre. Interested individuals are invited to attend this event where they will have the opportunity to meet with team members of the Stormwater Management Master Plan Study Team.

Virtual Information: In addition to the in-person event, a project presentation package will be made available on Township's community engagement platform, Connect CW, starting Wednesday, February 21, 2024. Interested individuals are invited to review this information on their own time and submit any comments by Thursday, March 7, 2024. The project presentation package and online comment form will be available on: https://www.connectcw.ca/swm-master-plan

Alternatively, you may contact one of the Project Team Members identified below to submit any questions or comments:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP Canada Inc.
matt.senior@wsp.com
905-335-2353

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

APPENDIX

A-5.2 SNGR CONSULTATION

Vijayakumar, Roslyn

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:39 PM
To: lonnybomberry@sixnations.ca
Cc: Talpur, Mir; Senior, Matt
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora
Attachments: WW22011069_CentreWellington-SWM-MP_SNGR_NoC - Lonny Bomberry.pdf; Stormwater Management Master Plan - Notice of Commencement.pdf

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Six Nations of the Grand River may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Study Commencement
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

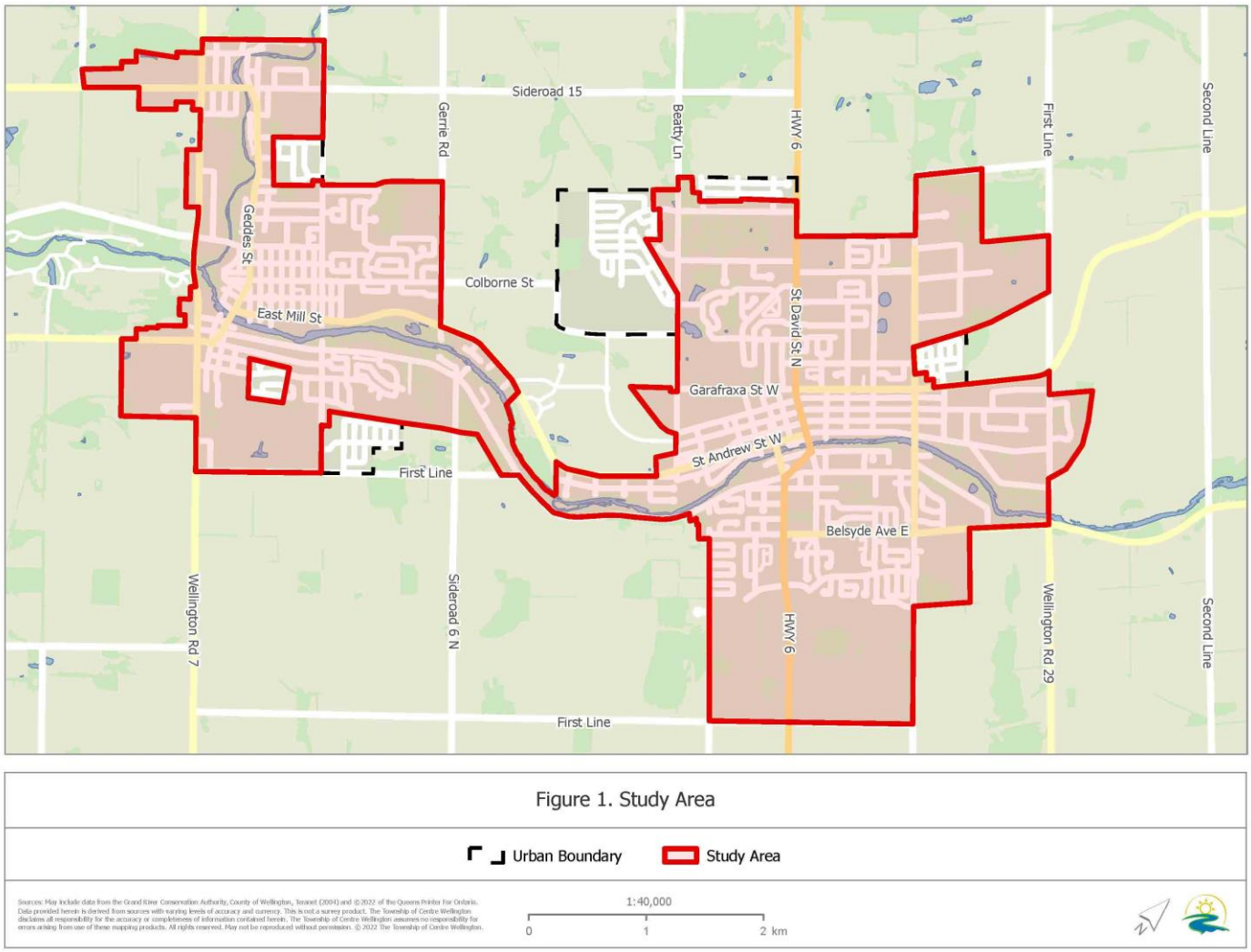


Figure 1. Study Area

The Study Process

This Municipal Class Environmental Assessment Study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2007, 2011 & 2015). This study will address Phases 1 and 2 of the Municipal Class Environmental Assessment Study

process to identify any problems or opportunities within the Stormwater Management System, Identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class Environmental Assessment Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres will be hosted to share study information with the project stakeholders and to provide an opportunity to receive feedback on the study finding and recommendations. At the conclusion of the Study, a Master Plan Report will be developed and issued for review. Advanced notifications will be issued at key milestones to invite the interested parties to participate in this study. **We invite you to participate in this study and inform the development of the Stormwater Management Master Plan.** To participate, we encourage you to sign up to be on the Study Contact List through the Connectcw project page.

As the study progresses, updates and documentation will be posted on the project webpage:

Connectcw.ca/SWM-Master-Plan

If you have any questions or comments at this time or if you would like to receive future notices for this study via email, please contact one of the Project Team Members identified below:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP E&I Canada Limited
matt.senior@wsp.com
905-335-2353 (Ex. 3080)

This Notice was first issued March 16, 2023.

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

Centre Wellington

March 16, 2023

Lonny Bomberry
Lands & Resources Director
Six Nations of the Grand River
lonnybomberry@sixnations.ca

Dear Mr. Bomberry:

Re: Notice of Study Commencement - Stormwater Management Master Plan for the Township of Centre Wellington

The Township of Centre Wellington (the Township) has initiated a Municipal Class Environmental Assessment Study Master Plan to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that the stormwater (runoff generated by rainfall and snowmelt) is effectively managed (Project). The Study Area is shown in the figure below.

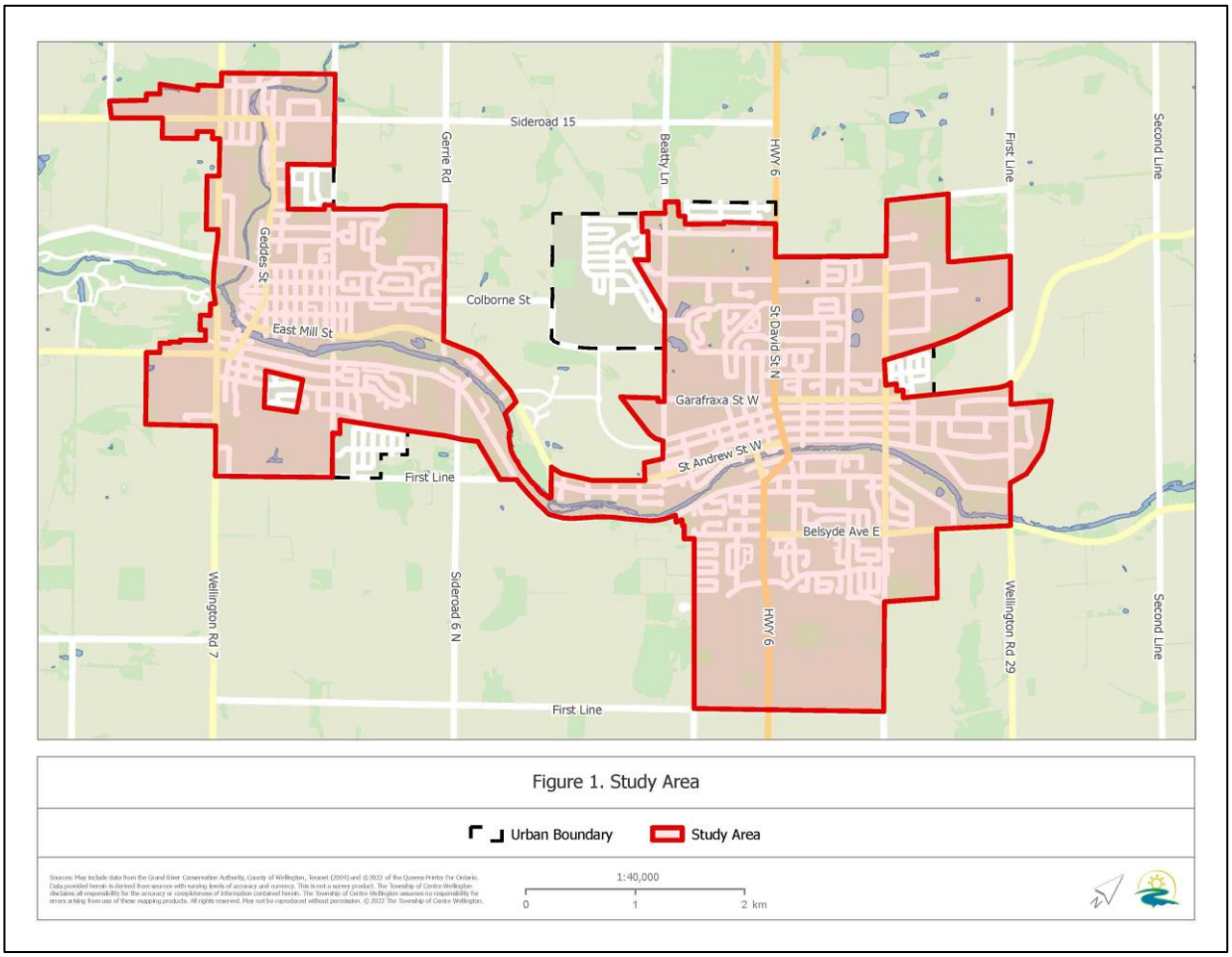


Figure 1. Study Area

The Study Process

The Study is being conducted in accordance with Master Plan process of the Municipal Class Environmental Assessment (October 2000, as amended) process. This notice signals the commencement of the Municipal Class Environmental Assessment (MCEA) Study. The MCEA Study help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. As the study progresses, updates and documentation will be posted on the project webpage: **Connectcw.ca/SWM-Master-Plan**.

Consultation

The Township has received direction from the Provincial Crown that the Six Nations of the Grand River may have an interest in the Project. The Township is committed to involving Indigenous Nations in this Project. Attached is the Notice of Study Commencement. Please feel free to share this information within your community as you feel appropriate. The tentative schedule and milestones in the Project include the following:

- Public Information Centre #1: Mid 2023
- Public Information Centre #2: Late 2023
- Stormwater Management Master Plan: Early 2024

Details of the Online Open House will be advertised in the ***Wellington Advertiser*** and on ***centrewellington.ca*** closer to the date. We are interested in understanding any interests or questions that the Six Nations of the Grand River may have about this Project and if there is a potential for the Project to affect Indigenous and treaty rights. We would also be interested to know if there are any sites of cultural significance to your community within, or adjacent to, the Study Area.

If you would like to meet to discuss the project in more detail, please feel free to contact the undersigned and we will arrange a meeting. We will contact you by email/telephone in the near future to determine your interest in a meeting.

Sincerely,

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Attachment: Notice of Study Commencement

Information will be collected in accordance with the *Municipal Freedom of Information and Protection of Privacy Ac*t. With the exception of personal information, all comments will become part of the public record. If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed above.

Vijayakumar, Roslyn

From: Ramlogan, Vijanti
Sent: Tuesday, October 17, 2023 3:50 PM
To: lonnybomberry@sixnations.ca; Tayler Hill; Dawn LaForme
Cc: 'Ryan Maiden'; Talpur, Mir; Senior, Matt; Shams, Aniqa
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1
Attachments: CW Stormwater Management Master Plan - Notice of PIC #1.pdf

Good afternoon, Lonny, Tayler and Dawn,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:39 PM
To: lonnybomberry@sixnations.ca
Cc: Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Six Nations of the Grand River may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Public Information Centre #1
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

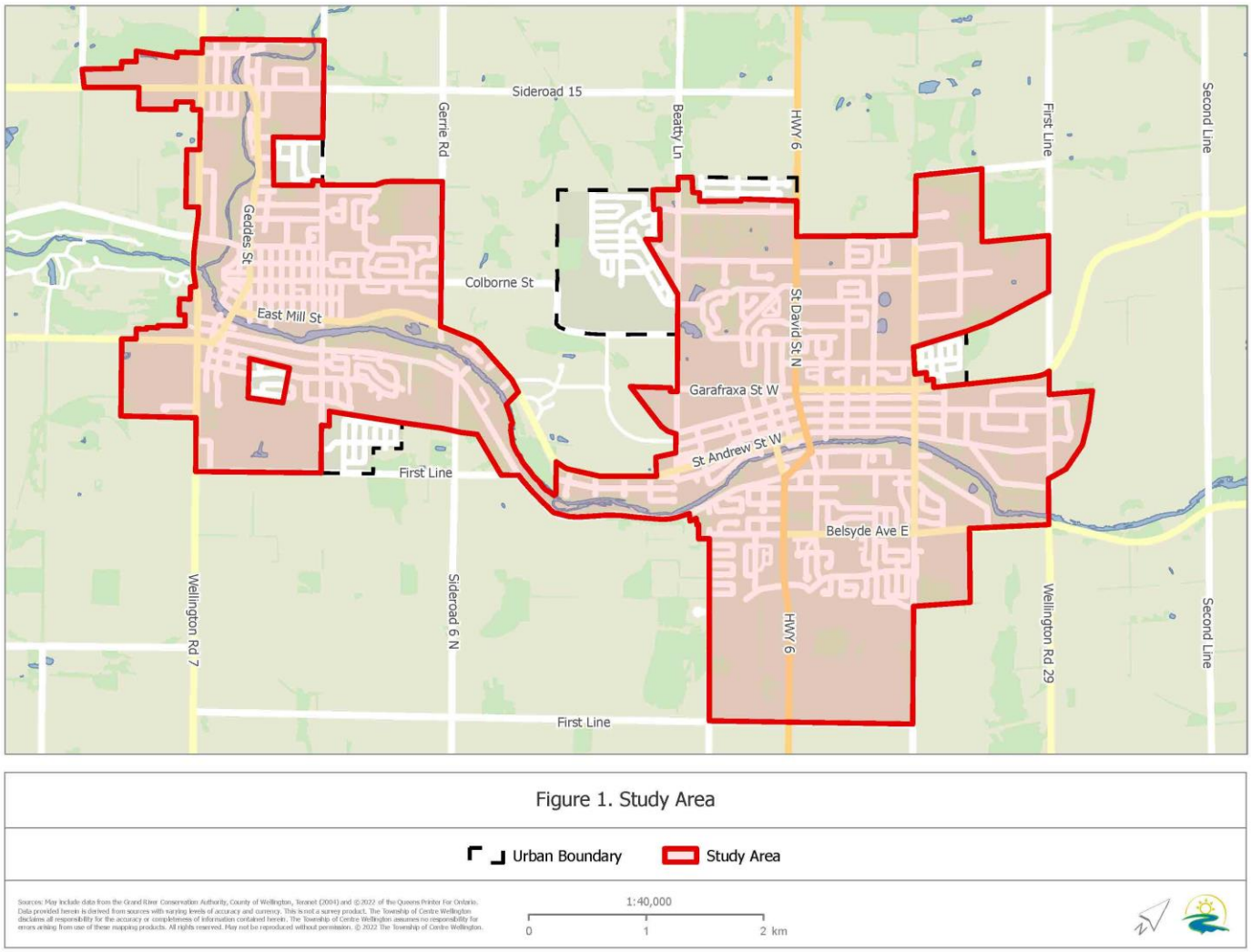


Figure 1. Study Area

The Study Process

This Municipal Class Environmental Assessment Study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2007, 2011 & 2015). This study will address Phases 1 and 2 of the Municipal Class Environmental Assessment Study

process to identify any problems or opportunities within the Stormwater Management System, identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class Environmental Assessment Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres are planned to share study information and to provide an opportunity to receive feedback on the study finding and recommendations. At this time, the Township is planning to host Public Information Centre (PIC) #1. The intent of this event is to share preliminary findings of this study and gather feedback on the key areas of concerns within the Township, as it relates to stormwater management. This PIC is being hosted in two formats:

In-person Open House: The Township will be hosting "Key Projects Open House" on Thursday, October 19, 2023, from 6pm – 8 pm at the Centre Wellington Community Sportsplex. Interested individuals are invited to attend this event where they will have the opportunity to meet with staff and team members on major Township projects and initiatives, including the Stormwater Management Master Plan Study Team.

Virtual Information: In addition to the in-person event, a project presentation package will be made available on Township's community engagement platform, Connect CW, starting October 19, 2023. Interested individuals are invited to review this information on their own time and submit any comments by November 2, 2023. The project presentation package and online comment form will be available on: https://www.connectcw.ca/swm-master-plan

Alternatively, you may contact one of the Project Team Members identified below to submit any questions or comments:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP E&I Canada Limited
matt.senior@wsp.com
905-802-4706

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

Vijayakumar, Roslyn

From: Ramlogan, Vijanti
Sent: Thursday, October 26, 2023 1:20 PM
To: lonnybomberry@sixnations.ca; Tayler Hill; Dawn LaForme
Cc: Ryan Maiden; Talpur, Mir; Senior, Matt; Shams, Aniqa
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, comment form

Good afternoon, Lonny, Tayler and Dawn,

I am following-up regarding the Township of Centre Wellington's Stormwater Management Master Plan. We wanted to check with you to find out if you have any comments on this project at this time.

The project presentation package and online comment form are available at this LINK

Thanks and regards,

Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ramlogan, Vijanti
Sent: Tuesday, October 17, 2023 3:50 PM
To: lonnybomberry@sixnations.ca; Tayler Hill <tayler.hill@sixnations.ca>; Dawn LaForme <dlaforme@sixnations.ca>
Cc: 'Ryan Maiden' <RMaiden@centrewellington.ca>; Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>; Shams, Aniqa <aniqa.shams@wsp.com>
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1

Good afternoon, Lonny, Tayler and Dawn,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:39 PM
To: lonnybomberry@sixnations.ca
Cc: Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Six Nations of the Grand River may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Vijayakumar, Roslyn

From: Talpur, Mir Ahsan Ali
Sent: Wednesday, February 14, 2024 9:00 AM
To: lonnybomberry@sixnations.ca; Tayler Hill; Dawn LaForme; Peter Graham
Cc: Ryan Maiden; Senior, Matthew; Ramlogan Murphy, Vijanti
Subject: Township of Centre Wellington SWM Master Plan - Public Information Centre #2
Attachments: CW Stormwater Management Master Plan - Notice of PIC #2.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Lonny, Tayler, Dawn and Peter,

The Township of Centre Wellington is conducting a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. Public Information Centre #2 is being planned to present the Preferred Stormwater Management Strategy for the Township.

We would like to share with you the attached Notice of Public Information Centre #2. This event is being hosted in both, in-person and virtual formats starting Wednesday, February 21, 2024. Please refer to the attached notice for more information on how to review project information.

If you have any questions or comments regarding this project, feel free to reach out to us.

Sincerely,

Mir

Mir Ahsan Talpur, RPP, MCIP, EP
Senior Environmental Planner
EIA - Environmental Permitting & Compliance, Ontario
He/Him
M+ 1 647-545-8974

WSP Canada Inc.

Vacation Altert: I will be off from March 1 to March 12 (inclusive)

From: Ramlogan, Vijanti <vijanti.ramlogan@wsp.com>
Sent: Tuesday, October 17, 2023 3:50 PM
To: lonnybomberry@sixnations.ca; Tayler Hill <tayler.hill@sixnations.ca>; Dawn LaForme <dlaforme@sixnations.ca>
Cc: Ryan Maiden <RMaiden@centrewellington.ca>; Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>; Shams, Aniqa <aniqa.shams@wsp.com>
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1

Good afternoon, Lonny, Tayler and Dawn,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management

system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
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wsp.com

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:39 PM
To: lonnybomberry@sixnations.ca
Cc: Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

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We are interested in understanding any interests or questions that the Six Nations of the Grand River may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Public Information Centre #2
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington is conducting a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

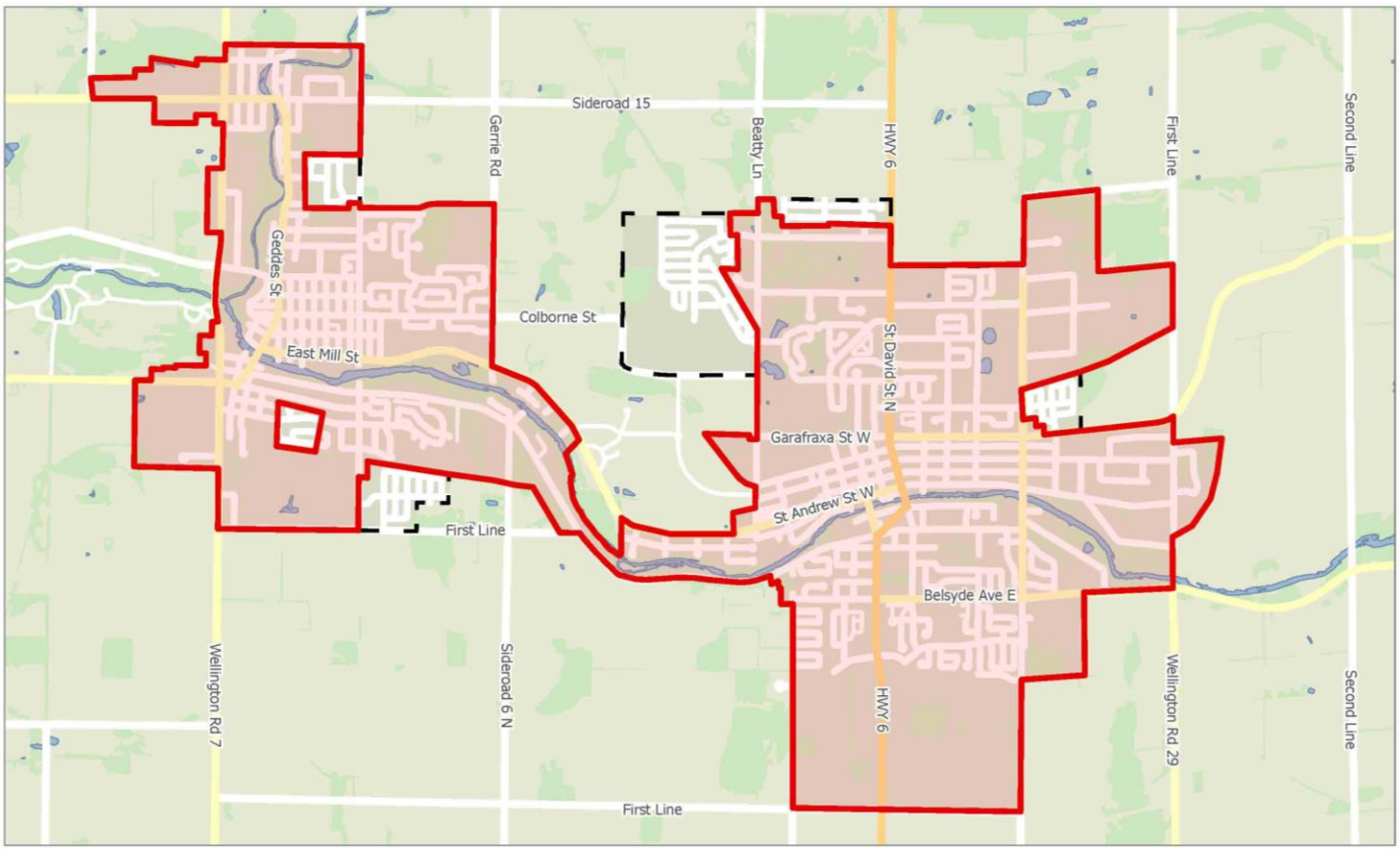


Figure 1. Study Area

The Study Process

This study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (amended in 2023). This study will address Phases 1 and 2 of the Municipal Class EA process to identify any problems or opportunities within Township's Stormwater Management System, identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class EA Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres are planned to share study information and to provide an opportunity to receive feedback on the study finding and recommendations.

to Public Information Centre #1 was held from October 19, 2023 November 2, 2023 to introduce the Master Plan Study, share preliminary findings and gather feedback on the key areas of concerns related to stormwater management within the Township.

Public Information Centre #2 is being held to present the Preferred Stormwater Management Strategy for the Township (communities of Fergus and Elora). The Preferred Stormwater Management Strategy is intended to most effectively manage stormwater flow characteristics (primarily conveyance system upgrades) and present the long-term associated costs.

This PIC is being hosted in two formats:

In-person Open House: The Township will be hosting an In-person Open House on Wednesday, February 21, 2024, from 6pm – 8 pm at the Jefferson Elora Community Centre. Interested individuals are invited to attend this event where they will have the opportunity to meet with team members of the Stormwater Management Master Plan Study Team.

Virtual Information: In addition to the in-person event, a project presentation package will be made available on Township's community engagement platform, Connect CW, starting Wednesday, February 21, 2024. Interested individuals are invited to review this information on their own time and submit any comments by Thursday, March 7, 2024. The project presentation package and online comment form will be available on: https://www.connectcw.ca/swm-master-plan

Alternatively, you may contact one of the Project Team Members identified below to submit any questions or comments:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP Canada Inc.
matt.senior@wsp.com
905-335-2353

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

APPENDIX

A-5.3 HDI CONSULTATION

From:	Ramlogan, Vijanti
To:	Raechelle Williams (raechellewilliams@hdi.land)
Cc:	"Ryan Maiden"; Talpur, Mir; Senior, Matt; Shams, Aniqa
Subject:	RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, comment form
Date:	Thursday, October 26, 2023 1:20:00 PM
Attachments:	image001.png image002.png

Good morning, Raechelle,

I am following-up regarding the Township of Centre Wellington's Stormwater Management Master Plan. We wanted to check with you to find out if you have any comments on this project at this time.

The project presentation package and online comment form are available at this LINK

Thanks and regards,

Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ramlogan, Vijanti
Sent: Tuesday, October 17, 2023 3:50 PM
To: Raechelle Williams (raechellewilliams@hdi.land) <raechellewilliams@hdi.land>
Cc: Ryan Maiden <RMaiden@centrewellington.ca>; Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>; Shams, Aniqa <aniqa.shams@wsp.com>
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1

Good afternoon, Raechelle,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and

constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

wsp.com

From: Ryan Maiden <RMaiden@centrewellington.ca>
Sent: Monday, March 20, 2023 2:41 PM
To: janicewilliams@hdi.land
Cc: Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>
Subject: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This

noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Haudenosaunee Development Institute may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

From: Ramlogan, Vijanti
To: Raechelle Williams (raechellewilliams@hdi.land)
Cc: Ryan Maiden; Talpur, Mir; Senior, Matt; Shams, Aniqa
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1
Date: Tuesday, October 17, 2023 3:50:00 PM
Attachments: CW Stormwater Management Master Plan - Notice of PIC #1.pdf
image001.png
image002.png

Good afternoon, Raechelle,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
176 Lakeshore Dr., Suite 6
North Bay ON P1A 2A8
Canada

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Sent: Monday, March 20, 2023 2:41 PM
To: janicewilliams@hdi.land
Cc: Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>
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Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Haudenosaunee Development Institute may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Public Information Centre #1
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

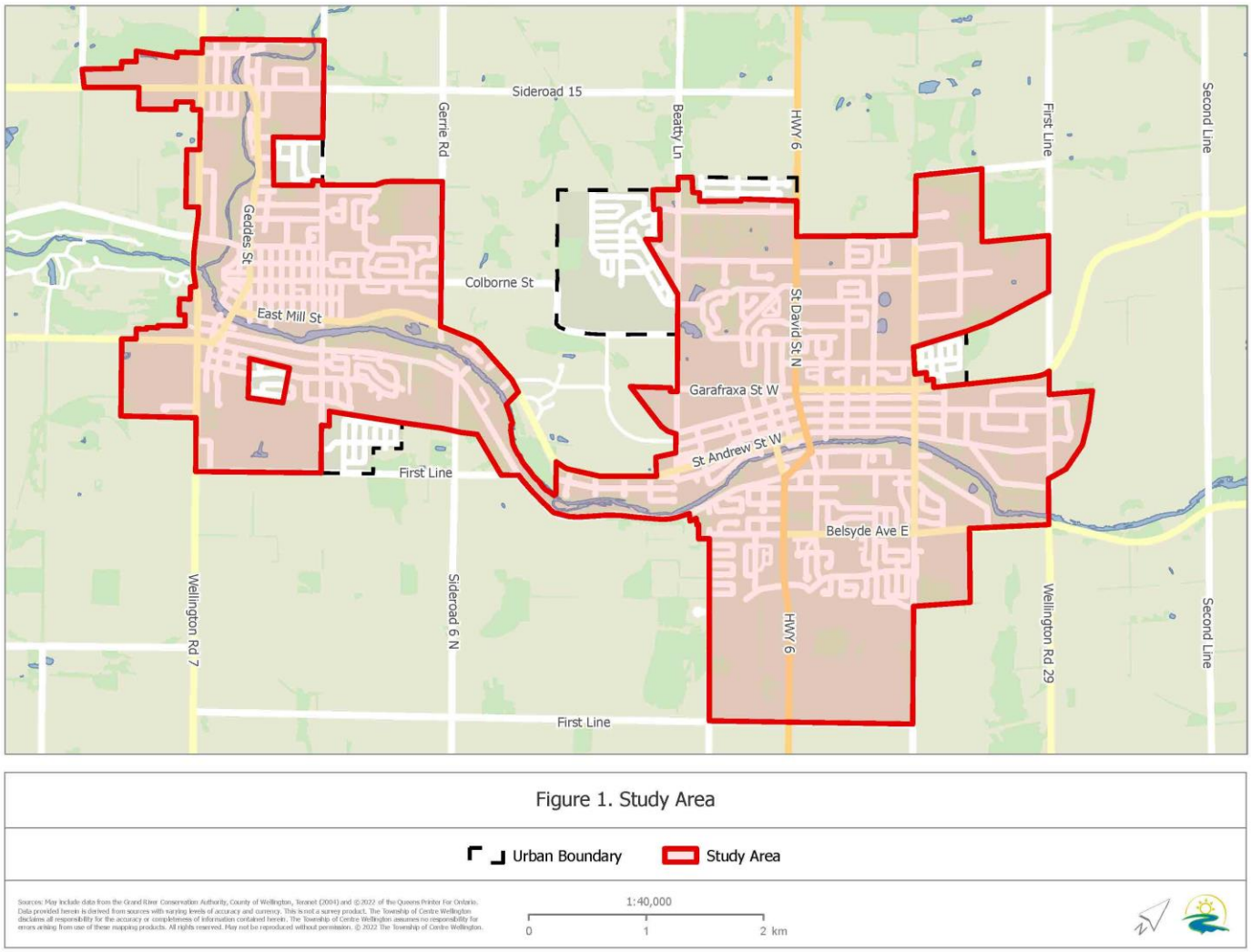


Figure 1. Study Area

The Study Process

This Municipal Class Environmental Assessment Study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2007, 2011 & 2015). This study will address Phases 1 and 2 of the Municipal Class Environmental Assessment Study

process to identify any problems or opportunities within the Stormwater Management System, identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class Environmental Assessment Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres are planned to share study information and to provide an opportunity to receive feedback on the study finding and recommendations. At this time, the Township is planning to host Public Information Centre (PIC) #1. The intent of this event is to share preliminary findings of this study and gather feedback on the key areas of concerns within the Township, as it relates to stormwater management. This PIC is being hosted in two formats:

In-person Open House: The Township will be hosting "Key Projects Open House" on Thursday, October 19, 2023, from 6pm – 8 pm at the Centre Wellington Community Sportsplex. Interested individuals are invited to attend this event where they will have the opportunity to meet with staff and team members on major Township projects and initiatives, including the Stormwater Management Master Plan Study Team.

Virtual Information: In addition to the in-person event, a project presentation package will be made available on Township's community engagement platform, Connect CW, starting October 19, 2023. Interested individuals are invited to review this information on their own time and submit any comments by November 2, 2023. The project presentation package and online comment form will be available on: https://www.connectcw.ca/swm-master-plan

Alternatively, you may contact one of the Project Team Members identified below to submit any questions or comments:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP E&I Canada Limited
matt.senior@wsp.com
905-802-4706

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

From:	Ryan Maiden
To:	janicewilliams@hdi.land
Cc:	Talpur, Mir; Senior, Matt
Subject:	Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora
Date:	Monday, March 20, 2023 2:43:37 PM
Attachments:	Stormwater Management Master Plan - Notice of Commencement.pdf WW22011069_CentreWellington-SWM-MP_HDI_NoC - Raechelle Williams.pdf

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Haudenosaunee Development Institute may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Study Commencement
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

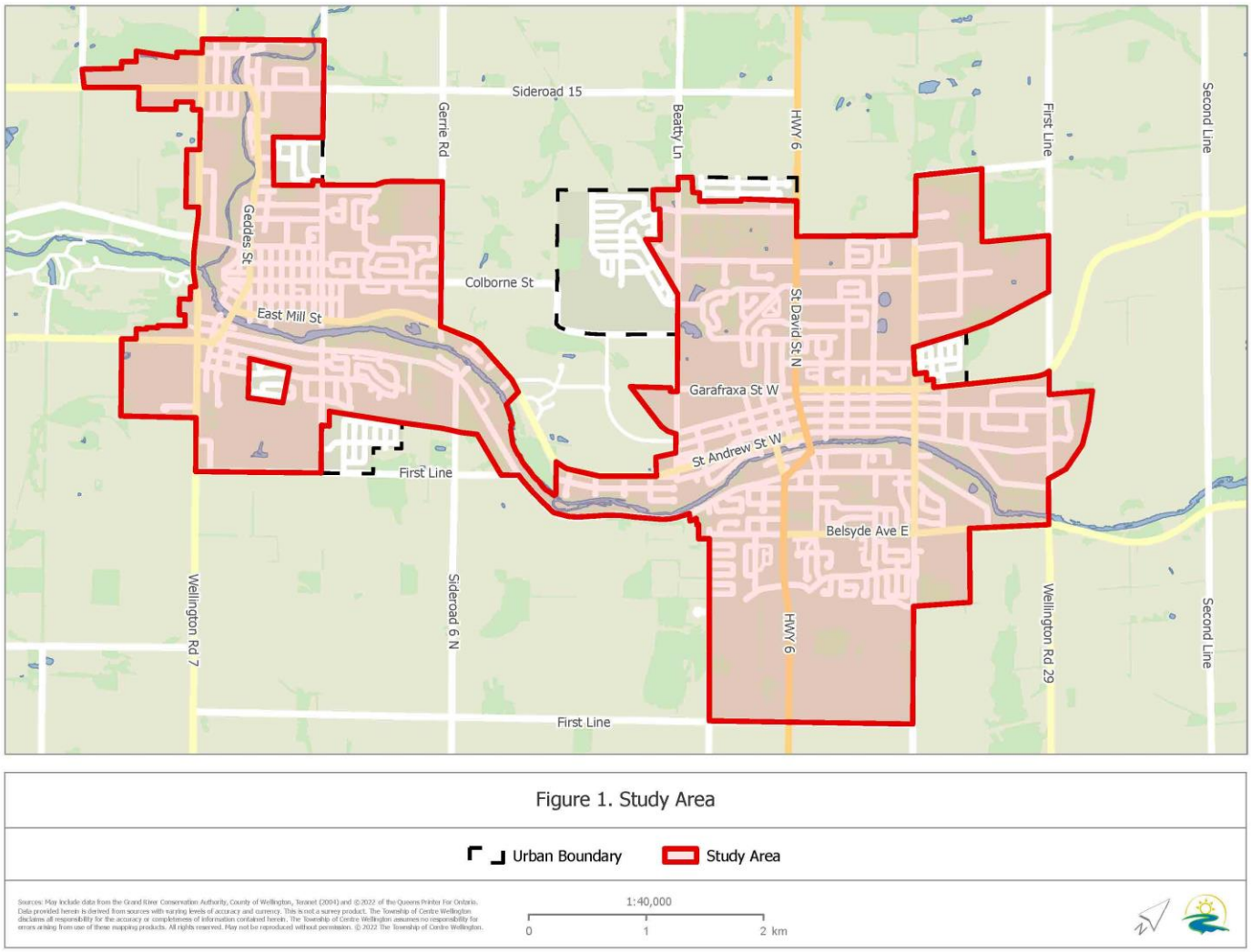


Figure 1. Study Area

The Study Process

This Municipal Class Environmental Assessment Study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2007, 2011 & 2015). This study will address Phases 1 and 2 of the Municipal Class Environmental Assessment Study

process to identify any problems or opportunities within the Stormwater Management System, Identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class Environmental Assessment Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres will be hosted to share study information with the project stakeholders and to provide an opportunity to receive feedback on the study finding and recommendations. At the conclusion of the Study, a Master Plan Report will be developed and issued for review. Advanced notifications will be issued at key milestones to invite the interested parties to participate in this study. **We invite you to participate in this study and inform the development of the Stormwater Management Master Plan.** To participate, we encourage you to sign up to be on the Study Contact List through the Connectcw project page.

As the study progresses, updates and documentation will be posted on the project webpage:

Connectcw.ca/SWM-Master-Plan

If you have any questions or comments at this time or if you would like to receive future notices for this study via email, please contact one of the Project Team Members identified below:

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Matt Senior, M.A.Sc., P.Eng.
Associate Engineer – Water Resources
WSP E&I Canada Limited
matt.senior@wsp.com
905-335-2353 (Ex. 3080)

This Notice was first issued March 16, 2023.

Comments and Information is collected in accordance with the Municipal Act, s.11. With the exception of personal information, all comments will become part of public record. If you have any questions regarding the collection of the information, please contact Ryan Maiden, Water and Wastewater Capital Project Manager 519-846-9691 x259

Centre Wellington

March 16, 2023

Raechelle Williams
Environmental Supervisor
Haudenosaunee Development Institute
janicewilliams@hdi.land

Dear Ms. Williams:

Re: Notice of Study Commencement - Stormwater Management Master Plan for the Township of Centre Wellington

The Township of Centre Wellington (the Township) has initiated a Municipal Class Environmental Assessment Study Master Plan to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that the stormwater (runoff generated by rainfall and snowmelt) is effectively managed (Project). The Study Area is shown in the figure below.

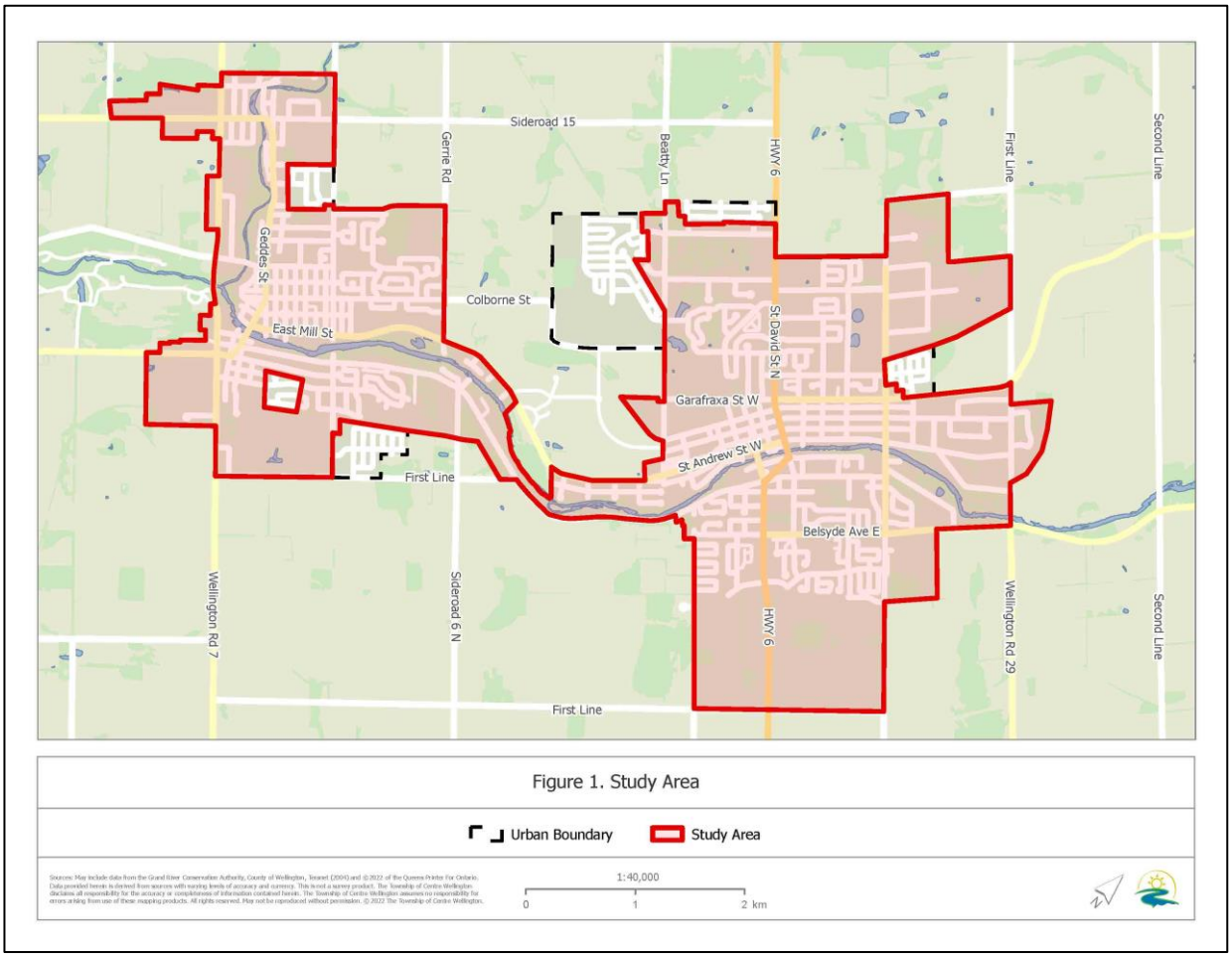


Figure 1. Study Area

The Study Process

The Study is being conducted in accordance with Master Plan process of the Municipal Class Environmental Assessment (October 2000, as amended) process. This notice signals the commencement of the Municipal Class Environmental Assessment (MCEA) Study. The MCEA Study help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. As the study progresses, updates and documentation will be posted on the project webpage: **Connectcw.ca/SWM-Master-Plan**.

Consultation

The Township has received direction from the Provincial Crown that the Haudenosaunee Development Institute may have an interest in the Project. The Township is committed to involving Indigenous Nations in this Project. Attached is the Notice of Study Commencement. Please feel free to share this information within your community as you feel appropriate. The tentative schedule and milestones in the Project include the following:

- Public Information Centre #1: Mid 2023
- Public Information Centre #2: Late 2023
- Stormwater Management Master Plan: Early 2024

Details of the Online Open House will be advertised in the ***Wellington Advertiser*** and on ***centrewellington.ca*** closer to the date. We are interested in understanding any interests or questions that the Haudenosaunee Development Institute may have about this Project and if there is a potential for the Project to affect Indigenous and treaty rights. We would also be interested to know if there are any sites of cultural significance to your community within, or adjacent to, the Study Area.

If you would like to meet to discuss the project in more detail, please feel free to contact the undersigned and we will arrange a meeting. We will contact you by email/telephone in the near future to determine your interest in a meeting.

Sincerely,

Ryan Maiden, P.Eng
Water and Wastewater Capital Project Manager
Township of Centre Wellington
RMaiden@centrewellington.ca
519-846-9691 (Ex. 259)

Attachment: Notice of Study Commencement

Information will be collected in accordance with the *Municipal Freedom of Information and Protection of Privacy Ac*t. With the exception of personal information, all comments will become part of the public record. If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed above.

From: Talpur, Mir Ahsan Ali
To: Raechelle Williams (raechellewilliams@hdi.land)
Cc: Ryan Maiden; Senior, Matthew; Ramlogan Murphy, Vijanti
Subject: Township of Centre Wellington SWM Master Plan - Public Information Centre #2
Date: Wednesday, February 14, 2024 9:01:54 AM
Attachments: CW Stormwater Management Master Plan - Notice of PIC #2.pdf
image001.png
image002.png

Good morning Raechelle,

The Township of Centre Wellington is conducting a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. Public Information Centre #2 is being planned to present the Preferred Stormwater Management Strategy for the Township.

We would like to share with you the attached Notice of Public Information Centre #2. This event is being hosted in both, in-person and virtual formats starting Wednesday, February 21, 2024. Please refer to the attached notice for more information on how to review project information.

If you have any questions or comments regarding this project, feel free to reach out to us.

Sincerely,

Mir

Mir Ahsan Talpur, RPP, MCIP, EP
Senior Environmental Planner
EIA - Environmental Permitting & Compliance, Ontario
He/Him
M+ 1 647-545-8974

WSP Canada Inc.

Vacation Altert: I will be off from March 1 to March 12 (inclusive)

From: Ramlogan, Vijanti <vijanti.ramlogan@wsp.com>
Sent: Tuesday, October 17, 2023 3:50 PM
To: Raechelle Williams (raechellewilliams@hdi.land) <raechellewilliams@hdi.land>
Cc: Ryan Maiden <RMaiden@centrewellington.ca>; Talpur, Mir <mir.talpur@wsp.com>; Senior, Matt <matt.senior@wsp.com>; Shams, Aniqa <aniqa.shams@wsp.com>
Subject: RE: Township of Centre Wellington, MEA Class EA, SWM Master Plan for Fergus and Elora, Notice of PIC#1

Good afternoon, Raechelle,

The Township of Centre Wellington has initiated a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan.

The purpose of this email is to share with you the attached Notice of Public Information Centre #1. This event is being hosted in both, in-person and virtual formats starting October 19, 2023. Please refer to the attached notice for more information.

Truly,
Vijanti

Vijanti Ramlogan
Social Sciences and Engagement Consultant
Hon.BSc., MESc.
(she/her/hers)

M+ 1 705-690-6435

WSP E&I Canada Limited
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Please find attached a letter and the Notice of Study Commencement for this Class EA Study. This noticed is being distributed to the public, government agencies, Indigenous Nations and key stakeholders via publication in the local newspaper, posting on the Township's website and email circulation. There is also a project webpage at connectCW.ca

We are interested in understanding any interests or questions that the Haudenosaunee Development Institute may have regarding this project and if there is a potential for the Project to affect Indigenous and treaty rights. If you would like to meet to discuss the project in more detail, please feel free to contact me and we will arrange a virtual meeting.

Regards,

Ryan Maiden, P.Eng | Water and Wastewater Capital Project Manager

Township of Centre Wellington | 1 MacDonald Square, Elora, ON N0B 1S0
Office: 519.846.9691 x259 centrewellington.ca
Cell: 226.378.4476
Office located at: 7444 Wellington Road 21, Elora, ON N0B 1S0

Notice of Public Information Centre #2
Stormwater Management Master Plan for the Township of Centre Wellington

The Project

The Township of Centre Wellington is conducting a Municipal Class Environmental Assessment Study to prepare a Stormwater Management Master Plan for the communities of Fergus and Elora to ensure that stormwater (runoff generated by rainfall and snowmelt) is effectively managed. This assessment will help identify the capacities and constraints of the existing stormwater management system, evaluate opportunities to improve conveyance and water quantity and quality control, and provide short- and long-range planning alternatives to improve the Township's stormwater infrastructure including an implementation plan. The Study Area for this assessment is shown below:

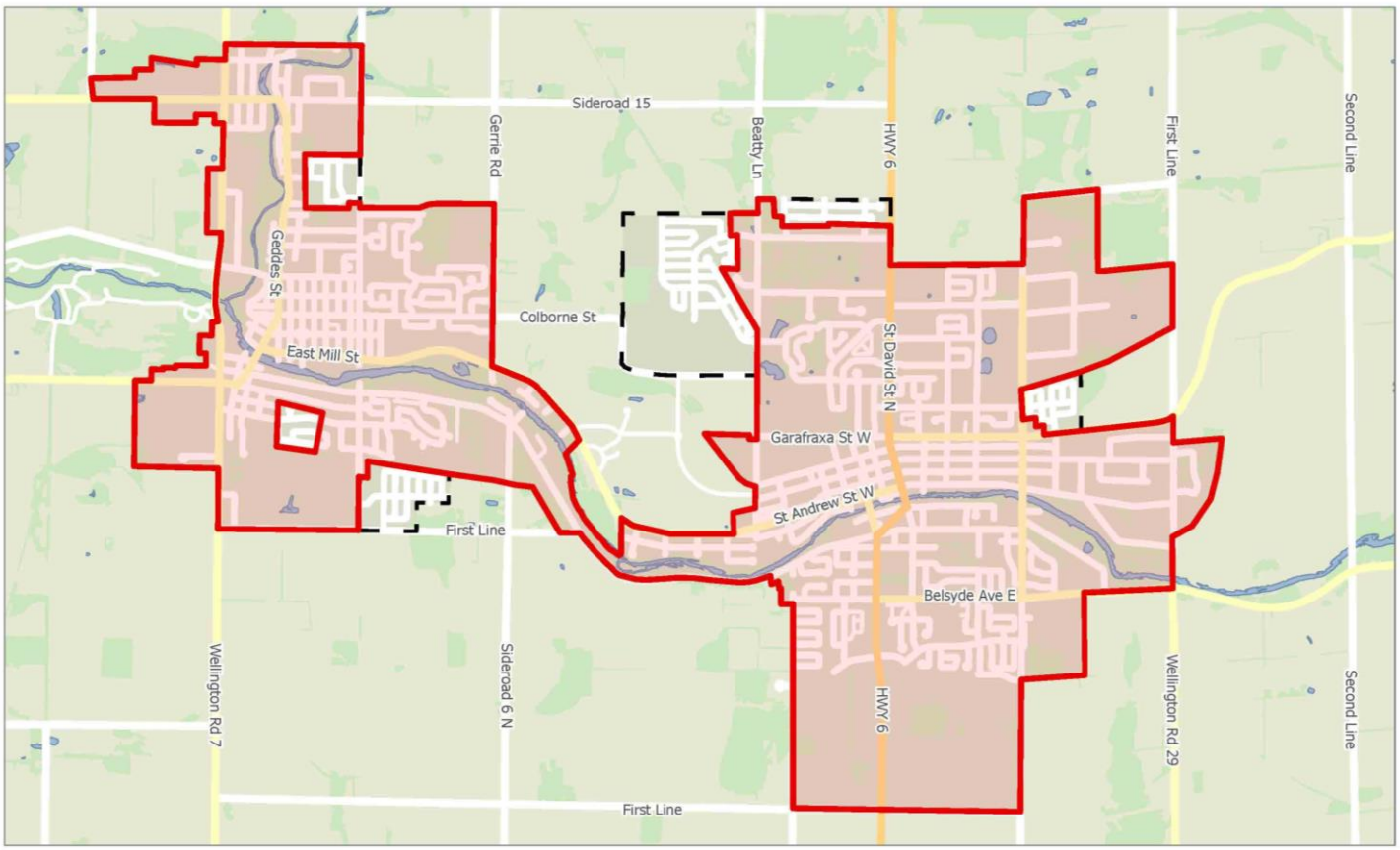


Figure 1. Study Area

The Study Process

This study is being carried out in accordance with the requirements for Master Plans as outlined in the Municipal Engineers Association's Municipal Class Environmental Assessment (Class EA) document (amended in 2023). This study will address Phases 1 and 2 of the Municipal Class EA process to identify any problems or opportunities within Township's Stormwater Management System, identify alternative solutions and establish preferred solutions.

You are Invited to Participate

A key component of this Municipal Class EA Study is consultation with the Indigenous Communities, the public, government agencies and interested stakeholders. Two (2) Public Information Centres are planned to share study information and to provide an opportunity to receive feedback on the study finding and recommendations.

to Public Information Centre #1 was held from October 19, 2023 November 2, 2023 to introduce the Master Plan Study, share preliminary findings and gather feedback on the key areas of concerns related to stormwater management within the Township.

Public Information Centre #2 is being held to present the Preferred Stormwater Management Strategy for the Township (communities of Fergus and Elora). The Preferred Stormwater Management Strategy is intended to most effectively manage stormwater flow characteristics (primarily conveyance system upgrades) and present the long-term associated costs.

This PIC is being hosted in two formats:

In-person Open House: The Township will be hosting an In-person Open House on Wednesday, February 21, 2024, from 6pm – 8 pm at the Jefferson Elora Community Centre. Interested individuals are invited to attend this event where they will have the opportunity to meet with team members of the Stormwater Management Master Plan Study Team.

Virtual Information: In addition to the in-person event, a project presentation package will be made available on Township's community engagement platform, Connect CW, starting Wednesday, February 21, 2024. Interested individuals are invited to review this information on their own time and submit any comments by Thursday, March 7, 2024. The project presentation package and online comment form will be available on: https://www.connectcw.ca/swm-master-plan

Alternatively, you may contact one of the Project Team Members identified below to submit any questions or comments:

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Water and Wastewater Capital Project Manager
Township of Centre Wellington
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Associate Engineer – Water Resources
WSP Canada Inc.
matt.senior@wsp.com
905-335-2353

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APPENDIX

B Field Monitoring Program

Figure B1: Cumulative Precipitation for Monitoring Period

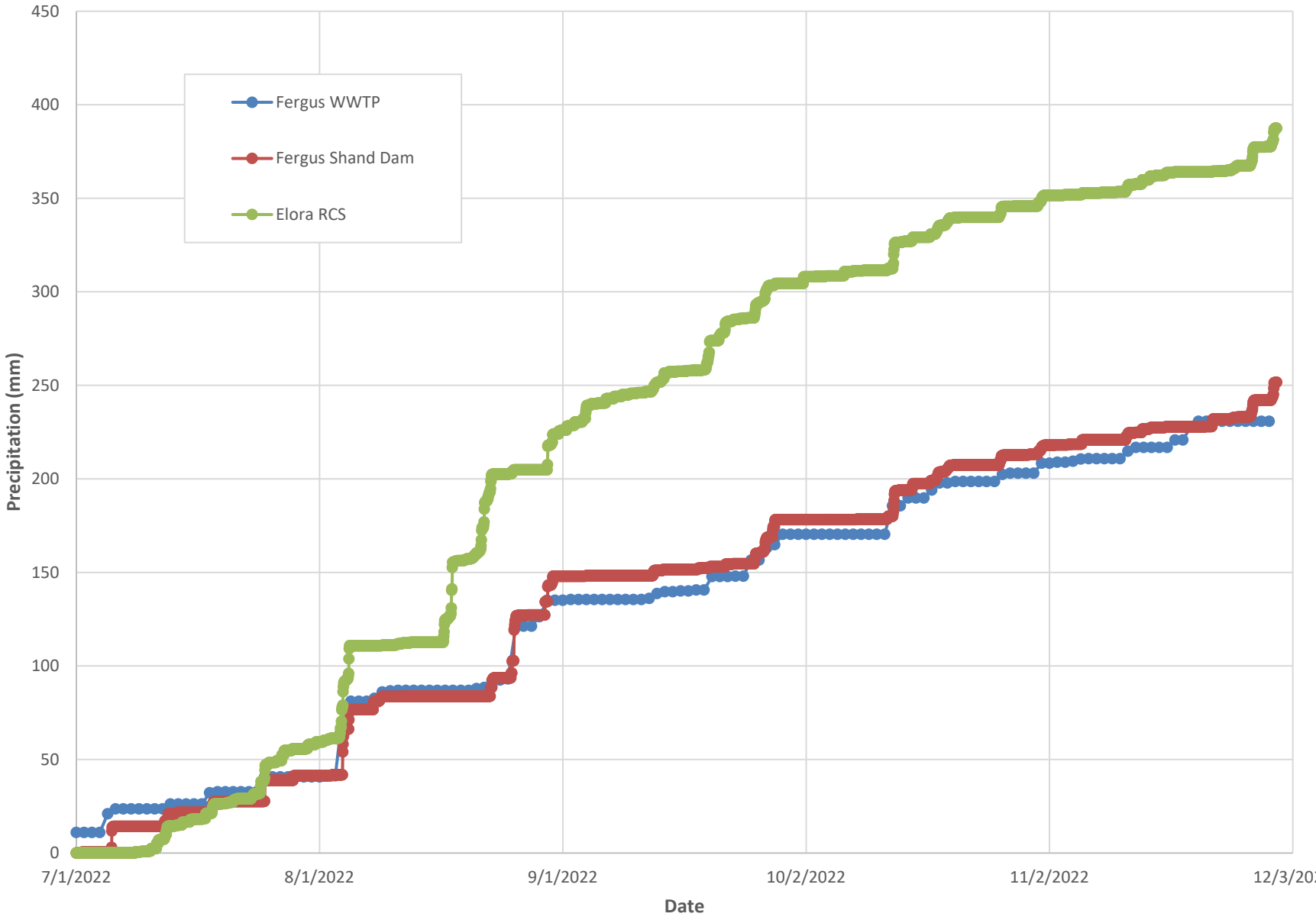


Figure B2a: Water Level Recorded at "E01" for 2022

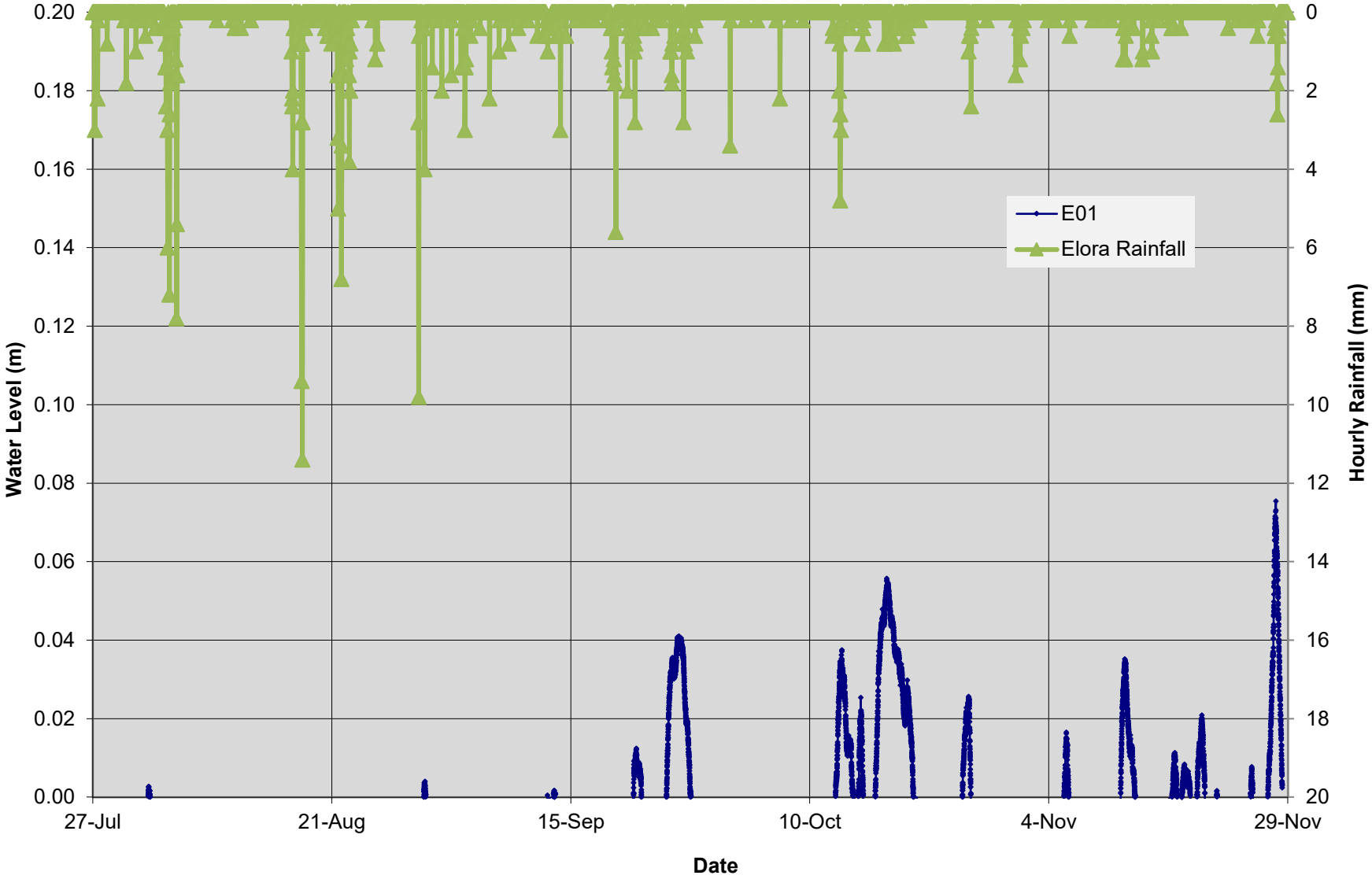


Figure B2b: Water Level Recorded at "E05" for 2022

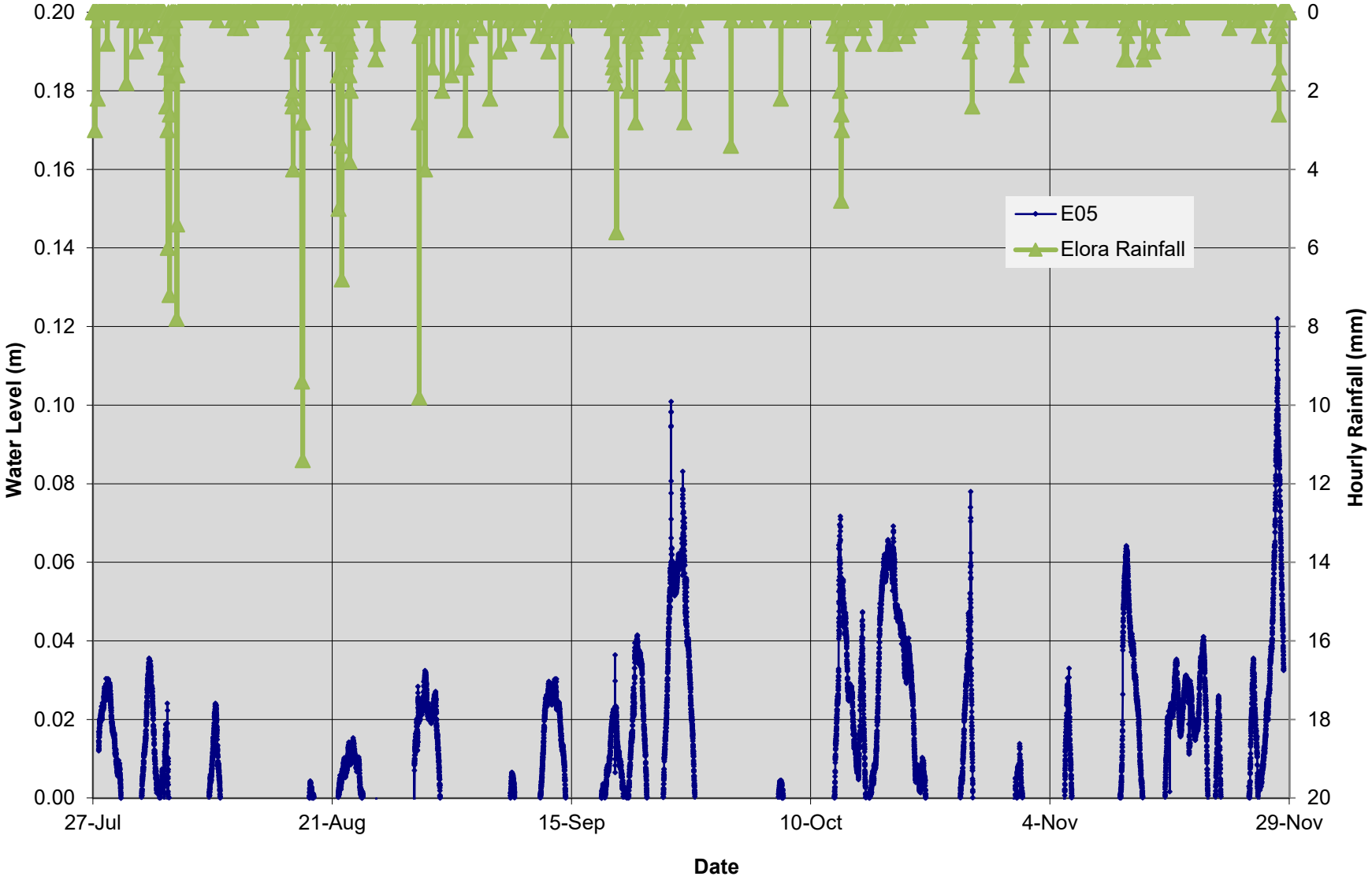


Figure B2c: Water Level Recorded at "E06" for 2022

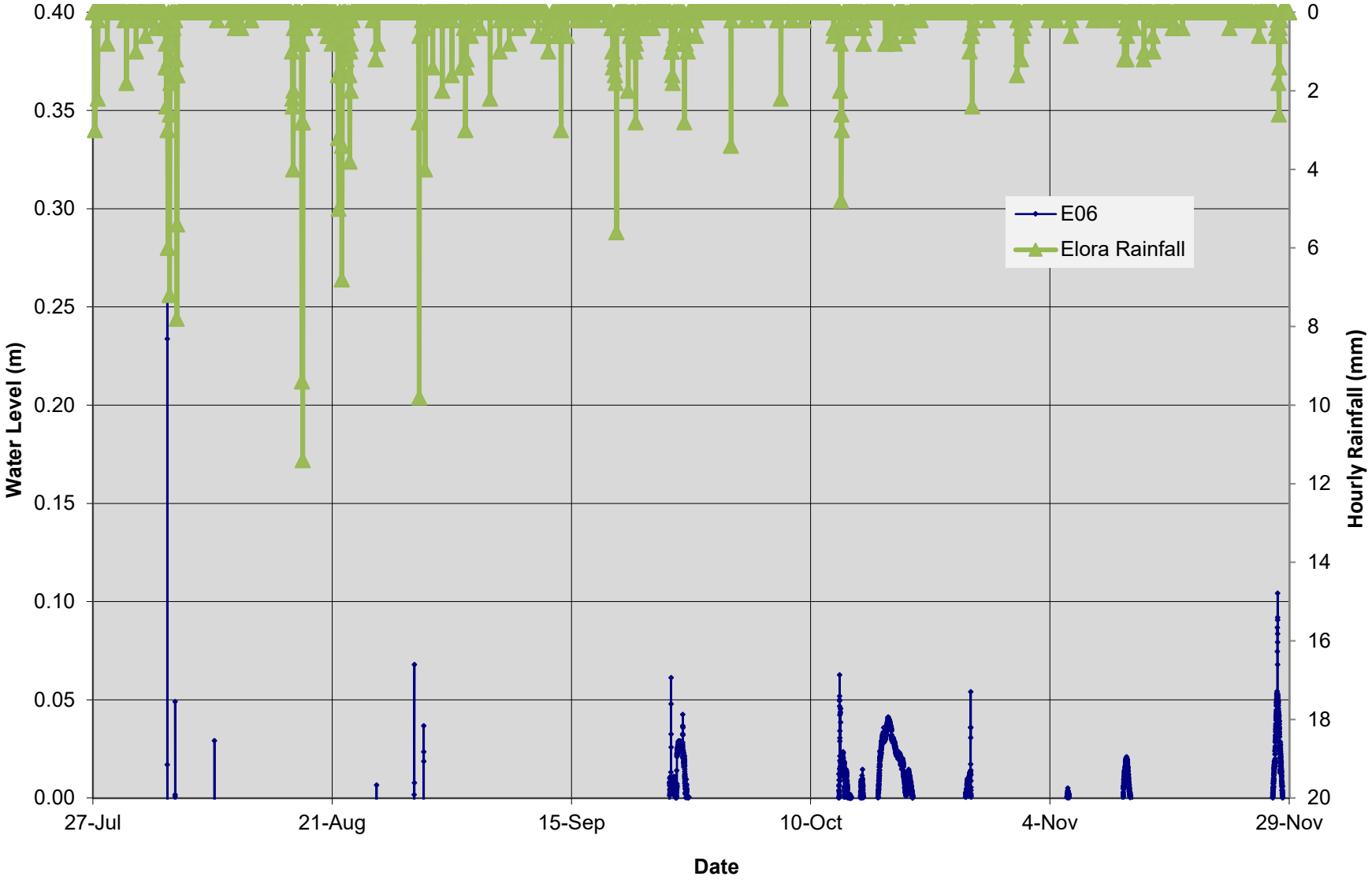


Figure B2d: Water Level Recorded at "E07" for 2022

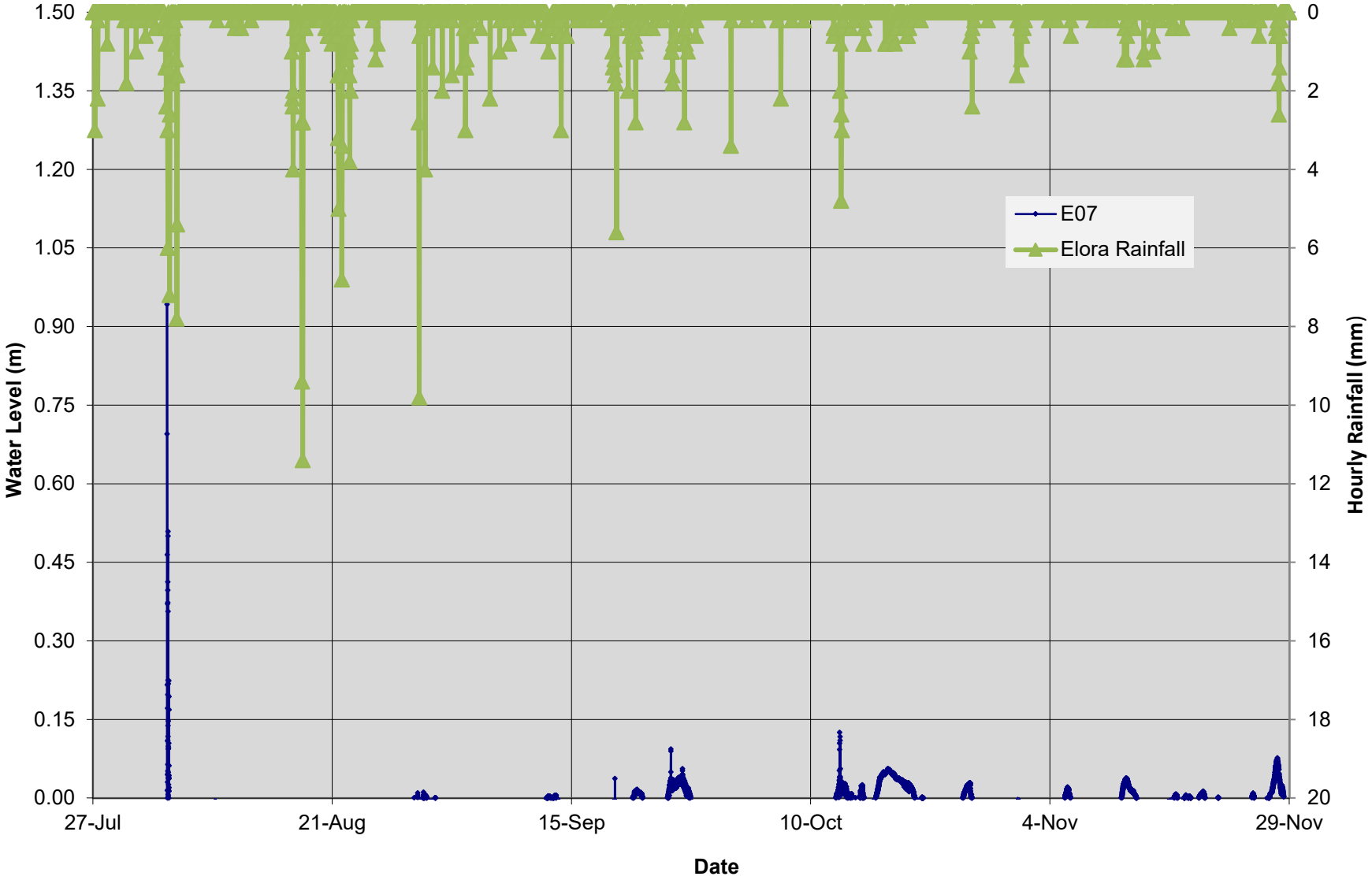


Figure B2e: Water Level Recorded at "F03 Pond" for 2022

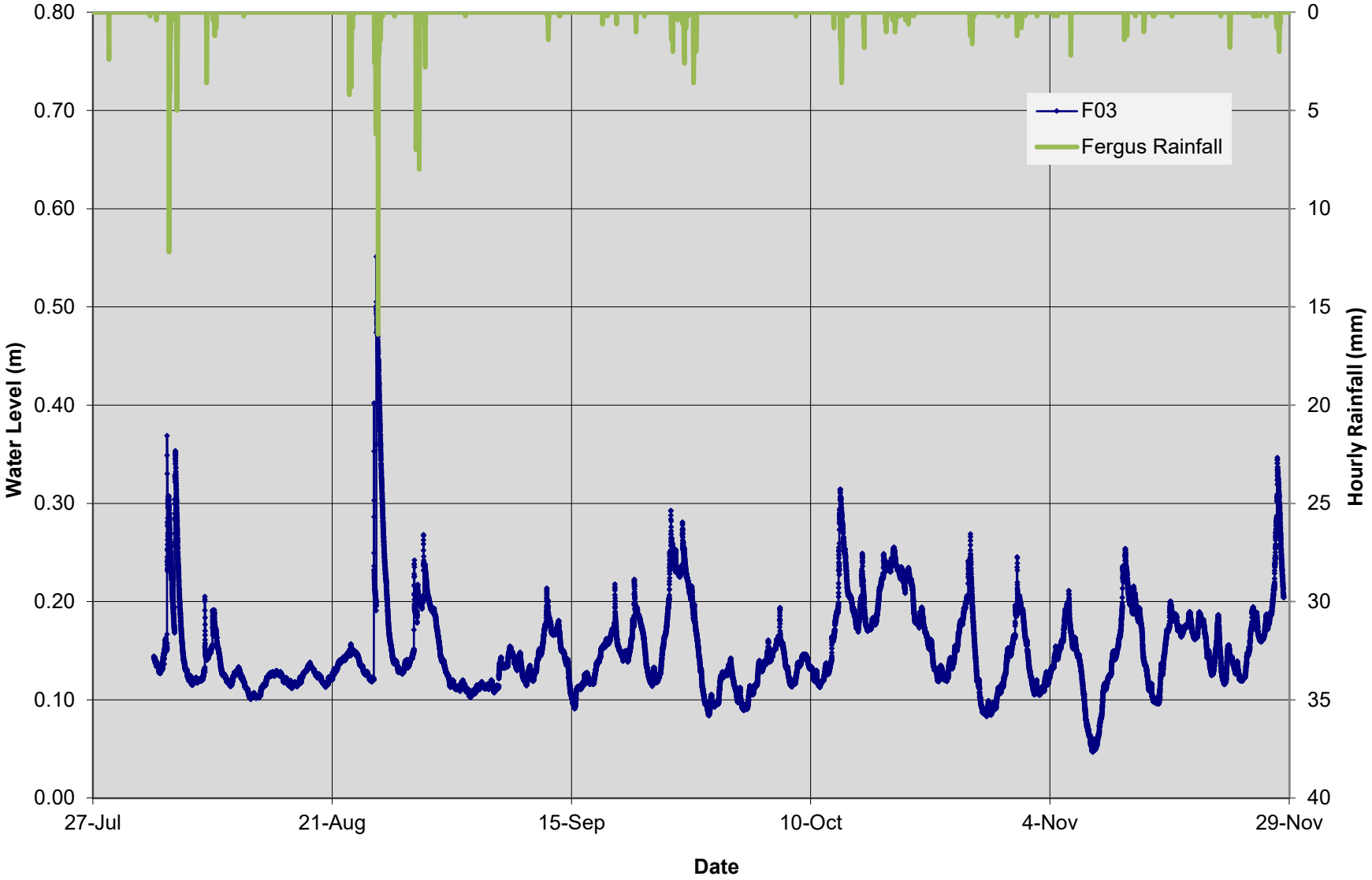


Figure B2f: Water Level Recorded at "F08" for 2022

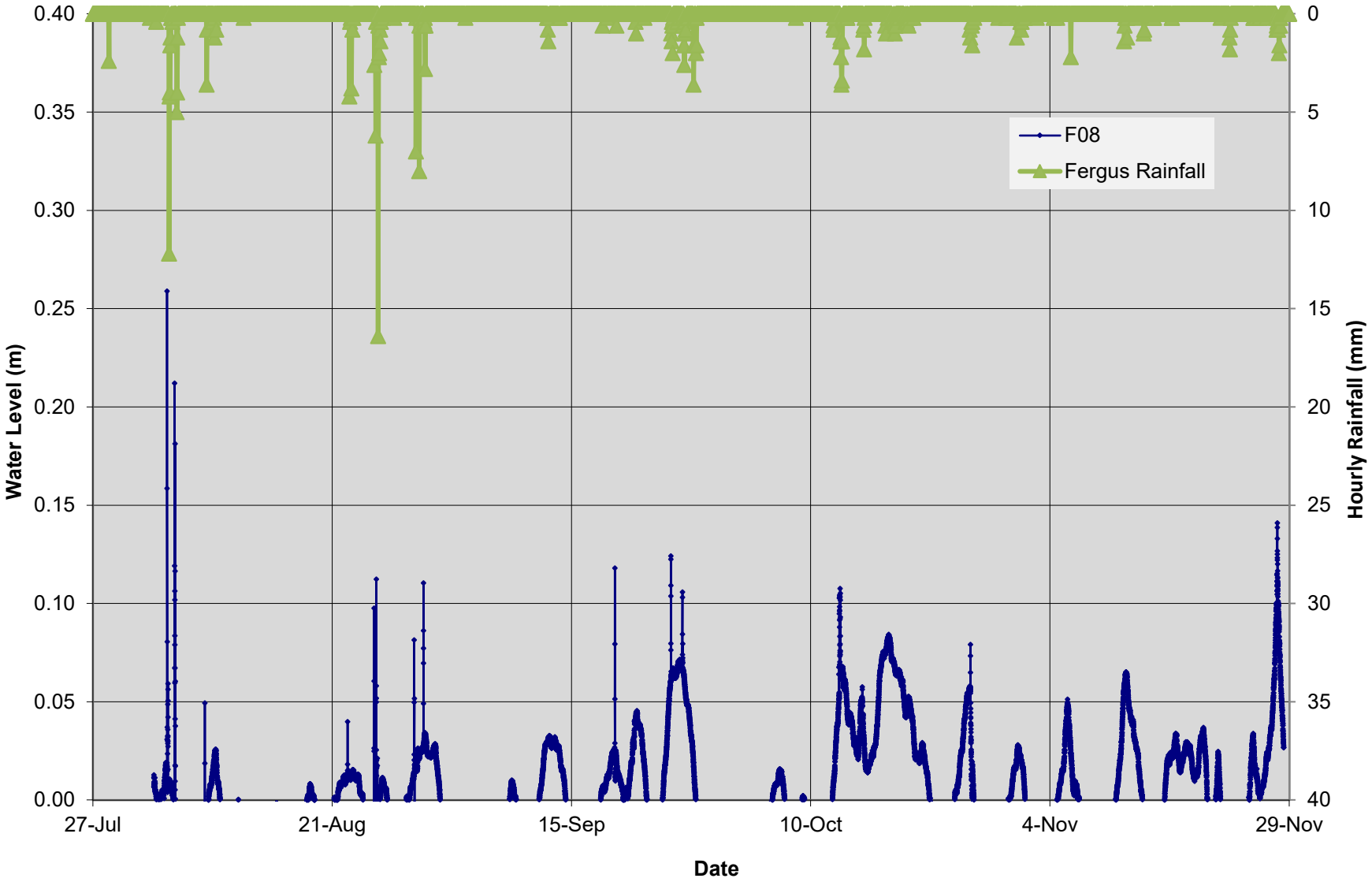


Figure B2g: Water Level Recorded at "F09" for 2022

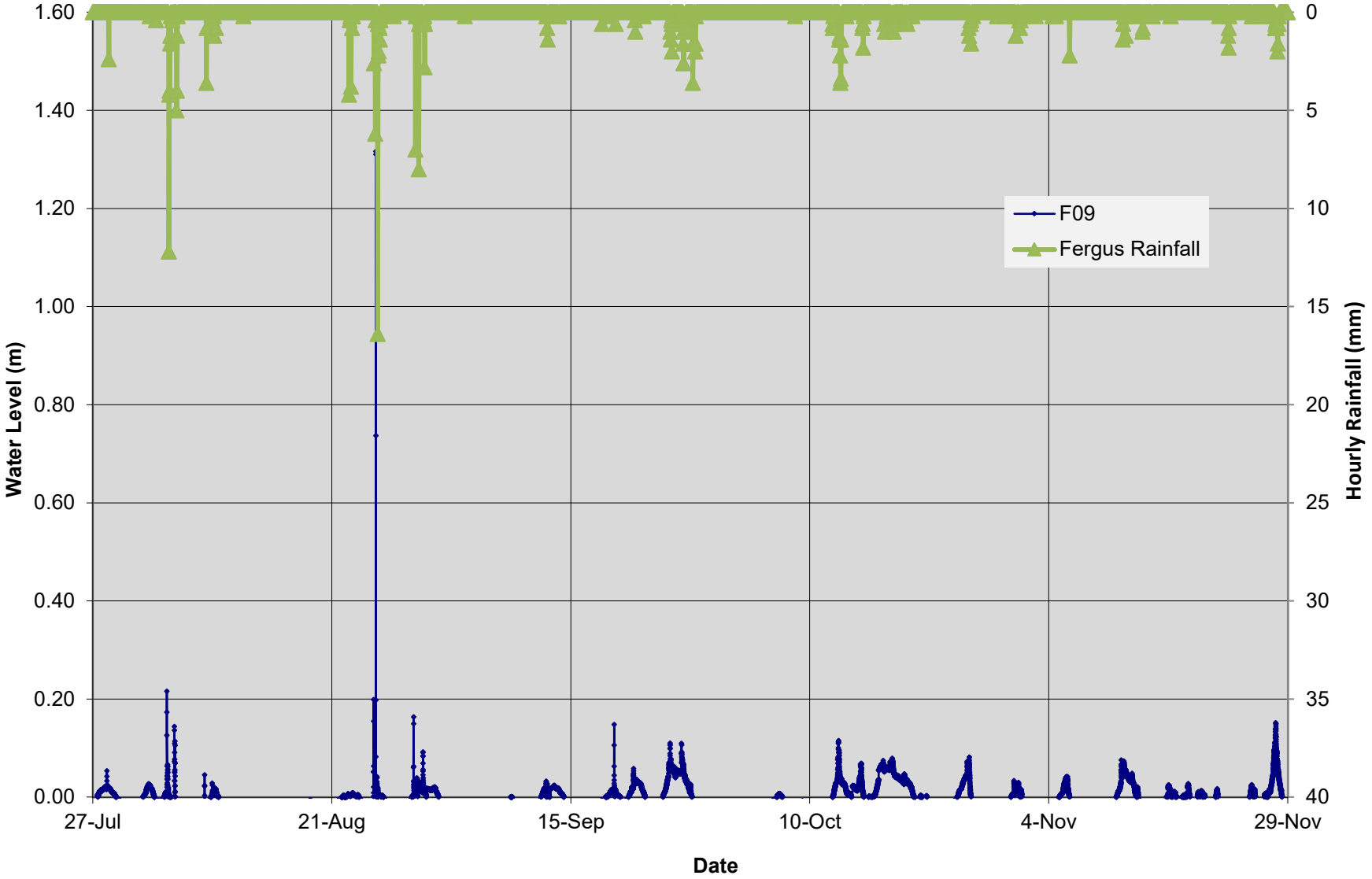


Figure B2h: Water Level Recorded at "F11" for 2022

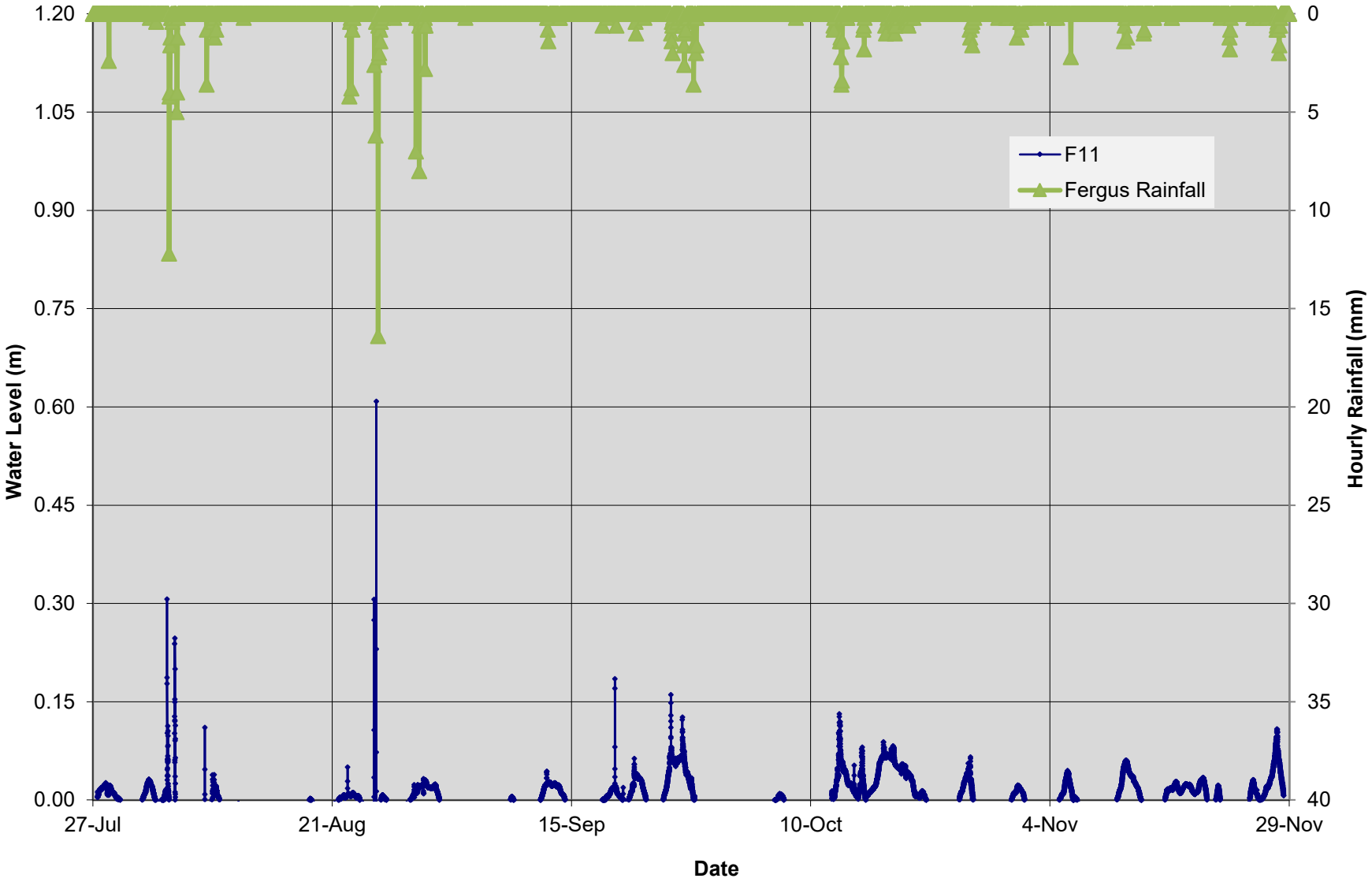


Figure B2i: Water Level Recorded at "F16a" for 2022

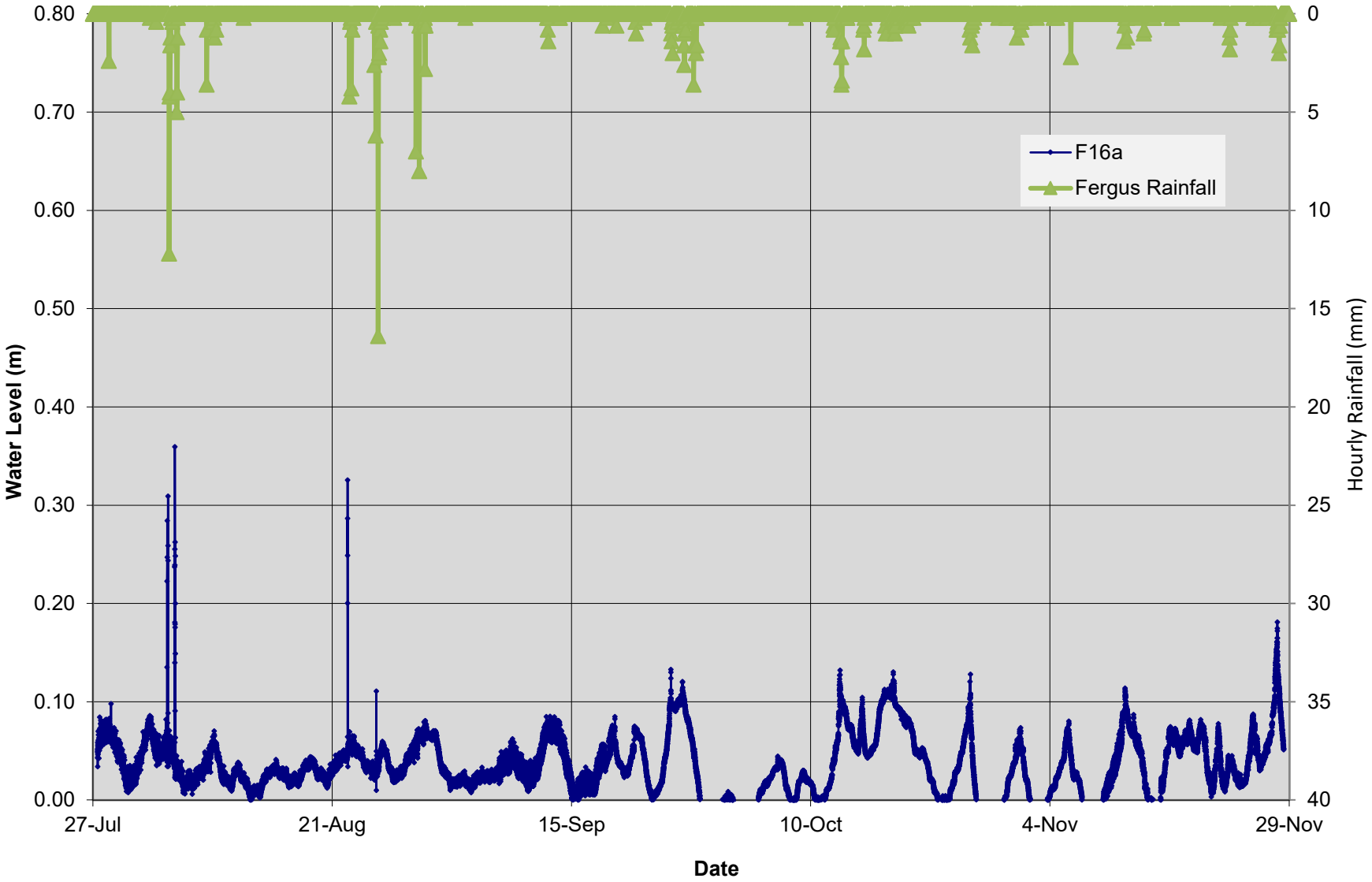
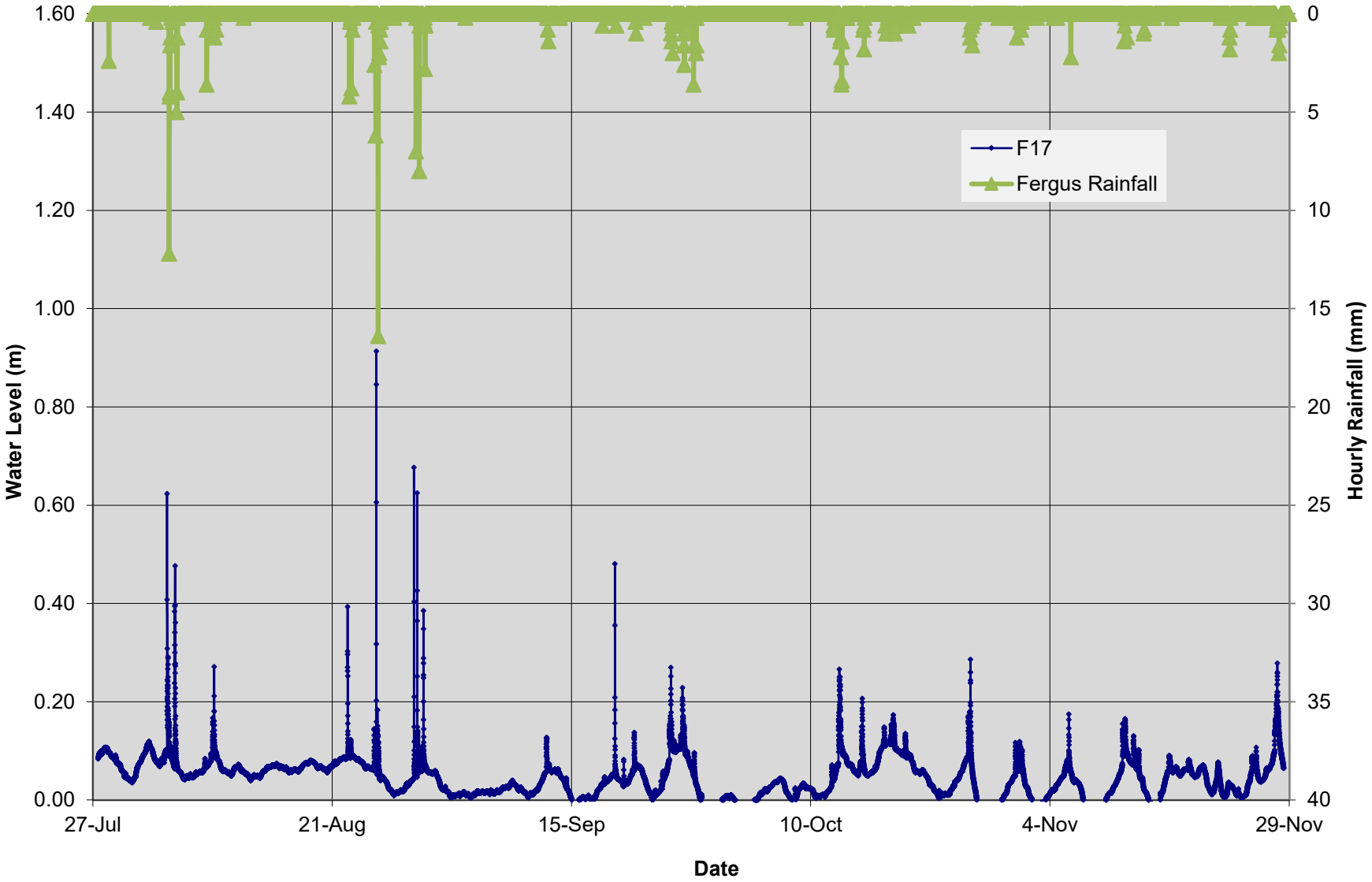


Figure B2j: Water Level Recorded at "F17" for 2022

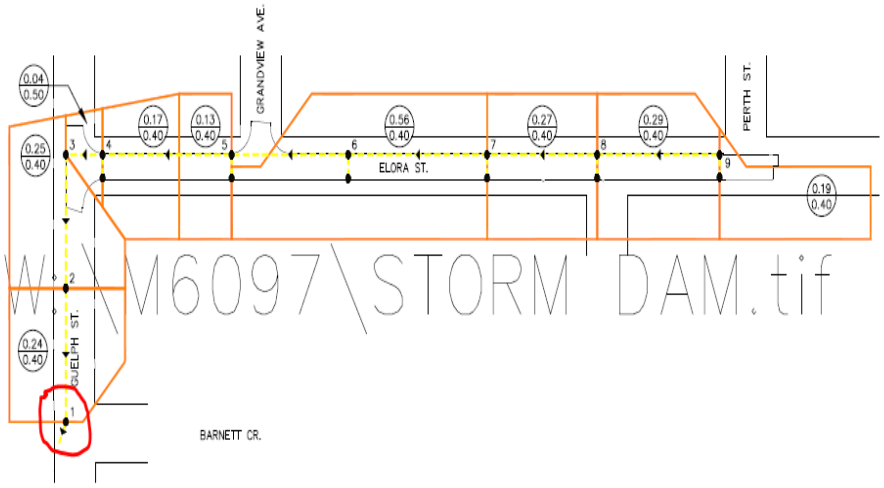


APPENDIX

C Modelling Setup and Validation

Elora St Fergus

TOWNSHIP OF CENTRE WELLINGTON
PROPOSED RECONSTRUCTION OF ELORA STREET (FERGUS)



W:\M6097\STORM DAM.tif

STORM DRAINAGE AREA MAP

JUNE 2008

SCALE 1:500

M6097A

Figure 1

LEGEND:

3.66 / 0.40 — AREA IN HECTARES / RUNOFF COEFFICIENT

1 — 2 — PROPOSED STORM SEWER

PROPOSED MANHOLE

DIRECTION OF FLOW

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers
Fergus, Ontario

Summary of Elora Validation Results (CN)

Parameters

Average Impervious Area	40
Dstore Imp	1
Dstore Perv	5
CN	79
Infiltration Method	Curve Number

	Q (l/s)
Model	**179**
Design Sheet (Rational Method)	178

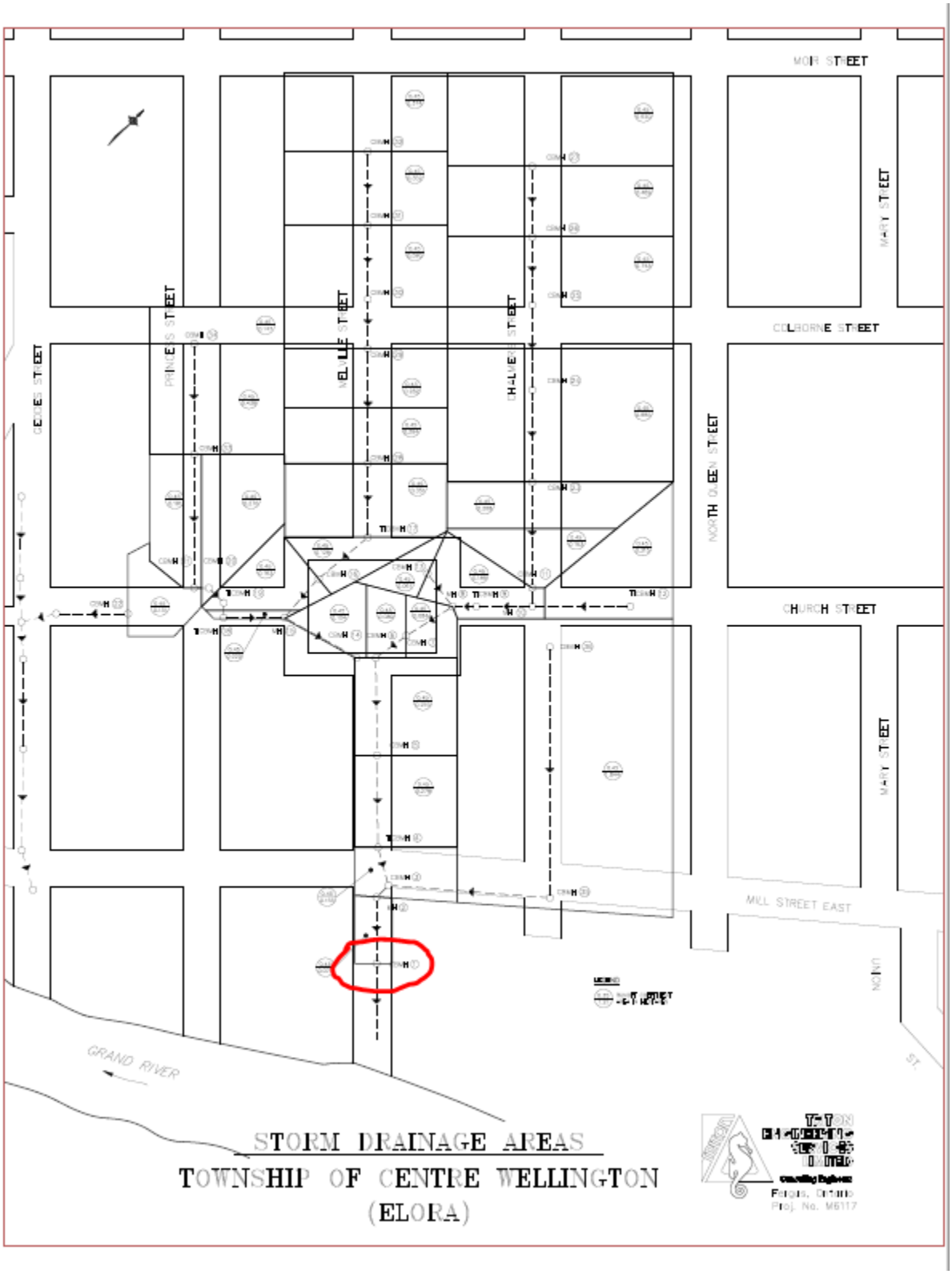
Summary of Elora Validation Results (Modified Green Ampt)

Parameters

Average Impervious Area	40
Dstore Imp	1
Dstore Perv	5
Infiltration Method	Modified Green Ampt

	Q (l/s)
Model	**218**
Design (Rational Method)	178

Church St Elora



Summary of Church St Validation Results (CN)

Parameters

Average Impervious Area	45
Dstore Imp	1
Dstore Perv	5
CN	79

	Q (l/s)
Model	**803**
Design (Rational Method)	1000.5

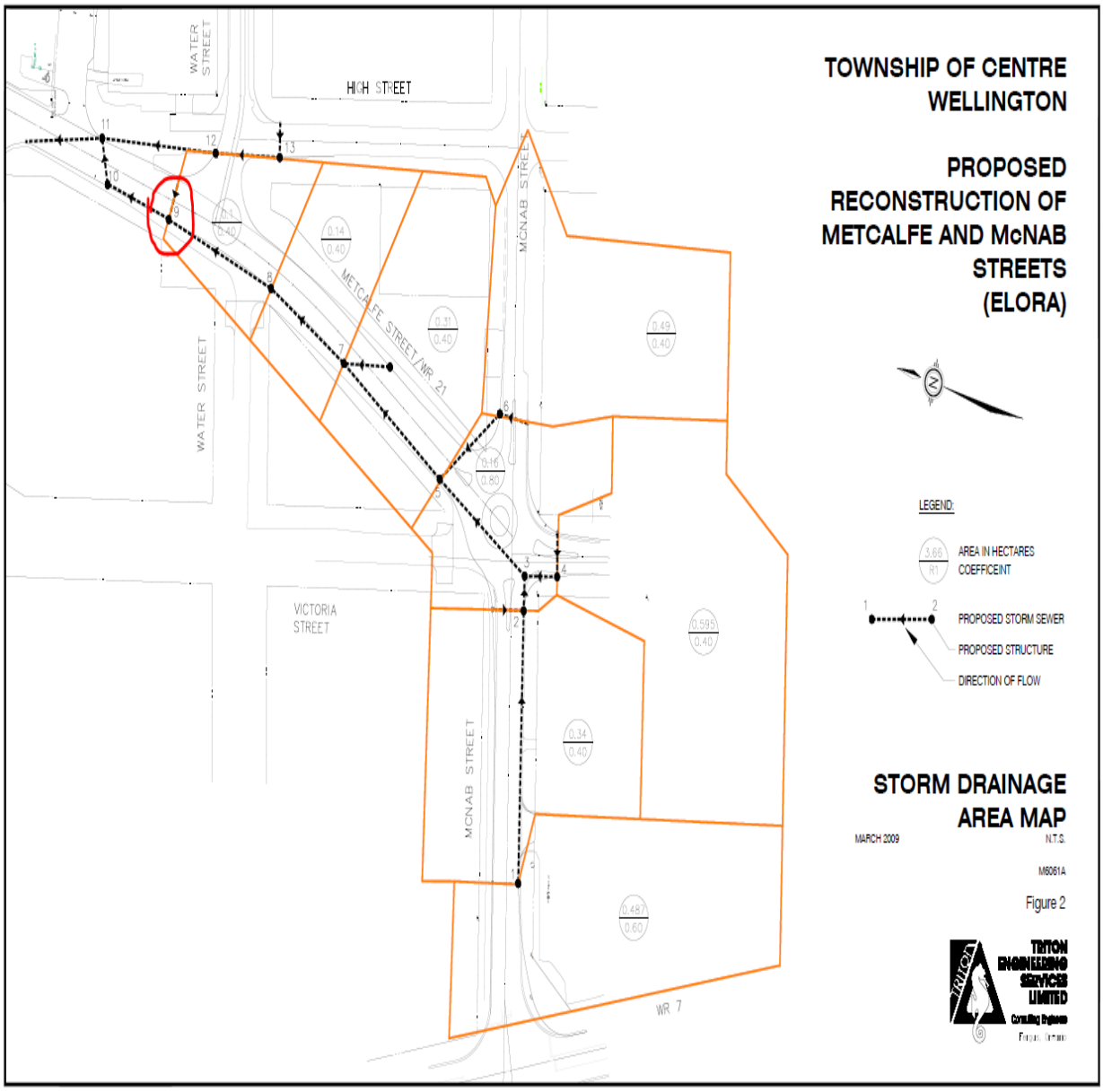
Summary of Church St Validation Results (Modified Green Ampt)

Parameters

Average Impervious Area	45
Dstore Imp	1
Dstore Perv	5
Infiltration Method	Modified Green Ampt

	Q (l/s)
Model	**934**
Design (Rational Method)	1000.5

McNaab St Elora



Summary of McNaab St Elora Validation Results (CN)

Parameters

Average Impervious Area	50
Dstore Imp	1
Dstore Perv	5
Infiltration Method	CN
CN	79

	Q (l/s)
Model	**430**
Design Sheet (Rational Method)	311.5

Summary of McNaab St Elora Validation Results (Modified Green Ampt)

Parameters

Average Impervious Area	50
Dstore Imp	1
Dstore Perv	5
Infiltration Method	Modified Green Ampt

	Q (l/s)
Model	**509**
Design (Rational Method)	311.5

APPENDIX

D Climate Change Data Analysis

EXISTING RESULTS

Duration	Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	132.3	174.4	202.2	237.4	263.6	289.7
10 min	81.5	107.4	124.6	146.3	162.3	178.4
15 min	61.4	80.9	93.8	110.2	122.3	134.4
30 min	37.8	49.8	57.8	67.9	75.3	82.8
1 hr	23.3	30.7	35.6	41.8	46.4	51
2 hr	14.4	18.9	21.9	25.7	28.6	31.4
6 hr	6.7	8.8	10.2	11.9	13.3	14.6
12 hr	4.1	5.4	6.3	7.4	8.2	9
24 hr	2.5	3.3	3.9	4.5	5	5.5

EXISTING RESULTS

Duration	Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	11.03	14.53	16.85	19.78	21.97	24.14
10 min	13.58	17.90	20.77	24.38	27.05	29.73
15 min	15.35	20.23	23.45	27.55	30.58	33.60
30 min	18.90	24.90	28.90	33.95	37.65	41.40
1 hr	23.30	30.70	35.60	41.80	46.40	51.00
2 hr	28.80	37.80	43.80	51.40	57.20	62.80
6 hr	40.20	52.80	61.20	71.40	79.80	87.60
12 hr	49.20	64.80	75.60	88.80	98.40	108.00
24 hr	60.00	79.20	93.60	108.00	120.00	132.00

MTO

Duration	Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	139.0	181.0	208.9	244.1	270.2	295.8
10 min	86.3	112.1	129.3	151.0	167.1	182.8
15 min	65.3	84.8	97.7	114.0	126.2	138.0
30 min	40.6	52.6	60.5	70.6	78.1	85.4
1 hr	25.3	32.7	37.6	43.8	48.4	52.9
2 hr	15.7	20.3	23.3	27.1	30.0	32.7
6 hr	7.5	9.6	11.0	12.8	14.1	15.4
12 hr	4.7	6.0	6.8	7.9	8.7	9.5
24 hr	2.9	3.7	4.3	4.9	5.4	5.9

MTO

Duration	Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	11.60	15.10	17.40	20.30	22.50	24.60
10 min	14.40	18.70	21.60	25.20	27.90	30.50
15 min	16.30	21.20	24.40	28.50	31.60	34.50
30 min	20.30	26.30	30.30	35.30	39.00	42.70
1 hr	25.30	32.70	37.60	43.80	48.40	52.90
2 hr	31.40	40.60	46.60	54.20	60.00	65.40
6 hr	45.00	57.60	66.00	76.80	84.60	92.40
12 hr	56.40	72.00	81.60	94.80	104.40	114.00
24 hr	69.60	88.80	103.20	117.60	129.60	141.60

ABSOLUTE DIFFERENCE

Duration	Difference in Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	6.7	6.6	6.7	6.7	6.6	6.1
10 min	4.8	4.7	4.7	4.7	4.8	4.4
15 min	3.9	3.9	3.9	3.8	3.9	3.6
30 min	2.8	2.8	2.7	2.7	2.8	2.6
1 hr	2	2	2	2	2	1.9
2 hr	1.3	1.4	1.4	1.4	1.4	1.3
6 hr	0.8	0.8	0.8	0.9	0.8	0.8
12 hr	0.6	0.6	0.5	0.5	0.5	0.5
24 hr	0.4	0.4	0.4	0.4	0.4	0.4

ABSOLUTE DIFFERENCE

Duration	Difference in Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	0.57	0.57	0.55	0.52	0.53	0.46
10 min	0.82	0.80	0.83	0.82	0.85	0.77
15 min	0.95	0.97	0.95	0.95	1.03	0.90
30 min	1.40	1.40	1.40	1.35	1.35	1.30
1 hr	2.00	2.00	2.00	2.00	2.00	1.90
2 hr	2.60	2.80	2.80	2.80	2.80	2.60
6 hr	4.80	4.80	4.80	5.40	4.80	4.80
12 hr	7.20	7.20	6.00	6.00	6.00	6.00
24 hr	9.60	9.60	9.60	9.60	9.60	9.60

PERCENT DIFFERENCE

Duration	Difference in Rainfall Intensity by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	5%	4%	3%	3%	3%	2%
10 min	6%	4%	4%	3%	3%	2%
15 min	6%	5%	4%	3%	3%	3%
30 min	7%	6%	5%	4%	4%	3%
1 hr	9%	7%	6%	5%	4%	4%
2 hr	9%	7%	6%	5%	5%	4%
6 hr	12%	9%	8%	8%	6%	5%
12 hr	15%	11%	8%	7%	6%	6%
24 hr	16%	12%	10%	9%	8%	7%

PERCENT DIFFERENCE

Duration	Difference in Rainfall Depth by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	5%	4%	3%	3%	2%	2%
10 min	6%	4%	4%	3%	3%	3%
15 min	6%	5%	4%	3%	3%	3%
30 min	7%	6%	5%	4%	4%	3%
1 hr	9%	7%	6%	5%	4%	4%
2 hr	9%	7%	6%	5%	5%	4%
6 hr	12%	9%	8%	8%	6%	5%
12 hr	15%	11%	8%	7%	6%	6%
24 hr	16%	12%	10%	9%	8%	7%

EXISTING RESULTS

Duration	Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	132.3	174.4	202.2	237.4	263.6	289.7
10 min	81.5	107.4	124.6	146.3	162.3	178.4
15 min	61.4	80.9	93.8	110.2	122.3	134.4
30 min	37.8	49.8	57.8	67.9	75.3	82.8
1 hr	23.3	30.7	35.6	41.8	46.4	51
2 hr	14.4	18.9	21.9	25.7	28.6	31.4
6 hr	6.7	8.8	10.2	11.9	13.3	14.6
12 hr	4.1	5.4	6.3	7.4	8.2	9
24 hr	2.5	3.3	3.9	4.5	5	5.5

EXISTING RESULTS

Duration	Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	11.03	14.53	16.85	19.78	21.97	24.14
10 min	13.58	17.90	20.77	24.38	27.05	29.73
15 min	15.35	20.23	23.45	27.55	30.58	33.60
30 min	18.90	24.90	28.90	33.95	37.65	41.40
1 hr	23.30	30.70	35.60	41.80	46.40	51.00
2 hr	28.80	37.80	43.80	51.40	57.20	62.80
6 hr	40.20	52.80	61.20	71.40	79.80	87.60
12 hr	49.20	64.80	75.60	88.80	98.40	108.00
24 hr	60.00	79.20	93.60	108.00	120.00	132.00

OCCDP

Duration	Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	52.25	92.52	119.18	152.87	177.87	202.68
10 min	40.54	71.78	92.47	118.61	138	157.25
15 min	34.23	60.62	78.09	100.16	116.53	132.79
30 min	23.72	42.01	54.11	69.41	80.76	92.02
1 hr	15.01	26.59	34.25	43.93	51.11	58.24
2 hr	11.48	19.69	25.13	32	37.1	42.16
6 hr	6.08	9.59	11.92	14.87	17.05	19.22
12 hr	3.55	5.18	6.25	7.61	8.62	9.62
24 hr	2.35	3.3	3.93	4.73	5.33	5.91

OCCDP

Duration	Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	4.35	7.71	9.93	12.74	14.82	16.89
10 min	6.76	11.96	15.41	19.77	23.00	26.21
15 min	8.56	15.16	19.52	25.04	29.13	33.20
30 min	11.86	21.01	27.06	34.71	40.38	46.01
1 hr	15.01	26.59	34.25	43.93	51.11	58.24
2 hr	22.96	39.38	50.26	64.00	74.20	84.32
6 hr	36.48	57.54	71.52	89.22	102.30	115.32
12 hr	42.60	62.16	75.00	91.32	103.44	115.44
24 hr	56.40	79.20	94.32	113.52	127.92	141.84

ABSOLUTE DIFFERENCE

Duration	Difference in Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-80.05	-81.88	-83.02	-84.53	-85.73	-87.02
10 min	-40.96	-35.62	-32.13	-27.69	-24.3	-21.15
15 min	-27.17	-20.28	-15.71	-10.04	-5.77	-1.61
30 min	-14.08	-7.79	-3.69	1.51	5.46	9.22
1 hr	-8.29	-4.11	-1.35	2.13	4.71	7.24
2 hr	-2.92	0.79	3.23	6.3	8.5	10.76
6 hr	-0.62	0.79	1.72	2.97	3.75	4.62
12 hr	-0.55	-0.22	-0.05	0.21	0.42	0.62
24 hr	-0.15	0	0.03	0.23	0.33	0.41

ABSOLUTE DIFFERENCE

Duration	Difference in Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-6.67	-6.82	-6.92	-7.04	-7.14	-7.25
10 min	-6.83	-5.94	-5.36	-4.62	-4.05	-3.53
15 min	-6.79	-5.07	-3.93	-2.51	-1.44	-0.40
30 min	-7.04	-3.90	-1.85	0.75	2.73	4.61
1 hr	-8.29	-4.11	-1.35	2.13	4.71	7.24
2 hr	-5.84	1.58	6.46	12.60	17.00	21.52
6 hr	-3.72	4.74	10.32	17.82	22.50	27.72
12 hr	-6.60	-2.64	-0.60	2.52	5.04	7.44
24 hr	-3.60	0.00	0.72	5.52	7.92	9.84

PERCENT DIFFERENCE

Duration	Difference in Rainfall Intensity by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-61%	-47%	-41%	-36%	-33%	-30%
10 min	-50%	-33%	-26%	-19%	-15%	-12%
15 min	-44%	-25%	-17%	-9%	-5%	-1%
30 min	-37%	-16%	-6%	2%	7%	11%
1 hr	-36%	-13%	-4%	5%	10%	14%
2 hr	-20%	4%	15%	25%	30%	34%
6 hr	-9%	9%	17%	25%	28%	32%
12 hr	-13%	-4%	-1%	3%	5%	7%
24 hr	-6%	0%	1%	5%	7%	7%

PERCENT DIFFERENCE

Duration	Difference in Rainfall Depth by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-61%	-47%	-41%	-36%	-33%	-30%
10 min	-50%	-33%	-26%	-19%	-15%	-12%
15 min	-44%	-25%	-17%	-9%	-5%	-1%
30 min	-37%	-16%	-6%	2%	7%	11%
1 hr	-36%	-13%	-4%	5%	10%	14%
2 hr	-20%	4%	15%	25%	30%	34%
6 hr	-9%	9%	17%	25%	28%	32%
12 hr	-13%	-4%	-1%	3%	5%	7%
24 hr	-6%	0%	1%	5%	7%	7%

EXISTING RESULTS

Duration	Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	132.3	174.4	202.2	237.4	263.6	289.7
10 min	81.5	107.4	124.6	146.3	162.3	178.4
15 min	61.4	80.9	93.8	110.2	122.3	134.4
30 min	37.8	49.8	57.8	67.9	75.3	82.8
1 hr	23.3	30.7	35.6	41.8	46.4	51
2 hr	14.4	18.9	21.9	25.7	28.6	31.4
6 hr	6.7	8.8	10.2	11.9	13.3	14.6
12 hr	4.1	5.4	6.3	7.4	8.2	9
24 hr	2.5	3.3	3.9	4.5	5	5.5

EXISTING RESULTS

Duration	Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	11.03	14.53	16.85	19.78	21.97	24.14
10 min	13.58	17.90	20.77	24.38	27.05	29.73
15 min	15.35	20.23	23.45	27.55	30.58	33.60
30 min	18.90	24.90	28.90	33.95	37.65	41.40
1 hr	23.30	30.70	35.60	41.80	46.40	51.00
2 hr	28.80	37.80	43.80	51.40	57.20	62.80
6 hr	40.20	52.80	61.20	71.40	79.80	87.60
12 hr	49.20	64.80	75.60	88.80	98.40	108.00
24 hr	60.00	79.20	93.60	108.00	120.00	132.00

UWO IDFCC (GEV DISTRIBUTION)

Duration	Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	125.8	160.5	180.3	203.3	216.3	227.3
10 min	87.2	114.7	131.1	150.8	162.5	171.7
15 min	71.8	96.8	114.2	138.4	154.9	174.1
30 min	45.4	63.9	77.6	98.8	115.1	135.5
1 hr	27.4	40.2	50.1	65.9	79.3	93.3
2 hr	16.7	24.1	29.7	38.4	45.5	53.4
6 hr	7.2	10.0	12.0	14.8	16.8	19.1
12 hr	4.2	5.7	6.7	8.1	9.1	10.3
24 hr	2.5	3.2	3.8	4.5	5.0	5.5

UWO IDFCC (GEV DISTRIBUTION)

Duration	Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	10.48	13.38	15.02	16.94	18.03	18.94
10 min	14.54	19.12	21.86	25.13	27.09	28.61
15 min	17.94	24.21	28.54	34.60	38.71	43.51
30 min	22.71	31.97	38.80	49.42	57.54	67.77
1 hr	27.37	40.23	50.07	65.86	79.29	93.25
2 hr	33.29	48.17	59.38	76.76	90.93	106.78
6 hr	43.18	59.93	71.81	88.55	100.96	114.76
12 hr	50.56	67.87	79.83	97.20	109.55	123.90
24 hr	59.20	77.86	90.36	108.05	119.42	132.62

ABSOLUTE DIFFERENCE

Duration	Difference in Rainfall Intensity (mm/hr) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-6.5	-13.86	-21.95	-34.06	-47.27	-62.39
10 min	5.71	7.31	6.53	4.48	0.24	-6.72
15 min	10.38	15.94	20.37	28.18	32.56	39.66
30 min	7.62	14.14	19.8	30.94	39.78	52.73
1 hr	4.07	9.53	14.47	24.06	32.89	42.25
2 hr	2.25	5.19	7.79	12.68	16.87	21.99
6 hr	0.5	1.19	1.77	2.86	3.53	4.53
12 hr	0.11	0.26	0.35	0.7	0.93	1.33
24 hr	-0.03	-0.06	-0.13	0	-0.02	0.03

ABSOLUTE DIFFERENCE

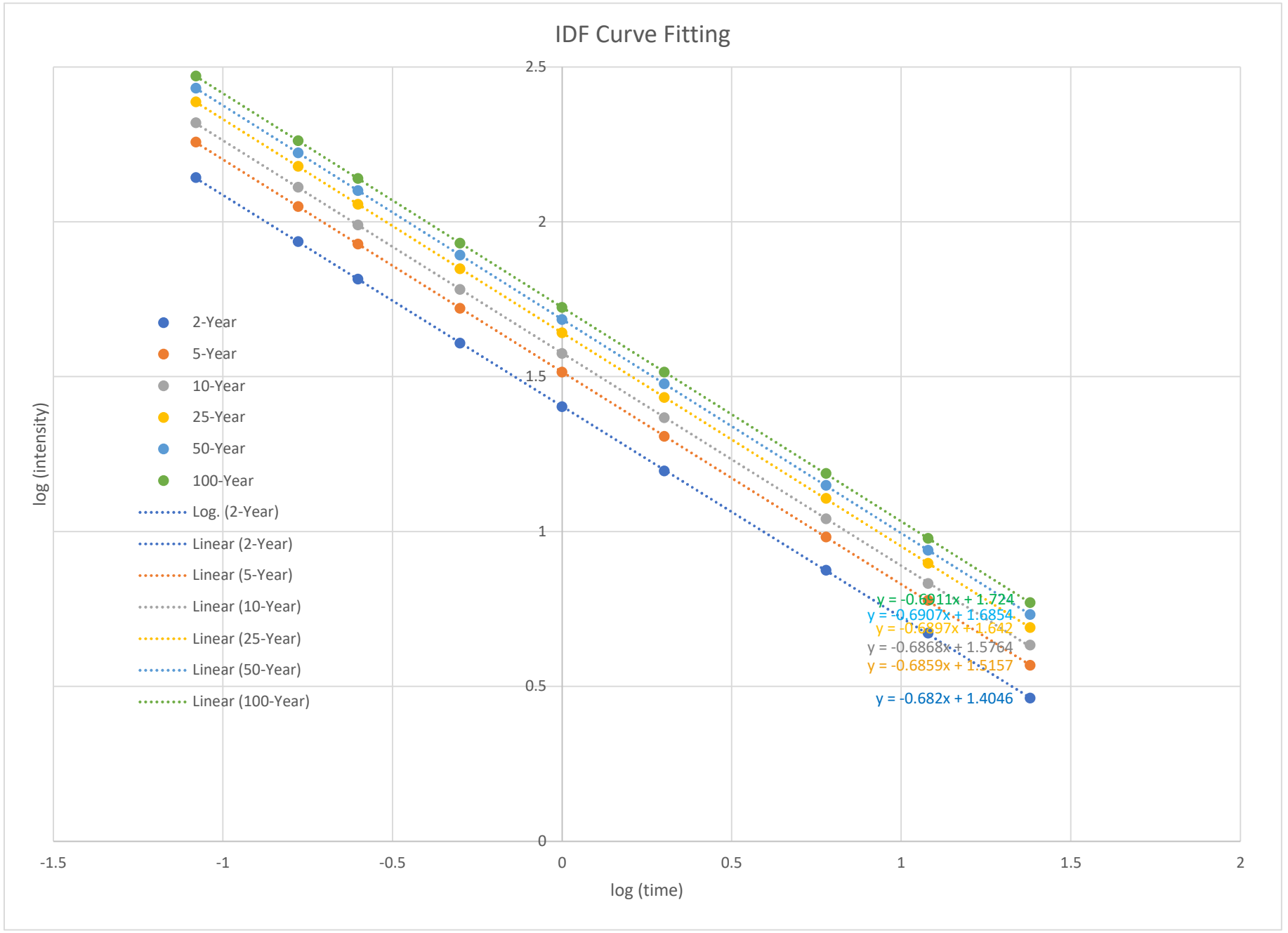
Duration	Difference in Rainfall Depth (mm) by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-0.55	-1.15	-1.83	-2.84	-3.94	-5.20
10 min	0.96	1.22	1.09	0.75	0.04	-1.12
15 min	2.59	3.99	5.09	7.05	8.14	9.91
30 min	3.81	7.07	9.90	15.47	19.89	26.37
1 hr	4.07	9.53	14.47	24.06	32.89	42.25
2 hr	4.49	10.37	15.58	25.36	33.73	43.98
6 hr	2.98	7.13	10.61	17.15	21.16	27.16
12 hr	1.36	3.07	4.23	8.40	11.15	15.90
24 hr	-0.80	-1.34	-3.24	0.05	-0.58	0.62

PERCENT DIFFERENCE

Duration	Difference in Rainfall Intensity by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-5%	-8%	-11%	-14%	-18%	-22%
10 min	7%	7%	5%	3%	0%	-4%
15 min	17%	20%	22%	26%	27%	30%
30 min	20%	28%	34%	46%	53%	64%
1 hr	17%	31%	41%	58%	71%	83%
2 hr	16%	27%	36%	49%	59%	70%
6 hr	7%	14%	17%	24%	27%	31%
12 hr	3%	5%	6%	9%	11%	15%
24 hr	-1%	-2%	-3%	0%	0%	1%

PERCENT DIFFERENCE

Duration	Difference in Rainfall Depth by Return Period (Years)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
5 min	-5%	-8%	-11%	-14%	-18%	-22%
10 min	7%	7%	5%	3%	0%	-4%
15 min	17%	20%	22%	26%	27%	29%
30 min	20%	28%	34%	46%	53%	64%
1 hr	17%	31%	41%	58%	71%	83%
2 hr	16%	27%	36%	49%	59%	70%
6 hr	7%	14%	17%	24%	27%	31%
12 hr	3%	5%	6%	9%	11%	15%
24 hr	-1%	-2%	-3%	0%	0%	0%


IDF Curve Fitting
log (intensity)
log (time)
2.5
2
1.5
1
0.5
0
-1.5
-1
-0.5
0
0.5
1
1.5
2
2-Year
5-Year
10-Year
25-Year
50-Year
100-Year
Log. (2-Year)
Linear (2-Year)
Linear (5-Year)
Linear (10-Year)
Linear (25-Year)
Linear (50-Year)
Linear (100-Year)
y = -0.6911x + 1.724
y = -0.6907x + 1.6854
y = -0.6897x + 1.642
y = -0.6868x + 1.5764
y = -0.6859x + 1.5157
y = -0.682x + 1.4046