

APPENDIX B

Consultation-Correspondence

Falcone, Olivia

From: Van Ruyven, William
Sent: August-31-20 4:39 PM
To: [REDACTED]
Cc: Thompson, Gillie; Falcone, Olivia; Furfurica, Silvia
Subject: RE: Schedule C Municipal Class Environmental Assessment - WR# 109

Good afternoon JD, thank you for reaching out regarding the project.

Our direct mailout area includes all properties within Arthur and along Wellington Road 109, within the study area. If you received a Notice via regular mail then you are already included in the project mailing list and will continue to receive direct notices as the study progresses – no need to 'sign-in'.

There is additional study background information on the County website <https://www.wellington.ca/en/resident-services/rd-wellingtonroad109ea.aspx>

At two study milestones, we will provide a full information package of the study progress, key decision-making items and request for public feedback. We anticipate these milestones to be in late fall 2020 and early spring 2021. You will receive direct notices when these package become available online. If/when public meetings are permitted, these events may also consist of an open house.

If you have any other questions or information that we should be aware of, please do not hesitate to reach out via email again.

Thank you

Kind Regards,

William



William Van Ruyven, P.Eng.
Project Manager

WSP Canada
t: 289-835-2627 c: 647-280-5895
William.VanRuyven@wsp.com

From: [REDACTED]
Sent: August 31, 2020 3:45 PM
To: Van Ruyven, William <William.VanRuyven@wsp.com>
Subject: Schedule C Municipal Class Environmental Assessment - WR# 109

Good afternoon, my name is _____ and I received a letter from WSP today regarding the above-mentioned study.

I am curious as to the process of inclusion as a member of the public.

Is this letter sent to everyone in the county or just a random sampling?

The letter doesn't specify whether I would need to 'sign on' as a member of the public or if it's just a notice and up to me to obtain information as the process moves forward.

If you are able to shed some light on these questions, I would be most appreciative.

Thank you in advance

[REDACTED]

Technical Lead

Project Manager (Certified)

[REDACTED]

Falcone, Olivia

From: Thompson, Gillie
Sent: September-11-20 11:39 AM
To: Falcone, Olivia; Furfurica, Silvia
Cc: Van Ruyven, William; Joe de Koning
Subject: FW: Bridges on 109

From: [REDACTED]
Date: September 11, 2020 at 10:21:22 AM EDT
To: Joe de Koning <joedk@wellington.ca>
Subject: Bridges on 109

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

Hi Joe,

Can you please include me on the study mailing list for the Bridge study on county rd 109 outside Arthur.

Thanks

[Copernicus and B Corp logo smaller]

[REDACTED] w: www.copernicused.com<<http://www.copernicused.com/>>
[Pinterest](https://www.pinterest.ca/CopernicusEd)<<https://www.pinterest.ca/CopernicusEd>> | [YouTube](https://www.youtube.com/user/CopernicusEducation)<<https://www.youtube.com/user/CopernicusEducation>> | [Twitter](https://twitter.com/copernicused)<<https://twitter.com/copernicused>> | [Facebook](https://www.facebook.com/copernicused)<<https://www.facebook.com/copernicused>> |
[Instagram](https://www.instagram.com/copernicusededucationalproducts)<<https://www.instagram.com/copernicusededucationalproducts>> |
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Falcone, Olivia

From: Thompson, Gillie
Sent: September-11-20 8:30 AM
To: Joe de Koning; Van Ruyven, William
Cc: Falcone, Olivia; Furfurica, Silvia
Subject: RE: Wellington 109 bridges.

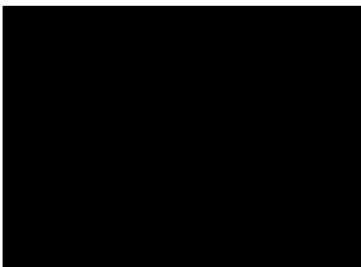
From: [REDACTED]
Sent: Thursday, September 10, 2020 4:19 PM
To: Joe de Koning <joedk@wellington.ca>
Subject: FW: Wellington 109 bridges.

Mr. de Koning thank you for the letter stating that the county will finally start the bridge work. This of course is long over due and has a potential for accidents if not addressed quickly. The traffic on 109 has increase substantially over the last few years since Arthur is the hob for people going north on 6 or continuing west on 109 back ups are up to 1st line on many days. Understanding that the farm equipment has also increased in size. When this road was built a Massey 27 with a 14 ft header was a large combine.

We (neighbours and I) if the Bruges are going to be 4 lane and allowances for bike paths also will the road be widened with turning lanes at 1st line or even passing lanes from 2nd line to #6.

Have you a time line for this project, in my life I learned that every project has a start a middle (which sometimes grow beyond recognition due to many reasons) and an end. We as tax payers would like to see the end REAL soon like July 2021.

Thank you for considering this letter.



Falcone, Olivia

From: Van Ruyven, William
Sent: September-14-20 8:05 AM
To: [REDACTED]
Cc: Falcone, Olivia; Furfurica, Silvia; Thompson, Gillie; Joe de Koning
Subject: RE: Hwy 6 to Sideroad 7 Assessment

Hi ,

Thank you for reaching out regarding the project. I will have you added to the project notification mailing list. Please note that there is additional study background information on the County website

<https://www.wellington.ca/en/resident-services/rd-wellingtonroad109ea.aspx>

At two study milestones, we will provide a full information package of the study progress, key decision-making items and request for public feedback. We anticipate these milestones to be in late fall 2020 and early spring 2021. You will receive direct notices when these package become available online. If/when public meetings are permitted, these events may also consist of an open house.

If you have any questions or information that we should be aware of, please do not hesitate to reach out via email again.

Kind Regards,

William



William Van Ruyven, P.Eng.
Project Manager

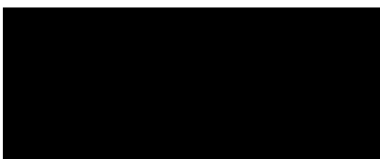
WSP Canada
t: 289-835-2627 c: 647-280-5895
William.VanRuyven@wsp.com

From: [REDACTED]
Sent: September 13, 2020 6:18 PM
To: Van Ruyven, William <William.VanRuyven@wsp.com>
Subject: Hwy 6 to Sideroad 7 Assessment

Hello Mr. Van Ruyven,

Please place us on the study mailing list for the Environmental Assessment from Hwy 6 to Sideroad 7, Township of Wellington North.

Thank you,



Falcone, Olivia

From: Thompson, Gillie
Sent: September-17-20 8:34 AM
To: Falcone, Olivia; Furfurica, Silvia
Cc: Van Ruyven, William
Subject: FW: study on Cty rd 109 bridges

From: [REDACTED]
Date: September 17, 2020 at 7:55:57 AM EDT
To: Joe de Koning <joedk@wellington.ca>
Subject: study on Cty rd 109 bridges
Reply-To: [REDACTED]

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Hi Joe:

Please add my name to the study mailing list. Thank-you. [REDACTED]
[REDACTED]

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Falcone, Olivia

From: Van Ruyven, William
Sent: September-22-20 8:08 AM
To: [REDACTED]
Cc: Thompson, Gillie; Falcone, Olivia; Furfurica, Silvia; Joe de Koning
Subject: RE: WR 109 Bridges - Hwy. 6 to Sideroad 7

Hi [REDACTED]

Thank you for reaching out regarding the project. I will have you included on future email mail outs. Please note there is additional study background information on the County website <https://www.wellington.ca/en/resident-services/rd-wellingtonroad109ea.aspx>

At two study milestones, we will provide a full information package of the study progress, key decision-making items and request for public feedback. We anticipate these milestones to be in late fall 2020 and early spring 2021. You will receive direct notices when these package become available online. If/when public meetings are permitted, these events may also consist of an open house.

If you have any other questions or information that we should be aware of, please do not hesitate to reach out via email again.

Kind Regards,

William



William Van Ruyven, P.Eng.
Project Manager

WSP Canada
t: 289-835-2627 c: 647-280-5895
William.VanRuyven@wsp.com

From: [REDACTED]
Sent: September 21, 2020 8:05 PM
To: Joe de Koning <joedk@wellington.ca>
Cc: Van Ruyven, William <William.VanRuyven@wsp.com>
Subject: 109 Bridges - Hwy. 6 to Sideroad 7

Hi Joe,

Thanks for the notice of study commencement. I would like to be put on the mailing list to receive study notices directly.

Thanks,

Falcone, Olivia

From: Thompson, Gillie
Sent: September-28-20 8:26 AM
To: Falcone, Olivia; Furfurica, Silvia
Subject: FW: Bridges repairs 109
Attachments: image003.png

From: [REDACTED]
Date: September 25, 2020 at 2:11:55 PM EDT
To: Joe de Koning <joedk@wellington.ca>
Subject: Bridges repairs 109

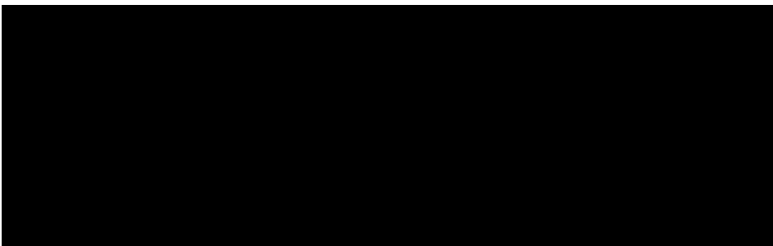
CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

Good afternoon I live in the area where the bridge repairs are planned and there is a bridge in front of my house ([REDACTED]) I would like to be on the mailing list to inform me on the progress and changes that are planned.

??

Thank you

??



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Falcone, Olivia

From: Telus Utility Markups <telusutilitymarkups@Telecon.ca>
Sent: August-27-20 3:39 PM
To: Falcone, Olivia
Subject: RE: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement Telus 2020-4359

TELUS has no infrastructure in the area of your proposed work. Permit expires six(6) months from approval date.

Indira Sharma
Project Support
289-657-8256
7777 Weston Road
Vaughan, ON L4L 0G9



www.telecon.ca

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: Thursday, August 27, 2020 3:35 PM
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement

Good afternoon,

The County of Wellington has initiated a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington.

Please see the attached for the Notice of Study Commencement for more information, and submit the attached Agency Response Form by September 18, 2020. If this study falls under the jurisdiction of another representative of your office, please forward this email to them, and advise us at your earliest convenience.

Unless requested otherwise, the Project Team will continue to provide study milestone notifications to your agency. Please refer to the Wellington County website for future project updates at www.wellington.ca/EA109.

If you have any questions, comments or concerns, you can reach the project team by responding to this email or by contacting the County and WSP Project Managers listed in the notice.

Thank you for your assistance,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

wsp.com

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-LAEmHhHzdJzBITWfa4Hgs7pbKI

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Falcone, Olivia

From: Brown, Franklin <franklin.brown@bell.ca>
Sent: August-28-20 8:32 AM
To: Falcone, Olivia
Subject: RE: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement

Thanks Olivia.

Regards,
Frank

Frank Brown
Bell Implementation Mgr.
21 First Ave.
Orangeville Ontario
L9W 1H7
franklin.brown@bell.ca
519-939-1011

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: August-27-20 3:39 PM
To: Bergeron, Renee <renee.bergeron@bell.ca>; Brown, Franklin <franklin.brown@bell.ca>
Cc: Joe de Koning <jloedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: [EXT]Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement

Good afternoon,

The County of Wellington has initiated a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington.

Please see the attached for the Notice of Study Commencement for more information, and submit the attached Agency Response Form by September 18, 2020. If this study falls under the jurisdiction of another representative of your office, please forward this email to them, and advise us at your earliest convenience.

Unless requested otherwise, the Project Team will continue to provide study milestone notifications to your agency. Please refer to the Wellington County website for future project updates at www.wellington.ca/EA109.

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Thank you for your assistance,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

wsp.com

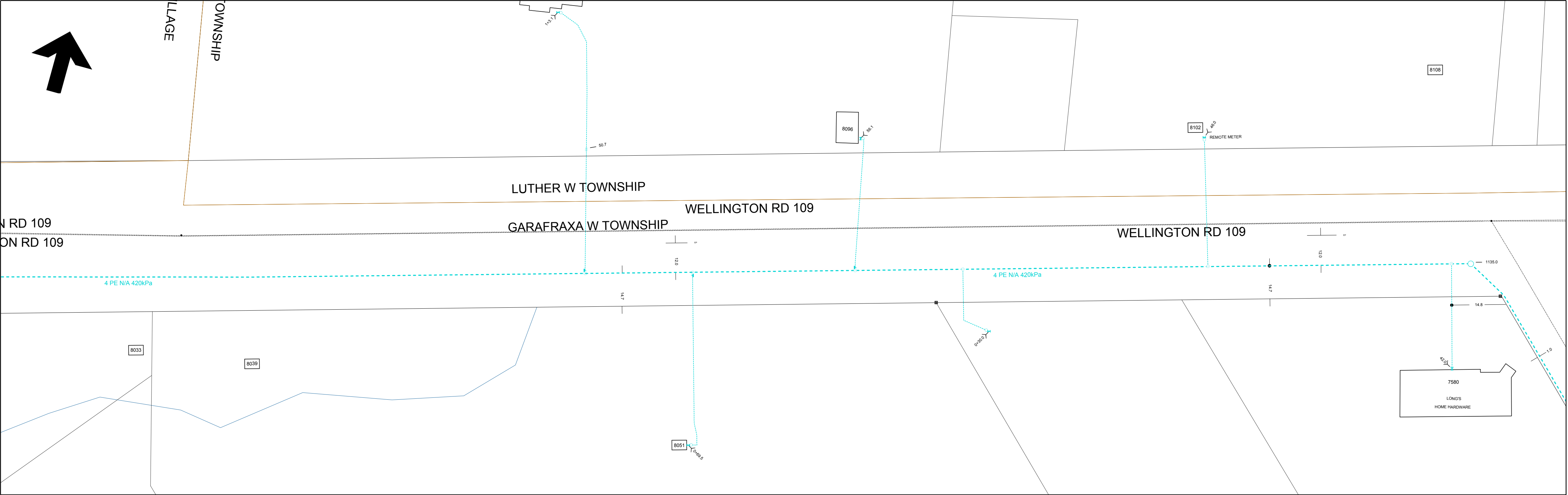
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SOURCE DOCUMENT INFORMATION			
Qualified Individual:		Pipeline Certificate No:	
Welder / Fuser:		Ticket Number:	
In-Service Date:		G-Tech Update By: Date:	
Testing	Design Pressure:	Test Medium:	
	Time On:	Pressure:	
	Time Off:	Pressure:	
REVISIONS			
Date	By	App'd	Remarks
			
AS - BUILT			
Title : WELLINGTON RD 109			
Description : E Clip			
Project # :	CARS Ref # :	% SMYS :	
District : WATERLOO	Municipality : ARTHUR	Authorized:	
Drawn By : EMCALUIA	Date Drawn : 2020/09/02	Corrosion:	
Scale : 1:1000	GTech # : JOBNO39358	Drawing Number 2 OF 2	

Falcone, Olivia

From: Kevin Schimus <Kevin.Schimus@enbridge.com>
Sent: September-03-20 7:38 AM
To: Falcone, Olivia
Cc: Joe de Koning; Van Ruyven, William; Thompson, Gillie; Jack Chen
Subject: RE: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement (Enbridge Gas Info)
Attachments: Wellington Road 109 Class EA - Agency and Utility Response Form.docx; Wellington Road 109 Class EA - Notice of Study Commencement.pdf; Wellington Rd 109 1 of 2 Enbridge Gas Info.pdf; Wellington Rd 109 2 of 2 Enbridge Gas Info.pdf

Hi Olivia,

Please find attached Enbridge Gas plant locations in respect to the above-mentioned project, for engineering purposes only. The location of Enbridge Gas facilities on this drawing is approximate and is to be used for information purposes. It is understood that locates must be obtained through Ontario One Call Limited at 1-800-400-2255 to confirm location of our gas line prior to excavation. Please note there's no existing or proposed gas infrastructure east of 1st Line.

Regards,

Kevin Schimus

Advisor, Construction and Project Management
Construction and Growth

ENBRIDGE GAS INC. OPERATING AS UNION GAS

TEL: 519-885-7400 x5067506 | CELL: 519-635-9488 | kschimus@uniongas.com
603 Kumpf Drive, Waterloo, Ontario, N2V 1K3

uniongas.com | enbridgegas.com
Safety. Integrity. Respect.

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: Thursday, August 27, 2020 3:35 PM
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: [External] Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement

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Thank you for your assistance,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

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-LAEmHhHzdJzBITWfa4Hgs7pbKI

Falcone, Olivia

From: Van Ruyven, William
Sent: September-17-20 8:19 AM
To: Thompson, Gillie; Falcone, Olivia; Furfurica, Silvia
Subject: FW: Hydro One Response: Wellington Road 109 Bridges
Attachments: 20200917-NoticeOfCommence-Wellington Road 109 Bridges.pdf

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: September 17, 2020 8:11 AM
To: Van Ruyven, William <William.VanRuyven@wsp.com>
Cc: Joe de Koning <joedk@wellington.ca>
Subject: Hydro One Response: Wellington Road 109 Bridges

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc
483 Bay St
Toronto, ON

September 17, 2020

Re: Wellington Road 109 Bridges

Attention:

William Van Ruyven, P.Eng.
Consultant Project Engineer
WSP Canada Group Limited

Thank you for sending us notification regarding (Wellington Road 109 Bridges). In our preliminary assessment, we confirm there are no existing Hydro One Transmission assets in the subject area. Please be advised that this is only a preliminary assessment based on current information.

If plans for the undertaking change or the study area expands beyond that shown, please contact Hydro One to assess impacts of existing or future planned electricity infrastructure.

Any future communications are sent to Secondarylanduse@hydroone.com.

Be advised that any changes to lot grading and/or drainage within proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***

Falcone, Olivia

From: MNRF Ayl Planners (MNRF) <MNRF.Ayl.Planners@ontario.ca>
Sent: September-17-20 10:38 AM
To: Joe de Koning; Van Ruyven, William
Cc: Thompson, Gillie; Falcone, Olivia
Subject: RE: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement
Attachments: image002.wmz; Wellington Road 109 Class EA - Notice of Study Commencement.pdf; NHGuide_MNRF_2019-04-01.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Ministry of Natural
Resources and Forestry

Ministère des Richesses
naturelles et des Forêts



September 17, 2020

Joe de Koning, P.Eng.
Construction Manager
County of Wellington
74 Woolwich Street
Guelph ON N1H 3T9
519.837.2601 x 2270
joedk@wellington.ca

William Van Ruyven, P.Eng.
Consultant Project Engineer
WSP Canada Group Limited
610 Chartwell Road, Suite 300
Oakville ON L6J 4A5
905.823.8500
william.vanruyven@wsp.com

Subject: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement

The Ministry of Natural Resources and Forestry (MNRF) received the attached notice for the proposed Wellington Road 109 project. Thank you for circulating this information to our office, however, please note that we have not completed a screening of natural heritage or other resource values for the project at this time. Please also note that it is your responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals.

This response provides information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, and engaging with the MNRF for advice as needed.

Natural Heritage & Endangered Species Act

In order to provide the most efficient service possible, the attached Natural Heritage Information Request Guide has been developed to assist you with accessing natural heritage data and values from convenient online sources.

It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.

The Ministry continues to work on updating data housed by Land Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information, please contact the Ministry of the Environment, Conservation and Parks at SAROntario@ontario.ca.

Petroleum Wells & Oil, Gas and Salt Resource Act

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website (www.ogsrlibrary.com) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the Library website in order to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at POSRecords@ontario.ca or 519-873-4634.

Public Lands Act & Lakes and Rivers Improvement Act

Some projects may be subject to the provisions of the *Public Lands Act* or the *Lakes and Rivers Improvement Act*. Please review the information on MNRF's web pages provided below regarding when an approval is required or not. Please note that many of the authorizations issued under the *Lakes and Rivers Improvement Act* are administered by the local Conservation Authority.

- For more information about the *Public Lands Act*: <https://www.ontario.ca/page/crown-land-work-permits>
- For more information about the *Lakes and Rivers Improvement Act*: <https://www.ontario.ca/document/lakes-and-rivers-improvement-act-administrative-guide>

The MNRF would appreciate the opportunity to review any draft reporting completed in support of this project when it becomes available.

If you have any questions or concerns, please feel free to contact me.

Sincerely,
Karina

Karina Černiavskaja, District Planner
Ministry of Natural Resources and Forestry
Email: MNRF.Ayl.Planners@ontario.ca



As part of providing [accessible customer service](#), please let me know if you have any accommodation needs or require communication supports or alternate formats.

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: August-27-20 3:42 PM
To: Černiavskaja, Karina (MNRF) <Karina.Cerniavskaja@ontario.ca>; Thompson, Melinda (MNRF) <Melinda.Thompson@ontario.ca>; Wedgewood, Jamie R. (MNRF) <Jamie.R.Wedgewood@ontario.ca>
Cc: Joe de Koning <jloedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good afternoon,

The County of Wellington has initiated a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington.

Please see the attached for the Notice of Study Commencement for more information, and submit the attached Agency Response Form by September 18, 2020. If this study falls under the jurisdiction of another representative of your office, please forward this email to them, and advise us at your earliest convenience.

Unless requested otherwise, the Project Team will continue to provide study milestone notifications to your agency. Please refer to the Wellington County website for future project updates at www.wellington.ca/EA109.

If you have any questions, comments or concerns, you can reach the project team by responding to this email or by contacting the County and WSP Project Managers listed in the notice.

Thank you for your assistance,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300

Oakville, Ontario
L6J 4A5 Canada


wsp.com

Please consider the environment before printing...

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-LAEmHhHzdJzBITWfa4Hgs7pbKI



Natural Heritage Information Request Guide

Regional Operations Division, Ministry of
Natural Resources & Forestry

Update – April 1, 2019

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1.0 Background, Purpose and Scope

1.1 Background

The Ministry of Natural Resources and Forestry (MNRF) maintains a substantial amount of natural heritage information. The Government of Ontario is committed to transparency, customer service, and making information more publicly accessible. Access to natural heritage information is critical to informing municipal planning processes, development activities, and other initiatives such as science and research. To make natural heritage information more accessible and better understood, this document consolidates available MNRF natural heritage information and outlines how this information can be accessed.

1.2 Purpose of this Guide

The purpose of this guide is three-fold:

1. To provide a directory of natural heritage information sources available from the MNRF;
2. To reduce wait times for users to access the data, especially considering that much of the information is open and accessible; and
3. To help users efficiently access available data.

It remains the proponent's responsibility to:

- Complete a preliminary screening for their projects,
- Obtain available information from multiple sources,
- Conduct any necessary field studies, and
- Consider any potential environmental impacts that may result from a proposed activity.

To provide the most efficient service possible, proponents should complete natural heritage screenings **prior** to contacting Government of Ontario Ministry offices or other agencies for more detailed technical information and advice. This guide provides detailed information on where and how to access information to screen a study area in advance of consulting with Ministries.

1.3 Scope

MNRF maintains and provides information related to its resource management and land use planning mandate, including natural heritage, fisheries, wildlife, mineral aggregate resources, crown lands, protected lands and more. This information is made available to organizations, private individuals, consultants, and developers through online sources and is often considered under various pieces of legislation or as part of regulatory

approvals and planning processes. This guide has been created to help users navigate the available natural heritage information to support various activities. This guide additionally provides a list of other sources of information beyond MNRF, although it is not intended to be an exhaustive list of available sources.

This guide does not replace the Natural Heritage Reference Manual but is intended to support it. This guide is not intended to circumvent any field studies that may be necessary to document features and assess impacts.

This guide is a resource for proponents during project planning. Reviewing the layers listed in the appendices will enable proponents to prepare for both proponent and government led Environmental Assessments. For projects proposed on crown land, MNRF is the permitting agency and there may be additional initial screening requirements. Further studies may be required depending on the nature and location of the project.

1.4 Audience

The intent of this public guide is to make it easier for the proponents and consultants to access relevant information. This guide will also help internal Ministry staff who are responding to information requests or site screenings.

1.5 Disclaimer

The information available from MNRF and the sources listed below in the appendices should **not be considered as a substitute for site visits and appropriate field surveys**. Generally, information available from MNRF can be regarded as a starting point from which to conduct further field studies, if needed. While this data represents MNRF's best available current information, it is important to note that a lack of information for a site does not mean that additional features and values are not present. There are many areas where MNRF does not currently have information. On-site assessments can better verify site conditions, identify natural features and values and confirm presence of species at risk and/or their habitats.

This guide will be updated from time to time. For a current version of this guide, please contact your local or regional Government of Ontario Ministry office. Up-to-date contact information for Ministry offices can be obtained through the Government of Ontario Employee and Organization Directory, Info-GO, available at <http://www.infogo.gov.on.ca/infogo/home.html>.

2.0 Data Resources

2.1 Make a Map: Natural Heritage Areas

The MNRF maintains the [Make a Natural Heritage Area Map](http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US): http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US which provides public access to natural heritage information without the user needing to have Geographic Information System (GIS) capability. It allows users to view and identify natural heritage features, mark areas of interest, and create and print a custom map directly from the web application. The tool also shows topographic information such as roads, rivers, contours and municipal boundaries.

Make a Natural Heritage Area Map should be consulted as a first step in screening for natural heritage features. This tool does not provide access to all of the MNRF's natural heritage information and some layers may be incomplete.

Users are advised that sensitive information has been removed from the natural areas dataset and the occurrences of species at risk, rare plant communities and wildlife concentration areas has been generalized to a 1-kilometre grid.

The web-based mapping tool displays natural heritage data, including:

- Generalized Species at risk occurrence data (based on a 1-km square grid),
- provincial parks and conservation reserves,
- Areas of Natural and Scientific Interest,
- Wetlands,
- Woodlands, and
- Natural Heritage Information Centre data.

Data cannot be downloaded directly from this web map, however, information included in this application is available digitally through [Land Information Ontario](https://www.ontario.ca/page/land-information-ontario): <https://www.ontario.ca/page/land-information-ontario> (LIO).

2.2 Land Information Ontario (LIO)

Most natural heritage data is publicly available. This data is managed in a large corporate database called the LIO Warehouse and can be discovered through the [LIO Metadata Management Tool](https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home): <https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home>. This tool provides descriptive information about the characteristics, quality and context of the data. Publicly available geospatial data can be downloaded directly from this site.

The LIO Metadata Management Tool helps users to find, assess and access GIS data and houses up to 350 data and information products. Geospatial data are available through this tool, including (but not limited to):

- **Aquatic Resource Area (ARA) data classes:** general fisheries spatial data including water body type, thermal regime and fish species
- **Spawning Area (fish)**
- **Nursery Area (fish)**
- **Nesting Site (birds)**
- **Areas of Natural and Scientific Interest (ANSIs)**
- **Wetlands**
- **Wintering Area (deer, moose, etc.)**
- **Fire (Potential Hazardous Forest Types for Wildland Fire)**

[Appendix A](#) links MNRF's authoritative, relevant data sets to the location in the LIO Database where the data can be downloaded.

Note that while most data is publicly available, some data may be considered highly sensitive (i.e., Nursery Areas for fish, species at risk observations), and as such, restrictions are in place limiting access to this information.

2.3 Species at Risk

For detailed information on species at risk, please visit [Make a Natural Heritage Areas Map](#) or contact the Ministry of Environment, Conservation and Parks at SAROntario@ontario.ca.

2.4 Public Agencies

Ministries, Municipalities and Conservation Authorities may have proposed infrastructure work that requires screening. In these instances, these broader public sector organizations should contact the appropriate Ministry Office to explore more efficient ways to access information and make decisions. This could include entering into data sharing agreements. Please note that many public agencies already have ongoing data sharing agreements in place with LIO and the Natural Heritage Information Centre (NHIC).

2.5 For Additional Information

For information pertaining to corporate data, contact LIO for support by email at lio@ontario.ca or by telephone at 705-755-1878.

For further information pertaining to the NHIC, including data sharing agreements, please email NHICrequests@ontario.ca or call 705-755-2159.

There may be circumstances where a local Government of Ontario office should be consulted for additional information and/or technical advice. For instance, projects proposed on Crown Land should be discussed early in the project planning process with local MNRF District staff.

A listing of District offices can be found on this web page
<https://www.ontario.ca/page/ministry-natural-resources-and-forestry-regional-and-district-offices>

Appendix A: Natural Heritage Mapping Resources

The table below provides users links to maps and GIS data depicting natural heritage. This list is intended to help guide a natural heritage screening exercise. Click in the *Information Source* column for hyperlinks.

Information Source	Theme	Instructions for using this information
Wetland	Significant Wetlands	Use field "WETLAND_SIGNIFICANCE = Evaluated-Provincial" for provincially significant wetlands.
	Coastal Wetlands	Use field "COASTAL_IND=Yes" for Coastal Wetlands
	Fish & Wildlife, Wetlands	Support evaluation and identification of habitat and wetlands. Please consult user guide for details. Consult the User Guide for more information.
Make a Natural Heritage Areas Map	Endangered and Threatened Species	Turn on the NHIC 1 km Grid square and use the Find... tool to query for species intersecting the grid. Consult the User guide for more information.
	Fish & Wildlife Habitat	Turn on the NHIC 1 km Grid square and use the Find... tool to query for species intersecting the grid. Consult the User guide for more information.
Provincially Tracked Species 1KM Grid	Endangered and Threatened Species	Use field "SARO_STAUS= 'Endangered' or SARO_STATUS='Threatened'" for Endangered and Threatened species.
Wintering Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Aquatic Feeding Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Breeding Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Calving Fawning Site	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.

Information Source	Theme	Instructions for using this information
Den Site	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Feeding Area, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Habitat Planning Range	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Mineral Lick	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Nesting Site	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Nursery Area, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Resting Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Staging Area, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Travel Corridor, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
ANSI	Significant Areas of Natural and Scientific Interest	Use the field "ANSI_SIGNIFICANCE = Provincial" if you need to view only Provincially Significant ANSI. Consult the User Guide for more information.
Wooded Area	Woodlands	Supports evaluation and identification of significant woodlands and wildlife habitat
ARA Line Segment	Fish Species and Habitat	Supports evaluation and identification of fish habitat by indicating fish species present in the water feature. Consult the User Guide for more information.

Information Source	Theme	Instructions for using this information
ARA Polygon Segment	Fish Species and Habitat	Supports evaluation and identification of fish habitat by indicating fish species present in the water feature. Consult the User Guide for more information.
	At Capacity Lake Trout Lakes	Use field" AT_DEVELOPMENT_CAPACITY_IND = Yes" for designated at capacity lakes
Aquatic Resource Area (ARA) Survey Point	Fish Species	Supports evaluation and identification of fish habitat by indicating fish species present at that location. Consult the User Guide for more information.
Spawning Area	Fish Habitat	Supports evaluation and identification of fish habitat
Nursery Area, Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Staging Area, Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Feeding Area, Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Travel Corridor Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Ecoregion	Ecoregions	Used to determine what ecoregion covers your area
Natural heritage System Area	Natural Heritage System	Identifies Natural Heritage System Areas within the Greenbelt Plan, the Oak Ridges Moraine Conservation Plan, the Niagara Escarpment Plan and the Growth Plan for the Greater Golden Horseshoe. Consult this guide for more information.
Breeding Bird Atlas	Wildlife Habitat	Provides additional information on the location of Breeding Birds
eBird	Wildlife Habitat	Provides additional information on bird sightings

Information Source	Theme	Instructions for using this information
Ontario Reptile and Amphibian Atlas	Wildlife Habitat	Provides additional information on Reptile and Amphibian sightings
iNaturalist	Fish & Wildlife Habitat	Provides additional information on fish & wildlife sightings

Appendix B: Natural Heritage Information Resources

The table below provides users links to Natural Heritage policies and documentation that should be referenced when conducting a natural heritage screening exercise. Click in the *Information Source* column for hyperlinks

Information Source	Theme	Description
https://www.ontario.ca/document/water-work-timing-window-guidelines	Water Work Timing windows	An information source that can be used to determine in-water work timing windows
Inland Lakes designated for Lake Trout management	Fish Habitat	A list of lakes in Ontario that are managed as Lake Trout lakes
Significant wildlife habitat guide	Wildlife Habitat	Provides detailed information on the identification, description and prioritization of significant wildlife habitat.
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 6E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 6E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 7E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 7E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 5E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 5E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 3E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 3E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 3W	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 3E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 4E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 3E
Significant wildlife habitat mitigation support tool	Wildlife Habitat	Provides advice and recommendations on how to mitigate wildlife habitat during a development process
Natural heritage reference manual	Natural Heritage	Provides guidance for implementing the natural heritage policies of the Provincial policy Statement

Appendix C: Other information Sources

The table below provides users links to other data and resources that could be relevant when screening for development. Click in the *Information Source* column for hyperlinks

Information Source	Theme
Crown Land Use Policy Atlas	Crown Land
Make a Topographic Map	Base Data Mapping
Pits and Quarries	Aggregates
Aggregate resources policies and procedures	Aggregates
Aggregate resources study	Aggregates
Exploring for and extracting oil, natural gas and salt resources	Oil, Gas and Salt Resources
Petroleum wells	Oil, Gas and Salt Resources
Great Lakes – St. Lawrence River System and Large inland lakes: Technical Guides for flooding, erosion and dynamic beaches in support of natural hazards policies 3.1 of the provincial policy statement	Hazards
Adaptive Management of Stream Corridors in Ontario including Natural Hazards Technical Guides	Hazards
The Wildland Fire Risk Assessment and Mitigation Reference Manual	Hazards

Information Source	Theme
Public Lands Act	Crown Land
Crown land work permits	Crown Land
Aggregate resources	Aggregates
Lakes and Rivers Improvement Act	Crown Land
Licence to collect fish for scientific or education purposes	Fish
https://www.ontario.ca/search/data-catalogue	Base Data mapping
Fire - Potential Hazardous Forest Types for Wildland Fire	Hazards
MNR Region	Base Data mapping
MNR District	Base Data mapping
GeoBase	Base Data mapping
Mining Lands Administration System (MLAS) – Map Viewer	Mines
Geoconnections	Base Data mapping

Information Source	Theme
Ministry of Northern Development and Mines Mapping and link to Geology Ontario databases	Mines
Ministry of Environment, Conservation and Parks Data	Environment
National Air Photo Library	Aerial photos
Archives Ontario Aerial Photography	Aerial photos
GEOGratis	Base Data mapping
County Soils Maps	Base Data mapping
Forest Fire Info Map	Hazards
Agricultural Information Atlas	Agriculture
Crown Land Automated Internet Mapping System	Mines
COSINE	Base Data mapping
GEONAME	Base Data mapping
Government-wide data inventory	Base Data mapping

Falcone, Olivia

From: Thompson, Gillie
Sent: January-06-21 9:41 AM
To: Falcone, Olivia
Cc: Van Ruyven, William
Subject: FW: WR 109 Bridge Study

From: Joe de Koning <joedk@wellington.ca>
Sent: January 6, 2021 9:36 AM
To: [REDACTED]
Cc: Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: WR 109 Bridge Study

Hello Mr. [REDACTED]

Thank you for your interest in the Wellington Road 109 Municipal Class EA study and for taking the time to review the materials and provide comment.

Based on current information, the Project Team has made the preliminary recommendation to replace the bridges. However this preliminary recommendation will be subject to confirmation based on agency and stakeholder feedback.

The Project Team is currently consulting with MTO West Region to review all current and long term plans for the study area and ensure that the Wellington Road 109 Class EA study fully considers MTO's program and priorities in the decision-making process.

If you have any additional comments or questions, please feel free to contact me at any time.

You have been added to the study mailing list and will receive direct email notices/updates in future.

Joe de Koning, P.Eng.
Construction Manager
County of Wellington
Phone (519) 837-2601 X-2270
Cell (519) 400-4819

Falcone, Olivia

From: Thompson, Gillie
Sent: January-04-21 4:26 PM
To: Van Ruyven, William
Cc: Falcone, Olivia
Subject: RE: WR 109 Bridge Study

-----Original Message-----

From: Joe de Koning <joedk@wellington.ca>
Sent: December 18, 2020 8:00 PM
To: Thompson, Gillie <Gillian.Thompson@wsp.com>; Van Ruyven, William <William.VanRuyven@wsp.com> Subject:
Fwd: WR 109 Bridge Study

Begin forwarded message:

From: [REDACTED]
Date: December 18, 2020 at 6:29:57 PM EST
To: Joe de Koning <joedk@wellington.ca>
Subject: WR 109 Bridge Study

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

I am a concerned property owner in the study area. Please keep me informed on the EA progress.

I believe that given the limited scope of this study a wrong conclusion will be the outcome. A lot of money will be spent to fix bridges that would possibly be of no use in the future when the big picture of traffic problems at the WR109 and Hwy 6 intersection and heavy, through, traffic in the town of Arthur are addressed by a future study.

The long term solution could be a re-location of Hwy 6 to the west of Arthur and WR 109 re-located to the south to avoid the multiple river crossings.

[REDACTED]
[REDACTED]

Falcone, Olivia

From: Van Ruyven, William
Sent: January-11-21 1:25 PM
To: Falcone, Olivia
Cc: Thompson, Gillie
Subject: FW: County 109 bridges

Follow Up Flag: Follow up
Flag Status: Flagged

From: [REDACTED]
Sent: Monday, January 11, 2021 1:01 PM
To: Joe de Koning <joedk@wellington.ca>
Subject: County 109 bridges

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

To all it may concern

After reviewing the presented options of bridge repair on 109 I will share our view points

We live at [REDACTED] the proposal of rerouting the road would cause the new road to go by our house.

Firstly, I highly recommend complete road closure to do any bridge repair replacement work, far too much traffic to go through one lane with lights etc. Long waits are very frustrating and very inefficient construction when dealing with traffic and single lane construction. Much traffic will bypass Arthur east and west if they know the road is closed, example they will run 89 etc depending where to where, everyone will be happier then long waits.

Keep it simple, can you use the simple method of installing extra large culverts as seen and working over and over in the US?

We are not in favour of rerouting the road to get down to one bridge, It would unnecessarily destroy properties and farmland.

[REDACTED]

Falcone, Olivia

From: Van Ruyven, William
Sent: January-11-21 1:25 PM
To: Falcone, Olivia
Cc: Thompson, Gillie
Subject: FW: County 109 bridges

Follow Up Flag: Follow up
Flag Status: Flagged

From: [REDACTED]
Sent: Monday, January 11, 2021 1:01 PM
To: Joe de Koning <joedk@wellington.ca>
Subject: County 109 bridges

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

To all it may concern

After reviewing the presented options of bridge repair on 109 I will share our view points

We live at [REDACTED] so the proposal of rerouting the road would cause the new road to go by our house.

Firstly, I highly recommend complete road closure to do any bridge repair replacement work, far too much traffic to go through one lane with lights etc. Long waits are very frustrating and very inefficient construction when dealing with traffic and single lane construction. Much traffic will bypass Arthur east and west if they know the road is closed, example they will run 89 etc depending where to where, everyone will be happier than long waits.

Keep it simple, can you use the simple method of installing extra large culverts as seen and working over and over in the US?

We are not in favour of rerouting the road to get down to one bridge, It would unnecessarily destroy properties and farmland.

Falcone, Olivia

From: Thompson, Gillie
Sent: January-08-21 9:21 AM
To: Joe de Koning; Van Ruyven, William; Falcone, Olivia
Subject: RE: WR 109 Bridge Study

From: [REDACTED]
Sent: Friday, January 8, 2021 8:24 AM
To: Joe de Koning <joedk@wellington.ca>
Subject: Re: WR 109 Bridge Study

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you know the contents to be safe.

Thank you for the reply.

The decision to replace the bridges is the wrong conclusion. There will be much disruption to the traffic on 109 during construction and environmental issues with temporary by-pass construction in the river. We will spend a lot of money on something that will likely be abandoned in the near future when the real traffic problems on 109 and Arthur are addressed.

On Jan 6, 2021, at 9:35 AM, Joe de Koning <joedk@wellington.ca> wrote:

Hello Mr. [REDACTED]

Thank you for your interest in the Wellington Road 109 Municipal Class EA study and for taking the time to review the materials and provide comment.

Based on current information, the Project Team has made the preliminary recommendation to replace the bridges. However this preliminary recommendation will be subject to confirmation based on agency and stakeholder feedback.

The Project Team is currently consulting with MTO West Region to review all current and long term plans for the study area and ensure that the Wellington Road 109 Class EA study fully considers MTO's program and priorities in the decision-making process.

If you have any additional comments or questions, please feel free to contact me at any time.

You have been added to the study mailing list and will receive direct email notices/updates in future.

Joe de Koning, P.Eng.
Construction Manager
County of Wellington
Phone (519) 837-2601 X-2270
Cell (519) 400-4819

[REDACTED]

Falcone, Olivia

From: Thompson, Gillie
Sent: January-15-21 1:10 PM
To: Hodgins, Allan (MTO); Santos, Paul (MTO)
Cc: Joe de Koning; Van Ruyven, William; Nadeau, Michael (MTO); DeVos, Kevin (MTO); Stewart, Taylor (MTO); Falcone, Olivia
Subject: RE: Wellington Road 109 Bridge Study

Hi Allan, thank you for the comprehensive and timely response! Very much appreciated!

We will update our project contact list accordingly and we will have a look at the web portal.

Also, we will be in touch as the project moves forward into design, including traffic management analyses.

Thank you
Gillie

Gillian Thompson, B.Sc., MCIP, RPP
Senior Planner / Project Manager
Transportation Planning



Direct + 1 289-835-2620
Office + 1 905-823-8500
Mobile + 1 519-635-5733

From: Hodgins, Allan (MTO) <Allan.Hodgins@ontario.ca>
Sent: January 15, 2021 11:52 AM
To: Thompson, Gillie <Gillian.Thompson@wsp.com>; Santos, Paul (MTO) <Paul.Santos@ontario.ca>
Cc: Joe de Koning <jloedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>; DeVos, Kevin (MTO) <Kevin.Devos@ontario.ca>; Stewart, Taylor (MTO) <Taylor.Stewart2@ontario.ca>
Subject: RE: Wellington Road 109 Bridge Study

Gillian,

I would like to introduce myself; I am the MTO-Corridor Management Planner for Wellington County and will be the MTO One Window point of contact for the subject project.

Please update the project distribution list to include:

- Myself, Allan Hodgins (MTO-Corridor Management Planner); and
- Paul Santos (MTO-Senior Project Manager).
 - Kevin DeVos and Michael Nadeau are not required on subsequent project notifications.

Should a follow-up meeting be required to discuss the MTO comments below, please let me know and I can provide the MTO Project Team's availability to meet.

Regarding your specific follow-up questions to Michael on January 5, 2021, please see the following itemized responses:

1. We assume the first sentence in your email was intended to say the Ministry does not have any current plans for changes to Highway 6 in this area.
 - a. **MTO confirmed, does not***
2. Related to Question 1, while MTO has no *current plans* - has there been any consideration of a realignment around Arthur in the long term (i.e. 20 yr planning horizon)?
 - a. **MTO has no current or long range plans for realignment of Highway 6 around the Town of Arthur or this intersection.**
3. Related to Questions 1 and 2 - The comment we received from the member of the public indicated anecdotally "traffic problems at the WR109 and Hwy 6 intersection and heavy, through, traffic in the town of Arthur". Has MTO registered similar anecdotal reports/complaints from local residents, travellers or Wellington North? Has there been or is there any plan by MTO to study potential issues?
 - a. **MTO has not identified any concerns with traffic operations at the intersection of Highway 6 and Wellington Road 109.**
 - i. **MTO is not aware of any complaints registered regarding traffic operations at this intersection.**
 - b. **There are no studies of this intersection planned at this time.**
4. Can you confirm the year that the intersection improvements were made at Highway 6 / WR109. Was a roundabout considered at that time? Or would a roundabout be considered in future?
 - a. **Intersection improvements to the Highway 6/Wellington Road 109 intersection were completed by MTO as part of a Highway 6 rehabilitation project (Fergus to Arthur) in 2006/2007 (see attached contract drawings).**
 - i. **A roundabout was not considered at the time (2006)**
 - ii. **A roundabout would be evaluated as an option in a future design study (Horizontal/vertical alignment and existing commercial development at the intersection would need to be considered in the evaluation of a roundabout option)**

Please let me know if you require any further info or confirmations for the study.

Also for your reference, MTO has recently launched a MTO Highway Corridor Management System (HCMS) web-portal, with a "Request a Pre-Consultation" and "General Inquiry" function (<https://www.hcms.mto.gov.on.ca>). This platform has been developed to better serve the general public and development sectors and track the status of a submission. Once submitted the file will be assigned to the appropriate MTO staff to facilitate review and comment. This could be utilized on future Notice of Commencements, to reduce any delays in contacting MTO across the province.

Regards,

Allan Hodgins | Corridor Management Planner (A)

Ph. (226) 973-8580 | Fax (519) 873-4228

Email: allan.hodgins@ontario.ca



The Ministry of Transportation of Ontario
West Operations Branch | Corridor Management Section, West
1st Floor | 659 Exeter Road, London, Ontario, N6E 1L3
<https://www.hcms.mto.gov.on.ca>

From: Thompson, Gillie <Gillian.Thompson@wsp.com>

Sent: January 6, 2021 9:19 AM

To: DeVos, Kevin (MTO) <Kevin.Devos@ontario.ca>; Hodgins, Allan (MTO) <Allan.Hodgins@ontario.ca>; Stewart, Taylor (MTO) <Taylor.Stewart2@ontario.ca>

Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>

Subject: RE: Wellington Road 109 Bridge Study

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Thank you Kevin,

Just as an 'information refresh' to new people on the email chain....

- Wellington County is undertaking a Municipal Class EA to address the deteriorating condition of 4 structures on Wellington Road 109, immediately east of Highway 6 at Arthur.
- Pubic Information Centre 1 was made available as an online package on December 17, 2020 at: www.wellington.ca/109EA
- The planning solutions considered include: do nothing, rehabilitation, replacement, and a local permanent road realignment of WR109 to the south of the existing to reduce the number of watercourse crossings. A costs analysis (including lifecycle costing) was used to compare the replacement of the 4 structures with the permanent road realignment.
- The preliminary preferred solution is replacement of the 4 structures.

We are looking to confirm some MTO history in the area and any potential long range plans. This will help set the overall planning context and assist us in responding to questions from the public.

Beyond providing the planning context, MTO staff will also be involved in review of the design alternatives (in the next phase of the EA), specifically traffic management on WR109, given the close proximity to the intersection at Highway 6. We also anticipate MTO will have a permit/approval role in future.

Thank you
Gillie

Gillian Thompson, B.Sc., MCIP, RPP
Senior Planner / Project Manager
Transportation Planning



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Office + 1 905-823-8500
Mobile + 1 519-635-5733

From: DeVos, Kevin (MTO) <Kevin.Devos@ontario.ca>

Sent: January 5, 2021 7:36 PM

To: Thompson, Gillie <Gillian.Thompson@wsp.com>; Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>

Cc: Joe de Koning <joedk@wellington.ca>; Stewart, Taylor (MTO) <Taylor.Stewart2@ontario.ca>; Hodgins, Allan (MTO)

<Allan.Hodgins@ontario.ca>

Subject: RE: Wellington Road 109 Bridge Study

Hi Gillie,

Allan Hodgins (Corridor Management Planner) will be your MTO contact and he is copied on this email.

The questions that you submitted to Michael will be reviewed with our Project Delivery and Traffic staff. If a conference call is necessary, Allan will contact you directly to make the arrangements.

Thanks,

Kevin DeVos, LEL
Head, Corridor Management
Ministry of Transportation
West Operations
(519) 520-7901

From: Thompson, Gillie <Gillian.Thompson@wsp.com>

Sent: January 5, 2021 5:12 PM

To: Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>

Cc: Joe de Koning <joedk@wellington.ca>; DeVos, Kevin (MTO) <Kevin.Devos@ontario.ca>; Stewart, Taylor (MTO) <Taylor.Stewart2@ontario.ca>

Subject: RE: Wellington Road 109 Bridge Study

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Great, thank you Michael.

Gillie

Gillian Thompson, B.Sc., MCIP, RPP
Senior Planner / Project Manager
Transportation Planning



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Office + 1 905-823-8500
Mobile + 1 519-635-5733

From: Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>

Sent: January 5, 2021 4:40 PM

To: Thompson, Gillie <Gillian.Thompson@wsp.com>; Van Ruyven, William <William.VanRuyven@wsp.com>

Cc: Joe de Koning <joedk@wellington.ca>; DeVos, Kevin (MTO) <Kevin.Devos@ontario.ca>; Stewart, Taylor (MTO) <Taylor.Stewart2@ontario.ca>

Subject: RE: Wellington Road 109 Bridge Study

Hi Gillie,

Good catch, yes that was intended to read “We do **not** have any current plans”.

Regarding additional details, I will direct you to our Corridor Management Section to coordinate input to your study from our office. I have copied Kevin DeVos, Head of the section, who will assign a contact for you to work with directly.

Thank you,
Michael

From: Thompson, Gillie <Gillian.Thompson@wsp.com>

Sent: January-05-21 2:27 PM

To: Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>

Cc: Joe de Koning <joedk@wellington.ca>

Subject: RE: Wellington Road 109 Bridge Study

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Hi Michael, thank you for responding to our question so quickly!

I just had some follow-up items:

1. We assume the first sentence in your email was intended to say the Ministry does **not** have any current plans for changes to Highway 6 in this area.
2. Related to Question 1, while MTO has no *current plans* - has there been any consideration of a realignment around Arthur in the long term (i.e. 20 yr planning horizon)?
3. Related to Questions 1 and 2 - The comment we received from the member of the public indicated anecdotally “traffic problems at the WR109 and Hwy 6 intersection and heavy, through, traffic in the town of Arthur”. Has MTO registered similar anecdotal reports/complaints from local residents, travellers or Wellington North? Has there been or is there any plan by MTO to study potential issues?
4. Can you confirm the year that the intersection improvements were made at Highway 6 / WR109. Was a roundabout considered at that time? Or would a roundabout be considered in future?

If you feel a conference call would be helpful, we are happy to arrange a Zoom or MS Team call. Please let us know.

Many thanks
Gillie

Gillian Thompson, B.Sc., MCIP, RPP
Senior Planner / Project Manager
Transportation Planning



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Office + 1 905-823-8500
Mobile + 1 519-635-5733

From: Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>
Sent: January 5, 2021 1:43 PM
To: Van Ruyven, William <William.VanRuyven@wsp.com>
Cc: Thompson, Gillie <Gillian.Thompson@wsp.com>; Joe de Koning <joedk@wellington.ca>
Subject: RE: Wellington Road 109 Bridge Study

Hi William,

We do have any current plans for changes to Highway 6 in this area, or to the intersection with Wellington Road 109. This intersection was reconstructed within the last years or so. It has left turn lanes at all approaches and channelized right turns in the northwest and southeast quadrants. As part of the reconstruction, an additional area of asphalt was constructed immediately north of this intersection along the northbound lane to assist trucks making the west to north move at the intersection.

Let me know if you need any additional information or would like to discuss. I hope this helps.

Michael Nadeau, P.Eng., Manager, Engineering Program Delivery West
Transportation Infrastructure Management, Ministry of Transportation
659 Exeter Road | London, ON | N6E 1L3
Ph: 519.873.4373 | Cell: 226.688.4799
Email: michael.nadeau@ontario.ca



From: Van Ruyven, William <William.VanRuyven@wsp.com>
Sent: January-04-21 3:17 PM
To: Nadeau, Michael (MTO) <Michael.Nadeau@ontario.ca>
Cc: Thompson, Gillie <Gillian.Thompson@wsp.com>; Joe de Koning <joedk@wellington.ca>
Subject: FW: Wellington Road 109 Bridge Study

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Hi Michael,

I just spoke with Jason White and he suggested since this project is in West Region, you may be able to direct me to the correct contact.

I've highlighted in the email below a comment received by a local with regards to our current study east of Highway 6 on Wellington Road 109. In order to address this comment, I would like to confirm if the MTO has any future plans regarding the alignment of Highway 6 in Arthur.

Additional information for the study can be found:

<https://www.wellington.ca/en/resident-services/rd-wellingtonroad109ea.aspx#>

If you have any questions and would like to discuss further please feel free to call my cell.

Kind Regards,

William

William Van Ruyven, P.Eng., PMP
Project Manager

WSP Canada
t: 289-835-2627 c: 647-280-5895
William.VanRuyven@wsp.com

-----Original Message-----

From: Joe de Koning <joedk@wellington.ca>
Sent: December 18, 2020 8:00 PM
To: Thompson, Gillie <Gillian.Thompson@wsp.com>; Van Ruyven, William <William.VanRuyven@wsp.com>
Subject: Fwd: WR 109 Bridge Study

My first response.

Joe

Sent from my iPhone

Begin forwarded message:

From: [REDACTED]
Date: December 18, 2020 at 6:29:57 PM EST
To: Joe de Koning <joedk@wellington.ca>
Subject: WR 109 Bridge Study

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I am a concerned property owner in the study area. Please keep me informed on the EA progress.

I believe that given the limited scope of this study a wrong conclusion will be the outcome. A lot of money will be spent to fix bridges that would possibly be of no use in the future when the big picture of traffic problems at the WR109 and Hwy 6 intersection and heavy, through, traffic in the town of Arthur are addressed by a future study.

The long term solution could be a re-location of Hwy 6 to the west of Arthur and WR 109 re-located to the south to avoid the multiple river crossings.

[REDACTED]

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-LAEmHhHzdJzBITWfa4Hgs7pbKI

FILE LOCATION: S:\5894 HWY 6-FERGUS TO ARTHUR
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MODIFIED: 2006/10/18 10:15:23
REVISION: BY: C. DEAN
DRAWN BY: D. CAMPBELL

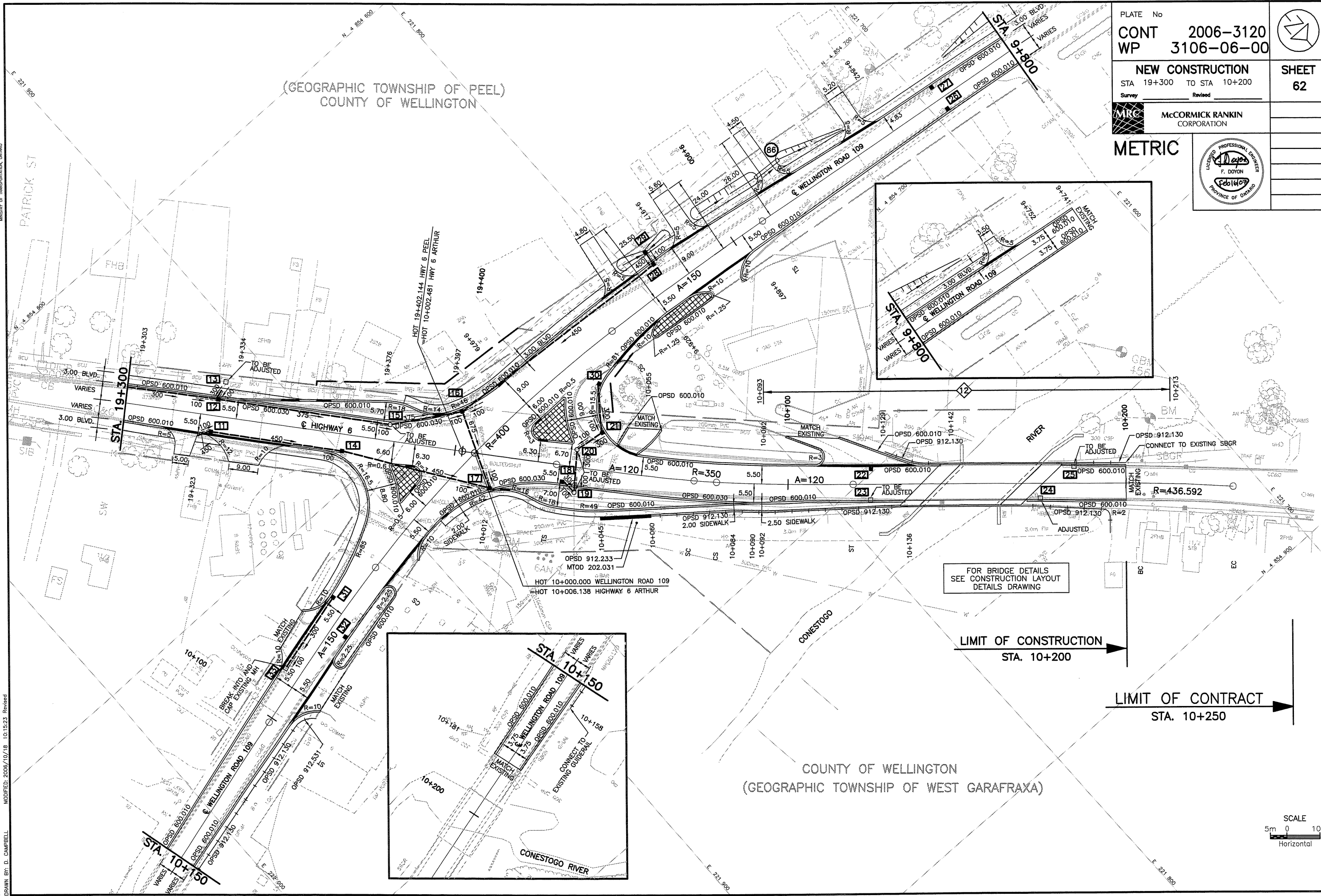


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CONT WP	3106-06-00	
NEW CONSTRUCTION		SHEET 62
STA 19+300 TO STA 10+200		
Survey		
Revised		
MRC		
McCORMICK RANKIN CORPORATION		
METRIC		

FOR BRIDGE DETAILS
SEE CONSTRUCTION LAYOUT
DETAILS DRAWING

LIMIT OF CONSTRUCTION
STA. 10+200

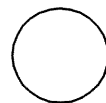
LIMIT OF CONTRACT
STA. 10+250

COUNTY OF WELLINGTON
(GEOGRAPHIC TOWNSHIP OF WEST GARAFRAXA)

SCALE
5m 0 10m
Horizontal

METRIC

PLATE No
CONT 2006-3120
WP 3106-06-00



PROFILES
STA 19+300 TO STA 10+200
Survey _____ Revised _____

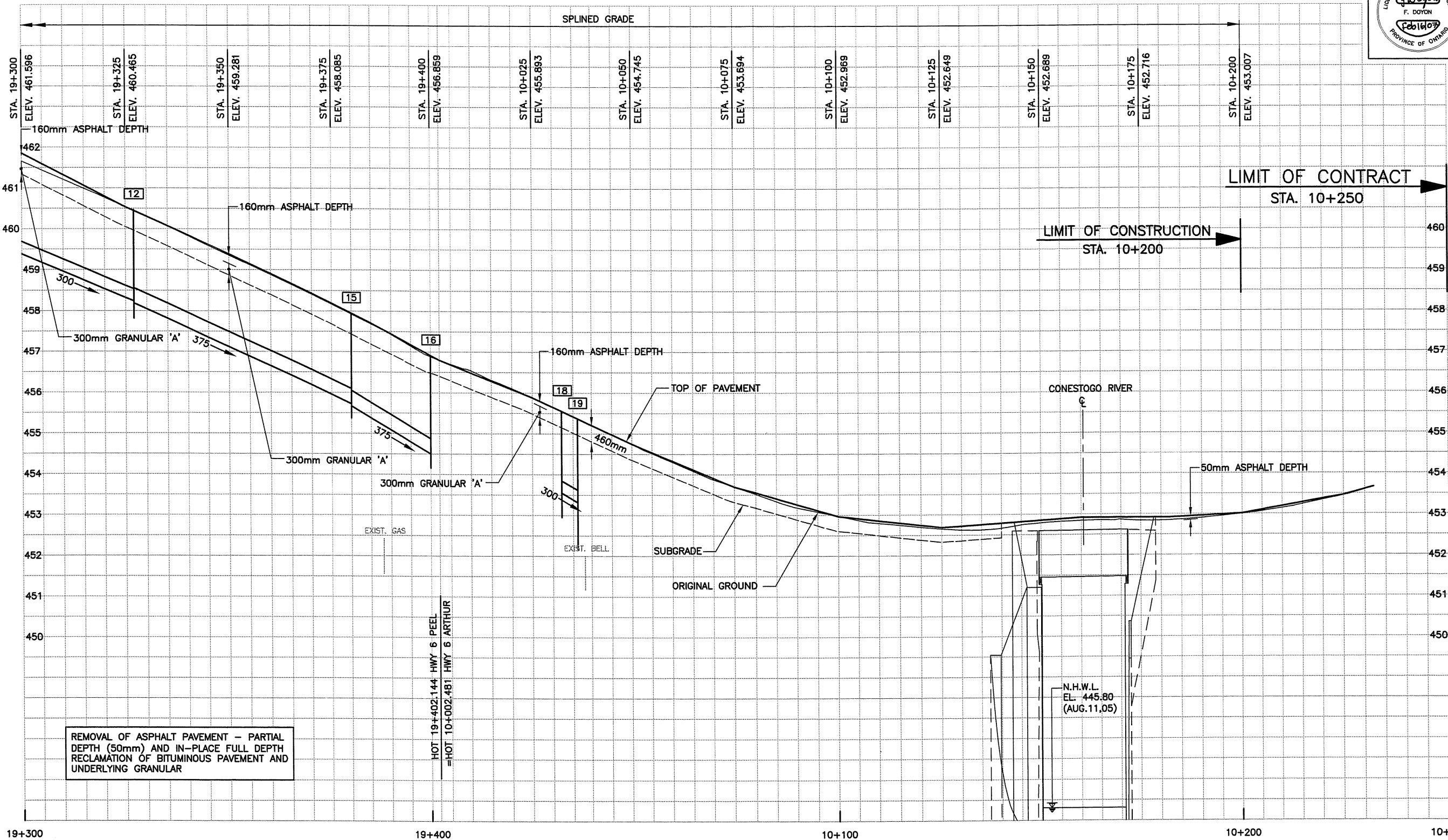
SHEET
63



MCCORMICK RANKIN
CORPORATION



HIGHWAY 6



Falcone, Olivia

From: Kirzati, Katherine (MHSTCI) <Katherine.Kirzati@ontario.ca>
Sent: December-17-20 4:01 PM
To: Falcone, Olivia
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

Good Afternoon Olivia:

Thank you for the notice re PIC 1. I was successful in downloading the online package.

The presentation notes that cultural heritage reports were prepared for the study area, including the bridges. Could you please send me a copy of the reports, for review and comments, so as to inform the EA process.

Thank you and regards, Katherine

Katherine Kirzati

Heritage Planner

Ministry of Heritage, Sport, Tourism and Culture Industries

Heritage Planning Unit Programs and Services Branch

401 Bay St, Suite 1700 Toronto, ON M7A 2R9

416.728.3494

katherine.kirzati@ontario.ca

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: December 14, 2020 4:51 PM
To: Falcone, Olivia <Olivia.Falcone@wsp.com>
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello,

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study was initiated in August 2020.

The County of Wellington has prepared an online Public Information Centre (PIC) package to introduce the study, review the study scope, existing conditions, problems and opportunities and alternative planning solutions, and seek input on these topics. Please refer to the attached Notice for more information. The PIC package can be found at www.wellington.ca/109EA starting on **December 17, 2020**.

If this study falls under the jurisdiction of another representative of your office, please forward this email to them and advise us at your earliest convenience.

If you have any questions, comments or concerns, you can reach the project team by contacting the County and WSP Project Managers listed in the notice.

Olivia Falcone, B.ES

Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

wsp.com

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-LAEmHhHzdJzBITWfa4Hgs7pbKI

Falcone, Olivia

From: Thompson, Gillie
Sent: January-15-21 10:07 AM
To: MNRF Ayl Planners (MNRF); Joe de Koning; Van Ruyven, William
Cc: Falcone, Olivia
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

Good morning Karina and thank you for your response. We will review the package and will be in touch should we have any questions.

Take care
Gillie

Gillian Thompson, B.Sc., MCIP, RPP
Senior Planner / Project Manager
Transportation Planning



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Office + 1 905-823-8500
Mobile + 1 519-635-5733

From: MNRF Ayl Planners (MNRF) <MNRF.Ayl.Planners@ontario.ca>
Sent: January 15, 2021 9:50 AM
To: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>
Cc: Thompson, Gillie <Gillian.Thompson@wsp.com>; Falcone, Olivia <Olivia.Falcone@wsp.com>
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

**Ministry of Natural
Resources and Forestry**

**Ministère des Richesses
naturelles et des Forêts**



January 15, 2021

Joe de Koning, P.Eng.
Construction Manager
County of Wellington
74 Woolwich Street
Guelph ON N1H 3T9
519.837.2601 x 2270
joedk@wellington.ca

William Van Ruyven, P.Eng.
Consultant Project Engineer

WSP
610 Chartwell Road, Suite 300
Oakville ON L6J 4A5
905.823.8500
william.vanruyven@wsp.com

Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

The Ministry of Natural Resources and Forestry (MNRF) received the attached notice for the proposed Wellington Road 109 project. Thank you for circulating this information to our office, however, please note that we have not completed a screening of natural heritage or other resource values for the project at this time. Please also note that it is your responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals.

This response provides information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, and engaging with the MNRF for advice as needed.

Natural Heritage & Endangered Species Act

In order to provide the most efficient service possible, the attached Natural Heritage Information Request Guide has been developed to assist you with accessing natural heritage data and values from convenient online sources.

It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.

The Ministry continues to work on updating data housed by Land Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information, please contact the Ministry of the Environment, Conservation and Parks at SAROntario@ontario.ca.

Petroleum Wells & Oil, Gas and Salt Resource Act

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website (www.ogsrlibrary.com) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the Library website in order to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at POSRecords@ontario.ca or 519-873-4634.

Public Lands Act & Lakes and Rivers Improvement Act

Some projects may be subject to the provisions of the *Public Lands Act* or the *Lakes and Rivers Improvement Act*. Please review the information on MNRF's web pages provided below regarding when an approval is required or not. Please note that many of the authorizations issued under the *Lakes and Rivers Improvement Act* are administered by the local Conservation Authority.

- For more information about the *Public Lands Act*: <https://www.ontario.ca/page/crown-land-work-permits>
- For more information about the *Lakes and Rivers Improvement Act*: <https://www.ontario.ca/document/lakes-and-rivers-improvement-act-administrative-guide>

The MNRF would appreciate the opportunity to review any draft reporting completed in support of this project when it becomes available.

If you have any questions or concerns, please feel free to contact me.

Sincerely,
Karina

Karina Černiavskaja, District Planner
Ministry of Natural Resources and Forestry
Email: MNRF.Ayl.Planners@ontario.ca



As part of providing [accessible customer service](#), please let me know if you have any accommodation needs or require communication supports or alternate formats.

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: December-14-20 4:51 PM
To: Falcone, Olivia <Olivia.Falcone@wsp.com>
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

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Hello,

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study was initiated in August 2020.

The County of Wellington has prepared an online Public Information Centre (PIC) package to introduce the study, review the study scope, existing conditions, problems and opportunities and alternative planning solutions, and seek input on these topics. Please refer to the attached Notice for more information. The PIC package can be found at www.wellington.ca/109EA starting on **December 17, 2020**.

If this study falls under the jurisdiction of another representative of your office, please forward this email to them and advise us at your earliest convenience.

If you have any questions, comments or concerns, you can reach the project team by contacting the County and WSP Project Managers listed in the notice.

Olivia Falcone, B.ES

Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
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-LAEmHhHzdJzBITWfa4Hgs7pbKI



Natural Heritage Information Request Guide

Regional Operations Division, Ministry of
Natural Resources & Forestry

Update – April 1, 2019

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1.0 Background, Purpose and Scope

1.1 Background

The Ministry of Natural Resources and Forestry (MNRF) maintains a substantial amount of natural heritage information. The Government of Ontario is committed to transparency, customer service, and making information more publicly accessible. Access to natural heritage information is critical to informing municipal planning processes, development activities, and other initiatives such as science and research. To make natural heritage information more accessible and better understood, this document consolidates available MNRF natural heritage information and outlines how this information can be accessed.

1.2 Purpose of this Guide

The purpose of this guide is three-fold:

1. To provide a directory of natural heritage information sources available from the MNRF;
2. To reduce wait times for users to access the data, especially considering that much of the information is open and accessible; and
3. To help users efficiently access available data.

It remains the proponent's responsibility to:

- Complete a preliminary screening for their projects,
- Obtain available information from multiple sources,
- Conduct any necessary field studies, and
- Consider any potential environmental impacts that may result from a proposed activity.

To provide the most efficient service possible, proponents should complete natural heritage screenings **prior** to contacting Government of Ontario Ministry offices or other agencies for more detailed technical information and advice. This guide provides detailed information on where and how to access information to screen a study area in advance of consulting with Ministries.

1.3 Scope

MNRF maintains and provides information related to its resource management and land use planning mandate, including natural heritage, fisheries, wildlife, mineral aggregate resources, crown lands, protected lands and more. This information is made available to organizations, private individuals, consultants, and developers through online sources and is often considered under various pieces of legislation or as part of regulatory

approvals and planning processes. This guide has been created to help users navigate the available natural heritage information to support various activities. This guide additionally provides a list of other sources of information beyond MNRF, although it is not intended to be an exhaustive list of available sources.

This guide does not replace the Natural Heritage Reference Manual but is intended to support it. This guide is not intended to circumvent any field studies that may be necessary to document features and assess impacts.

This guide is a resource for proponents during project planning. Reviewing the layers listed in the appendices will enable proponents to prepare for both proponent and government led Environmental Assessments. For projects proposed on crown land, MNRF is the permitting agency and there may be additional initial screening requirements. Further studies may be required depending on the nature and location of the project.

1.4 Audience

The intent of this public guide is to make it easier for the proponents and consultants to access relevant information. This guide will also help internal Ministry staff who are responding to information requests or site screenings.

1.5 Disclaimer

The information available from MNRF and the sources listed below in the appendices should **not be considered as a substitute for site visits and appropriate field surveys**. Generally, information available from MNRF can be regarded as a starting point from which to conduct further field studies, if needed. While this data represents MNRF's best available current information, it is important to note that a lack of information for a site does not mean that additional features and values are not present. There are many areas where MNRF does not currently have information. On-site assessments can better verify site conditions, identify natural features and values and confirm presence of species at risk and/or their habitats.

This guide will be updated from time to time. For a current version of this guide, please contact your local or regional Government of Ontario Ministry office. Up-to-date contact information for Ministry offices can be obtained through the Government of Ontario Employee and Organization Directory, Info-GO, available at <http://www.infogo.gov.on.ca/infogo/home.html>.

2.0 Data Resources

2.1 Make a Map: Natural Heritage Areas

The MNRF maintains the [Make a Natural Heritage Area Map](http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US): http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US which provides public access to natural heritage information without the user needing to have Geographic Information System (GIS) capability. It allows users to view and identify natural heritage features, mark areas of interest, and create and print a custom map directly from the web application. The tool also shows topographic information such as roads, rivers, contours and municipal boundaries.

Make a Natural Heritage Area Map should be consulted as a first step in screening for natural heritage features. This tool does not provide access to all of the MNRF's natural heritage information and some layers may be incomplete.

Users are advised that sensitive information has been removed from the natural areas dataset and the occurrences of species at risk, rare plant communities and wildlife concentration areas has been generalized to a 1-kilometre grid.

The web-based mapping tool displays natural heritage data, including:

- Generalized Species at risk occurrence data (based on a 1-km square grid),
- provincial parks and conservation reserves,
- Areas of Natural and Scientific Interest,
- Wetlands,
- Woodlands, and
- Natural Heritage Information Centre data.

Data cannot be downloaded directly from this web map, however, information included in this application is available digitally through [Land Information Ontario](https://www.ontario.ca/page/land-information-ontario): <https://www.ontario.ca/page/land-information-ontario> (LIO).

2.2 Land Information Ontario (LIO)

Most natural heritage data is publicly available. This data is managed in a large corporate database called the LIO Warehouse and can be discovered through the [LIO Metadata Management Tool](https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home): <https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home>. This tool provides descriptive information about the characteristics, quality and context of the data. Publicly available geospatial data can be downloaded directly from this site.

The LIO Metadata Management Tool helps users to find, assess and access GIS data and houses up to 350 data and information products. Geospatial data are available through this tool, including (but not limited to):

- **Aquatic Resource Area (ARA) data classes:** general fisheries spatial data including water body type, thermal regime and fish species
- **Spawning Area (fish)**
- **Nursery Area (fish)**
- **Nesting Site (birds)**
- **Areas of Natural and Scientific Interest (ANSIs)**
- **Wetlands**
- **Wintering Area (deer, moose, etc.)**
- **Fire (Potential Hazardous Forest Types for Wildland Fire)**

[Appendix A](#) links MNRF's authoritative, relevant data sets to the location in the LIO Database where the data can be downloaded.

Note that while most data is publicly available, some data may be considered highly sensitive (i.e., Nursery Areas for fish, species at risk observations), and as such, restrictions are in place limiting access to this information.

2.3 Species at Risk

For detailed information on species at risk, please visit [Make a Natural Heritage Areas Map](#) or contact the Ministry of Environment, Conservation and Parks at SAROntario@ontario.ca.

2.4 Public Agencies

Ministries, Municipalities and Conservation Authorities may have proposed infrastructure work that requires screening. In these instances, these broader public sector organizations should contact the appropriate Ministry Office to explore more efficient ways to access information and make decisions. This could include entering into data sharing agreements. Please note that many public agencies already have ongoing data sharing agreements in place with LIO and the Natural Heritage Information Centre (NHIC).

2.5 For Additional Information

For information pertaining to corporate data, contact LIO for support by email at lio@ontario.ca or by telephone at 705-755-1878.

For further information pertaining to the NHIC, including data sharing agreements, please email NHICrequests@ontario.ca or call 705-755-2159.

There may be circumstances where a local Government of Ontario office should be consulted for additional information and/or technical advice. For instance, projects proposed on Crown Land should be discussed early in the project planning process with local MNRF District staff.

A listing of District offices can be found on this web page
<https://www.ontario.ca/page/ministry-natural-resources-and-forestry-regional-and-district-offices>

Appendix A: Natural Heritage Mapping Resources

The table below provides users links to maps and GIS data depicting natural heritage. This list is intended to help guide a natural heritage screening exercise. Click in the *Information Source* column for hyperlinks.

Information Source	Theme	Instructions for using this information
Wetland	Significant Wetlands	Use field "WETLAND_SIGNIFICANCE = Evaluated-Provincial" for provincially significant wetlands.
	Coastal Wetlands	Use field "COASTAL_IND=Yes" for Coastal Wetlands
	Fish & Wildlife, Wetlands	Support evaluation and identification of habitat and wetlands. Please consult user guide for details. Consult the User Guide for more information.
Make a Natural Heritage Areas Map	Endangered and Threatened Species	Turn on the NHIC 1 km Grid square and use the Find... tool to query for species intersecting the grid. Consult the User guide for more information.
	Fish & Wildlife Habitat	Turn on the NHIC 1 km Grid square and use the Find... tool to query for species intersecting the grid. Consult the User guide for more information.
Provincially Tracked Species 1KM Grid	Endangered and Threatened Species	Use field "SARO_STAUS= 'Endangered' or SARO_STATUS='Threatened'" for Endangered and Threatened species.
Wintering Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Aquatic Feeding Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Breeding Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Calving Fawning Site	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.

Information Source	Theme	Instructions for using this information
Den Site	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Feeding Area, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Habitat Planning Range	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Mineral Lick	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Nesting Site	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Nursery Area, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Resting Area	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Staging Area, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
Travel Corridor, Wildlife	Wildlife Habitat	Supports evaluation and identification of wildlife habitat.
ANSI	Significant Areas of Natural and Scientific Interest	Use the field "ANSI_SIGNIFICANCE = Provincial" if you need to view only Provincially Significant ANSI. Consult the User Guide for more information.
Wooded Area	Woodlands	Supports evaluation and identification of significant woodlands and wildlife habitat
ARA Line Segment	Fish Species and Habitat	Supports evaluation and identification of fish habitat by indicating fish species present in the water feature. Consult the User Guide for more information.

Information Source	Theme	Instructions for using this information
ARA Polygon Segment	Fish Species and Habitat	Supports evaluation and identification of fish habitat by indicating fish species present in the water feature. Consult the User Guide for more information.
	At Capacity Lake Trout Lakes	Use field" AT_DEVELOPMENT_CAPACITY_IND = Yes" for designated at capacity lakes
Aquatic Resource Area (ARA) Survey Point	Fish Species	Supports evaluation and identification of fish habitat by indicating fish species present at that location. Consult the User Guide for more information.
Spawning Area	Fish Habitat	Supports evaluation and identification of fish habitat
Nursery Area, Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Staging Area, Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Feeding Area, Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Travel Corridor Fish	Fish Habitat	Supports evaluation and identification of fish habitat
Ecoregion	Ecoregions	Used to determine what ecoregion covers your area
Natural heritage System Area	Natural Heritage System	Identifies Natural Heritage System Areas within the Greenbelt Plan, the Oak Ridges Moraine Conservation Plan, the Niagara Escarpment Plan and the Growth Plan for the Greater Golden Horseshoe. Consult this guide for more information.
Breeding Bird Atlas	Wildlife Habitat	Provides additional information on the location of Breeding Birds
eBird	Wildlife Habitat	Provides additional information on bird sightings

Information Source	Theme	Instructions for using this information
Ontario Reptile and Amphibian Atlas	Wildlife Habitat	Provides additional information on Reptile and Amphibian sightings
iNaturalist	Fish & Wildlife Habitat	Provides additional information on fish & wildlife sightings

Appendix B: Natural Heritage Information Resources

The table below provides users links to Natural Heritage policies and documentation that should be referenced when conducting a natural heritage screening exercise. Click in the *Information Source* column for hyperlinks

Information Source	Theme	Description
https://www.ontario.ca/document/water-work-timing-window-guidelines	Water Work Timing windows	An information source that can be used to determine in-water work timing windows
Inland Lakes designated for Lake Trout management	Fish Habitat	A list of lakes in Ontario that are managed as Lake Trout lakes
Significant wildlife habitat guide	Wildlife Habitat	Provides detailed information on the identification, description and prioritization of significant wildlife habitat.
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 6E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 6E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 7E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 7E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 5E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 5E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 3E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 3E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 3W	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 3E
Significant wildlife habitat ecoregional criteria schedules: Ecoregion 4E	Wildlife Habitat	Provides detailed information on the description, criteria, information sources and assessment methods for significant wildlife habitat in Ecoregion 3E
Significant wildlife habitat mitigation support tool	Wildlife Habitat	Provides advice and recommendations on how to mitigate wildlife habitat during a development process
Natural heritage reference manual	Natural Heritage	Provides guidance for implementing the natural heritage policies of the Provincial policy Statement

Appendix C: Other information Sources

The table below provides users links to other data and resources that could be relevant when screening for development. Click in the *Information Source* column for hyperlinks

Information Source	Theme
Crown Land Use Policy Atlas	Crown Land
Make a Topographic Map	Base Data Mapping
Pits and Quarries	Aggregates
Aggregate resources policies and procedures	Aggregates
Aggregate resources study	Aggregates
Exploring for and extracting oil, natural gas and salt resources	Oil, Gas and Salt Resources
Petroleum wells	Oil, Gas and Salt Resources
Great Lakes – St. Lawrence River System and Large inland lakes: Technical Guides for flooding, erosion and dynamic beaches in support of natural hazards policies 3.1 of the provincial policy statement	Hazards
Adaptive Management of Stream Corridors in Ontario including Natural Hazards Technical Guides	Hazards
The Wildland Fire Risk Assessment and Mitigation Reference Manual	Hazards

Information Source	Theme
Public Lands Act	Crown Land
Crown land work permits	Crown Land
Aggregate resources	Aggregates
Lakes and Rivers Improvement Act	Crown Land
Licence to collect fish for scientific or education purposes	Fish
https://www.ontario.ca/search/data-catalogue	Base Data mapping
Fire - Potential Hazardous Forest Types for Wildland Fire	Hazards
MNR Region	Base Data mapping
MNR District	Base Data mapping
GeoBase	Base Data mapping
Mining Lands Administration System (MLAS) – Map Viewer	Mines
Geoconnections	Base Data mapping

Information Source	Theme
Ministry of Northern Development and Mines Mapping and link to Geology Ontario databases	Mines
Ministry of Environment, Conservation and Parks Data	Environment
National Air Photo Library	Aerial photos
Archives Ontario Aerial Photography	Aerial photos
GEOGratis	Base Data mapping
County Soils Maps	Base Data mapping
Forest Fire Info Map	Hazards
Agricultural Information Atlas	Agriculture
Crown Land Automated Internet Mapping System	Mines
COSINE	Base Data mapping
GEONAME	Base Data mapping
Government-wide data inventory	Base Data mapping

Falcone, Olivia

From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: December-15-20 11:16 AM
To: Falcone, Olivia
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

Please continue to provide them. I know that they usually are included in the final EA document, but sometimes we are asked to confirm that “process” has been properly followed.

Thank you

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(365) 366-8185

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: December 15, 2020 10:41 AM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

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Good morning Barb,

The Notice of Commencement was issued on August 27, 2020. The Notice and the Streamlined EA Project Information Form was provided to MECP on that date. I have attached the Notice of Study Commencement for your reference. Please advise if MCEP would prefer not to receive PIC Notices.

Kind Regards,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

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From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: December-15-20 9:31 AM
To: Falcone, Olivia <Olivia.Falcone@wsp.com>
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

Good morning Olivia,

I am the correct MECP person to be receiving this Notice. Please remind me as to when the Notice of Commencement was issued for this EA?

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(365) 366-8185

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: December 15, 2020 9:20 AM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Thompson, Gillie <Gillian.Thompson@wsp.com>
Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 1

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello,

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study was initiated in August 2020.

The County of Wellington has prepared an online Public Information Centre (PIC) package to introduce the study, review the study scope, existing conditions, problems and opportunities and alternative planning solutions, and seek input on these topics. Please refer to the attached Notice for more information. The PIC package can be found at www.wellington.ca/109EA starting on **December 17, 2020**.

If this study falls under the jurisdiction of another representative of your office, please forward this email to them and advise us at your earliest convenience.

If you have any questions, comments or concerns, you can reach the project team by contacting the County and WSP Project Managers listed in the notice.

Sincerely,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation

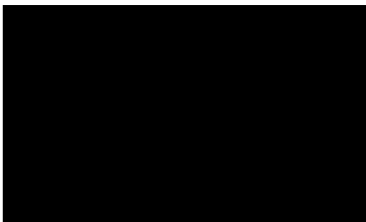
Falcone, Olivia

From: Van Ruyven, William
Sent: June-08-21 4:23 PM
To: Furfurica, Silvia; Falcone, Olivia
Cc: Yeung, Jamie; Joe de Koning
Subject: FW: Schedule C Municipal Class Environmental Assessment - WR# 109

From: [REDACTED]
Sent: June 8, 2021 4:21 PM
To: Van Ruyven, William <William.VanRuyven@wsp.com>
Subject: Re: Schedule C Municipal Class Environmental Assessment - WR# 109

Thanks William, it was very informative discussing this very important project with you today and I appreciate the time you dedicated to my call. The information included below is an accurate brief on our discussion.

I wish you good fortune on your upcoming adventure and am sure you will serve your new station well.



From: Van Ruyven, William <William.VanRuyven@wsp.com>
Sent: June 8, 2021 4:15 PM
To: JD Dinsdale <[REDACTED]>
Cc: Yeung, Jamie <Jamie.Yeung@wsp.com>; Joe de Koning <joedk@wellington.ca>; Falcone, Olivia

<Olivia.Falcone@wsp.com>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>

Subject: RE: Schedule C Municipal Class Environmental Assessment - WR# 109

Hi JD,

Thank you for the call this morning. As discussed, I've noted the following comments as they relate to the WR 109:

- At Structure B109132 (Conestogo River Bridge # 6), which is the bridge closest to Highway 6, it is noted that there is a large volume of truck traffic that is often slow to climb up WR 109 (eastbound) from the Highway 6 intersection/Tim Hortons/Gas Station. In order to address this, it may be worthwhile to consider a second lane (climbing lane/passing lane) over the bridge.
- In addition, it may be worth considering 4 lanes (2 eastbound and 2 westbound) given the planned growth in the community and traffic volumes. It is understood that the water treatment facility has been upgraded to accommodate 10,000 houses.

Through this email, your feedback will be documented in the study and I will follow up with the project team to ensure that these suggestions are considered.

In addition, since June 9th will be my last day with WSP, moving forward you can pass any additional notes on to Joe de Koning (County Manager of Roads, 519-837-2601) or Jamie Yeung (WSP PM, 289-835-2637).

Best Regards,

William



William Van Ruyven, P.Eng., PMP
Project Manager

WSP Canada

t: 289-835-2627 c: 647-280-5895

William.VanRuyven@wsp.com

From: [REDACTED]

Sent: August 31, 2020 10:32 PM

To: Van Ruyven, William <William.VanRuyven@wsp.com>

Subject: Re: Schedule C Municipal Class Environmental Assessment - WR# 109

Thank you for your quick response.

I will watch for the information with great interest.

From: Van Ruyven, William <William.VanRuyven@wsp.com>

Sent: August 31, 2020 4:39 PM

To: [REDACTED]

Cc: Thompson, Gillie <Gillian.Thompson@wsp.com>; Falcone, Olivia <Olivia.Falcone@wsp.com>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>

Subject: RE: Schedule C Municipal Class Environmental Assessment - WR# 109

Good afternoon JD, thank you for reaching out regarding the project.

Our direct mailout area includes all properties within Arthur and along Wellington Road 109, within the study area. If you received a Notice via regular mail then you are already included in the project mailing list and will continue to receive direct notices as the study progresses – no need to 'sign-in'.

There is additional study background information on the County website <https://www.wellington.ca/en/resident-services/rd-wellingtonroad109ea.aspx>

At two study milestones, we will provide a full information package of the study progress, key decision-making items and request for public feedback. We anticipate these milestones to be in late fall 2020 and early spring 2021. You will receive direct notices when these package become available online. If/when public meetings are permitted, these events may also consist of an open house.

If you have any other questions or information that we should be aware of, please do not hesitate to reach out via email again.

Thank you

Kind Regards,

William



William Van Ruyven, P.Eng.
Project Manager

WSP Canada

t: 289-835-2627 c: 647-280-5895

William.VanRuyven@wsp.com

From: [REDACTED]

Sent: August 31, 2020 3:45 PM

To: Van Ruyven, William <William.VanRuyven@wsp.com>

Subject: Schedule C Municipal Class Environmental Assessment - WR# 109

Good afternoon, my name is [REDACTED] and I received a letter from WSP today regarding the above-mentioned study.

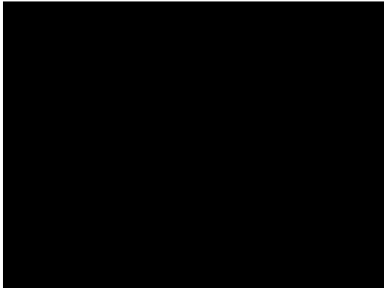
I am curious as to the process of inclusion as a member of the public.

Is this letter sent to everyone in the county or just a random sampling?

The letter doesn't specify whether I would need to 'sign on' as a member of the public or if it's just a notice and up to me to obtain information as the process moves forward.

If you are able to shed some light on these questions, I would be most appreciative.

Thank you in advance



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-LAEmlHhHzdJzBITWfa4Hgs7pbKI

Falcone, Olivia

From: Telus Utility Markups <telusutilitymarkups@Telecon.ca>
Sent: May-28-21 10:41 AM
To: Falcone, Olivia
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 2 Telus 2021-2920

Telus has no underground infrastructure in your area of study.

Indira Sharma
Project Support
289-657-8256
7777 Weston Road
Vaughan, ON L4L 0G9



www.telecon.ca

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: Thursday, May 27, 2021 4:38 PM
Cc: Van Ruyven, William <William.VanRuyven@wsp.com>; Joe de Koning <jokedk@wellington.ca>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>
Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 2

Hello,

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study was initiated in August 2020.

The County of Wellington has prepared an online Public Information Centre (PIC) package to confirm the preferred solution to replace the four structures, evaluate design and construction options including traffic management, and seek input on these topics. Please refer to the attached Notice for more information. This is the second and final PIC planned for the study. The PIC package can be found at www.wellington.ca/109EA starting on **May 27, 2021**.

If this study falls under the jurisdiction of another representative of your office, please forward this email to them and advise us at your earliest convenience.

If you have any questions, comments or concerns, you can reach the project team by contacting the County and WSP Project Managers listed in the notice.

Sincerely,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

wsp.com

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Falcone, Olivia

From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Sent: May-28-21 3:16 PM
To: Falcone, Olivia
Cc: Joe de Koning; Van Ruyven, William; Furfurica, Silvia; Del Villar Cuicas, Joan (MECP)
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 2
Attachments: MECP REAC Areas of Responsibility.pdf

Hi Olivia,

The EA Coordinator for Wellington County is Joan Del Villar (joan.delvillarcuicas@ontario.ca). I have attached a document showing the areas of responsibility of all the EA Coordinators for your reference.

Thanks,
Trevor

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: May 28, 2021 1:23 PM
To: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>
Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 2

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Hi Trevor,

This email was initially sent to Barb Slattery; however, it was undeliverable. Can you please advise who the correct contact at MECP is for future notices for this Study going forward?

Thanks,
Olivia

Hello,

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study was initiated in August 2020.

The County of Wellington has prepared an online Public Information Centre (PIC) package to confirm the preferred solution to replace the four structures, evaluate design and construction options including traffic management, and seek input on these topics. Please refer to the attached Notice for more information. This is the second and final PIC planned for the study. The PIC package can be found at www.wellington.ca/109EA starting on **May 27, 2021**.

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If you have any questions, comments or concerns, you can reach the project team by contacting the County and WSP Project Managers listed in the notice.

Sincerely,

Olivia Falcone, B.ES

Transportation Planner

Planning | Transportation



T: +1 905 829 6250

610 Chartwell Road, Suite 300
Oakville, Ontario
L6J 4A5 Canada

wsp.com

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Falcone, Olivia

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: June-02-21 11:12 AM
To: Falcone, Olivia
Cc: Van Ruyven, William; Joe de Koning; Furfurica, Silvia; Barboza, Karla (MHSTCI)
Subject: RE: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 2
Attachments: 2020-12-17 RE_ Wellington Road 109_PIC1_heritage reports.msg

Good Morning Olivia,

Thank you for providing us with the notice for the public information centre held for this undertaking on May 27th.

We note that a previous PIC (dated December 17, 2020) indicates that heritage reports were prepared for the study area, including the bridges. I've attached an email sent by Katherine Kirzati on December 17th requesting these reports for our review and comment. We have yet to receive copies of the aforementioned reports. Please provide us with copies of any technical cultural heritage studies completed in support of this undertaking for our review and comment.

Please note that Katherine Kirzati recently retired from the OPS and as such should be removed from your contacts list for this project moving forward. Please send all additional project updates and materials to Karla Barboza (cc'd) and myself.

Thanks,

Joseph Harvey | Heritage Planner (A)

Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit

Ministry of Heritage, Sport, Tourism and Culture Industries

401 Bay Street

17th Floor, Suite 1700

Toronto, ON M7A 0A7

613.242.3743

Joseph.Harvey@ontario.ca

From: Falcone, Olivia <Olivia.Falcone@wsp.com>

Sent: May 27, 2021 4:38 PM

Cc: Van Ruyven, William <William.VanRuyven@wsp.com>; Joe de Koning <jloedk@wellington.ca>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>

Subject: Wellington Road 109 MCEA Study - Notice of Public Information Centre (PIC) 2

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Hello,

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study was initiated in August 2020.

The County of Wellington has prepared an online Public Information Centre (PIC) package to confirm the preferred solution to replace the four structures, evaluate design and construction options including traffic management, and

seek input on these topics. Please refer to the attached Notice for more information. This is the second and final PIC planned for the study. The PIC package can be found at www.wellington.ca/109EA starting on **May 27, 2021**.

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If you have any questions, comments or concerns, you can reach the project team by contacting the County and WSP Project Managers listed in the notice.

Sincerely,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



T: +1 905 829 6250

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Oakville, Ontario
L6J 4A5 Canada

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Falcone, Olivia

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: June-11-21 5:29 PM
To: Tyers, Chelsey
Cc: Konrad, Joel; Falcone, Olivia; Offboarded-CA; Joe de Koning; Furfurica, Silvia; Barboza, Karla (MHSTCI)
Subject: RE: Wellington Road 109 EA: CHERs and HIAs

Hi Chelsey,

It was good speaking with you as well.

I can confirm that a combined approach to documenting cultural heritage due diligence for the four bridges is acceptable. To assist with the EA requirements related to the cultural heritage we will provide comments on the CHERs and HIAs completed for the four bridges.

Please accept our apologies as we are currently adapting our workflows and will be unable to provide feedback before the end of the public information centre's comment period. You can expect to receive our comments by **July 12**.

Kind regards,

Joseph Harvey | Heritage Planner (A)

Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit

Ministry of Heritage, Sport, Tourism and Culture Industries

401 Bay Street

17th Floor, Suite 1700

Toronto, ON M7A 0A7

613.242.3743

Joseph.Harvey@ontario.ca

From: Tyers, Chelsey <Chelsey.Tyers@wsp.com>
Sent: June 7, 2021 3:01 PM
To: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Cc: Konrad, Joel <Joel.Konrad@wsp.com>; Falcone, Olivia <Olivia.Falcone@wsp.com>; Van Ruyven, William <William.VanRuyven@wsp.com>; Joe de Koning <joe@wellington.ca>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>
Subject: Wellington Road 109 EA: CHERs and HIAs

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Joseph,

It was a pleasure speaking with you this afternoon. As discussed, here are the CHERs and HIAs completed for the four bridges along Wellington Road 109 just outside of Arthur for your review. Please let me know if you have any trouble accessing the documents through the following link.

 [WR 109 CHERs and HIAs](#)

As a side note, it seems I got my Lauras mixed up in our conversation this afternoon, but I suspect I've met Laura Hatcher somewhere along the line and I'm glad to hear she's back at MHSTCI.

Look forward to hearing from you.

Chelsey Tyers, BES, MCIP, RPP
Cultural Heritage Specialist
WSP

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Falcone, Olivia

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: July-14-21 11:55 AM
To: Tyers, Chelsey
Cc: Falcone, Olivia
Subject: RE: Wellington Road 109 EA: CHERs and HIAs

Thank you for your prompt reply. We should have our comments to you in the coming week.

Kind Regards,

Joseph Harvey
613 242 3743

From: Tyers, Chelsey <Chelsey.Tyers@wsp.com>
Sent: July 14, 2021 11:51 AM
To: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Cc: Falcone, Olivia <Olivia.Falcone@wsp.com>
Subject: RE: Wellington Road 109 EA: CHERs and HIAs

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Joseph,

My apologies for the delayed response. I've uploaded the HIA for Bridge #4 to the file share site (see link below). Let me know if you have any trouble accessing it.

Thanks,



Chelsey Tyers

Cultural Heritage Specialist
BES, RPP, MCIP

T+ 289-678-0333

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: Wednesday, July 14, 2021 11:40 AM
To: Tyers, Chelsey <Chelsey.Tyers@wsp.com>
Cc: Falcone, Olivia <Olivia.Falcone@wsp.com>; William.VanRuyven@wsp.com
Subject: RE: Wellington Road 109 EA: CHERs and HIAs

Good Morning Chelsey,

Hope all is well,

Just following to see if you were able to find the HIA for bridge 4. Apologies for not copying any additional project contacts prior.

Much obliged,

Joseph Harvey | Heritage Planner (A)

Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit

Ministry of Heritage, Sport, Tourism and Culture Industries

401 Bay Street

17th Floor, Suite 1700

Toronto, ON M7A 0A7

613.242.3743

Joseph.Harvey@ontario.ca

From: Harvey, Joseph (MHSTCI)

Sent: July 6, 2021 5:18 PM

To: Tyers, Chelsey <Chelsey.Tyers@wsp.com>

Subject: RE: Wellington Road 109 EA: CHERs and HIAs

Good Afternoon Chelsey,

Hope all is well,

I just noticed one minor issue. The HIA for bridge 4 is missing. If I open this document it includes the HIA for Bridge 5. Sorry for not notifying you sooner.

Please send the HIA for bridge 4.,

Joseph Harvey

613 242 3743

From: Tyers, Chelsey <Chelsey.Tyers@wsp.com>

Sent: June 7, 2021 3:01 PM

To: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>

Cc: Konrad, Joel <Joel.Konrad@wsp.com>; Falcone, Olivia <Olivia.Falcone@wsp.com>; Van Ruyven, William

<William.VanRuyven@wsp.com>; Joe de Koning <joedk@wellington.ca>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>

Subject: Wellington Road 109 EA: CHERs and HIAs

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Hello Joseph,

It was a pleasure speaking with you this afternoon. As discussed, here are the CHERs and HIAs completed for the four bridges along Wellington Road 109 just outside of Arthur for your review. Please let me know if you have any trouble accessing the documents through the following link.

 [WR 109 CHERs and HIAs](#)

As a side note, it seems I got my Lauras mixed up in our conversation this afternoon, but I suspect I've met Laura Hatcher somewhere along the line and I'm glad to hear she's back at MHSTCI.

Look forward to hearing from you.

Chelsey Tyers, BES, MCIP, RPP
Cultural Heritage Specialist
WSP

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Bakhit, Behnaz

Subject: RE: Wellington Road 109 Bridges EA: Revised CHERs and HIAs

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>

Sent: Tuesday, February 22, 2022 10:18 AM

To: Tyers, Chelsey <Chelsey.Tyers@wsp.com>

Cc: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>; Vazz, Christine <Christine.Vazz@wsp.com>; Yeung, Jamie <Jamie.Yeung@wsp.com>; Bakhit, Behnaz <Behnaz.Bakhit@wsp.com>

Subject: RE: Wellington Road 109 Bridges EA: Revised CHERs and HIAs

Chelsey Tyers,

Please find attached MHSTCI's letter addressing the above referenced technical cultural heritage studies.

Thank you for consulting with us on this project and please continue to do so throughout the EA process. Contact me if you have any questions or require clarification.

Kind regards,

Joseph Harvey | Heritage Planner

Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit

Ministry of Heritage, Sport, Tourism and Culture Industries

613.242.3743

Joseph.Harvey@ontario.ca

From: Tyers, Chelsey <Chelsey.Tyers@wsp.com>

Sent: February 2, 2022 2:58 PM

To: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>

Cc: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>; Vazz, Christine <Christine.Vazz@wsp.com>; Yeung, Jamie <Jamie.Yeung@wsp.com>; Bakhit, Behnaz <Behnaz.Bakhit@wsp.com>

Subject: Wellington Road 109 Bridges EA: Revised CHERs and HIAs

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 [WR 109 CHERs and HIAs](#)

Good afternoon Joseph,

WSP has revised the CHERs and HIAs for the Wellington Road 109 Bridge EA to address your comments (see above link). Please let us know if we've addressed your comments or if you have any additional comments.

Thank you,

Chelsey Tyers

Cultural Heritage Specialist

BES, RPP, MCIP

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February 22, 2022

EMAIL ONLY

Chelsey Tyers, BES, MCIP, RPP
Cultural Heritage Specialist
WSP

Chelsey.Tyers@wsp.com

MHSTCI File : 0006415
Proponent : County of Wellington
Subject : Technical Cultural Heritage Studies (CHERs and HIAs) for
Wellington Road 109 Bridges:

- Conestogo River Bridge #4 (B109133)
- Conestogo River Bridge #5 (B109123)
- Conestogo River Bridge #6 (B109132)
- Conestogo River Bridge #10 (B109134)

Project : Wellington Road 109 Bridges
Location : Township of North Wellington

Dear Chelsey Tyers:

Thank you for your email dated February 2, 2022 providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the revised Cultural Heritage Evaluation Reports and Heritage Impact Assessments (CHERs and HIAs). MHSTCI's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage.

Project Summary

The County of Wellington is undertaking a Schedule C Municipal Class Environmental Assessment (Class EA) study to consider potential solutions to address the poor condition of the following four structures which cross the Conestogo River on Wellington Road 109, just east of Arthur. The CHERs were completed to support this undertaking and inform the decision-making process.

Comments

MHSTCI has reviewed the CHERs and HIAs for the above-referenced bridges on Wellington Road 109, all prepared by WSP between October 2021 and January 2022. and found these reports to be consistent with the requirements, guidance and standards of the Municipal Class EA and with best practice guidance prepared by MHSTCI.

MHSTCI recommends that the technical cultural heritage studies are appended to any EA report for public review and should be made available to local heritage organizations or any individuals who express an interest throughout the EA process.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. Contact me if you have any questions or require clarification.

Regards,

Sincerely,

Joseph Harvey
Heritage Planner
joseph.harvey@Ontario.ca

Copied to: Jamie Yeung, Project Engineer, WSP
Behnaz Bakhit, Project Consultant, WSP
Christina Vazz, Environmental Planner, WSP
Karla Barboza, (A) Team Lead – Heritage, MHSTCI

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI (at archaeology@ontario.ca) if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police and coroner must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified (at archaeology@ontario.ca) to ensure that the site is not subject to unlicensed alterations which would be a contravention of the Ontario Heritage Act.

Falcone, Olivia

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: September-15-20 2:58 PM
To: Van Ruyven, William
Cc: Kirzati, Katherine (MHSTCI); Barboza, Karla (MHSTCI); Joe de Koning; Falcone, Olivia
Subject: File 0006415: Municipal Class EA Study for Wellington Road 109 - Notice of Study Commencement
Attachments: 2020-09-15_WellingtonRd109-MHSTCI-Ltr.pdf

William Van Ruyven,

Please find attached MHSTCI comments on the above referenced project. Please do not hesitate to contact Katherine Kirzati if you have any questions.

Joseph Harvey
On behalf of

Katherine Kirzati
Heritage Planner
Heritage Planning Unit
Katherine.Kirzati@Ontario.ca

**Ministry of Heritage, Sport,
Tourism and Culture Industries**

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.728.3494

**Ministère des Industries du Patrimoine,
du Sport, du Tourisme et de la Culture**

Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON M7A 0A7
Tél: 416.728.3494



September 15, 2020

EMAIL ONLY

William Van Ruyven, P. Eng.
Consultant Project Engineer
WSP Canada Group Ltd.
610 Chartwell Road, Suite 300
Oakville, ON L6J 4A5
william.vanruyven@wsp.com

MHSTCI File : 0006415
Proponent : The County of Wellington
**Subject : Notice of Study Commencement – Schedule C – Municipal Class
EA**
Project : Wellington Road 109 Bridges
Location : Township of North Wellington

Dear William Van Ruyven:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Cultural Industries (MHSTCI) with the Notice of Study Commencement for the above-referenced project. MHSTCI's interest in this environmental assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage.

Project Summary

Wellington County Road 109 crosses the Conestogo River at four locations between Highway 6 and Sideroad 7, southeast of community of Arthur. The bridges at all four crossings are in an advanced state of deterioration with some elements identified as not meeting current standards. The County is considering options to address these conditions. The study will be conducted in accordance with the requirements for Schedule C projects of the Municipal Class Environmental Assessment.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

Cultural, Heritage & Archaeological Resources Assessment Checklists

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources. The Municipal Engineers Association provides screening criteria for work on bridges that falls under the Municipal Class EA with a [checklist](#) and [background material](#) available online, developed in coordination with MHSTCI.

Part A – Municipal Class EA Activity Selection

The [checklist](#) and [background materials](#) are used to determine the Municipal Class EA project schedule (A, A+, B or C). Completing the remainder of this checklist determines what technical cultural heritage studies may be required.

As noted in the project notice, this study will be conducted in accordance with the requirements for Schedule C projects of the Municipal Class Environmental Assessment.

Part B - Cultural Heritage Assessment

If Part B of the checklist determines that the bridge or study area warrants the preparation of a Cultural Heritage Evaluation Report (CHER), and the undertaking of a Heritage Impact Assessment (HIA), our ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. CHERs and HIAs are to be prepared by qualified consultants. Please send HIAs to MHSTCI for review and make copies available to local organizations or individuals who have expressed an interest in cultural heritage.

Part C – Heritage Assessment

If Part C of the checklist determines that the CHER has identified heritage features on the project and recommends that a Heritage Impact Assessment (HIA) be undertaken, our Ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. CHERs and HIAs are to be prepared by qualified consultants. Please send HIAs to MHSTCI for review and make copies available to local organizations or individuals who have expressed an interest in cultural heritage.

Part D – Archaeological Resources Assessment

If Part D of the checklist establishes that an archaeological assessment is required, it is to be conducted by an archaeologist licenced under the *Ontario Heritage Act (OHA)*, who is responsible for submitting the report directly to MHSTCI for review. MHSTCI archaeological sites data are available at archaeology@ontario.ca.

After completing the checklist, please update MHSTCI on the project Class EA schedule and whether any technical cultural heritage studies will be completed for the project. Please provide all technical heritage studies to MHSTCI before issuing a Notice of Completion or commencing any of work on site.

Environmental Assessment Reporting

All technical cultural heritage studies and their recommendations are to be addressed and incorporated into EA projects. If the screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank you for consulting MHSTCI on this project. Please continue to do so through the EA process, and contact Katherine Kirzati for any questions or clarification.

Sincerely,

Joseph Harvey

On behalf of

Katherine Kirzati

Heritage Planner

Heritage Planning Unit

Katherine.Kirzati@Ontario.ca

Copied to: Joe de Koning, Construction Manager, County of Wellington
Olivia Falcone, Transportation Planner, WSP Canada Group Ltd.

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the Ontario Heritage Act and the Standards and Guidelines for Consultant Archaeologists.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

From: Adam LaForme <Adam.LaForme@mncfn.ca>
Sent: January 11, 2022 4:14 PM
To: Ramsoomair, Craig <Craig.Ramsoomair@wsp.com>; Adrian Blake <Adrian.Blake@mncfn.ca>
Cc: Morgan, Jenn <Jenn.Morgan@wsp.com>
Subject: RE: St 1-2 AA: Wellington Rd 109 (DOCA #2020-0470)

Hi Craig,

Hope you had a great holiday season.

I've had a chance to look over your photos, and I agree there does not seem to be any potential outside of the possible marine Archaeology. I do not have any concerns at this time, please keep us informed if you do proceed with marine archaeology.

Thank you,

Adam LaForme (he/him)
Archeological Operations Supervisor



Mississaugas of the Credit First Nation (MCFN)
Department of Consultation and Accommodation (DOCA)
4065 Highway 6 North, Hagersville, ON N0A 1H0
Cell 289-527-2763

From: Ramsoomair, Craig <Craig.Ramsoomair@wsp.com>
Sent: January 11, 2022 4:04 PM
To: Adrian Blake <Adrian.Blake@mncfn.ca>; Adam LaForme <Adam.LaForme@mncfn.ca>
Cc: Morgan, Jenn <Jenn.Morgan@wsp.com>
Subject: RE: St 1-2 AA: Wellington Rd 109 (DOCA #2020-0470)

Hi Adam and Adrian,

I hope you both had a restful holiday. Just touching base quickly since I sent this e-mail right on the cusp of the holiday break and didn't want it to slip through the cracks. If you are able to let us know if MCFN has any concerns or when we could expect to hear back, that would be greatly appreciated.

Thanks,

Craig Ramsoomair, MA



Professional Archaeologist
(He/him)

T+ 1 416-616-1303
M+ 1 416-997-5180

WSP Canada Inc.
582 Lancaster West
Kitchener, Ontario
N2K 1M3 Canada

From: [Ramsoomair, Craig](#)
Sent: December 17, 2021 10:50 AM
To: [Adrian Blake](#); [Adam LaForme](#)
Cc: [Morgan, Jenn](#)
Subject: St 1-2 AA: Wellington Rd 109 (DOCA #2020-0470)

Good morning Adrian and Adam,

I hope all is well! I am emailing to inform you that we will be submitting a change in Stage for this project from a Stage 1-2 to a Stage 1. As you know, we were planning to conduct the Stage 1-2 several weeks ago, but were delayed due to weather. In an attempt to determine if we could get out to complete any needed test pitting, I headed out to confirm the amount of snow cover and saturation in the area. I had a look at the conditions of the four bridges and it was clear that the study areas have been previously disturbed as they consists of areas of slope from the bridge construction, ditches and culverts, and underground gas lines. The remaining areas were either marsh, or within the river itself. I couldn't find any areas that we would have subjected to test pit survey within the study area boundaries.

I have attached a document to include the photographs and maps of the conditions. Although there are no areas to test pit, we will be recommending marine archaeology should this work have any in-water impacts as all four bridges are crossing the Conestogo River, a tributary of the Grand. A draft Stage 1 report will be sent to MCFN for review and we will inform MCFN if WSP is retained to perform any marine archaeological services for this project. Please let me know if MCFN has any questions or would like further details. Otherwise, I hope you both have a great holiday break!

Kind regards,



Craig Ramsoomair, MA
Professional Archaeologist
(He/him)

T+ 1 416-616-1303
M+ 1 416-997-5180

WSP Canada Inc.
582 Lancaster West
Kitchener, Ontario
N2K 1M3 Canada

Falcone, Olivia

From: Fawn Sault <Fawn.Sault@mncfn.ca>
Sent: June-03-21 9:48 AM
To: Falcone, Olivia
Cc: Joe de Koning; Van Ruyven, William; Furfurica, Silvia; Megan DeVries; Mark LaForme
Subject: RE: Wellington Road 109 Municipal Class EA Study - Notice of Public Information Centre (PIC) 2

Good Morning Olivia,

Thank you for the notification. I will be sending a formal response letter in the future but in the meantime I would like to express that MCFN expects to have our Field Liaison Representatives on site for the Stage 2 field archaeological work. I have included Megan DeVries, our Archaeological Operations Supervisor, she will send you the contracts that need to be executed in order for us to participate. Also the contract should be between MCFN and Wellington County.

Please let me know if you have any questions.

Miigwech,

Fawn Sault
Consultation Coordinator
Mississaugas of the Credit First Nation
4065 Hwy. 6, Hagersville, N0A 1H0
Website: <http://mncfn.ca/>
Ph: 905-768-4260
Cell:289-527-6580

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: Friday, May 28, 2021 1:15 PM
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>
Subject: Wellington Road 109 Municipal Class EA Study - Notice of Public Information Centre (PIC) 2

Hello,

The purpose of this email is to provide an update of the Wellington Road 109 Schedule C Municipal Class EA study.

In August 2020, the County of Wellington initiated a Schedule C Municipal Class Environmental Assessment Study for Wellington Road 109 from Highway 6 to Sideroad 7, located in the Township of North Wellington. The study has considered a range of options to address the deteriorating conditions of four bridges over the Conestogo River, on WR109 just east of Arthur.

Planning options that were considered included rehabilitation of the existing bridges, replacement of the existing bridges in their current locations, and a new local realignment of WR109 that sought to reduce the number of bridge crossings. The recommended option is the replacement of all four bridges in their existing locations. Existing conditions

information and a review of the planning options were presented in an online Public Information Package 1 that was launched in December 2020. The package can be found at: <https://www.wellington.ca/en/resident-services/resources/Roads/EA-Documents/WR109-Public-Information-Centre-1-Package.pdf>

Online Public Information Package 2 will be available starting on **May 27, 2021**. This package reviews the various construction methods and bridge types being considered, along with preliminary recommendations. The package can be found at: www.wellington.ca/109EA

A Stage 2 Archaeological Assessment will be undertaken in summer 2021 in the vicinity of each of the four bridges. The review area will include the anticipated construction footprint. WSP will be completing this work on behalf of Wellington County.

An assessment of ecological impacts will also be prepared and appropriate environmental protection and mitigation measures will be recommended.

As rights-holders, we invite your community's participation in this study, recognizing that you are likely to have a particular interest in the archeological review and in the protection of natural environmental features. Please inform the Project Team if your community wishes to participate in the Stage 2 field review.

Please let me know if you wish to meet with Wellington County and the Project Team to discuss the project and your community's participation in more detail.

Thank you,

Olivia Falcone, B.ES
Transportation Planner

Planning | Transportation



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L6J 4A5 Canada

www.wsp.com

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Falcone, Olivia

From: Megan DeVries <Megan.DeVries@mncfn.ca>
Sent: June-07-21 1:36 PM
To: Fawn Sault; Falcone, Olivia
Cc: Joe de Koning; Van Ruyven, William; Furfurica, Silvia; Mark LaForme
Subject: RE: Wellington Road 109 Municipal Class EA Study - Notice of Public Information Centre (PIC) 2
Attachments: MCFN FLR Participation Agreement [2021].docx; DOCA Archaeological Review Agreement [2021].docx; MCFN Standards and Guidelines for Archaeology [2020].pdf

Good afternoon,

As discussed below, please find attached the Field Liaison Representative participation agreement for review and execution by Wellington County to facilitate MCFN's involvement in the upcoming Stage 2 archaeological assessment for Wellington Road 109.

Please note that, in order to continue maintaining DOCA capacity for fulsome project participation, DOCA charges for technical review of project information. In the exercise of its stewardship responsibility, DOCA seeks to work together with project proponents and their archaeological consultants to ensure that archaeological work is done properly and respectfully. DOCA has retained technical advisers with expertise in the field of archaeology. These experts will review the technical aspects and cultural appropriateness of the archaeological assessments and strategies associated with your project. The proponent is expected to pay the costs for MCFN to engage in a technical review of the project. Please find attached the agreement that covers MCFN's inhouse technical review of the archaeological assessments and strategies associated with your project(s). If you could please fill in the additional required information, highlighted in yellow, and return to us a signed copy, that would be greatly appreciated. After we have received it, we can execute the contracts on our end and return the completed contract to you.

Sincerely,
Megan.

Megan DeVries, M.A. (she/her)
Archaeological Operations Supervisor



Department of Consultation and Accommodation (DOCA)
Mississaugas of the Credit First Nation (MCFN)
4065 Highway 6 North, Hagersville, ON N0A 1H0
Mobile: 289-527-2763
<http://www.mncfn.ca>

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From: Fawn Sault
Sent: Thursday, June 3, 2021 9:48 AM
To: Falcone, Olivia <Olivia.Falcone@wsp.com>
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>; Megan DeVries <Megan.DeVries@mncfn.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: RE: Wellington Road 109 Municipal Class EA Study - Notice of Public Information Centre (PIC) 2

Good Morning Olivia,

Thank you for the notification. I will be sending a formal response letter in the future but in the meantime I would like to express that MCFN expects to have our Field Liaison Representatives on site for the Stage 2 field archaeological work. I have included Megan DeVries, our Archaeological Operations Supervisor, she will send you the contracts that need to be executed in order for us to participate. Also the contract should be between MCFN and Wellington County.

Please let me know if you have any questions.

Miigwech,

Fawn Sault
Consultation Coordinator
Mississaugas of the Credit First Nation
4065 Hwy. 6, Hagersville, N0A 1H0
Website: <http://mncfn.ca/>
Ph: 905-768-4260
Cell:289-527-6580

From: Falcone, Olivia <Olivia.Falcone@wsp.com>
Sent: Friday, May 28, 2021 1:15 PM
Cc: Joe de Koning <joedk@wellington.ca>; Van Ruyven, William <William.VanRuyven@wsp.com>; Furfurica, Silvia <Silvia.Furfurica@wsp.com>
Subject: Wellington Road 109 Municipal Class EA Study - Notice of Public Information Centre (PIC) 2

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Planning options that were considered included rehabilitation of the existing bridges, replacement of the existing bridges in their current locations, and a new local realignment of WR109 that sought to reduce the number of bridge crossings. The recommended option is the replacement of all four bridges in their existing locations. Existing conditions information and a review of the planning options were presented in an online Public Information Package 1 that was launched in December 2020. The package can be found at: <https://www.wellington.ca/en/resident-services/resources/Roads/EA-Documents/WR109-Public-Information-Centre-1-Package.pdf>

Online Public Information Package 2 will be available starting on **May 27, 2021**. This package reviews the various construction methods and bridge types being considered, along with preliminary recommendations. The package can be found at: www.wellington.ca/109EA

A Stage 2 Archaeological Assessment will be undertaken in summer 2021 in the vicinity of each of the four bridges. The review area will include the anticipated construction footprint. WSP will be completing this work on behalf of Wellington County.

An assessment of ecological impacts will also be prepared and appropriate environmental protection and mitigation measures will be recommended.

As rights-holders, we invite your community's participation in this study, recognizing that you are likely to have a particular interest in the archeological review and in the protection of natural environmental features. Please inform the Project Team if your community wishes to participate in the Stage 2 field review.

Please let me know if you wish to meet with Wellington County and the Project Team to discuss the project and your community's participation in more detail.

Thank you,

Olivia Falcone, B.ES

Transportation Planner

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L6J 4A5 Canada

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-LAEmHhHzdJzBITWfa4Hgs7pbKl

Field Liaison Representative Participation Agreement
between:
The Mississaugas of the Credit First Nation
and
[name of the proponent]

A - Background

1. The purpose of this agreement is to provide the Mississaugas of the Credit First Nation (hereinafter, “MCFN”) with capacity assistance to its Field Liaison Representatives (hereinafter, “FLRs”) in connection with all environmental and/or archaeological assessments required for the [name of project] (hereinafter, “the Project”) located at [address], in [town/city], Ontario, owned by [name of the proponent], (hereinafter, “the Proponent”).
2. The Proponent understands that MCFN wishes to send its FLRs to participate in and monitor the assessments associated with the Project, and that the FLRs’ mandate will be to ensure that MCFN’s perspectives and priorities are considered and to enable MCFN to provide timely and meaningful comment on the Project.
3. All archaeological work in connection with any Project in the Territory will be carried out in accordance with the *Ontario Heritage Act* and its Regulations. The archaeological work will meet or exceed the Ontario Ministry of Heritage, Sport, Tourism, and Culture Industries (hereinafter, “MHSTCI”) standards and guidelines for consultant archaeologists as amended, including the *Terms and Conditions for Archaeological Licences, Standards and Guidelines for Consultant Archaeologists (2011)* and the *Draft Engaging Aboriginal Communities in Archaeology Technical Bulletin (2011)*, (hereinafter collectively, “MHSTCI Standards 2011”).
4. The Proponent agrees that all archaeological work conducted for the Project will comply with the MCFN *Standards and Guidelines for Archaeology* (published April 2, 2018), (hereinafter, “MCFN Standards”) as long as the MCFN Standards do not fall below MHSTCI Standards 2011. The MHSTCI Standards 2011 will be paramount in the event of a direct conflict between MCFN Standards and the MHSTCI Standards 2011.
5. Nothing in this Agreement shall be interpreted or implemented so as to derogate or abrogate from any MCFN Aboriginal or Treaty right or claim, or to indicate consent to the Project.

B – Fees and Cost Structure

6. The Proponent will provide capacity funding for each FLR in the amount of \$85.00 per hour for all activities relating to the Project. Activities relating to the Project include, but are not limited to:
 - a. Time spent on site monitoring assessment or predetermined construction-related activities;
 - b. Time spent completing data or artifact processing, identification, analysis, and interpretation activities alongside their consultant(s);
 - c. Actual travel time at the beginning of, during, and/or end of each day;
 - d. Time completing daily notes relating to the Project;
 - e. Time spent on standby at the request of the Proponent or their consultant(s); and
 - f. Time completing mandatory training at the request of the Proponent or their consultant(s).
7. The Proponent will pay a supervisory fee of 3.5%, based on the number of hours charged to the Proponent, to provide MCFN with the capacity to facilitate in-field technical support for the FLRs via the Field Archaeologist.
8. The Proponent will reimburse the FLRs for reasonable mileage and meals in accordance with current Federal Canada Treasury Board guidelines, over and above the hourly rate [see Schedule B]. Mileage rates are determined using the MCFN Department of Consultation and Accommodation as the place of departure.
9. The Proponent will provide capacity funding for each FLR in the amount of \$125.00 per hour for any work exceeding eight hours per day and/or forty hours per week. The above noted mileage and meal allowance remains in effect.
10. The Proponent will provide capacity funding for each FLR in the amount of \$125.00 per hour for any work occurring on the following holidays: New Year's Day, Family Day, Good Friday, Victoria Day, Indigenous Solidarity Day (June 21), Canada Day, Civic Holiday, Labour Day, Thanksgiving Day, Remembrance Day, Christmas Day, and Boxing Day. The above noted mileage and meal allowance rates remain in effect.
11. The Proponent agrees that the FLRs will be paid for a minimum of three hours, plus actual travel time, mileage, and meal allowance rates as noted above, on any day when work is cancelled by the Proponent or their consultant(s) while FLRs are en route to the work site or after the FLRs have already arrived.

12. If its use is deemed necessary by both Parties, the Proponent agrees to reimburse the FLRs for their use of the 407ETR upon receipt of a copy of the bill. This agreement will be provided in writing to MCFN's Field Coordinator.
13. If deemed reasonable by both Parties, the Proponent agrees to cover the cost of overnight accommodation for FLRs participating in environmental and/or archaeological fieldwork at locations which would otherwise require more than 90 minutes of travel time at both the beginning and end of the work day, as determined using the MCFN Department of Consultation and Accommodation as the place of departure. An additional Incidental Allowance fee is required for any work which requires overnight accommodations, as set out in Schedule B. This agreement will be provided in writing to MCFN's Field Coordinator.

C – Additional Conditions

14. The parties acknowledge that the Project, in whole or in part, takes place within MCFN Territory and agree that the Proponent shall provide capacity funding for FLR participation on the Project for the duration of the Project.
15. The Proponent agrees that two FLRs shall be on location whenever Project-related activities are taking place within its Territory, as set out in Schedule A.
16. Furthermore, additional FLRs are required if the number of field personnel utilized by the consultant exceeds fourteen (14) individuals and the Proponent agrees to provide capacity funding for additional FLRs as required. MCFN requires one additional FLR per five additional field crew, as outlined in the chart below:

Number of Field Personnel	Number of FLRs Required
1 to 14	2
15 to 19	3
20 to 24	4
25 to 29	5
30 to 34	6
35 to 39	7
40+	8+

17. The Parties acknowledge that the FLRs time and travel will be recorded and verified using the ClockShark Time Tracking Software System and that invoicing will be prepared using these records, not those of a third party.

18. If archaeological resources are encountered at any time during construction or other Project-related activity, all excavation or other activity that could disturb the site shall immediately cease, and the Proponent shall immediately notify MCFN's Archaeological Operations Supervisor or designate. The Parties shall work collaboratively to minimize impacts and ensure respectful treatment of any archaeological resources in accordance with the practices and values of MCFN as identified by MCFN.
19. If human remains are encountered at any time during construction or other Project-related activity, the following steps shall be taken:
- All excavation or other activity that could disturb the site shall immediately cease, and the area shall be secured in a manner which protects the site location and prevents public access and trespass; and
 - In addition to any notifications required under the *Funeral, Burial and Cremation Services Act, 2002*, SO 2002, C 33, the Proponent shall immediately contact MCFN's duly appointed Archaeological Operations Supervisor or designate; and
 - MCFN shall be permitted to conduct any ceremonies on site in relation to the human remains that may be of Aboriginal ancestry ("Ancestral Remains"); and
 - MCFN shall be consulted about all steps in the investigation and any decisions or agreements to be made regarding Ancestral Remains.

D - Coordination of the FLRs

20. The Parties agree that the FLRs will follow the reasonable instructions of the Proponent and their consultant firm(s) conducting the environmental and/or archaeological work concerning safety practices, and that the FLRs will attend "tailgate" safety meetings if requested.
21. The contact person for activities relating to the environmental assessment portion of the Project is [name of contact person #1] from [name of consultant]. Contact information for this person is as follows:
[insert contact information here]
22. The contact person for activities relating to the archaeological assessment portion of the Project is [name of contact person #2] from [name of consultant]. Contact information for this person is as follows:
[insert contact information here]

23. The Parties agree that the contact person for the consultant firm(s) will coordinate site meeting locations and times through MCFN's duly appointed Field Coordinator. Contact information for the Field Coordinator is as follows:

Joelle Williams

Telephone: 905-768-4260

Cell: 905-870-2918

Email: joelle.williams@mncfn.ca

E - Status of the FLRs

24. The FLRs selected by MCFN have appropriate qualifications for the work required – for example, training in environmental and/or archaeological monitoring – and experience in bridging Indigenous perspectives with Western approaches, as reasonably determined by MCFN.
25. The Parties agree that the FLRs are not employees, contractors, or sub-contractors of the Proponent or their consultant(s) and that the FLRs will be responsible for their own personal protective equipment, such as hard hats, safety boots, and safety vests, unless specific or otherwise unique personal protective equipment is required, which will therefore be provided or reimbursed by the Proponent.
26. FLRs take direction from MCFN. MCFN pays Workplace Safety and Insurance Board ("WSIB") contributions in respect of the FLRs and will, at its own expense, maintain for the term of this agreement a comprehensive general liability ("CGL") policy or policies with a limit of at least \$1 million and shall provide the Proponent with evidence of such insurance, upon request. MCFN agrees that FLRs will perform their activities safely, in a good and competent manner, in compliance with all applicable laws, regulations, and guidelines.
27. MCFN expects that the Proponent will comply with the *Occupational Health and Safety Act*, R.S.O. 1990, C. 0.1, the *Ontario Human Rights Code*, R. S. O. 1990, c. H.19, and maintain a safe, harassment-free work environment.
28. The Proponent is responsible for negligence or other failure to maintain a safe and harassment-free work environment. To the extent that the Proponent is responsible for negligence or other failure to maintain a safe and harassment-free work environment, the Proponent is liable and shall indemnify MCFN claims or demands related to injury, accident, discrimination, or harassment by the Proponent's employees, agents, consultants, or other parties under the control or direction of the Proponent.

F - Method of Payment

29. The Parties agree that the Proponent will pay the capacity funding as agreed to above by cheque or bank transfer and upon receipt of an invoice from MCFN. All invoices will be addressed directly to the Proponent, the Project will be noted in the text of each invoice, and all invoices will be prepared as per MCFN-DOCA's standard invoicing format.

Invoices should be submitted electronically to the following address:

Email address: [insert email address here]

Attention: [insert name here]

[name of the proponent]

[phone number of proponent]

[full address of proponent]

30. All payment should be made to the MCFN Department of Consultation and Accommodation to the following address. For additional information, please call the office at 905-768-4260.

Email address: nicole.laforme-hess@mncfn.ca

Attention: MCFN-DOCA

4065 Highway 6

Hagersville, Ontario

N0A 1H0

31. After thirty [30] days, a 5% monthly compounded interest rate will be charged on outstanding invoices. After six [6] months of non-payment, a 20% monthly compounded interest rate will be charged on outstanding invoices.

G – Disclaimer

32. The Parties agree that the capacity funding payments for the FLRs will be used only for the purposes described in this Agreement and will not be paid for the improper personal gain of any individual or for any other purpose that might violate any Canadian anti-corruption law.
33. This agreement may be executed in counterparts.
34. This agreement is legally binding on MCFN and the Proponent. This agreement is signed by authorized representatives of the Parties on the date set out in this agreement below.

35. The term of this agreement expires on April 1, 2022. In the event that Project-related activities requiring FLR participation continue past this termination date, a new agreement will be executed between Parties.

[The remainder of this page is intentionally left blank.]

Signed this _____ day of _____, 2021,

Authorized Signatory on behalf of
The Proponent

[printed name of signatory]
[job title]
[department]
[name of the proponent]

Authorized Signatory on behalf of
Mississaugas of the Credit First Nation

Mark LaForme
Director
Dept. of Consultation and Accommodation
Mississaugas of the Credit First Nation

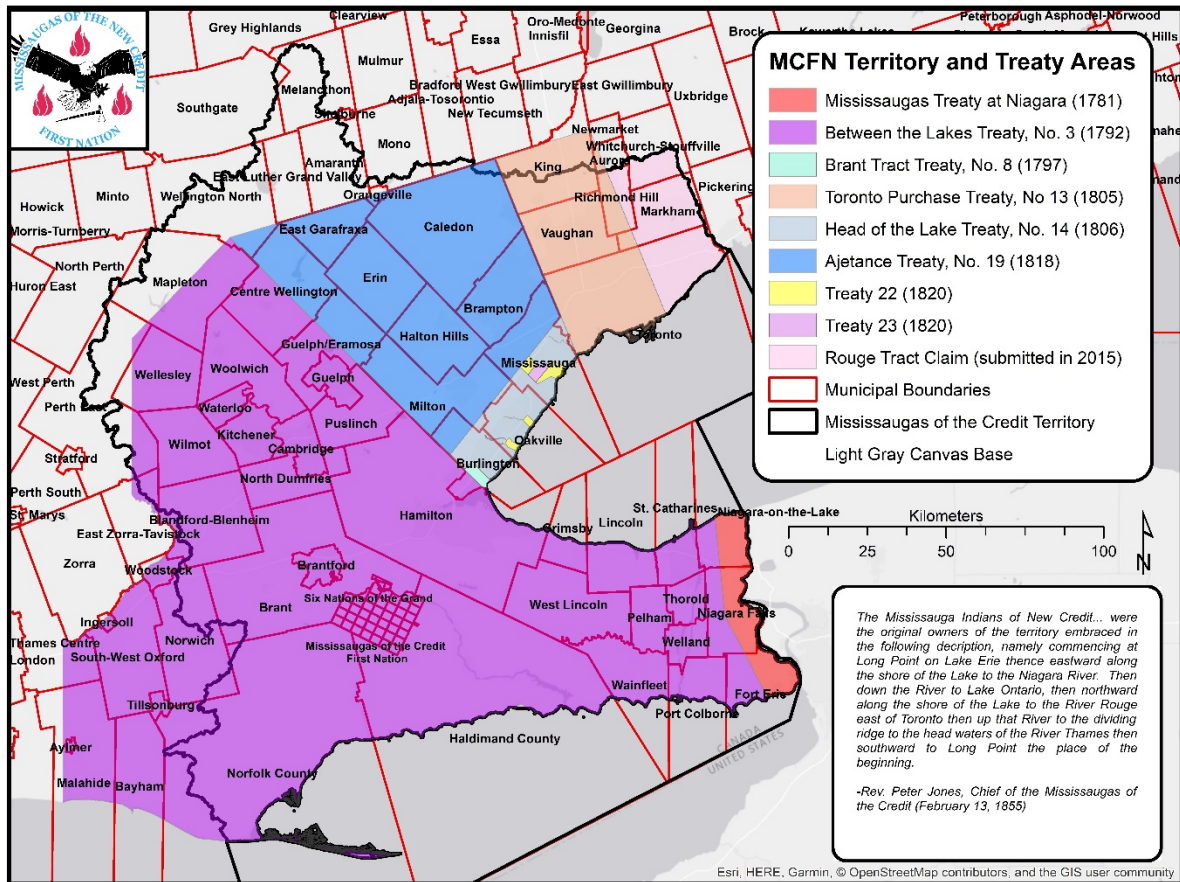
Witness

[printed name of witness]
[job title]
[department]
[name of the proponent]

Witness

Megan DeVries
Archaeological Operations Supervisor
Dept. of Consultation and Accommodation
Mississaugas of the Credit First Nation

Schedule A



Municipalities within Mississaugas of the Credit Treaty Lands and Territory

Schedule B

MISSISSAUGAS OF THE CREDIT FIRST NATION MILEAGE & ALLOWANCE CHART

EFFECTIVE APRIL 1, 2021 to MARCH 31, 2022

MILEAGE

\$ 0.56 per KM

<https://www.njc-cnm.gc.ca/directive/d10/v238/s658/en>

MEAL ALLOWANCE

not eligible if:

BREAKFAST	\$	21.10	leave after 8am; get home before 7:30am
LUNCH	\$	21.35	leave after 1:15pm; get home before 12:15pm
DINNER	\$	52.40	leave after 7pm; get home before 6:30pm
INCIDENTALS	\$	17.50	not staying overnight

<https://www.njc-cnm.gc.ca/directive/d10/v238/s659/en>

NIGHTTIME*	\$	52.40	*Applies only to nighttime surveys that would not otherwise trigger dinner or breakfast.
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**Archaeological Review Agreement between:
The Mississaugas of the Credit First Nation (“MCFN”)
and
[name of the proponent]**

A - Background

1. The purpose of this agreement is to provide the Mississaugas of the Credit First Nation (hereinafter, “MCFN”) with capacity assistance to review reports and other materials in connection with all archaeological assessments required for the [name of project] (hereinafter, “the Project”) located at [address], in [town/city], Ontario, owned by [name of the proponent], (hereinafter, “the Proponent”).
2. The Proponent understands that MCFN wishes its designated representatives at the Department of Consultation and Accommodation (hereinafter, “DOCA”) to provide timely and meaningful comment on the Project via its established review process.
3. The Proponent, or their consultant(s), will therefore provide all reports in draft form to MCFN (via DOCA) for review and comment prior to their submission to other approval or regulatory authorities. The Proponent and their consultant(s) agree to provide reasonable and adequate time for MCFN to complete its review and provide comments on draft reports. MCFN is unable to review of any material in less than one week.
4. For archaeological assessments, the Proponent agrees that their consultant(s) will provide, if applicable, both the Supplementary Documentation and the Indigenous Engagement report alongside the draft archaeological report. The Indigenous Engagement report must contain the consultant’s full account of MCFN’s participation in and comments on the archaeological assessment.
5. For archaeological assessments, the Proponent agrees that no new fieldwork will commence until MCFN has completed its review and has provided comments on the previous Stage of assessment.
6. MCFN agrees that MCFN representatives will have appropriate qualifications for the work required – for example, education in environmental and/or archaeological assessments – and experience in bridging Indigenous perspectives with Western approaches, as reasonably determined by MCFN.

B – Fees and Cost Structure

7. The Proponent will provide capacity funding for the designated DOCA staff representative in the amount of \$150.00 per hour for all activities relating to review of Project materials. An estimate of costs is provided in Schedule B.
8. If MCFN is of the view, that designated DOCA staff are unable to complete a comprehensive technical review of Project materials, the Proponent agrees to pay costs incurred by MCFN to retain an external expert in the appropriate field to be chosen at MCFN's sole discretion. The Parties agree that a review by an external expert will commence following mutual acceptance by both Parties of an estimate of work provided by the expert.

C – Additional Conditions

9. All archaeological work in connection with any Project in the Territory will be carried out in accordance with the *Ontario Heritage Act* and its Regulations. The Archaeological work will meet or exceed the Ontario Ministry of Heritage, Sport, Tourism, and Culture Industries (hereinafter, "MHSTCI") standards and guidelines for consultant archaeologists as amended, including the *Terms and Conditions for Archaeological Licences, Standards and Guidelines for Consultant Archaeologists (2011)* and the Draft *Engaging Aboriginal Communities in Archaeology Technical Bulletin (2011)*, (hereinafter collectively, "MHSTCI Standards 2011").
10. The Proponent agrees that all archaeological work conducted for the Project will comply with the MCFN *Standards and Guidelines for Archaeology* (published April 2, 2018), (hereinafter, "MCFN Standards") as long as the MCFN Standards do not fall below MHSTCI Standards 2011. The MHSTCI Standards 2011 will be paramount in the event of a direct conflict between MCFN Standards and the MHSTCI Standards 2011.
11. The Proponent shall make best efforts to avoid and protect archaeological sites, artifacts, and/or features. The Parties agree that the preferred option for human remains that may be of Aboriginal ancestry is that they remain where they are found with appropriate protections.
12. If archaeological resources are encountered at any time during construction or other Project-related activity, all excavation or other activity that could disturb the site shall immediately cease, and the Proponent shall immediately notify MCFN's duly appointed Archaeological Operations Supervisor or designate. The Parties shall work

collaboratively to minimize impacts and ensure respectful treatment of any archaeological resources in accordance with the practices and values of MCFN as identified by MCFN.

13. If human remains are encountered at any time during construction or other Project-related activity, the following steps shall be taken:
 - a. All excavation or other activity that could disturb the site shall immediately cease, and the area shall be secured in a manner which protects the site location and prevents public access and trespass; and
 - b. In addition to any notifications required under the *Funeral, Burial and Cremation Services Act, 2002*, SO 2002, C 33, the Proponent shall immediately contact MCFN's duly appointed Archaeological Operations Supervisor or designate; and
 - c. MCFN shall be permitted to conduct any ceremonies on site in relation to the human remains that may be of Aboriginal ancestry; and
 - d. MCFN shall be consulted about all steps in the investigation and any decisions or agreements to be made regarding human remains that may be of Aboriginal ancestry.
14. Nothing in this Agreement shall be interpreted or implemented so as to derogate or abrogate from any MCFN Aboriginal or Treaty right or claim, or to indicate consent to the Project.

D - Method of Payment

15. The Parties agree that the Proponent will pay the capacity funding as agreed to above by cheque or bank transfer and upon receipt of an invoice from MCFN. All invoices will be addressed directly to the Proponent, the Project will be noted in the text of each invoice, and all invoices will be prepared as per MCFN-DOCA's standard invoicing format.

Invoices should be submitted electronically to the following address:

Email address: [insert email address here]

Attention: [insert name here]

[name of the proponent]

[phone number of proponent]

[full address of proponent]

16. All payment should be made to the MCFN Department of Consultation and Accommodation to the following address. For additional information, please call the office at 905-768-4260.

Email address: nicole.laforme-hess@mncfn.ca

Attention: MCFN-DOCA

4065 Highway 6
Hagersville, Ontario
N0A 1H0

17. After thirty [30] days, a 5% monthly compounded interest rate will be charged on outstanding invoices. After six [6] months of non-payment, a 20% monthly compounded interest rate will be charged on outstanding invoices.

F – Disclaimer

18. The Parties agree that the capacity funding payments for the FLRs will be used only for the purposes described in this Agreement and will not be paid for the improper personal gain of any individual or for any other purpose that might violate any Canadian anti-corruption law.
19. This agreement may be executed in counterparts.
20. This agreement is legally binding on MCFN and the Proponent. This agreement is legally binding on MCFN and the Proponent. This agreement is signed by authorized representatives of the Parties on the date set out in this agreement below.
21. The term of this agreement expires on April 1, 2022. In the event that Project-related activities continue past this termination date, a new agreement will be executed between Parties.

[The remainder of this page is intentionally left blank.]

Signed this _____ day of _____, 2021,

Authorized Signatory on behalf of
The Proponent

[printed name of signatory]
[job title]
[department]
[name of the proponent]

Authorized Signatory on behalf of
Mississaugas of the Credit First Nation

Mark LaForme
Director
Dept. of Consultation and Accommodation
Mississaugas of the Credit First Nation

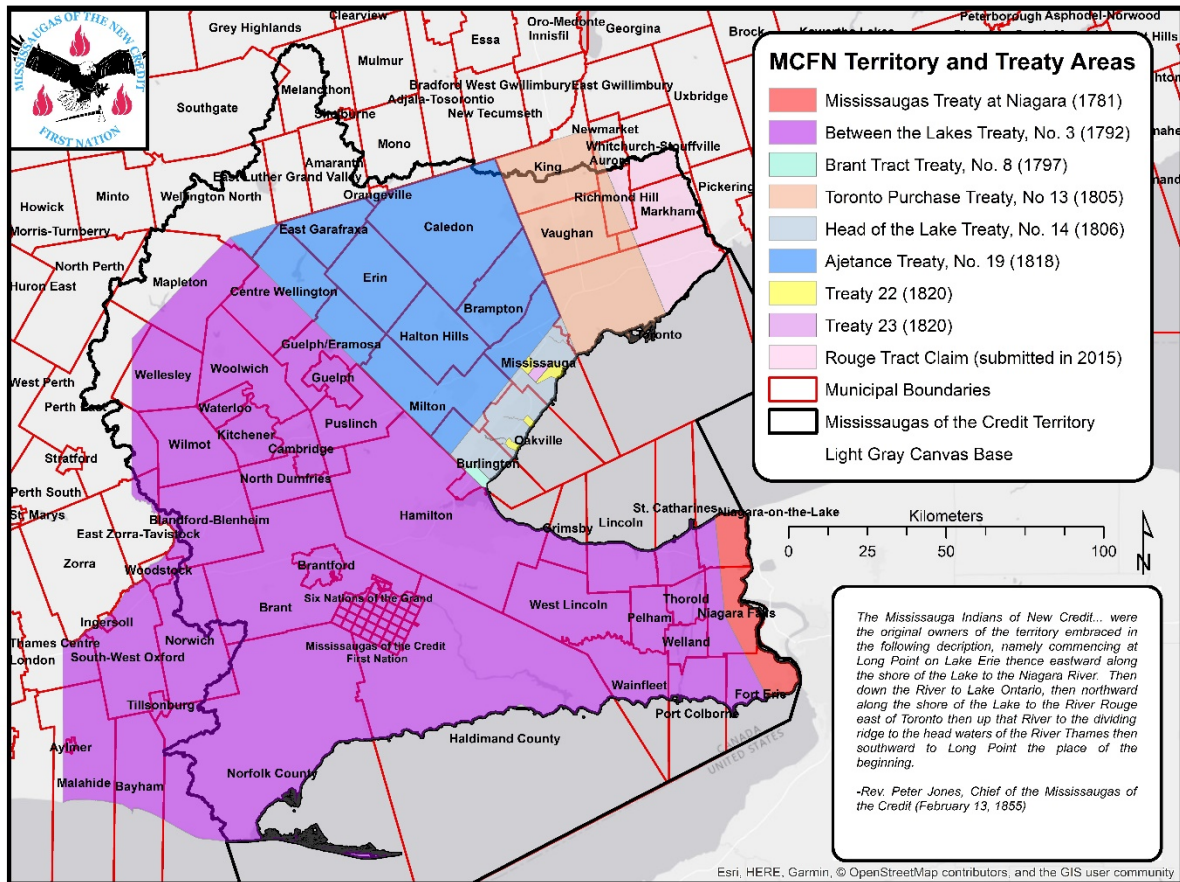
Witness

[printed name of witness]
[job title]
[department]
[name of the proponent]

Witness

Megan DeVries
Archaeological Operations Supervisor
Dept. of Consultation and Accommodation
Mississaugas of the Credit First Nation

Schedule A



Municipalities within Mississaugas of the Credit Treaty Lands and Territory

Schedule B

Approx. Quote for Technical Review (Reference Only)

For review of materials and communications associated with Stage 1 AAs.

	<i>Number</i>		<i>Rate</i>		<i>Total</i>
review hours	4.0	\$	150.00	\$	600.00
contingency (@ 20%)				\$	120.00
Total				\$	720.00

For review of materials and communications associated with Stage 2 AAs.

	<i>Number</i>		<i>Rate</i>		<i>Total</i>
review hours	4.0	\$	150.00	\$	600.00
contingency (@ 20%)				\$	120.00
Total				\$	720.00

For review of materials and communications associated with Stage 3 AAs.

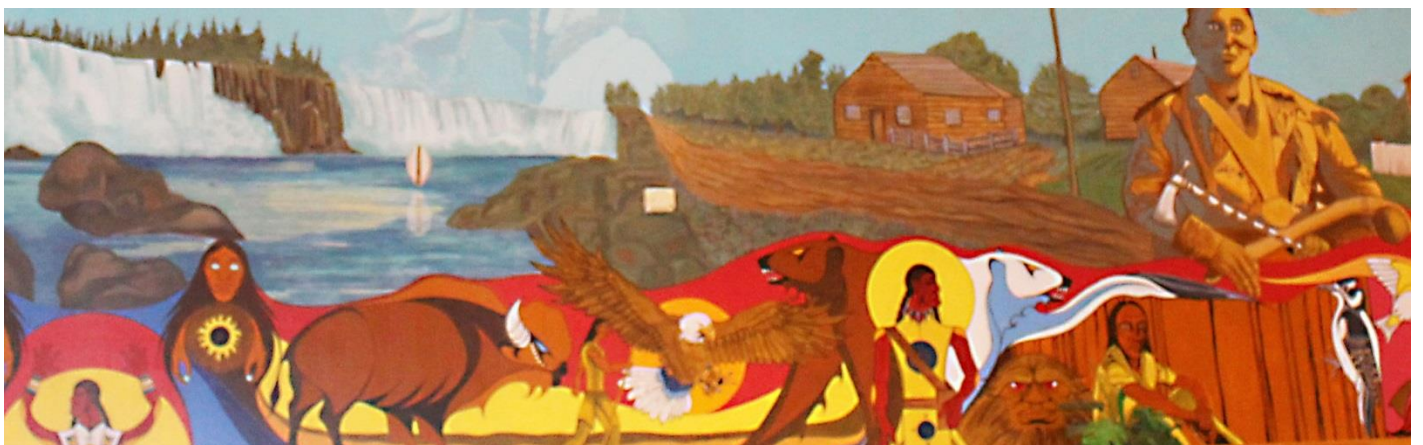
	<i>Number</i>		<i>Rate</i>		<i>Total</i>
review hours	8.0	\$	150.00	\$	1,200.00
contingency (@ 20%)				\$	240.00
Total				\$	1,440.00

For review of materials and communications associated with Stage 4 AAs.

	<i>Number</i>		<i>Rate</i>		<i>Total</i>
review hours	8.0	\$	150.00	\$	1,200.00
contingency (@ 20%)				\$	240.00
Total				\$	1,440.00



STANDARDS AND GUIDELINES FOR ARCHAEOLOGY



Revised February 27, 2020

MISSISSAUGAS OF THE CREDIT FIRST NATION STANDARDS AND GUIDELINES FOR ARCHAEOLOGY

*Direction to archaeologists working on the
Treaty Lands and Traditional Territory of the
Mississaugas of the Credit First Nation.*

Prepared by the

DEPARTMENT OF CONSULTATION AND ACCOMMODATION

MISSISSAUGAS OF THE CREDIT FIRST NATION

2018

MCFN Standards and Guidelines for Archaeology

Respect for the Treaty relationship must be expressed through engagement in archaeological assessment and collaboration in the responsible stewardship of archaeological resources and cultural heritage values.

Mississaugas of the Credit First Nation (MCFN) are the traditional stewards of the land, waters and resources within the Treaty Lands and Territory. Confirmed under Treaty, this stewardship role extends to cultural and archaeological resources. This Aboriginal and Treaty right must be respected by planners, developers and archaeologists practicing in the Treaty area. Respect for the traditional stewardship role should embrace two precepts:

MCFN have the right to be consulted on archaeological practice that affects our cultural patrimony, including the interpretation of archaeological resources and recommendations for the disposition of archaeological artifacts and sites within the Treaty area, and;

Archaeological practice must include thoughtful and respectful consideration of how archaeological techniques can be used to reveal not only the data traditionally surfaced by archaeologists, but also culturally important data valued by MCFN.

Acting with respect will initiate change within contemporary archaeological assessment practice. However, the direction of this change is already embodied in existing policy direction. Restructuring the relationship between MCFN and archaeology begins with a renewed emphasis on engagement between MCFN and archaeologists, and compliance with the Standards and Guidelines that direct contemporary archaeological practice.

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MCFN Standards and Guidelines for Archaeology

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MCFN Standards and Guidelines for Archaeology

1.0 Introduction

This document seeks to reinforce a number of important objectives in the emerging relationship between archaeologists and Indigenous peoples worldwide. These objectives can be achieved within the Mississaugas of the Credit First Nation (MCFN) Treaty Lands and Territory when there is a commitment by archaeologists to communicate with the First Nation, support MCFN participation in fieldwork and analysis, and to be open to opportunities for mutual education. Communication, participation and education are all rooted in the principle of respect. There must be respect for the Treaties and the rights and duties that flow from them. Respect for the Mississauga people to determine the value of their archaeological and cultural heritage, and the appropriate treatment of this heritage in archaeological assessment. Respect also extends to the existing legislation, policy, and professional standards governing archaeological practice. Respect will support the necessary growth of all Treaty partners toward a future archaeological practice that is more inclusive and expressive of the interests of the Mississauga people.

The MCFN Standards and Guidelines require that there is an ongoing and timely flow of information among everyone participating in archaeological assessment. MCFN expect the Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI), consultant archaeologists, development proponents, and approval authorities to be forthcoming with early notification of new projects, and to maintain open communication as work progresses, becomes stalled or where problems that do or may affect the archaeology arise. As capacity allows, MCFN will provide information, raise or address concerns, and express support for specific practices or recommendations that support our interest in the archaeological site or development property. The Department of Consultation and Accommodation (DOCA) will lead on this engagement, through the work of department staff and Field Liaison Representatives (FLRs).

MCFN must be actively engaged in archaeological assessments within the Treaty Lands and Territory area to the extent we determine is necessary. The requirements for engagement are described in the MHSTCI S&Gs, and expanded in this document to better articulate MCFN's stewardship obligations. FLRs, who are deployed to observe fieldwork, provide cultural advice, and assist with compliance in archaeological assessment, are key partners in engagement. As engagement is a requirement of the S&Gs, DOCA will reserve the option of intervening in report review if consultant archaeologists fail to fully engage MCFN during assessment.

There is a widespread belief expressed by consultant archaeologists that First Nation 'monitors' should not question the professional judgment of project archaeologists or field directors; however, this belief is based in a misunderstanding of the FLR's role. The FLR is present to represent MCFN's stewardship interest in the archaeological resources and cultural heritage values present on a property, and this role cannot be devolved to an archaeologist on the basis of academic qualification. In the field, stewardship of the archaeological resource is expressed in interaction. FLRs should be invited to participate in some aspects of fieldwork and provided with specific information on the project status, fieldwork strategies and objectives through ongoing interaction and exchange. FLRs may monitor adherence to the quantitative standards set out in MTCS direction and advice on the

MCFN Standards and Guidelines for Archaeology

qualitative assessment of resources to provide meaningful cultural context for analysis and interpretation. On-site exchanges provide valuable opportunities for learning on diverse topics such as sampling and cultural awareness. To be clear, continuous learning is envisioned for both archaeologists and FLRs.

1.1 MCFN Standards and Guidelines for Archaeology

This document sets out the MCFN standards and guidelines for archaeology. The standards provide guidance to consultant archaeologists carrying out archaeological assessments within the MCFN Treaty Lands and Territory. They build on existing direction in the MHSTCI *Standards and Guidelines for Consultant Archaeologists* (S&Gs), clarifying and expanding areas where the existing direction does not direct archaeologists to the levels of care required by MCFN as stewards of the resource. While primarily directed at archaeologists, they also include direction for development proponents, and provincial and municipal government agencies as participants in the archaeological assessment process.

Frequent reference is made to the MHSTCI S&Gs. The S&Gs should be read together with the guidance in this document to gain a more complete understanding of an archaeologist's obligations when practicing on the MCFN Treaty Lands and Territory.

These standards provide clarification where the S&Gs are incomplete on issues that archaeologists may encounter in their work, but are of great concern to MCFN. The principal changes include expanded direction on engagement, and a renewed focus on compliance with professional standards. The standards also discuss human remains, intangible values, and sacred and spiritual sites.

The MCFN S&Gs introduce the following clarifications:

- Human remains – the current MHSTCI S&Gs are silent on treatment of human remains, beyond referring consultants to the *Coroners Act*, and the *Funeral, Burial and Cremation Services Act* protocols. MCFN S&Gs introduce clear expectations for the treatment of all remains, including burials and isolated elements. All human remains, regardless of their nature or association with a visible evidence of a burial site, must be treated with the same high level of care. The presence of human remains on a property indicates a high likelihood of burials on the property, even if the traces of the burial have been obscured. Burials must be treated in the same manner as the legislation requires, but the discovery of any human remains should initiate these actions. FLRs will direct the disposition of remains at each site.
- Intangible values – the current S&Gs are silent on intangible values associated with archaeological sites and how they overlap with cultural heritage places. MCFN S&Gs introduce expectations that archaeological landscapes, site context, and intangible values are considered in analysis, reporting, and making recommendations for archaeological resources. This direction applies to all stages of assessment.
- Sacred and Spiritual sites – the current S&Gs require engagement to identify sacred, secret, and spiritual sites, and provide for their use in evaluating archaeological potential. The S&Gs also provide for the

MCFN Standards and Guidelines for Archaeology

protection of these values; however, they are largely silent on how to proceed where these values are identified. As this document describes, engagement is the basis for identifying these values, defining the necessary protocols and procedures for analyzing archaeological data to identify sacred or spiritual dimensions to an archaeological site, and for developing appropriate mitigation strategies when sites of cultural importance are identified by FLRs or other band members.

One theme of these guidelines is that consultant archaeologists are asked to *do more*. This is an invitation to move beyond basic compliance to producing value-added outcomes to archaeological assessment work. When the S&Gs are simply viewed as a series of targets to hit in assessment, the potential contribution of any one assessment to increasing our understanding of the archaeology and culture history of the Treaty lands and traditional territory is diminished.

This document is organized in three sections which discuss the policy context of archaeological practice, engagement, and compliance with the S&Gs. The section on engagement discusses when and how MCFN, as stewards of the archaeological resource, should be engaged. Currently, the S&Gs identify engagement as largely optional, even at points in the process where archaeologists, proponents or approval authorities are making decisions that may infringe on Aboriginal or Treaty rights. In the guidance provided here, engagement is required at each assessment stage. Engagement is expressed as an active participation by DOCA and FLRs in property evaluations, fieldwork and analysis, and in developing recommendations on the disposition of archaeological resources.

Compliance with the S&Gs is overseen by MHSTCI through the review of archaeological assessment reports. Reports that address all relevant standards are deemed compliant. The standards – requirements that consultant archaeologists *must* follow, are “the basic technical, process and reporting requirements for conducting archaeological fieldwork”. They are the minimum acceptable levels of effort required to recover data and stabilize archaeological resources as they are lost to development pressures. MCFN’s call for better compliance with the existing standards, and the identification of new standards of practice in fieldwork and engagement, will ensure that archaeological assessment is not simply an exercise in hitting regulatory targets, but actively supports MCFN’s stewardship of the archaeological resource.

MCFN is committed to monitoring the implementation experience with these standards, and they will be updated and revised periodically as required.

1.2 Territorial Acknowledgement

Archaeological assessment reports for fieldwork within the Mississaugas of the Credit First Nation Treaty Lands and Territory should include a territorial acknowledgement, such as:

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The archaeological assessment reported here was undertaken on the Treaty Lands and Territory of the Mississaugas of the Credit.¹

Greater detail may be included in the acknowledgement, although the wording may require approval from MCFN. For example, a statement such as the following extends the acknowledgement to underscore the stewardship role of MNFN on our Treaty Lands and Territory:

We acknowledge that the archaeological fieldwork reported here was undertaken within the Treaty Lands and Territory of the Mississaugas of the Credit First Nation. The Mississaugas of the Credit First Nation are the stewards of the lands, waters and resources of their territory, including archaeological resources and cultural heritage values.

Recognition of other descendant groups who show a connection to archaeological resources within the Treaty area may also be presented following the MCFN territorial acknowledgment.

1.3 An Archaeological Perspective

Anishinabek culture resides in the land and water. It resides in people, stories, songs, memories and traditions. It resides in objects, books, reports and records. Places on the landscape hold cultural knowledge. Culture and heritage resides in, and is expressed by, the interaction of people with the land through their traditional practice.

The majority of archaeological sites in Ontario are 'pre-contact', meaning that these resources represent traditional Indigenous culture, land use and occupation exclusively. These resources mark places that are, or can be associated with traditional narratives or cultural practices. The narratives or practices may relate to specific locations, more generally to resource use, traditional work, ceremonies and cultural observance, or simply to the basic business of everyday life. Archaeological sites are places where archaeological resources – the material traces of past occupations – are located. But they are also traditional and cultural places. Archaeological resources cannot be separated from the place where they are deposited without severing the intangible connections between culture and the land. Cultural places root contemporary Mississauga culture in the land. As such, they should be viewed as still being 'in use' or 'occupied'. Working to remove the resources from the land is a significant action and must be undertaken with integrity and attention to the actual costs and consequences of this work.

Archaeological resources are finite. While it is true that new archaeological sites – the sites of the future – are being created through ongoing human use and occupation of the land, this use overwrites earlier occupations, distorting or destroying them. Ongoing use of a landscape does not restore or renew archaeological sites. Ongoing use of the landscape erases cultural and traditional places where Indigenous culture is embedded.

Archaeological practice can also distort or destroy archaeological sites. While the inventory, assessment and excavation of the resource preserve valuable archaeological data for future use and study, it can also be said that

¹ Mississaugas of the Credit Treaty Lands and Territory Recognition Statement and Logo Usage Policy, April, 2017. <http://mcfn.ca/wp-content/uploads/2017/05/treaty-lands-and-territory-statement-December-2017-a.pdf>

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archaeological practice creates a new resource that displaces the original cultural and traditional place. Archaeological resources are the raw material from which sites, artifacts and archaeological narratives are manufactured. Archaeological collections, when combined with documentation of engagement, fieldwork and analysis, represent the resource in an archaeological narrative about the site, how it was identified, excavated and interpreted. But the site is gone, and the collections and documentation provide only an incomplete picture of the cultural values that once existed in that place.

Archaeologists must remain aware that the actual resource – archaeological resources *in situ*, is diminishing and growing smaller with each excavation. One more collection means one less site in the ground. Each new site identified must be considered in this context: it is an increasingly rare thing. In the minds of many experienced archaeologists it may seem that new *archaeological* insight will be difficult to achieve from more excavation and collection at sites of a certain type. More broadly, however, new, meaningful and important *cultural* knowledge is available. Cultural knowledge can be obtained by asking new questions of the resource, although it may not be within the archaeologist's existing skill set to ask – or to answer – these questions at present.

Archaeology maintains a tight focus on material remains, and may not venture to address traditional land use or cultural patterns that are not visible in artifacts and features. But cultural and traditional insights are recoverable through alternative techniques and approaches to site investigation. These include community engagement and adopting diverse perspectives on archaeological resources, including seeking understanding of the intangible values of a place, and the consideration of sites in their wider landscape context. These insights cannot be gained by simply tacking Indigenous knowledge and narratives onto archaeological sites after the archaeological work is complete. Indigenous perspectives must be integrated into assessment and research designs from the outset.

Recognizing and holding space for MCFN's stewardship role in archaeological assessment is a critical first step in the work of reconciling the archaeologist's and the Anishinaabe perspectives on archaeology.

1.4 Policy context

The protection and conservation of archaeological resources is enacted through a range of law and policy in Ontario. Principal among these is the Ontario Heritage Act, which regulates archaeological practice and archaeological resource protection. Additional protection is provided under a range of other legislation and policy that governs specific areas of development planning, such as the Planning Act and the Environmental Assessment Act.

Archaeology law is primarily directed to the material aspects of archaeology, such as archaeological sites and artifacts. Guided by applicable statute and policy, the assessment, protection and excavation of archaeological sites impact real property, and generate collections of material objects that are held, in trust, for future generations of scholars and citizens. However, when viewed as property, archaeological site protection can reduce the nature, contents and meaning of archaeological sites to the material remains alone. To many descendant groups

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archaeological and cultural heritage sites contain much more than material resources, including traditional, cultural, sacred, and spiritual values that are difficult, if not impossible to capture using standard archaeological techniques. In this way, statute and policy governing interaction with archaeological resources are deficient to the extent that they do not recognize and protect the full array of cultural heritage values that reside in the sites, artifacts, and places that mark past occupation of the land. It is notable that there is no comparable statute or policy – apart from policy direction concerning human remains, that addresses Indigenous interests in archaeological resources and cultural heritage values.

1.4.1 Ontario Heritage Act

Under the Ontario Heritage Act, archaeological resources are all of the material traces of past human occupation or use of a place, while archaeological sites and artifacts are a subset of these resources, specifically those which hold cultural heritage value or interest (CHVI). Criteria for determining CHVI of archaeological resources are presented in the *Standards and Guidelines for Consulting Archaeologists (S&Gs)*.

The Ontario Heritage Act (OHA)² defines and sets out the measures required conserving the heritage resources of Ontario. Archaeological practice and access to archaeological resources is regulated under the terms of the Act, regulations to the Act, terms and conditions of licensing, and standards and guidelines developed by MHSTCI. Achieving the conservation objectives of the Act is a shared responsibility between the ministry and other regulatory agencies. Archaeological practice is regulated directly by MHSTCI, while regulatory review of development proposals by other agencies to ‘trigger’ archaeological assessments is directed by policy created under the authority of other statute, such as the Environmental Assessment Act, Planning Act, and Aggregate Resources Act, among others.

The conservation of resources of archaeological value³ is described in Part VI (Sections 47 to 66) of the Act, and concerns two categories of activity: archaeological practice, and archaeological site alteration. The OHA views these two categories as linked: a licence is required to alter a site, and alteration without a license is a violation of the Act. Thus, the regulatory mechanism for achieving archaeological resource conservation is through the regulation of practice.

Preparing and submitting reports of archaeological fieldwork is a key condition of licensing. Apart from the preservation of artifacts, the primary public benefit arising from archaeology is the creation of archaeological reports and data. Section 65.1(1) of the Act stipulates that reports prepared under license are entered into the Ontario Public Register of Archaeological Reports (the Register). In Section 66, the Act states that the minister may

² RSO 1990, c. O18

³ Resources of archaeological value are described in Regulations to the Act. However, Part VI defines “property” as “real property, but does not include buildings or structures other than ruins, burial mounds, petroglyphs and earthworks” (R.S.O. 1990, c. O.18, s. 47.). In this definition two site types which include intangible cultural value, (petroglyphs [a representational form created using an arrangement of stones on the ground] and burial mounds), are identified as archaeological sites.

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direct archaeological collections to a public institution, “held in trust for the people of Ontario”. While the Act identifies the province as stewards of the archaeological resource, it is silent on the question of ownership.

Archaeological resources are generally considered objects that can be transported (easily) from one location to another. The resource is not directly defined in the text of the Act; however, in Section 47 a distinction is drawn between types of heritage property, real properties exclusive of “buildings or structures other than ruins, burial mounds, petroglyphs and earthworks”. Since structures and buildings are the concern of Part IV and V of the Act, ruins, burial mounds, petroglyphs and earthworks remain behind as archaeological resources. Ontario Regulation 170/04 defines an archaeological site as “any property that contains an artifact or any other physical evidence of past human use or activity that is of cultural heritage value or interest”. Artifacts are defined as “any object, material or substance that is made, modified, used, deposited or affected by human action and is of cultural heritage value or interest” (O. Reg. 170/04, s. 1). The inclusion of burial mounds and petroglyphs as archaeological sites signals that the boundaries between archaeology and cultural, sacred or spiritual places are less distinct than the Act presents. For this reason, this document refers to both archaeological resources and cultural heritage values, which includes all of the material and intangible values present at archaeological sites and other places of cultural significance.

1.4.2 Other legislation

Human remains are to be expected in a range of archaeological contexts, including habitation sites and as isolated graves. Laws pertaining to human remains include the Coroners Act,⁴ the Funeral, Burial and Cremation Services Act,⁵ and the Ontario Heritage Act. Buried human remains are within the jurisdiction of the Registrar of Cemeteries, authorized under the Funeral, Burial and Cremation Services Act. By locating concern for human remains outside of the Ontario Heritage Act the law acknowledges that human remains are not archaeological resources and require special treatment and handling upon discovery.

The Funeral, Burial and Cremation Services Act requires any person who uncovers a burial containing human remains to immediately stop work and contact the appropriate authorities, such as the police or Coroner. The Coroner, authorized under the Coroners Act, will determine whether the person whose remains were discovered died under any of the circumstances set out in Section 10 of the Coroners Act. If the remains or burial is determined to be of no forensic interest, control of the process returns to the Registrar of Cemeteries, who then determines the origin of the burial site, and declares the site to be an aboriginal people’s burial ground, a burial ground, or an irregular burial site.⁶ Upon making the declaration, a site disposition agreement is negotiated among representatives of the landowner and the deceased. MCFN, as stewards of the archaeological resources and cultural heritage values of the Treaty area, would be party to the disposition agreement as a representative of

⁴ R.S.O. 1990, c. C.37

⁵ S.O. 2002, Chapter 33

⁶ S.O. 2002, Chapter 33, c. 34

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the deceased. Disinterment of human remains under the terms of a site disposition agreement must be completed by a licensed archaeologist.

Development planning is addressed in a number of provincial laws. The Planning Act ⁷ directs the development of land by ensuring, among other things, that land use planning is led by provincial policy, and that matters of provincial interest are considered in planning. The Act directs that planning will be conducted with “regard to, among other things... the conservation of features of significant architectural, cultural, historical, archaeological or scientific interest” (Section 2(d)). Cultural, historical and archaeological features extend the range of elements that approval authorities and developers must have regard to, including a range of cultural heritage values of interest to MCFN. The Act also empowers local authorities to make by-laws prohibiting development on properties containing significant archaeological resources (Section 34), allowing for avoidance and long term protection.

The Planning Act seeks to ensure that ‘various interests’ are considered in planning, and devolves the responsibility for planning decisions to accountable municipal authorities, although the overall authority of the Minister remains intact. Under regulations to the Planning Act, a complete application for subdivision must include information on the archaeological potential of the property, and a determination of whether any restrictions on development related to archaeological resources exist. Where development is permitted, properties with archaeological potential also require a completed archaeological assessment, and a conservation plan for any archaeological resources identified in the assessment (O.Reg. 544/06, Sched. 1). Generally, a draft plan is initially submitted, and archaeological assessment is completed prior to final plan submission. The timing of the archaeological work is not defined in the Act or Regulation, nor is the excavation and removal of the site from the property part of this direction. It is reasonable to assume that the evaluation of archaeological potential, archaeological assessment, and decisions concerning the disposition of archaeological resources on a development property should actively involve MCFN.

The Environmental Assessment Act (R.S.O. 1990 Chapter E.18) provides for the wise management of the environment in Ontario. It is the principle legislative process for major development that does not primarily involve the subdivision of land or extraction of a specific resource. Under the Act, the environment includes the social environment, including “social, economic and cultural conditions”, and “any building, structure, machine or other device or thing made by humans” (R.S.O. 1990 Chapter E.18, s. 1(1)). Class environmental assessments may be declared where development of a number of projects are planned or anticipated, and where the planning and anticipated effects are generally similar. Each environmental assessment or project under a class environmental assessment must address terms and conditions to approval, which include requirements to complete an archaeological assessment, and identify conservation measures for any archaeological resources identified within the project area. The Act also requires that the proponent consult “with such persons as may be interested” in the undertaking when preparing the Terms of Reference.

⁷ R.S.O. 1990, c. P.13

2.0 Engagement

The MCFN *Consultation and Accommodation Protocol*⁸ sets out expectations for engagement in archaeological assessment. The Protocol describes the MCFN stewardship of archaeological resources and cultural heritage values, and unequivocally asserts “that our Aboriginal and Treaty rights fundamentally entitle us to preserve our culture and heritage”. The Protocol further clarifies that DOCA is the body that leads all engagement, and that “MCFN expects to be engaged with the Crown and/or Proponents early in the project development and assessment process”. The Protocol also states that “MCFN is the only party who shall determine whether there are impacts on our Aboriginal or Treaty rights”. The last point is especially important in relation to evaluating archaeological potential, determining cultural heritage value or interest, and formulating Stage 4 mitigation strategies. Neither licensing nor the technical work of archaeological assessment grants to a consultant archaeologist the privilege of speaking on behalf of the First Nation regarding actual or potential development impacts to archaeological or cultural resources.

Engagement is the key to successful archaeological assessment. For archaeological assessment projects on the Treaty Lands and Territory, early and ongoing engagement is expected. Engagement is necessary at all stages of archaeological assessment, and extends to the period before and after an assessment is formally constituted. The requirement to engage is not limited to the consultant archaeologist, but includes approval authorities, proponents and others who may make decisions that hold the potential to infringe on the Aboriginal or Treaty rights of MCFN. Engagement in archaeological assessment may be viewed as an aspect of consultation, but does not relieve the Crown of its duty to consult and accommodate MCFN on the development project.

In conformance with the MHSTCI Bulletin, *Engaging Aboriginal Communities in Archaeology*, MCFN will determine the form for engagement.

Positive, collaborative engagement is more than a data exchange or transfer of information from MCFN to the archaeologist. Rather, it is a means of developing relations of trust among all parties to the development project that continue throughout the span of an assessment, and may carry over into subsequent projects. In this document, engagement requirements exceed the standards described in the MHSTCI S&Gs. Some consultant archaeologists may wish to engage only at Stage 3, as required by the S&Gs; however, as set out in the following section, engagement is a cumulative process and allowing engagement responsibilities to accumulate until Stage 3 may lead to unanticipated delays in project timelines. Late engagement may oblige DOCA to schedule extra time to review earlier fieldwork results and recommendations to ensure that MCFN stewardship concerns have been addressed before moving to engagement on Stage 3 questions.

The S&Gs require that the engagement process and outcomes must be summarized in an Aboriginal engagement report, a required part of each assessment report. These reports may be audited by DOCA to ensure that they

⁸ Department of Consultation and Accommodation. n.d. *Consultation and Accommodation Protocol*. Mississaugas of the Credit First Nation, Hagersville.

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conform to DOCA's records of engagement. Serious shortcomings in engagement or inaccuracies in the Aboriginal engagement report may be referred to MHSTCI with a request that the report be flagged for detailed review or revision.

2.1 Engagement in Archaeological Assessment

Archaeological assessment proceeds from the review of the original development proposal, through to the final decisions on the mitigation of development impacts and the long term curation of collections. Engagement will ensure that important cultural considerations are incorporated into fieldwork and analysis, and the recommendations that are offered for development properties and archaeological sites.

The format of this section follows the general sequence of actions undertaken for a typical development project, including the four formal stages of archaeological assessment. The timing and nature of engagement through this sequence is highlighted and discussed. Note that MCFN expect engagement throughout this planning and assessment process.

2.1.1 Project concept and planning stage

This task primarily involves the proponent and the approval authority.

Most land-use planning and development processes in Ontario identify the conservation of archaeological resources as a provincial interest. A completed archaeological assessment, including a compliance review by MHSTCI, is a common condition of project approval and is rarely a 'late addition' to the list of required studies. Since archaeological assessment can be anticipated as a requirement of approval, DOCA notification should be an essential and automatic early phase activity for approval authorities and proponents.

Proponents should engage with DOCA to introduce the project, and identify the proposed schedule for background studies, archaeological assessment, site preparation and their anticipated start of construction. DOCA review of the project concept will allow approval authorities and development proponent's time to evaluate the anticipated impacts of the project relative to Aboriginal and Treaty rights. Project redesign, where necessary, will also be simpler at this early stage. Notification to DOCA should, at a minimum, include basic information on the proposed development, including the type of development and the associated regulatory process, project location, proponent identity and contact information, and any key milestones in the project plan. Early and ongoing contact with DOCA will aid in building positive working relationships that will benefit the proponent going forward.

Approval authorities can facilitate positive engagement by including DOCA notification as standard practice, and advising proponents to communicate with DOCA early in the process.

Of equal importance, the MHSTCI S&Gs reference the MHSTCI "Criteria for Evaluating Archaeological Potential" checklist, which was developed for non-specialists such as approval authority staff. A completed checklist is meant to provide planners with a basic tool for evaluating archaeological potential of a development property. The checklist includes a number of considerations that cannot be addressed using only cartographic information,

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registered archaeological site data or knowledge of local history. Approval authority staff responsible for completing the checklist must engage DOCA for input concerning points 5, 6, 7, 9 and 11 of the checklist, at a minimum, to ensure that the checklist is completed comprehensively.

2.1.2 Project award / Filing a PIF

This task primarily involves the consultant archaeologist and MHSTCI.

Project Information Forms (PIF) is required by MHSTCI to track archaeological fieldwork. A PIF must be submitted at least 5 days, but no more than 15 business days before the start of fieldwork, as stated on the form. All PIFs are processed, and a file number assigned, within 5 business days of receipt.

Filing a PIF with the ministry is a term and condition of licensing. The PIF file number is used by the ministry to track archaeological fieldwork, and sets the dates for report submission. A completed PIF includes the project location, and identifies the approval authority and proponent. The S&Gs note that the PIF must be received by the ministry, and a PIF number assigned before fieldwork begins (S&Gs 7.1, s.1).

At the time that a PIF is submitted, notice should also be made to DOCA, providing the information contained in the PIF application, including the proposed start date for fieldwork, location of the subject property, and the name and contact information of the proponent and approval authority staff. This information will allow DOCA to open a file on the project, and assist in managing engagement, workflow and FLR deployment.

DOCA will work toward an agreement with MHSTCI to ensure that accurate PIF information for archaeological assessment projects proposed for the Treaty area is transmitted to DOCA in a timely manner. DOCA may advise MHSTCI of PIFs that have or appear to have been incorrectly filed in advance of the 15 day window, or where engagement has not been initiated by a licensee.

DOCA staff will determine whether the potential impact of the proposed development will be high or low. For low impact projects, information sharing may be sufficient. For high impact projects, high impact undertakings, DOCA work directly with the proponent to determine the requirement for FLRs during the fieldwork portion of the archaeological assessment, and identify accommodation requirements to protect Aboriginal and Treaty rights relating to archaeological resources and cultural heritage values.

2.1.3 Stage 1 Background study and evaluation of potential

This task primarily involves the consultant archaeologist and the proponent.

Engagement at Stage 1 is required. The guidelines (Section 1.1, guideline 1, bullet 3, and Section 1.4.1, guideline 1), should be treated as standards for the purposes of Stage 1 assessment within MCFN Treaty Lands and Territory. The basis for this is the requirement for engagement at Stage 3, as described in Section 3.4, s. 2 of the S&Gs, which states:

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Aboriginal communities must be engaged when assessing the cultural heritage value or interest of an Aboriginal archaeological site that is known or appears to have sacred or spiritual importance, or is associated with traditional land uses or geographic features of cultural heritage interest, or is the subject of Aboriginal oral histories. This will have been determined through background research in Stage 1, detailed documentary research on the land use and occupation history early in Stage 3, and/or analysis of artifacts and other information recovered through archaeological field work.

In this standard, information on a range of traditional and cultural concerns is identified as the basis for decision-making, and this information is noted as having "...been determined through background research in Stage 1". MCFN is the only party who can determine if a property holds cultural heritage value or interest based on the criteria expressed in the standard. The Stage 3 standard refers to actions taken and information gathered during Stage 1. From this, it is clear that the process of evaluating the CHVI of an archaeological site is an ongoing process that begins in Stage 1. This process must actively engage MCFN participation.

For properties with archaeological potential, Stage 2 property assessment is required (Section 1.3, s. 1). In some cases, the consultant may recommend reducing the Stage 2 fieldwork requirements based on the evaluation of low potential on parts of the development property (Section 1.4.1, guideline 1). A guideline to this section recommends engagement "to ensure that there are no unaddressed Aboriginal cultural heritage interests", which would necessarily require engagement. The results of engagement may also lead to the expansion of the area of Stage 2 fieldwork. The MHSTCI Aboriginal Engagement Bulletin suggests that one method of addressing community interest in a development property is to "extend a Stage 2 survey to include lands that have been identified as of interest to the Aboriginal community, even though those lands may have low potential".⁹ For this to happen, engagement must be undertaken, and a clear understanding of the nature of the interest, and appropriate techniques to address them must be achieved prior to fieldwork.

A copy of the Stage 1 assessment report, including the Aboriginal engagement report, must be provided to DOCA at the time it is submitted to MHSTCI for review. DOCA may review the report for accuracy, and transmit the result of this review to MHSTCI.

2.1.4 Stage 2 Property Assessment

This task primarily involves the consultant archaeologist and proponent.

Stage 2 is directed towards identifying all of the archaeological resources present on the development property. Engagement at Stage 2 includes the participation of FLRs in fieldwork. DOCA, and FLRs funded by the proponent, will work with the consultant archaeologist to represent MCFN's stewardship interest, to support compliance with the S&Gs Section 2.1, and to provide advice and information on cultural heritage values.

⁹ MHSTCI. 2011. Engaging Aboriginal Communities in Archaeology: A draft technical Bulletin for consultant archaeologists in Ontario. Ministry of Tourism and Culture, Toronto.

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Engagement must include providing a daily briefing to FLRs ('tailgate talk') outlining the work schedule for the day in the context of the overall assessment, and a summary review at the end of each work day. Allowance for FLRs to record finds, unusual or diagnostic artifacts, and related information should be made throughout the workday. Information sharing builds relations of trust, and demonstrates respect for the FLR's role in the assessment.

For sites with human remains (Section 2.2, s. 2(e)), engagement will be a required part of the on-site interaction with the FLRs. FLRs will provide direction regarding the handling and disposition of the remains.

In Section 2.2, the S&Gs recommend that consultant archaeologists engage on two questions: if the Aboriginal interest in archaeological resources found during Stage 2 is correctly determined and if there are no other Aboriginal archaeological interests in the subject property. The engagement described in Section 2.2, guideline 1 of the S&Gs must be treated as a standard. DOCA must be engaged regarding the analysis of the Stage 2 fieldwork results.

It is also important to remember that the fieldwork and analysis at Stage 2 leads to the separation of 'artifacts' and 'archaeological sites' from among the archaeological resources identified on the subject property. Stage 3 assessment is only required for sites holding CHVI, and all other resources may be considered sufficiently assessed and documented.

It is important that at MCFN interests are addressed before making final decisions concerning the CHVI of archaeological resources. DOCA must be engaged when determining Stage 3 requirements for archaeological resources identified in Stage 2 fieldwork. Section 2.2, guideline 1 must be treated as a *standard* within the Treaty Area. The guideline states, in part, that "the consultant archaeologist may engage ... Aboriginal communities to determine their interest (general or site specific) in the ... archaeological resources found during Stage 2 and to ensure there are no unaddressed ... archaeological interests connected with the land surveyed or sites identified". Engagement when determining CHVI and the requirement for further assessment at Stage 3 will ensure that the results of the assessment and the observations of the FLRs correctly reflect MCFN's role in archaeological resource stewardship.

Generally, the quantitative targets found in Section 2.2, s. 1 do not override MCFN interests regarding resources.

The outcome of Stage 2 property assessment includes the identification of all archaeological resources on the subject lands and a preliminary determination of CHVI for some archaeological sites. Reports, which should detail the basis for the conclusions and recommendations, must be provided to DOCA for review and comment. DOCA may choose to review the report, and it may be necessary to revise reports based on the review. The results of the DOCA review may also be transmitted to MHSTCI.

2.1.5 Stage 3 Site-specific assessment

Stage 3 involves the consultant archaeologist and proponent.

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Stage 3 site-specific assessment establishes the size and complexity, and CHVI of archaeological sites identified at Stage 2. The Stage 3 report includes detailed recommendations for Stage 4 mitigation of development impacts.

The S&Gs require engagement at Stage 3. Specifically, the historical documentation research required in Section 3.1, s. 1(a), 1(b) and 1(e), cannot be completed without engagement. MCFN is the only party who can determine whether an archaeological site is sacred to the Nation, and must be engaged. The limitation to engagement included in the text of the standard (research sources “when available”), should be viewed as direction to engage DOCA to confirm the availability of the information necessary to comply with Section 3.1, s. 1(b) and 1(e). Note that engagement is in addition to diligent archival, historical and online research by the consultant archaeologist.

For compliance with Section 3.4, including the application of the criteria and indicators listed in Table 3.2, engagement is required. Note that Section 3.4, s. 1(a), concerning human remains, engagement in the field at the time of discovery is required through the FLRs on-site. Section 3.4, s. 2 requires engagement in the analysis of archaeological sites, and indicates that this engagement must be the culmination of an ongoing practice between the consultant archaeologist and DOCA. Engagement throughout Stage 3 is required, and consultant archaeologists entering into a Stage 3 assessment must engage DOCA for the subject lands overall. Preferably, this engagement starts at Stage 1.

Engagement at Stage 3 also includes the participation of FLRs in fieldwork. DOCA, and FLRs funded by the proponent will work with the consultant archaeologist to represent MCFN’s stewardship interest, to support compliance with the S&Gs Sections 3.2 and 3.3, and to provide advice and information on cultural heritage values. Engagement must include providing a daily briefing to FLRs (‘tailgate talk’) outlining the day’s work objectives, progress of the assignment, and a review at the end of each work day. Allowance for recording finds, features, unusual or diagnostic artifacts, and related information should be made throughout the work day. Information sharing builds relations of trust, and demonstrates respect for the FLR’s role in the assessment.

Determining Stage 3 strategies based on direction found in Section 3.3 requires engagement with FLRs who will observe and report on compliance with the technical standards and the agreed strategy. In support of this, it is expected that the consultant archaeologists will review the Stage 2 data, and the rationale for the site being assigned to a particular Table 3.1 category with the FLRs. It is not appropriate to assume that DOCA or individual FLRs have reviewed earlier reports, or additional unreported facts that may be available to the consultant.

MCFN asserts an interest in the disposition of all archaeological sites on the Treaty Lands and Territory. Determining whether an archaeological site requires Stage 4 mitigation, and the form this mitigation will take has significant consequences for archaeological resources and cultural heritage values. For this reason, DOCA must be actively engaged in the deliberations leading to Stage 3 recommendations.

Section 3.5, s. 1 sets out the requirements for engagement when formulating Stage 4 mitigation strategies. Section 3.5, s. 1(f) requires engagement for all “sites previously identified as being of interest to an Aboriginal community”. MCFN have asserted the Aboriginal and Treaty right of stewardship of all archaeological resources and cultural

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heritage values on the Treaty Lands and Territory of MCFN, whether or not these sites are known prior to assessment. This requirement is not limited by Section 3.5, guideline 1 which suggests that engagement in planning Stage 4 mitigation strategies is discretionary. Engagement is required in developing all Stage 3 recommendations, including recommendations that a site is considered completely documented at the end of Stage 3.

The preamble to Section 3.5 notes that:

The avoidance and protection of sites is always the preferred approach to the Stage 4 mitigation of impacts to archaeological sites. Where Stage 4 is recommended, the consultant archaeologist will need to review the viability of Stage 4 protection options with the client.

While this text is not a standard under the S&Gs, it is important to note that these discussions hold the potential to infringe on the asserted Aboriginal and Treaty right of MCFN to act as stewards of the archaeological resources of the traditional and Treaty area. Therefore, DOCA must be provided the opportunity to participate in these discussions to ensure that the evaluation of the opportunities for site avoidance and protection were evaluated correctly, and to clarify the Stage 4 requirements alternatives. Where it is deemed necessary, the approval authority or relevant Crown agency should also be included in these discussions.

The outcomes of Stage 3 site-specific assessment include a determination of CHVI for all archaeological sites on the subject lands, and detailed recommendations for Stage 4 mitigation of development impacts, or that the site is fully documented and no further work is required (Section 7.9.4). Note that MCFN is the only party who can determine whether an archaeological site holds cultural heritage value beyond the archaeological value determined through Stage 3 assessment, and this recommendation must be subject to engagement. Reports, including the analysis and supporting data leading to the conclusions and recommendations, must be provided to DOCA for review. DOCA may choose to review the report, and it may be necessary to revise reports based on the review.

2.1.6 Stage 4 Mitigation of development impacts

Stage 4 involves the consultant archaeologist, proponent and the approval authority.

Stage 4 mitigation of development impacts may include either avoidance and protection (Section 4.1), or excavation and documentation (Section 4.2) of the archaeological site. In some cases a combination of avoidance and excavation (partial long term protection) is possible (Section 4.1.6).

During fieldwork, FLRs should be briefed daily on the work schedule for the day and overall progress of the assessment relative to expectations. A daily summary review at the end of each work day should be provided as well. Field directors should also advise FLRs when significant changes in fieldwork strategies are impending (such as decisions to begin mechanical topsoil stripping of a site) with as much lead time as possible. FLR work recording finds, features, and related information should be supported.

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In avoidance and protection, FLRs will attend fieldwork for setting buffers and monitoring activity near the sites as required ensuring compliance with the S&Gs and site specific agreements. In Stage 4 excavation, engagement includes the work of FLRs who will observe and report on compliance with the technical standards found in Section 4.2 during fieldwork, and any additional requirements set out in the Stage 4 recommendations. This includes specific recommendations regarding undisturbed archaeological sites (Section 4.2.9), and rare archaeological sites (Section 4.2.10). If it was not completed at Stage 3, FLRs will advise on the necessary requirements for determining the extent of excavation. FLRs will also advise on specific practices, such as handling human remains and managing artifacts in back dirt when mechanical site stripping is employed.

The S&Gs state that the outcome of Stage 4 avoidance and protection, or excavation and documentation is a final report including a detailed account of the fieldwork, artifacts and features recovered and analyzed and a statement that the archaeological site “has no further cultural heritage value or interest” (Section 7.11.4, s. 1). It is necessary to stress that MCFN is the only party who can determine whether an archaeological site holds cultural heritage value beyond the archaeological value addressed through Stage 4 excavation.

Stage 4 excavation reports must be provided to DOCA at the time it is submitted to MHSTCI for review. Based on FLR reports or other factors, DOCA may choose to review the report for accuracy or to determine if remaining cultural heritage value is correctly identified in the recommendations to the report. Where necessary, DOCA may request that the report is revised, or communicate directly with MHSTCI and the approval authority regarding a continued interest in the property or site.

2.1.7 Long Term Protection

MCFN stewardship of archaeological resources and cultural heritage values does not end with at the conclusion of the archaeological assessment. DOCA must be engaged at Stage 4 for planning and fieldwork relating to avoidance and protection. Providing the option of participating in planning long term protection strategies, will ensure that these strategies meet MCFN’s stewardship obligations and cultural expectations for the treatment of the site. This concern must be included in the long-term protection agreement / mechanism formulated under Section 4.1.4. The agreement mechanism should address access to the site for cultural purposes, and require DOCA engagement in the future whenever changes to the agreement or removal of archaeological restrictions are considered in the future.

2.1.8 Report submission and review

This task involves the consultant archaeologist, MHSTCI and approval authorities.

Reports are required for each stage of archaeological fieldwork, although Stages 1 to 3 may be combined in a single report. Archaeological assessment reports are due 12 months from the date that the PIF number was assigned. For Stage 4 reports, the report are due 18 months from the date of the PIF number was assigned. Each report submitted is screened for completeness before being accepted for review. This screening required up to 10 business days to complete, and is included within the 12 or 18 month submission period. Incomplete reports are

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returned to allow the missing information to be included. MHSTCI customer service standards allow up to 60 business days for report review. Reports that have been revised and resubmitted are reviewed within 15 days. In some circumstances, a consultant archaeologist may request expedited review of specific reports on the basis of external time pressures. Where a report is submitted and an expedited review granted, the timeline for screening is 5 business days, and review is within 20 business days of clearing screening.

The ministry does not commit to reviewing all reports received. Once report packages are screened for completeness, reports are considered 'filed' with the ministry. These reports are then either entered into the Register directly, or sent for technical review by an Archaeology Review Officer (ARO). Report review triage is based on the perceived risks that may arise to the archaeological resource by deferring review. Where higher risks of adverse impact exist, the ministry undertakes a full technical review. Filed reports may also be subject to technical review at a later date, if required.¹⁰ Regardless of review status, "mandatory standards for Aboriginal engagement remain unchanged, and [remains]... subject to ministry review. *This review includes a look at whether community feedback was considered when engagement informs the development of a mitigation strategy*" [emphasis added].¹¹

Based on the foregoing, archaeological assessment reports may be submitted and MHSTCI reviews completed more than a year after the completion of fieldwork. In cases where consultant archaeologists do not engage FLRs during fieldwork, and fail to provide information on fieldwork and copies of their reports to DOCA, this delay creates an infringement on MCFN's stewardship of the archaeological resources within the Treaty Lands and Territory by limiting our ability to participate in the disposition of archaeological resources. While engagement is not a requirement of report submission and review, it is important that MHSTCI and consultant archaeologists recognize their obligation to provide this information to MCFN, through DOCA in a timely manner. It is also important that approval authorities recognize that final decisions regarding land dispositions may fall short of the Crown's duty to consult and accommodate when the submission and review process is used to conceal information about the assessment from the First Nation.

Further, DOCA reserves the right to intercede in ministry review where DOCA believes it holds information of value to the review. This information will be communicated to MHSTCI at DOCA's discretion. This is most likely to occur where DOCA believe that critical aspects of fieldwork were non-compliant with the S&Gs, where the report does not adequately reflect MCFN's stewardship objectives, or that engagement with DOCA was inadequate or misrepresented in the report. In particular, the Aboriginal Engagement Report, required in Section 7.6.2, may be reviewed to ensure that it accurately represents the engagement completed and any agreed outcomes.

¹⁰ Additional detail is available on the MTCS website:

http://www.mtc.gov.on.ca/en/archaeology/archaeology_report_requir.shtml#developmentproponents

¹¹ http://www.mtc.gov.on.ca/en/archaeology/archaeology_report_requir.shtml#addresses

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Table 1, below, summarizes when, who and how engagement should occur in a typical archaeological assessment.

Timing	Engagement by	Form of engagement
Draft plan review	Approval authority Proponent	Information sharing Engage DOCA when applying the Criteria for Evaluating Archaeological Potential Advise DOCA of development application and project details Agreement on FLR participation in assessment
PIF	Consultant archaeologist MHSTCI	Information sharing Engage DOCA to advise on award of contract, identification of regulatory trigger, project location, proponent information, scheduled dates for fieldwork
Stage 1	Consultant archaeologist Proponent	Information sharing Engage DOCA on background study (Section 1.1, g. 1, bullet 3; Sec. 1.3.1, bullets 5 – 8; Sec. 1.4.1, g. 1) FLRs may attend Stage 1 property inspection
Stage 2	Consultant archaeologist Proponent	Facilitate FLR engagement and field review of S&G compliance, cultural inputs. Engage DOCA in review of analysis leading to proposed recommendations (Sec. 2.2, s. 1(b)(e); Section 2.2, g. 1)
Stage 3	Consultant archaeologist Proponent Approval Authority	Engage DOCA on historical documentation (Sec. 3.1, s. 1(a), 1(b) and 1(e)) Facilitate FLR engagement and field review of compliance with standards in Sections 3.2 and 3.3 Engage DOCA on Section 3.3 decisions, and analysis (Sec. 3.4, s. 1(a), s. 2, and Sec. 3.4.1, g. 1) Engage DOCA on application of criteria and indicators in Section 3.4.3, Table 3.2 Work with DOCA when formulating Stage 4 strategies (Sec. 3.5, s. 1(f), g. 1) Include DOCA in the Section 3.5 “viability review” of Stage 4 avoidance and protection options with proponent
Stage 4	Consultant archaeologist Approval Authority Proponent	Facilitate FLR engagement and field review of compliance with standards Engage DOCA on long term protection strategies, protection and cultural access considerations
Report review	MHSTCI	DOCA may advise MHSTCI of any concerns with fieldwork, engagement, reporting or recommendations DOCA may advise MHSTCI of concerns with Aboriginal engagement report.

3.0 Compliance

Stewardship of archaeological resources and cultural heritage values within the Treaty Lands and Territory includes support for the technical guidance provided in the S&Gs. In this section, existing direction in the S&Gs is presented in relation to MCFN's archaeological resource stewardship objectives. In most cases, the direction is for compliance with existing standards. In others, additional detail or new direction is offered where increased effort in archaeological assessment will benefit the archaeological resource and address MCFN concerns.

It is important to note that MCFN's stewardship of resources extends to *all* archaeological resources and cultural heritage values within the Treaty Lands and Territory, regardless of CHVI or whether or not these sites are known to archaeologists or the ministry prior to assessment. Compliance with the S&Gs requires that MCFN is engaged and afforded the opportunity to consider the cultural heritage value or interest of all archaeological resources encountered during assessment, prior to defining a subset of these resources as 'artifacts' and 'archaeological sites'.

It is also important to note that the rules set out by the Funeral, Burial and Cremation Services Act regarding human remains should not be seen as overriding MCFN's assertion that all human remains are important and sacred, and must be subject to special consideration and treatment. All remains, including those not immediately identifiable as being associated with a burial or grave location should be considered to mark interments until archaeological evidence demonstrates otherwise.

3.1 MHSTCI Standards and Guidelines Stage 1

The S&Gs state that the purpose of the Stage 1 background study and property inspection is to gather and analyze information about the geography, history and current condition of a property, and to obtain information on prior archaeological fieldwork on or adjacent to the property. This data, including field observations of current conditions, is used to evaluate archaeological potential. This evaluation provides support for recommendations requiring Stage 2 assessment of all or parts of the property, including appropriate fieldwork strategies.

A thorough understanding of the full range of potential archaeological resources and cultural heritage values that may be present on a property is impossible without engagement.

3.1.1 Section 1.1¹²

Within the Treaty area, MCFN must be engaged as part of the Stage 1 background study for all archaeological assessment projects carried out within the Treaty Area. This requires that S&Gs Section 1.1, guideline 1, bullet 3 is

¹² The subsection headings are in reference to the section of the MTCS S&Gs that are being discussed.

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treated as a *standard* within the Treaty Area. The guideline states, in part, that the background study “may also include research information from ... Aboriginal communities for information on possible traditional use areas and sacred and other sites on or around the property...” For the purpose of Stage 1 engagement, it is important to note that DOCA is not simply a source of research information, but should be viewed as a partner to the development of a comprehensive background study for the archaeological assessment.

In order to develop this partnership, consultants conducting background research on a property should conduct thorough documentary research at Stage 1. This may result in research products that not only address the requirements of the S&Gs, but also make a positive contribution to archaeological and cultural heritage research within the Treaty Area. This contribution may be in various forms, including new insight into archaeological research, historical occupations, or Anishinaabe place names on or near the subject lands.

For the purpose of developing a reasonable perspective on cultural practices and traditional use overlying the subject property it may be necessary to take a broader view of the surrounding landscape for context. For example, areas where numerous small archaeological sites have been recorded may need to be evaluated in aggregate within the wider landscape to determine if they are arrayed along a travel route. Similarly, areas of low site density within wider landscapes of generally high densities should be evaluated to determine whether the distribution is based on the quality of effort in past archaeological assessments that may have skewed available site data, or earlier cultural phenomena. Review of archaeological reports from areas beyond the recommended 50m radius is encouraged (Section 1.1, s. 1, bullet 2).

Notwithstanding the limiting nature of the language used in Section 1.1, guideline 1, bullet 3, MCFN assert that Stage 1 engagement should address all archaeological resources and cultural heritage values that may be present on the property. This approach better reflects the understanding that archaeological sites do coexist with places of sacred or spiritual importance, traditional use, or that are referenced in oral histories. Data relevant to Section 1.1, guideline 1, bullets 8 – 12 require engagement, and the results incorporated into the assessment report.

The timing and integrity of the approach to DOCA for background information will be recorded in the project file.

3.1.2 Section 1.2

The direction in this section applies as written.

3.1.3 Section 1.3 Analysis and Recommendations: Evaluating archaeological potential

S&Gs Section 1.3.1 provides general direction on evaluating archaeological potential. Features of archaeological potential are presented as a bullet point list, with no ranking of features. Bullets 1 – 4 are physical landscape characteristics that can be evaluated using maps or field observation. Bullet 9 concerns municipal or provincial designation and this can also be determined using available documentation.

Bullets 5 – 8 and 10 include information that will be available only through engagement. Specifically, “special or spiritual places” (bullet 5), or “resource areas” of value to the Nation (bullet 6) cannot be determined solely on the

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basis of physical indicators. Further, historical settlement features described in bullets 7, 8 and 10 should not be construed as automatically describing European settler landscape elements, given the continuous and ongoing occupation of the Treaty area by Anishinaabe people.

In some areas, archaeological potential models or archaeological master plans are the basis for determining the requirement for assessment. As these models / plans are renewed, DOCA will seek engagement to ensure that the datasets considered in the development of the model / plan, and the output produced is a reasonable representation of archaeological site distributions and MCFN traditional use within the Treaty Lands and Territory.

3.1.4 Section 1.4.1

Section 1.4.1 describes the process for reducing the area that will be subject to Stage 2 test pit survey.

For areas that will be test pitted, reporting on Section 1.4.1, s. 1(c) (iii) and (iv), and Section 1.4.1, s. 1(e) (iii) and (iv), must clearly articulate how MCFN input was gathered and considered in the evaluation of potential.

DOCA must be engaged in the evaluation that leads to a reduction in areas to be subject to test pit survey. This requires treating S&Gs Section 1.4.1, guideline 1 as a *standard*. The guideline states, in part, that “the consultant archaeologist may wish to engage with Aboriginal communities to ensure there are no unaddressed cultural heritage interests”.

In other cases, the area to be examined at Stage 2 may be increased to incorporate MCFN input, as described in the MHSTCI Bulletin on Engaging Aboriginal Communities, Section 3.3.

3.1.5 Stage 1 reporting

For Stage 1 assessment reports, the direction found in Sections 7.5.1 to 7.5.12, and 7.7.1 to 7.7.6 applies as written, with the following exceptions, additions or clarifications.

The results of the research conducted for the background study must be reported in the Stage 1 assessment report. Section 7.7.1, s. 1 states that the research must be clearly described and information sources documented. The report content must also clearly demonstrate that the standards for background research were met.

In addition to the Aboriginal engagement documentation required by Section 7.6.2, it will be necessary to provide a clear and accurate report of the information obtained through engagement, and how it was applied to the assessment functions required by Sections 1.1, 1.3 and 1.4.1.

3.2 MHSTCI Standards and Guidelines Stage 2

The S&Gs state that the purpose of the Stage 2 property assessment is to inventory the archaeological resources on a property, and to determine “whether any of the resources might be artifacts and archaeological sites with cultural heritage value or interest”. The distinction between archaeological resources, on the one hand, and artifacts and archaeological sites on the other derives from the definitions found in O.Reg. 170/04.

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Section 2 of the S&G set out the *minimum* standards for fieldwork at Stage 2. The standards form the basis for professional practice in archaeological assessment. As such, MCFN expect strict compliance with the standards for assessments undertaken within the Treaty Area. As most of the standards are quantitative targets, FLRs will assist consultant archaeologists in meeting compliance expectations, and can collect data on the conditions that led to the exercise of professional judgment to deviate from the standards. Planned deviation from the standards, based on professional judgment and permitted by the S&Gs should be discussed as part of the ongoing engagement with DOCA, and described clearly in resulting reports.

3.2.1 Section 2.1

Section 2.1 sets out the technical requirements for Stage 2 property survey, including pedestrian survey (Section 2.1.1), test pit survey (Section 2.1.2), intensification when archaeological resources are identified (Section 2.1.3), and fieldwork under special conditions (Sections 2.1.4 to 2.1.9).

The direction in Section 2.1 sets out the general and specific *minimum* requirements for Stage 2 fieldwork and analysis. The direction in this section applies as written. DOCA will work with proponents to ensure that FLRs participate in fieldwork to assist in meeting compliance with the standards.

3.2.2 Section 2.2

Section 2.2 sets out the process for determining whether archaeological resources hold cultural heritage value or interest and require further assessment at Stage 3. Notwithstanding the limiting nature of the language used in the Section 2.2 preamble (box text), Stage 2 analysis must address all archaeological resources present on the property. Engagement must address MCFN's stewardship interest in the archaeological resources and cultural heritage values on the property before final recommendations are formulated.

The fieldwork requirements of Stage 2, including intensification when resources are identified must be completed prior to analyzing the results of fieldwork and determining the CHVI of the resources. This determination should not be made 'on the fly' in the field, especially as MCFN have asserted an interest in all archaeological resources within the Treaty area. DOCA may choose to review FLR reports compiled during Stage 2 fieldwork to ensure that the data used in addressing Section 2.2, s. 1, and guidelines 1 to 4 was compliant with the S&Gs and supports the conclusions drawn.

It is important that the direction in Section 2.2, s. 1 is carried out in the context of the local or regional archaeological record. The report of the analysis must include a review of typical or expected artifact densities for sites of different time period or ascribed function regionally.

To clarify Section 2.2, s. 1(b), Stage 3 assessment is required when human remains are identified on a property. For the purposes of compliance with this direction, all human remains, regardless of element or quantity (including fragments, teeth, phalanges, etc.) must be recommended for Stage 3. This direction should not be construed as conflicting with, or limiting the requirement to comply with the Funeral, Burial and Cremation Services Act (SO 2002, c. 33). FLRs will advise on the treatment of the remains.

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In Section 2.2 there are a number of considerations that must be taken into account when evaluating the cultural heritage value or interest of an archaeological site, such as the representativeness of the sample obtained through Stage 2 fieldwork. For example, a single artifact recovered from an average test pit may represent an artifact count equal to or higher than the 'cut-off' proposed for excavation in Stage 3 and 4 directions. Similarly, CSPs conducted under sub-optimal conditions will present a reduced certainty that the sample collected is representative. Reports maintained by FLRs during fieldwork can assist in ensuring that places where additional data, or corrected conclusions may be required.

In the discussion of Stage 1 guidance, it was noted that MCFN hold the view that archaeological potential needs to consider factors beyond the simple presence or absence of artifacts to include landscape considerations and the understanding of how ancestral populations used the land and the resources available. Similarly, in determining cultural heritage value or interest of archaeological resources, it is important to move beyond artifact counts. Highly mobile populations would not necessarily leave extensive and artifact rich sites behind. Analysis of archaeological resources should include the consideration of all archaeological resources as potentially informing the reconstruction of Anishinaabe history, with individual small sites analyzed in aggregate to reflect use of the broader landscape. To clarify, this direction directs the exercise of professional judgment as described in Section 2.2, guidelines 2 and 3 to recommend Stage 3 for low artifact count sites.

3.2.3 Stage 2 reporting

For Stage 2 assessment reports, the direction found in Sections 7.5.1 to 7.5.12 and 7.8.1 to 7.8.7 applies as written, with the following exceptions, additions or clarifications.

Section 7.8.1, s. 1 sets out the documentation requirements for areas *not* surveyed at Stage 2. For areas determined to be of no or low potential at Stage 1, a summary of the engagement on this evaluation must be included. For areas determined during Stage 2 fieldwork to hold low potential, a statement must be provided confirming that the decisions were taken in consultation with DOCA. Specifically, the statement should address the information and reasoning used in the field to satisfy the direction in Section 2.1, s. 2 (a), (b) or (c), confirm that FLRs were advised, and that their input was considered, as part of the decision making.

Section 7.8.1, s. 2 sets out the documentation requirements for Stage 2 property assessment generally. It is recommended that any available DOCA file reference for the project is included in the documentation. Any difference in opinion on fieldwork practices between the consultant archaeologist and FLRs that relate to standards set out in Sections 2.1, 2.1.1 and 2.1.2 should be summarized, including decisions to reduce the area surveyed (Section 7.8.1, s. 2 (c) and (d)).

Section 7.8.3 requires a summary of Stage 2 findings, including a clear statement concerning the assessment of the entire property and each archaeological site. The summary required in Section 7.8.3, s. 1 must include a discussion of all archaeological resources, including those which were determined to hold low CHVI and were not recommended for further assessment. In addition, the analysis and conclusions required in Section 7.8.3, s. 2 must

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include a summary of DOCA engagement or FLR input as applicable. This should summarize the nature and timing of the engagement, the data provided in support of the discussions, and the input received from DOCA.

Section 7.8.2 requires that non-archaeological cultural heritage features, including cultural landscapes should not be documented. As noted in comments made in reference to Section 1.3 and Section 2.2, archaeological sites must be considered in their broader landscape context. The direction in Section 7.8.2 must not be seen as limiting the inclusion of landscape or cultural heritage considerations used in building a complete and accurate understanding of the development property or archaeological resources requiring additional assessment. For example, the discussion of archaeological sites identified at Stage 2, Section 7.8.2, s. 1(b) requires a description of the “area within which artifacts and features were identified”, which may extend to wider landscapes as necessary.

Notwithstanding the direction of Section 7.8.4, s. 2, recommendations for Stage 3 assessment must include a requirement to consider the landscape context of archaeological sites, as appropriate.

Recommendations made in the Stage 2 report set out how all archaeological resources identified on the subject property will be addressed. Stage 3 strategies for sites with CHVI (Section 7.8.4, s. 1(c)), must include recommendations for engagement and FLR participation in fieldwork among the “appropriate Stage 3 assessment strategies”.

Section 7.8.5, s. 1 recommendations for partial clearance must include requirements for engagement and including FLRs in excavation and monitoring.

3.3 MHSTCI Standards and Guidelines Stage 3

The purpose of Stage 3 site-specific assessment is to assess the cultural heritage value or interest of archaeological sites identified at Stage 2 in order to determine the need for mitigation of development impacts. The two key components to Stage 3 site specific assessment are historical research and archaeological site assessment. The outcome of Stage 3 is a clear understanding of whether each site has been sufficiently documented, or if further work is required to protect or fully document the site.

The direction in Section 3 of the S&Gs set out the *minimum* standards for additional background research and for fieldwork at Stage 3. While efforts in excess of the S&Gs are supported, strict compliance with the standards will be expected. DOCA will work with proponents to ensure that FLRs participate in fieldwork to assist in meeting compliance.

Stage 3 also includes a significant engagement component, and DOCA will serve as the primary contact for archaeologists and proponents. Engagement is specifically required as a standard in compiling additional historical documentation (Section 3.1, s. 1(a) and 1(b)), in the evaluation of CHVI (Section 3.4, s. 2), and in formulating Stage 4 strategies (Section 3.5, s. 1). As noted previously, MFCN assert that all archaeological sites should be considered as being of interest to the Nation (Section 3.5, s. 1(f)).

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3.3.1 Section 3.1 Historical documentation

Section 3.1 sets out the requirements for additional research to supplement and expand the research carried out in Stage 1. The additional documentary information must be considered in Stage 3 and Stage 4 fieldwork and analysis. Documentary research should be sufficient to ensure that the consulting archaeologist has a good understanding of the recent occupation history, as well as clear knowledge of the landscape and traditional occupation of the local landscape surrounding the site.

Section 3.1, s. 1(a) requires that, "when available", research regarding "features or information identifying an archaeological site as sacred to Aboriginal communities" is completed. Further, Section 3.1, s. 1(b) requires research relating to "individuals or communities with oral or written information about the archaeological site". To meet the requirements of this direction, MCFN expect that research will be commenced as part of the Stage 1 background study, will require engagement, and in reporting should reflect a serious effort to identify information relating to the local area, property, or site especially as it pertains to past occupation by Mississauga or other Indigenous peoples. As part of the background research, Section 3.2, s. 1 requires that the consultant archaeologist review "all relevant reports of previous fieldwork" prior to commencing fieldwork. If a new licensee assumes responsibility for the archaeological assessment at Stage 3, this review must include contacting DOCA for a summary of engagement and FLR reports on Stage 1 and 2.

3.3.2 Section 3.2

Section 3.2 sets out the standards for Stage 3 site-specific assessment fieldwork, including controlled surface pickup (Section 3.2.1) and test unit excavation (Section 3.2.2). Section 3.2. 3 and Table 3.1 describe the how the number and distribution of test units is determined.

The direction in this section applies as written, with the exceptions, additions or clarifications noted below. In all instances, DOCA will work with proponent to ensure that FLRs are available to support compliance during fieldwork.

The identification and treatment of features encountered at Stage 3 is discussed in Section 3.2.2, s. 6. Feature identification should be conservative, as it is preferable to overestimate the number of features at Stage 3, rather than lose data or create complications for fieldwork at Stage 4. On sites where a high proportion of the features appear equivocal as to cultural origin (forest fire or hearth?), these features must be preserved, and a sample excavated and reported at Stage 4 to create a record for the benefit of future archaeological fieldwork. Alternately, this sampling can be completed under the direction in Section 3.2.2, g. 3.

Selecting screen aperture during Stage 3 fieldwork (Section 3.2.2, guideline 1), should also take a conservative approach. The consultant archaeologist should exercise professional judgment and move to screening with 3mm mesh whenever small artifacts (seed beads, retouch flakes) are anticipated or noted.

Section 3.2.3 and Table 3.1 set out the technical requirements for placement and number of test units. Critical to the success of Stage 3 fieldwork is establishing site boundaries. Site boundaries must be set beyond the edge of

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the artifact concentration, plus a reasonable buffer within which solitary artifacts separated from the main site by post-depositional disturbance may be anticipated. While the guideline (Section 3.2.3, guideline 1) allows for discretion in determining site boundaries, determining boundaries on the basis of low artifact frequency (guideline 1(b)), or typical site characteristics (guidelines 1(c) and 1(d)), must be supported by both data and a clear rationale. For example, determining that a site boundary can be set based on “repetitive low yields” requires additional testing beyond this boundary to ensure that additional concentrations not identified at Stage 2 are recorded. Low yields at the periphery of a site may indicate a weakly defined boundary, but may also represent a much larger, diffuse site marking a low intensity, repeated occupation of a place.

Sterile units mark the boundary of archaeological sites, clearly demonstrating that no further archaeological resources occur within a reasonable distance from the site boundary. It is recommended that sterile units to *at least* ten meters from the site area (i.e. two consecutive sterile test units on the five meter grid), are recorded. This will ensure that isolated sterile units marking a low-count region within a site are misattributed as marking the site boundary. In reporting, the decisions made regarding site boundaries, including the rationale and supporting data should be clearly documented. This summary should note the input received from FLRs.

3.3.3 Section 3.3

Section 3.3.1 describes alternative strategies for determining the extent and complexity of large (Section 3.3.1 and 3.3.2) or deeply buried archaeological sites (Section 3.3.3).

The direction in this section applies as written, with the following exceptions, additions or clarifications. DOCA will work with proponent to ensure that FLRs are available to assist with compliance during fieldwork.

Section 3.3.2 outlines an optional strategy of using topsoil stripping to determine site boundaries, and is not the preferred approach to excavation by MCFN. It is necessary to note that mechanical topsoil removal is not intended to be applied within the site area. Mechanical excavation must begin outside the archaeological site boundary working in toward the centre (Section 3.3.2, s. 3), and must be suspended once cultural features or the previously mapped extent of surface artifacts is encountered (Section 3.3.2, s. 4).

Prior to scheduling mechanical stripping, the consultant archaeologist must establish an on-site protocol for the proposed mechanical stripping with FLRs. The protocol must confirm the extent of the site as determined by artifact distributions and test unit results to establish where trenching will commence and be suspended. The protocol must also cover terminating or suspending trenching when artifacts or features are identified, and for treating cultural features in subsoil, and artifacts from disturbed soil or back dirt, including how back dirt will be processed to recover artifacts from excavated soil.

3.3.4 Section 3.4

Section 3.4 provides direction on how the information gathered in the archaeological assessment up to the end of Stage 3 fieldwork is used to assess the CHVI of each archaeological site. In turn, CHVI will determine whether the site is sufficiently documented, or if Stage 4 mitigation of development impacts is required.

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To comply with the requirements of Section 3.4, consultant archaeologists must work with DOCA to determine CHVI and Stage 4 mitigation strategies for each site. This requires that concise documentation demonstrating that the site has been assessed to the level of care set out in the S&Gs is provided in a timely manner, and that any concerns previously expressed by DOCA or individual FLRs were addressed. The documentation should include the historical background research conducted in Stage 1 and Stage 3, a record of engagement with DOCA, and a summary of the artifact and site analysis. DOCA may also review FLR reports on fieldwork, or determine if band members hold specific or general knowledge of the site or development property. In the absence of earlier engagement, it may be necessary to provide additional resources to support the DOCA review.

The S&Gs state that Stage 4 mitigation is required for specific classes of site, including "...sites identified as sacred or as containing burials" (Section 3.4, s. 1(a)). Sites of sacred or spiritual importance may include places on the landscape that do not contain archaeological resources in sufficient quantity to allow a clear determination of the site's CHVI. Alternately, ceremonial space may be clearly expressed through the features and objects recovered archaeologically. Burial sites, graves and human remains (including isolated elements) must also be considered sacred. As reflected in Section 3.5, s. 1(b), all human remains require special treatment. They are culturally important as they may represent interments or signal a sacred or spiritual value at the site. Ultimately, MCFN is the only party who can determine whether an archaeological site is sacred to the Nation, and as such, DOCA must be engaged.

The description of 'sacred' sites in the S&Gs is limiting. Sacred sites may include sites of cultural or historical importance, places associated with traditional land use or activities, or places features in traditional narratives (Section 3.4, s. 2). In most cases, 'sacred' sites will be those identified by the Nation, and FLRs will be the source of much of this information. Where specific knowledge of an individual archaeological site does not exist in the Nation's current knowledge base, the CHVI of the site may be co-determined by the Nation and consultant archaeologist.

Note that the underlying cultural interest in a site or development property, or the basis of the identification of sacred or spiritual places will not be disclosed in all cases. The Nation will not assume the position of research subject.

Small or diffuse lithic scatters must not be automatically determined to hold low CHVI (Section 3.4.1). Anishinabeg traveled extensively throughout the Treaty area and beyond, and one aspect of this lifestyle was traveling light, with individuals and groups carrying only a small amount of material goods. As a result, loss rates were low and the archaeological sites associated with this cultural pattern will be smaller, low artifact count sites. Therefore, small sites with low artifact frequencies may hold a higher cultural significance than would be determined on the basis of artifact count. The analysis of small sites requires consideration of the wider landscape setting of the site and relationship to other local sites. For many of these smaller sites it is recommended that the consultant archaeologist exercise professional judgment, and follow the direction in Section 3.4.1, guideline 1(c).

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Section 3.4.3 provides additional criteria for determining CHVI of individual archaeological sites. For archaeological sites in the Treaty area, the criteria in Table 3.2 must be reviewed by the consultant archaeologist to determine CHVI and formulating Stage 4 strategies. The consulting archaeologist must clarify in reporting how each of the criteria is or is not met for the archaeological site.

In terms of the 'information value' of a site, consideration of the related indicators must look beyond the concept of archaeological information, to include consideration of how the information contained in the site can contribute to building a more complete history of cultural and traditional land use patterns within the Treaty area.

3.3.5 Section 3.5

Developing Stage 4 mitigation strategies requires engagement at Stage 3 (Section 3.5, s. 1). This engagement should be the culmination of an ongoing engagement that began at Stage 1 (or earlier). Engagement will include contributing to the "careful consideration" leading to a decision to excavate, as required in Section 3.5, s. 2, and to document any "unusual circumstances" indicated in Section 3.5, s.3.

Contrary to the presentation in the S&Gs, the recommended Stage 4 strategies *must* reflect MCFN input. For compliance with Section 3.5, s. 2, documentation must include records of all communications, meetings, presentation materials, and resolutions arrived at between the consultant archaeologist and DOCA, and between the consultant and the proponent where mitigation was discussed. Where the recommended strategy is at variance with MCFN's position, the basis for the decision must be clearly articulated in the final report of Stage 3 fieldwork.

Some sites, where Indigenous occupation is not indicated by Stage 1 to 3 assessments, may be excluded from engagement by mutual agreement.

The formulation of Stage 4 strategies must anticipate operational decisions that may be made during Stage 4. Section 4.2.1, g. 1, allows for sampling strategies to reduce the "degree or intensity of the archaeological fieldwork". Incomplete excavation of an archaeological site promotes archaeological interests over the stewardship interest of MCFN. Sampling must only be considered after a detailed review of the sampling strategy and potential consequences for information recovery from the site is completed. Details of the proposed sampling strategies must be described in detail in the recommendations to the Stage 3 report, and the justification and research supporting the recommendations should be clearly articulated in the analysis and conclusion sections. Stage 4 recommendations should also provide a specific commitment to engage DOCA when sampling decisions are made in the field, including a time allowance to consider the decision, and a process for incorporating DOCA input into the decision making.

3.3.6 Stage 3 reporting

For Stage 3 assessment reports, the direction found in Sections 7.5.1 to 7.5.12 and 7.9.1 to 7.9.7 applies as written, with the following exceptions, additions or clarifications.

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The description of the field methods required in Section 7.9.1, may be supplemented by reference to the FLR reporting on the fieldwork, as applicable.

Section 7.9.3, s. 3 requires that the analysis and conclusions of the report are compared to current archaeological knowledge. This must include current research, and not simply rely on other consulting reports and standards references. In addition, this research must consider the direction set out in this document, and the results of engagement. Section 7.9.4, s. 1(a) requires that reporting on Section 3.5 include a discussion and summary of engagement. A clear and detailed discussion of engagement is required in Section 7.9.4, s. 2, and this discussion must include the rationale for proposing any actions that is contrary to the stated position of DOCA. For example, decisions made to excavate or terminate an assessment (Sec. 7.9.4, s. 3 or s. 5), where that differs from the DOCA position, then a clear statement of this difference, including the dissenting position, must be provided in the report.

3.4 MHSTCI Standards and Guidelines Stage 4

Archaeological sites holding cultural heritage value or interest require Stage 4 mitigation of development impacts. Impacts may be mitigated by either avoidance and protection, or excavation and documentation. Avoidance and long term protection is the preferred approach to mitigation. Avoidance allows the archaeological site to be preserved intact for future use as an archaeological resource and cultural heritage value in addition to preserving a range of material and intangible values not directly recoverable through the application of archaeological techniques.

The S&Gs articulate that avoidance and protection are “most viable when the cultural heritage value or interest of the archaeological site is determined early in the planning stages of the development”. This supports the position taken in this document that early engagement with DOCA is beneficial for all parties to the assessment, and to the archaeological resource.

3.4.1 Section 4.1 Avoidance and Protection

The direction in Section 4 sets out the general and specific *minimum* requirements for Stage 4 fieldwork and analysis. The direction in this section applies as written, with the following exceptions, additions and clarifications. DOCA will work with proponents to ensure that FLRs participate in fieldwork to assist in meeting compliance.

Section 4.1, s. 1 requires that protection must follow completion of Stages 2 and 3. Where DOCA has not been engaged previously on the assessment, the process permitted under Section 4.1 is considered premature and must not proceed. This also applies in cases where the Stage 3 engagement is ongoing, or if a response to a concern raised by DOCA to MHSTCI or some other party to the development process has not been received.

The buffers signified in Section 4.1, s. 2 are minimums. Larger buffers based on local topographic or development conditions must be identified where they will enhance long-term protection. Elements of the surrounding landscape beyond the minimum buffers should be adapted into the protection area to ensure that the site

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remains in a naturalistic setting. This requires working with the proponent and the approval authority early in the process to build agreement in principle with the idea, and to facilitate moving to a satisfactory outcome. In a similar manner, where a number of sites are present in close proximity, protection strategies that include protection of a larger area enclosing all of the sites should be considered.

Section 4.1.3 concerns temporary avoidance. The standard requires that the commitment from the proponent that “the archaeological site will not be impacted in the short term, and a plan to carry out full excavation in the future” is included in the report package. The avoidance and protection strategy requires approval authority agreement. DOCA must be provided with notice of the temporary avoidance and protection strategy and excavation timeline, and provided an opportunity to comment.

Section 4.1.4 concerns the mechanisms required to ensure effective long term protection of the archaeological site. The avoidance and protection strategy must include DOCA engagement, and an opportunity to participate in the long term protection. MCFN has the capacity to provide stewardship and oversight to the long term protection of archaeological sites beyond that provided by other corporate bodies and municipalities; therefore DOCA must be included in the drafting of long term protection mechanisms.

Section 4.1.4, s. 1 directs that the protection mechanism “sets out how protection of the archaeological site is to be addressed as a prerequisite to any proposed removal of the archaeological restrictions on the land in the future”. The mechanism must recognize the Treaty rights and the stewardship role of MCFN, and require engagement regarding any future review of the protected status of the archaeological site for development or excavation. This recognition must form part of the long-term protection mechanism, and should not be part of a sub-agreement or other agreement that may not continue in force over time.

The identified restrictions on uses of the archaeological site (Section 4.1.4, s. 2) must not prohibit or infringe the right of MCFN to carry out any cultural or ceremonial activities that may be required. MCFN stewardship and DOCA participation in any future work at the site must be referenced in the “document confirming... awareness of” obligations for the archaeological site required in Section 4.1.4, s. 3.

3.4.2 Section 4.2 Excavation

Section 4.2 sets out the requirements for excavation and documentation. As the introduction to Section 4.2 states, “protection in an intact state is always the preferred option” for archaeological sites with CHVI. The S&Gs confirm that conversion of archaeological sites into archaeological data results in the “loss of contextual information”. As noted previously, archaeological techniques are insufficient to capture the range of cultural heritage values the archaeological site may contain, including intangible values such as the sacred or spiritual elements that are referenced throughout the S&Gs. Nevertheless, conflict between contemporary development pressures and archaeological sites inevitably leads to a large proportion of archaeological sites being scheduled for destruction.

The direction in Section 4.2 sets out the general and specific requirements for Stage 4 fieldwork and analysis. The direction in this section applies as written, with the following exceptions, additions and clarifications. Within the

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Treaty Lands and Territory, FLRs must participate in fieldwork, and will assist in meeting compliance. Stewardship of the archaeological resources and cultural heritage values require that archaeological sites will be completely excavated by hand (i.e. no mechanical topsoil stripping) and artifact recovery will be maximized, when excavation and documentation is considered the only mitigation alternative.

Before commencing fieldwork, the consultant archaeologist is required to review "all relevant reports of previous fieldwork" (Section 4.2.1, s. 2). If a new licensee assumes responsibility for the archaeological assessment at Stage 4, this review must include a review of engagement from the preceding stages. This review should also include reports of fieldwork on adjacent properties or the local area for context.

Section 4.2.1, g. 1 allows for sampling of archaeological sites "as a means of reduc[ing] the degree or intensity of archaeological fieldwork while still accomplishing the objectives for Stage 4 excavation". Sampling must be pursued with caution, in limited instances and following a detailed review of the strategy and potential consequences to archaeological and cultural data recovery. Sampling is generally only acceptable where it has been recommended in the Stage 3 report, and had been a focus of engagement.

Section 4.2.2 concerns excavation by hand. The preamble to Section 4.2 states, "All archaeological sites for which Stage 4 excavation is carried out...must be excavated partly or completely by hand. Hand excavation is the preferred method for removing topsoil because topsoil stripping destroys any evidence of later site formation processes and leaves behind displaced artifacts". This clarifies that hand excavation is preferred, and signals a concern that stripping may lead to archaeological data and features being overlooked or artifacts left behind at the site. The section continues, stating that on completing Stage 4 excavations "the site no longer exists in the ground [and] archaeological concerns under land use planning and development processes can be considered addressed". This creates the uncomfortable outcome that archaeological data, artifacts and other cultural heritage objects may remain at the location after the site has been declared to no longer exist. This loss of site context and artifacts compound the cumulative impact to cultural heritage values of importance to MCFN and other indigenous communities.

Mechanical topsoil stripping is discussed in Section 4.2.3. As the S&Gs note, "the rationale for topsoil stripping is that the careful documentation of intact archaeological resources...offsets the loss of fragmentary information in the topsoil layer". Mechanical stripping presents considerable risk to archaeological resources and must be considered an exceptional practice in the absence of a compelling rationale. Any proposal to mechanically strip a site must be a key topic of discussion during engagement at Stage 3. FLRs will be available to advise in the field on compliance with the S&Gs and any agreements reached in engagement.

As set out in the S&Gs, mechanical topsoil stripping is only acceptable under specific circumstances (Section 4.2.3). The archaeological site must have been subject to ploughing for many years, be a single component site, be "large", be a Woodland period site or later, and there must be a representative artifact collection from Stage 2 and Stage 3 surface collection and test unit excavation. Analysis of earlier fieldwork must be completed to the point where the site can be demonstrated to be a single component.

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The judgment on the size of the site and adequacy of the artifact collection, and whether the site represents a single component, must be discussed in the Stage 3 report and raised during engagement. During fieldwork, stripping must not extend below the topsoil/subsoil interface (Section 4.2.3, s. 3), and only the area that can be cleared and examined at the time of stripping should be exposed (Section 4.2.3, s. 4). It is critical that the Stage 4 recommendations and on-site protocols support the role of FLRs in identifying compliance shortfalls during mechanical topsoil stripping. Work at variance with the S&Gs must be stopped as soon after being identified to the project archaeologist or field director as possible.

Section 4.2.4 provides direction on the excavation of Woodland period archaeological sites. This direction notes that Woodland sites are 'usually' excavated using a combination of hand and mechanical excavation. As mechanical topsoil stripping increases the risks to archaeological sites, use of the technique must be limited and justified on a site by site basis. It is strongly recommended that the area mechanically excavated is minimized, with hand excavation expanded beyond the limits set out in the S&Gs (Section 4.2.4, s.1, and 4.2.4, s. 5, augmented by guidelines 1 to 3). In all instances of mechanical topsoil stripping, provision for recovering any artifacts displaced to back dirt piles must be made. It is preferred that back dirt is screened to facilitate full artifact recovery.

For large lithic scatters and lithic quarry sites, compliance with Sections 4.2.5 and 4.2.6 will require that Stage 3 analysis is complete prior to engagement, and that the results of analysis are provided during engagement with DOCA. When finalizing the Stage 4 recommendations and strategies for Stage 4, (specifically Sec. 4.2.5, s. 1(b) and Sec. 4.2.6, s. 2), this analysis must be available, meaning that the Stage 3 results must have been analyzed from this perspective.

Requirements for the treatment of undisturbed archaeological sites are described in Section 4.2.9. The preamble of the section states that "every effort must be made to ensure" that undisturbed sites are avoided and protected. Further, "any recommendation to excavate must have been made in consideration of feedback from engagement...and a careful review of the viability of preservation options". MCFN support avoidance and long term protection of archaeological sites, and are emphatic that consultant archaeologists advocate strenuously that undisturbed sites are protected from adverse impact, including excavation. All undisturbed sites must be brought to the attention of DOCA as early in the assessment process as possible, and engagement on the Stage 4 recommendations for the site is required. FLR reports concerning earlier stages of fieldwork, and specifically indications of past disturbance, may be reviewed to ensure that undisturbed sites are appropriately represented in Stage 3 deliberations.

Undisturbed sites that cannot be avoided and protected must be completely excavated by hand. FLRs will be available to support compliance with the direction on excavating undisturbed sites. This will include ensuring that the additional units indicated in Section 4.2.9, s. 4 are sterile, and that features are investigated as directed in Section 4.2.9, s. 5. While not specified in the S&Gs, recording and collecting non-diagnostic artifacts and informal tools, collection must be to 0.25m² quadrant and level at a minimum. As with the direction on undisturbed sites, developing a mitigation plan for rare archaeological sites (Section 4.2.10) will require engagement and FLR participation in fieldwork.

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3.4.3 Section 4.3

The goal of excavation and documentation is complete recovery of the archaeological information contained within the site. Sampling suggests that the contents of sites are generally consistent between sites, and that the information potential of any given site is predictable. However, this gives the impression that the site being assessed is of a lesser value than those that have been excavated previously. Cumulative effects to the overall archaeological record will accrue under this process, and shortcomings of historical research amplified. This perspective may also lead to acceleration in the rate of site loss over time, and excavated collections are increasingly viewed as additional and redundant data. For these reasons, sampling or reducing the extent of excavation at Stage 4 should only be pursued under exceptional circumstances, and then only after detailed research to support the decision to sample has been completed and presented in engagement. In all cases, excavation must include units within a 10m buffer (at Stage 3 or Stage 4) surrounding the site to ensure that site boundaries are accurately located and unit-yield counts do not increase in adjacent areas.

Table 4.1 in Section 4.3 of the S&Gs provides direction on determining the extent of Stage 4 excavations. In hand excavation, the unit-yield serves as an indicator of when the limits of a site have been reached. Units with fewer than 10 artifacts per unit mark the boundary of the site. Excavation must continue where at least two formal or diagnostic artifacts, fire cracked rock, bone or burnt artifacts are present. In the interest of complete recovery and correct boundary placement, it is recommended that excavation continue for at least two contiguous units at low counts (<5) before the site boundary or limits to excavation are declared.

Table 4.1 also provides direction for undisturbed site excavation limits, indicating that counts of ten or fewer artifacts mark the limit of excavations. However, undisturbed sites provide an opportunity to gather information on site formation processes as well as a "complete" inventory of materials and features. For this reason, 100% excavation and artifact recovery is required for these sites. Two consecutive units with zero artifacts must be excavated at the periphery of the site to ensure that excavation has captured the entire site.

For large, dense lithic scatters where individual unit counts are high, Table 4.1 allows that excavation can be terminated where unit counts drop to 10% of the highest yield at the core of the site. This guidance must be applied with caution, and excavations must continue where the nature of the artifact recoveries at the proposed boundary differ from those in the core of the site. For example, where a high count area comprised of smaller pressure flakes is used to define the centre of the site, and a lower count area comprised of larger early stage block reduction is positioned on the 'periphery', this may indicate the overlap of two different functional areas, and not the site boundary. This reinforces the direction in Table 4.1 that areas of lower concentration adjacent to the areas of higher density must be examined to ensure that they do not mark discrete components, habitation or activity areas. Lithic quarry sites require complete excavation of all discrete areas. There are no unit-yield measures for determining limits to excavation.

Table 4.1 also provides direction that for sites subject to mechanical topsoil stripping, excavation is considered complete when all cultural features have been exposed and excavated. The stripping must extend at least 10m

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beyond all cultural features. Unit yields are not applicable as the artifacts from the plough zone are in the back dirt. As noted previously, measures must be taken to recover artifacts from the stripped topsoil to approach complete artifact recovery.

3.4.4 Stage 4 reporting

For Stage 4 excavation reports, the direction found in Sections 7.5.1 to 7.5.12 and 7.11.1 to 7.11.6 applies as written, with the following exceptions, additions or clarifications. Stage 4 avoidance reports follow the direction found in Sections 7.10.1 to 7.10.3.

Section 7.11.1, s. 1(c) requires that decisions made in the field regarding unit placement is documented. For compliance with this standard, the engagement, including in-field discussions with FLRs and any divergent opinions on how to proceed must be reported. Section 7.11.4, s. 1 requires that a recommendation of “no further cultural heritage value or interest” remains for the site. This recommendation should not be made if disputes regarding the completeness of the excavation have been raised by DOCA and are unresolved. Recommendations should also note that the outcome of the archaeological assessment may not remove a cultural heritage place, defined on the basis of cultural or intangible values at the site by MCFN, regardless of the archaeological assessment status.

3.5 Aboriginal Engagement Reporting (Section 7.6.2)

The Aboriginal engagement report supplements the information provided in the body of the report. As the guidance in this document sets out, MCFN expect to be engaged at all stages of archaeological assessment. Therefore, Aboriginal engagement reports should be prepared for all stages of assessment. Engagement includes timely notification of all assessment-related fieldwork to be undertaken on MCFN Treaty Lands and Territory, the participation of FLRs, clear communication regarding fieldwork decisions and recommendations, and acknowledgement of MCFN’s role as stewards of archaeological resources within the Treaty Lands and Territory.

Section 7.6.2 provides direction on the required contents of the Aboriginal engagement report. Each report must include the identification of who was engaged, and how the engagement was carried out. For assessments on MCFN Treaty Lands and Territory, engagement will be with DOCA and the FLRs participating in the fieldwork (Section 7.6.2, s. 1(a)). This document will represent the protocol for engagement (Section 7.6.2, s. 1(b)). To compile a complete record of engagement, the report must also include information on the timing of engagement and, for Stage 2 to 4 assessments, whether engagement had been carried out in earlier stages. DOCA, as part of their administration and coordination of the engagement response, will provide a reference number for each engagement. The report should note this reference and the dates of engagement (Section 7.6.2, s. 1(c)). This will assist DOCA in tracking the assessment, and provide MHSTCI reviewers with assurance that the documentation reflects the approach, process and outcome clearly and accurately.

Documentation for the engagement process must also outline and give reasons for the strategies used to incorporate input from DOCA and FLRs into fieldwork decisions, and how the results of the assessment were

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reported back to the Nation. The outline required by Section 7.2, s. 1(d) must include a description of how DOCA was approached for input to the assessment, including background information at Stage 1 and Stage 3, field direction from FLRs at Stages 2 through 4, and DOCA participation in preparing or reviewing recommendations made at Stage 1 through 4. Acknowledging that points of difference may occur, it is important that the report clearly articulate where DOCA direction varied from S&Gs direction, where the consultant archaeologist chose not to implement direction from DOCA or FLRs, or where recommendations made were at variance with the position taken by DOCA or FLRs. Finally, a statement on when and how the final report of each stage of assessment was transmitted to DOCA must be included (Section 7.6.2, s. 1(e)). Reporting back must include providing a copy of the final report of the assessment to DOCA in a timely manner, including the completed Aboriginal engagement report.

The direction provided in Section 7.6.2, s. 2, applies as written; however, it is important to note places or values holding cultural sensitivity may be identified on any property. In these cases, DOCA will work with the consultant archaeologist to identify boundaries, restrictions, or fieldwork practices that will address the cultural concern, even if detailed information on the underlying value is not provided. This will be the practice when, in the view of DOCA, providing MHSTCI or the consultant archaeologist details of the exact nature of the underlying cultural value is not required to achieve protection.

In reference to Section 7.6.2, g. 1, it is important to note that MCFN hold that all archaeological resources present within the Treaty Lands and Territory are of interest to the Nation as part of their cultural patrimony. Resources, regardless of size, frequency or condition should not be interpreted in such a way as to remove the requirement for engagement.

3.5.1 Supplementary Documentation

Section 7.3.4 notes that supplementary documentation is required to improve the clarity of archaeological assessment reports... "For the purposes of review, the ministry may require supplementary documentation to verify that fieldwork was conducted according to [the MHSTCI] standards and guidelines."

Section 7.6.2 provides standards and guidelines for Aboriginal engagement and is applicable to all stages of archaeological assessment reporting. The section clarifies that "critical information arising from Aboriginal engagement that affected fieldwork decisions, documentation, recommendations or the licensee's ability to comply with the conditions of the license" should be documented and included in the body of the report. Additional details and data resulting from engagement should be provided in supplementary documentation to the report. This includes "copies of any documentation arising from the process of engagement".

DOCA administrative processes and FLR reports do not constitute additional documentation to be included in the supplementary documentation to an archaeological report. The documentation will not be provided, as the licensee's own records should provide sufficient detail regarding engagement. These records may be made available to and approval authorities if required to address an unresolved disagreement between MCFN, the consultant, proponent, or approval authority. MCFN expect that a complete record of engagement will be

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maintained for any work within the Treaty Lands and Territory, and that MHSTCI and approval authorities will consider the substance and outcome of engagement when reviewing assessment reports or development proposals.

4.0 Additional Direction

4.1 Collections management

The disposition of archaeological collections remains of interest to MCFN. All disposition agreements entered into at the end of an archaeological assessment must recognize MCFN's role as stewards of the resource, and provide explicit direction that MCFN may assume control over collections under the following circumstances:

- When the curatorial facility is derelict in its responsibility to care for the collections, including providing for appropriate cultural protocols, or,
- When MCFN develop a curatorial facility for the purpose of long term curation of archaeological collections.

When the license holder fails to make arrangements for the long term care of archaeological collections within a reasonable period of time after the conclusion of an archaeological assessment, MCFN may intervene with MHSTCI to require that the collection is transferred to an appropriate facility with the costs of the transfer being assumed by the ministry or archaeologist.

Note: We recognize that MHSTCI will be developing collections management direction in the near future. MCFN will be actively engaged in the deliberations leading to this policy as it progresses.

4.1.1 Costs

Archaeological fieldwork is directed to the identification and recovery of archaeological resources, primarily material objects indicating past cultural activity. Through excavation and documentation the cultural legacy contained in archaeological sites is imperfectly translated from the material remains into collections and documents that represent the site as data.

At the early stages of archaeological assessment, artifact collections may be relatively modest; however, excavation of archaeological sites can lead to sizeable collections, including artifacts and documentary records. Excavated collections must be cared for. The Ontario Heritage Act is clear that the initial cost to curate collections falls to the licensed archaeologist responsible for the fieldwork. These costs include cleaning, cataloguing, analysis, packing and storage. The OHA also provides for collections to be transferred to a public institution or repository, which may also involve a cost. The cost for maintaining collections remains with the licensee until alternate arrangements are made. If provisions for the long term curation are not addressed during the assessment, the license holder may be liable for the cost of long term curation as well, unless the collection is abandoned or a public or private institution is willing to assume responsibility.

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It is important that costs relating to short and long term curation are identified to the proponent early in the assessment process. This will reinforce that archaeological site excavation is a serious undertaking. If excavation is carried out, proposals for the work must include costs for packing and transferring the collections to a repository, and a timeline for this transfer to be effected. A commitment to complete the transfer must be included in the final report.

Another significant concern arising from the creation of archaeological collections is the cultural cost of reducing the rich cultural legacy that can reside in an archaeological site to collections and data formulated in a way that privileges standard archaeological practice and view of the past. The OHA and S&Gs provide little direction and do not compel any licensee to address First Nations' concerns with investigation, collection or excavation at archaeological sites.

Additional costs may be encountered when curating an archaeological collection to culturally specific standards, including additional cultural requirements for artifact handling, storage and treatment. Storage conditions may require that collections are made available from time to time for traditional observance or cultural ceremony, or the collections and facility itself may require ongoing cultural maintenance. This will increase costs above the basic cost of 'dead storage' space, and must be anticipated in funding.

A hidden cost in curation is the cumulative impact of archaeological practice on the remaining archaeological sites. Collections currently managed for long term use as research and educational material far exceed the capacity for new research to address. However, the value of archaeological collections to communities has not been thoroughly explored. Given that MCFN stewardship over the archaeological resource does not end with excavation and reporting, the potential for long term community management of archaeological collections should be identified. A provision that MCFN retain the right to transfer collections or specific artifacts from archaeological sites Treaty Lands and territory to MCFN designated or operated facilities at some time in the future should be included in the final report of the assessment.

For this, and a variety of other reasons, it is vitally important to MCFN that the archaeological collections that are removed from the ground are treated in a manner that conforms to the OHA, and allows MCFN to exercise our inherent right to act as stewards of our cultural patrimony.

4.2 Human remains and burials

Human remains are not archaeological resources. They are the remains of ancestors who were interred, or died without burial, at or near the location where they are discovered. All human remains identified during archaeological fieldwork are of interest to MCFN, and appropriate treatment of human remains is of considerable importance to the Nation.

The Funeral, Burial and Cremation Services Act and the Coroners Act direct the treatment of human remains upon discovery. While there is variation in the language used in the legislation and the S&Gs (burials, graves, human remains), it is preferred that a uniform approach is followed. When human remains are identified in the field first contact should be to the Coroner or police. Protocol should also dictate that DOCA or the FLR on site, and the Registrar of Cemeteries area also advised of the discovery. Once the police determine that the remains have no forensic interest, the Registrar, the proponent or landowner, MCFN and others representing the deceased will negotiate a site disposition agreement. MCFN prefer that the remains are re-interred as close as possible to the location where they were found. Depending on the quantity of human remains, the nature of the development, and the local availability of undisturbed lands that will not be impacted by development, re-interment may occur on the development property. If this is not possible, then interment at another location suitable to the purpose and acceptable to MCFN (and others) should be pursued.

The nature of this document is to put into practice pre-emptive engagement with DOCA and the ongoing presence of FLRs on location during archaeological assessments. For this reason, there should be no circumstances in which decision-making around the current and future treatment of human remains should bypass MCFN. However, if the protocols within this document have not been respected and a discovery of human remains is made without FLR presence on site, it is the responsibility of the consultant archaeologist or other party responsible for this discovery to immediately notify DOCA.

Human remains that were interred at an archaeological site signify that cultural practice was carried out at that location. The practice imbues the location with intangible values that must be protected. Isolated elements, such as teeth or smaller bones or fragments of bone, may not be immediately associated with an archaeological feature, such as a grave shaft; however, this does not diminish the cultural importance of the remains, or signal that the burial and associated cultural practice were absent. A variety of post-depositional effects may lead to the erasure of the grave site, and loss of skeletal material and it is important that archaeological fieldwork includes investigating the original position of the remains. Where human remains are identified, but no grave location is evident, it is incumbent on the archaeologist to make a reasoned argument about why this may be the case. If post-depositional disturbance from, for example, ploughing and soil erosion caused the remains to be displaced, then this would be a consideration for the analysis of the entire site. If, on the other hand, there is a belief that the body originally lay on or near the ground surface, then this also has an influence on the analysis of the sites, and should be the focus of additional engagement and documentary research.

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It is important to note that scientific research on human remains, apart from the collection of the data necessary to satisfy the information requirements of the Coroner, must not be undertaken without the express consent of the representatives of the deceased. It is also important to note that the discovery of human remains on an archaeological site or development property signal the presence of intangible cultural heritage values which cannot be captured by standard archaeological techniques. Additional engagement on the analysis of the site, the conclusions reached and the final recommendations regarding the disposition of the site at the end of the archaeological assessment will require additional engagement with MCFN.

In addition to the directives provided herein, all applicable parties including the consultant archaeologist, the Registrar, and/or the proponent/landowner will be expected to follow MCFN's protocol for the discovery of human remains, which is available as a stand-alone document.

5.0 Glossary¹³

approval authority

In the land use and development context, this includes any public body (e.g., municipality, conservation authority, provincial agency, ministry) that has the authority to regulate and approve development projects that fall under its mandate and jurisdiction (e.g., *Planning Act*, *Environmental Assessment Act*, *Aggregate Resources Act*).

archaeological assessment

For the defined project area or property, a survey undertaken by a licensed archaeologist within those areas determined to have *archaeological potential* in order to identify archaeological sites, followed by evaluation of their *cultural heritage value or interest*, and determination of their characteristics. Based on this information, recommendations are made regarding the need for mitigation of impacts and the appropriate means for mitigating those impacts.

archaeological potential

The likelihood that a property contains archaeological resources.

archaeological resources

In the context of the Standards and Guidelines, objects, materials and physical features identified by licensed archaeologists during a Stage 2 archaeological assessment as possibly possessing *cultural heritage value or interest*.

archaeological site

Defined in Ontario regulation as "any property that contains an *artifact* or any other physical evidence of past human use or activity that is of cultural heritage value or interest".

artifact

Defined in Ontario regulation as "any object, material or substance that is made, modified, used, deposited or affected by human action and is of *cultural heritage value or interest*".

cultural feature

The physical remains of human alteration at a given location that cannot be removed intact and are not portable in the way that artifacts can be removed and are portable. Typically, a cultural feature must be documented in the field, although samples can be taken. Examples include post molds, pits, living floors, middens, earthworks, and various historic structural remains and ruins.

cultural heritage value or interest

For the purposes of the *Ontario Heritage Act* and its regulations, archaeological resources that possess cultural heritage value or interest are protected as archaeological sites under Section 48 of the act. Where

¹³ Definitions as found in: MHSTCI 2011. Standards and Guidelines for Consultant Archaeologists. Ministry of Heritage, Sport, Tourism and Culture Industries.

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analysis of documented artifacts and physical features at a given location meets the criteria stated in the Standards and Guidelines, that location is protected as an archaeological site and further archaeological assessment may be required.

community

For the purpose of these Standards and Guidelines, the use of "Aboriginal community" is used only in the context of citing such use by the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries in their Standards and Guidelines

diagnostic artifact

An artifact that indicates by its markings, design or material the time period it was made, the cultural group that made it, or other data that can identify its original context.

formal tool

Most often a stone artifact with a form or design that indicates the reason it was made, like a stone spearpoint or hide scraper. Contrasted with an informal tool, like a chert flake used for cutting.

lithic scatter

A loose or tight concentration of stone flakes and tools resulting from the manufacture and sometimes the use of one or more stone tools.

nation

Refers to the Mississaugas of the Credit First Nation.

project area

The lands to be impacted by the project, e.g.: the area of a development application under the *Planning Act*; the area to be licensed under the *Aggregate Resources Act*; the area subject to physical alteration as a result of the activities associated with the project. This may comprise one or several properties, and these properties may or may not be adjoining. However, all properties must be part of one project that is being undertaken by one proponent.

Project Information Form (PIF)

The form archaeological license-holders must submit to the Ministry of Heritage, Sport, Tourism and Culture Industries upon decided to carry out fieldwork.

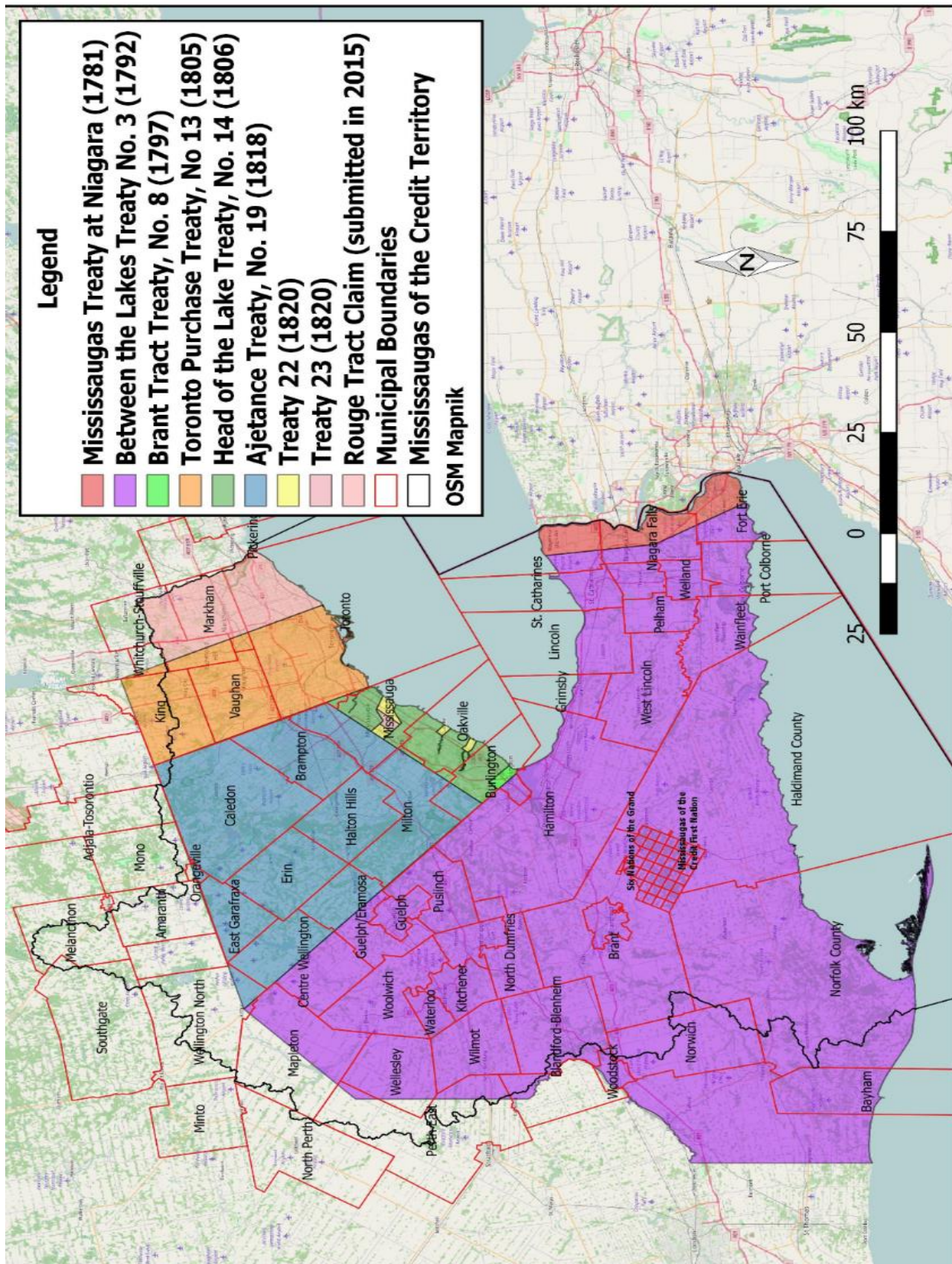
protection

Measures put in place to ensure that alterations to an archaeological site will be prevented over the long-term period following the completion of a development project.

traditional

The word "traditional" refers mainly to use of land, e.g. "traditional lifeways" while all references to MCFN's land are to be construed as the MCFN Treaty Lands".

6.0 Map of the Treaty Lands and Territory



Municipal Boundaries Related to the Between the Lakes Treaty, No. 3 (1792)



MCFN Standards and Guidelines for Archaeology

Front page artwork is from the MCFN Lloyd S. King Elementary School Art Mural.

Artists include:

Philip Cote – Principal Coordinating Artist

Rebecca Baird – Artist

Tracey Anthony – Artist

Rachele King – Student

Eric Laforme – Student

Jocelyn Hill – Student

Carolyn Cote – Artist

MCFN Standards and Guidelines for Archaeology



Mississaugas of the Credit First Nation

Department of Consultation & Accommodation

4065 Hwy 6

Hagersville, ON N0A 1H0

Tel: 905-768-4260

<http://mncfn.ca/doca-2/>

MCFN Looks To Our Anishinaabe Roots To Guide Our Vision For The Future As A Strong, Caring, Connected Community Who Respects The Earth's Gifts And Protects The Environment For Future Generations. MCFN Identity And Heritage Includes Our History, Language, Culture, Beliefs And Traditions.

Drost, Alden

From: Nathan Garland <ngarland@grandriver.ca>
Sent: June 6, 2017 4:37 PM
To: Piraino, Teresa
Cc: Drost, Alden
Subject: RE: Wellington County WR109&JonesBaseline and Gordonville Bridge Class EAs -- Info Request

Hello Tereasa,

Both of these have estimated floodlines, therefore there is no indication that Engineering has anything on file. A lot of our information is available at the Grand River Information Network – GRIN. Some of the information I have included below is from the MNRF data on our web information.

<https://data.grandriver.ca/downloads.html>

4 Mile Creek (Gordonville)

Aquatic Resource - Line (MNRF)

Thermal Regime = Warm

Fish Species Summary = common shiner, white sucker, eastern blacknose dace, creek chub, johnny darter/tesselated darter, smallmouth bass, central stoneroller, hornyhead chub, fantail darter, central mudminnow, bluntnose minnow, rock bass, rainbow darter

Ara Summary Object Id = 602226745

WR109 and Jones Baseline

- Tributary of Brandy Creek
- **Aquatic Resource - Line (MNRF)**
Thermal Regime = Warm
Fish Species Summary = smallmouth bass, johnny darter/tesselated darter
- Brandy Creek (just downstream of culvert)
Aquatic Resource - Line (MNRF)
Thermal Regime = Warm
Fish Species Summary = bluntnose minnow, fantail darter, river chub, emerald shiner, stonecat, johnny darter/tesselated darter, rock bass, bridle shiner, common shiner, rainbow darter, northern hog sucker, white sucker, smallmouth bass, creek chub, brassy minnow, striped bass, blackside darter

If you have any other questions let me know.

Regards,

Nathan Garland
Resource Planner
Grand River Conservation Authority

ngarland@grandriver.ca

Direct Line: 519.621.2763 x 2236

Office: 1.866.900.4722

Fax: 519.621.4945

From: Piraino, Teresa [mailto:PirainoT@mmm.ca]
Sent: May 31, 2017 10:10 AM
To: Nathan Garland

Cc: Drost, Alden

Subject: Wellington County WR109&JonesBaseline and Gordonville Bridge Class EAs -- Info Request

Hi Nathan,

WSP Canada Group Limited has been retained by Wellington County to complete the environmental component of the WR109 & Jones Baseline Class Environmental Assessment as well as the Gordonville Bridge Class Environmental Assessment. WSP is initiating consultation with the MNRF to formally request Species At Risk (SAR) and Natural Heritage Feature background information in the vicinity of the associated watercourse crossings for both projects. Please find our official request letters attached and let us know if require any further information.

Regards,

Teresa Piraino, B.A.

Ecologist - Wildlife

Ecology & Environment Impact Assessment (EIA)



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Drost, Alden

From: Iskandar, Sherif
Sent: November 18, 2022 10:41 AM
To: Matthew Churly
Cc: Drost, Alden; Mahmoudi, Nima; Smith, Jeff
Subject: FW: Wellington County- WR 109
Attachments: WR109 052.jpg; WR109 054.jpg; WR109 053.jpg; WR109 049.jpg

Hi Matthew,

Just a friendly reminder to confirm if the below and attached are stormwater management ponds or not

When I sent this e-mail, I got a response that my e-mail was not delivered to Nathan.

Thanks



Sherif Iskandar, M.Sc., P.Eng., PMP

Senior Project Manager, Water Resources

T+ 1 289-982-4188

From: Iskandar, Sherif
Sent: October 31, 2022 2:28 PM
To: 'Matthew Churly' <mchurly@grandriver.ca>; Nathan Garland <ngarland@grandriver.ca>
Cc: Drost, Alden <Alden.Drost@wsp.com>; Mahmoudi, Nima <Nima.Mahmoudi@wsp.com>; Smith, Jeff <Jeff.Smith@wsp.com>
Subject: Wellington County- WR 109

Hi Matthew and Nathan,

Can you please confirm if the below and attached are stormwater management ponds or not? To me, they seems to be SWM ponds but we just need confirmation.

They are located north east of County Road 109 and Hwy 6 Intersection, west of Conestogo River.

Much appreciated



Sherif Iskandar, M.Sc., P.Eng., PMP

Senior Project Manager, Water Resources

T+ 1 289-982-4188

From: Drost, Alden <Alden.Drost@wsp.com>
Sent: September 27, 2022 1:47 PM
To: Mahmoudi, Nima <Nima.Mahmoudi@wsp.com>; Iskandar, Sherif <Sherif.Iskandar@wsp.com>

Cc: Smith, Jeff <Jeff.Smith@wsp.com>; Shapero, David <David.Shapero@wsp.com>

Subject: RE: Wellington County- WR 109- 17M-01271-02

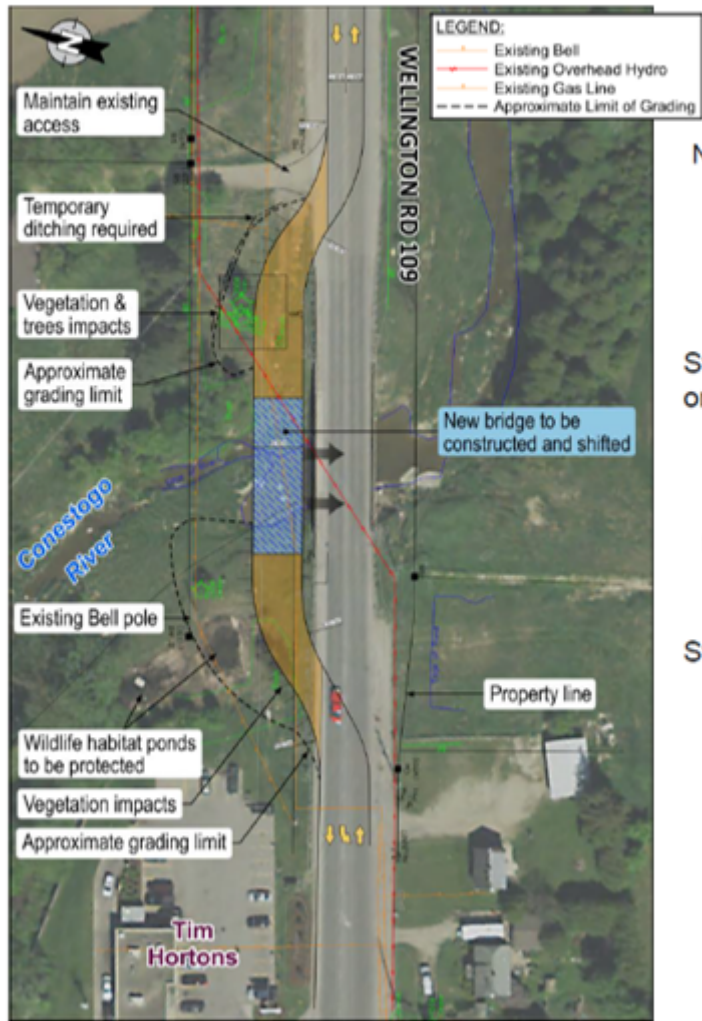
Hi Sherif and Nima,

I know we aren't totally sure yet if we are using the temp. bridge at B109132 (as per your email below) but I am wondering about those 'wildlife habitat ponds' (which are confirmed Snapping Turtle wintering areas) which are shown on the snip provided below (from the ESR). Is there any way to check/confirm if these are small storm water ponds used to treat the storm flow from Tim Hortons parking lot? My field notes indicate that there were small berms surrounding the ponds and I am attaching photos showing the corner of the parking lot (52 and 54) and the drop structure at the corner (53). Photo 49 shows the ponds from the road. It seems to me that they are storm ponds but I need that confirmed.

If we can confirm that they are storm ponds then would not qualify as 'Significant Wildlife Habitat' which would be good to know since we are likely impacting them if we use the temp. bridge... While we would still want try and avoid/protect these areas, it would lessen their significance.

6.6.1 B109132

B109132 - Lateral Slide



If you can let me know soon it would be appreciated.

Thanks,
Alden

Alden Drost

Project Manager / Senior Ecologist – Fisheries
Ecology & Environmental Impact Assessment (EIA)
T+ 1 519-904-1720

wsp **GOLDER**

Drost, Alden

From: Wedgewood, Jamie R. (MNRF) <Jamie.R.Wedgewood@ontario.ca>
Sent: July 25, 2017 2:34 PM
To: Piraino, Teresa
Subject: RE: Wellington County WR109 and Jones Baseline Class EA -- Information Request
Attachments: B000032.pdf; B109132.pdf; B109133.pdf; B109134.pdf; C109123.pdf; unnamed culvert.pdf; Wellington County.pdf

Hi Teresa,

Melinda is currently off on maternity leave and I will be acting in her place for the next few months. I've reviewed your information requests and attached a letter for each culvert in question. I've also attached a list of SAR known to be present in Wellington County. If you have any questions please feel free to contact me at the information below.

Kind Regards,

Jamie Rose Wedgewood

A/Management Biologist
Ministry of Natural Resources and Forestry
Guelph District
519.826.4936
jamie.r.wedgewood@ontario.ca

From: Piraino, Teresa [mailto:Teresa.Piraino@wsp.com]
Sent: July-11-17 11:52 AM
To: Thompson, Melinda (MNRF)
Cc: Drost, Alden
Subject: RE: Wellington County WR109 and Jones Baseline Class EA -- Information Request

Hi Melinda,

As requested, please find attached the official MNRF Guelph District Info Request Forms per each structure associated with the Wellington County WR109 and Jones Baseline Class EA. A key map showing the structure locations has also been attached for your reference. Please let us know if you require any further details to process our request.

Regards,

Teresa Piraino, B.A.
Ecologist - Wildlife
Ecology & Environment Impact Assessment (EIA)



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F+ 1 519-743-8778

582 Lancaster Street West
Kitchener, Ontario
N2K 1M3 Canada

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From: Thompson, Melinda (MNRF) [<mailto:Melinda.Thompson@ontario.ca>]
Sent: June-08-17 3:15 PM
To: Piraino, Teresa
Cc: Drost, Alden
Subject: RE: Wellington County WR109 and Jones Baseline Class EA -- Information Request

Hello,

Please fill out the attached form (one for each crossing) and we will be happy to respond to your request.

Melinda

MELINDA J. THOMPSON ✿ ✿ ✿ ✿ ✿ ✿ ✿ ✿ ✿
MANAGEMENT BIOLOGIST | ONTARIO MINISTRY of NATURAL RESOURCES and FORESTRY | GUELPH DISTRICT OFFICE
1 Stone Road West, Guelph, Ontario, N1G 4Y2 | ☎ 519.826.6543 | ✉ melinda.thompson@ontario.ca
[Learn more about Ontario's Species at Risk](#)

From: Piraino, Teresa [<mailto:PirainoT@mmm.ca>]
Sent: May 31, 2017 9:45 AM
To: Thompson, Melinda (MNRF)
Cc: Drost, Alden
Subject: Wellington County WR109 and Jones Baseline Class EA -- Information Request

Hi Melinda,

WSP Canada Group Limited has been retained by Wellington County to complete the environmental component of the WR109 and Jones Baseline Class Environmental Assessment. WSP is initiating consultation with the MNRF to formally request Species At Risk (SAR) and Natural Heritage Feature background information in the vicinity of the six watercourse crossings. Please find our official request letter attached and let us know if require any further information.

Regards,

Teresa Piraino, B.A.
Ecologist - Wildlife
Ecology & Environment Impact Assessment (EIA)



T+ 1 519-904-1800
F+ 1 519-743-8778

July 25, 2017

Teresa Piraino
Ecologist - Wildlife
WSP
582 Lancaster Street West |Kitchener, ON, N2K 1M3
t: 519-743-8778
Teresa.Piraino@wsp.com

Dear Teresa,

Thank you for your inquiry regarding the presence of species at risk and natural heritage features for B109132 -- Wellington County Road 109, between 1 Line and Hwy 6, Wellington County.

Digital mapping for some natural heritage features is available from Land Information Ontario (LIO). MNRF recommends contacting LIO to obtain relevant feature mapping. Datasets of potential interest (and the corresponding LIO dataset) include – wetlands ('Wetland Unit' dataset), ANSI ('ANSI dataset'), wooded areas ('Wooded Areas'), wintering areas ('Wintering Areas'), and fish spawning areas ('Spawning Areas').

The Ministry of Natural Resources and Forestry (MNRF) has had an opportunity to review the natural heritage records and information available at the Guelph District Office, for the above noted file. Please see below for the following information and comments to address your questions noted in the email correspondence.

Wetlands

The Ministry notes that no Wetland Complexes are currently identified within or directly adjacent to the identified land.

Digital mapping of wetlands can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'Wetlands' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

ANSI

The Ministry notes that no ANSI's are currently identified within or directly adjacent to the identified land.

Digital mapping of Areas of Natural and Scientific Interest can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'ANSI' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

Fish Dots

The Ministry has records of the following species within this watercourse:
Blackside Darter
Bluntnose Minnow

Brassy Minnow
Bridle Shiner
Common Shiner
Creek Chub
Emerald Shiner
Fantail Darter
Johnny Darter
Northern Hog Sucker
Rainbow Darter
River Chub
Rock Bass
Smallmouth Bass
Stonecat
Striped Bass
White Sucker

Thermal Regime

Based on the fish species present the ARA thermal regime for this section of Brandy Creek has been classified as warm water.

Timing Windows

In water works are prohibited inclusive of April 1 to June 30.

Species at Risk

The Ministry notes that there are species at risk records for this area:

Barn Swallow (THR)

If there are box culverts present, the Ministry advises checking each to ensure that there are no barn swallows present. If you find barn swallows you may be eligible for registration. You can find more information here: <https://www.ontario.ca/page/alter-structure-habitat-barn-swallow>. Please be advised however that because the province has not been surveyed comprehensively the absence of a record is not an appropriate indicator for the absence of a species or habitat from an area.

Please note that because the province has not been surveyed comprehensively for the presence of species at risk (SAR), the absence in the NHIC database of an EO in a particular geographic area does not indicate the absence of the species in that area. Consequently, the presence of an EO is useful to flag the presence of the species in the area, but is not an appropriate tool to determine whether a species is absent, or whether it should be surveyed for or not in a particular area.

Consequently, we provide the following advice with respect to determining the presence of species at risk on a property for which a land-use change or on-the-ground activity is being proposed (note that some of the following may not apply to a given type of proposed activity, or for a given study area):

I. Habitat Inventory

The District recommends undertaking a comprehensive botanical inventory of the entire area that may be subject to direct and indirect impacts from the proposed activity. The vegetation communities and aquatic habitats in the study area should be classified as per the "Ecological Land Classification (ELC) for Southern Ontario" system, to either the "Ecosite" or "Vegetation Type" level. With respect to aquatic habitats in the study area, we recommend you collect data on the physical characteristics of the waterbodies and inventory the riparian zone vegetation, so that these habitats can be classified as per the Aquatic Ecosites described in the ELC manual.

II. Potential SAR on the property

A list of species at risk that have the potential to occur in the area can be produced by cross- referencing the ecosites described during the habitat inventory with the habitat descriptions of species at risk known to occur in the county or regional municipality within which the area is located. The species-specific COSEWIC status reports

(www.cosewic.gc.ca) are a good source of information on species at risk habitat needs and will be helpful in determining the suitability of the property's ecosites for a given species.

Please note that the Species at Risk in Ontario list (SARO) is a living document and is amended periodically as a result of species assessment and re-assessments conducted by the Committee on the Status of Species at Risk in Ontario (COSSARO). The SARO list can be accessed on the webpage <http://www.ontario.ca/environment-and-energy/species-risk-ontario-list>

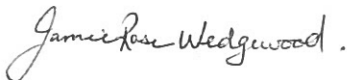
COSSARO also maintains a list of species to be assessed in the future. It is recommended to take COSSARO's list of anticipated assessments into consideration, especially when the proposed start date of the activity is more than 6 months away, or the project will be undertaken over a period greater than 6 months. The list can be viewed by going to <http://www.ontario.ca/page/how-comment-protecting-species-risk>.

III. SAR surveys

The District is of the opinion that each species at risk identified under Step II should be surveyed for, regardless of whether or not the species has been previously recorded in the area, or whether previous records are historical in nature. The survey report should describe how each species at risk was surveyed for, and provide a rationale for why, if any, certain species appearing on the county/ regional municipal list were not the subject of the survey. These rationales must be based on evidence demonstrating either that: suitable habitat for the species is not present on the property or; the project will not have any impacts -including indirect impacts- on the species. Some SAR surveys require an authorization under the *Endangered Species Act 2007* and/or a Scientific Collector's Permit; please contact the Guelph District office if you require further direction regarding these.

Guelph District additionally recommends contacting the municipal planning approval authority and the conservation authority to determine if they have any additional information or records of interest for the study area. Please contact our office if your investigations reveal the presence of species at risk on the subject property. MNRF will be happy to provide further advice regarding the provisions of the *Endangered Species Act* at that time.

Sincerely,



Jamie Rose Wedgewood

A/ Integrated Resource Management Technical Specialist
ONTARIO MINISTRY of NATURAL RESOURCES and FORESTRY
jamie.r.wedgewood@ontario.ca

July 25, 2017

Teresa Piraino
Ecologist - Wildlife
WSP
582 Lancaster Street West |Kitchener, ON, N2K 1M3
t: 519-743-8778
Teresa.Piraino@wsp.com

Dear Teresa,

Thank you for your inquiry regarding the presence of species at risk and natural heritage features for C109123 -- Wellington County Road 109, between 1 Line and Hwy 6, Wellington County.

Digital mapping for some natural heritage features is available from Land Information Ontario (LIO). MNRF recommends contacting LIO to obtain relevant feature mapping. Datasets of potential interest (and the corresponding LIO dataset) include – wetlands ('Wetland Unit' dataset), ANSI ('ANSI dataset'), wooded areas ('Wooded Areas'), wintering areas ('Wintering Areas'), and fish spawning areas ('Spawning Areas').

The Ministry of Natural Resources and Forestry (MNRF) has had an opportunity to review the natural heritage records and information available at the Guelph District Office, for the above noted file. Please see below for the following information and comments to address your questions noted in the email correspondence.

Wetlands

The Ministry notes that no Wetland Complexes are currently identified within or directly adjacent to the identified land.

Digital mapping of wetlands can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'Wetlands' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

ANSI

The Ministry notes that no ANSI's are currently identified within or directly adjacent to the identified land.

Digital mapping of Areas of Natural and Scientific Interest can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'ANSI' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

Fish Dots

The Ministry has records of the following species within this watercourse:
Brook Stickleback
Central Stoneroller

Common Shiner
Creek Chub
Northern Redbelly Dace
White Sucker
Smallmouth Bass

Thermal Regime

Based on the fish species present the ARA thermal regime for this section of Brandy Creek has been classified as warm water.

Timing Windows

In water works are prohibited inclusive of April 1 to June 30.

Species at Risk

The Ministry notes that there are species at risk records for this area:

Barn Swallow (THR)

If there are box culverts present, the Ministry advises checking each to ensure that there are no barn swallows present. If you find barn swallows you may be eligible for registration. You can find more information here: <https://www.ontario.ca/page/alter-structure-habitat-barn-swallow>. Please be advised however that because the province has not been surveyed comprehensively the absence of a record is not an appropriate indicator for the absence of a species or habitat from an area.

Please note that because the province has not been surveyed comprehensively for the presence of species at risk (SAR), the absence in the NHIC database of an EO in a particular geographic area does not indicate the absence of the species in that area. Consequently, the presence of an EO is useful to flag the presence of the species in the area, but is not an appropriate tool to determine whether a species is absent, or whether it should be surveyed for or not in a particular area.

Consequently, we provide the following advice with respect to determining the presence of species at risk on a property for which a land-use change or on-the-ground activity is being proposed (note that some of the following may not apply to a given type of proposed activity, or for a given study area):

I. Habitat Inventory

The District recommends undertaking a comprehensive botanical inventory of the entire area that may be subject to direct and indirect impacts from the proposed activity. The vegetation communities and aquatic habitats in the study area should be classified as per the "Ecological Land Classification (ELC) for Southern Ontario" system, to either the "Ecosite" or "Vegetation Type" level. With respect to aquatic habitats in the study area, we recommend you collect data on the physical characteristics of the waterbodies and inventory the riparian zone vegetation, so that these habitats can be classified as per the Aquatic Ecosites described in the ELC manual.

II. Potential SAR on the property

A list of species at risk that have the potential to occur in the area can be produced by cross-referencing the ecosites described during the habitat inventory with the habitat descriptions of species at risk known to occur in the county or regional municipality within which the area is located. The species-specific COSEWIC status reports (www.cosewic.gc.ca) are a good source of information on species at risk habitat needs and will be helpful in determining the suitability of the property's ecosites for a given species.

Please note that the Species at Risk in Ontario list (SARO) is a living document and is amended periodically as a result of species assessment and re-assessments conducted by the Committee on the Status of Species at Risk in Ontario (COSSARO). The SARO list can be accessed on the webpage <http://www.ontario.ca/environment-and-energy/species-risk-ontario-list>

COSSARO also maintains a list of species to be assessed in the future. It is recommended to take COSSARO's list of anticipated assessments into consideration, especially when the proposed start date of the activity is more than

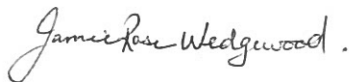
6 months away, or the project will be undertaken over a period greater than 6 months. The list can be viewed by going to <http://www.ontario.ca/page/how-comment-protecting-species-risk>.

III. SAR surveys

The District is of the opinion that each species at risk identified under Step II should be surveyed for, regardless of whether or not the species has been previously recorded in the area, or whether previous records are historical in nature. The survey report should describe how each species at risk was surveyed for, and provide a rationale for why, if any, certain species appearing on the county/ regional municipal list were not the subject of the survey. These rationales must be based on evidence demonstrating either that: suitable habitat for the species is not present on the property or; the project will not have any impacts -including indirect impacts- on the species. Some SAR surveys require an authorization under the *Endangered Species Act 2007* and/or a Scientific Collector's Permit; please contact the Guelph District office if you require further direction regarding these.

Guelph District additionally recommends contacting the municipal planning approval authority and the conservation authority to determine if they have any additional information or records of interest for the study area. Please contact our office if your investigations reveal the presence of species at risk on the subject property. MNRF will be happy to provide further advice regarding the provisions of the *Endangered Species Act* at that time.

Sincerely,



Jamie Rose Wedgewood

A/ Integrated Resource Management Technical Specialist
ONTARIO MINISTRY of NATURAL RESOURCES and FORESTRY
jamie.r.wedgewood@ontario.ca

July 25, 2017

Teresa Piraino
Ecologist - Wildlife
WSP
582 Lancaster Street West |Kitchener, ON, N2K 1M3
t: 519-743-8778
Teresa.Piraino@wsp.com

Dear Teresa,

Thank you for your inquiry regarding the presence of species at risk and natural heritage features for B109133 -- Wellington County Road 109, between 1 Line and 2 Line, Wellington County.

Digital mapping for some natural heritage features is available from Land Information Ontario (LIO). MNRF recommends contacting LIO to obtain relevant feature mapping. Datasets of potential interest (and the corresponding LIO dataset) include – wetlands ('Wetland Unit' dataset), ANSI ('ANSI dataset'), wooded areas ('Wooded Areas'), wintering areas ('Wintering Areas'), and fish spawning areas ('Spawning Areas').

The Ministry of Natural Resources and Forestry (MNRF) has had an opportunity to review the natural heritage records and information available at the Guelph District Office, for the above noted file. Please see below for the following information and comments to address your questions noted in the email correspondence.

Wetlands

The Ministry notes that no Wetland Complexes are currently identified within or directly adjacent to the identified land.

Digital mapping of wetlands can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'Wetlands' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

ANSI

The Ministry notes that no ANSI's are currently identified within or directly adjacent to the identified land.

Digital mapping of Areas of Natural and Scientific Interest can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'ANSI' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

Fish Dots

The Ministry has records of the following species within this watercourse:
Brook Stickleback
Central Stoneroller

Common Shiner
Creek Chub
Northern Redbelly Dace
White Sucker
Pumpkinseed
Central Mudminnow
Fathead Minnow
Bluntnose Minnow
Rock Bass
Northern Pike

Thermal Regime

Based on the fish species present the ARA thermal regime for this section of Brandy Creek has been classified as warm water.

Timing Windows

In water works are prohibited inclusive of March 15 and June 30.

Species at Risk

The Ministry notes that there are species at risk records for this area:

Barn Swallow (THR)

If there are box culverts present, the Ministry advises checking each to ensure that there are no barn swallows present. If you find barn swallows you may be eligible for registration. You can find more information here: <https://www.ontario.ca/page/alter-structure-habitat-barn-swallow>. Please be advised however that because the province has not been surveyed comprehensively the absence of a record is not an appropriate indicator for the absence of a species or habitat from an area.

Please note that because the province has not been surveyed comprehensively for the presence of species at risk (SAR), the absence in the NHIC database of an EO in a particular geographic area does not indicate the absence of the species in that area. Consequently, the presence of an EO is useful to flag the presence of the species in the area, but is not an appropriate tool to determine whether a species is absent, or whether it should be surveyed for or not in a particular area.

Consequently, we provide the following advice with respect to determining the presence of species at risk on a property for which a land-use change or on-the-ground activity is being proposed (note that some of the following may not apply to a given type of proposed activity, or for a given study area):

I. Habitat Inventory

The District recommends undertaking a comprehensive botanical inventory of the entire area that may be subject to direct and indirect impacts from the proposed activity. The vegetation communities and aquatic habitats in the study area should be classified as per the “Ecological Land Classification (ELC) for Southern Ontario” system, to either the “Ecosite” or “Vegetation Type” level. With respect to aquatic habitats in the study area, we recommend you collect data on the physical characteristics of the waterbodies and inventory the riparian zone vegetation, so that these habitats can be classified as per the Aquatic Ecosites described in the ELC manual.

II. Potential SAR on the property

A list of species at risk that have the potential to occur in the area can be produced by cross- referencing the ecosites described during the habitat inventory with the habitat descriptions of species at risk known to occur in the county or regional municipality within which the area is located. The species-specific COSEWIC status reports (www.cosewic.gc.ca) are a good source of information on species at risk habitat needs and will be helpful in determining the suitability of the property's ecosites for a given species.

Please note that the Species at Risk in Ontario list (SARO) is a living document and is amended periodically as a result of species assessment and re-assessments conducted by the Committee on the Status of Species at Risk in Ontario (COSSARO). The SARO list can be accessed on the webpage <http://www.ontario.ca/environment-and-energy/species-risk-ontario-list>

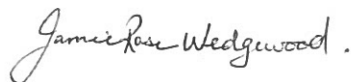
COSSARO also maintains a list of species to be assessed in the future. It is recommended to take COSSARO's list of anticipated assessments into consideration, especially when the proposed start date of the activity is more than 6 months away, or the project will be undertaken over a period greater than 6 months. The list can be viewed by going to <http://www.ontario.ca/page/how-comment-protecting-species-risk>.

III. SAR surveys

The District is of the opinion that each species at risk identified under Step II should be surveyed for, regardless of whether or not the species has been previously recorded in the area, or whether previous records are historical in nature. The survey report should describe how each species at risk was surveyed for, and provide a rationale for why, if any, certain species appearing on the county/ regional municipal list were not the subject of the survey. These rationales must be based on evidence demonstrating either that: suitable habitat for the species is not present on the property or; the project will not have any impacts -including indirect impacts- on the species. Some SAR surveys require an authorization under the *Endangered Species Act 2007* and/or a Scientific Collector's Permit; please contact the Guelph District office if you require further direction regarding these.

Guelph District additionally recommends contacting the municipal planning approval authority and the conservation authority to determine if they have any additional information or records of interest for the study area. Please contact our office if your investigations reveal the presence of species at risk on the subject property. MNR will be happy to provide further advice regarding the provisions of the *Endangered Species Act* at that time.

Sincerely,



Jamie Rose Wedgewood

A/ Integrated Resource Management Technical Specialist
ONTARIO MINISTRY of NATURAL RESOURCES and FORESTRY
jamie.r.wedgewood@ontario.ca

July 25, 2017

Teresa Piraino
Ecologist - Wildlife
WSP
582 Lancaster Street West |Kitchener, ON, N2K 1M3
t: 519-743-8778
Teresa.Piraino@wsp.com

Dear Teresa,

Thank you for your inquiry regarding the presence of species at risk and natural heritage features for B109134 -- Wellington County Road 109, east of 2nd Line, Wellington County.

Digital mapping for some natural heritage features is available from Land Information Ontario (LIO). MNRF recommends contacting LIO to obtain relevant feature mapping. Datasets of potential interest (and the corresponding LIO dataset) include – wetlands ('Wetland Unit' dataset), ANSI ('ANSI dataset'), wooded areas ('Wooded Areas'), wintering areas ('Wintering Areas'), and fish spawning areas ('Spawning Areas').

The Ministry of Natural Resources and Forestry (MNRF) has had an opportunity to review the natural heritage records and information available at the Guelph District Office, for the above noted file. Please see below for the following information and comments to address your questions noted in the email correspondence.

Wetlands

The Ministry notes that no Wetland Complexes are currently identified within or directly adjacent to the identified land.

Digital mapping of wetlands can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'Wetlands' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

ANSI

The Ministry notes that no ANSI's are currently identified within or directly adjacent to the identified land.

Digital mapping of Areas of Natural and Scientific Interest can be obtained from Land Information Ontario (LIO). The Warehouse Dataset Name is 'ANSI' within LIO. LIO manages key provincial datasets, and is responsible for housing most of the Ministry's digital natural heritage and resource data. The LIO Warehouse also includes spatial data from a variety of other sources and agencies, including federal ministries and conservation authorities. The LIO website provides instructions on how to request/obtain data, and a full listing of all data in the Warehouse. The link to the LIO website is as follows: <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. LIO staff can also be contacted at lio@ontario.ca or at (705) 755-1878 for assistance.

Fish Dots

The Ministry has records of the following species within this watercourse:
Brook Stickleback
Central Stoneroller

Common Shiner
Creek Chub
Northern Redbelly Dace
White Sucker
Northern Pike

Thermal Regime

Based on the fish species present the ARA thermal regime for this section of the unnamed watercourse has been classified as warm water.

Timing Windows

In water works are prohibited inclusive of March 15 and June 30.

Species at Risk

The Ministry notes that there are species at risk records for this area:

Barn Swallow (THR)
Eastern Meadowlark (THR)
Bobolink (THR)

If there are box culverts present, the Ministry advises checking each to ensure that there are no barn swallows present. If you find barn swallows you may be eligible for registration. You can find more information here: <https://www.ontario.ca/page/alter-structure-habitat-barn-swallow>. Please be advised however that because the province has not been surveyed comprehensively the absence of a record is not an appropriate indicator for the absence of a species or habitat from an area.

Please note that because the province has not been surveyed comprehensively for the presence of species at risk (SAR), the absence in the NHIC database of an EO in a particular geographic area does not indicate the absence of the species in that area. Consequently, the presence of an EO is useful to flag the presence of the species in the area, but is not an appropriate tool to determine whether a species is absent, or whether it should be surveyed for or not in a particular area.

Consequently, we provide the following advice with respect to determining the presence of species at risk on a property for which a land-use change or on-the-ground activity is being proposed (note that some of the following may not apply to a given type of proposed activity, or for a given study area):

I. Habitat Inventory

The District recommends undertaking a comprehensive botanical inventory of the entire area that may be subject to direct and indirect impacts from the proposed activity. The vegetation communities and aquatic habitats in the study area should be classified as per the "Ecological Land Classification (ELC) for Southern Ontario" system, to either the "Ecosite" or "Vegetation Type" level. With respect to aquatic habitats in the study area, we recommend you collect data on the physical characteristics of the waterbodies and inventory the riparian zone vegetation, so that these habitats can be classified as per the Aquatic Ecosites described in the ELC manual.

II. Potential SAR on the property

A list of species at risk that have the potential to occur in the area can be produced by cross- referencing the ecosites described during the habitat inventory with the habitat descriptions of species at risk known to occur in the county or regional municipality within which the area is located. The species-specific COSEWIC status reports (www.cosewic.gc.ca) are a good source of information on species at risk habitat needs and will be helpful in determining the suitability of the property's ecosites for a given species.

Please note that the Species at Risk in Ontario list (SARO) is a living document and is amended periodically as a result of species assessment and re-assessments conducted by the Committee on the Status of Species at Risk in Ontario (COSSARO). The SARO list can be accessed on the webpage <http://www.ontario.ca/environment-and-energy/species-risk-ontario-list>

COSSARO also maintains a list of species to be assessed in the future. It is recommended to take COSSARO's list of anticipated assessments into consideration, especially when the proposed start date of the activity is more than

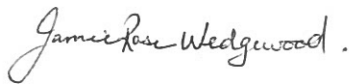
6 months away, or the project will be undertaken over a period greater than 6 months. The list can be viewed by going to <http://www.ontario.ca/page/how-comment-protecting-species-risk>.

III. SAR surveys

The District is of the opinion that each species at risk identified under Step II should be surveyed for, regardless of whether or not the species has been previously recorded in the area, or whether previous records are historical in nature. The survey report should describe how each species at risk was surveyed for, and provide a rationale for why, if any, certain species appearing on the county/ regional municipal list were not the subject of the survey. These rationales must be based on evidence demonstrating either that: suitable habitat for the species is not present on the property or; the project will not have any impacts -including indirect impacts- on the species. Some SAR surveys require an authorization under the *Endangered Species Act 2007* and/or a Scientific Collector's Permit; please contact the Guelph District office if you require further direction regarding these.

Guelph District additionally recommends contacting the municipal planning approval authority and the conservation authority to determine if they have any additional information or records of interest for the study area. Please contact our office if your investigations reveal the presence of species at risk on the subject property. MNRF will be happy to provide further advice regarding the provisions of the *Endangered Species Act* at that time.

Sincerely,

A handwritten signature in cursive script that reads "Jamie Rose Wedgewood".

Jamie Rose Wedgewood

A/ Integrated Resource Management Technical Specialist
ONTARIO MINISTRY of NATURAL RESOURCES and FORESTRY
jamie.r.wedgewood@ontario.ca

Drost, Alden

From: Denyes, David (MNRF) <David.Deny@ontario.ca>
Sent: September 12, 2022 10:10 AM
To: Drost, Alden
Subject: RE: Wellington County WR109 and Jones Baseline Class EA -- Information Request

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Alden,

I've searched through our electronic fisheries records, but haven't been able to locate any detailed information for the Bridle Shiner (*Notropis bifrenatus*) or Stripped Bass observations so far. Both records were uploaded to Land Information Ontario (LIO) in January , 2001 but appear to have no further details provided with their entry.

I've consulted with the Grand River Fisheries Management Plan (1998) and note that neither species were listed as confirmed, probable or possible fish species known in the Grand River at that time. It also appears that this location (Brandy Creek) is outside of the known distribution range for Bridle Shiner. The 2013 COSSARO Assessment Report lists the known range of Bridle Shiner in the province as the eastern Lake Ontario drainage and the St. Lawrence River.

http://cossaroagency.ca/wp-content/uploads/2017/06/Final-COSSARO-Evaluation-Bridle-Shiner_GFM_processed-FINAL-s.pdf

Without being able to locate the actual detailed records of either observation, I can't confirm the accuracy of these sightings. However, they do appear to be outside of the known distribution ranges.

The Ministry of Environment, Conservation and Parks (MECP) has now assumed responsibility for the Endangered Species Act (ESA), including species at risk (SAR) in Ontario. I would suggest contacting MECP staff directly at the following email address – SAROntario@ontario.ca to see if they can assist you with your inquiry about the updated SAR list.

If you have any further questions, please don't hesitate to contact me.

Regards,

David

David Denyes
Management Biologist
Ministry of Natural Resources and Forestry
Vineland Field Office
4890 Victoria Avenue North
Vineland Station ON, L0R 2E0
Tel: (289) 241-6872
david.deny@ontario.ca

From: Drost, Alden <Alden.Drost@wsp.com>

Sent: August 22, 2022 3:09 PM

To: Wedgewood, Jamie R. (MNRF) <Jamie.R.Wedgewood@ontario.ca>; Ungar, Darren (MNRF) <Darren.Ungar@ontario.ca>

Subject: RE: Wellington County WR109 and Jones Baseline Class EA -- Information Request

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Jamie and / or Darren,

Back in 20217 you (Jamie) provided the background information for four bridges that cross Brandy Creek along Wellington Road 109, just east of Arthur ON (see attached figure). I've attached the original letter that you sent for one of the bridges (B109132) which has couple fish species found in Brandy Creek on your list that I was hoping you could provide a little more information on. The first is Bridle Shiner (*Hybognathus hankinsoni*) which is a Special Concern Species. Can you please let me know the approximated location that this species was found in Brandy Creek and the year? The second species is Striped Bass. This species seems to be an odd species to be found in this watercourse. Is this species an error on your list?

Also, at the time you sent along a SAR list for Wellington County (see attached) and I was hoping that you could provide me with an updated list?

Its taken awhile but we are now wrapping up the EA for the replacement of these bridge structures and I would greatly appreciate any information that you can provide me regarding the above questions.

Thank you,
Alden

Alden Drost
Project Manager / Senior Ecologist – Fisheries
Ecology & Environmental Impact Assessment (EIA)
T+ 1 519-904-1720



From: Wedgewood, Jamie R. (MNRF) <Jamie.R.Wedgewood@ontario.ca>

Sent: July 25, 2017 2:34 PM

To: Piraino, Teresa <Teresa.Piraino@wsp.com>

Subject: RE: Wellington County WR109 and Jones Baseline Class EA -- Information Request

Hi Teresa,

Melinda is currently off on maternity leave and I will be acting in her place for the next few months. I've reviewed your information requests and attached a letter for each culvert in question. I've also attached a list of SAR known to be present in Wellington County. If you have any questions please feel free to contact me at the information below.

Kind Regards,

Jamie Rose Wedgewood

A/Management Biologist
Ministry of Natural Resources and Forestry

Drost, Alden

From: Species at Risk (MECP) <SAROntario@ontario.ca>
Sent: January 12, 2021 9:17 AM
To: Drost, Alden
Subject: RE: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

Hi Alden,

I have reviewed these points for you,

- B109132 – 17T 537897 E, 4852903 N
- C109123 – 17T 538351 E, 4853033 N
- B109133 – 17T 539377 E, 4853342 N
- B109134 – 17T 540434 E, 4853659 N

The only SAR species that I found present here are bobolink, eastern meadowlark and barn swallow. There has been no change since the MNRF responded to you in 2017.

Lisa

Lisa McShane

Management Biologist | Permissions and Compliance Section, Species at Risk Branch | Land and Water Division |
Ministry of the Environment, Conservation and Parks | (226) 668-0527

From: Drost, Alden <Alden.Drost@wsp.com>
Sent: Wednesday, September 23, 2020 12:23 PM
To: Species at Risk (MECP) <SAROntario@ontario.ca>
Subject: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

To whom it may concern,

WSP Canada Group Limited has been retained by the County of Wellington to complete a Schedule C Class Environmental Assessment (EA) along Wellington Road 109 near the Town of Arthur ON. The EA will take into consideration the replacement and/or rehabilitation of the four existing bridge and culvert crossings (**B109132, C109123, B109133 and B109134**) that convey the flow of the Conestogo River (as seen on the attached 'Natural Features Fish Species' figure pdf), or the construction of a new alignment to the north (see same figure – rough red line) or to the south (see other 'Key Plan' figure pdf). Please note the alignment to the north will likely be screened out earlier in the process due to its location.

WSP previously contacted MNRF in 2017 (see attached MNRF Info Request pdf) for available natural heritage and SAR information with the regard to the four crossings noted above (as well as some additional crossings along Jones Baseline – please disregard). I have attached the MNRF reply from Jamie Rose Wedgewood that was sent to us, which includes reply letters for each of the four crossing structures noted above.

We are now asking that MECP review the 2017 letters from MNRF so that you are aware of the SAR information that was previously sent to us for this work. Please let us know if the SAR information that was previously sent is sufficient for this work and please also provide us with any other updated SAR information/records and/or areas of importance in the vicinity of the proposed north and south alignments.

Please let me know if you require any further details to complete this request.

Thank you,
Alden

Alden Drost
Project Manager / Senior Ecologist – Fisheries
Ecology & Environmental Impact Assessment (EIA)



T+ 1 519-904-1720

582 Lancaster Street West
Kitchener, Ontario
N2K 1M3 Canada

wsp.com

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From: Drost, Alden
Sent: September 22, 2020 11:58 AM
To: Species at Risk (MECP <SAROntario@ontario.ca>
Subject: Background Natural Heritage Information Request for Five Bridges in Wellington County

To whom it may concern,

WSP Canada Group Limited has been retained by the County of Wellington to complete the environmental component for five bridge/culvert replacements and/or rehabilitations. WSP is contacting MECP to formally request if any Natural Heritage Feature background information (mainly SAR) is available in the vicinity of the structures. Please find attached five formal Information Request Letters (one for each structure). Note that we will also be contacting the MNRF and GRCA for information.

Please let me know if you require any further details to complete this request.

Thank you,
Alden

Alden Drost
Project Manager / Senior Ecologist – Fisheries
Ecology & Environmental Impact Assessment (EIA)



T+ 1 519-904-1720

582 Lancaster Street West
Kitchener, Ontario
N2K 1M3 Canada

wsp.com

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Drost, Alden

From: Species at Risk (MECP) <SAROntario@ontario.ca>
Sent: September 30, 2022 9:29 AM
To: Drost, Alden
Subject: RE: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Important

Hi Alden,

I have looked at the NHIC data and the SCP fish dot data and I do not see any records of Bridle Shiner at or near the B109132 location.

Lisa

Lisa McShane she/her

Management Biologist – Species at Risk | Landscape Species Recovery Section, Species at Risk Branch | Ministry of Environment, Conservation and Parks | lisa.mcshane@ontario.ca | (226) 668-0527



I pledge to be anti-racist, to have the
courage to speak up and treat everyone
with respect and honour

From: Drost, Alden <Alden.Drost@wsp.com>
Sent: Monday, September 12, 2022 10:38 AM
To: McShane, Lisa (MECP) <lisa.mcshane@ontario.ca>
Subject: FW: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Lisa,

Further to my request below I just received the attached response from MNRF regarding the presence for Bridle Shiner (and Striped Bass) in Brandy Creek and it seems that these species do not occur in Brandy Creek (the creek is outside of their range). Can you please let us know if you have any further information on these species in Brandy Creek and / or that you concur with MNRF's findings?

Thank you,
Alden

Alden Drost
Project Manager / Senior Ecologist – Fisheries
Ecology & Environmental Impact Assessment (EIA)
T+ 1 519-904-1720

wsp GOLDER

From: Drost, Alden
Sent: August 22, 2022 4:42 PM
To: 'lisa.mcshane@ontario.ca' <lisa.mcshane@ontario.ca>
Subject: RE: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

Hi Lisa,

Please see the attached email that I recently sent MNRF regarding a fish species list they sent me back in 2017 at Bridge B109132 (and see your email below). I was asking them about Bridle Shiner (*Hybognathus hankinsoni*) which is a Special Concern Species that they show on the list as existing in Brandy Creek. Can you please also check your records to see where approximately Bridle Shiner is found in Brandy Creek and what year? The location map of Bridge B109132 is shown on the attached email and at the UTM coordinates highlighted below. This species doesn't show up on DFO SAR mapping so I'd just like to confirm the record.

Thank you,
Alden

Alden Drost
Project Manager / Senior Ecologist – Fisheries
Ecology & Environmental Impact Assessment (EIA)
T+ 1 519-904-1720



From: Species at Risk (MECP) <SAROntario@ontario.ca>
Sent: January 12, 2021 9:17 AM
To: Drost, Alden <Alden.Drost@wsp.com>
Subject: RE: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

Hi Alden,

I have reviewed these points for you,

- B109132 – 17T 537897 E, 4852903 N
- C109123 – 17T 538351 E, 4853033 N
- B109133 – 17T 539377 E, 4853342 N
- B109134 – 17T 540434 E, 4853659 N

The only SAR species that I found present here are bobolink, eastern meadowlark and barn swallow.

There has been no change since the MNRF responded to you in 2017.

Lisa

Lisa McShane

Management Biologist | Permissions and Compliance Section, Species at Risk Branch | Land and Water Division |
Ministry of the Environment, Conservation and Parks | (226) 668-0527

From: Drost, Alden <Alden.Drost@wsp.com>
Sent: Wednesday, September 23, 2020 12:23 PM
To: Species at Risk (MECP) <SAROntario@ontario.ca>
Subject: Background Natural Heritage Information Request for Schedule C EA along Wellington Road 109

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

To whom it may concern,

Wellington Road 109 - PIC #1 Survey Results

Start Date	Is there any other critical information that the Project Team should be made aware of, or consider as part of this study?	Q4. The alternative planning solutions being considered in this study are identified on Slide 31. Are there any other options that should be considered at this	If yes, please explain.	Q5. The assessment and evaluation of planning solutions is presented on Slides 38 to 44. Is there anything else that should be factored into the assessment and evaluation	Q6. As identified through the evaluation process and summarized on Slide 44, the Project Team is recommending that all four structures be replaced.	If not, please explain.	Q7. Do you have any specific concerns about the recommendation to replace all of the structures?	If yes, please specify which structure and reasons.	Q8. Slides 46 & 47 outline some of the key considerations that will go into the next phase of the Class EA study when we develop the design options for each bridge. Are there any other	Q9. Is there anything the Project Team can do to improve upon how the study materials are presented or shared for the next PIC tentatively planned for Spring 2021?	Q10. Please share any other questions or comments you may have:
2020-12-17 12:41											How do you plan on getting traffic through while the bridges are being repaired? We are at 8051 on 109 and the second bridge from the intersection of Highway 6 and 109 borders our property. The traffic is heavy and I'm concerned we won't be able to drive into Arthur with-out having to wait to just get out of our driveway.
2020-12-18 18:16	The intersection of 109 and Hwy #6 is a disaster. During peak summer travel periods the traffic is backed up miles in all directions. Perhaps a bigger picture look is required. Why does the relocation option stop at this intersection?	Yes	How about a by-pass of both 109 and Hwy 6 around Arthur for through traffic? Hwy 6 should be re-routed to the west and the connection to 109 moved further west. Traffic at the existing crossing and in town during peak travel periods is a mess.	The west end of the relocation should be further west. The existing Hwy 6 and 109 intersection is way too congested.	No	Does nothing for the existing traffic problems. A bigger picture should be considered here. Environmentally the solution to not replace all of these bridges is better.	Yes	The traffic mess during the peak summer travel period.	The study should include the issues with the existing hwy 6 and 109 intersection and the volume of Hwy 6 traffic through town.	The study material is well presented and the method of presentation is preferred over a dog and pony show at the arena.	Given the traffic issues in Arthur the study scope should be larger to include the problems with the intersection at Hwy 6. With the limited scope of only bridge replacements against the limited relocation of the 109 roadway, I believe the wrong conclusion will be reached. If the study scope included the conditions at this intersection it is very possible that the relocation option would be preferred.
2020-12-23 17:10		Yes	Straighten the river and eliminate the first 2 bridges leaving Arthur. Install 1 culvert by Tim hortons to drain runoff water from south side of road.		No	Replace 2 eliminate 2	Yes	The amount of truck traffic on this road and more to come with the alltreat expansion the road needs to stay where it is Replace 2 eliminate 2			
2020-12-30 10:12	Heaven is a long ways away to worry about these bridges at this time	Yes	Deceased persons cannot fill out forms	Does this bridge go to heaven.	Yes						Why am I the deceased daughter still getting mail for my Mother (especially at Holiday times during a pandemic) when I called Wellington County admin about this last time a survey notice came out.
2020-12-31 7:58		No		Delays during construction will likely alter usual truck traffic patterns and speed on surrounding roadways. Currently, there is significant truck traffic traveling north and south through Damascus. High speeds are already a problem.	Yes		No				Wellington Road 16 at Damascus should have additional speed calming measures permanently put in place.
2021-01-16 18:43	No	No		No	Yes		No		No	No	
2021-01-16 18:46	No	No		No	Yes		No		No	No	
2021-02-16 15:50		No			No	It may be more expensive now but a lot less maintenance in the years ahead.	Yes	the time needed to replace all four bridges will affect traffic for a long time			I favour putting the by-pass road south of the original 109 to miss all four bridges.