



**Stage 1-2 Archaeological Assessment:
Proposed Anthony Pit (formerly
Proposed Tikal Pit Expansion)**

Part of Lot 22, Concession 8, Puslinch
Township, Wellington County, Ontario

December 10, 2024

Prepared for:

CBM Aggregates
55 Industrial Street
Toronto, Ontario L3R 0B8

Prepared by:

Stantec Consulting Ltd.
400-1305 Riverbend Road
London, Ontario N6K 0J5

Licensee: Parker Dickson, MA
License Number: P256
Project Information Form Number:
P256-0721-2022
Project Number: 160961457

**REVISED SUPPLEMENTARY
DOCUMENTATION**



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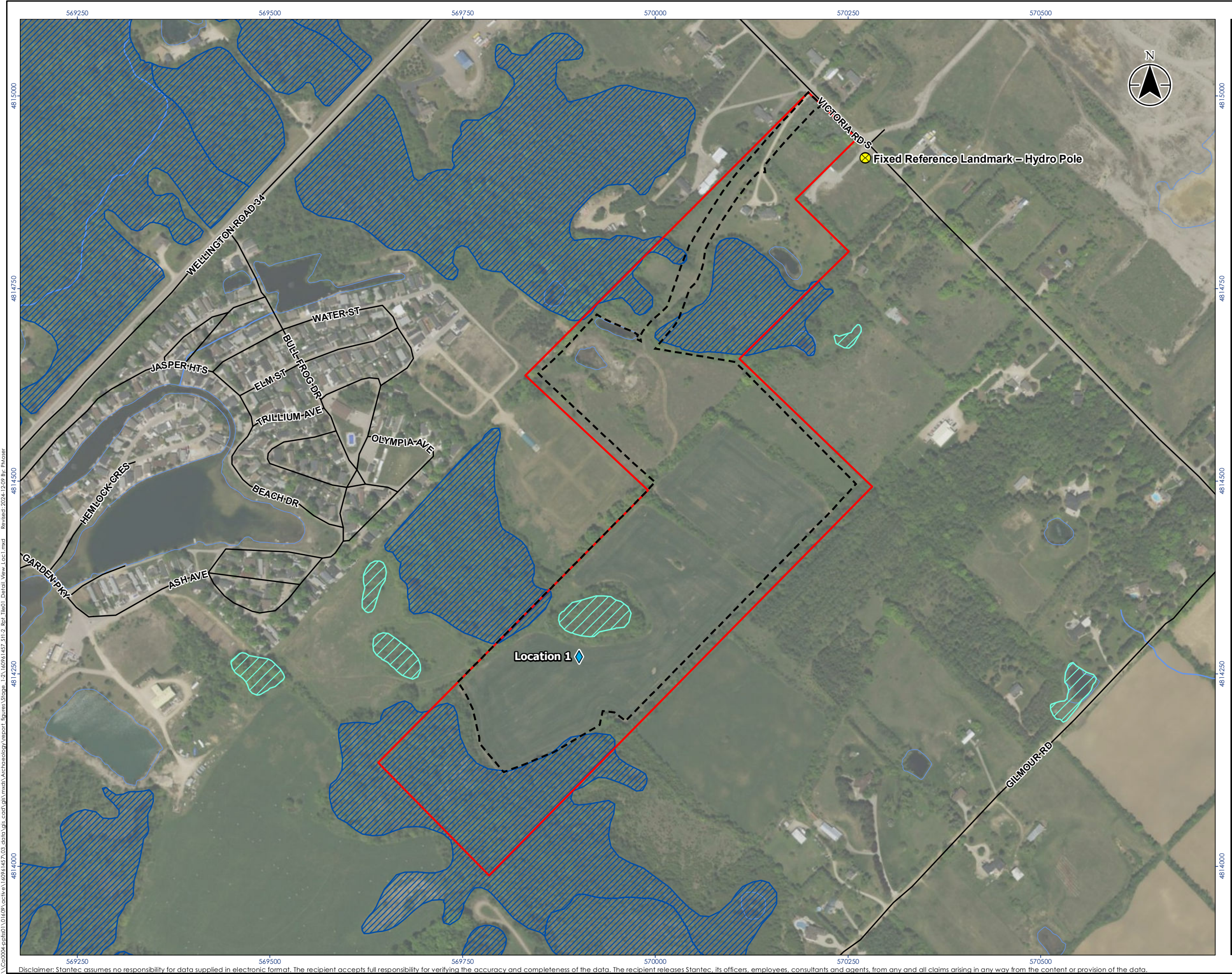
STAGE 1-2 ARCHAEOLOGICAL ASSESSMENT: PROPOSED ANTHONY PIT (FORMERLY PROPOSED TIKAL PIT EXPANSION)

Mapping
December 10, 2024

1.0 MAPPING

Stantec Consulting Ltd. (Stantec) was retained by CBM Aggregates (CBM), a division of St. Marys Cement Inc., to complete a Stage 1-2 archaeological assessment for the CBM Aberfoyle Tikal Pit Expansion (the Project). As of 2024, the Project has been renamed to the Anthony Pit. Further, a Site Plan for the Project is being completed by an independent engineering firm and has not been finalized or available for Stantec's use for this archaeological assessment. The Property Boundary associated with the Project is approximately 24.1 hectares of land, located in part of Lot 22, Concession 8, Geographic Township of Puslinch, Wellington County, Ontario. At the request of CBM, the Stage 1 portion of the archaeological assessment examines the entirety of the Property Boundary (the study area), while the Stage 2 portion of the archaeological assessment examines only the Maximum Extraction Limits for the Project and an associated access road (the survey area). Thus, the Stage 2 survey area, located within the Property Boundary, is smaller and comprises approximately 14.3 hectares of scrubland, woodlot, and agricultural field. The archaeological assessment is being completed during the preliminary planning phase of the Project in accordance with the *Aggregate Resources Act* (Government of Ontario 1990a) and the *Aggregate Resources of Ontario: Technical Reports and Information Standards* (Government of Ontario 2020).

The Stage 1-2 archaeological assessment of the study area was conducted between May 18 and June 27, 2022, under Project Information Form number P256-0721-2022 issued to Parker Dickson, MA, of Stantec by the Ministry of Citizenship and Multiculturalism (MCM). One new archaeological location was identified during the Stage 2 assessment of the survey area, Location 1. Location 1 comprises an isolated find of piece of chipping detritus (a broken flake) manufactured from Onondaga chert. The following page provides a map for the Stage 1-2 archaeological assessment of the study area for the Project, illustrating the exact location of the new archaeological location identified.



Legend

- Property Boundary
- Artifact - Pre-contact Indigenous
- Datum Point
- Road
- Watercourse
- Waterbody
- Wetland - Evaluated (Provincial)
- Wetland - Not evaluated per Ontario Wetland Evaluation System
- Survey Area

0 100 200 metres

1:5,000 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
3. Orthoimagery © First Base Solutions, 2021.

Project Location
Township of
Puslinch

160961457 REVA
Prepared by PRM on 2024-12-09
Technical Review by PD on 2024-12-09

Client/Project
STAGE 1-2 ARCHAEOLOGICAL ASSESSMENT
PROPOSED ANTHONY PIT

Title No.
1

Title
Detail View of Location 1

STAGE 1-2 ARCHAEOLOGICAL ASSESSMENT: PROPOSED ANTHONY PIT (FORMERLY PROPOSED TIKAL PIT EXPANSION)

Coordinates
December 10, 2024

2.0 COORDINATES

Universal Transverse Mercator (UTM) coordinates recorded during the Stage 1-2 assessment of the study area for the Project are provided in Table 1. A Fixed Reference Landmark (Permanent Datum) was also recorded as part of the archaeological assessment. The UTM coordinates were taken using ArcGIS Collector powered by ESRI, customized for archaeological survey and assessment, on a handheld mobile device paired with an R1 Receiver to an accuracy of less than one metre. The UTM coordinates are located in zone 17T and are based upon the North American Datum 1983 (NAD83).

Table 1: UTM Coordinates

Context	Description	Easting	Northing
Fixed Reference Landmark	Hydro Pole on Victoria Street South	570271	4814920
Location 1	CSP 1, chipping detritus	569900	4814273

**STAGE 1-2 ARCHAEOLOGICAL ASSESSMENT: PROPOSED ANTHONY PIT (FORMERLY
PROPOSED TIKAL PIT EXPANSION)**

Coorespondence
December 10, 2024

3.0 COORESpondENCE

The following pages provide correspondence between Stantec and the MCM regarding revisions to the original report.

From: [Dickson, Parker](#)
To: [Jarrett, Stephen \(MCM\)](#)
Cc: [Archaeology \(MCM\)](#)
Subject: Re: REVISED REPORT REQUIRED: P256-0721-2022:V1:Nov 15, 2024 / *
Date: Monday, December 2, 2024 7:55:56 AM
Attachments: [image001.png](#)

Thank you Stephen! I will try to have this report resulted today, acknowledging that further archaeological assessment is required.

I truly appreciate your help!
PD

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From: Jarrett, Stephen (MCM) <Stephen.Jarrett@ontario.ca>
Sent: Monday, December 2, 2024 7:47 AM
To: Dickson, Parker <Parker.Dickson@stantec.com>
Cc: Archaeology (MCM) <archaeology@ontario.ca>
Subject: RE: REVISED REPORT REQUIRED: P256-0721-2022:V1:Nov 15, 2024 / *

Hi Parker,

I fully understand your desire to make detailed, nuanced recommendations. However, for this case, in the cause of making it fully clear, you must simply state "Further archaeological assessment is required" in your first bold section there as your recommendation. You can include an overview of the location 1 in the summaries but can make no recommendations regarding it. Any future archaeological assessment that completes the Stage 2 on the property can pick up the recommendation for that location.

A word of caution too on nomenclature that "maximum extraction limits" is not always the same as the "license limits". The aggregates license typically includes areas outside where they are extracting for other infrastructure. Hence, the license limits are what the MCM is looking for.

Cheers
Steve

Stephen Jarrett

Archaeology Review Officer | Heritage Operations Branch/Citizenship, Inclusion and Heritage Division
Ministry of Citizenship and Multiculturalism | Ontario Public Service
613-852-7942 | stephen.jarrett@ontario.ca



Taking pride in strengthening Ontario, its places and its people

From: Dickson, Parker <Parker.Dickson@stantec.com>
Sent: Tuesday, November 26, 2024 8:16 AM
To: Jarrett, Stephen (MCM) <Stephen.Jarrett@ontario.ca>
Cc: Archaeology (MCM) <archaeology@ontario.ca>
Subject: RE: REVISED REPORT REQUIRED: P256-0721-2022:V1:Nov 15, 2024 / *

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Thanks Stephen,

Admittedly, I'm not an "aggregates guy" so some of the nomenclature isn't part of my vocabulary. When we started this project, a site plan was not available. The studies were being done in preliminary phases of the project to identify what the maximum extraction limits for the Project could be – hence the study area that was subject to Stage 2. I have confirmed that the maximum extraction limits from the time of our survey have not expanded. The client has engaged with another engineering consultant to prepare a formal site plan based on the archaeological work and other early studies. I have inquired about that site plan to see if it is in draft and can be shared. In the event that is not able to be shared, may I confirm with you that the recommendations language in the report, as per revision request 1.c., would simply be to acknowledge that the Stage 1-2 assessment is incomplete and further Stage 2 assessment is required:

As a portion of the property boundary was not subject to Stage 2 archaeological assessment, the Stage 1-2 archaeological assessment is incomplete. Stage 2 archaeological assessment was not completed for the portion of the study area expected to be excluded from the developable area, i.e., the maximum extraction limits, of the Project. This portion of the study area retains archaeological potential and Stage 2 archaeological assessment is required. In accordance with Section 2.1 Standards 1 and 2 of the MCM's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011a), **Stage 2 archaeological assessment is required for the portion of the study area retaining archaeological potential.**

I believe the above captures the revisions in the letter and speaks to your information below. What happens with the recommendation for Location 1? Section 7.8.4 Standard 1 requires that a provide a recommendations statement for the resource. Would the following be appropriate:

Location 1 is an isolated find of one broken flake of Onondaga chert. Given the temporally non-diagnostic nature and paucity of finds, the cultural heritage value or interest of Location 1 is sufficiently documented in accordance with Section 7.8.4 Standard 1.b and 1.c. of the MCM's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011a) and does not meet the Ministry's requirements for Stage 3 archaeological assessment.

Appreciate your help!

Parker Dickson, MA
Senior Associate, Senior Archaeologist
Environmental Services
Cell: 226-268-7196

Stantec
400-1305 Riverbend Road

London, Ontario N6K 0J5

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From: Jarrett, Stephen (MCM) <Stephen.Jarrett@ontario.ca>
Sent: Tuesday, November 26, 2024 7:51 AM
To: Dickson, Parker <Parker.Dickson@stantec.com>
Cc: Archaeology (MCM) <archaeology@ontario.ca>
Subject: RE: REVISED REPORT REQUIRED: P256-0721-2022:V1:Nov 15, 2024 / *

Hi Parker,

Thanks for reaching out regarding this review. Regarding Revision Point 1c, this is in place because if for whatever reason the Stage 1-2 does not finish the requisite area you will not have met Section 2.1, Standard 1 regarding the property area. If this standard is not met, then the MCM considers the archaeological assessment to be incomplete and "further archaeological assessment is required" is the only recommendation possible when an assessment is incomplete. Hence, the language involved there. For the second email you provided with the example, that is a situation utilized for when small portions of a property are being assessed for development under the Planning Act. In the Aggregates Act scenario you are in, the options in Revision point 1a and 1b are the only ones applicable, as the entire licensed area must be assessed.

Regarding Revision Point 2 and the ploughing of the field, the standard for what is recently cultivated agricultural land is not specific on timing. The main thrust of your argument against ploughing the field must come from Section 2.1.2, Standard 1c as you note in your email. However, the key aspect of this standard is that ploughing is not possible or viable due to heavy brush and weed growth, which your photo 6 does not illustrate, and this photo is not of that field. Based on the background environment research from this Stage 1 (you have included aerial photos of the property), this field clearly had a different environmental history from the adjacent fields and a field photo of it should be included in the report to support the determination that it is "not possible or viable" to plough it as per Section 2.1.2 Standard 1. The included photo should clearly illustrate heavy brush and weed growth over the field to indicate that it is not ploughable.

Let me know if you have any further questions. Happy to chat further on these matters.

Regards
Steve

Please note that this response does not constitute a report review and does not represent any

guarantee by this ministry that no further revisions will be requested. This ministry reserves the right to ask for further revisions of any report when that report is formally submitted for review and may request revisions as necessary.

Stephen Jarrett

Archaeology Review Officer | Heritage Operations Branch/Citizenship, Inclusion and Heritage Division

Ministry of Citizenship and Multiculturalism | Ontario Public Service

613-852-7942 | stephen.jarrett@ontario.ca



Taking pride in strengthening Ontario, its places and its people

From: Dickson, Parker <Parker.Dickson@stantec.com>

Sent: Friday, November 15, 2024 11:00 AM

To: Jarrett, Stephen (MCM) <Stephen.Jarrett@ontario.ca>

Cc: Archaeology (MCM) <archaeology@ontario.ca>

Subject: RE: REVISED REPORT REQUIRED: P256-0721-2022:V1:Nov 15, 2024 / *

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Good morning, Stephen,

Thank you muchly for the review. When Stantec initiated this work, the proponent was in the early phases of their project and did not yet have an actual aggregate site plan in hand. Rather, the polygon (as illustrated throughout the report) was the only study area provided to Stantec. I've reached out to the project management team and have asked for a site plan. I'll let you know what I hear as that may impact how we address Revision Request #1, items a. and b.

That said, I'm confused regarding Revision Request 1.c. – regardless of the above, only a portion of the study area was subject to Stage 2 survey. As described in Section 1.1 of the report, the Stage 2 survey area equates to the Project's proposed Maximum Extraction Limits. The Recommendations in the report are clear and indicate that "Stage 2 archaeological assessment is required for the portion of the study area retaining archaeological potential." Yes, there is one additional Recommendation, but it pertains specifically to the isolated findspot – noting that it does not retain any further CHVI and no further archaeological assessment related to it is required. The analysis of that location's CHVI and recommendation will not change regardless of any other revisions to this report.

Regarding Revision Request #2, Google Earth Imagery from 2004 suggests that the northernmost area is similar to other agricultural areas based on visual vegetive cover (the imagery does not confirm that it had been ploughed) but, by 2009 (based on Google Earth Imagery), the vegetative cover differs from the other agricultural areas to the south and, like current conditions, is overgrown scrubland and no longer farmed. The vegetative cover of the area in question is illustrated by Photo 6 in the report – the conditions are the same conditions as other areas inaccessible for ploughing (see vegetative cover in Photos 7 and 8). So, while the area may have been farmed at one time in the past (20 years ago), it has not been recently farmed and is "abandoned farmland with heavy brush and weed growth" and qualifies for test pit survey as per Section 2.1.2 Standard 1.c. This area is not "actively or recently cultivated agricultural land".

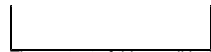
No concerns with anything else you mentioned and I'll get those items addressed!

Parker Dickson, MA

Senior Associate, Senior Archaeologist
Environmental Services
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From: pastport <pastport@ontario.ca>
Sent: Friday, November 15, 2024 7:45 AM
To: Dickson, Parker <Parker.Dickson@stantec.com>
Cc: PastPort@ontario.ca
Subject: REVISED REPORT REQUIRED: P256-0721-2022:V1:Nov 15, 2024 / *

Dear Parker S. Dickson,

The ministry has reviewed the Original report for PIF P256-0721-2022 submitted by you as a condition of your licence. Please refer to the attached letter to see the result of this review.

Please **do not** reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Stephen Jarrett

Stephen.Jarrett@Ontario.ca

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