

Stage 1 & 2 Archaeological Assessment

3735 Menoke Beach Road
Part of Lot C Plan 820
Part of Lot 2, Concession 9
Geographic Township of North Orillia
Township of Severn
County of Simcoe
Historic Township of Orillia North
Historic County of Simcoe

July 2, 2020

Prepared for: The Proponent

Prepared by: Irvin Heritage Inc.

Archaeological Licensee: Thomas Irvin, P379

PIF#: P379-0304-2020, P379-0305-2020

Version: Original

EXECUTIVE SUMMARY

Irvin Heritage Inc. was contracted by the proponent to conduct a Stage 1 and 2 Archaeological Assessment in support of a development application for a Study Area which is approximately 8.73 Ha in size.

The Stage 1 Archaeological Assessment indicated that the Study Area retained archaeological potential. As such, a Stage 2 Archaeological Assessment consisting of a 5 m Visual Survey was conducted. The assessment indicated that a portion of the property lacked archaeological potential owing to deep soil disturbance via grading and excavation. The Stage 2 identified no archaeological resources within the Study Area.

Given the results and conclusions of the completed Stage 1 & 2 assessment, the following recommendations are made:

- It is the professional opinion of the archaeological licensee, Thomas Irvin (P379) that the Study Area has been sufficiently assessed and is free of further archaeological concern.
- Notwithstanding the above recommendations, the provided Advice On Compliance With Legislation shall take precedent over any recommendations of this report should deeply buried archaeological resources or human remains be found during any future earthworks within the Study Area.

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1. ASSESSMENT CONTEXT

1.1. Development Context

Irvin Heritage Inc. was retained by the proponent to conduct a Stage 1 and 2 Archaeological Assessment of their property (the Study Area) located at the municipal addresses of 3735 Menoke Beach Road, Part of Lot C Plan 820, Part of Lot 2, Concession 9, Geographic Township of North Orillia, Township of Severn, County of Simcoe, Historic Township of Orillia North (Map 1).

The requirement for a Stage 1 Archaeological Assessment was triggered by the Approval Authority in response to a Development Application under the Planning Act for the construction of residential units. The assessment reported on herein was undertaken after direction by the Approval Authority and before formal application submission.

The archaeological assessment reported on was undertaken for the entirety of the legal 8.73 Ha property. Permission, without limitation, was provided by the proponent to survey, assess, and document the archaeological potential and resources, if present, of the Study Area.

1.2. Environmental Setting

The Study Area is rectangular, approximately 8.73 Ha in size, is predominantly active agricultural lands. (Map 2). The Study Area is bordered on the north and east by existing residential lots, by Menoke Beach Road to the west, and agricultural lands to the south.

Lake Couchiching is located 232 m to the west of the Study Area.

The Study Area is situated within the Simcoe Lowlands (35) physiographic region of Southern Ontario.

2. HISTORICAL CONTEXT

2.1. General History

The Study Area is located within the boundaries of the Williams Treaties, which were signed on October 31, 1923, by seven Anishnaabe First Nations representatives and the Crown (MIA 2020).

The Study Area is closest to the small rural historic community of Ardtrea. It is known that a Post Office was established in 1864 and that the name Ardtrea was given to the community by the postmaster W. W. Blair in honour of his hometown in Ireland (Mika 1977).

2.2. Study Area History

A review of historical resources resulted in the following data relevant to the Study Area:

Map 3: 1871 Historic Atlas of the County of Simcoe (Hogg 1871)

The Study Area is situated within part of Lot 2, Concession 9. The land containing the Study Area is listed as under the ownership of T. Wood. There are no structures noted within or adjacent to the Study Area. It should be noted that this mapping indicates the Study Area is fronting Lake Couchiching on the eastern boundary. This is likely the result of inaccuracies and scaling with the historic map.

Map 4: 1878 Historic Atlas of the County of Durham (Belden 1878)

The Study Area is situated within part of Lot 2, Concession 9. The land containing the Study Area has no listed ownership. There are no structures noted within or adjacent to the Study Area. It should be noted that this mapping indicates the Study Area is fronting Lake Couchiching on the eastern boundary. This is likely the result of inaccuracies and scaling with the historic map.

The following should be noted in regard to the review of historic maps:

- Study Area placement within historic maps is only approximate
- Many historic maps were subscriber based, meaning only individuals who paid a fee would have their property details mapped

3. ARCHAEOLOGICAL CONTEXT

The Study Area is situated within an overall historic landscape that would have been appropriate for both resource procurement and habitation by both Indigenous and Euro-Canadian peoples.

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3.1. Registered Archaeological Sites

A search of the Ontario Sites Database conducted on May 20, 2020, using a Study Area centroid of 17T E 627221 N 4948765 indicated that there are no registered archaeological sites within a 1 km radius of the Study Area.

3.2. Related and/or Adjacent Archaeological Assessments

One archaeological assessment was found to have been conducted within the lands abutting the southern boundary of the current Study Area. As well, a small portion of the current Study Area was previously capture within this past assessment (AMICK 2008).

TABLE 1: PREVIOUS ARCHAEOLOGICAL ASSESSMENTS

Consultant	PIF	Title & Relation to Current Study Area
AMICK Consultants Ltd. (AMICK 2008)	P058-350-2008	<p>Report on the 2008 Stage 1-2 Archaeological Assessment of Part of Lot 2, Concession 9, Geographic Township of Orillia, Town of Severn, County of Simcoe.</p> <p>This report documents the assessment of lands abutting the southern portion of the Study Area,, including a small portion of the current Study Area. The assessment conducted by AMIC included both Visual and Test Pit survey strategies; no archaeological resources were found.</p> <p>The report is within the Ontario Public Register.</p>

3.3. Cemeteries & Burials

As per a cursory search conducted on May 20, 2020, there are no known or registered cemeteries or burials within or adjacent to the Study Area.

3.4. Archaeological Management Plan

The Study Area is not situated within an area subject to an Archaeological Management Plan.

3.5. Heritage Conservation District

The Study Area is not situated within an existing or proposed Heritage Conservation District.

3.6. Heritage Properties

The Study Area contains no registered or listed heritage properties.

3.7. Historic Plaques

There are no historic plaques within a 100 m radius of the Study Area (Ontario Heritage Trust 2020).

4. STAGE 1 ANALYSIS & CONCLUSIONS

It is clear that the Study Area retains archaeological potential owing to the environmental setting of the Study Area in relation historic settlement, proximity of historic transportation routes, and proximity to a watercourse.

As such, the Study Area retains archaeological potential and should be subject to a Stage 2 Archaeological Assessment (Map 5).

5. STAGE 1 RECOMMENDATIONS

Given the analysis and conclusion of the completed Stage 1 assessment, the following recommendations are made:

- Lands which can be subject to agricultural ploughing must be prepared via ploughing to ensure a minimum 80% of soil visibility. Prepared lands must be allowed to weather under a significant rainfall event, or several lighter rains. A visual survey must be undertaken along 5 m survey intervals.
- Lands which are not viable to plough must be subject to a test pit survey with the following conditions:
 - ▶ All test pits are to be excavated by hand at 5 m intervals along 5 m transects
 - ▶ Test pits must be excavated to within 1 m of all extant and/or ruined structures when present
 - ▶ All test pits must be 30 cm in diameter and be excavated into the first 5 cm of subsoil
 - ▶ All excavated soils must be screened through 6 mm wire mesh to facilitate artifact recovery
 - ▶ All artifacts recovered must be retained via their associated test pit
 - ▶ All test pits are to be backfilled unless instructed otherwise by the landowner

6. STAGE 2 FIELD METHODOLOGY

Prior to the initiation of fieldwork, the Field Director reviewed the existing Stage 1 archaeological analysis and recommendations; all field staff were then briefed on the archaeological potential of the Study Area. Fieldwork was conducted in June 2020 (see Table 2). The weather consisted of light cloud cover or sunny conditions, but at all times the assessment was conducted under appropriate weather conditions.

TABLE 2: DATES & DIRECTORS OF ASSESSMENT

Date	Weather	Field Director(s)	Assistant Field Director(s)
Jun 3 2020	28°C, light cloud cover	T. Irvin (P379)	K. McGowan

The assessment began with a visual review of the Study Area conditions.

The Study Area was found to consist of predominantly well ploughed and weathered agricultural fields (Images 1-3). These fields were subject to a 5 m Visual Survey with no archaeological resources being found. The area to the south of the agricultural fields was highly disturbed with extensive grading and excavation, negating any archaeological potential (Images 4, 6 & 7); confirmation test pits within this area supported extensive subsoil disturbance. A large spoil heap was present within the agricultural field, a judgmental test pit survey was conducted at the base of this mound and the soils found to be highly disturbed with an intermixture of subsoil within the topsoil matrix (Image 5). Additional Judgemental Test Pits were placed within the graded area with soils similarly disturbed as those noted in Image 5. A small low lying and wet area was noted in the northern portion of the Study Area.

The archaeological survey of the property resulted in the discovery of no archaeological resources.

7. STAGE 2 RECORD OF FINDS

The completed archaeological assessment resulted in the creation of various documentary records (Table 3).

TABLE 3: INVENTORY OF STAGE 2 HOLDINGS

Record Type or Item	Details	# of Boxes
Field Notes: P379-0305-2020	Digital Files	-
Photos: P379-0353-2020	Digital Files	-

8. STAGE 2 ANALYSIS & CONCLUSIONS

The Study Area, measuring approximately 8.73 Ha in size was subject to a complete archaeological assessment. The Study Area was found to consist of an intermixture of disturbed and undisturbed soils. No archaeological resources were noted during the survey.

TABLE 4: SUMMARY OF STAGE 2 ASSESSMENT METHODOLOGIES & FINDINGS

Assessment Method	Findings	Ha	% of Study Area
Archaeological Potential: 5 m Visual Survey	No Resources	3.92	44.9%
Low Potential: Low Lying & Wet	-	1.61	18.4%
Low Potential: Deep and Extensive Soil Disturbance	-	2.86	32.8%
Low Potential: Previously Assessed (AMICK 2008)	-	0.34	3.9%
Total		8.73	100

9. STAGE 2 RECOMMENDATIONS

Given the results and conclusions of the completed Stage 1 & 2 assessment, the following recommendations are made:

- It is the professional opinion of the archaeological licensee, Thomas Irvin (P379) that the Study Area has been sufficiently assessed and is free of further archaeological concern.
- Notwithstanding the above recommendations, the provided Advice On Compliance With Legislation shall take precedent over any recommendations of this report should deeply buried archaeological resources or human remains be found during any future earthworks within the Study Area.

10. ADVICE ON COMPLIANCE WITH LEGISLATION

The Standards and Guidelines for Consultant Archaeologists requires that the following standard statements be provided within all archaeological reports for the benefit of the proponent and approval authority in the land use planning and development process (MTC 2011:126):

This report is submitted to the Minister of Tourism, Culture and Sport as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18. The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the MTCS, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.

It is an offence under Sections 48 and 69 of the Ontario Heritage Act for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed archaeological fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeology Reports referred to in Section 65.1 of the Ontario Heritage Act.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the Ontario Heritage Act. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48 (1) of the Ontario Heritage Act.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48 (1) of the Ontario Heritage Act and may not be altered, or have artifacts removed from them, except by a person holding an archaeological licence.

The Funeral, Burial and Cremation Services Act, 2002, S.O. 2002, c.33 requires that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Consumer Service.

11. IMAGES



Image 1: Archaeologists conducting 5m visual survey.



Image 2: Visual survey conditions.



Image 3: Surface visibility.



Image 4: Area of disturbance and grading in the foreground; spoil heap in foreground.

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Image 5: Disturbed soil conditions at the base of the spoil heap indicating soil disturbance; note subsoil intermix within topsoil.



Image 6: Area of extensive disturbance via grading.

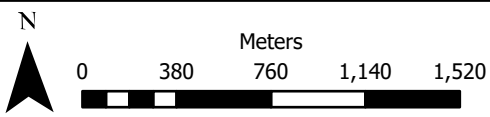
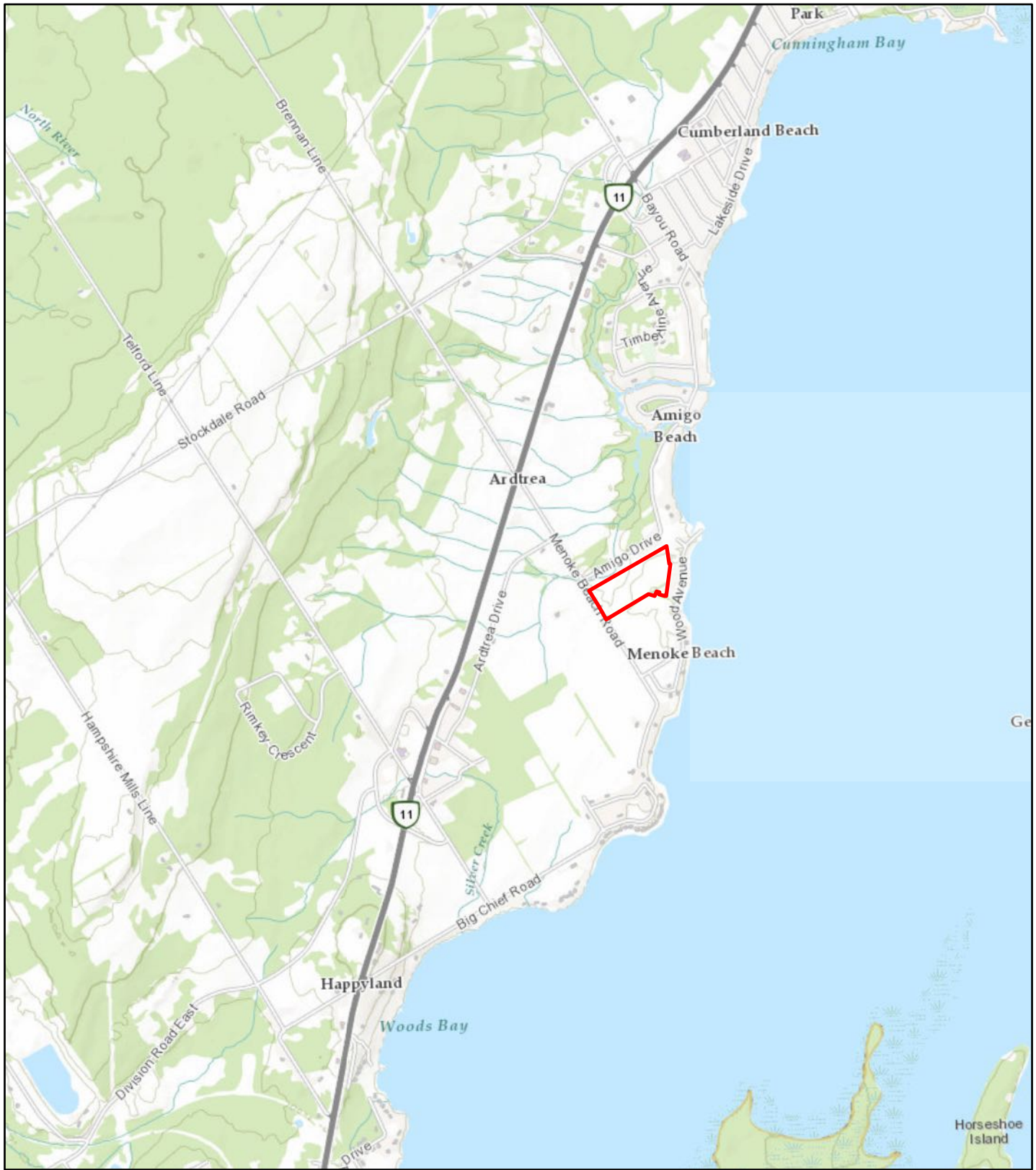


Image 7: Disturbed soil conditions showing grading.



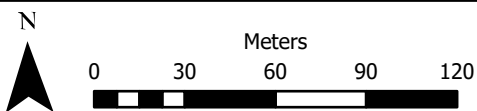
Image 8: Low lying and wet area.


12. MAPS



Source: ESRI, ARCGIS PRO

Map 1: Study Area Location



 Study Area

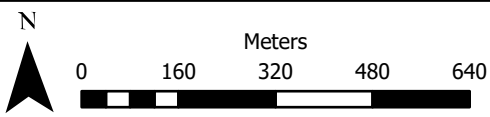
Source: ESRI, ARCGIS Pro

Map 2: Study Area Environmental Detail



Source: Hogg 1871

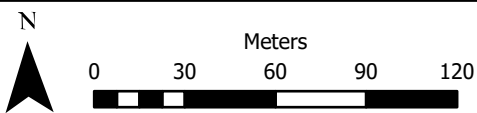
Map 3: Study Area stop 1871 Historic Atlas Map







 Study Area

Source: Belden 1881

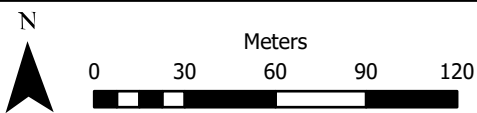
Map 4: Study Area stop 1881 Historic Atlas Map









Source: ESRI, ARCGIS Pro

-  Study Area
- Archaeological Potential
 -  5m Test Pit Survey Required
 -  5m Visual Survey Required
 -  Low Potential: Area Previously Assessed (AMICK 2008)

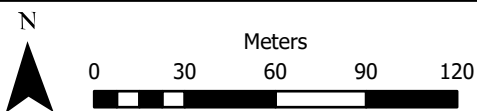
Map 5: Stage 1 Results and Recommendations









Source: ESRI, ARCGIS Pro

-  Study Area
-  5m Visual Survey Conducted
-  Low Potential: Low Lying & Wet
-  Low Potential: Deep Soil Disturbance Via Grading & Excavation
-  Low Potential: Area Previously Assessed (AMICK 2008)
-  Photo # & Direction

Map 6: Stage 2 Results of Assessment



Source: ESRI, ARCGIS Pro

-  Study Area
-  5m Visual Survey Conducted
-  Low Potential: Low Lying & Wet
-  Low Potential: Deep Soil Disturbance Via Grading & Excavation
-  Low Potential: Area Previously Assessed (AMICK 2008)
-  Photo # & Direction

Map 7: Stage 2 Results of Assessment with Site Plan Overlay

13. REFERENCES

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