

**STAGE 2 ARCHAEOLOGICAL ASSESSMENT OF 11210 LAKESHORE ROAD
PART OF LOT 12, CONCESSION 1, GEOGRAPHIC TOWNSHIP OF
WAINFLEET, WELLAND COUNTY, REGIONAL MUNICIPALITY OF
NIAGARA, ONTARIO**

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EXECUTIVE SUMMARY

This report details the findings of a Stage 2 archaeological assessment of the subject property, Part of Lot 12, Concession 1, Wainfleet Township in the Regional Municipality of Niagara (Figures 1, 2). The assessment was carried out for the property owner, Mr. Jason Krtek, who undertook the assessment in compliance with Section 7.18 of the Township of Wainfleet Official Plan, which requires an archaeological assessment for land development and alteration in areas of archaeological potential. This is to ensure that the development proponent meets their legal obligations under the Ontario Heritage Act. The property is proposed to be developed for residential use.

The Study Area, defined as the portion of Lot 12, Concession 1 (Figure 8) measures about 3.3 acres (1.34 ha) in area and is located on the northwest corner of the intersection of Lakeshore Road and Golf Course Road. The Study Area is situated in the Township of Wainfleet, Welland County where settlement began after 1812. Today the Study Area is undeveloped.

Primary historical sources were examined for the Stage 1 Assessment to determine the history of ownership and occupation of the property. The Abstract to Deeds, Ontario decadal censuses and historic maps were consulted as a means of assessing archaeological potential as it relates to the historic period. Additionally, the physiographic and drainage features on or adjacent to the Study Area, and the Register of recorded archaeological sites, were consulted to determine archaeological potential for the pre-contact period. Based on the results of the Stage 1 Assessment carried out by John Triggs (P-048) under PIF P048-0126-2021, a Stage 2 archaeological assessment – pedestrian survey - was recommended in accordance with the Standards and Guidelines for Consulting Archaeologists (2011), Archaeology Unit of the Ministry of Citizenship and Multiculturalism.

The initial Stage 2 assessment was carried out on August 2 and 3, 2022. Prior to the assessment the study had been plowed and the ground weathered such that visibility was more than 95%. A 5-metre spacing was used initially for the pedestrian survey. The number of find spots recorded prompted a decision to conduct the entire survey in 1 metre transects. A total of 287 find spots were recorded dispersed across the study area with a cluster of finds assumed to be located in the western section of the property. Sections of the study area were also deemed to require additional plowing. Specifically, a strip of unplowed ground between trees remained to be plowed. The proponent was notified of the need for additional plowing on August 5, 2022. Also, the proponent was asked to provide a proper survey of the property showing boundaries. This survey map was not sent to the author until June 14, 2023, after a hiatus of more than 10 months (Figure 13).

Additional plowing was carried out on July 25, 2023, after meeting with the proponent on site and directing where the work was to take place. After a heavy rainfall on July 26 the remainder of the Stage 2 assessment took place on July 27. No additional artifacts were noted during the final stage of the assessment.

Regarding the official survey of the property forwarded on June 14, 2023 (Figure 13), upon overlaying the survey it was noted that the plowed area assessed in August 2022 extended beyond the proponent's property boundaries. In fact, a concentration of artifacts found on the western edge of the

area assessed is attributed to the registered site AfGu-56, (Findspot 5) assessed by ARA in 1990 (see Figures 11, 12). This site is situated beyond the limits of the current Study Area. In this location a concentration of non-diagnostic artifacts and 2 preforms were mapped and are shown on Figure 13. Excepting a couple of pieces of undiagnostic debitage no further evidence was found of the other site registered by ARA in 1990 as Findspot 1 (AfGu-53) (see Figures 11, 12).

Recommendations are for the Study Area to be cleared of further archaeological concern (Figure 13). The distribution of lithics that were unquestionably produced by human agency do not occur in concentrations of at least 10 per 10 x 10 metre square and thus do not meet the criteria for Cultural Heritage Value or Interest, and the requirement for a Stage 3 assessment as per the Standards and Guidelines, Section 2.2, Standard 1.a.i.(3). No temporally diagnostic artifacts were recovered during the assessment. Lithic analysis was carried out by a specialist in this field, Jacqueline Fisher, P-042.

Indigenous engagement was carried out for this assessment. The Mississaugas of the Credit First Nation were contacted prior to the assessment with an invitation to participate. Field Liaison Representative Jodie Lovegrove was assigned to the project by Adam LaForme, Archaeological Operations Supervisor, Mississaugas of the Credit First Nation (MCFN), Department of Consultation and Accommodation (DOCA).

Permission for access to the site was granted by the proponent prior to the assessment.

PROJECT PERSONNEL

Senior Project Manager John Triggs (P048)

Field Director (licensee) John Triggs

Field Archaeologists Jacqueline Fisher (P042)

..... Travis Hill

..... Jessica Linzel

Mississauga of the Credit First Nation Field Liaison Representative Jodie Lovegrove

Report Preparation John Triggs

Report Graphics John Triggs

..... Olivia Robinson

1.0 INTRODUCTION

This report details the findings of a Stage 2 archaeological assessment of the subject property, Part of Lot 12, Concession 1, Wainfleet Township in the Regional Municipality of Niagara (Figures 1 and 2). The assessment was carried out for the property owner, Mr. Jason Krtek, who undertook the assessment in compliance with Section 7.18 of the Township of Wainfleet Official Plan, which requires an archaeological assessment for land development and alteration in areas of archaeological potential. This is to ensure that the development proponent meets their legal obligations under the Ontario Heritage Act. The property is proposed to be developed for residential use.

The Study Area, defined as the portion of Lot 12, Concession 1 (Figure 8), measures about 3.3 acres (1.34 ha) in area and is located on the northwest corner of the intersection of Lakeshore Road and Golf Course Road. The Study Area is situated in the Township of Wainfleet, Welland County where settlement began after 1812. Today the Study Area is undeveloped and is periodically mowed by the owner.

Primary historical sources were examined for the Stage 1 Assessment to determine the history of ownership and occupation of the property. The Abstract to Deeds, Ontario decadal censuses and historic maps were consulted as a means of assessing archaeological potential as it relates to the historic period. Additionally, the physiographic and drainage features on or adjacent to the Study Area, and the Register of recorded archaeological sites, were consulted to determine archaeological potential for the pre-contact period. Based on the results of the Stage 1 Assessment carried out by John Triggs (P-048) under PIF P048-0126-2021, a Stage 2 archaeological assessment – pedestrian survey - was recommended in accordance with the Standards and Guidelines for Consulting Archaeologists (2011), Archaeology Unit of the Ministry of Citizenship and Multiculturalism.

The initial Stage 2 assessment was carried out on August 2 and 3, 2022. Prior to the assessment the study had been plowed and the ground weathered such that visibility was more than 95%. A 5-metre spacing was used initially for the pedestrian survey. The number of find spots recorded prompted a decision to conduct the entire survey in 1 metre transects. A total of 287 find spots were recorded dispersed across the study area with a cluster of finds assumed to be in the western section of the property. Sections of the study area were also deemed to require additional plowing. Specifically, a strip of unplowed ground between trees remained to be plowed. The proponent was notified of the need for additional plowing on August 5, 2022. Additional plowing was carried out on July 25, 2023, after meeting with the proponent on site and directing where the work was to take place. After a heavy rainfall on July 26 the remainder of the Stage 2 assessment took place on July 27. No additional artifacts were noted during the final stage of the assessment.

Recommendations are for the Study Area to be cleared of further archaeological concern (Figure 13). The distribution of lithics that were unquestionably produced by human agency do not occur in concentrations of at least 10 per 10 x 10 metre square and thus do not meet the criteria for Cultural Heritage Value or Interest, and the requirement for a Stage 3 assessment as per the Standards and Guidelines, Section 2.2, Standard 1.a.i.3. No temporally diagnostic artifacts were recovered during the assessment. Lithic analysis was carried out by a specialist in this field, Jacqueline Fisher, P-042.

Indigenous engagement was carried out for this assessment. The Mississaugas of the Credit First Nation were contacted prior to the assessment with an invitation to participate. Field Liaison Representative Jodie Lovegrove was assigned to the project by Adam LaForme, Archaeological Operations Supervisor, Mississaugas of the Credit First Nation (MCFN), Department of Consultation and Accommodation (DOCA).

Permission for access to the site was granted by the proponent prior to the assessment.

2.0 METHODOLOGY

The pedestrian survey of the Study Area was carried out according to the Standards and Guidelines for Consultant Archaeologists, Section 2.1.1.

Standards

1. *Actively or recently cultivated land must be subject to pedestrian survey.*
2. *Land to be surveyed must be recently ploughed. Use of chisel ploughs is not acceptable. In heavy clay soils ensure furrows are disked after ploughing to break them up further.*
3. *Land to be surveyed must be weathered by one heavy rainfall or several light rains to improve visibility of archaeological resources.*
4. *Provide direction to the contractor undertaking the ploughing to plough deep enough to provide total topsoil exposure, but not deeper than previous ploughing.*
5. *At least 80% of the ploughed ground surface must be visible. If visibility is below 80% (e.g., due to crop stubble, weeds, young crop growth), ensure the land is re-ploughed and weathered before surveying.*

Further, the Study Area shown on Figure 10 was assessed by pedestrian survey following the above sections in Standards and Guidelines, as well as standards under sub-sections under 2.1, namely 2.1.6, 2.1.7, 2.1.8, and 2.1.9, all of which concern field methodology. Due to the presence of artifacts, survey intervals were spaced 5 metres apart initially and then reduced to 1 m, or shoulder-to-shoulder coverage.

The study area measures approximately 160 metres east-west by 100 metres north-south according to a sketch plan provided by the proponent (Figure 10). The proponent prepared the Study Area before the assessment such that when the team arrived on August 2, 2022 the plowed area was readily visible and assumed to be within the property boundaries. The survey was begun on August 2, 2022, by walking transects parallel to the road at a spacing of 5 metres for a width of about 15 metres at the east end (starting where cars are parked) to just over 20 metres at the west end of the study area where there is a line of trees marking the purported property boundary.

When findspots were located, spacing was reduced to about 2-3 metres – walked from east to west and then back west to east. A closer spacing of 1-2 metres was used after mid-morning walking in the same east west directions back and forth across the Study Area. All findspots were marked with surveyors flags.

GPS readings were taken for the centre of Study Area and the cardinal points and are recorded in the Observations section below.

Findspots were mapped using a transit. The first instrument set-up on August 2 was on the edge of the ditch on the curve of the road on north side. The IP or instrument position was established by shooting south to the telephone box – green box on the short road section that is south of Lakeshore. The telephone box was used as the site datum.

A second shot to the telephone pole along the short section of road that forms a triangular area where it intersects Golf Course Road. This is the second eastern telephone pole near the intersection of the west end of the short road and Lakeshore. The sighting was taken with the rod located 1.5 metres to the east of the telephone. IPs and other sightings establishing IP are recorded in the Observations section below. For general reference IP-1 was located about 3.5 metres from the paved edge of the road on the north side of the ditch.

Artifact positions were recorded using a stadia rod and calculating distance to the nearest 10 cm. These were recorded as CSPs, some of which had more than a single artifact. Artifacts were bagged and labeled according to sequential numbers starting at 1 to 287. Pre-contact lithic debitage and historic period artifacts were mapped in this way.

In afternoon the western section of the Study Area was walked using a shoulder-to-shoulder spacing because of the number of findspots. Four archaeologists and the FLR from the Mississaugas of the Credit First Nation conducted the survey in this manner.

On August 3, 2022, the survey was continued with 1 metre transects and then shoulder-to-shoulder. Survey began on the east end of the site and continued west along the norther border of the Study Area. Findspots were mapped in as above on August 2, with a new instrument position as recorded in the Observations section below.

After a hiatus of more than 10 months, while the license holder awaiting a proper survey of the property, an area remaining to be plowed in the central section of the Study Area was assessed on July 27, 2023. This area was deemed to be insufficiently prepared during the August 2022 survey, and a request was made at that time to have the remaining area plowed. On July 25, 2023, the license holder met with the proponent on site to direct where the remaining plowing was to take place. This was a strip measuring about 50 m east-west and 4 metres north-south. Plowing was done on the afternoon of the 25th, and a heavy rainfall on the 26th meant that the area was sufficiently weathered to allow for the completion of the assessment. The remaining portion described above was surveyed on July 27th. No artifacts were recorded. The Study Area, with boundaries clarified, was deemed to be sufficiently assessed at the conclusion of work on July 27th, 2023.

2.2 Background Research

A search of the Archaeological Site Database was conducted by contacting the Archaeological Data Coordinator, Archaeology Program Unit, Heritage, Tourism and Culture Division, Ministry of Heritage, Sport, Tourism and Culture Industries (now the Ministry of Citizenship and Multiculturalism).

A request for the report prepared by ARA in 1990 for the assessment of the area including the current Study Area was kindly forwarded. Excerpts from the report are below:

Within Study Area - no further findspots recorded during this assessment

Findspot 1 (AfGu-53)

This site is located on Planned Lot 4 of Harbour View Estates. It yielded a small scraper, a biface fragment (Photo One) and over 50 debitage flakes of chert. No diagnostics were recovered (ie. projectile points) to indicate a cultural affiliation. In size this 'scatter' covers an area approximately 12 meters by 10 metres.

Outside of Study Area – additional findspots noted and mapped

Findspot 5 (AfGu-56)

This site was reported in our original survey as covering an area of approximately 100 square metres. The second survey established that this should be expanded to cover approximately 500 square metres, and is located in Planned Lot 3. This site yielded upwards of 200 debitage flakes as well as a point base (Photo Two), two biface fragments, and numerous chert cobbles/cores.

3.0 CURRENT CONDITIONS, LAND USE AND DEVELOPMENT CONTEXT

The Study Area, defined as the portion of Lot 12, Concession 1, Figure 1 in this report, measures about 3.3 acres (1.34 ha) in area and is located on the northwest corner of the intersection of Lakeshore Road and Golf Course Road. The Study Area is situated in the Township of Wainfleet, Welland County. The land is currently in an uncultivated condition, with a few small shrubs and one or two mature trees. An examination of Google Earth images over several decades indicate that the land was last cultivated in 2006 (Figures 3-6). Topography is mostly level with a slight southerly slope towards the lake a few hundred yards distant (Figure 7).

The study area is slated for development of three residential lots. Each pie-shaped lot is on average about 1 acre (0.405 ha) in size. A sketch plan and Google Earth image was provided by the proponent showing the boundaries of the Study Area (Figure 10).

Upon arrival at the site on August 2 the field encompassing the Study Area had been plowed according to the field director's specifications. Most of the ground was completely broken up with no weeds or other visual impairments in the plowed sections. Weathering was sufficient and it is estimated that visibility was about 95% or higher. However, it was noted that some sections of the study area still required plowing. After the initial pedestrian survey on August 2 and 3, 2022, the proponent was notified on August 4 that a strip between small trees remain to be plowed. The estimated remaining area measured about 50 x 4 metres. Also, the proponent was asked to provide a proper survey of the property showing boundaries. This survey map was not sent to the author until June 14, 2023 (Figure 13).

When the plot of all CSP points was overlaid on the official survey of the property it was noted that the plowed area assessed in August 2022 extended beyond the proponent's property boundaries. In fact, a concentration of artifacts found on the western edge of the area assessed, is the registered site AfGu-56 (ARA 1990). This site is situated beyond the limits of the current Study Area and will not be subject to development (Figures 11, 12). A concentration of non-diagnostic artifacts and 2 preforms from this area were mapped and are shown on Figure 15.

4.0 ENVIRONMENT AND PHYSIOGRAPHY

The study area is situated in the Haldimand Clay Plain physiographic region, specifically in the sub-region referred to as the Niagara River Valley, a flood plain about 400 metres wide (Chapman and Putnum 1984). Overlying the sedimentary upper Silurian and lower Devonian age bedrock geology, the clay plain is characterized by a very compact, glacio-lacustrine clay deposit varying in thickness from a few centimetres closer to the lakeshore to at least 40 centimetres in undisturbed areas inland. The physiographic region can include dunes, cobble, clay and sand beaches, limestone pavements and back-shore wetland basins. The most significant outcrops of the bedrock geology are the Onondaga Formation and the Bois Blanc Formation, both sources of cherty limestone. Onondaga chert, the most abundant natural material from which chert was quarried by indigenous peoples, is available in outcrops on the north shore of Lake Erie from Fort Erie to about 100 kilometres west to Nanticoke.

Soils in the physiographic region are referred to as luvisolic, characterized by slightly acidic A- and B-horizons formed over calcareous parent materials. Natural sediment formation (the clay-loam A-horizon) over the clay subsoil (the B-horizon) can be variable in thickness from a few centimetres to as many as 30-40 centimetres.

Vegetation in the region during the early historic period was likely mostly deciduous, although timber descriptions in Robert Gourlay's Statistical Account for Upper Canada in 1817 do indicate that local variations were common, and a mixed conifer-hardwood forest may have also been present. The study area is found in the most northern extent of the Carolinian biotic province, a zone more characteristic of areas south of Lake Erie. Clues as to the natural forest cover and botanical species present are available in historical sources such as diaries, travel journals, surveyor's notebooks, and maps compiled during the late 18th and 19th centuries. Wood charcoal recovered during excavations at the Peace Bridge in Fort Erie by Archaeological Services Inc. from various contexts indicate that the area was dominated by ash, elm, and oak, with lesser quantities of maple, beech, ironwood, white pine, and larch (MacDonald and Cooper 2006: 22). Food species in the southeastern Niagara Region, available to aboriginal populations, and during early settlement, included nuts (black walnut, butternut, hickory, oak, beech, and chestnut), berries (raspberries, blackberries, elderberry, strawberry, blueberry, and cranberry), fruits (cherry, plum, crab apple, and currant) and cultivated vegetables. A wide variety of medicinal plants were also available (MacDonald and Cooper 2006: 25).

Fauna available to aboriginal populations, and early settlers, would have included a wide array of forest-dwelling animals. Among these were large mammals such as moose, white-tailed deer, wapiti (elk), black bear, and small mammals such as raccoon, beaver, muskrat, snowshoe hare, cottontail, marten, fisher, river otters, weasels, foxes, wolf, cougar, bobcat, lynx, woodchuck, chipmunk, and grey squirrel (MacDonald and Cooper 2006: 27-28). Waterfowl would also have been available and included the passenger pigeon in profusion along with other native species such as green heron, Virginia Rail, Cooper's hawk, eastern kingbird, willow flycatcher, brown thrasher, yellow warbler, common yellowthroat, northern cardinal, and savannah sparrow. Fish in the region include the longnose gar, channel catfish, smallmouth bass, yellow perch, walleye, northern hogsucker, banded killifish, and spottail shiner (Crins et al. 2009:52).

5.0 HISTORICAL BACKGROUND

Precontact Indigenous Chronology

The pre-contact era of southern Ontario is divided into cultural periods based on archaeological research. Ellis and Ferris (1990) provide the following classification for cultural periods recognized by most archaeologists.

Table 1: Pre-Contact Indigenous Culture History of Southern Ontario

Culture Period	Diagnostic Artifacts	Time Span (Years B.P.)	Detail
Early Paleo-Indian	Fluted Projectile Points	11,000-10,400	Nomadic caribou hunters
Late Paleo-Indian	Hi-Lo, Holcombe, Plano Projectile Points	10,400-10,000	Gradual population increase
Early Archaic	Nettling and Bifurcate Points	10,000-8,000	More localized tool sources
Middle Archaic	Brewerton and Stanly-Neville Projectile Points	8,000-4,500	Re-purposed projectile points and greater amount of endscrapers
Narrow Point Late Archaic	Lamoka and Normanskill Projectile Points	4,000-3,800	Larger site size
Broad Point Late Archaic	Genessee, Adder Orchard Projectile Points	3,800-3,500	Large bifacial tools. First evidence of houses
Small Point Late Archaic	Crawford Knoll, Innes Projectile Points	3,500-3,100	Bow and Arrow Introduction
Terminal Archaic	Hind Projectile Points	3,100-2,950	First evidence of cemeteries
Early Woodland	Meadowood Points, Cache Blades, and pop-eyed birdstones	2,950-2,400	First evidence of Vinette I Pottery
Middle Woodland	Pseudo-scallop shell	2,450-1550	Burial Mounds
	Princess Point pottery	1550-1100	First evidence of corn horticulture
Late Woodland	Levanna Point	1,100-700	Early longhouses
	Saugeen Projectile Points	700-600	Agricultural villages
	Nanticoke Notched Points	600-450	Migrating villages, tribal warfare

Registered archaeological sites dating to all cultural periods have been documented in the Niagara region.

Post-Contact History

Niagara, Welland County, and Wainfleet Township

The Study Area lies within the region encompassed by Treaty No. 3 with the Mississauga First Nation who sold the land to the Crown beginning in 1784.¹ The establishment of jurisdictional boundaries soon thereafter opened the land to settlement. Land was either granted or purchased from the Crown by settlers who then had title to a designated parcel which could range widely in size but was generally in 100 or 200-acre plots. The Niagara region, and Welland County specifically, was first surveyed in 1788 by Lieut. P.R Frey. Wainfleet Township was named by Lieut.-Governor John Graves Simcoe after a location in England with the same marshy conditions. By 1817 Wainfleet Township consisted of scores of farmsteads and was populated by 460 residents. Large scale immigration beginning in the 1840s – mostly from Ireland – saw the population increase to more than 3000 (Township of Wainfleet 2015). As with many communities in southern Ontario industry shifted to the growing urban centres beginning in mid-century. Steam-powered mills rapidly replaced the older, mostly rural economy where grist and sawmills were based on waterpower. In the period 1860s to 1880s there was a corresponding decrease in the rural population as people moved to the growing urban industrial centres nearby including places such as Brantford, Hamilton, and Toronto. By the early 20th century there was a decrease in population in Wainfleet (Township of Wainfleet 2015). During the last third of the 19th century successful farmers consolidated and increased their holdings as land became available due to the urban migration.

Lot 12, Concession 1, Wainfleet Township

The following history of occupation on the study area, Part of Lot 12, Conc. 1, was compiled using primary sources and is detailed in the Stage 1 assessment (P048-0126-2022). The objective was to determine the occupants on the lot in the 19th century, the dates of occupation, and details of the household that may relate to the archaeological potential. Nineteenth century censuses, maps, and secondary historical sources were consulted.

Lot 12, Concession 1, was granted by the Crown to Jacob Seitz in 1797. The entire lot comprised 250 acres rather than the more usual 200 acres because of the irregular shape of the lot fronting on the Lake Erie shoreline. Various mortgages and Bargain and Sales were taken out throughout the 1810s and 1820s with the smaller parcels of the lot changing ownership several times. In 1828 William Fares – spelled sometimes Faris – acquired the SE angle comprising 2 ¼ acres. It is unknown whether this refers to the Study Area as it is not marked on any 19th century map consulted for this study. The small plot suggests that it was for a homestead. William Fares (Sr.) died in 1838 and, in a probated will, left the same plot to his wife Elizabeth.

¹ Indigenous engagement is not required for a Stage 1 Assessment under the Standards (2011) of the Ministry of Citizenship and Multiculturalism. Indigenous engagement was not conducted as part of this Stage 1 assessment. Consultation with the Mississaugas of the Credit First Nation, DOCA, was carried out for the Stage 2.

The 1842 Census does not list William Fares but it does list Isaac (Faris), who owned the adjacent Lot 11 Conc. 1, and who was resident in the province for 36 years (since 1806). Isaac purchased the land from A. Neff in 1846. In 1841, the sale of part of lot 12 by Elizabeth, the deceased William's wife, to Isaac, suggests that this was a son. William Faris (Jr.), presumably another son of William Faris Sr., acquired 45 acres, that being the north part of the south part of lot 12, Conc. 1, in 1845 through a Bargain and Sale from Abraham Neff. This is the plot that is depicted on the 1862 Tremaine map of Lincoln and Welland Counties, and which comprises the Study Area. The south part of Lot 12 fronting the lake is depicted on the 1862 Tremaine map as owned by Isaac 'Ferris'. The 1862 map does not depict a residence on lot 12, although this may be because the structure was an impermanent log cabin. Such structures were not always depicted as were the more permanent frame, brick and stone residences.

William Fares (Faris) Jr. is listed in the 1861 census as a widower, aged 47, living in a 1 ½ story log cabin with his 6 children – Elizabeth, Susan, George, John, Martha, and Candace ages 21 to 9. Elizabeth is likely named after her mother. The 1871 census lists the same household members and provides details such as Mennonite for religion, English origin, and that there were two dwellings on the property that were occupied. The 1876 Illustrated County Historical Atlas does depict a residence on the western section of the south part of Lot 12, with an adjacent orchard. The property is attributed to William Fares. This suggests that the log cabin pre-dating 1861, and probably built in the 1820s (Abstract to Deeds), may still have been present on the property and further, that a more substantial frame or brick home had been built by this date. William continued to live in the house with his four daughters in the 1880s (1881 Census) although his son George appears to have set up his own household, either on Lot 12 or an adjacent lot, as his is the next census entry. His son John is absent from the census. Additional details and apparent corrections include the fact that William is of German origin, not English as was listed in the 1871 census. In 1891 William Fares lived on the property with three of his daughters – aged 48 to 34 – as well as a presumed boy relation, Merritt Fares aged 10, and a farm labourer, William Bush. One additional detail is that William was born in the United States, in 1814/1815 based on previous records. The 1901 census does not list any Fares family members for Wainfleet Township or the larger Monck Census District. It appears that William died between 1892 and 1901, and sometime after his death the family left the farm and region.

To summarize, the historical records indicate that part of lot 12, Conc. 1, comprising the Study Area, was occupied by at three generations of the Fares family between 1828 and ca. 1900. William Fares Sr. was an immigrant from the United States who arrived in the province following the War of 1812 where he established himself as a farmer in Wainfleet Township. His son, William Jr., continued to farm the land for as many as six decades following the death of his father. Structures associated with the property include a 1 ½ story log cabin, probably erected in the late 1820s and occupied up until William's death after 1891, and another more substantial residence after 1871.

6.0 ARCHAEOLOGICAL BACKGROUND

Nearby Archaeological Sites

A search of the Ministry of Citizenship and Multiculturalism archaeological database revealed that are 15 archaeological sites are registered within a 1 km radius of the study area. One site, AfGu-53, the Harbourview 1 Site, is located on the property. This was identified in 1990 by Dean Knight of Archaeological Research Associates (ARA) and the site was designated as having Cultural Heritage Value and Interest (CHVI). Many sites are unidentified as to function and cultural affiliation although three are identified as Late Woodland, Glen Meyer occupations (ca. AD 850-1250).

Borden #	Site Name	Submitted	Organization	Date	Activities	Purpose
AfGu-38	Ellsworth 4					
AfGu-54	Harbourview 2	Knight, Dean	ARA	01-Sep-90		
AfGu-55	Harbourview 3	Knight, Dean	ARA	01-Sep-90		
AfGu-53	Harbourview 1	Knight, Dean	ARA	01-Sep-90		
AfGu-58	Harbourview 6	von Bitter, Robert	MTCS	01-Sep-90		
AfGu-58	Harbourview 6	Knight, Dean	ARA	01-Sep-90		
AfGu-56	Harbourview 4	Knight, Dean	ARA	01-Sep-90		
AfGu-57	Harbourview 5	Knight, Dean	ARA	01-Sep-90		
AfGu-2	Bonisteel			01-Jan-75		
AfGu-2	Bonisteel	Wood, Lara	WSP Canada Inc.	23-Aug-19	Mapping, Observation/ recording, Pedestrian survey	Stage 1-2
AfGu-2	Bonisteel			01-Jan-75		
AfGu-50	AfGu-50	von Bitter, Robert	MTCS	01-Aug-12	Other: test pit	Other: Consulting Stage 2
AfGu-50	AfGu-50	Woodley, Philip	New Directions Archaeology Ltd.	01-Aug-12	Other: test pit	Other: Consulting Stage 2
AfGu-50	Hann	Michael, Rita	Michael Archaeological Services	01-Jun-85		
AfGu-50	AfGu-50	von Bitter, Robert	MTCS	01-Aug-12	Other: test pit	Other: Consulting Stage 2

7.0 OBSERVATIONS

Daily Field Notes: (For field Images see Section 11.0)

August 2, 2022

- Crew is Jacquie Fisher, Travis Hill, Jessica Linzel, myself, and the Mississaugas of the Credit FLR – Jodie Lovegrove
- Weather is cloudy and 19 degrees – heavy rain last night – temperature increased to 26 degrees
- GPS readings – centre of study area 79.20.20230 and 42.52.30569 – 0.7 metre accuracy reading; altitude 177.7 m ASL
- Mapping – set up instrument on the edge of the ditch on the curve of the road on north side very close to edge of ditch
- Established instrument position by shooting south to the telephone box – green box on the short road section that is south of Lakeshore. The telephone box was used as the site datum. Then shot again to the second telephone post along that section of road as measured from the east where it intersects Golf Course Road – this is the second eastern post – near the intersection of the west end of the short road and Lakeshore – the sighting was taken with the rod located 1.5 metres to the east of the telephone.
- IP-1 (Instrument position) - for general reference the point is located about 3.5 metres from the paved edge of the road on the north side of the ditch

	Bearing	Upper	Lower	Middle	Distance
Phone box	124°	2.165	1.815	1.900	35.0 m
Telephone pole	208°	2.269	1.818	2.046	45.1 m

- Shot in 158 artifact positions using bearing and distance from stadia rod
- Me – surveyed using transit; Jodie – recorded measurements; Travis – stadia rod
- Jess – bagged and labeled each artifact according to sequential numbers starting at 1 – these are keyed to the shots that I did with the transit
- -Jacquie – examined each artifact that was flagged during the survey and discarded those that were obviously till chert – may be others that will be discarded during analysis - worked in tandem with Jess
- Shot up to CSP81 on the eastern side of the strip that we surveyed parallel to the road
- Only 2 historic artifacts collected up to CSP81 – a sherd of ironstone – unmarked and a machine-cut spike – numbers 44 and 46? -everything else was lithic
- CSP 1 was the most distant near the cars at about 80 metres
- Walked the western section of the strip bordering the road in the afternoon – closely spaced transects – did four passes over this section spaced shoulder to shoulder
- Then surveyed in numbers CSP82 to CSP158 using same procedure as described above
- Finished at 5:00

August 3, 2022

- Weather today was 31 degrees with high humidity and no clouds

Observations:

- Mapped an additional 129 findspots – numbered sequentially from CSP159 to CSP287
- These were scattered throughout the survey area
- Instrument position was established by shooting to the phone box datum, the telephone and the Instrument Position 1 used yesterday – set a stake in the ground to mark this
- IP-2 for general reference this point is located about 50 metres from the paved edge of the road

	Bearing	Upper	Lower	Middle	Distance
Phone box	122	3.522	2.652	3.085	87.0 m
Telephone pole	160	3.245	2.545	2.850	70.0 m
IP-1	121.5	2.768	2.258	2.512	51.0 m

Concentration – Western Cluster – field term

Note - this is AfGu-56 registered by ARA 1990 – this is beyond the Study Area and on the adjoining property – no survey plan was available at time of August 2022 assessment and the area walked was the area that had been plowed by the proponent in late July 2022 - J. Triggs July 27, 2023

- There was a concentration at the western end of the Study Area – 2 bifaces – preforms - were found near the northwestern corner of the property – the plowed area – area measured about 17 metres east-west and 12 metres north south
- About 30 findspots in this area
- This may be the eastern side of the FS-5 area shown in the 1990 report – AfGu-56 – the estimated site size in that report was 500 square metres – found 200 debitage flakes along with cores, 2 bifaces and a projectile point base in 1990
- This is why the property line needs to be clarified by a proper survey – could be on adjoining property – (survey was done by owner and area was defined during field survey on July 27, 2023 – see below)
- Took GPS readings on the centre and 4 corners of the cluster – accuracy was +/- 0.70 metres
- See **Supplementary Documentation** document for location data

July 27, 2023

- On July 27th the remainder of the Study Area was assessed.
- This was a strip measuring about 50 m east-west by 4 metres north-south
- Weather was 23 degrees in morning to 26 by late morning, cloudy conditions
- No artifacts were recorded in the plowed strip

- Photographs were taken of the mowed and freshly plowed portion of the Study Area prepared on July 25 after providing instructions to the proponent on site

Survey Raw Data

IP number	CSP Number	Bearing	Upper	Lower	Middle	Calculated Distance
IP1	Telephone Box	124	2165	1815	1900	35.0
IP1	Telephone Pole	208	2269	1818	2046	45.1
IP1	1	37	2561	1769	2164	79.2
IP1	2	37	2410	1670	2044	74.0
IP1	3	37	2365	1660	2012	70.5
IP1	4	35	2185	1502	1845	68.3
IP1	5	36	2285	1603	1950	68.2
IP1	6	42.5	2342	1665	2002	67.7
IP1	7	39	2275	1649	1963	62.6
IP1	8	39	2264	1650	1958	61.4
IP1	9	39.5	2262	1668	1965	59.4
IP1	10	37.5	2281	1685	1985	59.6
IP1	11	36	2188	1582	1885	60.6
IP1	12	35	2102	1489	1798	61.3
IP1	13	32.5	2095	1450	1772	64.5
IP1	14	35.5	2138	1505	1825	63.3
IP1	15	35	2067	1482	1776	58.5
IP1	16	33	2002	1442	1722	56.0
IP1	17	35	2052	1505	1780	54.7
IP1	18	33	1975	1450	1715	52.5
IP1	19	38	2127	1595	1864	53.2
IP1	20	40	2110	1590	1850	52.0
IP1	21	42	2228	1662	1948	56.6
IP1	22	42	2235	1655	1945	58.0
IP1	23	39.5	2168	1602	1886	56.6
IP1	24	44	2187	1630	1912	55.7
IP1	25	44	2203	1662	1933	54.1
IP1	26	45.5	2129	1615	1876	51.4
IP1	27	44	2138	1629	1884	50.9
IP1	28	45	2105	1611	1859	49.4
IP1	29	42.5	2173	1665	1922	50.8
IP1	30	40	2080	1582	1832	49.8
IP1	31	31	1818	1359	1589	45.9
IP1	32	38	2012	1555	1784	45.7
IP1	33	40.5	2053	1582	1818	47.1
IP1	34	41	2045	1585	1815	46.0
IP1	35	44	1951	1490	1720	46.1
IP1	36	44.5	1895	1452	1675	44.3
IP1	37	43	1966	1538	1752	42.8

IP1	38	44.5	1915	1495	1705	42.0
IP1	39	43	1948	1538	1745	41.0
IP1	40	45	1895	1490	1695	40.5
IP1	41	38	1895	1469	1685	42.6
IP1	42	39	1938	1518	1728	42.0
IP1	43	40	1947	1520	1736	42.7
IP1	44	33	1828	1405	1617	42.3
IP1	45	26.5	1740	1320	1530	42.0
IP1	46	28	1730	1343	1537	38.7
IP1	47	32.5	1772	1375	1572	39.7
IP1	48	42	1853	1463	1659	39.0
IP1	49	45	1876	1487	1680	38.9
IP1	50	46	1882	1498	1696	38.4
IP1	51	46	1843	1515	1678	32.8
IP1	52	45.5	1738	1458	1602	28.0
IP1	53	40	1775	1485	1635	29.0
IP1	54	36.5	1705	1435	1570	27.0
IP1	55	25	1608	1288	1448	32.0
IP1	56	20.5	1561	1258	1411	30.3
IP1	57	24.5	1543	1255	1400	28.8
IP1	58	19	1505	1222	1365	28.3
IP1	59	14.5	1608	1299	1454	30.9
IP1	60	7.5	1503	1223	1364	28.0
IP1	61	9	1513	1243	1378	27.0
IP1	62	11.5	1449	1219	1344	23.0
IP1	63	30.5	1637	1410	1525	22.7
IP1	64	30	1603	1386	1496	21.7
IP1	65	33.5	1620	1402	1510	21.8
IP1	66	34	1603	1425	1515	17.8
IP1	67	42	1572	1385	1480	18.7
IP1	68	6.5	1525	1368	1448	15.7
IP1	69	1	1378	1198	1288	18.0
IP1	70	354	1535	1317	1427	21.8
IP1	71	352	1560	1350	1455	21.0
IP1	72	343	1378	1148	1264	23.0
IP1	73	356	1355	1105	1230	25.0
IP1	74	358	1392	1138	1266	25.4
IP1	75	347.5	1340	1165	1255	17.5
IP1	76	350	1358	1194	1277	16.4
IP1	77	345	1255	1105	1182	15.0
IP1	78	9.5	1492	1372	1434	12.0

IP1	79	3	1492	1385	1438	10.7
IP1	80	358	1295	1199	1248	9.6
IP1	81	30	1423	1335	1378	8.8
IP1	82	338	1410	1238	1326	17.2
IP1	83	330	1347	1138	1245	20.9
IP1	84	320	1368	1104	1285	26.4
IP1	85	328	1347	1195	1272	15.2
IP1	86	307	1395	1169	1282	22.6
IP1	87	295	1462	1275	1370	18.7
IP1	88	289	1366	1196	1285	17.0
IP1	89	286	1455	1150	1305	30.5
IP1	90	298.5	1456	1074	1265	38.2
IP1	91	274	1678	1364	1520	31.4
IP1	92	271	1543	1234	1389	30.9
IP1	93	271	1486	1190	1340	29.6
IP1	94	271	1416	1141	1280	27.5
IP1	95	268.5	1492	1216	1355	27.6
IP1	96	265	1515	1235	1375	28.0
IP1	97	282	1604	1200	1404	40.4
IP1	98	267	1503	1183	1343	32.0
IP1	99	262.5	1665	1318	1493	34.7
IP1	100	274	1595	1232	1415	36.3
IP1	101	276	1555	1205	1380	35.0
IP1	102	276	1555	1178	1362	37.7
IP1	103	277.5	1535	1088	1314	44.7
IP1	104	265.5	1695	1281	1490	41.4
IP1	105	265.5	1532	1100	1324	43.2
IP1	106	260	1823	1390	1608	43.3
IP1	107	249.5	1744	1442	1594	30.2
IP1	108	250	1753	1272	1513	48.1
IP1	109	252.5	1771	1281	1528	49.0
IP1	110	254	1795	1278	1535	51.7
IP1	111	263	1710	1210	1460	50.0
IP1	112	265	1715	1215	1465	50.0
IP1	113	268	1725	1205	1465	52.0
IP1	114	267.5	1660	1110	1390	55.0
IP1	115	260.5	1872	1318	1600	55.4
IP1	116	261.5	1860	1300	1580	56.0
IP1	117	262	1810	1243	1527	56.7
IP1	118	263	1805	1232	1522	57.3
IP1	119	264	1800	1210	1505	59.0

IP1	120	266.5	1600	1000	1300	60.0
IP1	121	274	1800	1130	1465	67.0
IP1	122	272	1771	1066	1422	70.5
IP1	123	266	1742	1088	1418	65.4
IP1	124	264	1825	1185	1505	64.0
IP1	125	258.5	1950	1330	1645	62.0
IP1	126	249.5	1770	1205	1488	56.5
IP1	127	254	1860	1285	1575	57.5
IP1	128	250	1758	1180	1470	57.8
IP1	129	253	1785	1085	1435	70.0
IP1	130	254	1825	1120	1475	70.5
IP1	131	258	1725	1285	1505	44.0
IP1	132	260.5	1710	1248	1480	46.2
IP1	133	257.5	1828	1162	1500	66.6
IP1	134	256	1828	1045	1430	78.3
IP1	135	257	1825	1005	1420	82.0
IP1	136	264	1825	1065	1445	76.0
IP1	137	268	1755	1025	1402	73.0
IP1	138	267	1895	1095	1500	80.0
IP1	139	269	1945	1110	1520	83.5
IP1	140	269	1990	1110	1550	88.0
IP1	141	267	1890	1022	1455	86.8
IP1	142	265.5	1870	1010	1442	86.0
IP1	143	265	1950	1090	1525	86.0
IP1	144	265.5	1885	1035	1465	85.0
IP1	145	263.5	1905	1070	1490	83.5
IP1	146	259.5	2090		1655	87.0
IP1	147	259.5	2150	1260	1710	89.0
IP1	148	261	2075	1160	1625	91.5
IP1	149	262	2080	1140	1615	94.0
IP1	150	260	2180	1235	1715	94.5
IP1	151	261	2130	1170	1655	96.0
IP1	152	262	2065	1100	1585	96.5
IP1	153	260	2320	1320	1825	100.0
IP1	154	259.5	2100	1075	1585	102.5
IP1	155	262.5	2050	1025	1545	102.5
IP1	156	266	2170	1170	1660	100.0
IP1	157	267.5	2130	1140	1635	99.0
IP1	158	266	2035	1060	1555	97.5
IP2	Telephone Box	122	3522	2652	3085	87.0
IP2	Telephone Pole	160	3245	2545	2850	70.0

IP2	IP1	121.5	2768	2258	2512	51.0
IP2	159	69	3080	2300	2690	78.0
IP2	160	65	2845		2490	71.0
IP2	161	67	4230		3905	65.0
IP2	162	71	2410	1910	2160	50.0
IP2	163	95	2105	1785	1945	32.0
IP2	164	63	2025	1665	1845	36.0
IP2	165	43.5	2200	1809	2005	39.1
IP2	166	45.5	2185	1785	1985	40.0
IP2	167	41.5	2219	1805	2018	41.4
IP2	168	38	2192	1722	1955	47.0
IP2	169	39.5	2222	1735	1983	48.7
IP2	170	42	2165	1688	1925	47.7
IP2	171	43.5	2220	1752	1985	46.8
IP2	172	45	2222	1732	1978	49.0
IP2	173	51.5	3018		2788	46.0
IP2	174	54	2885		2602	56.6
IP2	175	53	3702		3410	58.4
IP2	176	54	3005		2700	61.0
IP2	177	57	3009		2702	61.4
IP2	178	28	2072	1632	1853	44.0
IP2	179	31	4190		4000	38.0
IP2	180	26	1889	1300		58.9
IP2	181	37	1919	1617	1769	30.2
IP2	182	45	2019	1709	1865	31.0
IP2	183	50	1928	1635	1783	29.3
IP2	184	52	1915	1665	1788	25.0
IP2	185	61.5	2005	1765	1885	24.0
IP2	186	89	1863	1658	1763	20.5
IP2	187	101.5	1945	1725	1835	22.0
IP2	188	105	1939	1734	1837	20.5
IP2	189	102	1860	1670	1765	19.0
IP2	190	91	1763	1605	1685	15.8
IP2	191	93.5	1700	1550	1628	15.0
IP2	192	67	1788	1632	1712	15.6
IP2	193	118	1737	1602	1668	13.5
IP2	193.1	98	1689	1592	1642	9.7
IP2	194	128.5	1760	1643	1703	11.7
IP2	195	114.5	1650	1585	1617	6.5
IP2	196	98	1600	1548	1568	5.2
IP2	197	175	1636	1597	1617	3.9

IP2	198	356	1645	1508	1575	13.7
IP2	199	16.5	1675	1533	1605	14.2
IP2	200	9	1603	1433	1518	17.0
IP2	201	17	1663	1450	1557	21.3
IP2	202	25	1915	1665	1790	25.0
IP2	203	6	1838	1532	1685	30.6
IP2	204	356	1830	1546	1690	28.4
IP2	205	4	1760	1522	1643	23.8
IP2	206	352	1782	1475	1629	30.7
IP2	207	350	1756	1480	1620	27.6
IP2	208	344.5	1813	1510	1662	30.3
IP2	209	343.5	1745	1428	1588	31.7
IP2	210	344	1705	1369	1538	33.6
IP2	211	343	1712	1257	1485	45.5
IP2	212	337	1665	1322	1496	34.3
IP2	213	330	1692	1328	1511	36.4
IP2	214	309	1626	1379	1505	24.7
IP2	215	317	1655	1475	1565	18.0
IP2	216	336	1595	1465	1530	13.0
IP2	217	317	1548	1465	1508	8.3
IP2	218	240.5	1538	1427	1484	11.1
IP2	219	222	1604	1504	1556	10.0
IP2	220	212	1716	1585	1652	13.1
IP2	221	238	1661	1513	1588	14.8
IP2	222	247	1613	1453	1533	16.0
IP2	223	257	1629	1441	1536	18.8
IP2	224	270	1677	1490	1584	18.7
IP2	225	262	1578	1372	1475	20.6
IP2	226	274	1683	1453	1555	23.0
IP2	227	256	1659	1429	1545	23.0
IP2	228	247	1538	1468	1503	7.0
IP2	229	260	1750	1428	1590	32.2
IP2	230	264	1735	1390	1565	34.5
IP2	231	272	1745	1373	1560	37.2
IP2	232	274	1655	1328	1493	32.7
IP2	233	273	1662	1373	1517	28.9
IP2	234	281	1607	1353	1483	25.4
IP2	235	284.5	1548	1290	1422	25.8
IP2	236	279	1700	1363	1530	33.7
IP2	237	283	1635	1279	1455	35.6
IP2	238	279	1745	1338	1543	40.7

IP2	239	292.5	1712	1285	1500	42.7
IP2	240	294	1675	1225	1450	45.0
IP2	241	290.5	1748	1272	1510	47.6
IP2	242	306	1428	1126	1280	30.2
IP2	243	310	1653	1268	1463	38.5
IP2	244	305	1820	1380	1600	44.0
IP2	245	325.5	1695	1295	1495	40.0
IP2	246	321	1846	1304	1575	54.2
IP2	247	300	4340	3752	4062	58.8
IP2	248	281.5	1792	1320	1556	47.2
IP2	249	280	1775	1327	1550	44.8
IP2	250	278	1868	1419	1645	44.9
IP2	251	263.5	1865	1385	1625	48.0
IP2	252	263.5	1945	1425	1685	52.0
IP2	253	264	1968	1372	1670	59.6
IP2	254	265	1925	1298	1612	62.7
IP2	255	271	1995	1338	1665	65.7
IP2	256	271.5	1926	1313	1622	61.3
IP2	257	274.5	1922	1278	1604	64.4
IP2	258	275.5	1918	1282	1600	63.6
IP2	259	276	1951	1329	1642	62.2
IP2	260	276	1898	1285	1588	61.3
IP2	261	275.5	1890	1305	1600	58.5
IP2	262	276	1853	1296	1575	55.7
IP2	263	277.5	1950	1390	1670	56.0
IP2	264	282	1862	1350	1605	51.2
IP2	265	280	1880	1300	1585	58.0
IP2	266	280.5	1875	1280	1579	59.5
IP2	267	279.5	1885	1285	1585	60.0
IP2	268	278	1875	1245	1600	63.0
IP2	269	278	1832	1202	1520	63.0
IP2	270	276	1915	1265	1585	65.0
IP2	271	278.5	1885	1245	1567	64.0
IP2	272	279.5	1925	1284	1606	64.1
IP2	273	279	1905	1250	1580	65.5
IP2	274	283	1948	1318	1632	63.0
IP2	275	284		1350	1655	61.0
IP2	276	283.5	1945	1348	1647	59.7
IP2	277	280	1925	1263	1595	66.2
IP2	278	279	1865	1195	1530	67.0
IP2	279	279.5	1922	1245	1585	67.7

IP2	280	281	2035	1335	1685	70.0
IP2	281	277.5	1995	1328	1663	66.7
IP2	282	276	1863	1191	1525	67.2
IP2	283	275.5	1868	1202	1532	66.6
IP2	284	275	1862	1172	1517	69.0
IP2	285	277	1932	1232	1582	70.0
IP2	286	277	1912	1202	1555	71.0
IP2	287	276	1885	1165	1525	72.0

8.0 RECORD OF FINDS

General Comments on the Artifact Assemblage

The majority of artifacts recovered were lithics, n=194. These are found scattered across the Study Area, without concentration, except in the western part of the area (Figure 14). Here, the recovery of two undiagnostic biface fragments – preforms - and various types of debitage and flakes in a concentrated distribution suggests an activity area (Figure 15). This area corresponds to site AfGu-56 – Findspot 5 (ARA 1990). After obtaining an official survey of the property, it was evident that the

concentration is outside the limits of the Study Area and is located on the adjoining property. Most of the lithics are Onondaga chert with a small number of Haldimand chert. Lithics are further analysed below.

Historic Period artifacts total 33 and consist mostly of ceramics with some container glass. The items are widely distributed and are most likely in a secondary context. These are described below and are shown in the facing table.

Historic Period Artifacts

Euro-Canadian artifacts total 33 and include ceramics, glass and a single nail. Of the ceramics the most common are late 19th century types such as porcelainous stoneware (1870-1900s) and refined white earthenware with various types of decoration. Taken together, the assemblage dates from the last quarter of the 19th century to the early 20th century. The container glass also supports that date. A single piece of lamp chimney glass reflects the only 'furniture' item. The material is widely distributed across the Study Area. The absence of window glass and only a single iron spike indicates that the debris is

Euro-Canadian Artifacts	
Sub-types	Freq
Ceramic	26
burnt, unrecognizable	1
holloware; floral decal	2
Ironstone, tableware, undecorated	1
plate; RWE; "Bar...England 8"	2
porcelaineous, white	3
porcelaineous, white undecorated	5
porcelaineous, white, moulded	2
RWE white, undecorated	1
RWE, industrial slipware	1
RWE, mint green glaze; tableware	1
RWE, plain; holloware; rim	2
RWE, white undecorated	2
slightly burnt, RWE some blue colour	1
VWE, holloware	1
white, undecorated; VWE; lid rim	1
Ferrous	1
cut, iron spike	1
Glass	6
base of bottle; olive green; push up	1
chimney glass, clear	1
clear container glass	1
cobalt blue bottle glass	1
Mason jar rim; moulded (post 1905)	1
Mason jar shoulder	1
Grand Total	33

not associated with a demolished dwelling in a specific location on the Study Area but is instead scatter in secondary context.

Type: Lithics		
Lithic Subtypes	Freq	%
Biface	3	1.5
preform	(2)	
Preform tip	(1)	
Bipolar	1	0.5
wedge	(1)	
Core	9	4.6
random	(9)	
Debitage	180	92.8
fragment	(84)	
initial	(33)	
potlid	(3)	
primary	(6)	
secondary	(6)	
shatter	(7)	
thinning	(32)	
trimming	(9)	
Utilized Flake	1	0.5
microscraper	(1)	
Grand Total	194	100.0

Lithics

A total of 287 findspots, representing 353 objects, were plotted including 33 historic period items (Figure 14). During analysis 37 pieces of chert were identified as till chert. A further 89 lithics were discarded during analysis as these did not display definite characteristics of human agency. All were collected as possibledebitage during the CSP. About half of the discarded items were fragments of till chert and shatter. These were widely scattered across the Study Area. Figure 15 shows the distribution of findspots, representing all lithicdebitage produced by human agency. Till chert and non-artifacts have been removed from the distribution plot. Within the Study Area the distribution is without clusters which would indicate concentrated activity. The cluster that was identified in the western edge of the area surveyed is

Discard after analysis	
Lithic Subtypes	Freq.
Debitage?	89
fragment	42
initial	2
potlid	3
shatter	42
Grand Total	89

located on the adjacent property and is outside of the Study Area. This is the site recorded by ARA in 1990, AfGu-56.

Of the 194 positively identified lithics, 92.8% aredebitage representing various stages of lithic reduction. Almost half of thedebitage are fragments of no diagnostic value, but the presence of primary, secondary and tertiary (thinning/trimming) reduction sequence pieces indicate that the Study Area is a location where raw material was worked to produce tools. Excepting the western part of the Study Area where there is a concentration ofdebitage and 2 preforms associated with the registered site, AfGu-56, the widespread distribution of material across the Study Area suggests that it is a palimpsest accumulated over centuries. One preform tip, a wedge, a core and a single utilized flake make up the remainder of the assemblage. No diagnostic lithics were found to provide a specific date or cultural affiliation for the assemblage. In no parts of the Study Area does the concentration of these items exceed 10 per 10 x 10 metre square area.

9.0 SUMMARY AND ANALYSIS

The Stage 1 assessment determined that there was archaeological potential in the Study Area. This conclusion was based on the historical background of the site, its physiographic setting, close to a water source (Lake Erie), and the proximity of 15 registered archaeological sites, one of which is located on the subject property.

The context of historic period settlement for the site is significant as it dates to the early period of settlement for the township. The Fares (Faris) family, who resided in a 1 ½ story log cabin from as early as 1828 to the 1890s, represent one of the early settler families in the region arriving from the United States after the War of 1812. No evidence was found of the log cabin documented in the 1861 census, as described in the Stage 1 report. Historic period artifacts that were found date to the latter part of the 19th century and into the 20th century. These historic period artifacts are without Cultural Heritage Value or Interest.

The Stage 2 assessment also resulted in the recovery and mapping of 194 pieces of chert debitage. In the western part of the plowed field, outside of the Study Area, a concentration of debitage and 2 preforms were plotted. This area was determined to be outside the property limits after an official survey was forwarded to the license holder in June 2023, more than 10 months after the initial assessment in August 2022. The concentration is the registered site AfGu-56, recorded by ARA in 1990. Another findspot registered as AfGu-53 by ARA in 1990, is located in the Study Area. No additional concentrations of debitage were found in the area mapped by ARA for AfGu-53. Chert debitage is widely distributed in the remainder of the Study Area, with no areas of concentration exceeding 10 pieces of nondiagnostic within a 10 x 10 metre area. The debitage found throughout the area appears to be a palimpsest of material reflecting lithic procurement, initial working, and later stages of working occurring over a long period of time. The lack of concentrations reflecting activity areas, and the absence of diagnostic lithics, means that the finds do not have sufficient Cultural Heritage Value or Interest to proceed to a Stage 3 assessment.

10.0 RECOMMENDATIONS

The pedestrian survey of the Study Area was carried out according to the Standards and Guidelines for Consultant Archaeologists, Section 2.1.1.

Standards

6. *Actively or recently cultivated land must be subject to pedestrian survey.*
7. *Land to be surveyed must be recently ploughed. Use of chisel ploughs is not acceptable. In heavy clay soils ensure furrows are disked after ploughing to break them up further.*
8. *Land to be surveyed must be weathered by one heavy rainfall or several light rains to improve visibility of archaeological resources.*
9. *Provide direction to the contractor undertaking the ploughing to plough deep enough to provide total topsoil exposure, but not deeper than previous ploughing.*
10. *At least 80% of the ploughed ground surface must be visible. If visibility is below 80% (e.g., due to crop stubble, weeds, young crop growth), ensure the land is re-ploughed and weathered before surveying.*

Further, the Study Area shown on Figure 15 was assessed by pedestrian survey following the above sections in Standards and Guidelines, as well as standards under sub-sections under 2.1, namely 2.1.6, 2.1.7, 2.1.8, and 2.1.9, all of which concern field methodology. Due to the presence of artifacts, survey intervals were spaced 5 metres apart initially and then reduced to 1 m, or shoulder-to-shoulder coverage.

The assessment documented 194 pieces of debitage in a widely distributed pattern with no evident concentrations and no diagnostic artifacts.

According to the Standards and Guidelines for Consultant Archaeologists, Section 2.2, *Determining the requirement for Stage 3 assessment*, archaeological resources must have cultural heritage value or interest to meet the definition of artifact or archaeological site under the Ontario Heritage Act. Archaeological resources meeting the criteria below meet these definitions and require a Stage 3 assessment. If archaeological resources do not meet these criteria, they do not have cultural heritage value or interest and or the cultural heritage value or interest has been sufficiently assessed and documented in Stage 2.

Standard 1, criteria used to determine if a Stage 3 assessment is required are:

- a. precontact diagnostic artifacts or a concentration of artifacts (or both)
 - i within a 10 m by 10 m pedestrian survey area
 - (3) in areas on or west of the Niagara escarpment, at least 10 non-diagnostic artifacts

Under the Ontario Heritage Act, Ontario Regulation 170/04 the definition of an “archaeological site” means 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; the definition of an “artifact” means any object,

material or substance that is made, modified, used, deposited or affected by human action and is of cultural heritage value or interest;

<https://www.canlii.org/en/on/laws/regu/o-reg-170-04/latest/o-reg-170-04.html>

Based on the above, **it is recommended that the entire Study Area, as shown on Figure 13 be cleared of further archaeological concern.** The findings do not meet the criteria for a Stage 3 assessment, and it is the opinion of the license holder that the Study Area has been sufficiently assessed for Cultural Heritage Value or Interest in the Stage 2 assessment.

A concentration of artifacts found on the western edge of the area assessed is attributed to the registered site AfGu-56, (Findspot 5) assessed by ARA in 1990 (see Figures 11, 12). This site is situated beyond the limits of the current Study Area. In this location a concentration of non-diagnostic artifacts and 2 preforms were mapped and are shown on Figure 13. **Recommendations are that this area has CHVI and should be subject to a Stage 3 assessment** according to the Standards and Guidelines (Section 3.2.2) if any future development will impact the area outlined on Figure 13.

Excepting a couple of pieces of undiagnostic debitage no further evidence was found of the other site registered by ARA in 1990 as Findspot 1 (AfGu-53) (see Figures 11, 12). **Recommendations are that the area mapped as Findspot 1 does not have CHVI and should be cleared of any further archaeological concern.** The area has been surveyed extensively on 1 metre transects during this assessment and no further evidence of the site registered as AfGu-53 was found.

Additional Comments

Should development occur outside the project area shown on Figure 13 these areas would require an additional Stage 2 Archaeological Assessment.

11.0 ADVICE ON COMPLIANCE WITH LEGISLATION

The following statements are required by MTC (2011) to be included in reports of archaeological assessments:

- This report is submitted to the Minister of Tourism and Culture 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 Ministry of Tourism and Culture, 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 Archaeological 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.
- The Cemeteries Act, R.S.O. 1990 c. C.4 and the Funeral, Burial and Cremation Services Act, 2002, S.O. 2002, c.33 (when proclaimed in force) require that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Consumer Services.
- Standards:

2. 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.

12.0 REFERENCES CITED

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Township of Wainfleet

2015 [History - Wainfleet](#)

Williamson, Ronald F., Shaun J. Austin and David A. Robertson

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Primary Historical Sources

1934-2017 Aerial photographs Google Earth Imagery.

13.0 FIELD IMAGES



Image 1 View looking southwest showing middle ground of Study Area.



Image 2 View looking north showing middle ground of Study Area.



Image 3 View looking southeast showing middle ground of Study Area.



Image 4 View looking east showing plowing up to property line parallel to road.



Image 5 View looking west showing plowing parallel to road along property line.



Image 6 View looking north showing plowing beyond property line and Study Area limits (red arrow), west end.



Image 7 View looking north showing plowing beyond property line and Study Area limits. Person in background left is on adjoining property close to AfGu-56.



Image 8 View looking southwest from eastern end of Study Area showing plowed Study Area.



Image 9 View looking west showing mid-section of Study Area. North border of Study Area on right.



Image 10 View looking west down middle of Study Area. Southwest corner at left and northeast corner at right.



Image 11 View looking southeast showing IP-2 in middle of Study Area with Telephone box used as datum in distance indicated; and telephone pole used for establishing IP-2.



Image 12 View looking northeast showing IP-2 and flags indicating CSPs in process of being mapped.

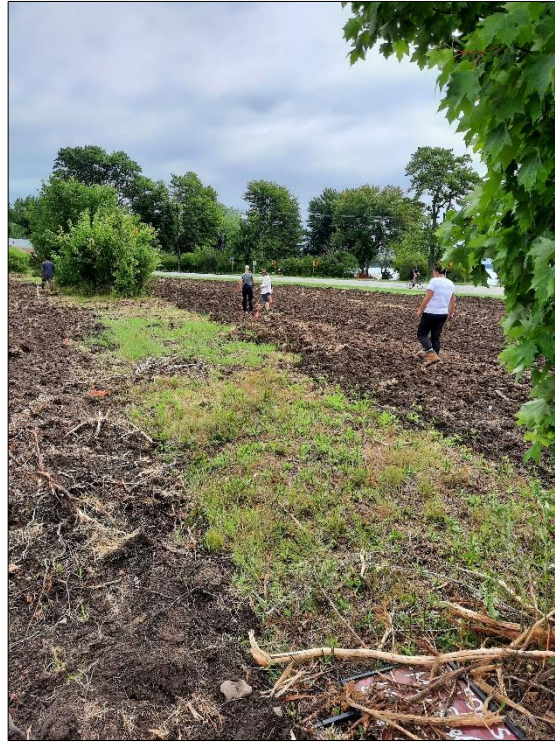


Image 13 View looking southeast showing areas requiring additional plowing, August 2022.



Image 14 View looking west down middle of section plowed on July 25, 2023. Study Area assessed in August 2022 has been mowed.

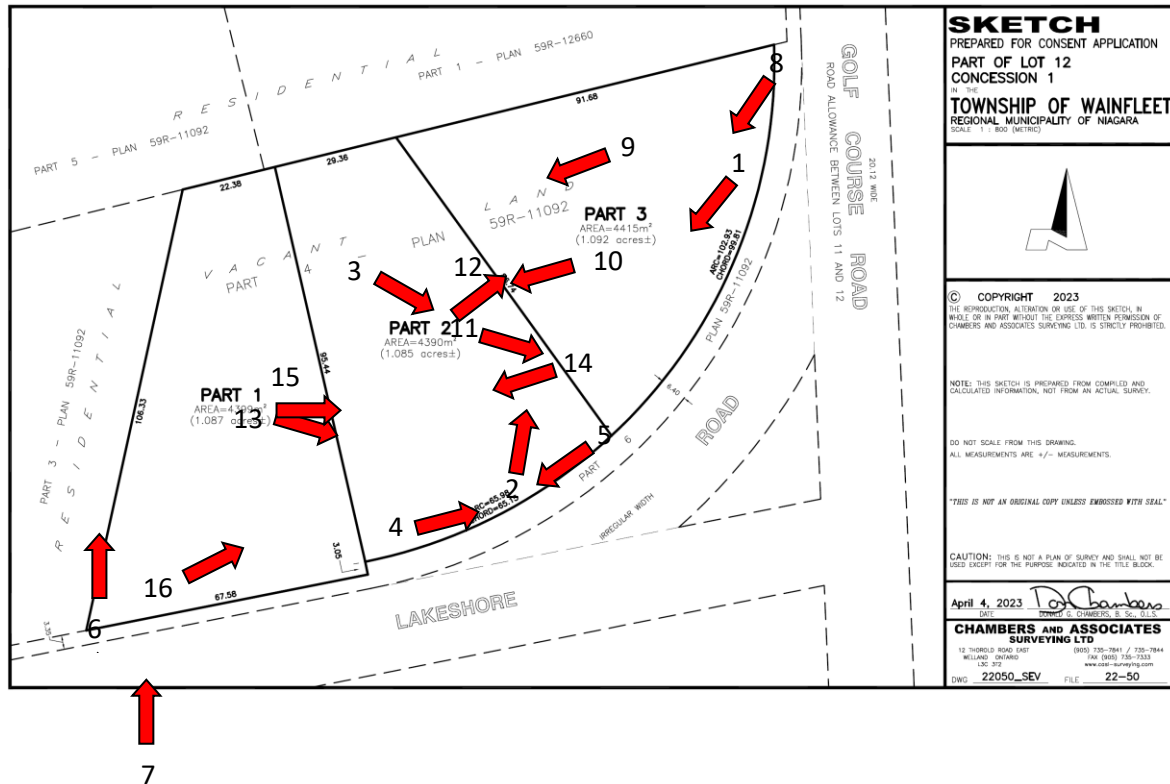


Image 15 View looking east showing area plowed on July 25, 2023, and assessed on July 27, 2023.

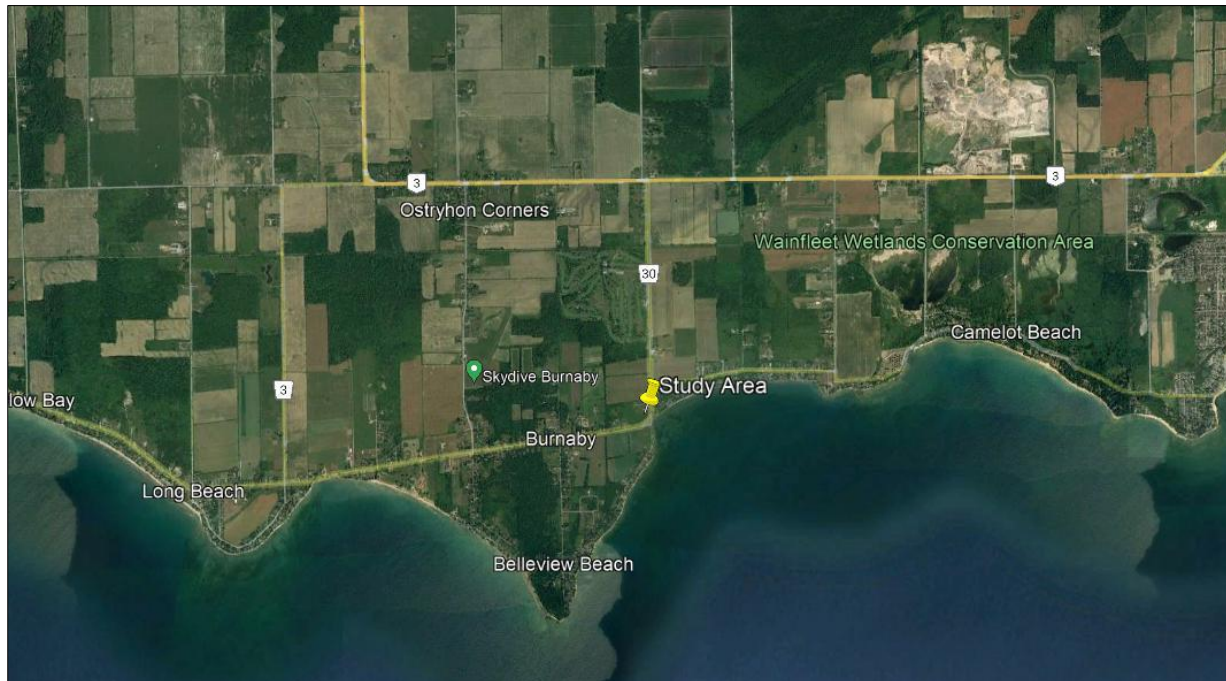


Image 16 View looking northeast showing section plowed on July 25, 2023 and assessed on July 27 within the context of the larger Study Area.

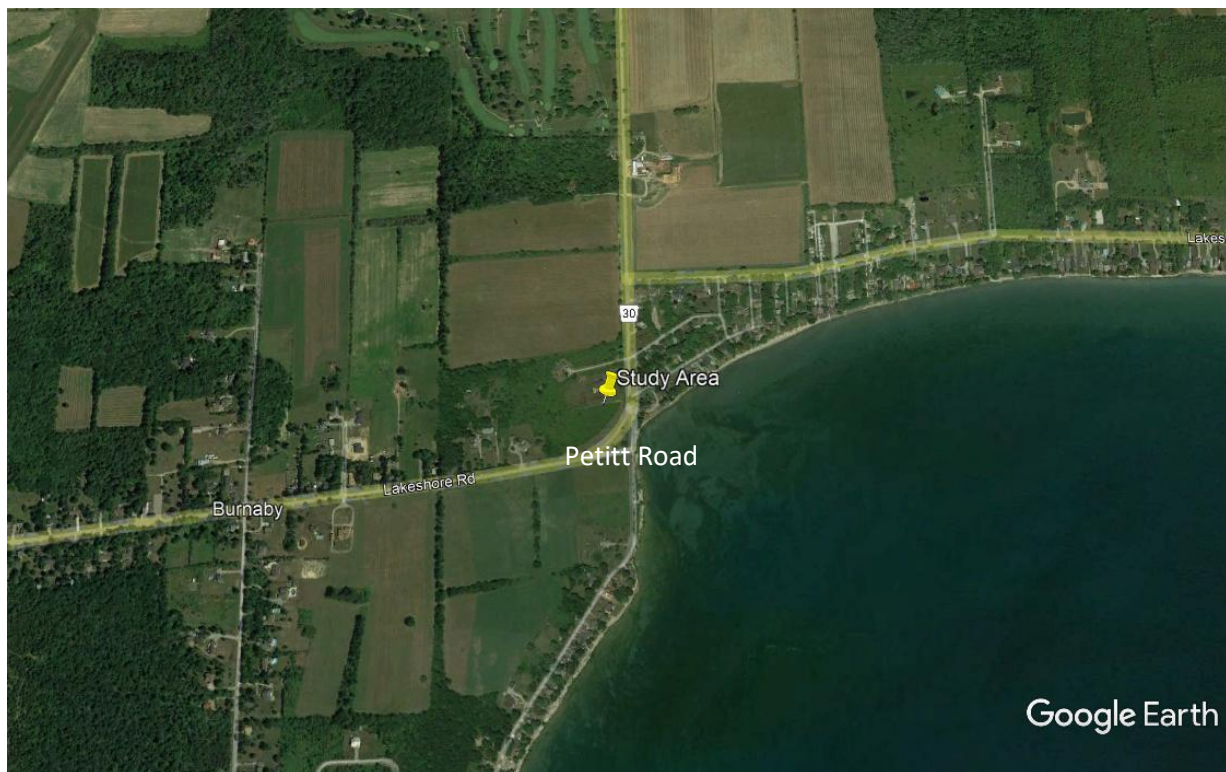
Photo Key



14.0 FIGURES



Figures 1 and 2 Google Earth images (2018) showing study area in Wainfleet Township. Image below shows Study Area north of Lakeshore Road and west of Golf Course Road (Hwy 30).



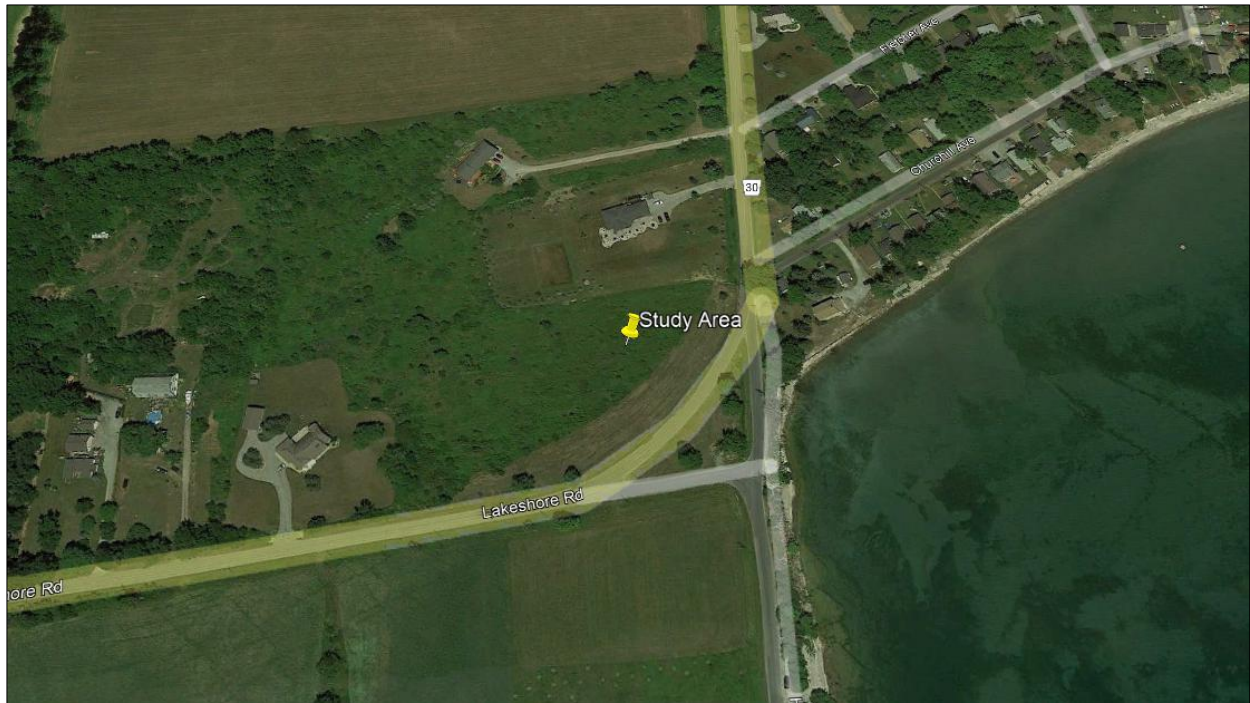


Figure 3 Google Earth view July 2018 showing Study Area, partially plowed and mowed.

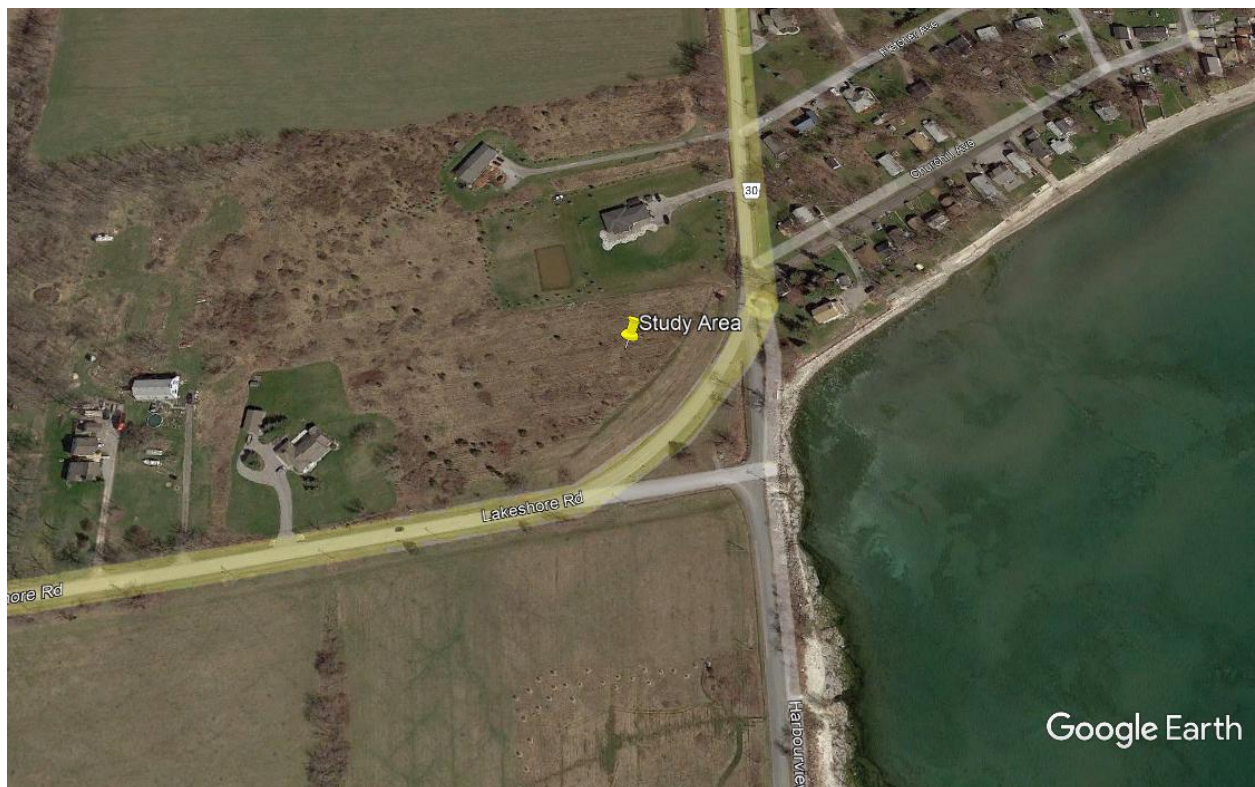
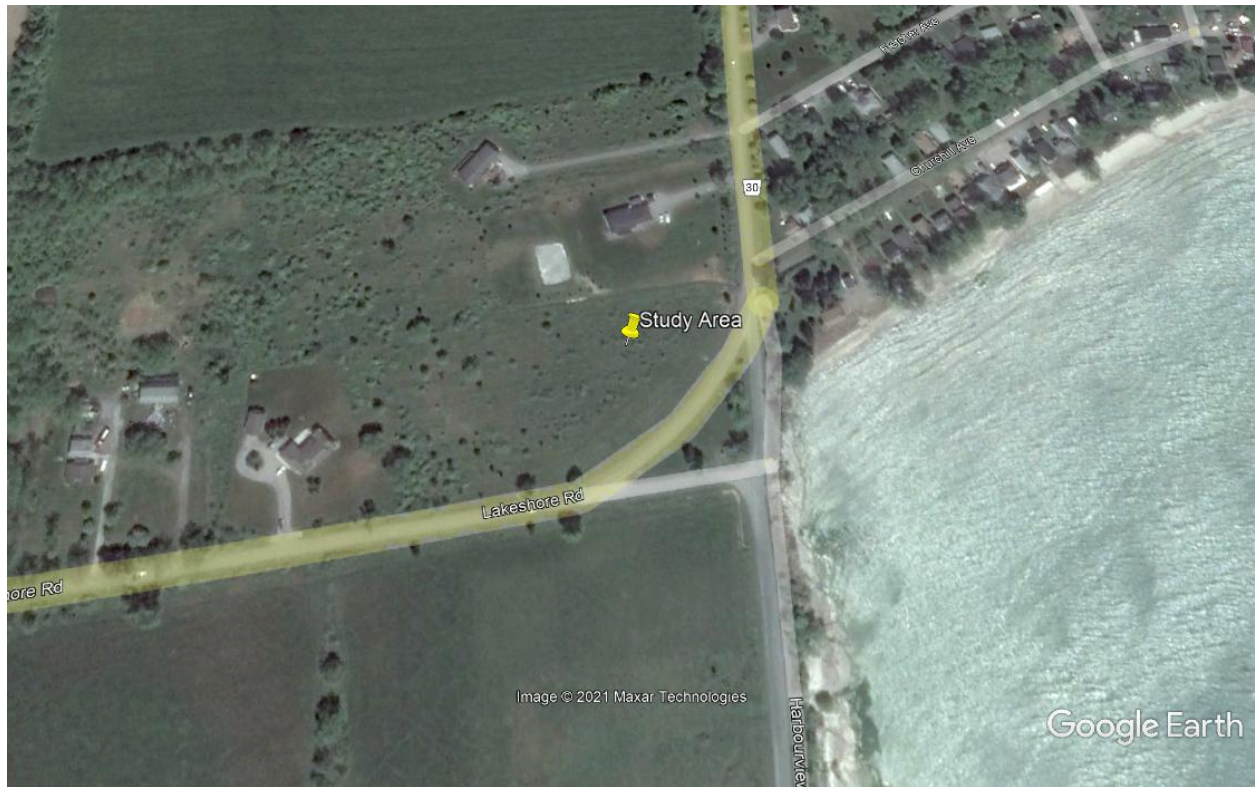


Figure 4 Google Earth view April 2017 showing Study Area plowed.



Figures 5 and 6 Google Earth view May 2015 (above) and June 2006 (below) showing Study Area in fallow state.

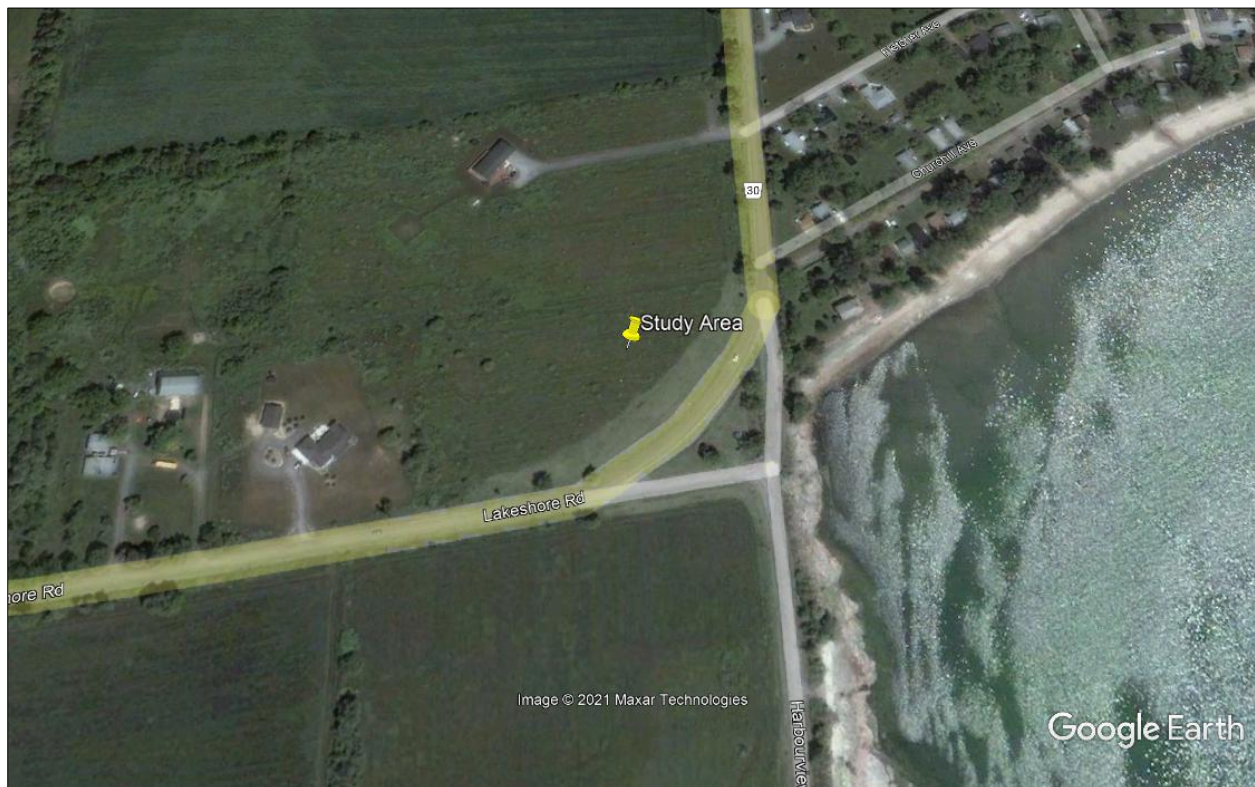




Figure 7 Topographic map, 1:50,000, showing Study Area in Wainfleet Township.

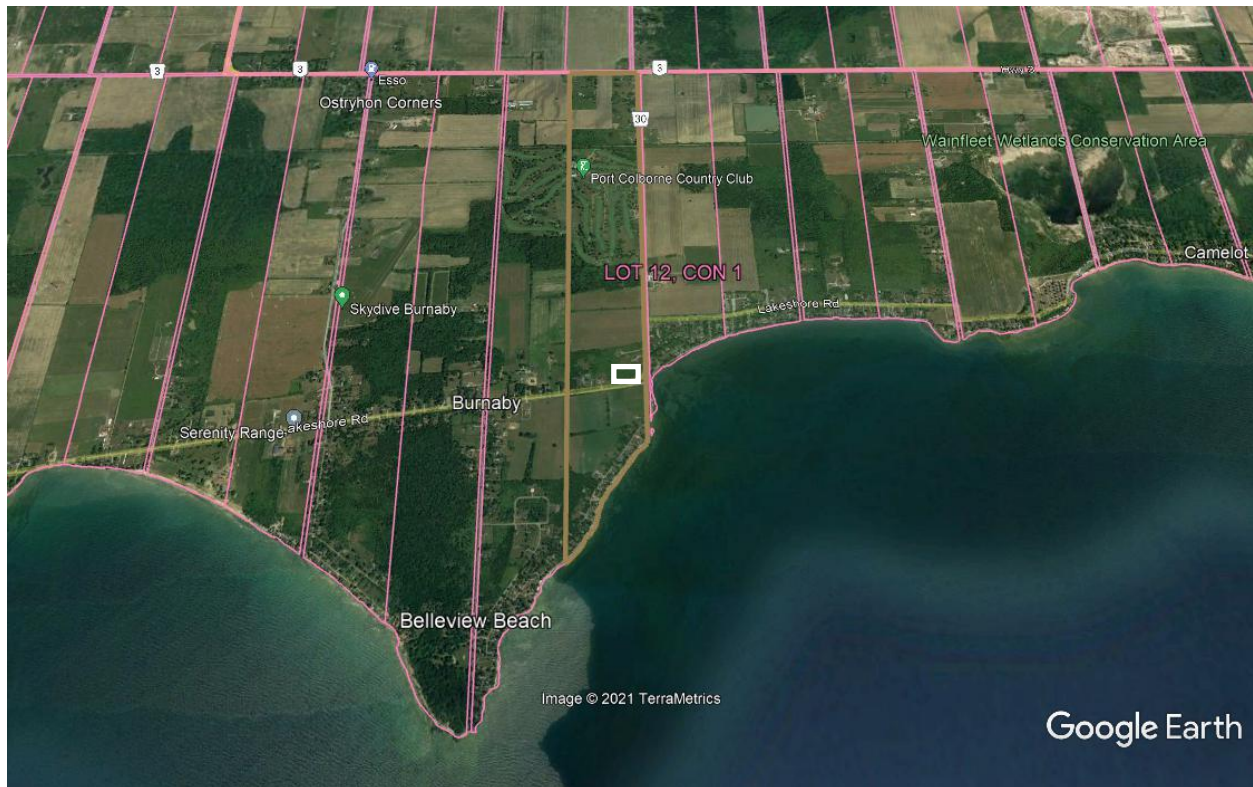


Figure 8 Google Earth image showing lot and concession boundaries. Rectangle indicates Study Area.



Figure 9 1934 aerial photo from Google Earth Pro with detail showing Study Area in plowed state. Current road alignment in yellow highlighter.



Figure 10 Study Area showing boundaries for recommended pedestrian survey -Stage 2 assessment. The study area is approximately 1.34 ha in size and includes all the area bounded by the blue lines. Courtesy of proponent July 2022.

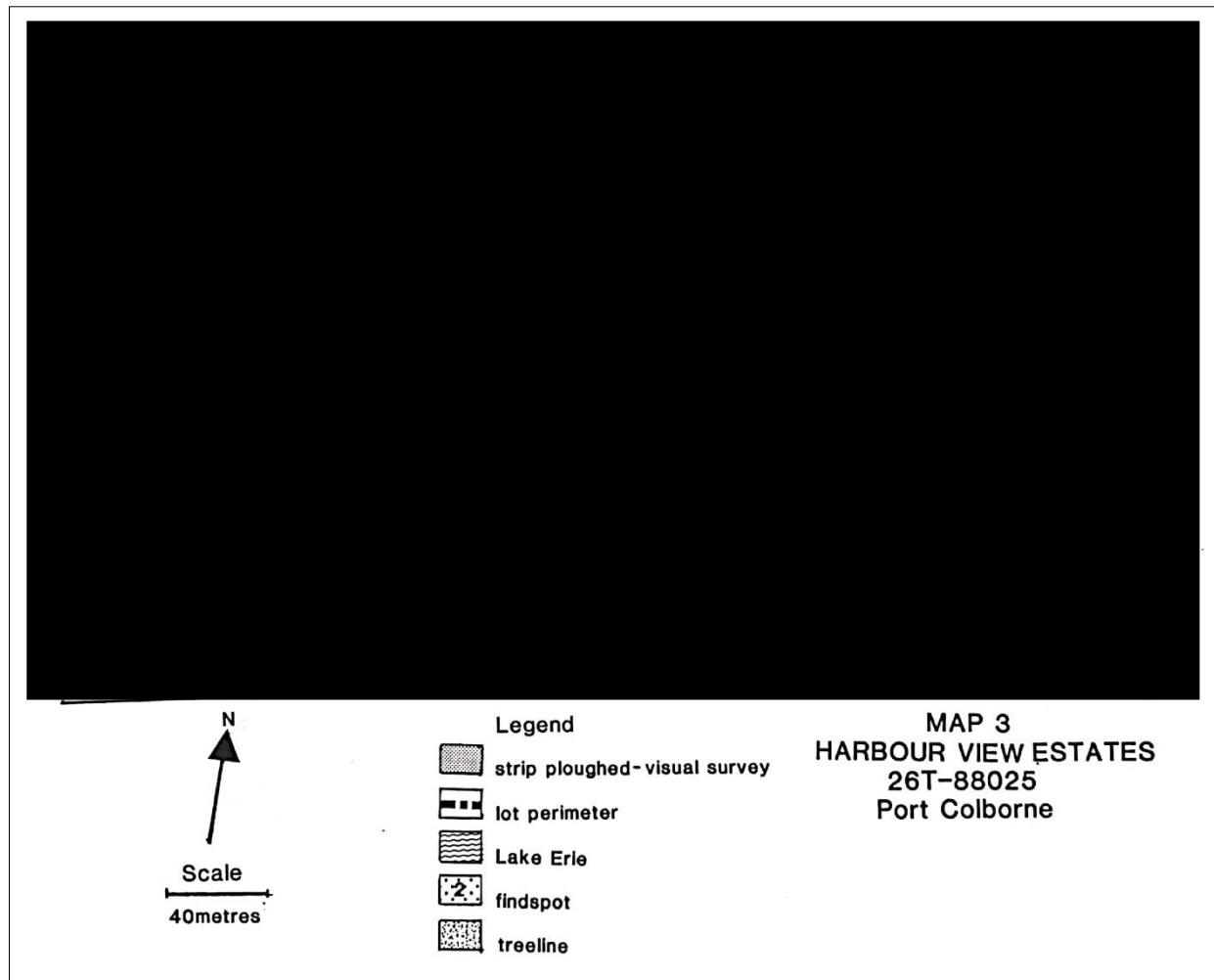
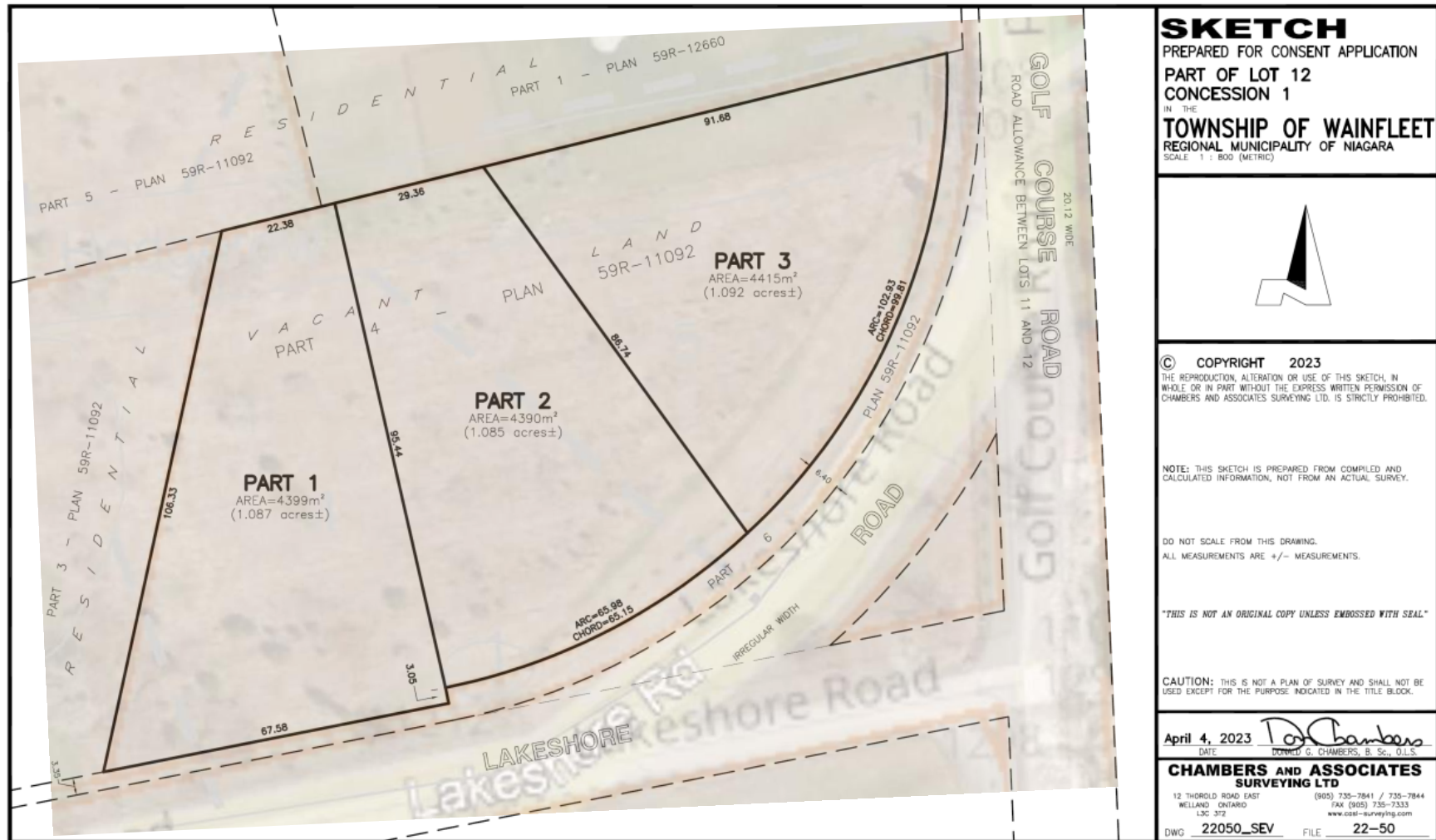


Figure 11 Plan from ARA 1990 report showing sites found during Stage 2 Pedestrian survey. The current assessment includes the approximate area encompassed by lots 4 and 5 above. Note – site location information redacted and included in separate submission with report.



Figure 12 Overlay of plan from ARA 1990 report showing current study area (yellow lines) and Lots 4 and 5 as indicated in 1990. Yellow shading shows AfGu-53 (in Study Area) and AfGu-56 (outside of Study Area to west).
Note – site location information redacted and included in separate submission with report.

Figure 13 Survey of property showing Study Area with Google Earth image in background. The recommendation of the Stage 2 assesment is to clear Parts 1, 2, 3 (below) of further archaeological concern. CHVI has been sufficiently assessed during the Stage 2 for this area.



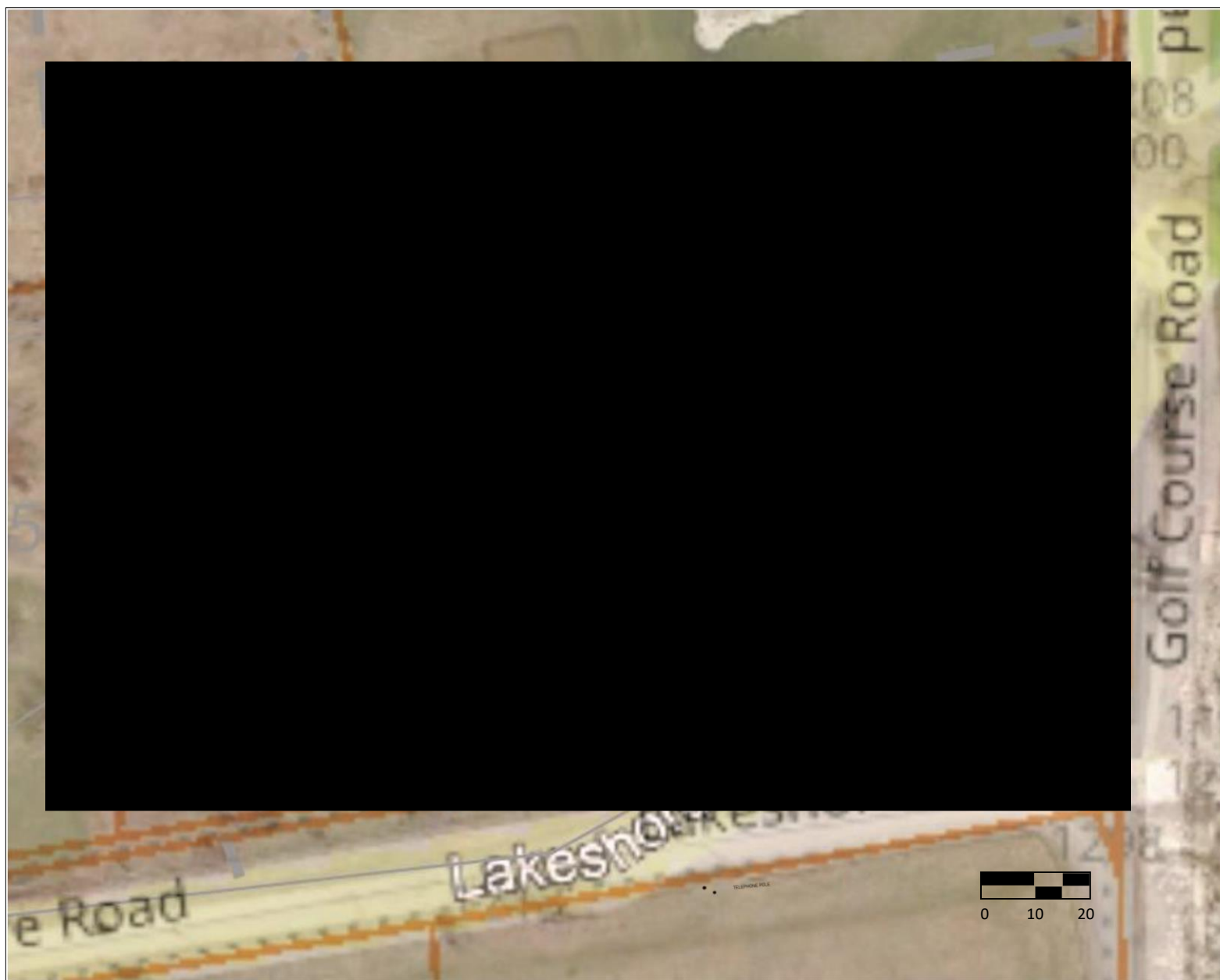


Figure 14 Overlay of raw survey data on Google Earth image. Orange lines indicate property boundaries. All find spots recorded in field are indicated n=287. Note – site location information redacted and included in separate submission with report.

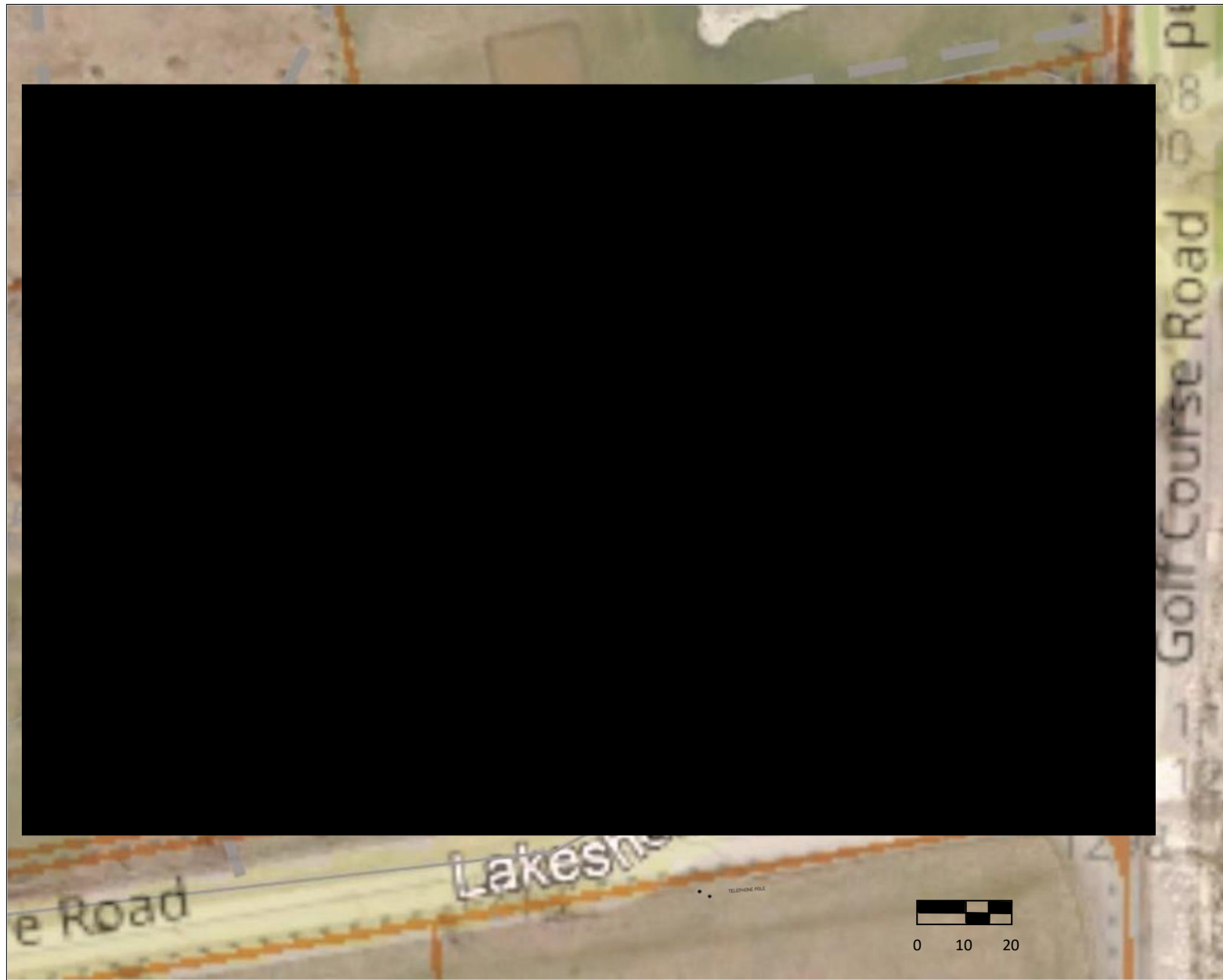


Figure 15 Overlay of survey data on Google Earth image with till chert and probable till chert removed after analysis. Red circles are non-diagnostic worked lithics – 3 preforms (P), 1 microcraper (MS), 1 wedge (W). The maximum number of non-diagnostic artifacts per 10m² is less than 10 anywhere in the Study Area. The oval with 2 preforms (P) on the left is outside the Study Area. Note – site location information redacted and included in separate submission with report.

Appendix A

Artifact Catalogue

Table						
Cat #	Date	CSP#	Type	Subtype	Freq	Comments
Historic Period Artifacts						
H0001	02/08/22	44	Euro Can	ceramic	1	Ironstone, tableware, undecorated
H0002	02/08/22	46	Euro Can	ferrous	1	cut, iron spike
H0003	02/08/22	156	Euro Can	ceramic	2	plate;RWE; "Bar...England 8"
H0004	03/08/22	222	Euro Can	ceramic	1	RWE, mint green glaze; tableware
H0005	03/08/22	226	Euro Can	ceramic	1	RWE, plain; holloware; rim
H0005	03/08/22	226	Euro Can	ceramic	1	RWE, plain; holloware; rim
H0005	03/08/22	226	Euro Can	ceramic	1	VWE, holloware
H0006	03/08/22	227	Euro Can	glass	1	cobalt blue bottle glass
H0007	03/08/22	231	Euro Can	ceramic	2	holloware; floral decal
H0008	03/08/22	231	Euro Can	ceramic	1	RWE, white undecorated
H0009	03/08/22	231	Euro Can	glass	1	Mason jar rim; moulded (post 1905)
H0010	03/08/22	232	Euro Can	glass	1	Mason jar shoulder
H0011	03/08/22	232	Euro Can	ceramic	3	porcelaineous, white
H0012	03/08/22	232	Euro Can	ceramic	1	RWE, white undecorated
H0013	03/08/22	232	Euro Can	ceramic	1	RWE, industrial slipware
H0014	03/08/22	232	Euro Can	ceramic	1	burnt, unrecognizable
H0015	03/08/22	233	Euro Can	ceramic	2	porcelaineous, white, moulded
H0016	03/08/22	233	Euro Can	ceramic	1	RWE white, undecorated
H0017	03/08/22	236	Euro Can	ceramic	3	porcelaineous, white undecorated
H0018	03/08/22	238	Euro Can	ceramic	2	porcelaineous, white undecorated
H0019	03/08/22	251	Euro Can	glass	1	clear container glass
H0020	03/08/22	251	Euro Can	glass	1	chimney glass, clear
H0021	03/08/22	264	Euro Can	glass	1	base of bottle; olive green; push up
H0022	03/08/22	266	Euro Can	ceramic	1	white, undecorated; VWE; lid rim
					33	

Key to codes: G = good as an artifact; positively identified; ? = dubious; Disc = discard; Heat: 0 = no signs of being exposed to heat; 1 = surficial colour change due to heat; 2 = potlid(s) on dorsal face; 4 = potlids on ventral face; 6 = potlids on both faces; 12 = potlids or bubbles on edge(s).
Materials: On = Onondaga; Ha = Haldimand; Unk = Unknown

Table								
Cat #	Date	CSP#	Type	Subtype	Freq	Material	Heat	Comments
Lithics								
L0001	02/08/22	1	Core	random	1	On	0	1 recent flk removal
L0002	02/08/22	2	Debitage	thinning	1	On	1	small, good platform
L0003	02/08/22	3	Debitage?	fragment	1	On	2	flat flake; no obv flk characteristics
L0004	02/08/22	4	Debitage	thinning	1	On	0	small, small platform
L0005	02/08/22	5	Debitage	thinning	1	On	0	small
L0006	02/08/22	6	Debitage					
L0007	02/08/22	7	Debitage	thinning	1	On	1	med sized; drk variety; edge chatter
L0008	02/08/22	9	Debitage	thinning	1	On	1	smallish; long & thin
L0009	02/08/22	10	Debitage?	fragment	1	On	0	no real flk characteristics
L0010	02/08/22	11	Debitage	thinning	1	On	1	small, slightly expanding
L0011	02/08/22	12	Debitage	fragment	1	On	1	small, some dors flk scarring
L0012	02/08/22	13	Debitage	fragment	1	On	0	small
L0013	02/08/22	14	Debitage	thinning	1	On	0	small, slightly expanding
L0014	02/08/22	15	Debitage?	fragment	1	On	0	small
L0015	02/08/22	16	Debitage	fragment	1	On	0	small
L0016	02/08/22	17	Debitage?	fragment	1	On	2	flat flk; thick to size; not clear if fl
L0017	02/08/22	18	Debitage?	shatter	1	On	4	could be plough struck
L0018	02/08/22	19	Debitage?	shatter	1	On	0	blocky, possible flk scarring
L0019	02/08/22	20	Debitage	primary	1	On	0	paler variety; small
L0020	02/08/22	21	Debitage	fragment	1	On	0	small, some dors scarring
L0021	02/08/22	22	Debitage	fragment	1	On	0	small, some dors scarring
L0022	02/08/22	23	Debitage	primary	1	On	1	small, from block edge; w/curve
L0023	02/08/22	24	Debitage	secondary	1	On	0	small, good platform

STAGE 2 ARCHAEOLOGICAL ASSESSMENT - WAINFLEET

L0024	02/08/22	25	Debitage	fragment	1	On	0	thin, w/curve
L0025	02/08/22	26	Debitage	fragment	1	Ha	0	small; dark phase
L0025	02/08/22	26	Debitage?	fragment	1	On	0	some curve
L0026	02/08/22	27	Debitage	fragment	1	On	1	good curve
L0027	02/08/22	28	Core	random	1	On	0	large
L0028	02/08/22	29	Debitage	fragment	1	On	12	thin, curved
L0029	02/08/22	30	Debitage	fragment	1	On	0	small
L0030	02/08/22	31	Debitage?	fragment	1	On	0	drk variety; feels water rolled
L0031	02/08/22	32	Debitage	fragment	1	On	0	small, a dors scar
L0032	02/08/22	33	Debitage	thinning	1	On	1	buff; small
L0033	02/08/22	34	Debitage?	fragment	1	On	0	small, angular
L0034	02/08/22	36	Debitage	fragment	2	On	0	1 flat flk; 1 thin
L0035	02/08/22	37	Debitage	fragment	1	On	2	small, dors scarring
L0035	02/08/22	37	Debitage	thinning	1	On	0	small, large platform
L0036	02/08/22	38	Debitage	fragment	1	On	0	dors scarring
L0037	02/08/22	39	Debitage	fragment	1	On	0	dors scarring
L0037	02/08/22	39	Debitage	fragment	1	On	1	dors scarring
L0038	02/08/22	41	Debitage?	fragment	1	On	0	small, flat flk; probably natural
L0039	02/08/22	43	Debitage?	fragment	1	On	1	indeterminate; could be natural
L0040	02/08/22	45	Core	random	1	On	0	buff; large;thin
L0041	02/08/22	47	Debitage	fragment	1	On	0	small, long, crushed platform
L0041	02/08/22	47	Debitage	fragment	1	On	0	small, dors scarring
L0042	02/08/22	48	Debitage?	fragment	1	On	6	very heat shattered
L0043	02/08/22	49	Debitage	fragment	1	On	0	small, curved
L0044	02/08/22	50	Debitage	trimming	1	On	0	
L0045	02/08/22	51	Utilized Flake	microscraper	1	On	0	ventral, left; on thinning flk
L0046	02/08/22	53	Debitage	fragment	1	On	0	small, thin
L0047	02/08/22	54	Core	random	1	On	0	large, some flk scarring
L0048	02/08/22	55	Debitage	fragment	1	On	0	
L0049	02/08/22	57	Debitage	initial	1	On	1	small, rough dorsal surface

STAGE 2 ARCHAEOLOGICAL ASSESSMENT - WAINFLEET

L0050	02/08/22	59	Debitage	secondary	1	On	0	large, thick; large bulb of percussion
L0051	02/08/22	60	Debitage	fragment	1	On	2	
L0052	02/08/22	61	Debitage	fragment	1	On	0	dors scarring
L0053	02/08/22	62	Debitage	fragment	1	On	2	
L0053	02/08/22	62	Debitage	thinning	1	On	0	small, long
L0054	02/08/22	63	Debitage	shatter	1	On	0	small, flk scarring
L0055	02/08/22	64	Debitage	fragment	1	On	0	missing platf, probable thinning
L0056	02/08/22	65	Debitage	fragment	1	On	0	dors scarring, thin, curved
L0056	02/08/22	65	Debitage	initial	1	On	0	small, slightly expanding
L0057	02/08/22	66	Debitage	thinning	1	On	0	small
L0058	02/08/22	67	Debitage	trimming	1	On	0	good platform
L0059	02/08/22	68	Debitage	initial	1	On	0	large platform; nice bulb; dors scarring
L0060	02/08/22	69	Debitage	fragment	2	On	0	both small
L0061	02/08/22	70	Debitage	fragment	1	On	1	
L0062	02/08/22	71	Debitage?	fragment	1	On	0	small, curved, no scarring
L0063	02/08/22	72	Debitage?	shatter	1	On	6	blasted by heat; cannot determine
L0064	02/08/22	73	Debitage	initial	1	On	1	large, bashed ventral
L0065	02/08/22	74	Debitage?	initial	1	On	0	no bulb & dorsal scar; prob plough hit
L0066	02/08/22	76	Debitage	fragment	1	On	6	thinnish, curved
L0067	02/08/22	77	Core	random	1	On	0	small; from corner, ventral flk scars
L0068	02/08/22	78	Bipolar	wedge	1	On	1	small; minimal opposite edge bashed
L0069	02/08/22	79	Core	random	1	On	0	small, number flk scars
L0070	02/08/22	80	Debitage	fragment	1	On	0	small, chap de gendarme
L0071	02/08/22	81	Debitage	fragment	1	On	1	small, chap de gendarme
L0072	02/08/22	82	Debitage?	shatter	1	On	1	large, irregular, plough struck?
L0073	02/08/22	83	Debitage?	shatter	1	On	6	heat shattered
L0074	02/08/22	84	Debitage?	potlid	1	On	6	heat shattered; and too small
L0075	02/08/22	85	Debitage	fragment	1	On	0	
L0076	02/08/22	86	Debitage	initial	1	On	1	large, large bulb
L0077	02/08/22	87	Debitage	fragment	1	On	1	

STAGE 2 ARCHAEOLOGICAL ASSESSMENT - WAINFLEET

L0078	02/08/22	88	Debitage	thinning	1	On	0	small, long & thin
L0079	02/08/22	89	Debitage?	shatter	1	On	1	no flk characteristics
L0080	02/08/22	90	Debitage	fragment	1	On	1	
L0081	02/08/22	92	Debitage	thinning	1	On	0	large platform
L0082	02/08/22	93	Debitage?	fragment	1	On	1	dubious characteristics
L0083	02/08/22	94	Debitage	thinning	1	On	0	small, short
L0084	02/08/22	95	Debitage	primary	1	On	0	small, could be plough struck
L0085	02/08/22	96	Debitage?	shatter	1	On	1	long, angular; dubious
L0086	02/08/22	97	Debitage	thinning	1	On	0	large platform
L0087	02/08/22	99	Debitage	initial	1	On	0	irregular shape
L0088	02/08/22	101	Debitage	fragment	1	On	1	large, thin
L0089	02/08/22	102	Debitage	thinning	1	On	0	large platform
L0090	02/08/22	103	Debitage	fragment	1	On	1	
L0091	02/08/22	104	Debitage	fragment	1	On	4	
L0092	02/08/22	105	Debitage	fragment	1	On	0	small; chap de gendarme
L0093	02/08/22	106	Debitage	fragment	1	On	1	small; very burnt
L0094	02/08/22	107	Debitage	initial	1	On	0	long, thin
L0095	02/08/22	108	Debitage	shatter	1	On	1	irregularly shaped
L0096	02/08/22	109	Debitage?	shatter	1	On	0	small block, plough struck?
L0097	02/08/22	110	Debitage	primary	1	On	0	medium sized
L0098	02/08/22	111	Debitage?	fragment	1	On	0	too small to determine if Natural
L0099	02/08/22	113	Debitage	thinning	1	On	1	small, short
L0100	02/08/22	114	Debitage?	fragment	1	On	0	too small to determine if natural
L0101	02/08/22	115	Debitage?	potlid	1	On	1	small; could be Natural
L0102	02/08/22	116	Debitage	fragment	1	On	1	very curved
L0103	02/08/22	117	Debitage	fragment	1	On	1	
L0104	02/08/22	118	Debitage	fragment	1	On	1	
L0105	02/08/22	119	Debitage	fragment	1	On	1	
L0106	02/08/22	120	Debitage	initial	1	On	1	large platform; long
L0107	02/08/22	120	Debitage?	shatter	1	On	0	small, dubious

STAGE 2 ARCHAEOLOGICAL ASSESSMENT - WAINFLEET

L0108	02/08/22	121	Debitage	trimming	1	On	0	
L0109	02/08/22	122	Debitage	secondary	1	On	1	large platform
L0110	02/08/22	123	Debitage?	fragment	1	On	0	
L0111	02/08/22	123	Debitage?	fragment	1	On	1	very burnt, small, dubious
L0112	02/08/22	124	Debitage	thinning	1	Unk	1	long, thin; mostly cortex
L0113	02/08/22	125	Debitage	fragment	1	On	0	small
L0114	02/08/22	126	Debitage	fragment	1	On	0	thin, flat
L0115	02/08/22	129	Debitage	thinning	1	On	2	large, some heat edge chattering
L0116	02/08/22	130	Debitage	fragment	1	On	0	small, chap de gendarme
L0117	02/08/22	132	Debitage	shatter	1	On	1	long, angular, some flk scars
L0118	02/08/22	133	Debitage	thinning	1	On	1	small, good platform
L0119	02/08/22	134	Debitage?	potlid	1	On	4	round; no dors flk scarring
L0120	02/08/22	135	Debitage	fragment	1	On	6	heat damaged; dors scarring
L0121	02/08/22	136	Debitage	fragment	1	On	0	small
L0122	02/08/22	137	Debitage?	fragment	1	On	1	thick, no real flake char
L0123	02/08/22	139	Debitage	fragment	1	On	1	
L0124	02/08/22	140	Debitage	initial	1	On	1	small, expanding
L0125	02/08/22	141	Debitage	trimming	1	On	1	
L0126	02/08/22	144	Debitage	initial	1	On	1	thick, large platform
L0127	02/08/22	145	Debitage	initial	1	On	1	thick, large platform
L0128	02/08/22	146	Debitage	initial	1	On	0	large platform; expanding
L0129	02/08/22	147	Debitage?	fragment	1	On	0	too small to determine; flat
L0130	02/08/22	148	Debitage	thinning	1	On	1	partial crushed platform
L0131	02/08/22	149	Debitage	fragment	1	On	0	flat
L0132	02/08/22	149	Debitage?	shatter	1	On	6	too heat shattered to determine
L0133	02/08/22	150	Debitage	thinning	1	On	0	light variety; small platf, expanding
L0134	02/08/22	151	Debitage	initial	1	On	1	large platform, thick
L0135	02/08/22	152	Debitage?	shatter	1	On	6	very heat shattered; indeterminate
L0136	02/08/22	153	Debitage?	fragment	1	On	1	dors lacking good flk scarring
L0137	02/08/22	153	Debitage?	fragment	1	On	6	too heat shattered; indeterminate

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L0138	02/08/22	154	Debitage	fragment	1	On	1	dors flk scarring
L0139	02/08/22	155	Debitage?	shatter	1	On	0	cortexy, could be plough struck
L0140	02/08/22	157	Debitage?	shatter	1	On	1	angular, no flk scarring
L0141	02/08/22	158	Debitage?	shatter	1	On	1	blocky, no flk scarring
L0142	03/08/22	159	Debitage	fragment	1	On	1	small, dors scarring
L0143	03/08/22	160	Debitage	fragment	1	On	1	small, dors scarring
L0144	03/08/22	161	Core	random	1	On	0	number of flk scars
L0145	03/08/22	162	Debitage?	fragment	1	On	2	too small and burnt, indeterminate
L0146	03/08/22	163	Debitage	initial	1	On	1	large platform
L0147	03/08/22	164	Debitage?	fragment	1	On	1	small, flattish, no good scarring
L0148	03/08/22	165	Debitage	fragment	1	On	6	good curve, very heat affected
L0149	03/08/22	166	Debitage?	shatter	1	On	0	plough struck?
L0150	03/08/22	167	Debitage	trimming	1	On	6	
L0151	03/08/22	168	Debitage?	shatter	1	On	2	irregular, humped
L0152	03/08/22	169	Debitage	secondary	1	On	0	large, thick, short
L0153	03/08/22	170	Debitage?	shatter	1	On	1	possible plough struck
L0154	03/08/22	171	Debitage?	shatter	1	On	0	possible plough struck
L0155	03/08/22	172	Debitage	initial	1	On	0	thick, short; large platform
L0156	03/08/22	173	Debitage	fragment	1	On	0	small, thin
L0157	03/08/22	174	Debitage	fragment	1	On	1	
L0158	03/08/22	175	Debitage	thinning	1	On	1	expanding; planar dorsal
L0159	03/08/22	176	Debitage	fragment	1	On	2	dors scarring
L0160	03/08/22	177	Debitage	fragment	1	On	1	
L0161	03/08/22	178	Debitage?	shatter	1	On	4	small, long thin; heat damage
L0162	03/08/22	179	Debitage?	shatter	2	On	4	too heat damaged to assess
L0163	03/08/22	180	Debitage?	shatter	1	On	1	possible plough struck
L0164	03/08/22	181	Debitage?	shatter	1	On	2	too burnt
L0165	03/08/22	182	Debitage	thinning	1	On	0	small, thick (from corner)
L0166	03/08/22	183	Biface	preform	1	On	6	large; on lrg flake; non diagnostic
L0167	03/08/22	184	Debitage?	fragment	1	On	1	burnt

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L0168	03/08/22	185	Debitage?	initial	1	On	0	small, struck by plough?
L0169	03/08/22	186	Debitage	initial	1	On	0	small, dorsal scarring
L0170	03/08/22	187	Debitage?	shatter	1	On	1	small, blocky; not good flaking
L0171	03/08/22	188	Debitage	fragment	1	On	0	flk scarring
L0171	03/08/22	188	Debitage	initial	1	On	1	good platform
L0172	03/08/22	189	Debitage	fragment	1	On	0	thin, curved
L0173	03/08/22	190	Debitage	fragment	1	On	6	some dorsal scarring
L0174	03/08/22	191	Debitage	fragment	1	On	1	
L0175	03/08/22	192	Debitage?	fragment	1	On	0	so small, no flk characteristics
L0176	03/08/22	193	Debitage	fragment	1	On	4	some flk scarring
L0176	03/08/22	193	Debitage?	fragment	1	On	0	could be natural
L0176	03/08/22	193.1	Debitage	fragment	1	On	6	some flk scarring
L0177	03/08/22	194	Debitage?	shatter	1	On	1	burnt; small; dubious
L0178	03/08/22	195	Debitage	thinning	1	On	2	small; very burnt
L0179	03/08/22	196	Debitage	fragment	1	On	2	dors wave, no scarring
L0179	03/08/22	196	Debitage	shatter	1	On	6	very heat affected; flk scarring
L0180	03/08/22	197	Debitage	thinning	1	On	1	small, small platform
L0181	03/08/22	198	Debitage	trimming	1	On	0	
L0182	03/08/22	200	Debitage	initial	1	On	1	large platform
L0183	03/08/22	201	Debitage	initial	1	On	6	large, thick
L0184	03/08/22	202	Debitage?	fragment	1	On	6	too small & burnt to determine;
L0185	03/08/22	203	Debitage	fragment	1	On	4	small
L0185	03/08/22	203	Debitage	initial	1	On	0	
L0186	03/08/22	204	Debitage	fragment	1	On	4	small
L0186	03/08/22	204	Debitage?	shatter	1	On	6	angular; too burnt to determine
L0187	03/08/22	205	Debitage	trimming	1	On	0	
L0188	03/08/22	207	Debitage?	fragment	1	On	1	too small to determine; some rounding
L0189	03/08/22	208	Debitage	fragment	1	On	1	curved
L0190	03/08/22	209	Debitage?	shatter	1	On	1	dubious
L0191	03/08/22	211	Debitage	fragment	1	On	4	

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L0192	03/08/22	212	Debitage	initial	1	On	0	small, thick
L0192	03/08/22	212	Debitage	initial	1	On	1	thick, short; large platform
L0193	03/08/22	213	Debitage	fragment	1	On	0	small, incomplete
L0194	03/08/22	214	Debitage?	fragment	1	On	1	flat flk; very small
L0195	03/08/22	215	Debitage?	fragment	1	On	0	small; corner piece; plough struck?
L0196	03/08/22	216	Debitage	trimming	1	On	0	
L0197	03/08/22	217	Debitage	initial	1	On	4	small, short
L0198	03/08/22	218	Debitage	thinning	1	On	0	long, thin
L0199	03/08/22	219	Debitage	initial	1	On	1	short, thick
L0200	03/08/22	220	Debitage	fragment	1	On	1	
L0201	03/08/22	221	Debitage?	fragment	1	On	6	too burnt to determine
L0202	03/08/22	223	Debitage?	fragment	1	On	2	flat flk, too burnt to id
L0203	03/08/22	224	Debitage	initial	1	On	0	small
L0204	03/08/22	225	Debitage?	shatter	1	On	1	angular
L0205	03/08/22	229	Core	random	1	On	1	large; some flk scarring
L0206	03/08/22	230	Debitage	thinning	1	On	1	small, long, thin
L0207	03/08/22	231	Debitage	potlid	2	On	4	1 round, 1 oval
L0208	03/08/22	233	Debitage	fragment	1	On	1	chap de gendarme
L0209	03/08/22	235	Debitage?	shatter	2	On	1	both blocky
L0209	03/08/22	235	Debitage?	shatter	1	On	4	smooth dorsal
L0210	03/08/22	237	Debitage	fragment	1	On	6	
L0211	03/08/22	239	Debitage	fragment	1	On	0	small
L0212	03/08/22	240	Debitage	thinning	1	On	1	small, expanding
L0213	03/08/22	241	Debitage	initial	1	On	1	
L0214	03/08/22	242	Debitage	fragment	1	On	1	
L0215	03/08/22	243	Debitage?	fragment	1	On	0	
L0216	03/08/22	247	Debitage	initial	1	On	0	small
L0217	03/08/22	248	Debitage	initial	1	On	2	short, thick
L0217	03/08/22	248	Debitage?	fragment	1	On	1	possible plough struck
L0217	03/08/22	248	Debitage?	fragment	1	On	2	small, angular; dubious

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L0218	03/08/22	249	Debitage	initial	1	On	0	small
L0218	03/08/22	249	Debitage	thinning	1	On	0	
L0219	03/08/22	250	Debitage	initial	1	On	1	short, thick
L0220	03/08/22	253	Debitage?	fragment	1	On	12	angular, possible plough struck
L0221	03/08/22	254	Euro Can	ceramic	1			slightly burnt, RWE some blue colour
L0222	03/08/22	255	Debitage?	fragment	2	On	1	both dubious
L0226	03/08/22	256	Biface	Preform tip	1	On	1	irregular edge; thick
L0227	03/08/22	257	Debitage?	fragment	1	On	4	weak to no dors scarring
L0228	03/08/22	258	Debitage	fragment	1	On	1	
L0229	03/08/22	258	Debitage?	shatter	1	On	2	small, too burnt to determine
L0230	03/08/22	259	Debitage?	shatter	1	On	0	small, no defining characteristics
L0231	03/08/22	261	Debitage	initial	1	On	1	small, short
L0231	03/08/22	261	Debitage?	fragment	1	On	1	
L0232	03/08/22	262	Debitage?	shatter	1	On	4	very heat damaged
L0233	03/08/22	263	Debitage	initial	1	On	1	small, short
L0234	03/08/22	264	Debitage?	shatter	1	On	4	long, thin; dubious
L0235	03/08/22	265	Debitage?	shatter	1	On	1	flat, no flk charact; dubious
L0236	03/08/22	267	Debitage?	shatter	1	On	2	flat, no flk charact; dubious
L0237	03/08/22	268	Debitage	fragment	1	On	1	small
L0237	03/08/22	268	Debitage	primary	1	On	0	small; dorsal entirely planar
L0237	03/08/22	268	Debitage	secondary	1	On	12	large, thick
L0238	03/08/22	269	Debitage	secondary	1	On	1	large, thick; could be plough struck
L0239	03/08/22	270	Debitage	fragment	1	On	0	
L0240	03/08/22	271	Debitage	fragment	1	Ha	0	small
L0240	03/08/22	271	Debitage	shatter	1	On	1	small, some flk scarring
L0241	03/08/22	272	Debitage	fragment	1	On	0	
L0241	03/08/22	272	Debitage	primary	1	On	1	small; dors entire planar
L0242	03/08/22	273	Debitage?	fragment	1	On	0	too small to determine
L0243	03/08/22	274	Debitage	shatter	1	On	1	irregular; cortexy
L0244	03/08/22	275	Debitage?	shatter	1	On	2	smooth ventral; dors damaged

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L0245	03/08/22	276	Debitage	fragment	1	On	0	very small; prob trimming
L0245	03/08/22	276	Debitage	shatter	1	On	0	
L0246	03/08/22	277	Debitage	thinning	1	On	1	small, expanding; small platform
L0247	03/08/22	278	Debitage	fragment	1	On	1	short, thick
L0248	03/08/22	279	Debitage?	fragment	1	On	1	
L0249	03/08/22	280	Debitage	trimming	1	On	1	
L0250	03/08/22	281	Debitage?	shatter	1	On	1	flat, some ventral wave
L0251	03/08/22	282	Debitage	thinning	1	On	1	small, curved
L0252	03/08/22	283	Core	random	1	On	1	small
L0253	03/08/22	284	Debitage?	shatter	2	On	1	both angular, no good dors scarring
L0254	03/08/22	285	Debitage	initial	1	On	1	very burnt; small, small platform
L0254	03/08/22	285	Debitage	potlid	1	On	4	ovoid, small
L0254	03/08/22	285	Debitage?	shatter	1	On	6	too burnt to determine
L0255	03/08/22	286	Biface	preform	1	Ha	1	on initial; minimally flaked
L0256	03/08/22	287	Debitage?	fragment	1	On	0	no good dorsal scarring
				Total	194			

STAGE 2 ARCHAEOLOGICAL ASSESSMENT - WAINFLEET

Table								
Lithics Discarded in Analysis - Not Artifacts								
Cat #	Date	CSP#	Type	Subtype	Freq	Material	Heat	Comments
L0003	02/08/22	3	Debitage?	fragment	1	On	2	flat flake; no obv flk characteristics
L0009	02/08/22	10	Debitage?	fragment	1	On	0	no real flk characteristics
L0014	02/08/22	15	Debitage?	fragment	1	On	0	small
L0016	02/08/22	17	Debitage?	fragment	1	On	2	flat flk; thick to size; not clear if fl
L0025	02/08/22	26	Debitage?	fragment	1	On	0	some curve
L0030	02/08/22	31	Debitage?	fragment	1	On	0	drk variety; feels water rolled
L0033	02/08/22	34	Debitage?	fragment	1	On	0	small, angular
L0038	02/08/22	41	Debitage?	fragment	1	On	0	small, flat flk; probably natural
L0039	02/08/22	43	Debitage?	fragment	1	On	1	indeterminate; could be natural
L0042	02/08/22	48	Debitage?	fragment	1	On	6	very heat shattered
L0062	02/08/22	71	Debitage?	fragment	1	On	0	small, curved, no scarring
L0082	02/08/22	93	Debitage?	fragment	1	On	1	dubious characteristics
L0098	02/08/22	111	Debitage?	fragment	1	On	0	too small to determine if Natural
L0100	02/08/22	114	Debitage?	fragment	1	On	0	too small to determine if natural
L0110	02/08/22	123	Debitage?	fragment	1	On	0	
L0111	02/08/22	123	Debitage?	fragment	1	On	1	very burnt, small, dubious
L0122	02/08/22	137	Debitage?	fragment	1	On	1	thick, no real flake char
L0129	02/08/22	147	Debitage?	fragment	1	On	0	too small to determine; flat
L0136	02/08/22	153	Debitage?	fragment	1	On	1	dors lacking good flk scarring
L0137	02/08/22	153	Debitage?	fragment	1	On	6	too heat shattered; indeterminate
L0145	03/08/22	162	Debitage?	fragment	1	On	2	too small and burnt, indeterminate
L0147	03/08/22	164	Debitage?	fragment	1	On	1	small, flattish, no good scarring
L0167	03/08/22	184	Debitage?	fragment	1	On	1	burnt
L0175	03/08/22	192	Debitage?	fragment	1	On	0	so small, no flk characteristics
L0176	03/08/22	193	Debitage?	fragment	1	On	0	could be natural
L0184	03/08/22	202	Debitage?	fragment	1	On	6	too small & burnt to determine;
L0188	03/08/22	207	Debitage?	fragment	1	On	1	too small to determine; rounding

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L0194	03/08/22	214	Debitage?	fragment	1	On	1	flat flk; very small
L0195	03/08/22	215	Debitage?	fragment	1	On	0	small; corner piece; plough struck?
L0201	03/08/22	221	Debitage?	fragment	1	On	6	too burnt to determine
L0202	03/08/22	223	Debitage?	fragment	1	On	2	flat flk, too burnt to id
L0215	03/08/22	243	Debitage?	fragment	1	On	0	
L0217	03/08/22	248	Debitage?	fragment	1	On	1	possible plough struck
L0217	03/08/22	248	Debitage?	fragment	1	On	2	small, angular; dubious
L0220	03/08/22	253	Debitage?	fragment	1	On	12	angular, possible plough struck
L0222	03/08/22	255	Debitage?	fragment	2	On	1	both dubious
L0227	03/08/22	257	Debitage?	fragment	1	On	4	weak to no dors scarring
L0231	03/08/22	261	Debitage?	fragment	1	On	1	
L0242	03/08/22	273	Debitage?	fragment	1	On	0	too small to determine
L0248	03/08/22	279	Debitage?	fragment	1	On	1	
L0256	03/08/22	287	Debitage?	fragment	1	On	0	no good dorsal scarring
L0065	02/08/22	74	Debitage?	initial	1	On	0	no bulb & dorsal scar; prob plough hit
L0168	03/08/22	185	Debitage?	initial	1	On	0	small, struck by plough?
L0074	02/08/22	84	Debitage?	potlid	1	On	6	heat shattered; and too small
L0101	02/08/22	115	Debitage?	potlid	1	On	1	small; could be Natural
L0119	02/08/22	134	Debitage?	potlid	1	On	4	round; no dors flk scarring
L0017	02/08/22	18	Debitage?	shatter	1	On	4	could be plough struck
L0018	02/08/22	19	Debitage?	shatter	1	On	0	blocky, possible flk scarring
L0063	02/08/22	72	Debitage?	shatter	1	On	6	blasted by heat; cannot determine
L0072	02/08/22	82	Debitage?	shatter	1	On	1	large, irregular, plough struck?
L0073	02/08/22	83	Debitage?	shatter	1	On	6	heat shattered
L0079	02/08/22	89	Debitage?	shatter	1	On	1	no flk characteristics
L0085	02/08/22	96	Debitage?	shatter	1	On	1	long, angular; dubious
L0096	02/08/22	109	Debitage?	shatter	1	On	0	small block, plough struck?
L0107	02/08/22	120	Debitage?	shatter	1	On	0	small, dubious
L0132	02/08/22	149	Debitage?	shatter	1	On	6	too heat shattered to determine
L0135	02/08/22	152	Debitage?	shatter	1	On	6	very heat shattered; indeterminate

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L0139	02/08/22	155	Debitage?	shatter	1	On	0	cortexy, could be plough struck
L0140	02/08/22	157	Debitage?	shatter	1	On	1	angular, no flk scarring
L0141	02/08/22	158	Debitage?	shatter	1	On	1	blocky, no flk scarring
L0149	03/08/22	166	Debitage?	shatter	1	On	0	plough struck?
L0151	03/08/22	168	Debitage?	shatter	1	On	2	irregular, humped
L0153	03/08/22	170	Debitage?	shatter	1	On	1	possible plough struck
L0154	03/08/22	171	Debitage?	shatter	1	On	0	possible plough struck
L0161	03/08/22	178	Debitage?	shatter	1	On	4	small, long thin; heat damage
L0162	03/08/22	179	Debitage?	shatter	2	On	4	too heat damaged to assess
L0163	03/08/22	180	Debitage?	shatter	1	On	1	possible plough struck
L0164	03/08/22	181	Debitage?	shatter	1	On	2	too burnt
L0170	03/08/22	187	Debitage?	shatter	1	On	1	small, blocky; not good flaking
L0177	03/08/22	194	Debitage?	shatter	1	On	1	burnt; small; dubious
L0186	03/08/22	204	Debitage?	shatter	1	On	6	angular; too burnt to determine
L0190	03/08/22	209	Debitage?	shatter	1	On	1	dubious
L0204	03/08/22	225	Debitage?	shatter	1	On	1	angular
L0209	03/08/22	235	Debitage?	shatter	2	On	1	both blocky
L0209	03/08/22	235	Debitage?	shatter	1	On	4	smooth dorsal
L0229	03/08/22	258	Debitage?	shatter	1	On	2	small, too burnt to determine
L0230	03/08/22	259	Debitage?	shatter	1	On	0	small, no defining characteristics
L0232	03/08/22	262	Debitage?	shatter	1	On	4	very heat damaged
L0234	03/08/22	264	Debitage?	shatter	1	On	4	long, thin; dubious
L0235	03/08/22	265	Debitage?	shatter	1	On	1	flat, no flk charact; dubious
L0236	03/08/22	267	Debitage?	shatter	1	On	2	flat, no flk charact; dubious
L0244	03/08/22	275	Debitage?	shatter	1	On	2	smooth ventral; dors damaged
L0250	03/08/22	281	Debitage?	shatter	1	On	1	flat, some ventral wave
L0253	03/08/22	284	Debitage?	shatter	2	On	1	both angular, no good dors scarring
L0254	03/08/22	285	Debitage?	shatter	1	On	6	too burnt to determine
					89			

Discarded During Analysis – Till Chert								
Date	CSP#	Status	Type	Subtype	Freq	Material	Heat	Comments
02/08/22	6	Disc	Natural	till chert	1	On		discard; till; no flk charact, worn
02/08/22	8	Disc	Natural	till chert	1	On		discard; till
02/08/22	25	Disc	Natural	till chert	1	On		small block, no convincing flk scarring
02/08/22	35	Disc	Natural	till chert	1	On		2 pieces; 1 smooth, 1 angular
02/08/22	40	Disc	Natural	till chert	1	On		smooth ventral surface; dull edges
02/08/22	42	Disc	Natural	till chert	1	On		small shatter; smooth surfaces
02/08/22	52	Disc	Natural	till chert	1	On		small, rounded
02/08/22	56	Disc	Natural	till chert	1	On		blocky, rounded edges
02/08/22	58	Disc	Natural	till chert	1	On		irregularly shaped; mostly cortex
02/08/22	71	Disc	Natural	till chert	1			1 small; 1 thick rounded, dubious
02/08/22	75	Disc	Natural	till chert	1	On		very small, shatter, prob from block
02/08/22	91	Disc	Natural	till chert	1	On		2 small unaltered blocks
02/08/22	98	Disc	Natural	till chert	1	On		small, no flk characteristics
02/08/22	100	Disc	Natural	till chert	1	On		very small, edge of block
02/08/22	108	Disc	Natural	till chert	1	On		1 small unaltered piece, blocky
02/08/22	111	Disc	Natural	till chert	1	On		
02/08/22	112	Disc	Natural	till chert	1	On		small, no flk scars dorsal
02/08/22	127	Disc	Natural	till chert	1	On		small block, not worked
02/08/22	128	Disc	Natural	till chert	1	On		small, sheared off from block
02/08/22	131	Disc	Natural	till chert	1	On		2 small, blocky pieces
02/08/22	138	Disc	Natural	till chert	1	On		irregular, no flaking
02/08/22	142	Disc	Euro Can	coin	1			2004 Canadian penny
02/08/22	143	Disc	Euro Can	button	1			plastic 4 hole
03/08/22	198	Disc	Natural	till chert	1	On		rounded dors; dull edging
03/08/22	199	Disc	Natural	till chert	1	On		1 small shatter; not good flaking
03/08/22	199	Disc	Natural	till chert	1	On		1 small block; not good flaking
03/08/22	206	Disc	Natural	till chert	1	On		small, block; no discernible flaking
03/08/22	210	Disc	Natural	till chert	1	On		rounded, water rolled

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03/08/22	228	Disc	Natural	till chert	1	On		small block; no flking
03/08/22	234	Disc	Natural	till chert	1	On		2 shatter, no good characteristics
03/08/22	244	Disc	Natural	till chert	1	On		small, angular
03/08/22	245	Disc	Natural	till chert	1	Unk		rough, bumpy; non flk looking
03/08/22	246	Disc	Natural	till chert	1	On		angular, heat shattered
03/08/22	252	Disc	Natural	till chert	1	On		plough struck block
03/08/22	260	Disc	Natural	till chert	1	On		angular, heat damaged; no flk charact
03/08/22	271	Disc	Natural	till chert	1	On		3 small unaltered chunks
03/08/22	276	Disc	Natural	till chert	1	On	1	angular; no flk characteristics
				Total	37			

Appendix B

Artifact Images



Figure 1 Non-diagnostic tools: (top row) CSP183, CSP256 and CSP286 (bifaces); (bottom row) CSP51 (utilized flake) and CSP78 (wedge).



Figure 2 Cores CSP 28 and CSP 45.

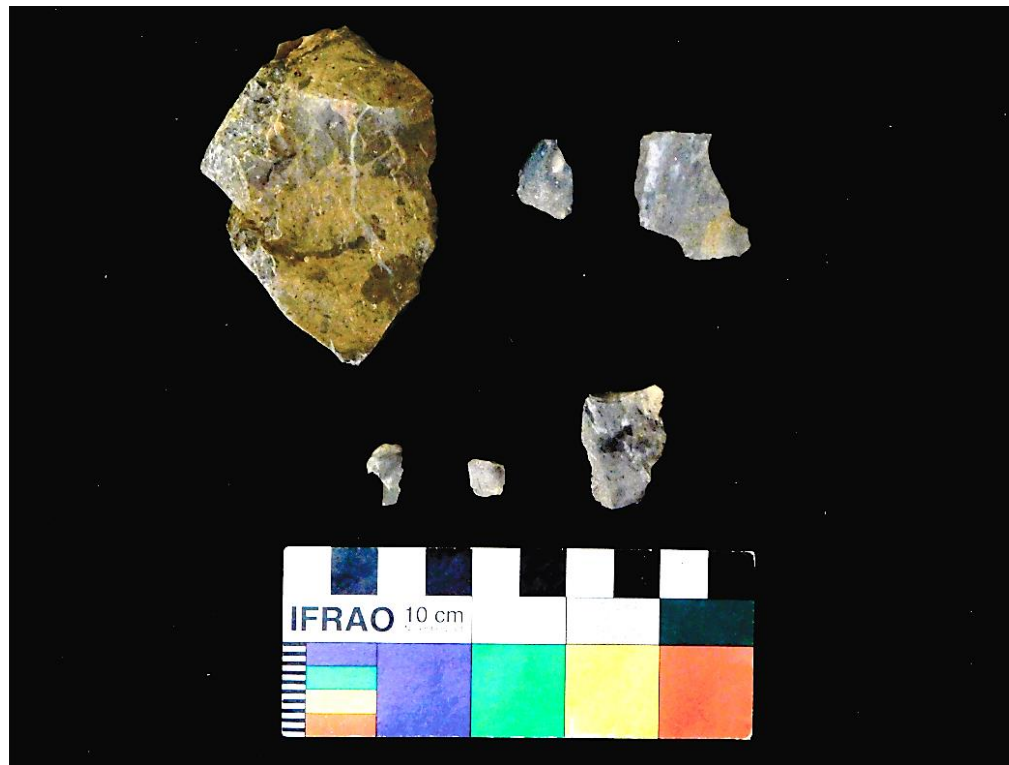


Figure 3 Typical flakes, modified (top) CSP 59 (secondary), CSP 65 (initial), CSP 102 (thinning); (bottom) CSP 66 (smaller thinning), CSP67 (trimming), SCP 27 (fragment).