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Sep 10, 2021

Dean Knight (P089)  
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**RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 4 Mitigation of Development Impacts, Final Excavation Report, Walker IX (AgGt-178), Upper's Quarry, City of Niagara Falls, Regional Municipality of Niagara, Part of Lot 119, Geographic Township of Stamford, Former Welland County, Ontario", Dated Jul 22, 2021, Filed with MHSTCI Toronto Office on Jul 28, 2021, MHSTCI Project Information Form Number P089-0113-2018, MHSTCI File Number 26AG020**

Dear Dr. Knight:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18.<sup>1</sup> This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the assessment of the study area as depicted in Map 2 of the above titled report and recommends the following:

Walker IX (AgGt-178) has been fully excavated and documented to the extent required by the MHSTCI. Accordingly, the site has no further CHVI and requires no further assessment. IF #49 was found to be of no further CHVI and similarly does not require any additional assessment. The engaged Indigenous groups were provided with the report for their consideration and comment, and no concerns were raised.

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Paige Campbell  
Archaeology Review Officer

cc. Archaeology Licensing Officer  
Debra Walker, MHBC Planning  
Kevin Kehl, Walker Aggregates  
Britney Fricke, Niagara Region

<sup>1</sup>*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.*

**Stage 4 Mitigation of Development Impacts  
Final Excavation Report  
Walker IX (AgGt-178)  
Upper's Quarry  
City of Niagara Falls  
Regional Municipality of Niagara  
Part of Lot 119  
Geographic Township of Stamford  
Former Welland County, Ontario**

Prepared for  
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Licensed under  
**D.H. Knight**  
MHSTCI Licence #P089  
PIF #P089-0113-2018  
ARA File #2018-0188

**22/07/2021**

**Original Report**

## **EXECUTIVE SUMMARY**

Under a contract awarded in July 2018, Archaeological Research Associates Ltd. carried out the Stage 4 excavation of Walker IX (AgGt-178) in the City of Niagara Falls, Regional Municipality of Niagara, Ontario. This site is located on lands included in the proposed Upper's Quarry project. The excavation was completed as part of a Category 2, Class "A" licence application under the *Aggregate Resources Act*, R.S.O. 1990, c. A.8, as required by Policy No. 2.01.08 of the *Aggregate Resources Policies and Procedures Manual* (MNRF 2020). This final excavation report documents the background research and fieldwork involved in the investigation, and presents conclusions and recommendations pertaining to archaeological concerns.

Previous fieldwork determined that Walker IX (AgGt-178) comprised a moderately-sized scatter of Indigenous archaeological materials located in the northwestern part of the proposed licence boundary (AAL 2015). A dense concentration of artifacts (10 x 10 m) was observed in the centre of the site, whereas the northern and southern parts were more diffuse. The assemblage consisted primarily of lithic debitage, and none of the finds were diagnostic. No potential cultural features were identified. The deposit was interpreted as a campsite of indeterminate date. Walker IX was found to have further cultural heritage value or interest (CHVI) and required Stage 4 excavation.

The Stage 4 excavation of Walker IX (AgGt-178) was conducted between October 2018 and August 2019 under Project Information Form #P089-0113-2018. The site was found to comprise a 27 x 19 m (NW-SE) scatter of Indigenous archaeological materials. A total of 3,017 artifacts were observed during block and feature excavation, all of which were collected. The retained assemblage consisted primarily of lithic debitage (n=2,875), although informal (n=131) and formal (n=11) lithic artifacts were also attested. None of lithic artifacts were diagnostic, but such finds are usually dated to the Pre-Contact period (ca. 9000 BC–AD 1650). One cultural feature was documented (Feature 1), which consisted of a refuse pit. The available evidence indicates that the site represents a campsite utilized for tool kit maintenance and resource procurement.

During the investigation, an isolated artifact was also observed on the field surface roughly 43 m north of Walker IX. Based on the distance between this new find and the previously identified sites in this part of the proposed licence boundary, it was designated as IF #49. At the request of the Indigenous representatives, the isolated artifact was documented and collected for laboratory analysis. The retained find consisted of a biface of Onondaga chert that was not diagnostic.

Walker IX (AgGt-178) has been fully excavated and documented to the extent required by the Ministry of Heritage, Sport, Tourism and Culture Industries. Accordingly, the site has no further CHVI and requires no further assessment. IF #49 was found to be of no further CHVI and similarly does not require any additional assessment. The engaged Indigenous groups were provided with the report for their consideration and comment, and no concerns were raised.

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## **LIST OF ABBREVIATIONS**

ARA – Archaeological Research Associates Ltd.  
CHVI – Cultural Heritage Value or Interest  
CSP – Controlled Surface Pick-Up  
MHSTCI – Ministry of Heritage, Sport, Tourism and Culture Industries  
PIF – Project Information Form  
S&Gs – Standards and Guidelines for Consultant Archaeologists  
SD – Supplementary Documentation

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## 1.0 PROJECT CONTEXT

### 1.1 Development Context

Under a contract awarded in July 2018, Archaeological Research Associates Ltd (ARA) carried out the Stage 4 excavation of Walker IX (AgGt-178) in the City of Niagara Falls, Regional Municipality of Niagara, Ontario. This site is located on lands included in the proposed Upper's Quarry project. The excavation was completed as part of a Category 2, Class "A" licence application under the *Aggregate Resources Act*, R.S.O. 1990, c. A.8, as required by Policy No. 2.01.08 of the *Aggregate Resources Policies and Procedures Manual* (MNRF 2020). This final excavation report documents the background research and fieldwork involved in the investigation, and presents conclusions and recommendations pertaining to archaeological concerns.

The proposed licence boundary ('study area') consists of an irregularly-shaped parcel of land with a total area of 106.32 ha (Map 1). This parcel is generally bounded by agrarian lands to the north and south, Beechwood Road to the east and Thorold Townline Road to the west. The western half of the parcel is traversed by a tributary of Beaverdams Creek (also referred to as Uppers Creek), and the northern portion is traversed by Upper's Lane. Walker IX is located in the northwestern part of the proposed licensed boundary (SD Map 1). In legal terms, the site falls on part of Lot 119 in the Geographic Township of Stamford, former Welland County. The Crown obtained these lands from the Mississaugas as part of a larger purchase in 1784, but there were uncertainties relating to the description of the area involved in the surrender. The extent of the ceded territory was clarified during the Between the Lakes Purchase (Treaty 3) of 1792.

The Stage 4 excavation of Walker IX (AgGt-178) was conducted between October 2018 and August 2019 under Project Information Form (PIF) #P089-0113-2018. The investigation encompassed the full extent of the site. Legal permission to enter and conduct all necessary fieldwork activities was granted by the property owner. In compliance with the objectives set out in Section 4.0 of the 2011 *Standards and Guidelines for Consultant Archaeologists (S&Gs)*, this investigation was carried out in order to:

- Document the archaeological context, cultural features and artifacts for the site;
- Record the removal of the site; and
- Preserve the information about the site for future study.

The Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) is asked to review the results and recommendations presented herein and enter the report into the Ontario Public Register of Archaeological Reports. A Record of Indigenous Engagement is included in the project report package in accordance with the requirements set out in Section 7.6.2 of the 2011 *S&Gs*.

### 1.2 Historical Context

After a century of archaeological work in southern Ontario, scholarly understanding of the historical usage of the area has become very well-developed. With occupation beginning in the Palaeo period approximately 11,000 years ago, the greater vicinity of the study area comprises a complex chronology of Indigenous and Euro-Canadian histories. Section 1.2.1 summarizes the

region's settlement history, whereas Section 1.2.2 documents the study area's past and present land uses. Multiple previous archaeological reports containing relevant background information were identified during the research component of the study. These reports are summarized in Section 1.3.3, and the references (including title, author and PIF number) appear in Section 7.0.

## 1.2.1 Settlement History

### 1.2.1.1 Pre-Contact

The Pre-Contact history of the region is lengthy and rich, and a variety of Indigenous groups inhabited the landscape. Archaeologists generally divide this vibrant history into three main periods: Palaeo, Archaic and Woodland. Each of these periods comprise a range of discrete sub-periods characterized by identifiable trends in material culture and settlement patterns, which are used to interpret past lifeways. The principal characteristics of these sub-periods are summarized in Table 1.

**Table 1: Pre-Contact Settlement History**  
(Wright 1972; Ellis and Ferris 1990; Warrick 2000; Munson and Jamieson 2013)

Sub-Period	Timeframe	Characteristics
Early Palaeo	9000–8400 BC	Gainey, Barnes and Crowfield traditions; Small bands; Mobile hunters and gatherers; Utilization of seasonal resources and large territories; Fluted projectiles
Late Palaeo	8400–7500 BC	Holcombe, Hi-Lo and Lanceolate biface traditions; Continuing mobility; Campsite/Way-Station sites; Smaller territories are utilized; Non-fluted projectiles
Early Archaic	7500–6000 BC	Side-notched, Corner-notched (Nettling, Thebes) and Bifurcate traditions; Growing diversity of stone tool types; Heavy woodworking tools appear (e.g., ground stone axes and chisels)
Middle Archaic	6000–2500 BC	Stemmed (Kirk, Stanly/Neville), Brewerton side- and corner-notched traditions; Reliance on local resources; Populations increasing; More ritual activities; Fully ground and polished tools; Net-sinkers common; Earliest copper tools
Late Archaic	2500–900 BC	Narrow Point (Lamoka), Broad Point (Genesee) and Small Point (Crawford Knoll) traditions; Less mobility; Use of fish-weirs; True cemeteries appear; Stone pipes emerge; Long-distance trade (marine shells and galena)
Early Woodland	900–400 BC	Meadowood tradition; Crude cord-roughened ceramics emerge; Meadowood cache blades and side-notched points; Bands of up to 35 people
Middle Woodland	400 BC–AD 600	Local Saugeen-like tradition; Others argue for Point Peninsula tradition; Ceramics continue but many are undecorated; Seasonal settlements and resource utilization; Each watershed may have had a unique tradition; Regional patterns poorly understood at this time
Middle/Late Woodland Transition	AD 600–900	Princess Point tradition; Cord roughening, impressed lines and punctate designs on pottery; Adoption of maize horticulture at the western end of Lake Ontario; Oval houses and 'incipient' longhouses; First palisades; Villages with 75 people
Late Woodland (Early)	AD 900–1300	Glen Meyer tradition; Settled village-life based on agriculture; Small villages (0.4 ha) with 75–200 people and 4–5 longhouses; Semi-permanent settlements
Late Woodland (Middle)	AD 1300–1400	Uren and Middleport traditions; Classic longhouses emerge; Larger villages (1.2 ha) with up to 600 people; More permanent settlements (30 years)
Late Woodland (Late)	AD 1400–1600	Pre-Contact Neutral tradition; Larger villages (1.7 ha); Examples up to 5 ha with 2,500 people; Extensive croplands; Also, hamlets, cabins, camps and cemeteries; Potential tribal units; Fur trade begins ca. 1580; European trade goods appear

Although Iroquoian-speaking populations tended to leave a much more obvious mark on the archaeological record and are therefore emphasized in the Late Woodland entries above, it must be understood that Algonquian-speaking populations also represented a significant presence in southern Ontario. Due to the sustainability of their lifeways, archaeological evidence directly associated with the Anishinaabeg remains elusive, particularly when compared to sites associated with the more sedentary agriculturalists. Many artifact scatters in southern Ontario were likely camps, chipping stations or processing areas associated with the more mobile Anishinaabeg, utilized during their travels along the local drainage basins while making use of seasonal resources. This part of southern Ontario represents the ancestral territory of various Indigenous groups, each with their own land use and settlement pattern tendencies.

### 1.2.1.2 Post-Contact

The arrival of European explorers and traders at the beginning of the 17<sup>th</sup> century triggered widespread shifts in Indigenous lifeways and set the stage for the ensuing Euro-Canadian settlement process. Documentation for this period is abundant, ranging from the first sketches of Upper Canada and the written accounts of early explorers to detailed township maps and lengthy histories. The Post-Contact period can be effectively discussed in terms of major historical events, and the principal characteristics associated with these events are summarized in Table 2.

**Table 2: Post-Contact Settlement History**  
(Smith 1846; Coyne 1895; Lajeunesse 1960; Ellis and Ferris 1990; Surtees 1994; Hammerburg 2008; AO 2015; NFI 2021)

Historical Event	Timeframe	Characteristics
Early Exploration	Early 17 <sup>th</sup> century	Brûlé explores southern Ontario in 1610/11; Champlain travels through in 1613 and 1615/1616, making contact with a number of Indigenous groups (including the Algonquin, Huron-Wendat and other First Nations); European trade goods become increasingly common and begin to put pressure on traditional industries
Increased Contact and Conflict	Mid- to late 17 <sup>th</sup> century	Conflicts between various First Nations during the Beaver Wars result in numerous population shifts; European explorers continue to document the area, and many Indigenous groups trade directly with the French and English; 'The Great Peace of Montreal' treaty established between roughly 39 different First Nations and New France in 1701
Fur Trade Development	Early to mid-18 <sup>th</sup> century	Growth and spread of the fur trade; Peace between the French and English with the Treaty of Utrecht in 1713; Ethnogenesis of the Métis; Hostilities between French and British lead to the Seven Years' War in 1754; French surrender in 1760
British Control	Mid-18 <sup>th</sup> century	<i>Royal Proclamation</i> of 1763 recognizes the title of the First Nations to the land; Numerous treaties subsequently arranged by the Crown; First land cession under the new protocols is the Seneca surrender of the west side of the Niagara River in 1764; The Niagara Purchase (Treaty 381) in 1781 included this area
Loyalist Influx	Late 18 <sup>th</sup> century	United Empire Loyalist influx during and after the American Revolutionary War (1775–1783); British develop interior communication routes and acquire additional lands; Between the Lakes Purchase completed with the Mississaugas in 1784 and confirmed in 1792 (Treaty 3); <i>Constitutional Act</i> of 1791 creates Upper and Lower Canada
County Development	Late 18 <sup>th</sup> to early 19 <sup>th</sup> century	Became part of Lincoln County's 'Third Riding' in 1792; Became part of the Niagara District in 1798; Welland Canal was a major feature, conceived by W.H. Merritt and opened in 1829; Welland County formed from the southeastern part of Lincoln County in 1845; Independent after the abolition of the district system in 1849

Historical Event	Timeframe	Characteristics
Township Formation	Late 18 <sup>th</sup> to early 19 <sup>th</sup> century	The Township of Stamford was first allotted to approximately 12 families, and the earliest settlers included the Cooks and the Durhams from New Jersey in 1776; Philip George Bender and his family became the first settlers near Niagara Falls in 1782; Other members of Col. John Butler's Rangers and United Empire Loyalists arrived in 1784; The township was formerly called Mount Dorchester or Township No. 2, as it was the second township surveyed after Niagara; Philip Frey conducted the township survey in 1787, and Simcoe renamed it 'Stamford'
Township Development	Mid-19 <sup>th</sup> to early 20 <sup>th</sup> century	By the mid-19 <sup>th</sup> century, Stamford had a population of 2,636 comprising a mixture of Canadians, English, Irish, Scottish and Americans; Approximately 8,923 ha taken up in the township by 1846, 4,574 ha of which were under cultivation; Three grist mills in operation at that time; Traversed by the Great Western Railway (1853), the Erie & Ontario Railway (1854), the Great Western Railway's Canada Air Line (1873); the Canada Southern Railway's Montrose Branch (1883) and the St. Catharines & Niagara Central Railway (1887); Principal communities at Stamford, Clifton and Drummondville

## 1.2.2 Past and Present Land Use

### 1.2.2.1 Overview

During Pre-Contact and Early Contact times, the vicinity of the study area would have comprised a mixture of coniferous trees, deciduous trees and open areas. Indigenous communities would have managed the landscape to some degree. An Indigenous trail, current Lundy's Lane, is known to have traversed the township and is located south of the proposed licence boundary. During the late 18<sup>th</sup> and early 19<sup>th</sup> centuries, Euro-Canadian settlers arrived in the area and began to clear the forests for agricultural and settlement purposes. The study area was located northwest of the historical community of Clifton (renamed Niagara Falls in 1881). The land use at the time of assessment can be classified as agricultural (the field).

### 1.2.2.2 Mapping and Imagery Analysis

In order to gain a general understanding of the study area's past land uses, two historical settlement maps, one topographic map and one aerial image were examined during the research component of the study. Specifically, the following resources were consulted:

- G.R. and G.M. Tremaine's *Tremaines' Map of the Counties of Lincoln and Welland, Canada West* (1862) (OHCMP 2019);
- *Township of Stamford* from H.R. Page's *Illustrated Historical Atlas of the Counties of Lincoln & Welland, Ont.* (1876) (McGill University 2001);
- A topographic map from 1906 (OCUL 2021); and
- An aerial image from 1954 (University of Toronto 2021).

The location of the site is shown on georeferenced versions of the consulted historical resources in SD Map 2–SD Map 5.

*Tremaines' Map of the Counties of Lincoln and Welland, Canada West* (1862) indicates that Alexander Spencer occupied the western half of Lot 119 (SD Map 2). No structures are depicted in the vicinity of the site, although a tributary of Beaverdams Creek is illustrated to the east. The *Illustrated Historical Atlas of the Counties of Lincoln & Welland, Ont.* (1876) reveals that Alexander Spencer continued to reside on the western half of Lot 119. The Spencer farmstead is shown to the southeast of the site, on the opposite side of the tributary (SD Map 3). The topographic map from 1906 indicates that the site environs comprised cleared lands, and the contour lines suggest that the site fell on the top of a ridge overlooking the tributary (SD Map 4). The aerial image from 1954 demonstrates that the site fell within part of an agricultural field (SD Map 5).

### 1.3 Archaeological Context

The Stage 4 excavation was conducted between October 30, 2018 and August 7, 2019 under PIF #P089-0113-2018 (Table 6). ARA utilized Hemisphere S320 and Topcon HiPer SR GNSS receivers with RTK correction providing a precision of 1 cm during the investigation (UTM17/NAD83). The limits of the study area were confirmed using project-specific GIS data translated into GPS points for reference in the field, in combination with georeferenced aerial imagery showing extant structures and features in relation to the subject lands.

The archaeological context of any given study area must be informed by 1) the condition of the property as found (Section 1.3.1), 2) a summary of registered or known archaeological sites located within a minimum 1 km radius (Section 1.3.2) and 3) descriptions of previous archaeological fieldwork carried out within the limits of, or immediately adjacent to the property (Section 1.3.3).

#### 1.3.1 Condition of the Property

The study area lies within the deciduous forest region, which is the southernmost forest region in Ontario and is dominated by agricultural and urban areas. This region generally has the greatest diversity of tree and vegetation species, while at the same time having the lowest proportion of forest. It has most of the tree and shrub species found in the Great Lakes–St. Lawrence forest (e.g., white pine, red pine, hemlock, white cedar, yellow birch, sugar and red maples, basswood and red oak), and also contains black walnut, butternut, tulip, magnolia, black gum, many types of oaks, hickories, sassafras and red bud (MNRF 2021).

In terms of local physiography, the subject lands fall within the Haldimand Clay Plain. This region occupies all of the Niagara Peninsula above the escarpment and covers an area of roughly 3,500 km<sup>2</sup>. The plain itself consists of a series of parallel clay belts deposited during the time of proglacial Lake Warren. Although this area was once completely submerged, the till is not completely buried by stratified clay and it comes to the surface on low morainic ridges in the north (Chapman and Putnam 1984:156–159).

According to the Ontario Soil Survey, the site is located within an area of Niagara soils (NGR1). Niagara soils occur on rolling to smooth uplands and are characterized by imperfect drainage. Soil textures are variable, though Niagara loam is the most common. This type of soil is well suited for pastureland and the cultivation of fodder crops (Kingston and Presant 1989:32).

The subject lands fall within the Beaverdams Creek drainage basin, which is under the jurisdiction of the Niagara Peninsula Conservation Authority (NPCA 2021). Specifically, the site is located 42 m west of an unnamed wetland and 75 m west of a tributary of Beaverdams Creek (also referred to as Uppers Creek).

At the time of assessment, the site environs comprised part of a cultivated agricultural field west of the tributary of Beaverdams Creek. Soil conditions were acceptable for the activities conducted. No unusual physical features were encountered that affected fieldwork strategy decisions or the identification of artifacts or cultural features (e.g., dense root mats, boulders, rubble, etc.).

### 1.3.2 Registered or Known Archaeological Sites

The Ontario Archaeological Sites Database and the Ontario Public Register of Archaeological Reports were consulted to determine whether any registered or known archaeological resources occur within a 1 km radius of the subject site. The available search facility returned a total of 38 registered sites located within at least a 1 km radius (the facility returns sites in a rectangular area, rather than a radius, potentially resulting in results beyond the specified distance). In terms of other known resources (e.g., Isolated Non-Diagnostic Find Spots, Leads or unreported deposits), 57 unregistered sites were identified within a 1 km radius. The sites are summarized in Table 3.

**Table 3: Registered or Known Archaeological Sites within 1 km**

Borden No. / ID No.	Site Name / Identifier	Time Period	Affinity	Site Type	Distance from Site
AgGs-345	AgGs-345-P8	Pre-Contact	Indigenous	Unspecified	> 1 km
AgGs-346	AgGs-346-P10	Archaic, Late	Indigenous	Unspecified	> 1 km
AgGs-347	AgGs-347-P15-P24	Archaic, Late, Palaeo, Late	Indigenous	Unspecified	300 m–1 km
AgGs-348	AgGs-348-P40	Pre-Contact	Indigenous	Unspecified	300 m–1 km
AgGs-349	AgGs-349-P42	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-350	AgGs-350-P46-P47	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-351	AgGs-351-P50-p52	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-352	AgGs-352-P68	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-353	AgGs-353-P69	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-354	AgGs-354-P71	Woodland, Middle	Indigenous	Camp/campsite	> 1 km
AgGs-357	AgGs-357-P78	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-358	AgGs-358-P82	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-359	AgGs-359-P84	Pre-Contact	Indigenous	Camp/campsite	> 1 km
AgGs-370	Charles Fralick	Post-Contact	Euro-Canadian	Unspecified	> 1 km
AgGs-411	Walker XI	Post-Contact	Euro-Canadian	Farmhouse	300 m–1 km
AgGs-427	Walker XII	Pre-Contact, Post-Contact	Indigenous, Euro-Canadian	Scatter, Refuse	300 m–1 km
AgGs-428	Walker XVII	Pre-Contact	Indigenous	Scatter	300 m–1 km
AgGs-429	Walker XXIII	Early Archaic	Indigenous	Findspot	300 m–1 km
AgGs-430	Walker XVI	Pre-Contact	Indigenous	Scatter	300 m–1 km
AgGt-137	-	Other	Unspecified	Findspot	> 1 km
AgGt-175	Walker II	Pre-Contact	Indigenous	Campsite	300 m–1 km
AgGt-176	Walker X	Archaic, Middle	Indigenous	Campsite	50–300 m
AgGt-177	Walker VI	Pre-Contact	Indigenous	Campsite	300 m–1 km
AgGt-179	Walker I	Archaic, Late	Indigenous	Findspot	300 m–1 km
AgGt-180	Walker III	Pre-Contact	Indigenous	Campsite	50–300 m

Borden No. / ID No.	Site Name / Identifier	Time Period	Affinity	Site Type	Distance from Site
AgGt-181	Walker IV	Pre-Contact	Indigenous	Campsite	50–300 m
AgGt-182	Walker V	Pre-Contact	Indigenous	Campsite	< 50 m
AgGt-183	Walker VII	Archaic, Early	Indigenous	Findspot	300 m–1 km
AgGt-184	Walker VIII	Pre-Contact	Indigenous	Campsite	300 m–1 km
AgGt-260	-	Palaeo, Late	Indigenous	Camp/campsite	> 1 km
AgGt-261	Joy	Woodland, Late	Indigenous	Findspot	> 1 km
AgGt-271	Walker XIII	Pre-Contact, Post-Contact	Indigenous, Euro-Canadian	Scatter, Refuse	300 m–1 km
AgGt-272	Walker XIV	Pre-Contact	Indigenous	Camp/campsite	300 m–1 km
AgGt-273	Walker XV	Pre-Contact	Indigenous	Camp/campsite	300 m–1 km
AgGt-274	Walker XVIII	Pre-Contact	Indigenous	Scatter	50–300 m
AgGt-275	Walker XIX	Pre-Contact	Indigenous	Scatter	50–300 m
AgGt-276	Walker XX	Pre-Contact, Post-Contact	Indigenous, Euro-Canadian	Scatter, Refuse	300 m–1 km
AgGt-278	Walker XXI	Pre-Contact, Post-Contact	Indigenous, Euro-Canadian	Scatter, Refuse	300 m–1 km
Unregistered	P1 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P5 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P7 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P11 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P12 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P13 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P14 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P37 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P38 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	P39 (ASI 2013)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #1 (AAL 2015)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #2 (AAL 2015)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #3 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #4 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #5 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #6 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #7 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #8 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #9 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #10 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #11 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #12 (AAL 2015)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #13 (AAL 2015)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #14 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #15 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #16 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #17 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #18 (AAL 2015)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #19 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #20 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #21 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #22 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #23 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #24 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #26 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #27 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #28 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km

Borden No. / ID No.	Site Name / Identifier	Time Period	Affinity	Site Type	Distance from Site
Unregistered	IF #29 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #30 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #31 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #32 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #33 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #34 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #35 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #36 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #37 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #38 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #39 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #41 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #42 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #43 (ARA 2020)	Pre-Contact	Indigenous	Findspot	50–300 m
Unregistered	IF #44 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #45 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #46 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #47 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	IF #48 (ARA 2020)	Pre-Contact	Indigenous	Findspot	300 m–1 km
Unregistered	Walker XXII (ARA 2020)	Post-Contact	Euro-Canadian	Refuse	300 m–1 km

Walker V (AgGt-182) is located within 50 m of Walker IX. As a relevant archaeological resource that could impact fieldwork strategy decisions and recommendations, this site is fully discussed in Section 1.3.3. Seventeen other sites are located between 50 and 300 m away, and the remaining sites represent more distant archaeological resources.

### 1.3.3 Previous Archaeological Work

Reports documenting the discovery of the subject site, any subsequent stages of fieldwork and assessments that resulted in the discovery of sites within adjacent lands were sought during the research component of the study. In order to ensure that all relevant past work was identified, an investigation was launched to identify reports involving assessments within 50 m of the site. The investigation determined that there are two available reports documenting previous archaeological fieldwork within the specified distance. One additional report documenting work within the greater project lands was also consulted. The relevant results and recommendations are summarized below as required by Section 7.5.8 Standards 4–5 of the 2011 *S&Gs*.

#### 1.3.3.1 South Niagara Quarry (Stage 1)

The Stage 1 assessment for the South Niagara Quarry (current Upper's Quarry project) was conducted in December 2008 under CIF #P049-341-2008 (ASI 2008). The assessed area encompassed the entirety of the proposed licence boundary as well as additional lands. The Stage 1 assessment determined that the assessed area contained a mixture of areas of archaeological potential and areas of no archaeological potential. Identified areas of disturbance from past construction activities included footprints of extant residences (historical homesteads and modern construction), associated outbuildings and driveways. Permanently wet lands were also



documented within the proposed licence boundary. The remainder of the study area had potential for archaeological resources and was recommended for Stage 2 assessment (ASI 2008:9).

### 1.3.3.2 Walker Aggregates Inc. Lands (Stage 2–3)

Between October 2011 and May 2012, a Stage 2 assessment was conducted for the Walker Aggregates Inc. Lands project (current Upper's Quarry project) under PIF #P013-609-2011 and #P013-649-2012 (AAL 2015). The assessed area consisted of the majority of the original proposed licence boundary (a 3.2 ha portion was not surveyed). The Stage 2 assessment resulted in the identification of 28 locations of archaeological materials: unregistered findspots IF #1 to #18 and larger sites Walker I to X. A summary of the larger registered sites is provided in Table 4.

**Table 4: Initial Stage 2 Assessment Results**

Identifier	Borden No.	Location	Results	Interpretation	CHVI
Walker I	AgGt-179	Western portion; In the northeast section of a large agricultural field; On a knoll overlooking a seasonal watercourse	Indigenous; One Lamoka projectile point; Surface find	Isolated Late Archaic findspot	No
Walker II	AgGt-175	Southern portion; In the northwest corner of a large agricultural field; On a broad knoll overlooking a watercourse	Indigenous; Small lithic scatter found in a 20 x 25 m area; Consists of 10+ undiagnostic lithics	Small short-term campsite	Yes
Walker III	AgGt-180	Central portion; In the northeast corner of a large agricultural field; On a knoll overlooking lowlands and a watercourse	Indigenous; Small lithic scatter found in a 5 x 5 m area; Consists of three undiagnostic lithics	Small short-term campsite	No
Walker IV	AgGt-181	Northwestern portion; In the eastern section of a large agricultural field; On a ridge overlooking a watercourse	Indigenous; Small lithic scatter found in a 15 x 1 m area; Consists of three undiagnostic lithics	Small short-term campsite	No
Walker V	AgGt-182	Northwestern portion; In the eastern section of a large agricultural field; On a broad plateau overlooking a seasonal watercourse	Indigenous; Small lithic scatter found in an 8 x 1 m area; Consists of three undiagnostic lithics	Small short-term campsite	No
Walker VI	AgGt-177	Central portion; In the northwest section of a large agricultural field; On a knoll overlooking a seasonal drainage	Indigenous; Moderately sized lithic scatter found in a 40 x 18 m area; Consists of 25+ surface lithics	Campsite	Yes
Walker VII	AgGt-183	Southern portion; In the northern section of a large agricultural field; On a knoll	Indigenous; One Nettling projectile point; Surface find	Isolated Early Archaic findspot	No
Walker VIII	AgGt-184	Southwestern portion; In the southeastern section of a large agricultural field; On a knoll overlooking a watercourse	Indigenous; Small lithic scatter found in a 26 x 1 m area; Consists of three undiagnostic lithics	Small short-term campsite	No
Walker IX	AgGt-178	Northwestern portion; In the eastern section of a large agricultural field; On a ridge overlooking a watercourse	Indigenous; Large and diffuse lithic scatter found in a 60 x 25 m area with a 10 x 10 m artifact cluster; Consists of 35+ surface lithics	Campsite	Yes

Identifier	Borden No.	Location	Results	Interpretation	CHVI
Walker X	AgGt-176	Northern portion; In the northeastern corner of a large agricultural field; On two broad ridges separated by a low-lying swale, overlooking a seasonal drainage and a low-lying creek bed	Indigenous; Large surface scatter found in a 135 x 45 m area with two distinct eastern and western loci; Consists of 75+ surface lithics	Middle Archaic campsite	Yes

Only four of the twenty-eight sites, Walker II, Walker VI, Walker XI and Walker X, were determined to be of further cultural heritage value or interest (CHVI) and were recommended for Stage 3 site-specific assessment. The Stage 3 assessments of these four sites were conducted between May and August 2012 under PIF #P013-650/651/652/653-2012. The assessments involved controlled surface pick-ups (CSPs) and test unit excavation. A summary of the results is provided in Table 5.

**Table 5: Stage 3 Assessment Results**

Identifier	Borden No.	Results	Interpretation	CHVI
Walker II	AgGt-175	24 units; 18 were positive; No features; 94 lithic artifacts, including 15 from the CSP and 79 from test unit excavation; The assemblage consists of 93 lithic debitage and one side scraper; Mix of Haldimand and Onondaga chert	Small short-term campsite	Yes
Walker VI	AgGt-177	45 units; 34 were positive; No features; 235 lithic artifacts, including 43 from the CSP and 192 from test unit excavation; The assemblage consists of 235 lithic debitage artifacts, 1 biface, 1 core and 1 utilized flake; All of Onondaga chert	Campsite	Yes
Walker IX	AgGt-178	49 units; 31 were positive; No features; 184 lithic artifacts, including 49 from the CSP and 135 from test unit excavation; The assemblage consists of 183 lithic debitage artifacts and 1 core; All of Onondaga chert	Campsite	Yes
Walker X	AgGt-176	84 units; 44 were positive; No features; 373 lithic artifacts, including 147 from the CSP and 226 from test unit excavation; The assemblage consists of 358 debitage artifacts, 9 biface fragments, 3 cores, 1 projectile point, 1 scraper and 1 utilized flake; All of Onondaga chert; One diagnostic artifact, a Brewerton side-notched projectile point attributed to the Middle Archaic period	Middle Archaic campsite	Yes

Each site was determined to have further CHVI and was recommended for Stage 4 mitigation of development impacts. The following recommendations were made:

The results of the Stage 3 assessment indicated that all four sites are significant and have cultural heritage value. All four sites will require Stage 4 mitigation prior to the development of these lands. No soil disturbance or development activities can occur until after these four sites are subjected to either Stage 4 block excavations or Stage 4 avoidance and preservation. A 3.2 hectare area of the subject property also still requires a Stage 2 assessment.

If Stage 4 excavations are required at any of these four sites, it must consist of the block excavations by hand of a series of one metre square units across each site until

there are yields of fewer than 10 chipped stone artifacts at the edge of the block excavations (MTC 2011: 54). The focus of the Stage 4 block excavations at each site should be around all of the Stage 3 test units that contained 10 or more chipped stone artifacts. All aspects of the Stage 4 excavations and reporting must conform to the Ministry of Culture's Standards and Guidelines for Consultant Archaeologists (MTC 2011) (AAL 2015:20–21).

The associated report was entered into the Ontario Public Register of Archaeological Reports, but the date of entry could not be ascertained.

#### *1.3.3.3 Upper's Quarry Additional Lands (Stage 1–2)*

Additional Stage 1 and 2 assessments were conducted for the Upper's Quarry project between November 2018 and November 2019 under PIF #P007-0949-2018 (ARA 2020). The investigation included the areas not covered by the original assessment as well as new lands acquired for the project, all of which are more than 50 m away from the subject site. The Stage 1 assessment identified a mixture of areas of archaeological potential, areas of no archaeological potential and previously assessed lands of no further concern. The Stage 2 assessment resulted in the discovery of 41 new locations of archaeological materials within the proposed licence boundary, including 24 within the additional lands and 17 within previously assessed lands. A total of 19 sites were found to be of further CHVI, including IF #35 to #39, IF #41 to #44, Walker XI to XV, Walker XVII to XX and Walker XXIII. IF #19 to #24, IF #26 to #34, IF #45 to #48, Walker XVI and Walker XXI to XXII were found to be of no further CHVI.

In addition to comprehensive recommendations for additional fieldwork at the identified sites of further CHVI, the report also provided an updated recommendation for the four sites previously subject to Stage 3 assessment. The following recommendations were made:

Regarding Walker II (AgGt-175), Walker VI (AgGt-177), Walker IX (AgGt-178) and Walker X (AgGt-176), ARA reiterates the previous recommendation that each site requires a Stage 4 mitigation of development impacts (AAL 2015a:21). As avoidance is not possible, the sites should be subject to Stage 4 excavation in accordance with the requirements set out in Section 4.2.1, Section 4.2.2 and Section 4.3 of the 2011 *S&Gs*. An appropriate excavation method would comprise the hand excavation of the core of each site. The investigation must consist of block excavation around all high yielding units, defined as those with yields of 10 or more Indigenous artifacts and those that contain at least 2 formal tools, diagnostic artifacts, fire-cracked rock, bone or burnt artifacts. Block excavation must be continued until all high yielding units have been documented. The excavation must also include additional testing in a 5 m buffer zone beyond the limit of block excavation, if not already tested during the Stage 3 assessments, and must extend at least 2 m beyond any Indigenous cultural features.

The associated report was entered into the Ontario Public Register of Archaeological Reports on May 22, 2020. These recommendations were followed during the subject Stage 4 excavation (Section 2.1).

## 2.0 STAGE 4 EXCAVATION

### 2.1 Field Methods

#### 2.1.1 Overview

The Stage 4 excavation of Walker IX (AgGt-178) involved site relocation, block excavation and feature excavation. Environmental conditions were acceptable during the excavation, permitting the identification of subsurface cultural features, the safe recovery of artifacts, and the opportunity to document all excavated parts of the archaeological site. A breakdown of the specific fieldwork activities, weather and lighting conditions appears in Table 6. Damp soils were common due to poor natural drainage, and all areas deemed too wet to excavate were avoided until they dried out and the attending Indigenous representatives approved the conditions. ARA therefore confirms that fieldwork was carried out under weather and lighting conditions that met or exceeded the requirements set out in Section 4.2.1 Standard 3 and Section 7.11.1 Standard 1a of the 2011 *S&Gs*. During the investigation, an isolated artifact was also observed on the field surface roughly 43 m north of Walker IX and a limited surface pick-up was conducted.

**Table 6: Fieldwork Activities and Environmental Conditions**

Date	Activity	Field Director	Field Conditions	Weather Conditions	Temperature (°C)	Lighting Conditions
30/10/2018	Site Relocation	CP	Damp	Sunny	8	Excellent
12/11/2018	Site Relocation	LB	Dry	Cloudy	3	Good
21/05/2019	Site Relocation	CP	Dry	Sunny	17	Very Good
22/05/2019	Block Excavation	CP	Dry	Cloudy	15	Very Good
23/05/2019	Block Excavation	CP	Dry	Cloudy	23	Very Good
24/05/2019	Block Excavation	CP	Dry	Partly Cloudy	20	Very Good
27/05/2019	Block Excavation	CP	Damp	Sunny	20	Very Good
31/05/2019	Block Excavation, Feature 1 Identification	CP	Damp	Sunny	20	Very Good
03/06/2019	Block Excavation	CP	Dry	Partly Cloudy	13	Very Good
04/06/2019	Block Excavation	CP	Dry	Partly Cloudy	16	Very Good
05/06/2019	Block Excavation	CP	Dry	Cloudy	18	Very Good
06/06/2019	Block Excavation	CP	Damp	Cloudy	20	Good
07/06/2019	Block Excavation	CP	Dry	Sunny	23	Very Good
11/06/2019	Block Excavation	CP	Damp	Sunny	24	Very Good
12/06/2019	Block Excavation	CP	Dry	Sunny	22	Very Good
14/06/2019	Block Excavation	CP	Damp	Partly Cloudy	20	Very Good
17/06/2019	Block Excavation	CP	Damp	Sunny	24	Very Good
18/06/2019	Block Excavation	CP	Dry	Partly Cloudy	22	Very Good
19/06/2019	Block Excavation	CP	Dry	Sunny	30	Very Good
24/06/2019	Block Excavation	CP	Dry	Partly Cloudy	23	Very Good
25/06/2019	Block Excavation	CP	Damp	Partly Cloudy	27	Very Good
26/06/2019	Block Excavation	CP	Dry	Sunny	32	Very Good
27/06/2019	Block Excavation	CP	Dry	Partly Cloudy	33	Very Good
28/06/2019	Block Excavation	CP	Dry	Sunny	34	Very Good
02/07/2019	Block Excavation	CP	Dry	Cloudy	32	Very Good
03/07/2019	Block Excavation	CP	Dry	Cloudy	33	Very Good
04/07/2019	Block Excavation	CP	Dry	Partly Cloudy	37	Very Good
05/07/2019	Block Excavation	CP	Dry	Sunny	40	Very Good
08/07/2019	Block Excavation	CP	Dry	Sunny	29	Very Good

Date	Activity	Field Director	Field Conditions	Weather Conditions	Temperature (°C)	Lighting Conditions
09/07/2019	Block Excavation	CP	Dry	Sunny	30	Very Good
10/07/2019	Block Excavation	CP	Dry	Sunny	38	Very Good
24/07/2019	Block Excavation	CP	Dry	Sunny	28	Very Good
25/07/2019	Block Excavation	CP	Dry	Sunny	33	Very Good
26/07/2019	Block Excavation	CP	Dry	Sunny	32	Very Good
29/07/2019	Block Excavation, Feature 1 Excavation	CP	Dry	Cloudy	37	Very Good
31/07/2019	Block Excavation, Feature 1 Excavation	CP	Damp	Partly Cloudy	31	Very Good
01/08/2019	Block Excavation	LB	Dry	Sunny	39	Excellent
06/08/2019	Block Excavation	CP	Dry	Sunny	35	Very Good
07/08/2019	Block Excavation	CP	Damp	Partly Cloudy	32	Very Good

The Stage 4 excavation strategy was designed to meet the requirements set out in Section 4.2.1, Section 4.2.2 and Section 4.3 of the 2011 *S&Gs*. An attempt was made to utilize the previous excavation grid to facilitate recording, but none of the previous units were observable and a new grid with revised numbering was established to keep the two systems separate. The datum point in the southeastern corner of the proposed licence boundary was relocated (SD Table 1). The findings from the previous assessments are reproduced in SD Map 6, and the results of the Stage 4 excavation are presented in Map 2–Map 6. Detailed site location information with aerial imagery appears in SD Map 7–SD Map 8. All image orientations are provided relative to grid north.

### 2.1.2 Site Relocation

Given that no traces of the previous units remained within the agricultural field, site relocation was initiated using the available GPS points (AAL 2015). These points were originally captured using a handheld instrument with an advertised precision of 5 m, but they encompassed an area measuring 80 x 35 m rather than the documented 60 x 25 m site extent, leaving the specific location of the site unclear. A mapping overlay was utilized to approximate the previous unit locations, and five test units were excavated through the assumed core of the site, including Units 356E:153N, 358E:153N, 360E:153N, 362E:153N and 364E:153N (Image 1–Image 2). No artifacts were recovered from any of the test units. During this work, surface artifacts were observed to the northeast and it was determined that the assumed location of the core of the site was incorrect. Block excavation was accordingly initiated within the actual core of the site.

### 2.1.3 Block Excavation

Block excavation was carried out around all high yielding units in order to fully document the core of the site. High yielding units are defined as those with yields of 10 or more Indigenous artifacts and those that contain at least 2 formal tools, diagnostic artifacts, fire-cracked rock, bone or burnt artifacts. Block excavation was initiated within the visible surface artifact concentration northeast of the test units and continued until all of the requirements set out in Table 4.1 of the 2011 *S&Gs* were met (Image 3–Image 10). Given that it was unclear whether the 5 m buffer zone beyond the limit of block excavation had been investigated during the Stage 3 assessment, additional testing of the site periphery was also conducted. A revised site extent was generated to better reflect the distribution of the finds, which eliminated a number of dispersed outliers.

A total of 176 one-metre units (171 block and 5 test) were stratigraphically excavated during the investigation, and the resultant profiles were examined for potential features and/or evidence of fill (Image 11–Image 18). Block excavation resulted in the identification of one potential feature: Feature 1. Unit depths ranged from 20 cm (Unit 380E:170N) to 37 cm (Unit 358E:153N), with an average depth of 28.5 cm.

#### **2.1.4 Feature Excavation**

Feature 1 was cleaned, fully exposed and investigated to determine if it was a cultural feature or just an unusual non-cultural layer (e.g., a root burn, rock pull, plough scar, animal burrow, etc.). Feature 1 was determined to be a cultural feature. In accordance with Section 4.2.1 Standard 7, Section 4.2.1 Standard 9 and Section 4.2.2 Standard 7 of the 2011 *S&Gs*, this feature was fully excavated by hand and mapped with scales and north orientation (Image 19–Image 20). Feature 1 contained artifacts extending into subsoil and was identified as a ghost feature; accordingly, piece-plotting was conducted using arbitrary levels of 5 cm to map the visible artifact concentrations. ARA confirms that block excavation extended a minimum of 2 m beyond Feature 1.

All excavations were continued into at least the first 5 cm of subsoil, and the soils were screened through mesh with an aperture of no greater than 6 mm and examined for archaeological materials. All artifacts were retained for review in the lab. Soil sampling was not required as the feature did not meet the criteria set out in Section 4.4 of the 2011 *S&Gs*.

#### **2.1.5 Limited Surface Pick-up**

The isolated artifact observed on the field surface roughly 43 m north of Walker IX was subject to a limited surface pick-up at the request of the Indigenous representatives. The location of the artifact was documented with a GPS device, and the find was collected for laboratory analysis. Based on the distance between this new find and the previously identified sites in this part of the proposed licence boundary, it was designated as IF #49.

#### **2.1.6 Artifact Documentation**

All of the archaeological resources encountered during the investigation were recorded on field maps, described in field notes and documented with a GPS unit in accordance with Section 5.0 Standard 2 of the 2011 *S&Gs*. As required by Table 7.1, Section 7.11.2 and Section 7.11.3 of the 2011 *S&Gs*, distinct Record of Finds and Analysis and Conclusions discussions are presented in Section 2.2–Section 2.3.

During laboratory processing of the retained finds, detailed analyses were carried out to provide 1) a record of the materials, 2) a basis for all recommendations and 3) enough information to help future researchers determine relevance to their studies. The finds were classified using ARA's devised typological system, which follows *Nomenclature for Museum Cataloging* (2018). In this system, chert types are determined as per *Cherts of Southern Ontario* (Eley and von Bitter 1989) and *Ontario Cherts Revisited* (Fox 2009), and lithics are classified using the definitions set out in *Lithic Analysis* (Odell 2004) and *Lithics: Macroscopic Approaches to Analysis* (Andrefsky 2005). Euro-Canadian artifacts are divided into classes, materials, object groups and object names using a variety of reference aids (e.g., MACL 2012; Chenoweth 2016; Lindsey 2021).

The archaeological materials are stored in polyethylene bags within Archive Box A922. This is a 30.5 x 25.4 x 38.1 cm light duty, double-bottom corrugated cardboard container labelled with its Archive Box designation. Box numbers are assigned in numerical order, and all associated information is entered in a secure digital catalogue for accurate tracking. Archive Boxes are stored on steel storage shelves at 465 Maple Avenue in Kitchener, Ontario.

## 2.2 Walker IX (AgGt-178)

### 2.2.1 Record of Finds

Walker IX (AgGt-178) was found to comprise a 27 x 19 m (NW-SE) scatter of Indigenous archaeological materials. The site occupies part of an agricultural field in the northwestern part of the proposed licence boundary, west of an unnamed wetland and tributary of Beaverdams Creek. The investigation encompassed the full extent of the site. The topography of the site can be classified as gently rolling.

#### 2.2.1.1 Site Stratigraphy

The stratigraphic sequence generally comprised brownish black clay loam ploughzone (Lot 1) over dull yellowish-brown clay with heavy compaction (Lot 2). One additional layer was documented during feature excavation (Lot 3). A summary of the identified lots (including counts of the retained finds) appears in Table 7.

**Table 7: Stratigraphic Summary**

Lot	Description	Average Thickness (cm)	Distribution	Interpretation	Count of Retained Finds
1	Brownish black clay loam with medium compaction	23.2	All units	Ploughzone	2,993
2	Dull yellowish-brown clay with heavy compaction	5.3 (portion)	All units	Subsoil	0
3	Dull yellowish-brown clay with heavy compaction	5.0	Feature 1	Feature fill	24
<b>Total Retained Finds</b>					<b>3,017</b>

#### 2.2.1.2 Archaeological Materials

A total of 3,017 artifacts were observed during block and feature excavation, all of which were collected. The retained assemblage consisted primarily of lithic debitage (n=2,875), although informal (n=131) and formal (n=11) lithic artifacts were also attested. The associated catalogue entries appear in Appendix A, Records 1–736 (Image 21–Image 23). A quantitative summary of the artifacts by descending frequency appears in Table 8 .

**Table 8: Summary of Indigenous Artifacts**

Material	Object Group	Object Name	Count	%
Onondaga Chert	Lithic Debitage	Flake (Fragment)	1,531	50.75%
		Flake (Biface Thinning)	854	28.31%
		Flake (Edge Trimming)	303	10.04%
		Decortication (Secondary)	62	2.06%
		Shatter	43	1.43%
		Flake (Primary)	2	0.07%
	Informal Lithic	Flake (Utilized Biface Thinning)	45	1.49%
		Flake (Utilized Fragment)	44	1.46%
		Core (Fragment)	16	0.53%
		Core (Utilized Fragment)	9	0.30%
		Core (Multidirectional)	5	0.17%
		Flake (Utilized Primary)	5	0.17%
		Decortication (Utilized Secondary)	1	0.03%
		Core (Unidirectional)	1	0.03%
		Flake (Utilized Fragment)	1	0.03%
		Core	1	0.03%
		Shatter (Utilized)	1	0.03%
		Core (Utilized Multidirectional Fragment)	1	0.03%
		Core (Utilized Multidirectional)	1	0.03%
		Formal Lithic	Biface (Fragment)	7
	Scraper (Spokeshave)		1	0.03%
	Scraper (Side Fragment)		1	0.03%
	Biface		1	0.03%
Scraper (End)	1		0.03%	
Onondaga Chert Total			2,937	97.35%
Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)	22	0.73%
		Flake (Fragment)	20	0.66%
		Flake (Biface Thinning)	13	0.43%
Kettle Point Chert Total			55	1.82%
Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)	9	0.30%
		Flake (Fragment)	4	0.13%
		Flake (Biface Thinning)	2	0.07%
Flint Ridge Chalcedony Total			15	0.50%
Indeterminate	Lithic Debitage	Flake (Fragment)	4	0.13%
		Flake (Biface Thinning)	2	0.07%
		Flake (Edge Trimming)	2	0.07%
Indeterminate Total			8	0.27%
Selkirk Chert	Lithic Debitage	Flake (Fragment)	1	0.03%
Selkirk Chert Total			1	0.03%
Haldimand Chert	Lithic Debitage	Flake (Fragment)	1	0.03%
Haldimand Chert Total			1	0.03%
<b>Grand Total</b>			<b>3,017</b>	<b>100.00%</b>

The lithic assemblage consisted mainly of artifacts of Onondaga chert (n=2,937), with the remainder represented by Kettle Point chert (n=55), Flint Ridge chalcedony (n=15), indeterminate chert (n=8), Selkirk chert (n=1) and Haldimand chert (n=1). Onondaga and Haldimand chert were locally available, whereas Selkirk chert comes from several areas along Lake Erie. It is probable that this material was obtained by seasonally-mobile individuals or through trade networks. The presence of Kettle Point chert (from near Sarnia) and Flint Ridge chalcedony (from eastern Ohio



and Pennsylvania) suggests acquisition through regional trade networks. The indeterminate chert is beige to light grey in colour and resembles Kettle Point chert and/or Flint Ridge chalcedony.

The predominance of biface thinning flakes (n=871) and edge trimming flakes (n=336) indicates that secondary flaking and tool retouching were major activities at the site. However, the presence of secondary decortication flakes (n=62) and primary flakes (n=2) indicate that some first-order tool production may have also occurred. The best represented informal lithic artifacts included utilized biface thinning flakes (n=45), utilized flake fragments (n=44) and core fragments (n=16), whereas the most common formal lithic artifacts were biface fragments (n=7). Interestingly, all of the informal and formal lithic artifacts were manufactured of Onondaga chert. A supplementary analysis of the formal and informal lithics is provided in Appendix B.

A small portion of the lithic assemblage was heat altered (n=103), including flake fragments (n=52), biface thinning flakes (n=37), edge trimming flakes (n=5), shatter (n=3), a secondary decortication, a utilized fragment flake, a utilized core fragment, a core fragment, a multidirectional core and a biface fragment. None of the lithic artifacts were diagnostic.

#### 2.2.1.3 Cultural Features

The investigation resulted in the identification of one cultural feature: Feature 1. Feature 1 was documented within Units 366E:161–163N and consisted of dull yellowish-brown clay with heavy compaction (Lot 3) resembling subsoil but containing lithic artifacts. The feature measured approximately 300 x 100 x 5 cm and had an irregular plan and profile (Map 6). A total of 24 lithic artifacts of Onondaga chert were recovered, including flake fragments (n=17), edge trimming flakes (n=4) and biface thinning flakes (n=3). The majority of these were recovered from the uppermost portion of Lot 3 (n=20), and there were no finds in the 5–10 cm depth range. None of the artifacts exhibited evidence of heat alteration. Feature 1 appears to represent a refuse pit that had lost any differentiating soil characteristics due to prolonged leeching.

#### 2.2.1.4 Settlement and Site Function Patterns

The excavation confirmed that the site consisted of an Indigenous deposit represented by a wide variety of lithic debitage, formal lithic and informal lithic artifacts. Given the lack of diagnostics, it remains unclear whether the site was single or multi-component. The highest yielding units were located in the centre of the scatter, which represents the core of the site and a major activity area. This locality was first identified during the Stage 3 assessment as a dense surface scatter with high yielding test units. The heat altered artifacts were also clustered within this area, and the cultural feature (a refuse pit) was located in the west-central part of the core. No other concentrations were observed, and the remainder of the site follows a typical core-to-periphery distribution pattern.

#### 2.2.1.5 Documentary Record

The inventory of the documentary record for this site is included in the overall inventory presented in Appendix D. This inventory includes a quantitative summary of the field notes, photographs and mapping materials associated with the project.

## **2.2.2 Analysis and Conclusions**

The results of the Stage 4 excavation indicate that Walker IX (AgGt-178) consists of a medium-sized deposit of Indigenous archaeological materials. Stratigraphy suggests that the site has a relatively moderate level of integrity, as there was no evidence of significant disturbance since the deposition of the materials, save for ploughing.

The assemblage consisted primarily of lithic debitage (n=2,875), although informal (n=131) and formal (n=11) lithic artifacts were also attested. None of the lithic artifacts were diagnostic, but such finds are usually dated to the Pre-Contact period (ca. 9000 BC–AD 1650). One cultural feature was documented (Feature 1), which consisted of a refuse pit. The core of the site fell within the central part of the scatter. The available evidence indicates that the site represents a campsite utilized for tool kit maintenance and resource procurement. The proximity of the site to the tributary and its associated riparian zone would have been ideal for hunting, fishing and fowling.

In terms of the site's place in the context of the archaeological history of Ontario, ARA believes that Walker IX represents a typical example of a moderately-sized campsite locality, as such sites are often characterized by a wide variety of lithic tools and debitage. The site is notable for its refuse pit and major area of artifact concentration, which have permitted the identification of a functional area associated with tool kit refurbishment in the centre of the deposit. No other evidence pertaining to depositional events, settlement and structural organization, ceremonial or ritual use, or group or individual expression was encountered.

## **2.3 IF #49**

### **2.3.1 Record of Finds**

IF #49 was identified during crewmember and representative transit between Walker IX and Walker X within the same agricultural field (SD Map 7). The site consisted of an isolated Indigenous artifact. The topography of the site can be classified as relatively flat. The stratigraphic sequence was not observed during the limited surface pick-up.

The isolated artifact was observed on the field surface and collected. The retained find consisted of a biface of Onondaga chert, which was originally a notched point that had been reworked with a rounded proximal end (potentially repurposed into a scraper). The associated catalogue entry appears in Appendix C, Record 737 (Image 23). The artifact did not exhibit evidence of heat alteration and was not diagnostic.

No cultural features or structural elements of potential CHVI were identified at IF #49. No distinct artifact concentrations were discernable. The inventory of the documentary record for this site is included in the overall inventory presented in Appendix D. This inventory includes a quantitative summary of the field notes, photographs and mapping materials associated with the project.

### **2.3.2 Analysis and Conclusions**

The results of the limited surface pick-up indicate that IF #49 comprises an isolated Indigenous artifact. The site appears to have a relatively moderate level of integrity, as there was no observable evidence of disturbance since the deposition of the materials, save for ploughing.

The assemblage consisted of a biface of Onondaga chert. The artifact was not diagnostic, but such finds are usually dated to the Pre-Contact period (ca. 9000 BC–AD 1650). The function of the deposit is unclear, though it is apparent that the site is related to the continual use of the area as evidenced by the concentration of sites within a 1 km radius.

When evaluated against the criteria set out in Section 2.2 of the 2011 *S&Gs*, the available evidence indicates that IF #49 is of no further CHVI. Specifically, less than 10 non-diagnostic artifacts were found within a 10 x 10 m area. IF #49 does not warrant further assessment.

### **3.0 RECOMMENDATIONS**

Walker IX (AgGt-178) has been fully excavated and documented to the extent required by the MHSTCI. Accordingly, the site has no further CHVI and requires no further assessment. IF #49 was found to be of no further CHVI and similarly does not require any additional assessment. The engaged Indigenous groups were provided with the report for their consideration and comment, and no concerns were raised.

## 4.0 ADVICE ON COMPLIANCE WITH LEGISLATION

Section 7.5.9 of the 2011 *S&Gs* requires that the following information be provided for the benefit of the proponent and approval authority in the land use planning and development process:

- This report is submitted to the Minister of Heritage, Sport, Tourism and Culture Industries 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 MHSTCI, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.
- It is an offence under Sections 48 and 69 of the *Ontario Heritage Act* for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed archaeological fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeology Reports referred to in Section 65.1 of the *Ontario Heritage Act*.
- Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48 (1) of the *Ontario Heritage Act*.
- The *Funeral, Burial and Cremation Services Act*, 2002, S.O. 2002, c.33 requires that any person discovering human remains must notify the police or coroner and the Registrar at the Ministry of Government and Consumer Services.

## 5.0 IMAGES



**Image 1: Test Unit Excavation**  
(October 30, 2018; Facing Northeast)



**Image 2: Test Unit Excavation**  
(October 30, 2018; Facing Northeast)



**Image 3: Block Excavation**  
(May 22, 2019; Facing Northeast)



**Image 4: Block Excavation**  
(May 31, 2019; Facing North)





**Image 5: Block Excavation**  
(June 4, 2019; Facing South)



**Image 6: Block Excavation**  
(June 18, 2019; Facing Southeast)



**Image 7: Block Excavation**  
(July 2, 2019; Facing South)



**Image 8: Block Excavation**  
(July 24, 2019; Facing Northwest)



**Image 9: Block Excavation**  
(August 7, 2019; Facing North)



**Image 10: Block Excavation**  
(August 7, 2019; Facing Northwest)





**Image 11: Unit 358E:153N**  
(October 30, 2018; Facing North)



**Image 12: Unit 365E:164N**  
(May 22, 2019; Facing North)



**Image 13: Unit 372E:161N**  
(June 3, 2019; Facing North)



**Image 14: Unit 372E:157N**  
(June 26, 2019; Facing North)



**Image 15: Unit 370E:169N**  
(July 24, 2019; Facing North)



**Image 16: Unit 375E:155N**  
(July 31, 2019; Facing North)





**Image 17: Unit 380E:165N**  
(August 1, 2019; Facing North)



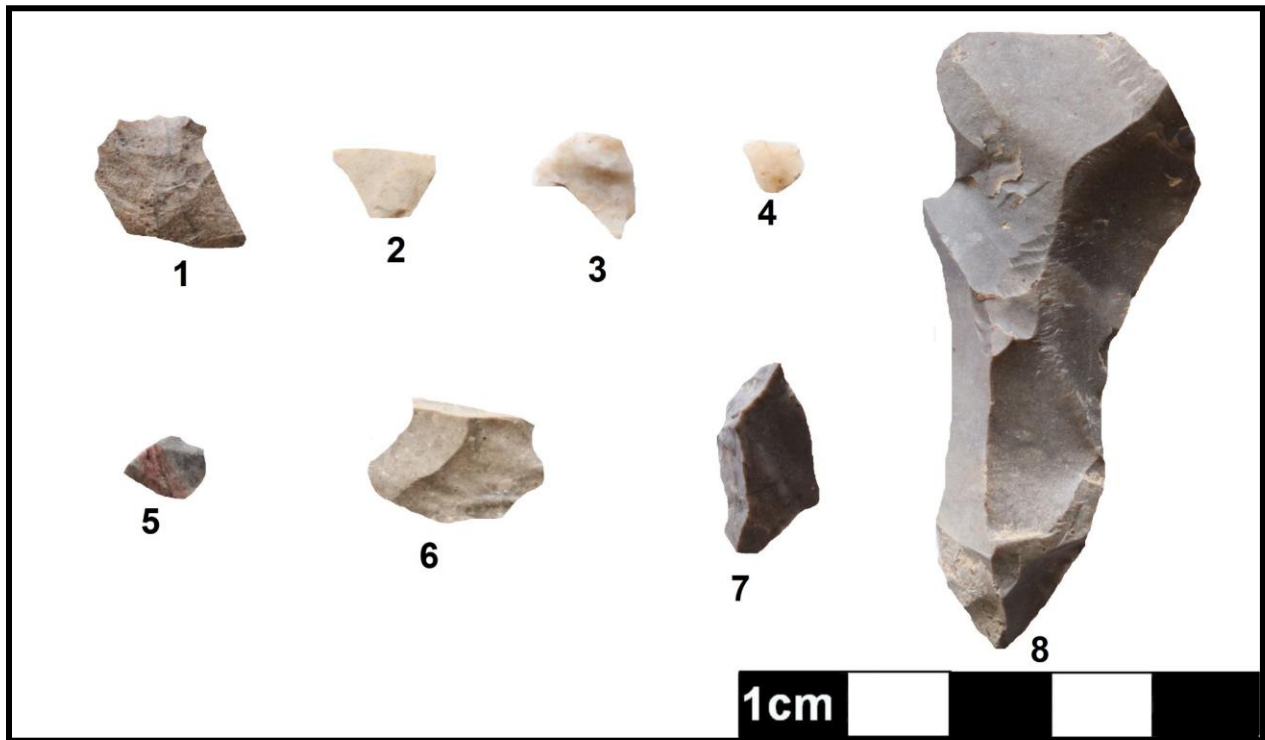
**Image 18: Unit 360E:165N**  
(August 7, 2019; Facing North)



**Image 19: Feature 1**  
(July 29, 2019; Facing West)

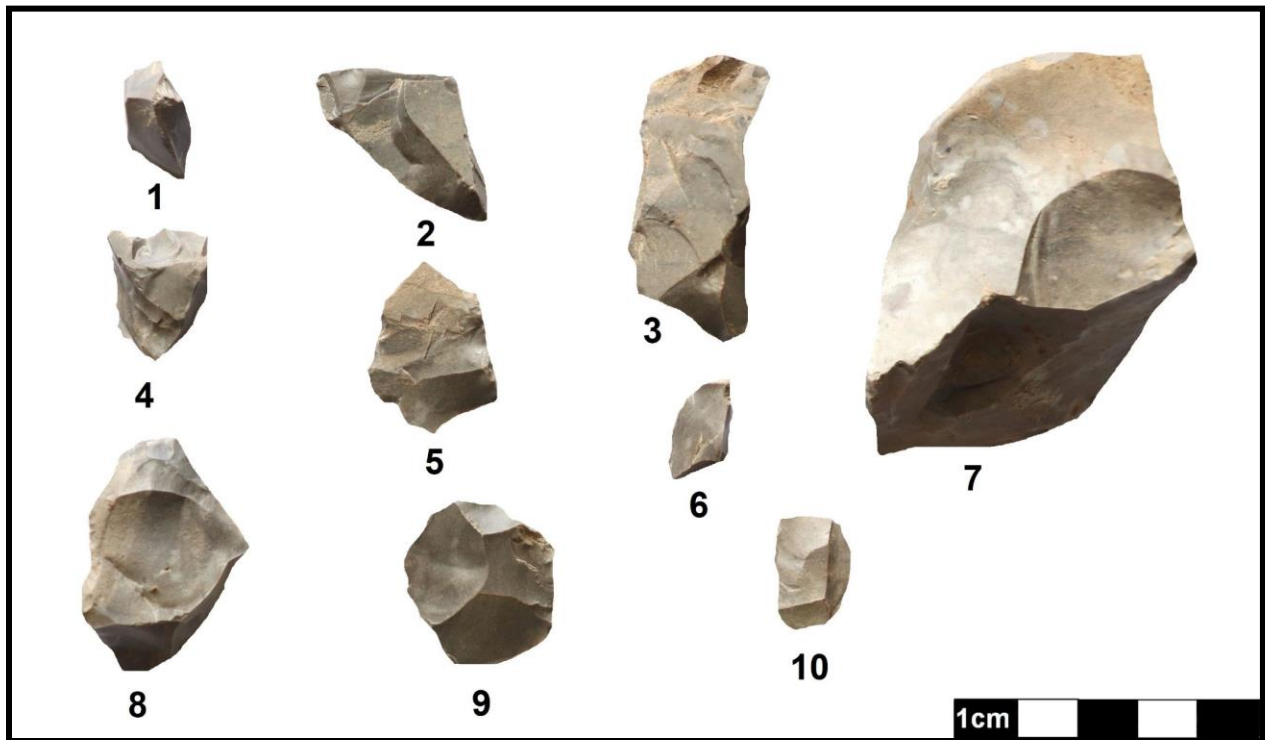


**Image 20: Feature 1**  
(July 31, 2019; Facing West)



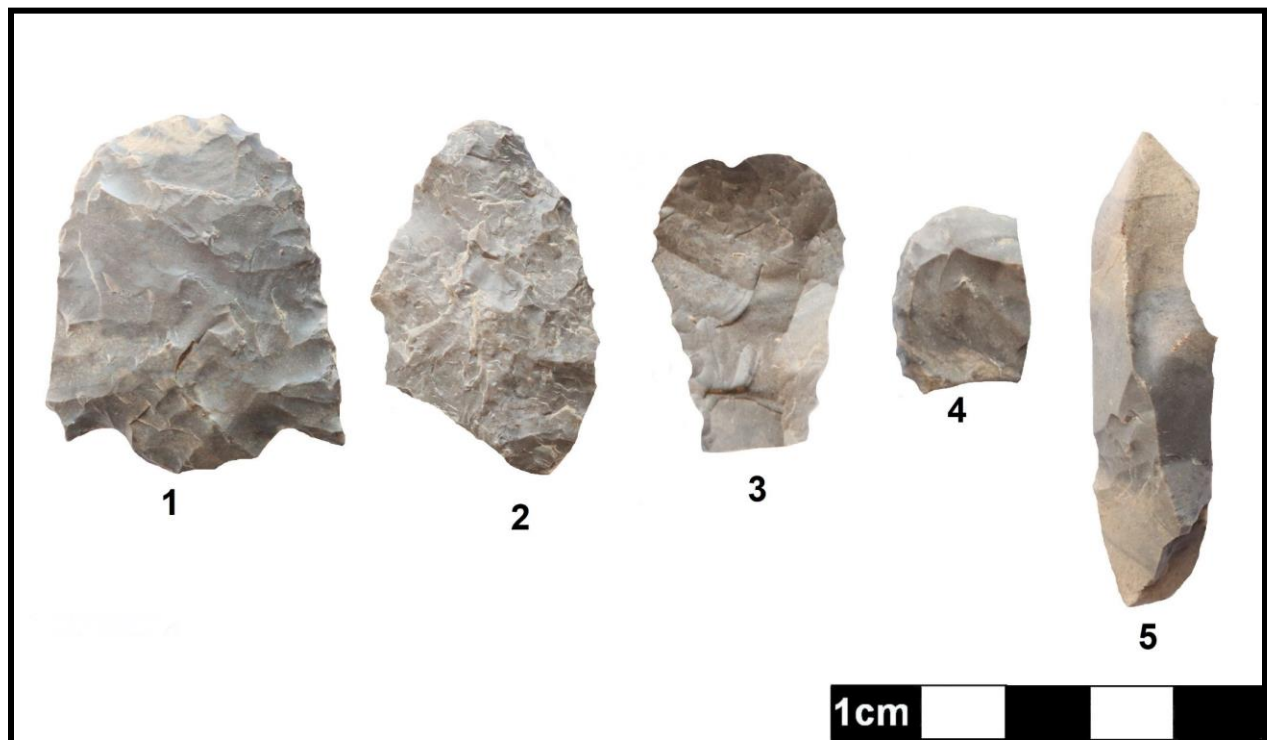
**Image 21: Sample of Lithic Debitage**

(1: Onondaga Chert Secondary Decortication, Record 39; 2: Haldimand Chert Flake Fragment, Record 198;  
3: Flint Ridge Chalcedony Biface Thinning Flake, Record 7; 4: Indeterminate Edge Trimming Flake, Record  
345; 5: Kettle Point Chert Flake Fragment, Record 357; 6: Selkirk Chert Flake Fragment, Record 356;  
7: Onondaga Chert Shatter, Record 54; 8: Onondaga Chert Primary Flake, Record 498)



**Image 22: Sample of Informal Lithic Artifacts**

(1: Onondaga Chert Core, Record 35; 2: Onondaga Chert Utilized Shatter, Record 152; 3: Onondaga Chert Utilized Core Fragment, Record 267; 4: Onondaga Chert Core Fragment, Record 25; 5: Onondaga Chert Utilized Biface Thinning Flake, Record 1; 6: Onondaga Chert Unidirectional Core, Record 262; 7: Onondaga Chert Multidirectional Core, Record 291; 8: Onondaga Chert Utilized Multidirectional Core Fragment, Record 732; 9: Onondaga Chert Utilized Primary, Record 12; 10: Onondaga Chert Utilized Fragment, Record 26)

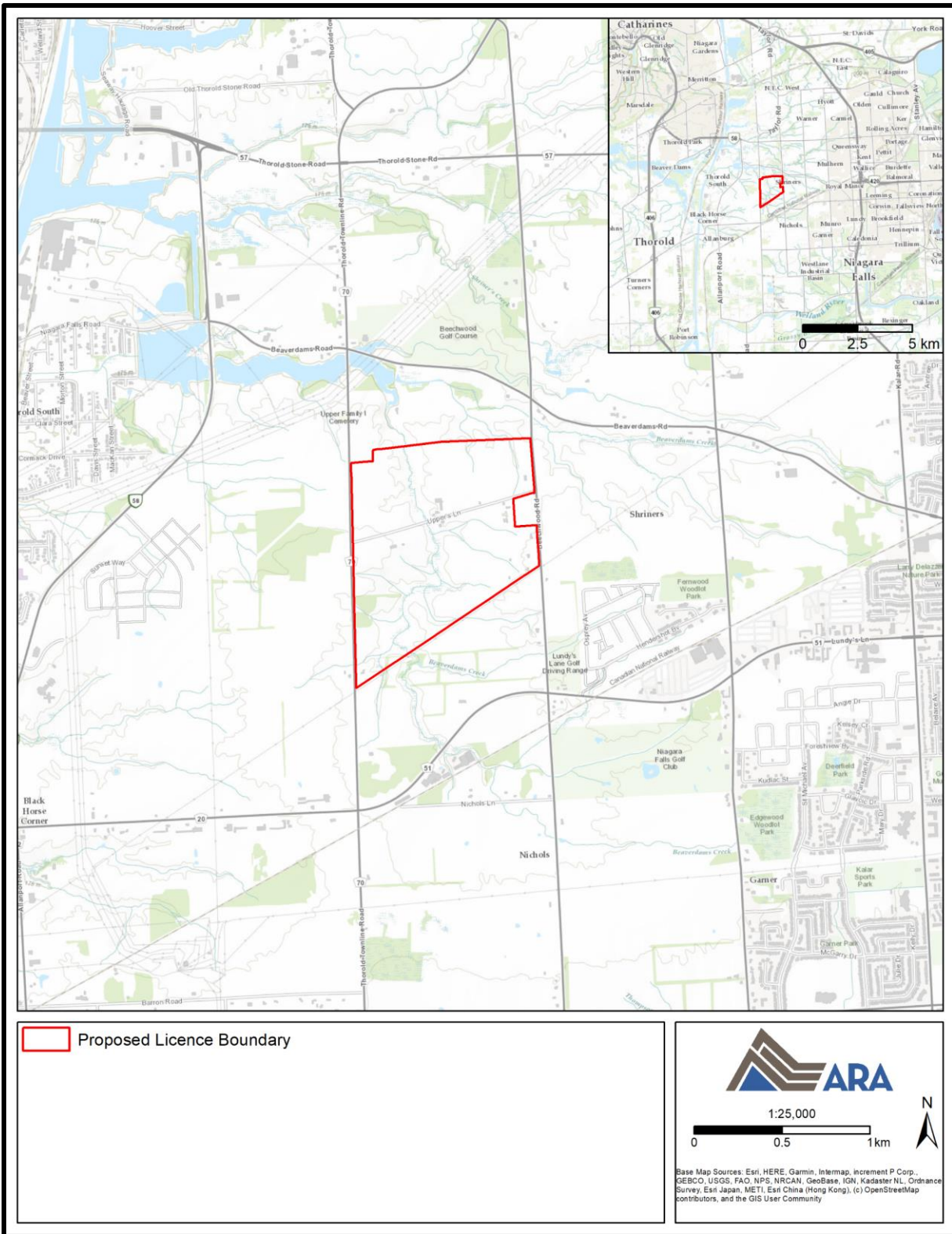


**Image 23: Sample of Formal Lithic Artifacts**

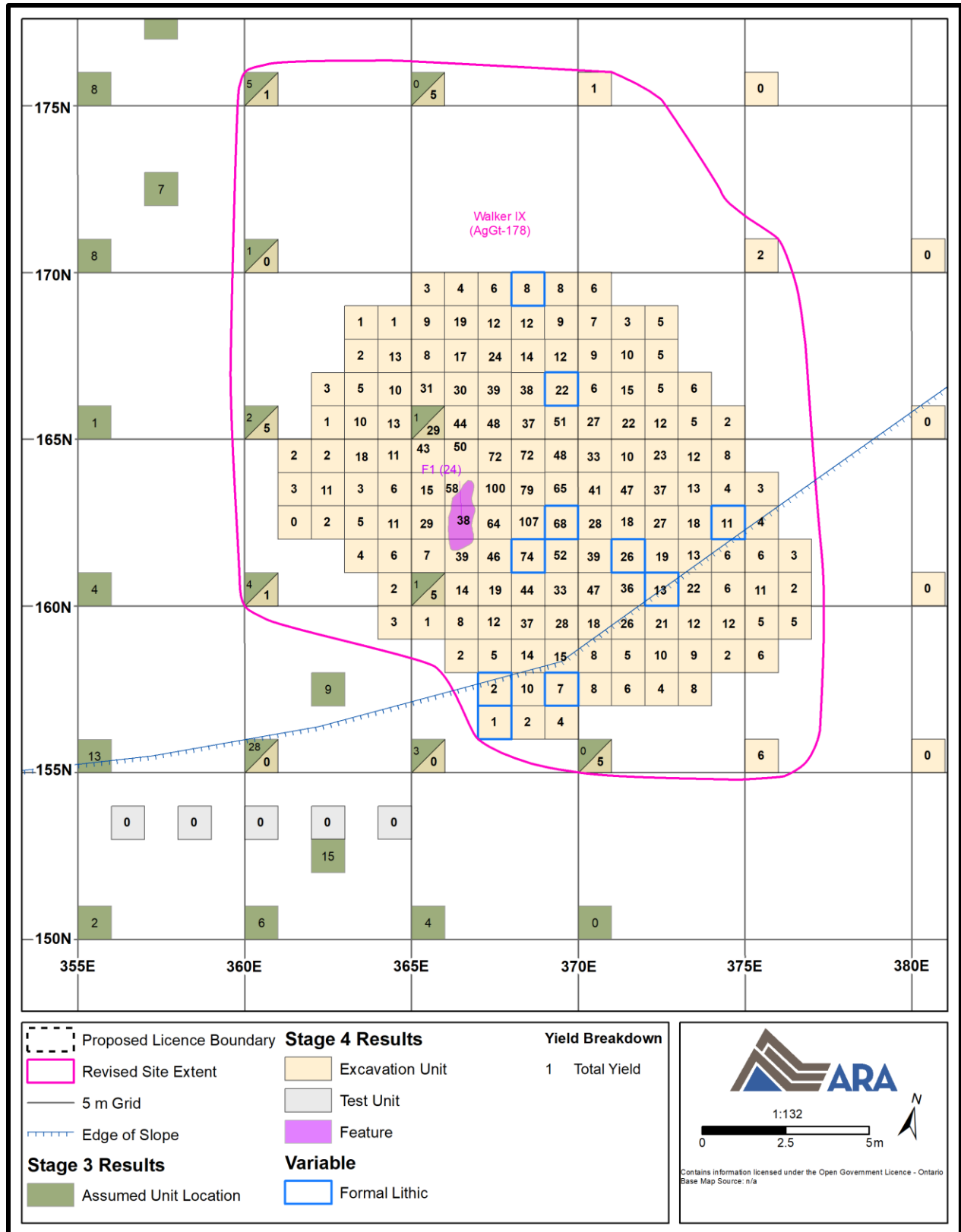
(1: Onondaga Chert Biface, Record 737; 2: Onondaga Chert Biface Fragment, Record 163; 3: Onondaga Chert End Scraper, Record 246; 4: Onondaga Chert Side Scraper Fragment, Record 451; 5: Onondaga Chert Spokeshave Scraper, Record 125)



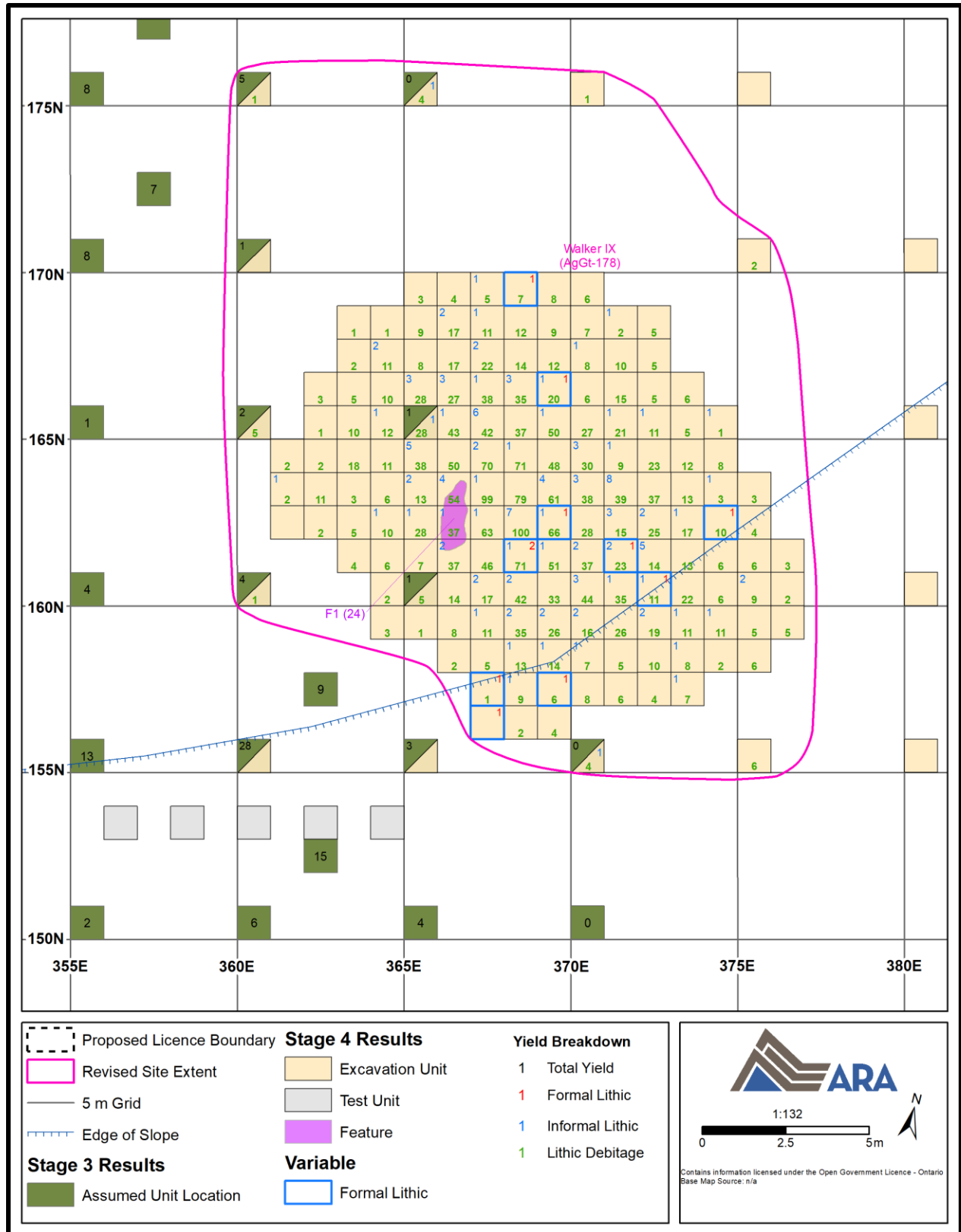
## 6.0 MAPS

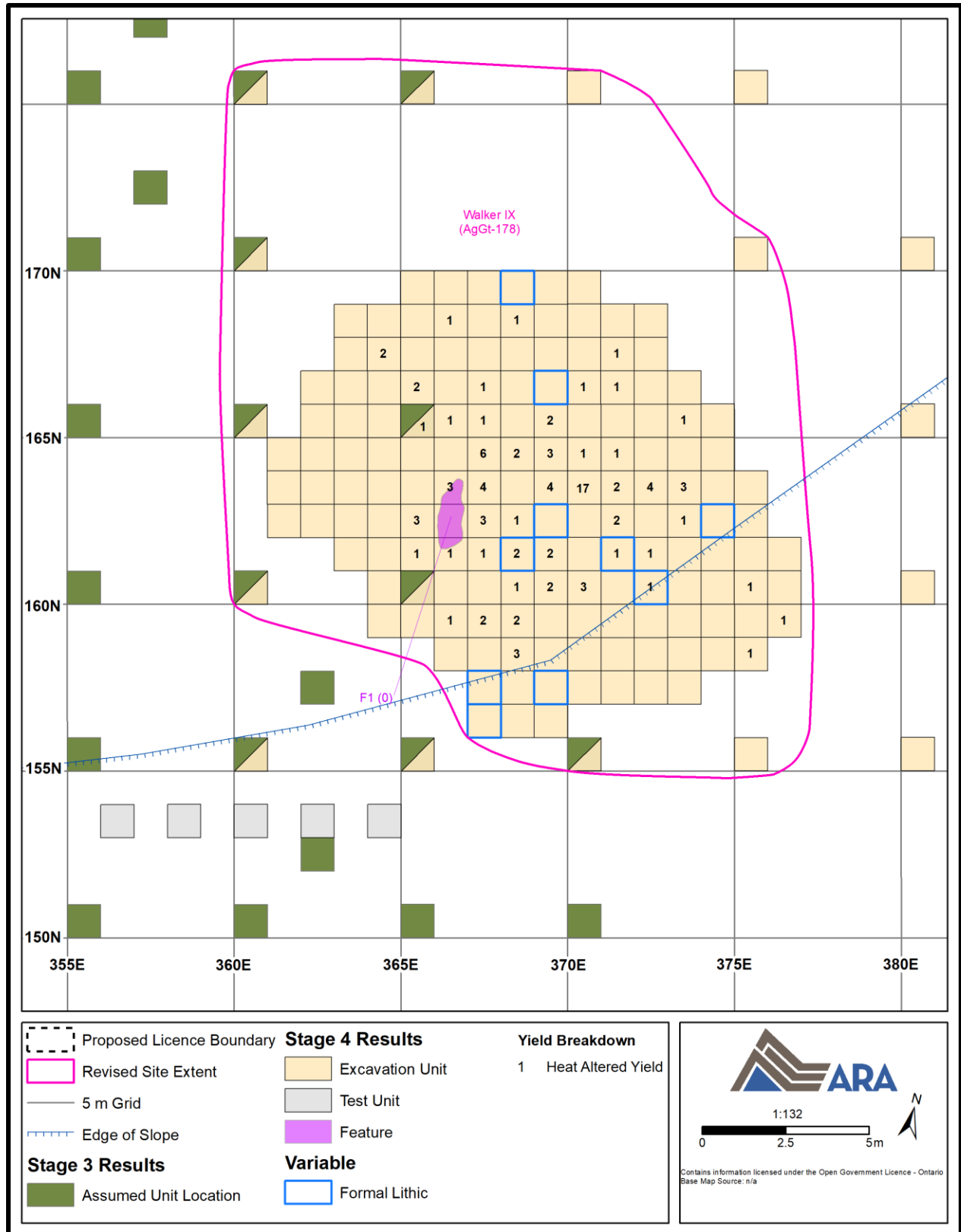


**Map 1: Location of the Study Area**  
(Produced under licence using ArcGIS® software by Esri, © Esri)

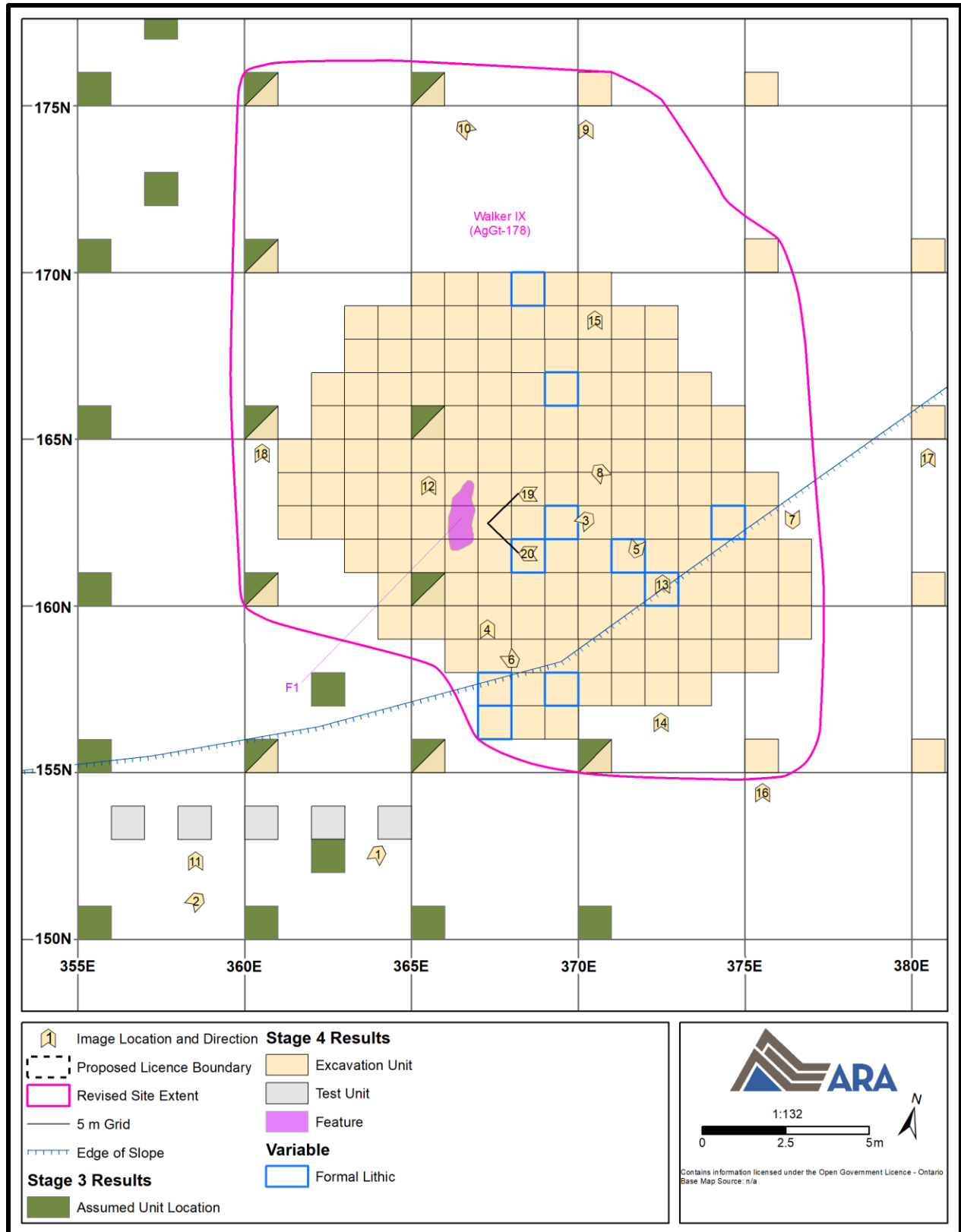


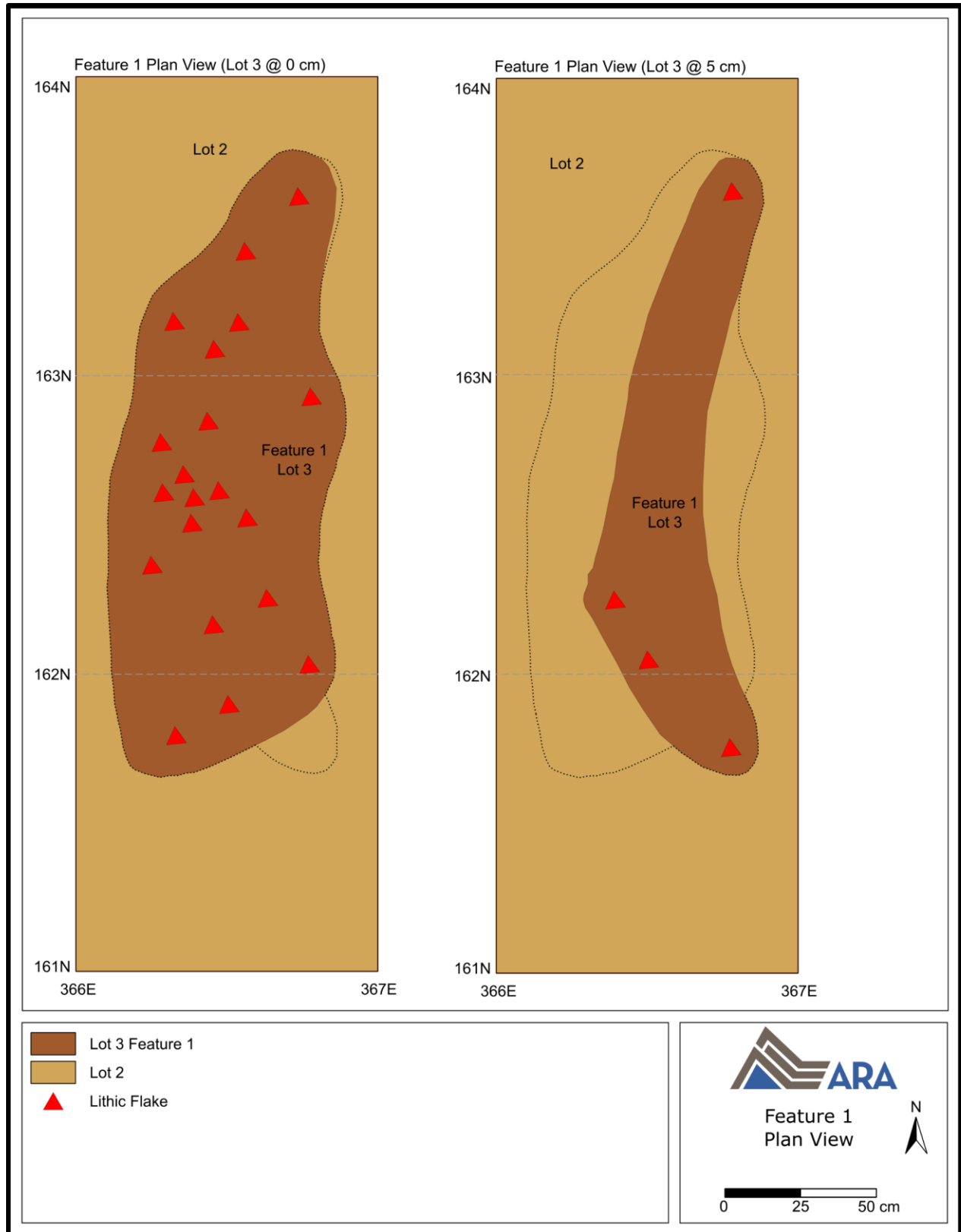
**Map 2: Total Yields**  
(Produced under licence using ArcGIS® software by Esri, © Esri)











**Map 6: Feature 1 (Piece Plots)**

(Produced under licence using CorelDRAW Graphics Suite® software by Corel, © Corel)

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## **APPENDICES**

**Appendix A: Archaeological Materials Catalogue – Walker XI**

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
1	367E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Irregularly Shaped Edge on Distal End of Dorsal Surface / Some Slightly Convex and Slightly Concave Areas of Trimmed Edge	No	A922
2	367E:159N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
3	367E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
4	367E:159N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
5	367E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
6	367E:159N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Fragment)		No	A922
7	371E:163N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Biface Thinning)		No	A922
8	371E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
9	371E:163N	1	19	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
10	371E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
11	371E:163N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
12	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Primary)	Flakes Taken from Dorsal Surface / Evidence Flake Scar Used as Platform / Light Trimming to Straight Edge on One Margin on Dorsal Surface	No	A922
13	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Bifacial Multidirectional	No	A922
14	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Primary)	Light Trimming to Concave Edge on Distal End of Ventral Surface	No	A922
15	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Straight Edge on Left Lateral Margin of Ventral Surface	No	A922
16	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Small Portion of Distal Margin with Flakes Removed / Straight Edge on Dorsal Surface	No	A922
17	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Flakes Removed from Bulb on Proximal End of Ventral Surface / Retouched Proximal Edge Forming Straight Edge on Ventral Surface	No	A922
18	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Light Trimming to Straight Edge on Lateral Margin of Both Dorsal and Ventral Surfaces.	No	A922
19	371E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Lightly Trimmed on Lateral Margins / One Margin Trimmed on Dorsal and Ventral Surfaces and One Only on Ventral Surface	No	A922
20	365E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
21	365E:164N	1	25	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
22	365E:164N	1	11	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
23	365E:164N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
24	365E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Bifacial Multidirectional	No	A922
25	365E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Possible Bifacial Core Fragment but Smaller Flake Removal at Edge Suggests Attempt to Make Edge Useable	No	A922
26	365E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimming to Irregular and Slightly Concave Shaped Edge on Lateral Margin of Dorsal and Ventral Surfaces	No	A922
27	365E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Very Light Trimming to Slightly Convex Edge on Ventral Surface	No	A922
28	365E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Multidirectional / Trimmed to Generally Straight Edge on One Margin	No	A922
29	366E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
30	366E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
31	368E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		Yes	A922
32	368E:158N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
33	368E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
34	368E:158N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
35	368E:158N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core	Exhausted / Rotated Multidirectional	No	A922
36	370E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
37	370E:162N	1	21	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
38	370E:162N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
39	370E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
40	367E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
41	367E:158N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
42	366E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
43	366E:160N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
44	366E:160N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
45	366E:160N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
46	372E:162N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
47	372E:162N	1	12	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
48	372E:162N	1	2	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
49	372E:162N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
50	372E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Light Trimming to Irregular Shape on One Lateral Margin of Dorsal Surface / Other Lateral Margin with Area Trimmed to Generally Straight Edge (Small) on Dorsal Surface	No	A922
51	372E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)	Lightly Trimmed to Mostly Straight Edge That Is Concavely Curved at One End / Located on Lateral Margin on Dorsal Surface	No	A922
52	372E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Edge Trimming Flakes Removed from Right Lateral Margin on Dorsal Surface / Convex Edge Shape	No	A922
53	370E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
54	370E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
55	370E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
56	370E:164N	1	17	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
57	370E:164N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
58	370E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Light Trimming on One Lateral Margin of Dorsal Surface / Straight to Slightly Convex Shape	No	A922
59	370E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Multidirectional / Light Trimming on One Margin with Small Concave Notch	No	A922
60	370E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Multidirectional / Small Concave Notch Flaked from One Edge	No	A922
61	372E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
62	372E:164N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
63	372E:164N	1	14	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
64	372E:164N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
65	372E:164N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
66	370E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
67	370E:163N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
68	370E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
69	370E:163N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
70	370E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
71	370E:163N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
72	370E:163N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
73	370E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
74	370E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Straight Edge on Right Lateral Margin of Ventral Surface	No	A922
75	370E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Straight Edge on One Margin of Dorsal Surface	No	A922
76	366E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
77	366E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
78	366E:159N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
79	366E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
80	366E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
81	371E:162N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)	Buff or Beige to Gray Colour / High Luster	No	A922
82	371E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
83	371E:162N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
84	371E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
85	371E:162N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
86	371E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Light Trimming to Straight Edge on Left Lateral Margin of Dorsal Surface	No	A922
87	371E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Light Trimming to Convex Edge on Both Dorsal and Ventral Surfaces of One Lateral Margin	No	A922
88	371E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Small Portion of One Margin with Trimming Observed / No Discernible Edge Shape	No	A922
89	372E:163N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
90	372E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
91	372E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
92	372E:163N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
93	372E:163N	1	12	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
94	372E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
95	372E:163N	1	18	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
96	371E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
97	371E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
98	371E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
99	371E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Burnt / Multidirectional	Yes	A922
100	371E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
101	372E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
102	372E:161N	1	2	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
103	372E:161N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
104	372E:161N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
105	372E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
106	372E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Very Small Area Trimmed to Straight Edge on Ventral Surface	No	A922
107	372E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Light Trimming on Small Portion of Ventral Surface / Trimmed to Straight Edge	No	A922
108	372E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Irregularly Shaped Edge on Distal Margin of Dorsal Surface	No	A922
109	372E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Convex Edge on Both Dorsal and Ventral Surfaces of One Margin	No	A922
110	372E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Small Portion of Light Trimming to an Irregular and Slightly Concave Edge on One Margin on Ventral Surface	No	A922
111	367E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
112	367E:160N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
113	367E:160N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
114	367E:160N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
115	367E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Very Lightly Trimmed to Straight Edge on Dorsal Surface of One Margin	No	A922
116	367E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Primary)	Lightly Trimmed on Distal Margin of Dorsal Surface / One Portion Slightly Convex and One Portion Slightly Concave	No	A922
117	371E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
118	371E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
119	371E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
120	371E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
121	371E:161N	1	10	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
122	371E:161N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
123	371E:161N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
124	371E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Concave Edge on Right Lateral Margin of Ventral Surface	No	A922
125	371E:161N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Scraper (Spokeshave)	Trimmed on Left Lateral Margin of Ventral Surface / Convex and Slightly Concave Portions	No	A922
126	369E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
127	369E:164N	1	29	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
128	369E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
129	369E:164N	1	11	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
130	369E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
131	373E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
132	373E:161N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
133	373E:161N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
134	369E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
135	369E:158N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
136	369E:158N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
137	369E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
138	369E:158N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922



Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
139	369E:158N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Straight Edge on Right Lateral Margin of Ventral Surface	No	A922
140	373E:160N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
141	373E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
142	373E:160N	1	2	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
143	373E:160N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Fragment)		No	A922
144	373E:160N	1	13	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
145	373E:160N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
146	373E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Lightly Trimmed to Straight Edge on Left Lateral Margin of Ventral Surface	No	A922
147	373E:162N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
148	373E:162N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
149	373E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
150	373E:162N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
151	373E:162N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
152	370E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Shatter (Utilized)	Very Lightly Trimmed to Straight Edge on One Margin	No	A922
153	370E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Irregular-Shaped Edge on Left Lateral Margin of Dorsal Surface	No	A922
154	370E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Decortication (Utilized Secondary)	Trimmed to Straight Edge on One Margin	No	A922
155	370E:160N	1	28	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
156	370E:160N	1	10	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
157	370E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
158	370E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
159	372E:160N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
160	372E:160N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
161	372E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
162	372E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Slightly Concave Edge on Left Lateral Margin of Ventral Surface	No	A922
163	372E:160N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Very Rough / Burnt / Generally Ovoid in Shape	Yes	A922
164	369E:161N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
165	369E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
166	369E:161N	1	29	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
167	369E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
168	369E:161N	1	17	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
169	369E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
170	369E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Convex Edge on Right Lateral Margin of Dorsal Surface	No	A922
171	369E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
172	369E:159N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
173	369E:159N	1	10	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
174	369E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Rotated Multidirectional / Very Lightly Trimmed to Mostly Straight or Slightly Concave Edge on One Margin	No	A922
175	369E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Lightly Trimmed to Straight Edge on Right Lateral Margin of Dorsal Surface	No	A922
176	371E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
177	371E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
178	371E:160N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
179	371E:160N	1	21	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
180	371E:160N	1	11	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
181	371E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Primary)	Trimmed to Straight or Slightly Concave Edges on Portions of Left Lateral Margin of Dorsal Ventral Surface and Left Lateral Margin of Dorsal surface	No	A922
182	373E:163N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
183	373E:163N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
184	373E:163N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		Yes	A922
185	373E:163N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
186	373E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
187	373E:163N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		Yes	A922
188	370E:159N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
189	370E:159N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
190	370E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
191	370E:159N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
192	370E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed on Left and Right Lateral Margins at Distal End on Dorsal Surface / Irregular Shaped Edges	No	A922
193	370E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Multidirectional / Flaked to Straight Edge on One Margin	No	A922
194	370E:159N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
195	373E:159N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
196	373E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
197	373E:159N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
198	373E:159N	1	1	Indigenous	Haldimand Chert	Lithic Debitage	Flake (Fragment)		No	A922
199	373E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
200	373E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
201	373E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Unidirectional Core Fragment / Very Small Area of Trimming at One End Slightly Convex in Shape	No	A922
202	367E:157N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
203	367E:157N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Very Small and Thin Fragment	No	A922
204	369E:157N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Very Rough Fragment / Some Bifacial Flaking but Not Refined / Trimmed to Irregular or Undulated Edge with Slightly Concave Portion and Convex Portion	No	A922
205	369E:157N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
206	369E:157N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
207	368E:157N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
208	368E:157N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
209	368E:157N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Mostly Straight or Slightly Convex Edge on One Margin of Ventral Surface	No	A922
210	370E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
211	370E:158N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
212	370E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
213	370E:158N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
214	370E:158N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Two Straight Edges Trimmed and Meet at Angle on Dorsal Surface	No	A922
215	371E:159N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
216	371E:159N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
217	371E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
218	371E:159N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
219	371E:159N	1	2	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
220	374E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
221	374E:160N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
222	374E:160N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
223	373E:158N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
224	373E:158N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
225	373E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
226	373E:158N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
227	373E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
228	373E:158N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Light Trimming to Slightly Convex Edge on Left Lateral Margin of Ventral Surface	No	A922
229	372E:159N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
230	372E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
231	372E:159N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
232	372E:159N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
233	372E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
234	372E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
235	372E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Unidirectional	No	A922
236	372E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Slightly Convex Edge on Dorsal Surface	No	A922
237	368E:161N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
238	368E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
239	368E:161N	1	41	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
240	368E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
241	368E:161N	1	18	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
242	368E:161N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
243	368E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Small Area on Right Lateral Margin of Dorsal Surface Trimmed to Very Slightly Concave Edge	No	A922
244	368E:161N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Very Rough / Bifacial Flaking / No Refined Trimming or Retouch	No	A922
245	368E:161N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Rough / Bifacially Flaked but With More Flaking on One Surface than Other / Some Concentrated Trimming on Margins	No	A922
246	367E:156N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Scraper (End)	Unifacially Flaked / Convex Scraper Edge / Likely Crafted from Biface Thinning Flake but Missing Platform	No	A922
247	374E:159N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
248	374E:159N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
249	374E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
250	374E:159N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
251	372E:158N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
252	372E:158N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
253	372E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
254	368E:156N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
255	368E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		Yes	A922
256	368E:162N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
257	368E:162N	1	11	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
258	368E:162N	1	58	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
259	368E:162N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
260	368E:162N	1	23	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
261	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimmed to Irregular and Slightly Convex Shaped Edge on Distal End of Dorsal Surface	No	A922
262	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Unidirectional)		No	A922
263	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Small Area of Trimming on Distal End	No	A922
264	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Lightly Trimmed to Straight Edge on Distal End of Dorsal Surface	No	A922
265	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Small Fragment with Light Trimming to Straight Edge on Ventral Surface	No	A922
266	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Straight Edge on Right Lateral Margin of Dorsal Surface	No	A922
267	368E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Small Fragment / Lightly Trimmed to Convex Edge on One Margin	No	A922
268	374E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
269	374E:158N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
270	371E:158N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
271	371E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
272	371E:158N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
273	369E:156N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
274	369E:156N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
275	374E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
276	374E:161N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
277	365E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
278	365E:161N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
279	365E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
280	365E:161N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
281	368E:164N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
282	368E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
283	368E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
284	368E:164N	1	35	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
285	368E:164N	1	24	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
286	368E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
287	368E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)		No	A922
288	374E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)	Multidirectional	No	A922
289	374E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
290	374E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
291	374E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Multidirectional)		No	A922
292	372E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
293	372E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Straight Edge on One Margin of Dorsal Surface	No	A922
294	372E:165N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
295	372E:165N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
296	372E:165N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
297	370E:157N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
298	370E:157N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
299	370E:165N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
300	370E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
301	370E:165N	1	13	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
302	370E:165N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
303	370E:165N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
304	365E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
305	365E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
306	365E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
307	374E:162N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
308	374E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
309	374E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
310	374E:162N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
311	374E:162N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
312	374E:162N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Refined / Possible Fragmented Projectile Point / Proximal Portion of the Biface / Refined Flaking and Trimming on Lateral Margins / Fractured at a Weak Spot in the Chert Possibly During Manufacture	No	A922
313	368E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
314	368E:163N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
315	368E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	shatter		No	A922
316	368E:163N	1	36	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
317	368E:163N	1	34	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
318	368E:165N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
319	368E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
320	368E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
321	368E:165N	1	2	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
322	368E:165N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
323	368E:165N	1	12	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
324	374E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
325	374E:164N	1	1	Indigenous	Indeterminate	Lithic Debitage	Flake (Fragment)	High Lustre / Translucent / Light Gray with Iron Straining / Some Characteristics Similar to Kettle Point or Flint Ridge	No	A922
326	374E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
327	374E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
328	371E:165N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
329	371E:165N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
330	371E:165N	1	13	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
331	371E:165N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
332	371E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Lightly Trimmed to Convex Edge on Distal Margin of Dorsal Surface	No	A922
333	375E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
334	375E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
335	371E:157N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Biface Thinning)		No	A922
336	371E:157N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
337	371E:157N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
338	375E:160N	1	1	Indigenous	Indeterminate	Lithic Debitage	Flake (Biface Thinning)	Buff or Beige to Light Gray with Iron Staining / Translucent / Some Characteristics Similar to Kettle Point or Flint Ridge	No	A922
339	375E:160N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
340	375E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
341	375E:160N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)	High Lustre / Light to Dark Gray / Slight Purple Colour / Possible Kettle Point	No	A922
342	375E:160N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
343	375E:160N	1	1	Indigenous	Indeterminate	Lithic Debitage	Flake (Edge Trimming)	Buff or Beige to Light Gray with Iron Staining / Translucent / Some Characteristics Similar to Flint Ridge or Kettle Point	No	A922
344	375E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
345	375E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Generally Straight Edge on Right Lateral Margin on Dorsal Surface / Lightly Trimmed on Portions of Right Lateral Margin of Ventral Surface	No	A922
346	375E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimmed to Two Straight Edges that Meet at Obtuse Angle on Ventral Surface	No	A922
347	373E:157N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Multidirectional)	Flaked and Trimmed to Two Edges Meeting at Angle	No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
348	373E:157N	1	3	Indigenous	Indeterminate	Lithic Debitage	Flake (Fragment)	Buff or Beige to Light Gray with Iron Staining / Translucent / Some Characteristics Similar to Flint Ridge or Kettle Point	No	A922
349	373E:157N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
350	373E:157N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
351	373E:157N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
352	375E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
353	375E:162N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
354	375E:162N	1	1	Indigenous	Indeterminate	Lithic Debitage	Flake (Edge Trimming)	Small / Buff or Beige Colour / Translucent	No	A922
355	375E:158N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
356	375E:158N	1	1	Indigenous	Selkirk Chert	Lithic Debitage	Flake (Fragment)		No	A922
357	375E:158N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
358	375E:158N	1	3	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
359	371E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
360	371E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
361	371E:166N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
362	371E:166N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
363	371E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
364	373E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
365	373E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
366	373E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
367	375E:159N	1	1	Indigenous	Indeterminate	Lithic Debitage	Flake (Biface Thinning)	High Lustre / Buff or Beige to Light Gray Colour with Iron Staining / Possible Flint Ridge or Kettle Point	No	A922
368	375E:159N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
369	375E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
370	375E:159N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
371	375E:161N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
372	375E:161N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
373	375E:161N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
374	369E:165N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
375	369E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
376	369E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		Yes	A922
377	369E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
378	369E:165N	1	21	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
379	369E:165N	1	19	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
380	369E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Slightly Convex Edge on Distal Margin of Dorsal Surface	No	A922
381	369E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)	Trimmed to Straight and Slightly Convex Edge on Dorsal Surface	No	A922
382	367E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Unidirectional / Lightly Trimmed to Straight Edge	No	A922
383	367E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimmed on Two Margins to Generally Straight Edges on Dorsal Surface	No	A922
384	367E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Lightly Trimmed to Straight Edge on Right Lateral Margin of Dorsal Surface	No	A922
385	367E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Small Portion on One Margin on Dorsal Surface Trimmed / Impacted by Fracture	No	A922
386	367E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Very Lightly Trimmed to Straight Edges on Lateral Margins of Ventral Surface / Impacted by Fracture	No	A922
387	367E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimmed to Straight Edge on Dorsal Surface	No	A922
388	367E:165N	1	13	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
389	367E:165N	1	21	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
390	367E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
391	367E:165N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
392	367E:165N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
393	372E:157N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
394	372E:157N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
395	372E:157N	1	2	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
396	367E:161N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
397	367E:161N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
398	367E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
399	367E:161N	1	19	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
400	367E:161N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
401	367E:161N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
402	367E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Straight or Slightly Convex Edge at Distal End of Dorsal Surface	No	A922
403	367E:163N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
404	367E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		Yes	A922
405	367E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
406	367E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
407	367E:163N	1	54	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
408	367E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
409	367E:163N	1	24	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
410	372E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
411	372E:166N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
412	372E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
413	372E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
414	367E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		Yes	A922
415	367E:164N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
416	367E:164N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
417	367E:164N	1	44	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
418	367E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
419	367E:164N	1	14	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
420	367E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Multidirectional)		No	A922
421	367E:164N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
422	367E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
423	367E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
424	367E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
425	367E:166N	1	19	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
426	367E:166N	1	12	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
427	367E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
428	367E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		Yes	A922
429	370E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
430	370E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
431	370E:166N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
432	367E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		Yes	A922
433	367E:162N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
434	367E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
435	367E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
436	367E:162N	1	32	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
437	367E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
438	367E:162N	1	21	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
439	367E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Trimmed to Straight Edge on Right Lateral Margin of Dorsal Surface	No	A922
440	365E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimmed to Straight Edge on Ventral Surface	Yes	A922
441	365E:162N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
442	365E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
443	365E:162N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
444	365E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
445	365E:162N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
446	369E:166N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
447	369E:166N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
448	369E:166N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
449	369E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Lightly Trimmed to Straight Edge on Right Lateral Margin of Dorsal Surface	No	A922
450	369E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
451	369E:166N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Scraper (Side Fragment)	Fracture Impact on Worked Edge	No	A922
452	365E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
453	365E:163N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
454	365E:163N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
455	365E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Lightly Trimmed to Straight Edge on Right Lateral Margin of Ventral Surface / Lightly Trimmed to Convex Edge on Right Lateral Margin of Dorsal Surface	No	A922
456	365E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Lightly Trimmed to Straight Edge on Distal End of Dorsal Surface / Lightly Trimmed to Straight Edge on Right Lateral Margin of Ventral Surface	No	A922
457	374E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
458	374E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Lightly Trimmed to Straight Edge on Left Lateral Margin of Ventral Surface	No	A922
459	373E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
460	373E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
461	373E:164N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
462	373E:164N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
463	366E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Irregular Shaped Trimmed Edge on Dorsal Surface	No	A922
464	366E:165N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
465	366E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
466	366E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
467	366E:165N	1	21	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
468	366E:165N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
469	368E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
470	368E:166N	1	24	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
471	368E:166N	1	10	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
472	368E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Multidirectional)		No	A922
473	368E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Trimmed to Mostly Straight Edge on Right Lateral Margin of Dorsal Surface	No	A922
474	368E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Lightly Trimmed in Multiple Areas / No Distinct Shape	No	A922
475	364E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
476	364E:161N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
477	364E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
478	373E:166N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
479	373E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
480	373E:166N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
481	372E:167N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
482	376E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
483	376E:161N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
484	376E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
485	376E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
486	376E:159N	1	3	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
487	370E:167N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Multidirectional Core Fragment / Lightly Trimmed to Straight Edge on One Margin	No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
488	370E:167N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
489	370E:167N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
490	364E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Very Lightly Trimmed on Left Lateral Margin of Dorsal Surface and Left Lateral Margin of Ventral Surface	No	A922
491	364E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
492	364E:162N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
493	364E:162N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
494	366E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
495	366E:164N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
496	366E:164N	1	27	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
497	366E:164N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
498	366E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Primary)		No	A922
499	366E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
500	366E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
501	366E:166N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
502	366E:166N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
503	366E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Small Area Lightly Trimmed to Slightly Concave Edge on Right Lateral Margin of Ventral Surface / Edge Impacted or Interrupted by Fracture	No	A922
504	366E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Flake Fragment Trimmed to Concave Spokeshave-Like Edge on One Margin with Portion of Same Margin Trimmed Straight	No	A922
505	366E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Flaked and Trimmed to Straight Edge on Ventral Surface	No	A922
506	376E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
507	376E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
508	371E:167N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
509	371E:167N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
510	371E:167N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
511	364E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
512	364E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
513	369E:163N	1	12	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
514	369E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
515	369E:163N	1	29	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
516	369E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
517	369E:163N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
518	369E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
519	369E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Unidirectional Core Fragment / Concave Notch Trimmed into Distal End	No	A922
520	369E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Fragment)	Multidirectional Fragment / Light Trimming on One Edge	Yes	A922
521	369E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Straight Edge Impacted by Fracture / Dorsal Surface	No	A922
522	369E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Straight Edge / Ventral / Distal	No	A922
523	365E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
524	365E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
525	365E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
526	365E:165N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
527	365E:165N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
528	365E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
529	365E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Straight Edge / Ventral Surface	No	A922
530	369E:167N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
531	369E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
532	369E:167N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
533	369E:167N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
534	369E:162N	1	14	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
535	369E:162N	1	35	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
536	369E:162N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
537	369E:162N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
538	369E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Very Small / Lightly Trimmed to Straight Edge on Ventral Surface	No	A922
539	369E:162N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface (Fragment)	Small Fragment / Triangular Shape	No	A922
540	371E:168N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Concave Notch / Left Lateral Margin / Ventral Surface	No	A922
541	371E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
542	371E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
543	364E:159N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
544	368E:167N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)	Slightly Convex Trimmed Edge on Ventral Surface with One Deeper Notch Flaked Out	No	A922
545	368E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
546	368E:167N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
547	368E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
548	365E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Straight / Dorsal	No	A922
549	365E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Straight with Concave Notch / Right Lateral / Dorsal Surface	No	A922
550	365E:166N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Primary)	Very Small Area at Distal End on Dorsal Surface Lightly Trimmed to Concave Edge	No	A922
551	365E:166N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
552	365E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
553	365E:166N	1	14	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
554	365E:166N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
555	370E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter	Flaking Characteristics Indicative of Core Shatter	No	A922
556	370E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Straight / Left Lateral / Ventral	No	A922
557	370E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Slightly Concave/ Left Lateral / Dorsal Surface	No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
558	370E:161N	1	13	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
559	370E:161N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
560	370E:161N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
561	364E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
562	364E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
563	364E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
564	370E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
565	370E:168N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
566	370E:168N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
567	369E:160N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
568	369E:160N	1	18	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
569	369E:160N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
570	369E:160N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Fragment)		No	A922
571	369E:160N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
572	365E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
573	365E:167N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
574	367E:167N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Multidirectional)		No	A922
575	367E:167N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Straight Edge on Dorsal Surface with Shallow Concave Notch	No	A922
576	367E:167N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
577	367E:167N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
578	367E:167N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
579	367E:167N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
580	372E:168N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
581	372E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
582	372E:168N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
583	369E:168N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
584	369E:168N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
585	369E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
586	366E:167N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
587	366E:167N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
588	366E:167N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
589	367E:168N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)		No	A922
590	367E:168N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
591	367E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
592	367E:168N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
593	367E:168N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
594	364E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
595	364E:164N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
596	364E:164N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
597	368E:168N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
598	368E:168N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
599	368E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
600	366E:168N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Small Area / Slightly Concave / Proximal / Ventral	No	A922
601	366E:168N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Multidirectional)		Yes	A922
602	366E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Primary)		No	A922
603	366E:168N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
604	366E:168N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
605	366E:168N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
606	363E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
607	363E:161N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
608	370E:169N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
609	370E:169N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
610	368E:169N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
611	368E:169N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
612	368E:169N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
613	368E:169N	1	1	Indigenous	Onondaga Chert	Formal Lithic	Biface	Rough / Bifacially Flaked but Not Refined / General Ovoid Shape	No	A922
614	364E:165N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)		No	A922
615	364E:165N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
616	364E:165N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
617	364E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
618	364E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)	Very Small Fragment / Straight Edge / Dorsal Surface	No	A922
619	369E:169N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
620	369E:169N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
621	363E:162N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
622	363E:162N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
623	364E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
624	364E:166N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
625	364E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
626	367E:169N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Small Area Trimmed to Concave Notch on One Margin of Ventral Surface	No	A922
627	367E:169N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922

Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
628	367E:169N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
629	368E:160N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Edge Trimming)		No	A922
630	368E:160N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
631	368E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
632	368E:160N	1	17	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
633	368E:160N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
634	368E:160N	1	16	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
635	368E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Small Area / Straight Edge / Right Lateral Margin / Ventral Surface	No	A922
636	368E:160N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Lightly Trimmed to Convex Edge on Proximal End of Dorsal Surface and to Straight Edge on Distal End of Ventral Surface	No	A922
637	365E:168N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
638	365E:168N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
639	366E:169N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
640	366E:169N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
641	364E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
642	364E:167N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
643	364E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
644	364E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
645	364E:167N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
646	364E:167N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Irregular Shaped Edge / Distal Margin	No	A922
647	364E:167N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Small / Concave Edge / Left Lateral Margin / Ventral Surface	No	A922
648	365E:169N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
649	365E:169N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
650	368E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Irregular Shaped Edge / Left Lateral Margin / Ventral Surface	No	A922
651	368E:159N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Slightly Convex Edge / Distal End / Dorsal Surface	No	A922
652	368E:159N	1	10	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
653	368E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		Yes	A922
654	368E:159N	1	15	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
655	368E:159N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
656	368E:159N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
657	368E:159N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
658	363E:164N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
659	363E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
660	363E:164N	1	1	Indigenous	Kettle Point Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
661	363E:164N	1	12	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
662	363E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
663	363E:166N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
664	363E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
665	364E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
666	363E:163N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
667	363E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
668	363E:165N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
669	363E:165N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
670	363E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
671	363E:167N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
672	362E:164N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
673	363E:168N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
674	375E:155N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
675	375E:155N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Fragment)		No	A922
676	375E:155N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
677	370E:155N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
678	370E:155N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
679	370E:155N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
680	362E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
681	366E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
682	366E:161N	1	5	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
683	366E:161N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922
684	366E:161N	1	22	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
685	366E:161N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
686	366E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Straight Edge with Concave Notch / Ventral Surface	No	A922
687	366E:161N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Straight Edge / Right Lateral Margin / Dorsal Surface	No	A922
688	366E:162N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
689	366E:162N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
690	366E:162N	1	4	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
691	366E:162N	1	8	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
692	366E:162N	1	22	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
693	366E:162N	1	1	Indigenous	Flint Ridge Chalcedony	Lithic Debitage	Flake (Fragment)		No	A922
694	366E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
695	366E:163N	1	6	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
696	366E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
697	366E:163N	1	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		Yes	A922



Record	Provenience	Lot	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Box
698	366E:163N	1	33	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
699	366E:163N	1	9	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
700	366E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Fragment)	Multidirectional	No	A922
701	366E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Concave Notch / Left Lateral Margin / Ventral Surface	No	A922
702	366E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Straight Edge / Dorsal Surface	No	A922
703	366E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Fragment)	Concave Notch / Ventral Surface	No	A922
704	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
705	Feature 1	3	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
706	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
707	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
708	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
709	Feature 1	3	11	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
710	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
711	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
712	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
713	Feature 1	3	3	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
714	Feature 1	3	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
715	362E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Shatter		No	A922
716	362E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
717	362E:163N	1	7	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
718	362E:163N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
719	375E:170N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
720	361E:163N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
721	361E:163N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Flake (Utilized Biface Thinning)	Very Lightly Trimmed / Convex Edge / Distal Margin / Ventral Surface	No	A922
722	362E:162N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
723	361E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
724	361E:164N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
725	370E:175N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
726	362E:166N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
727	362E:166N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
728	360E:160N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
729	365E:175N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
730	365E:175N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
731	365E:175N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Decortication (Secondary)		No	A922
732	365E:175N	1	1	Indigenous	Onondaga Chert	Informal Lithic	Core (Utilized Multidirectional Fragment)	Trimmed to Slightly Concave Edge on One Margin	No	A922
733	360E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Biface Thinning)		No	A922
734	360E:165N	1	2	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922
735	360E:165N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Edge Trimming)		No	A922
736	360E:175N	1	1	Indigenous	Onondaga Chert	Lithic Debitage	Flake (Fragment)		No	A922

**Appendix B: Supplementary Analysis of Formal and Informal Lithic Artifacts**

Object Group	Object Name	Record	Length (mm)	Width (mm)	Thickness (mm)	Blade Length (mm)	Haft Width (mm)	Completeness	Cross-Section	Lateral Edge Shape	Wear Length (mm)	Wear Shape	Wear Locale	
Formal Lithic	Scraper (Spokeshave)	125	54.7	13.6	7.2			Complete				Convex / Slightly Concave	Ventral / Left Lateral	
	Biface (Fragment)	163	41.31	25.64	12.49			Incomplete	Biconvex	Convex				
	Biface (Fragment)	203	10.17	8.7	2.59			Incomplete						
	Biface (Fragment)	204	28.37	17.5	7.42			Incomplete	Biconvex			Irregular		
	Biface (Fragment)	244	38.45	20.24	10.22			Incomplete				Irregular		
	Biface (Fragment)	245	33.6	24.83	8.03			Incomplete				Convex		
	Scraper (End)	246	34.84	23.49	5.96			Complete					Convex	
	Biface (Fragment)	312	42.69	32.79	7.33			Incomplete	Biconvex	Convex				
	Scraper (Side Fragment)	451	22.48	15.57	4.87			Incomplete				22.02		
	Biface (Fragment)	539	15.52	7.65	4.7			Incomplete	Planoconvex	Convex				
Biface	613	38.03	26.84	11.74			Complete	Biconvex						
Informal Lithic	Flake (Utilized Biface Thinning)	1						Complete				Irregular	Dorsal / Distal	
	Flake (Utilized Primary)	12						Incomplete				Straight	Dorsal	
	Core (Fragment)	13						Incomplete						
	Flake (Utilized Primary)	14						Complete				Concave	Ventral / Distal	
	Flake (Utilized Biface Thinning)	15						Complete				Straight	Ventral / Left Lateral	
	Flake (Utilized Biface Thinning)	16						Complete				Straight	Dorsal / Distal	
	Flake (Utilized Biface Thinning)	17						Complete				Straight	Ventral / Proximal	
	Flake (Utilized Biface Thinning)	18						Complete				Straight	Dorsal / Ventral / Lateral	
	Flake (Utilized Biface Thinning)	19						Complete				Convex / Straight	Dorsal / Ventral / Lateral	
	Core (Fragment)	24						Incomplete						
	Core (Fragment)	25	28.23	13.76	10.34			Incomplete	Plano-Convex		28.23	Convex		
	Flake (Utilized Fragment)	26						Incomplete				Irregular / Slightly Concave	Dorsal / Ventral / Lateral	
	Flake (Utilized Fragment)	27						Incomplete				Slightly Convex	Ventral	
	Flake (Utilized Fragment)	28						Incomplete				Straight		
	Core	35						Incomplete						
	Flake (Utilized Fragment)	50						Complete				Irregular / Straight	Dorsal / Lateral	
	Flake (Utilized Fragment)	52						Incomplete				Convex	Dorsal / Right Lateral	
	Flake (Utilized Fragment)	58						Incomplete				Straight / Slightly Convex	Dorsal / Lateral	
	Core (Utilized Fragment)	59						Incomplete				Concave		
	Core (Utilized Fragment)	60						Incomplete				Concave		
	Core (Fragment)	73						Incomplete						
	Flake (Utilized Biface Thinning)	74						Complete				Straight	Ventral / Right Lateral	
	Flake (Utilized Fragment)	75						Incomplete				Straight	Dorsal	
	Flake (Utilized Biface Thinning)	86						Complete				Straight	Dorsal / Left Lateral	
	Flake (Utilized Biface Thinning)	87						Complete				Convex	Dorsal / Ventral / Lateral	
	Flake (Utilized Fragment)	88						Incomplete					Dorsal / Ventral	
	Core (Fragment)	99						Incomplete						
	Flake (Utilized Fragment)	106						Incomplete				Straight	Ventral	
	Flake (Utilized Fragment)	107						Incomplete				Straight	Ventral	
	Flake (Utilized Biface Thinning)	108						Complete				Irregular	Dorsal / Distal	
	Flake (Utilized Fragment)	109						Incomplete				Convex	Dorsal / Ventral	
	Flake (Utilized Fragment)	110						Incomplete				Irregular / Concave	Ventral	
	Flake (Utilized Fragment)	115						Incomplete				Straight	Dorsal	
	Flake (Utilized Primary)	116						Complete				Slightly Convex / Slightly Concave	Dorsal / Distal	
	Core (Fragment)	117						Incomplete						
	Flake (Utilized Biface Thinning)	124						Complete				Concave	Ventral / Right Lateral	
	Flake (Utilized Fragment)	139						Incomplete				Straight	Ventral / Right Lateral	
	Flake (Utilized Biface Thinning)	146						Complete				Straight	Ventral / Left Lateral	
	Shatter (Utilized)	152						Complete				Straight		
	Flake (Utilized Biface Thinning)	153						Complete				Irregular	Dorsal / Left Lateral	
Decortication (Utilized Secondary)	154						Complete				Straight			
Flake (Utilized Biface Thinning)	162						Complete				Slightly Concave	Ventral / Left Lateral		
Flake (Utilized Fragment)	170						Complete				Convex	Dorsal / Right Lateral		
Core (Fragment)	174						Incomplete				Straight / Slightly Concave			
Flake (Utilized Biface Thinning)	175						Complete				Straight	Dorsal / Right Lateral		
Flake (Utilized Primary)	181						Complete				Straight / Slightly Concave	Dorsal / Ventral / Left Lateral		
Flake (Utilized Biface Thinning)	192						Complete				Irregular	Dorsal / Left Lateral / Right Lateral		
Core (Utilized Fragment)	193						Incomplete				Straight			
Core (Utilized Fragment)	201						Incomplete				Slightly Convex			
Flake (Utilized Fragment)	209						Incomplete				Straight / Slightly Convex	Ventral		
Flake (Utilized Fragment)	214						Incomplete				Straight	Dorsal		
Flake (Utilized Biface Thinning)	228						Complete				Slightly Convex	Ventral / Left Lateral		
Core (Fragment)	235						Incomplete							
Flake (Utilized Fragment)	236						Incomplete				Slightly Convex	Dorsal		
Flake (Utilized Biface Thinning)	243						Complete				Slightly Concave	Dorsal / Right Lateral		
Core (Fragment)	249						Incomplete							

Object Group	Object Name	Record	Length (mm)	Width (mm)	Thickness (mm)	Blade Length (mm)	Haft Width (mm)	Completeness	Cross-Section	Lateral Edge Shape	Wear Length (mm)	Wear Shape	Wear Locale
	Flake (Utilized Fragment)	261						Incomplete				Irregular / Slightly Concave	Dorsal / Distal
	Core (Unidirectional)	262						Complete					
	Flake (Utilized Biface Thinning)	263						Complete					
	Flake (Utilized Biface Thinning)	264						Complete				Straight	Dorsal / Distal
	Flake (Utilized Fragment)	265						Incomplete				Straight	Ventral
	Flake (Utilized Biface Thinning)	266						Complete				Straight	Dorsal / Right Lateral
	Core (Utilized Fragment)	267						Incomplete				Convex	
	Core (Fragment)	287						Incomplete					
	Core (Multidirectional)	291						Complete					
	Flake (Utilized Fragment)	293						Incomplete				Straight	Dorsal
	Flake (Utilized Biface Thinning)	332						Complete				Convex	Dorsal / Distal
	Flake (Utilized Biface Thinning)	345						Complete				Straight	Dorsal / Ventral / Right Lateral
	Flake (Utilized Fragment)	346						Incomplete				Straight	Ventral
	Core (Utilized Multidirectional)	347						Complete				Straight	
	Flake (Utilized Biface Thinning)	380						Complete				Slightly Convex	Dorsal / Distal
	Core (Utilized Fragment)	382						Incomplete					
	Flake (Utilized Fragment)	383						Incomplete				Straight	Dorsal
	Flake (Utilized Biface Thinning)	384						Complete				Straight	Dorsal / Right Lateral
	Flake (Utilized Fragment)	385						Incomplete				Straight	Dorsal
	Flake (Utilized Fragment)	386						Incomplete				Straight	Ventral / Lateral
	Flake (Utilized Fragment)	387						Incomplete				Straight	Dorsal
	Flake (Utilized Biface Thinning)	402						Complete				Straight / Slightly Convex	Dorsal / Distal
	Core (Multidirectional)	420						Complete					
	Core (Fragment)	421						Incomplete					
	Core (Fragment)	422						Incomplete					
	Flake (Utilized Biface Thinning)	439						Complete				Straight	Dorsal / Right Lateral
	Flake (Utilized Fragment)	440						Incomplete				Straight	Ventral
	Flake (Utilized Biface Thinning)	449						Complete				Straight	Right Lateral / Dorsal
	Flake (Utilized Fragment)	455						Incomplete				Straight / Convex	Dorsal / Ventral / Lateral
	Flake (Utilized Biface Thinning)	456						Incomplete				Straight	Dorsal / Ventral / Distal / Lateral
	Flake (Utilized Biface Thinning)	458						Complete				Straight	Ventral / Left Lateral
	Flake (Utilized Fragment)	463						Incomplete				Irregular	Dorsal
	Core (Multidirectional)	472						Complete					
	Flake (Utilized Fragment)	473						Incomplete				Straight	Dorsal / Right Lateral
	Flake (Utilized Biface Thinning)	474						Incomplete				Irregular	Dorsal / Ventral / Lateral
	Core (Utilized Fragment)	487						Incomplete				Straight	
	Flake (Utilized Fragment)	490						Incomplete					Dorsal / Ventral / Left Lateral
	Flake (Utilized Biface Thinning)	503						Incomplete				Slightly Concave	Ventral / Right Lateral
	Flake (Utilized Fragment)	504	31.03	19.56	6.74			Incomplete			8.91	Concave / Straight	
	Flake (Utilized Fragment)	505						Incomplete				Straight	Ventral
	Core (Utilized Fragment)	519						Incomplete				Concave	
	Core (Utilized Fragment)	520						Incomplete				Straight	
	Flake (Utilized Fragment)	521						Incomplete				Straight	Dorsal
	Flake (Utilized Biface Thinning)	522						Complete				Straight	Ventral / Distal
	Flake (Utilized Fragment)	529						Incomplete				Straight	Ventral
	Flake (Utilized Fragment)	538						Incomplete				Straight	Ventral
	Flake (Utilized Biface Thinning)	540						Complete				Concave	Ventral / Left Lateral
	Flake (Utilized Fragment)	548						Incomplete				Straight	Dorsal
	Flake (Utilized Biface Thinning)	549						Complete				Straight / Concave	Dorsal / Right Lateral
	Flake (Utilized Primary)	550						Complete				Concave	Dorsal / Distal
	Flake (Utilized Biface Thinning)	556						Complete				Straight	Ventral / Left Lateral
	Flake (Utilized Biface Thinning)	557						Complete				Slightly Concave	Dorsal / Left Lateral
	Core (Multidirectional)	574						Incomplete					
	Flake (Utilized Fragment)	575						Incomplete				Straight / Concave	Dorsal
	Core (Fragment)	589						Incomplete					
	Flake (Utilized Biface Thinning)	600						Complete				Slightly Concave	Ventral / Proximal
	Core (Multidirectional)	601						Complete					
	Flake (Utilized Fragment)	614						Incomplete					
	Flake (Utilized Fragment)	626						Incomplete				Concave	Ventral
	Flake (Utilized Biface Thinning)	635						Complete				Straight	Ventral / Right Lateral
	Flake (Utilized Biface Thinning)	636						Complete				Convex / Straight	Dorsal / Ventral / Proximal / Distal
	Flake (Utilized Biface Thinning)	646						Complete				Irregular	Distal
	Flake (Utilized Biface Thinning)	647						Complete				Concave	Ventral / Left Lateral
	Flake (Utilized Fragment)	650						Incomplete				Irregular	Ventral / Left Lateral
	Flake (Utilized Biface Thinning)	651						Complete				Slightly Convex	Dorsal / Distal
	Core (Fragment)	679						Incomplete					
	Flake (Utilized Fragment)	686						Incomplete				Straight / Concave	Ventral
	Flake (Utilized Biface Thinning)	687						Complete				Straight	Dorsal / Right Lateral
	Core (Fragment)	688						Incomplete					

Object Group	Object Name	Record	Length (mm)	Width (mm)	Thickness (mm)	Blade Length (mm)	Haft Width (mm)	Completeness	Cross-Section	Lateral Edge Shape	Wear Length (mm)	Wear Shape	Wear Locale
	Core (Fragment)	700						Incomplete					
	Flake (Utilized Fragment)	701						Incomplete				Concave	Ventral / Left Lateral
	Flake (Utilized Fragment)	702						Incomplete				Straight	Dorsal
	Flake (Utilized Fragment)	703						Incomplete				Concave	Ventral
	Flake (Utilized Biface Thinning)	721						Complete				Convex	Ventral / Distal
	Core (Utilized Multidirectional Fragment)	732						Incomplete				Slightly Concave	

**Appendix C: Archaeological Materials Catalogue – IF #49**

Record	Provenience	Count	Class	Material	Object Group	Object Name	Comments	Heat Altered	Length (mm)	Width (mm)	Thickness (mm)	Completeness	Cross-Section	Weight (g)	Blade Length (mm)	Lateral Edge Shape	Haft Width (mm)	Box
737	Surface	1	Indigenous	Onondaga Chert	Formal Lithic	Biface	Former Notched Projectile Point That Has Been Reworked with a Rounded Proximal End / Base Has Been Reworked with Trimming and Crushing / Characteristics Indicative of Being Reworked or Repurposed into Scraper	No	42.66	35.46	7.38	Complete	Biconvex	11.37	35.06	Straight	17.03	A922

**Appendix D: Documentary Record**

<b>Field Documents</b>	<b>Total</b>	<b>Nature</b>	<b>Location</b>
Photographs	409	Digital	On server at 219-900 Guelph Street, Kitchener
Notes	58	Digital and hard copy	Filed and on server at 219-900 Guelph Street, Kitchener
Maps	11	Digital and hard copy	Filed and on server at 219-900 Guelph Street, Kitchener

**Stage 4 Mitigation of Development Impacts  
Final Excavation Report  
Walker IX (AgGt-178)  
Upper's Quarry  
City of Niagara Falls  
Regional Municipality of Niagara  
Part of Lot 119  
Geographic Township of Stamford  
Former Welland County, Ontario**

Prepared for  
**Walker Aggregates**  
c/o  
**MHBC Planning**  
7050 Weston Road, Suite 230  
Woodbridge, ON L4L 8G7  
Tel: (905) 761-5588 Fax: (905) 761-5589

Licensed under  
**D.H. Knight**  
MHSTCI Licence #P089  
PIF #P089-0113-2018  
ARA File #2018-0188

**22/07/2021**

**Record of Indigenous Engagement**

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## 1.0 RECORD OF INDIGENOUS ENGAGEMENT

### 1.1 Summary of Events

The identification of Indigenous engagement contacts was based on knowledge about treaty areas and traditional territories, as well as direction from the proponent. Subsequent to approval from the proponent, the following Indigenous groups were contacted to determine whether they had an interest in participating in the project:

- The Department of Consultation & Accommodation (DOCA) on behalf of the Mississaugas of the Credit First Nation (MCFN);
- The Haudenosaunee Development Institute (HDI) on behalf of the Haudenosaunee Confederacy Chiefs Council (HCCC); and
- The Six Nations Lands & Resources Office (SNLR) on behalf of the Six Nations of the Grand River Elected Council (SNGREC).

Archaeological Research Associates Ltd. (ARA) engaged with each of these groups over the course of the investigation. In keeping with the requirements set out in Section 7.6.2 of the 2011 *Standards and Guidelines for Consultant Archaeologists*, a description of ARA's involvement in the process is summarized below. The 2011 *Engaging Aboriginal Communities in Archaeology* draft technical bulletin was also consulted for guidance.

ARA's involvement in the engagement process began with the circulation of an invitation to participate in the project (RoIE Appendix A). Subsequent engagement events consisted of conversations with the coordinators regarding the scheduling of fieldwork, on-site discussions with the field representatives and the distribution of the draft report for review and comment. A summary of engagement events appears in RoIE Table 1, and a breakdown of representative participation is provided in RoIE Table 2. It is ARA's understanding that each representative concurred with the strategies, methods and results of the investigation.

**RoIE Table 1: Summary of Engagement Events**

Group	Date	Engagement Event	Nature
DOCA on behalf of MCFN <i>Contacts: Megan DeVries and Joelle Williams</i>	17-Oct-18	Provided background information on the upcoming archaeological work for the property.	Email
	7-Nov-18	V. Cafik provided notice that field work would be cancelled for Friday November 9, 2018.	Email
	17-May-19	V. Cafik provided notice that fieldwork would be resuming for the 2019 Field Season beginning the following week. Deployment details were included.	Email
	24-May-19	V. Cafik provided updated deployment details for the following week.	Email
	27-May-19	V. Cafik provided notice that due to the weather forecast the Project Manager has decided to cancel fieldwork for the week with potential for a return on Friday. ARA noted that we would be in touch to confirm plans for fieldwork on Friday.	Email
	30-May-19	J. Williams followed up to determine whether fieldwork would resume the following day. V. Cafik responded to confirm that it would.	Email
	7-May-21	Circulation of draft report for review and comment.	Email
	28-May-21	Follow-up to determine the status of the report review.	Email

Group	Date	Engagement Event	Nature
	9-Jul-21	Follow-up to determine the status of the report review.	Email
	12-Jul-21	MCFN responded to state that the had no concerns with the work or comments for inclusion with the report. It was also noted that the FLRs were pleased with the level of engagement they received from ARA field directors and the methods used during the excavation.	Email
HDI on behalf of HCCC Contact: Wayne Hill	17-Oct-18	Provided background information on the upcoming archaeological work for the property.	Email
	7-Nov-18	V. Cafik provided notice that field work would be cancelled for Friday November 9, 2018.	Email
	17-May-19	V. Cafik provided notice that fieldwork would be resuming for the 2019 Field Season beginning the following week. Deployment details were included.	Email
	24-May-19	V. Cafik provided updated deployment details for the following week.	Email
	27-May-19	V. Cafik provided notice that due to the weather forecast the Project Manager has decided to cancel fieldwork for the week with potential for a return on Friday. ARA noted that we would be in touch to confirm plans for fieldwork on Friday.	Email
	30-May-19	V. Cafik notified the community that fieldwork would be resuming the following day.	Email
	28-May-21	After realizing the draft email for the circulation of draft report had not been sent when preparing to do a follow-up regarding the status of the review, V. Cafik forwarded a copy of the report and humbly requested an expedited review of the draft.	Email
	9-Jul-21	Follow-up to determine the status of the report review.	Email
	16-Jul-21	Spoke over the phone regarding the status of the report review. W. Hill noted that he would complete the review the following week.	Telephone
	22-Jul-21	V. Cafik called W. Hill to determine the status of the report review. W. Hill indicated that he had not had time to complete the review but that he was comfortable with ARA submitting the report without HDI review.	Telephone
SNLR on behalf of SNGREC Contacts: Dawn LaForme, Joanne Thomas, Tanya Hill- Montour	17-Oct-18	Provided background information on the upcoming archaeological work for the property.	Email
	07-Nov-18	V. Cafik provided notice that field work would be cancelled for Friday November 9, 2018.	Email
	17-May-19	V. Cafik provided notice that fieldwork would be resuming for the 2019 Field Season beginning the following week. Deployment details were included.	Email
	24-May-19	V. Cafik provided updated deployment details for the following week.	Email
	27-May-19	V. Cafik provided notice that due to the weather forecast the Project Manager has decided to cancel fieldwork for the week with potential for a return on Friday. ARA noted that we would be in touch to confirm plans for fieldwork on Friday.	Email
	30-May-19	V. Cafik notified the community that fieldwork would be resuming the following day.	Email
	7-May-21	Circulation of draft report for review and comment.	Email
	28-May-21	Follow-up to determine the status of the report review.	Email
	9-Jul-21	Follow-up to determine the status of the report review. T. Hill Montour responded to state that she had reviewed the report and had no comments or concerns at this time.	Email

**RoIE Table 2: Summary of Participating Representatives**

Group	Representative	Participation
DOCA on behalf of MCFN	H. LaForme	October 29-30; November 12, 2018; May 24; June 17, 19, 24-26; July 9-10, 25-26, 29, 31; August 1, 6, 2019
	J. LaForme	October 29-30; November 12, 2018; May 21-24; June 17, 19; July 24-26, 29, 31; August 6-7, 2019
	K. Sault	May 21-22, 27, 31; June 3- 7, 11-12, 14, 24-28; July 2- 5, 8, 2019
	M. Sault	May 27; June 3- 7, 11-12, 14, 25-28; July 2, 4-5, 8-10, 2019
HDI on behalf of HCCC	C. Hill	June 7, 11-12,14, 17-19, 24-26, 28; July 2-5, 8-10, 26, 29, 31; August 1, 6, 7, 2019
	R. Hill	June 4-7, 11-12, 14, 17-19, 24-26, 28; July 2-5, 8-10, 24-26, 29, 31; August 1, 2019
	J. Jamieson	June 5, 2019
	L. Keesmaat	May 31, 2019
	S. Martin	October 29-30; November 12, 2018
	C. Powless	May 21-24, 27; June 3- 7, 18-19, 2019
SNLR on behalf of SNGREC	I. Harris	July 9-10, 29, 31; August 1, 6, 7, 2019
	K. Harris	October 29, 2018
	A. Henry	August 1, 2019
	J. Longboat	May 21-24, 27, 31; June 3-4, 6-7, 11-12, 14, 17-19, 24-28; July 2-5, 8, 24-26, 2019
	J. Miller	October 29-30, 2018
	T. Nanticoke	June 4- 6, 11-12, 14, 17-19, 24- 28; July 2-5, 8-10, 2019

## **ROIE APPENDICES**

## RoIE Appendix A: Invitation to Participate



October 17, 2018

[ADDRESSEE]

**RE: Request for Participation in the Upper's Quarry project which currently includes Stage 1 and 2 archaeological assessments of previously unassessed lands on Part Lots 119 and 120 and four Stage 4 Archaeological Assessments on Part Lots 119 and 136, in the Geographic Township of Stamford, Regional Municipality of Niagara, Ontario.**

Dear [INDIGENOUS COORDINATOR],

Archaeological Research Associates Ltd. (ARA) has been contracted by MHBC Planning on behalf of Walker Aggregates Inc. to undertake Stage 1 and 2 archaeological assessments of previously unassessed lands for the Upper's Quarry project as well as Stage 4 block excavation for Walker Site II (AgGt-175), Walker Site X (AgGt-176), Walker Site VI (AgGt-177) and Walker Site IX (AgGt-178) located on Part of Lots 119, 120 and 136, in the Geographic Township of Stamford (Map 1-5).

All four archaeological sites were identified in 2011-2012 by Archaeological Assessments Inc. (AAI) through pedestrian survey located on Walker Aggregates Inc. lands in the City of Niagara Falls. Stage 3 site-specific assessments were also conducted by AAI in May to August of 2012. The finds and cultural heritage value or interest (CHVI) of each site can be summarized as follows:

**Walker Site II (AgGt-175)** – The Stage 3 assessment involved the excavation of grid test units at a 5 m interval across the site as well as the excavation of additional test units in areas of interest, amounting to at least 20% of the initial grid total. A total of 24 units were excavated, and 94 Pre-Contact artifacts were recovered. No potential cultural features were identified. This indeterminate Indigenous campsite is considered to be significant because it contained one or more test units which yielded 10 or more artifacts (MTC 2010:34). In the case of this site, two of the one metre units yielded 10 or more chipped stone artifacts.

**Walker Site X (AgGt-176)** – The Stage 3 assessment involved the excavation of grid test units at a 5 m interval across the site as well as the excavation of additional test units in areas of interest, amounting to at least 21% of the initial grid total. A total of 84 units were excavated, and 373 Pre-Contact artifacts were recovered. No potential features were identified. This Middle Archaic campsite is considered to be significant because it contained one or more test units which yielded 10 or more artifacts (MTC 2010:34). In the case of this site, five of the one metre units yielded 10 or more chipped stone artifacts.

**Walker Site VI (AgGt-177)** – The Stage 3 assessment involved the excavation of grid test units at a 5 m interval across the site as well as the excavation of additional test units in areas of interest, amounting to at least 25% of the initial grid total. A total of 45 units were excavated, and 238 Pre-Contact artifacts were recovered. No potential features were identified. This indeterminate Indigenous campsite is considered to be significant because it contained one or more test units



which yielded 10 or more artifacts (MTC 2010:34). In the case of this site, eight of the one metre units yielded 10 or more chipped stone artifacts.

**Walker Site IX (AgGt-178)** – The Stage 3 assessment involved the excavation of grid test units at a 5 m interval across the site as well as the excavation of additional test units in areas of interest, amounting to at least 20% of the initial grid total. A total of 49 units were excavated, and 184 Pre-Contact artifacts were recovered. No potential features were identified. This indeterminate Indigenous campsite and is considered to be significant because it contained one or more test units which yielded 10 or more artifacts (MTC 2010:34). In the case of this site, three of the one metre units yielded 10 or more chipped stone artifacts.

The Stage 4 excavation will be conducted as per Section 4.2.3 of the *S&Gs* (MTC 2011: 78–79). Specifically, block excavation will begin in the core of each site and will extend outwardly until unit yields drop below 10 and additional testing in a 5 m buffer zone beyond the limit of block excavation has been completed (where necessary). Each unit will be excavated stratigraphically into the first 5 cm of subsoil, and all profiles will be examined for cultural features and/or evidence of fill.

The soils from these units will be screened through mesh with an aperture of no greater than 6 mm and examined for archaeological materials. Hand excavation must continue 2 metres past any confirmed cultural features (if encountered). It is anticipated that a total of 338 squares will be required to fully excavate all four sites (28 test units at AgGt-175, 130 test units at AgGt-176, 120 test units at AgGt-177 and 60 test units at AgGt-178).

ARA has tentatively scheduled work to begin on the week of October 29, 2018. Based on the present assumptions the following lays out the anticipated time that it will take to complete the Stage 4 fieldwork at each site:

**Stage 1 and 2 Assessments of Previously unassessed Parcels** - 2 days to complete the fieldwork with a field crew of seven people (1 Field Director and 6 Field Technicians).

**Walker Site II (AgGt-175)** – 5 days to complete the fieldwork with a field crew of seven people (1 Field Director and 6 Field Technicians) and a part time GPS technician as needed.

**Walker Site X (AgGt-176)** – 22 days to complete the fieldwork with a field crew of seven people (1 Field Director and 6 Field Technicians) and a part time GPS technician as needed.

**Walker Site VI (AgGt-177)** – 20 days to complete the fieldwork with a field crew of seven people (1 Field Director and 6 Field Technicians) and a part time GPS technician as needed.

**Walker Site IX (AgGt-178)** – 10 days to complete the fieldwork with a field crew of seven people (1 Field Director and 6 Field Technicians) and a part time GPS technician as needed.

Please note that there is potential for some of the work to occur concurrently.

ARA understands that agreements to participate in this work have already been executed with Walker's Aggregates Inc. As such, ARA looks forward to working with your FLR (s) for the duration of the work and will be in touch once the specific deployment details are available. We welcome your contribution to the project and are always happy to address any concerns that may arise.



**Paul Racher, MA, CAHP, RPA**  
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**Stage 4 Mitigation of Development Impacts  
Final Excavation Report  
Walker IX (AgGt-178)  
Upper's Quarry  
City of Niagara Falls  
Regional Municipality of Niagara  
Part of Lot 119  
Geographic Township of Stamford  
Former Welland County, Ontario**

Prepared for  
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PIF #P089-0113-2018  
ARA File #2018-0188

**22/07/2021**

**Supplementary Documentation**



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## 1.0 SUPPLEMENTARY DOCUMENTATION

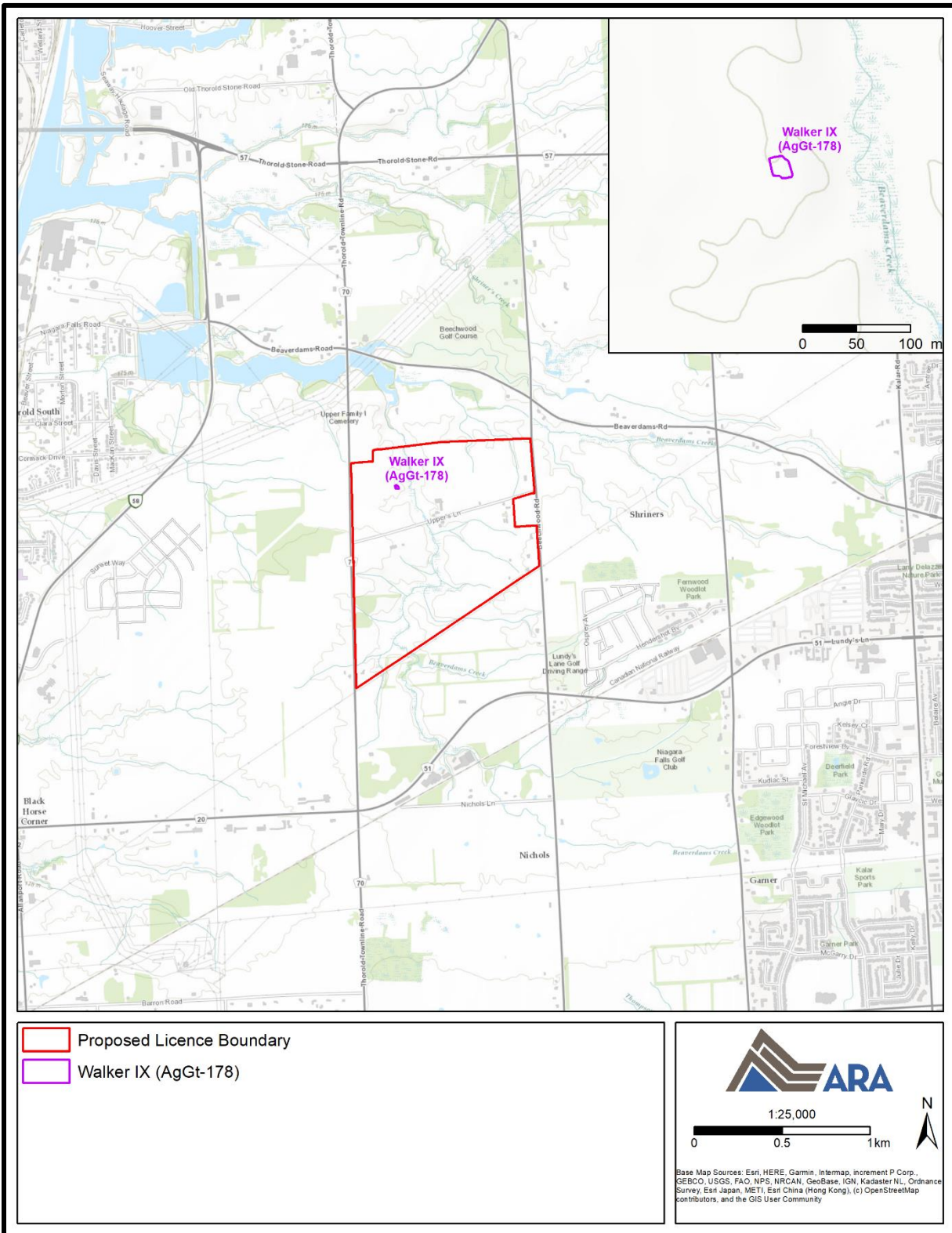
### 1.1 Detailed Site Location Information

In keeping with Section 7.6.1 of the 2011 *Standards and Guidelines for Consultant Archaeologists*, detailed site location information was not included within the project report. The location of the site appears in SD Map 1, and the site extent has been added to the consulted historical resources in SD Map 2–SD Map 5. The previous assessment results are reproduced in SD Map 6, and the results of the Stage 4 excavation are presented in SD Map 7–SD Map 8. The GPS co-ordinates for the datum and site extent appear in SD Table 1. These data should be excluded from the Ontario Public Register of Archaeological Reports.

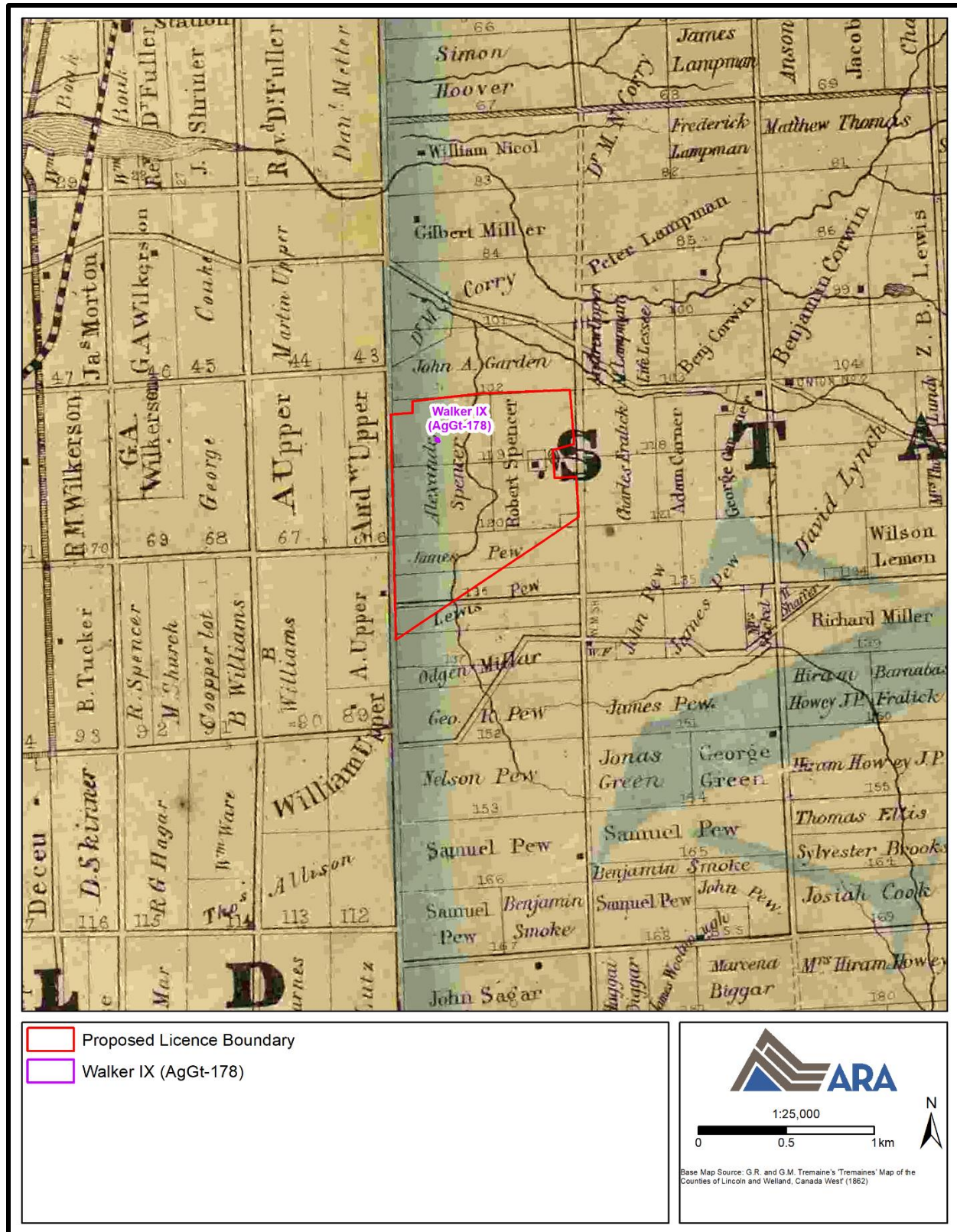
**SD Table 1: GPS Co-ordinates**

Site Identifier	Point Location	UTM Zone	Easting (m)	Northing (m)
Walker IX (AgGt-178)	Datum	17	649,571	4,772,773
	Centre	17	648,761	4,773,221
	North	17	648,761	4,773,231
	East	17	648,772	4,773,213
	South	17	648,764	4,773,210
	West	17	648,751	4,773,228

## 2.0 SD MAPS

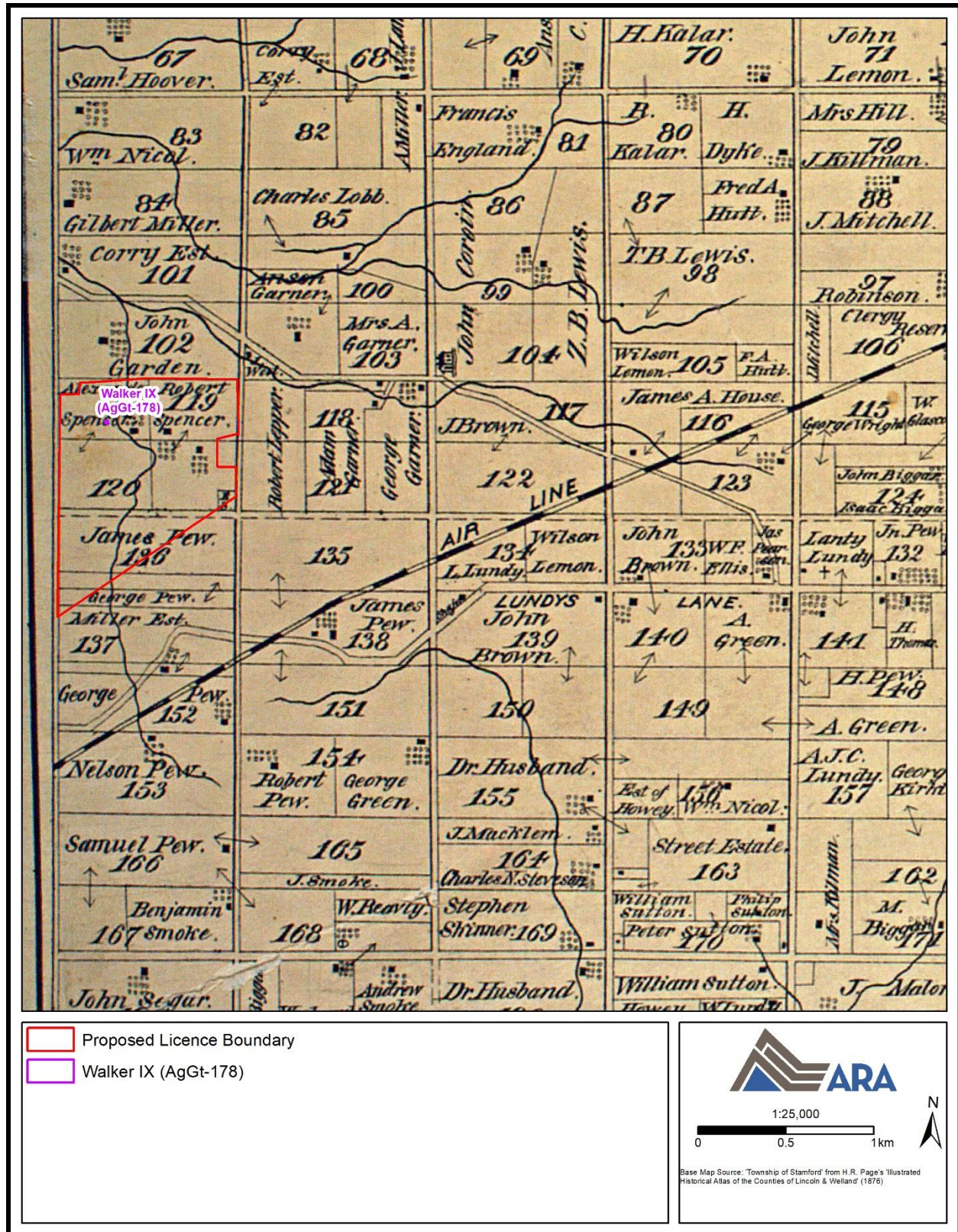


**SD Map 1: Location of the Site**  
(Produced under licence using ArcGIS® software by Esri, © Esri)



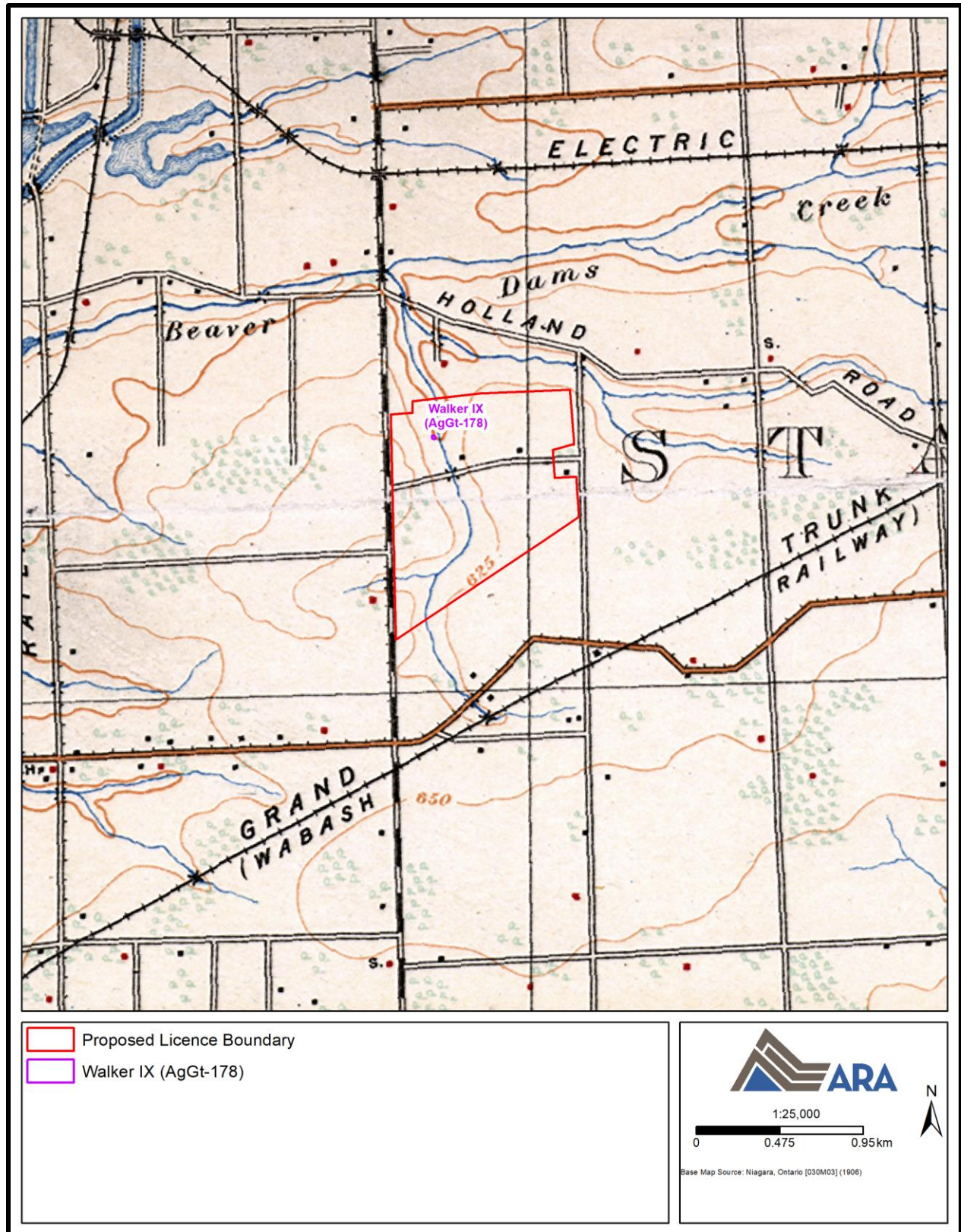
**SD Map 2: G.R. and G.M. Tremain's *Tremain's Map of the Counties of Lincoln and Welland, Canada West* (1862)**  
(Produced under licence using ArcGIS® software by Esri, © Esri; OHCMP 2019)



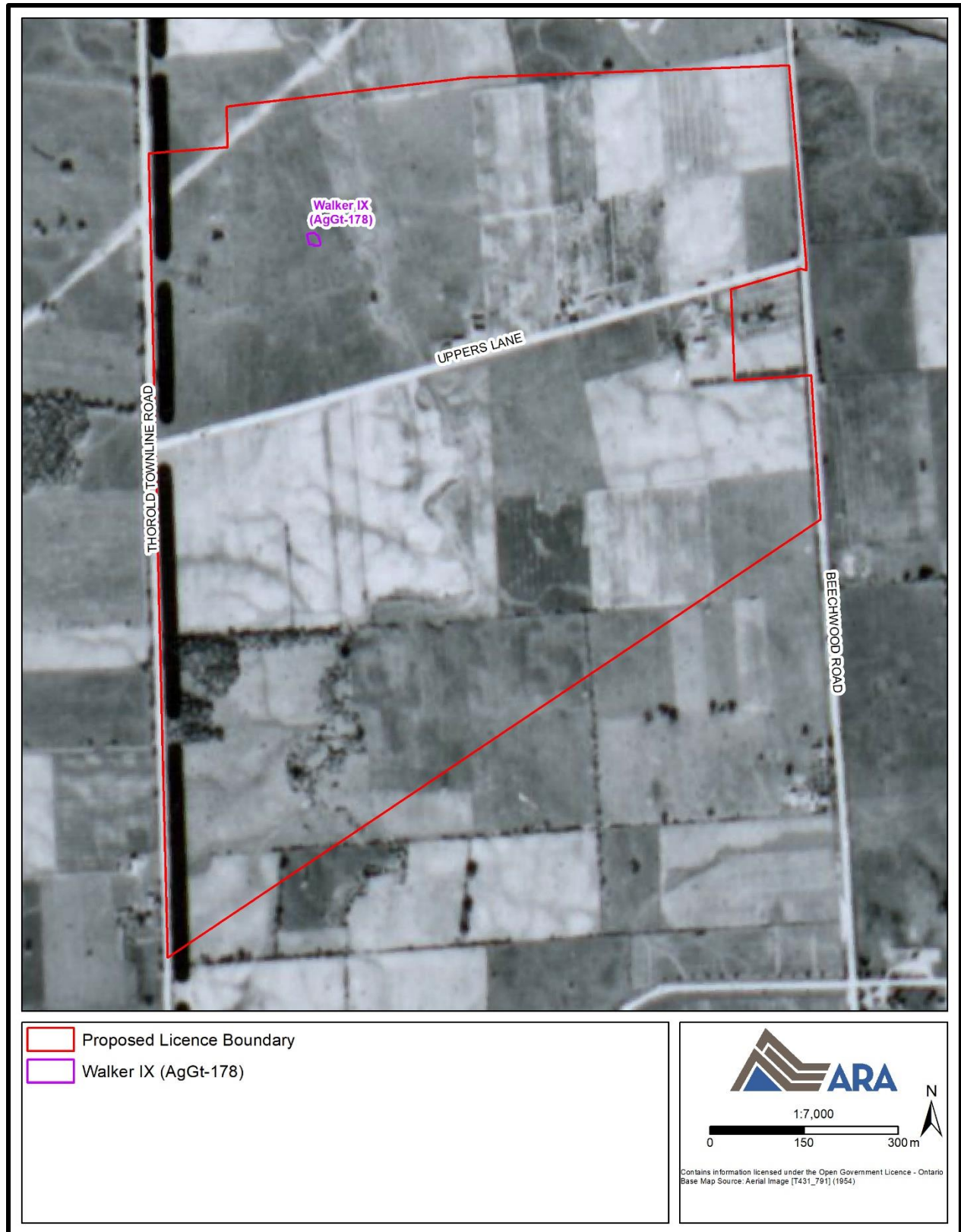


**SD Map 3: Township of Stamford from H.R. Page's Illustrated Historical Atlas of the Counties of Lincoln & Welland, Ont. (1876)**  
(Produced under licence using ArcGIS® software by Esri, © Esri; McGill University 2001)



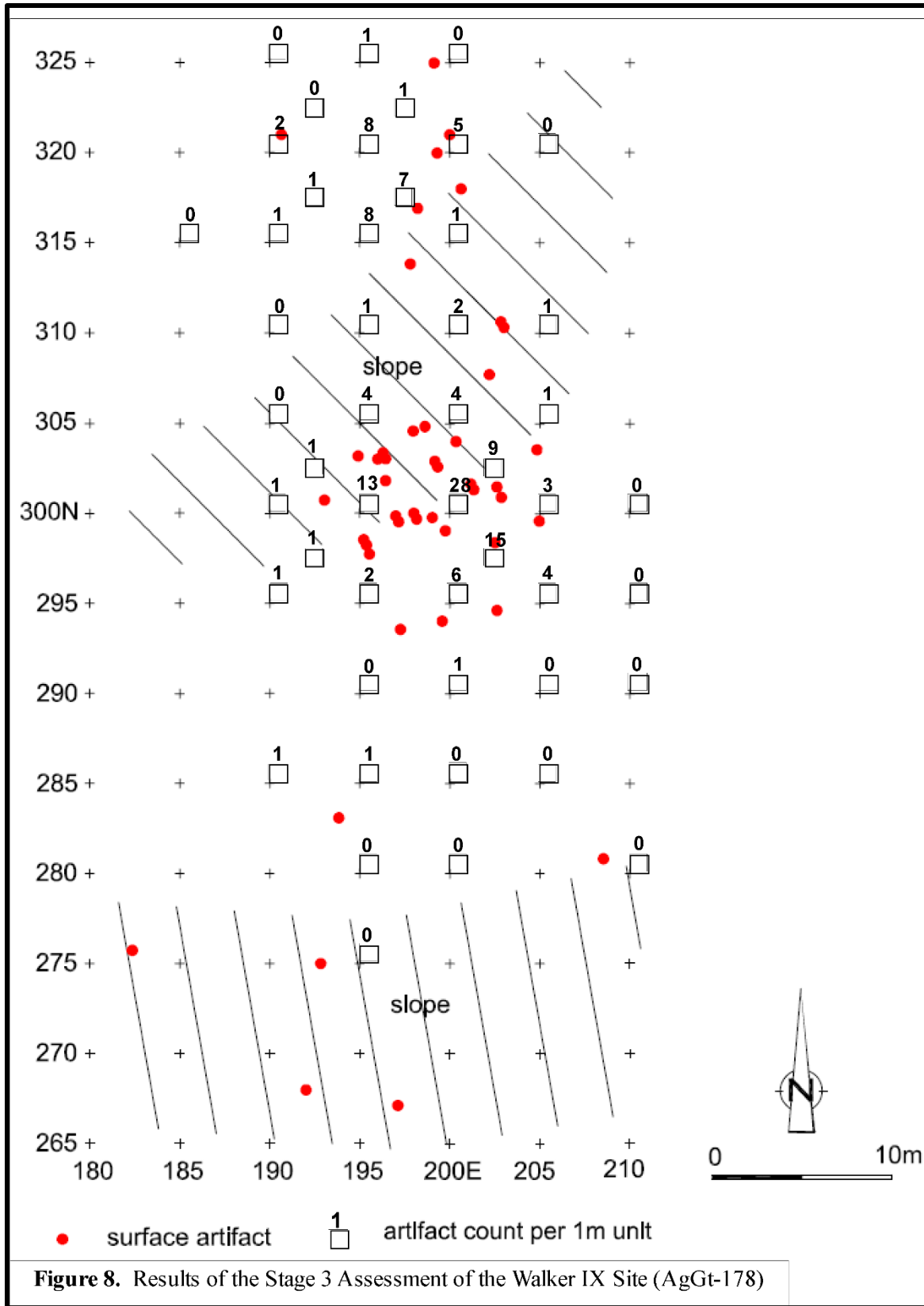


**SD Map 4: Topographic Map (1906)**  
(Produced under licence using ArcGIS® software by Esri, © Esri; OCUL 2021)



**SD Map 5: Aerial Image (1954)**  
(Produced under licence using ArcGIS® software by Esri, © Esri; University of Toronto 2021)

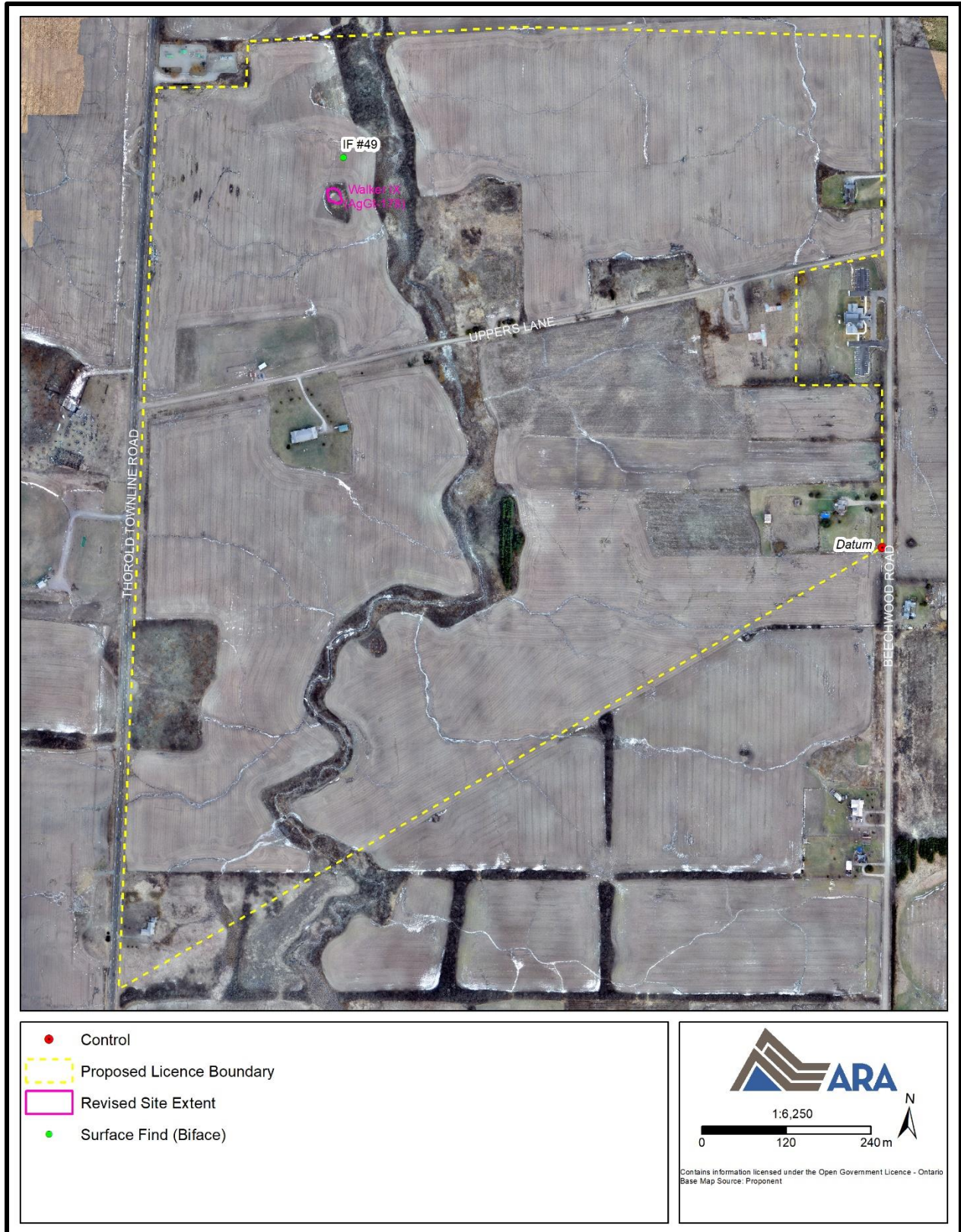




**SD Map 6: Stage 2-3 Results**

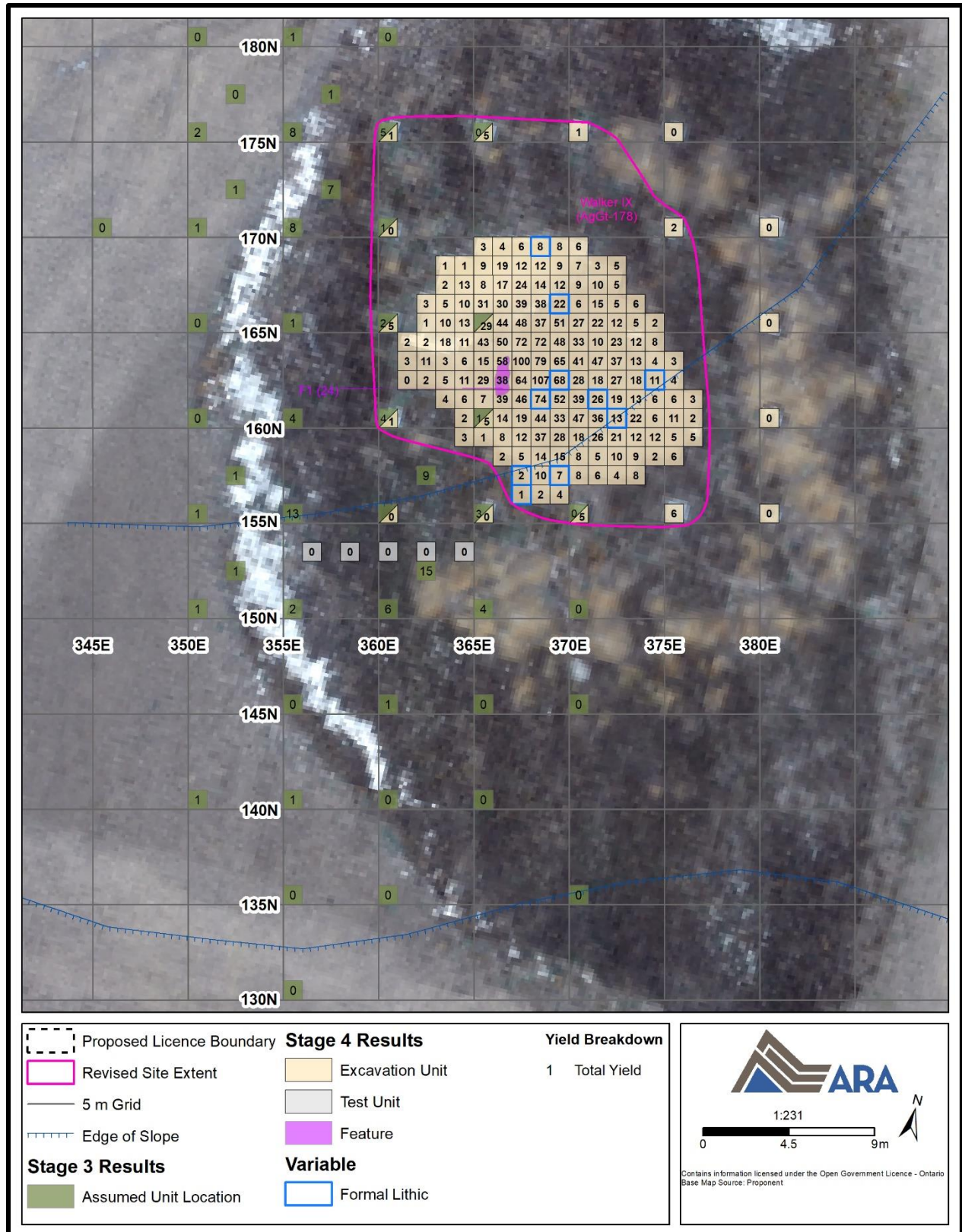
(Produced under licence using ArcGIS® software by Esri, © Esri; AAL 2015:Figure 8)





**SD Map 7: Overview**  
(Produced under licence using ArcGIS® software by Esri, © Esri)





### 3.0 BIBLIOGRAPHY AND SOURCES

Archaeological Assessments Ltd. (AAL)

2015 *The Stage 2–3 Archaeological Assessment of the Walker Aggregates Inc. Lands, Part of Lots 102, 119, 120, 136 and 137, Geographic Township of Stamford, City of Niagara Falls, Regional Municipality of Niagara*. PIF #P013-609-2011, #P013-649-2012, #P013-650-2012, #P013-651-2012, #P013-652-2012 and #P013-653-2012. AAL.

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