STAGE 2 ARCHAEOLOGICAL ASSESSMENT

Samsung Grand Renewable Energy Park, Various Lots
Concessions 1N-3N and 1S-5S,
The Earl Tract, The Haldimand Tract and
The Sheehan Tract, Dunn Township,
Concessions 1-9, Rainham Township,
Concessions 1N, 1S, 2, 3 and
The Jones Tract, North Cayuga Township,
Concessions 3-7 and The Fradenburgh Tract,
South Cayuga Township and
Concessions 1-12, Walpole Township,
Haldimand County, Ontario

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PIF Numbers: P218-098-2010 and P218-023-2011

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and Culture
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Executive Summary

A Stage 1 archaeological background study was previously conducted on behalf of Samsung Renewable Energy Inc. by Stantec Consulting Ltd. for a project area located in the Geographic Townships of Dunn, Rainham, South Cayuga, North Cayuga and Walpole in Haldimand County, Ontario. This area is proposed to be the site of approximately 67 wind turbines, at least three areas of solar panels and project-related infrastructure comprising the Grand Renewable Energy Park.

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This assessment was undertaken in order to meet the requirements of an environmental assessment conducted under the Renewable Energy Approval (REA) process, as outlined in Ontario Regulation 359/09 section 22(3). For the purposes of this Stage 2 Assessment the Ministry of Tourism and Culture’s 1993 Archaeological Assessment Technical Guidelines (Stages 1-3 & Reporting Format) was followed, but whenever possible the new 2011 Ministry of Tourism and Culture’s Standards and Guidelines for Consultant Archaeologists were employed as best practices.
The Ontario Ministry of Tourism and Culture is asked to review the results presented and to accept this report into the Ontario Public Register of Archaeological Reports. Additional archaeological assessment is still required and so the archaeological sites recommended for further archaeological fieldwork remain subject to Section 48(1) of the Ontario Heritage Act and may not be altered, or have artifacts removed, except by a person holding an archaeological licence.

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.
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APPENDICES
APPENDIX A
Aboriginal Engagement
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2.0 SUMMARY OF STAGE 1 ARCHAEOLOGICAL INVESTIGATIONS

A Stage 1 archaeological assessment of the study area was previously conducted by Stantec (2010:i). In compliance with the provincial standards and guidelines set out in the Draft Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2009), the Stage 1 Archaeological Overview/Background Study included:

- review of aerial imagery
- consideration of existing archaeological potential mapping
- examination of the Ontario Ministry of Tourism and Culture’s Archaeological Sites Database (ASDB) to determine the presence of known archaeological sites in and around the study area.
- appraisal of local physiography and topography; and
- scrutiny of 19th Century Census returns and mapping

In addition to the Stage 1 background research conducted by Stantec, Golder also examined additional background data sources located at the Ministry of Tourism and Culture Office in Toronto, the University of Western Ontario Map and Data Library in London, the Haldimand County Museum and Archives in Cayuga, Mills Memorial Library at McMaster University in Hamilton and Golder’s corporate library.

2.1 Natural Environment

The study area is located in Haldimand County, in the Geographic Townships of Dunn, Rainham, South Cayuga, North Cayuga and Walpole, covering a total area of approximately 43,000 hectares of developed agricultural land (Stantec 2010:1). Within this area, a number of separate properties and lots across these five townships comprise the study area itself.

The study area falls within the Haldimand Clay Plain, which makes up much of the Niagara Peninsula (Chapman and Putnam 1984:156-159) and comprises approximately 3500 square kilometres of southern Ontario (MacDonald 1980:3). The northern portion of the Clay Plain, extending south from the Niagara escarpment is made up of recessional moraines (Chapman and Putnam 1984). The middle section is deeply cut by the southeast-flowing Grand River. The southern section, bounded by Lake Erie, is mainly low-lying, flat and poorly-drained and comprises back-shore wetlands and coastal marshes, but also sand ridges, dunes and limestone and cobble pavements (Chapman and Putnam 1984; MacDonald 1980). Presently, much of the land is devoted to cash crops of corn, soybeans and some wheat, as well as hayfields and pasture with some undeveloped wooded areas. Villages and small towns are found throughout the study area, often at the cross-roads of historic transportation routes. The study area is a level lake plain consisting primarily of lacustrine silty clay from the Haldimand and Smithville series (Presant and Acton 1984). There are also small deposits of lacustrine clays, some with thin loamy or sand caps from the Lincoln series, between the Nanticoke, Sandusk and Stoney watersheds (Presant and Acton 1984).
Alluvial deposits are found within river valley floodplains (Chapman and Putnam 1984; Presant and Acton 1984). Areas consisting of Haldimand and Smithville series soils would have been suitable for pre-contact Aboriginal agriculture. However, the Lincoln series soils would not have been suitable for pre-contact Aboriginal agricultural practices, given their poor drainage and high clay characteristics (Presant and Acton 1984:37, 40 and 47).

Historic records for Haldimand County indicate that inland areas, away from Lake Erie, the Grand River and other principal streams, were wet and swampy (H.R. Page & Co. 1879:5). Initially, the lumber industry developed in these inland areas, later replaced with large-scale farming (Chapman and Putnam 1984; H.R. Page & Co. 1879:5, 7). Potable water sources within the study area include Nanticoke Creek, Sandusk Creek, Stoney Creek, Hemlock Creek and several other small tributaries, most of which drain into Lake Erie and some into the Grand River before reaching Lake Erie. The Grand River forms the northern and/or eastern boundary of the study area.

2.2 Previously Known Archaeological Resources and Surveys

Previous archaeological assessments and research surveys in Haldimand County have demonstrated that the area was also intensively utilized by pre-contact Aboriginal communities. There are also 10 designated heritage properties in the vicinity of the study area (Stantec 2010:9). According to the Ontario Archaeological Sites Database (ASDB), there are 229 archaeological sites registered within the study area (Government of Ontario n.d.; Robert von Bitter, personal communication, January 17th, 2011). Registered sites, as of January 17th, 2011, comprised: one Palaeo-Indian (c. 9000-8000 B.C.) site, 36 Archaic (c. 8000-1000 B.C.) or possible Archaic sites, 14 Woodland (c. 1000 B.C. - Contact) or possible Woodland sites, 39 multi-component pre-contact Aboriginal sites (five of which containing Palaeo-Indian components), 84 pre-contact Aboriginal sites of undetermined cultural affiliation, 48 pre-contact Aboriginal sites for which no information was provided for cultural affiliation, one multi-component site that contained pre-contact Aboriginal and historic Aboriginal (c. 1580-1650 A.D.) components, two single-component historic Aboriginal sites, two multi-component sites that each contained pre-contact Aboriginal and historic Euro-Canadian components and two single-component historic Euro-Canadian sites.

Seventy further pre-contact Aboriginal sites requiring Stage 3 assessment were also documented in winter 2010-2011, during the first portion of Stage 2 work in the study area, by Golder (2011:i) and Stantec (2011:1) combined. This high number of registered sites within the study area attests to the long history of human occupation in this part of southern Ontario. Given the known pre-contact and historic use of Haldimand County by Aboriginal people, Stage 2 archaeological assessment included engagement with members of Six Nations of the Grand (see Appendix A).

In terms of raw materials for stone tool production, Haldimand County is considered to be resource rich. Known Onondaga, Bois Blanc and Dundee Formation chert outcrops are located within the study area (Eley and von Bitter 1989; Ellis et al. 2009) and their use has been documented on nearby sites such as the Slack-Caswell Quarry (Jamieson 1986), Cayuga Quarry (Jackson 1995) and Stelco 1 (Timmins 1995).
2.3 Historic Research

The study area is located in Haldimand County in the Geographic Townships of Dunn, Rainham, South Cayuga, North Cayuga and Walpole. The following provides a brief summary of the historical sources pertaining to the study area. For a more detailed historical background, refer to Golder (2011). The earliest recorded history of Haldimand County begins with the Aboriginal Neutral period. Little first-hand documentation of the Neutral by Europeans exists, however. In about 1626, French Recollet Father Daillon reportedly travelled the entire length of the Grand River and counted 28 Neutral villages in the area (Harper 1950:10-11; White 1978:410). In Haldimand County, about a dozen historic Neutral sites or possible historic Neutral sites are found along the Lower Grand River (Poulton et al. 1989:10). These sites are in the general location of a possible Neutral community known as the Antouaronon (White 1978:408; cf. Poulton et al. 1989:9-10).

In 1647, the Seneca attacked one eastern group of the Neutral (White 1978:410) and, by 1653, the Neutral had been ‘dispersed’ and/or assimilated by the Five Nations (Jamieson 1992:80; Noble 1978:161). Most of those Neutral survivors who were adopted or assimilated were likely taken in by the Seneca, the western-most of the Five Nations (Noble 1978:161).

The Five Nations at least sparsely populated southern Ontario during the third quarter of the 1600s. The Seneca village of Quinacouatoua or Tinawatawa, near the western end of Lake Ontario, was reportedly visited by La Salle and the Sulpician Fathers Dollier de Casson and Galinée in 1669 (MacDonald (ed.) 1992:4-7; Noble 1978:161-162; Stothers 1977:7). The Five Nations appear to have relinquished the Niagara Peninsula and northern Lake Ontario area before 1700, however, at which time the Algonkian-speaking Mississaugas began to move southwards from the Lake Huron watershed into the Lake Ontario and Lake Erie watersheds (Konrad 1981). Other migrations occurred during the 1700s, for example with Five Nations accepting the Tuscarora in 1722 (Pendergast 1995:107) in New York, together becoming the Six Nations.

During the American War of Independence, some factions within Six Nations sided with the British and others with the American cause. After the British defeat, United Empire Loyalists began to be granted land in southern Ontario and elsewhere in Eastern Canada. One proponent of the First Nation allies was the former Swiss mercenary, Sir Frederick Haldimand, Governor of Québec. Haldimand made preparations to grant a large plot of land in south-central Ontario to those Six Nations who were allies of the Crown (MacDonald 2004:10-12; Weaver 1978:525). Haldimand arranged for the purchase of territory in south-central Ontario from the Mississaugas. This is the Haldimand Tract, also known as the 1795 Crown Grant to the Six Nations, provided for in the Haldimand Proclamation of October 25th, 1784, which was intended to extend to six miles on each side of the Grand River over its entire length from mouth to source (or from Lake Erie to the ‘Nichol block’, see Weaver 1978:525).

Near the end of the American War of Independence, between 1779 and 1783, some Six Nations people were moving from New York into Ontario along the Niagara River (H.R. Page & Co. 1879:8). Beginning in late 1784 and early 1785, 1843 members of Six Nations, some from each member nation, as well as some other allies, relocated to the Haldimand Tract with Joseph Brant (Tanner 1987:77-78; Weaver 1978:525).
Most of those belonging to Six Nations relocated to the Brantford area, although Seneca, Delaware and Lower Cayuga initially settled along the Lower Grand River (Tanner 1987:75; Weaver 1978:525). Parcels of land from this tract were being lost through various means not long after its establishment (MacDonald 2004; H.R. Page & Co. 1879:4; Weaver 1978:525).

By 1834, it was accepted by the Crown that losses of portions of the Haldimand Tract to Euro-Canadian settlers were too numerous for all lands to be returned. Lands in the Lower Grand River area were surrendered by the Six Nations to the Government in 1832 at which point most Six Nations people moved into Tuscarora Township in Brant County and a narrow portion of Oneida Township (H.R. Page & Co. 1879:8; Tanner 1987:127; Weaver 1978:526).

Following population decline and the surrender of most of their lands along the Credit River by 1818, the Mississaugas were given 6000 acres of land on the Six Nations Reserve, establishing the Mississaugas of New Credit First Nation in 1847 (Smith 2002:119). Some Mississaugas lived on the Grand River with the Mohawks at Davisville in the 1820s (Warrick 2005:2).

By 1792 the County system replaced the previous district administrative structure for Upper Canada. Following legislation passed in 1798, Haldimand County was officially proclaimed in 1800 (MacDonald 2004:120; Middleton and Landon 1927), splitting from Norfolk County, itself established in 1792 (MacDonald 2011). It was named after Sir Frederick Haldimand. In 1851, Haldimand County was divided into 10 townships: Oneida, Seneca, Dunn, Rainham, South Cayuga, North Cayuga, Walpole, Canborough, Moulton and Sherbrooke (MacDonald 2004:108). From 1974 to 2001, Haldimand was re-amalgamated with Norfolk to create the Regional Municipality of Haldimand-Norfolk. Since 2001, Haldimand County has had the legal status of City, but retains the designation ‘county’ for historical reasons (Jackson and Gayler 2011).

### 2.4 Archaeological Potential

As discussed in the Stage 1 archaeological assessment (Stantec 2010:12-13) and the Stage 2 interim archaeological assessments (Golder 2011; Stantec 2011), the archaeological potential for pre-contact Aboriginal sites is judged to be moderate to high. This judgement is based on the presence of nearby potable water sources, level topography, agriculturally suitable soils and known archaeological sites. Similarly, the archaeological potential for historic Euro-Canadian sites is judged to be moderate to high. This assessment is based on historic documentation indicating occupation from the late 18th Century onwards as well as the presence of historic transportation routes.
3.0 STAGE 2 STUDY METHODS AND RESULTS

3.1 Summary of Winter 2010-2011 Stage 2 Investigations

The Stage 2 archaeological assessment of a portion of the proposed project was undertaken by Golder, on behalf of Stantec (Golder 2011). The first portion of the Stage 2 Assessment undertaken by Golder was conducted from December 2nd, 2010 to January 3rd, 2011. This work was conducted under archaeological consulting licence P218, issued to Scott Martin, Ph.D., by the Ontario Ministry of Tourism and Culture. The winter 2010 to 2011 Stage 2 assessment focused upon the proposed wind turbine and solar lands layout, including turbine sites, collector cable routes, access road corridors, construction roads, transmission lines, laydown areas and substations. A total of approximately 75 hectares was subject to Stage 2 archaeological assessment, consisting of approximately 34 hectares of land that could not be ploughed and, therefore, was assessed using the test pit method at an interval of five metres as well as approximately 40.5 hectares of ploughed fields, assessed using the standard pedestrian survey method at an interval of five metres. There were 54 pre-contact Aboriginal locations discovered in winter 2010-2011. Two can be assigned date ranges and document use of the study area circa 3780 to 3200 B.C., during the Middle Archaic and circa 500 B.C. to A.D. 1, during the Early or Middle Woodland (Golder 2011). One historic Euro-Canadian location was also discovered (Golder 2011).

3.2 Stage 2 Field Assessment Methods

The study area encompasses the portion of the wind farm and solar farm layout assessed by Golder. The second portion of the Stage 2 Assessment undertaken by Golder, the subject of this report, was conducted from April 11th to July 6th, 2011. This work was conducted under archaeological consulting licence P218, issued to Scott Martin, Ph.D., by the Ontario Ministry of Tourism and Culture. The spring and summer 2011 Stage 2 assessment (see Appendix B) focused upon the proposed wind turbine and solar lands layout, including turbine sites, collector cable routes, access road corridors, construction roads, transmission lines, laydown areas and substations. A total of approximately 160 hectares was subject to Stage 2 archaeological assessment. Only those areas to be affected by the construction, operation, and decommissioning of the wind farm and solar lands have undergone archaeological assessment. Those areas include: turbine locations; laydown areas related to the construction of the wind farm; underground or overhead collector cables running between turbines and substations; access road corridors between turbines, substations, and the existing road grid; and construction roads between the turbines, the substations, and the existing road grid. Access routes were assessed with 50-metre wide survey corridors. Circular turbine locations were assessed on 70-metre radii. Buried cable routes were assessed with 30-metre wide survey corridors. Specified areas of open agricultural fields, where construction activity is planned, were assessed for proposed solar panels.
Plate locations and photograph directions are provided in Figure 2 and Appendix B. Approximately 160 hectares of well-weathered ploughed fields was assessed by the standard pedestrian survey method at transect intervals of five metres (Plates 1 to 5, 7 to 15 and 22 to 24). In the event that an artifact was encountered during pedestrian survey, survey intervals were intensified to one metre within a twenty-metre radius of the find.

An area approximately 10 metres by 40 metres in size was assessed by the test pit method (Plates 17 to 18). Each test pit was approximately 30 centimetres in diameter, excavated to subsoil, and then back filled (Plate 18). All soil was screened through six millimetre hardware cloth in order to facilitate the recovery of artifacts. No artifacts were recovered in this test pit area.

Numerous areas existed within the study area where pedestrian survey and test pit survey were possible, despite conditions visible on aerial photography. These included seasonal watercourses of widths less than one metre (in both ploughed and unploughed areas) and treed windbreaks of less than five metres in width (in ploughed agricultural fields). At the request of the Ministry of Tourism and Culture, the locations of small seasonal watercourses have been mapped in Appendix B as narrow areas of poor drainage. Their presence did not impact test pit distribution or pedestrian survey transects since they were generally accommodated between five metre transects, being less than one metre in width. The presence of treed windbreaks of less than five metres width is not indicated in Appendix B, as their presence did not preclude pedestrian survey at five metre intervals surrounding them and therefore test pit survey was not employed to assess them. Two areas of previous disturbance (Plates 16, 19 and 20) and two areas of poor drainage (Plates 6 and 21) were encountered in spring and summer 2011. These areas were judged to have low archaeological potential and were not assessed.

UTM coordinates (see Appendix D) were recorded for isolated surface finds and centroid coordinates were recorded for surface artifact scatters. No positive test pits were encountered and, therefore, no UTM coordinates were recorded for test pits. Coordinates were recorded by a Trimble Recon handheld GPS unit and/or a Garmin eTrex Legend handheld GPS unit, both using the North American Datum (NAD) 83. GPS readings were accurate to five metres or better.

The weather during the Stage 2 assessment in spring and summer 2011 ranged from sunny and cool to overcast and cold. At no time were the conditions detrimental to the recovery of archaeological material. Field visibility during the pedestrian and test pit surveys was excellent. Permission to enter the property and remove artifacts was given by proponent contact, Mr. Larry Galajda. All recovered artifacts will be housed at Golder's London office until their transfer to the Ontario Ministry of Tourism and Culture collections facility located at 900 Highbury Avenue, London.

Plate 2: Pedestrian Survey, Field Conditions, Solar Lands B, Walked at Five-Metre Intervals, Facing Southwest
Plate 3: Pedestrian Survey, Field Conditions, Turbine 56, Walked at Five-Metre Intervals, Facing Southeast

Plate 4: Pedestrian Survey, Field Conditions, Turbine 56/25 Corridor, Walked at Five-Metre Intervals, Facing Southeast
Plate 5: Pedestrian Survey, Field Conditions, Turbine 22, Walked at Five-Metre Intervals, Facing South

Plate 6: Field Conditions, Poorly Drained Area (Roadside Ditch), Turbine 22 Corridor, Not Assessed, Facing North
Plate 7: Pedestrian Survey, Field Conditions, Turbine 68/37 Cable Route, Walked at Five-Metre Intervals, Facing North

Plate 8: Pedestrian Survey, Field Conditions, Turbine 37, Walked at Five-Metre Intervals, Facing West
Plate 9: Pedestrian Survey, Field Conditions, Turbine 35/38 Corridor, Walked at Five-Metre Intervals, Facing South

Plate 10: Pedestrian Survey, Field Conditions, Turbine 14, Walked at Five-Metre Intervals, Facing Southeast
Plate 11: Pedestrian Survey, Field Conditions, Turbine 52 Corridor, Walked at Five-Metre Intervals, Facing South

Plate 12: Pedestrian Survey, Field Conditions, Turbine 57 Corridor A, Walked at Five-Metre Intervals, Facing Southeast

Plate 14: Pedestrian Survey, Field Conditions, Turbine 26 Corridor, Walked at Five-Metre Intervals, Facing North
Plate 15: Pedestrian Survey, Field Conditions, Turbine 8, Walked at Five-Metre Intervals, Facing Southeast

Plate 16: Field Conditions, Disturbed Area (Irrigation Pond), Turbine 3 Corridor, Not Assessed, Facing Southeast
Plate 17: Test Pit Survey, Field Conditions, Turbine 43 Corridor, Test Pitted at Five-Metre Intervals, Facing Northeast

Plate 18: Test Pit Survey, Test Pit, Turbine 43 Corridor, Facing Northeast
Plate 19: Field Conditions, Disturbed Area (Trailer Park), Turbine 9 Corridor, Not Assessed, Facing North

Plate 20: Field Conditions, Disturbed Area (Trailer Park), Turbine 9 Corridor, Not Assessed, Facing South
Plate 21: Field Conditions, Poorly Drained Area (North of Trailer Park), Turbine 9 Corridor, Not Assessed, Facing East

Plate 22: Pedestrian Survey, Field Conditions, Turbine 9, Walked at Five-Metre Intervals, Facing North
Plate 23: Pedestrian Survey, Field Conditions, Turbine 2 Corridor, Location 155, Walked at Five-Metre Intervals, Facing Northwest

Plate 24: Pedestrian Survey, Field Conditions, Turbine 2 Corridor, Location 157, Walked at Five-Metre Intervals, Facing Northwest
3.3 Stage 2 Field Assessment Results

The spring and summer 2011 Stage 2 assessment conducted by Golder resulted in a total of 116 archaeological locations being identified with 115 of these representing pre-contact Aboriginal lithic-producing sites and one representing a pre-contact Aboriginal ceramic-producing site. Each location and its associated artifactual finds are discussed separately below, plotted on maps in Appendix B and provided with UTM coordinates in Appendix D. A complete Stage 2 catalogue for the spring and summer 2011 assessment is provided in Appendix C. The chert types identified at each location are summarised here:

- **Dundee chert**: a moderate quality Middle Devonian raw material that outcrops close to the embouchure of the Grand River along the north shore of Lake Erie. It is distinguishable from Selkirk chert, also found in the Dundee formation, by its predominantly mottled or banded grey colour. Its distribution as a secondary source material is similar to Onondaga chert and it is frequently encountered as far west as the Chatham area (Eley and von Bitter 1989; Fox 2009:362).

- **Haldimand chert**: a relatively high quality Lower Devonian raw material that outcrops along the Bois Blanc formation between Kohler and Hagersville, as well as in Cayuga, Ontario (Eley and von Bitter 1989; Fox 2009:361).

- **Kettle Point chert**: a relatively high quality Upper Devonian raw material that outcrops between Kettle Point and Ipperwash, on Lake Huron. Currently, Kettle Point occurs as submerged outcrops extending for approximately 1350 metres into Lake Huron. Secondary deposits of Kettle Point chert have been reported in Essex County and in the Ausable Basin (Eley and von Bitter 1989; Fox 2009:362).

- **Onondaga chert**: a high quality Middle Devonian raw material that outcrops along the north shore of Lake Erie east of the embouchure of the Grand River. This material can also be recovered from secondary, glacial deposits across much of southwestern Ontario, east of Chatham (Eley and von Bitter 1989; Fox 2009:361-362).

3.3.1 Location 56

2 CDE, not recommended:

Location 56 is a pre-contact Aboriginal site consisting of a surface lithic scatter of two Onondaga chert flakes located approximately 18 metres apart. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.2 Location 57

2 CDE, not recommended:

Location 57 is a pre-contact Aboriginal site consisting of a surface lithic scatter of two Onondaga chert flakes located approximately 11 metres apart. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.3 Location 58 (AfGw-188)

3 BIF, 1 SCR, 1 GRV, 24 CDE, recommended:

Location 58 (AfGw-188) is a pre-contact Aboriginal site, approximately 30 metres by 35 metres in size. The site consists of a surface lithic scatter of two biface preforms, manufactured from Onondaga chert; one biface preform fragment, manufactured from Dundee chert; one end scraper bit fragment, manufactured from Onondaga chert; one graver, manufactured from Onondaga chert; 19 Dundee chert flakes and five Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.4 Location 59 (AfGw-189)

1 BIF, 1 COR, 15 CDE, recommended:

Location 59 (AfGw-189) is a pre-contact Aboriginal site, approximately 25 metres by 30 metres in size. The site consists of a surface lithic scatter of one biface tip, manufactured from Onondaga chert; one wedge-shaped core, manufactured from Onondaga chert; and 15 Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.5 Location 60

3 CDE, not recommended:

Location 60 is a pre-contact Aboriginal site, approximately 12 metres by five metres in size. The site consists of a surface lithic scatter of three Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.6 Location 61 (AfGw-230)

8 CDE, not recommended:

Location 61 (AfGw-230) is a pre-contact Aboriginal site, approximately 10 metres by 15 metres in size. The site consists of a surface lithic scatter of eight Onondaga flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.7 Location 62

1 RTF, not recommended:

Location 62 is a pre-contact Aboriginal site consisting of a surface find of one isolated, notched, retouched flake manufactured from Haldimand chert. This retouched flake was not retained for laboratory analysis at this time. As detailed in Section 3.2, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.8 Location 63

1 CDE, not recommended:

Location 63 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.9 Location 64 (AfGw-190)

1 PPO, 3 BIF, 1 SCR, 1 DRI, 4 RTF, 2 COR, 1 HAM, 58 CDE, recommended:

Location 64 (AfGw-190) is pre-contact Aboriginal site, approximately 55 metres by 75 metres in size. The site consists of a surface lithic scatter of one Adena-like projectile point, manufactured from Dundee chert (Plate 25:1); three biface preforms, manufactured from Onondaga chert; one end scraper, manufactured from Dundee chert (Plate 25:2); one expanding-base drill, manufactured from Onondaga chert; four retouched flakes (one being fragmentary), manufactured from Onondaga chert; one conical core, manufactured from Onondaga chert; one bipolar core, manufactured from Onondaga chert; one hammerstone, manufactured from a material not identified in the field; and 58 Onondaga chert flakes. The Adena-like projectile point measures 59 millimetres long by 26 millimetres wide by 13 millimetres thick. In Ontario, this projectile point type dates to circa 500-100 B.C., during the Early Woodland (Justice 1987:191-196; Parker 1992; Spence et al. 1990:125, 138-139). The surviving portion of the end scraper measures 28 millimetres long by 32 millimetres wide by 10 millimetres thick. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 25: Location 64 (AfGw-190) Projectile Point and End Scraper (actual size)
3.3.10 Location 65 (AfGw-191)

11 BIF, 3 SCR, 4 UFL, 2 COR, 1000+ CDE, recommended:

Location 65 (AfGw-191) is pre-contact Aboriginal site, approximately 85 metres by 130 metres in size. The site consists of a surface lithic scatter of one reworked stemmed lanceolate biface, manufactured from Onondaga chert (Plate 26:1); five biface preforms, manufactured from Onondaga chert; two biface bases, manufactured from Onondaga chert; three biface tips, manufactured from Onondaga chert; three end scrapers, manufactured from Onondaga chert; four utilized flakes, manufactured from Onondaga chert; two multidirectional cores, manufactured from Onondaga chert; and an estimate of over 1000 Onondaga chert flakes. The reworked stemmed lanceolate biface measures 56 millimetres long by 20 millimetres wide by 12 millimetres thick. Due to its reworked condition this biface cannot be assigned to a discrete typological category. The other tools and chipping detritus were not retained for laboratory analysis at this time. A probable feature (Feature 1) containing charcoal, fired soil and lithic chipping detritus was visible on a ridge of the ploughzone at this location (Plate 27). UTM coordinates for this feature are provided in Appendix D. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 26: Location 65 (AfGw-191) Biface (actual size)
3.3.11 Location 66 (AfGw-192)

3 PPO, 9 CDE, recommended:

Location 66 (AfGw-192) is a pre-contact Aboriginal site, approximately 20 metres by 30 metres in size. The site consists of a surface lithic scatter of one side-notched projectile point base, manufactured from Onondaga chert (Plate 28:1); one bifurcate base-like projectile point, manufactured from Onondaga chert (Plate 28:2); one corner-notched projectile point, missing its stem, manufactured from Dundee chert (Plate 28:3); and nine Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. The surviving portion of the side-notched projectile point base measures 42 millimetres long by 29 millimetres wide by 8 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. The surviving portion of the bifurcate base-like projectile point base measures 15 millimetres long by 23 millimetres wide by 7 millimetres thick. In Ontario, this projectile point type dates to circa 8000-6910 B.C., during the late Early Archaic (Ellis et al. 1990:78; 2009:801-803). The surviving portion of the corner-notched projectile point fragment measures 44 millimetres long by 25 millimetres wide by 8 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.12 Location 67

2 CDE, not recommended:

Location 67 is a pre-contact Aboriginal site consisting of a surface lithic scatter of two Onondaga flakes located approximately 4 metres apart. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.13 Location 68 (AfGw-193)

1 BIF, 1 COR, 8 CDE, recommended:

Location 68 (AfGw-193) is a pre-contact Aboriginal site, approximately 10 metres by 20 metres in size. The site consists of a surface lithic scatter of one biface preform, manufactured from Dundee chert; one multidirectional core, manufactured from Dundee chert; and eight Dundee chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.14 Location 69 (AfGw-194)

1 SCR, 20 CDE, recommended:
Location 69 (AfGw-194) is a pre-contact Aboriginal site, approximately 20 metres by 35 metres in size. The site consists of a surface lithic scatter of one cobble spall end scraper, manufactured from Dundee chert, and 20 Dundee chert flakes. The scraper and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.15 Location 70 (AfGw-195)

33 CDE, recommended:
Location 70 (AfGw-195) is a pre-contact Aboriginal site, approximately 20 metres by 25 metres in size. The site consists of a surface lithic scatter of 33 Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.16 Location 71 (AfGw-196)

1 PPO, 1 BIF, 1 COR, 49 CDE, recommended:
Location 71 (AfGw-196) is a pre-contact Aboriginal site, approximately 25 metres by 50 metres in size. The site consists of a surface lithic scatter of one Meadowood projectile point, manufactured from Onondaga chert (Plate 29:1); one biface preform fragment, manufactured from Onondaga chert; one bipolar core, manufactured from Onondaga chert; and 49 Onondaga chert flakes. The reworked Meadowood projectile point measures 32 millimetres long by 22 millimetres wide by 7 millimetres thick. In Ontario, this projectile point type dates to circa 1000-500 B.C., during the Early Woodland (Kenyon 1980). The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.17 Location 72 (AfGw-197)

1 BIF, 55 CDE, recommended:

Location 72 (AfGw-197) is a pre-contact Aboriginal site, approximately 45 metres by 55 metres in size. The site consists of a surface lithic scatter of one biface preform, manufactured from Onondaga chert, and 55 Onondaga chert flakes. The biface and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.18 Location 73 (AfGw-198)

1 PPO, 2 BIF, 1 COR, 1 SCR, 41 CDE, recommended:

Location 73 (AfGw-198) is a pre-contact Aboriginal site, approximately 25 metres by 25 metres in size. The site consists of a surface lithic scatter of one Ace of Spades projectile point, possibly a knife, manufactured from Onondaga chert, (Plate 30:1); two biface fragments, manufactured from Onondaga chert; one side scraper, manufactured from Onondaga chert; one multidirectional core, manufactured from Onondaga chert; and 41 Onondaga chert flakes. The Ace of Spades projectile point measures 66 millimetres long by 33 millimetres wide by 9 millimetres thick. In Ontario, this projectile point type dates to *circa* 1800-1300 B.C., during the Small Point Late Archaic (Ellis et al. 1990:97, 106-109; Ellis et al. 2009:818-820). The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.19 Location 74

1 BIF, not recommended:

Location 74 is a pre-contact Aboriginal site consisting of a surface find of one isolated biface fragment, manufactured from Onondaga chert. The biface was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this biface is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.20 Location 75

1 CDE, not recommended:

Location 75 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.21 Location 76 (AfGw-231)

6 CDE, not recommended:
Location 76 (AfGw-231) is a pre-contact Aboriginal site, approximately 15 metres by 15 metres in size. The site consists of a surface lithic scatter of six Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.22 Location 77 (AfGw-232)

7 CDE, not recommended:
Location 77 (AfGw-232) is a pre-contact Aboriginal site, approximately 10 metres by 10 metres in size. The site consists of a surface lithic scatter of seven Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.23 Location 78 (AfGw-199)

1 BIF, 16 CDE, recommended:
Location 78 (AfGw-199) is a pre-contact Aboriginal site, approximately 15 metres by 15 metres in size. The site consists of a surface lithic scatter of one biface tip fragment, manufactured from Onondaga chert, and 16 Onondaga chert flakes. The biface tip and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.24 Location 79 (AfGw-200)

2 PPO, 1 BIF, 24 CDE, recommended:
Location 79 (AfGw-200) is a pre-contact Aboriginal site, approximately 15 metres by 40 metres in size. The site consists of a surface lithic scatter of one Ace of Spades base, manufactured from Onondaga chert (Plate 31:1); one corner-notched projectile point, missing its tip and a portion of the base, manufactured from Onondaga chert (Plate 31:2); one biface midshaft fragment, manufactured from Onondaga chert; and 24 Onondaga chert flakes. The surviving portion of the Ace of Spades projectile point base measures 42 millimetres long by 30 millimetres.
wide by 10 millimetres thick. In Ontario, this projectile point type dates to *circa* 1800-1300 B.C., during the Small Point Late Archaic (Ellis et al. 1990:97, 106-109; Ellis et al. 2009:818-820). The surviving portion of the corner-notched projectile point measures 26 millimetres long by 21 millimetres wide by 4 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. The biface fragment and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

*Plate 31: Location 79 (AfGw-200) Projectile Points (actual size)*

![Plate 31: Location 79 (AfGw-200) Projectile Points (actual size)](image)

1: Projectile Point  
2: Projectile Point

### 3.3.25 Location 80

1 *UFL*, 1 *CDE*, *not recommended*:

Location 80 is a pre-contact Aboriginal site, approximately four metres by 14 metres in size. The site consists of a surface lithic scatter of one utilized flake, manufactured from Onondaga chert, and one Onondaga chert flake. The utilized flake and chipping detritus were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.26 Location 81 (AfGw-201)

2 BIF, 1 RTF, 1 UFL, 50 CDE, recommended:
Location 81 (AfGw-201) is a pre-contact Aboriginal site, approximately 45 metres by 30 metres in size. The site consists of a surface lithic scatter of two biface preforms (one being fragmentary), manufactured from Onondaga chert; one retouched flake, manufactured from Onondaga chert; one utilized flake, manufactured from Onondaga chert; and 50 Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.27 Location 82 (AfGw-202)

1 PPO, 1 UFL, 20 CDE, recommended:
Location 82 (AfGw-202) is a pre-contact Aboriginal site, approximately 35 metres by 20 metres in size. The site consists of a surface lithic scatter of one Brewerton Side-Notched projectile point, with damaged tip and barb, manufactured from Onondaga chert (Plate 32:1), one utilized flake, manufactured from Onondaga chert, and 20 Onondaga chert flakes. The Brewerton Side-Notched projectile point measures 29 millimetres long by 20 millimetres wide by 6 millimetres thick. In Ontario, this projectile point type dates to circa 3780-3200 B.C., during the Middle Archaic (see Ellis et al. 2009:808). The utilized flake and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 32: Location 82 (AfGw-202) Projectile Point (actual size)
3.3.28 Location 83

2 CDE, not recommended:

Location 83 is a pre-contact Aboriginal site consisting of a surface lithic scatter of two Onondaga chert flakes located approximately 10 metres apart. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.29 Location 84

1 CDE, not recommended:

Location 84 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.30 Location 85 (AfGw-203)

1 SCR, 1 COR, 50 CDE, recommended:

Location 85 (AfGw-203) is a pre-contact Aboriginal site, approximately 25 metres by 32 metres in size. The site consists of a surface lithic scatter of one end scraper, manufactured from Onondaga chert; one multidirectional core, manufactured from Onondaga chert; and 50 Onondaga chert flakes. The core and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.31 Location 86 (AfGw-204)

8 BIF, 1 SCR, 5 RTF, 3 UFL, 100+ CDE, recommended:

Location 86 (AfGw-204) is a pre-contact Aboriginal site, approximately 80 metres by 65 metres in size. The site consists of a surface lithic scatter of eight bifaces (two being fragmentary), manufactured from Onondaga chert; one end scraper, manufactured from Onondaga chert; five retouched flakes, manufactured from Onondaga chert; three utilized flakes, manufactured from Onondaga chert; and over 100 Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.32 Location 87 (AfGw-205)

1 PPO, not recommended:

Location 87 (AfGw-205) is a pre-contact Aboriginal site consisting of a surface find of one isolated Meadowood projectile point base, manufactured from Onondaga chert (Plate 33:1). The surviving portion of this point measures 35 millimetres long by 25 millimetres wide by 4 millimetres thick. In Ontario, this projectile point type dates to circa 1000-500 B.C., during the Early Woodland (Kenyon 1980). As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

Plate 33: Location 87 (AfGw-205) Projectile Point (actual size)
3.3.33 Location 88 (AfGw-206)

1 PPO, 1 BIF, recommended:

Location 88 (AfGw-206) is a pre-contact Aboriginal site consisting of one Nettling projectile point, manufactured from Haldimand chert (Plate 34:1), and one biface preform, manufactured from Onondaga chert, located approximately 10 centimetres apart. The surviving portion of the Nettling projectile point measures 33 millimetres long by 24 millimetres wide by 7 millimetres thick. In Ontario, this projectile point type dates to circa 8600-8000 B.C., during the middle Early Archaic (see Ellis et al. 1990:73; Ellis et al. 2009:796-800). The biface preform was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 34: Location 88 (AfGw-206) Projectile Point (actual size)

3.3.34 Location 89 (AfGw-207)

2 BIF, 1 RTF, 30 CDE, recommended:

Location 89 (AfGw-207) is a pre-contact Aboriginal site, approximately 30 metres by 20 metres in size. The site consists of a surface lithic scatter of two biface preforms, manufactured from Onondaga chert; one retouched flake, manufactured from Onondaga chert; and 30 Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.35 Location 90

1 CDE, not recommended:

Location 90 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.36 Location 91 (AfGw-208)

1 PPO, 1 BIF, 1 GRV, 1 COR, 18 CDE, recommended:

Location 91 (AfGw-208) is a pre-contact Aboriginal site, approximately 20 metres by 30 metres in size. The site consists of a surface lithic scatter of one Brewerton Corner-Notched projectile point fragment, manufactured from Onondaga chert (Plate 35:1); one biface fragment, manufactured from Onondaga chert (Plate 35:2); one graver, manufactured from Onondaga chert; one conical core, manufactured from Onondaga chert; and 18 Onondaga chert flakes. The surviving portion of the Brewerton Corner-Notched point measures 38 millimetres long by 26 millimetres wide by 6 millimetres thick. In Ontario, this projectile point type dates to circa 3780-3200 B.C. (see Ellis et al. 2009:808). The surviving portion of the biface fragment measures 26 millimetres long by 44 millimetres wide by 12 millimetres thick. This biface has been burnt and exhibits a radial fracture at midshaft, as though it had been placed on an anvil stone and intentionally smashed. This may reflect a ‘ritual kill’ or other sacrifice of this biface. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 35: Location 91 (AfGw-208) Projectile Point and Biface (actual size)
3.3.37 Location 92

1 CDE, not recommended:

Location 92 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.38 Location 93

1 UFL, not recommended:

Location 93 is a pre-contact Aboriginal site consisting of a surface find of one isolated utilized flake, manufactured from Onondaga chert. This utilized flake was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this utilized flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.39 Location 94

1 PPO, not recommended:

Location 94 is a pre-contact Aboriginal site consisting of a surface find of one isolated projectile point, missing its tip and stem, manufactured from Onondaga chert (Plate 36:1). The surviving portion of this point measures 43 millimetres long by 24 millimetres wide and is 5 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.40 Location 95

1 CDE, not recommended:

Location 95 is a pre-contact Aboriginal site consisting of a surface find of one isolated Dundee chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.41 Location 96

1 PPO, not recommended:

Location 96 is a pre-contact Aboriginal site consisting of a surface find of one isolated projectile point midsection fragment, manufactured from Onondaga chert (Plate 37:1). The surviving portion of this point measures 25 millimetres long by 26 millimetres wide and is 6 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.42 Location 97

1 PPO, not recommended:

Location 97 is a pre-contact Aboriginal site consisting of a surface find of one isolated projectile point, missing its stem, manufactured from Onondaga chert (Plate 38:1). The surviving portion of this point measures 36 millimetres long by 23 millimetres wide and is 5 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.43 Location 98 (AfGw-226)

2 BIF, 1 SCR, 4 CDE, recommended

Location 98 (AfGw-226) is a pre-contact Aboriginal site, approximately 10 metres by 17 metres in size. The site consists of a surface lithic scatter of one stemmed biface, reused as a side scraper, manufactured from Haldimand chert (Plate 39:1); one biface, manufactured from Onondaga chert; one end scraper, manufactured from Onondaga chert; and four Onondaga chert flakes. The stemmed biface has some damage to its stem and the surviving portion measures 42 millimetres long by 27 millimetres wide by 11 millimetres thick. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 39: Location 98 (AfGw-226) Stemmed Biface (actual size)

3.3.44 Location 99 (AfGw-227)

1 BIF, 24 CDE, recommended:

Location 99 (AfGw-227) is a pre-contact Aboriginal site, approximately 10 metres by 20 metres in size. The site consists of a surface lithic scatter of one biface midshaft fragment, manufactured from Onondaga chert, and 24 Onondaga chert flakes. The biface fragment and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.45 Location 100

1 CDE, not recommended:
Location 100 is a pre-contact Aboriginal site consisting of a surface find of one isolated Dundee chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.46 Location 101

1 CDE, not recommended:
Location 101 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.47 Location 102

1 UFL, not recommended:
Location 102 is a pre-contact Aboriginal site consisting of a surface find of one isolated utilized flake edge fragment, manufactured from Onondaga chert. This utilized flake fragment was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this utilized flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.48 Location 103

1 PPO, not recommended:
Location 103 is a pre-contact Aboriginal site consisting of a surface find of one isolated corner-notched projectile point, missing its stem, manufactured from Haldimand chert (Plate 40:1).
The surviving portion of this point measures 37 millimetres long by 24 millimetres wide by 6 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

Plate 40: Location 103 Projectile Point (actual size)

3.3.49 Location 104 (AfGw-209)

10 CDE, recommended:

Location 104 (AfGw-209) is a pre-contact Aboriginal site, approximately 12 metres by 15 metres in size. The site consists of a surface lithic scatter of 10 Dundee chert flakes. The chipping detritus was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.50 Location 105 (AfGw-210)

4 BIF, 24 CDE, recommended:

Location 105 (AfGw-210) is pre-contact Aboriginal site, approximately 23 metres by 28 metres in size. The site consists of a surface lithic scatter of four biface preforms, manufactured from Onondaga chert, and 24 Onondaga chert flakes. The bifaces and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.51 Location 106 (AfGw-233)

4 CDE, not recommended:

Location 106 (AfGw-233) is a pre-contact Aboriginal site, approximately one metre by two metres in size. The site consists of a surface lithic scatter of four Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.52 Location 107

1 UFL, not recommended:

Location 107 is a pre-contact Aboriginal site consisting of a surface find of one isolated utilized flake edge fragment, manufactured from Onondaga chert. This utilized flake fragment was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this utilized flake fragment is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.53 Location 108 (AfGw-234)

3 CDE, not recommended:

Location 108 (AfGw-234) is a pre-contact Aboriginal site, approximately five metres by five metres in size. The site consists of a surface lithic scatter of three Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.54 Location 109 (AfGw-211)

1 PPO, recommended:

Location 109 (AfGw-211) is a pre-contact Aboriginal site consisting of a surface find of one isolated Jack’s Reef Corner-Notched projectile point, with tip and a portion of the base missing, manufactured from Kettle Point chert (Plate 41:1). The surviving portion of this point measures 29 millimetres long by 27 millimetres wide by 9 millimetres thick.
In Ontario, this projectile point type dates to *circa* A.D. 500-1000, during the early Late Woodland (see Justice 1987:215). It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

*Plate 41: Location 109 (AfGw-211) Projectile Point (actual size)*

### 3.3.55 Location 110 (AfGw-212)

1 BIF, 10 CDE, recommended:

Location 110 (AfGw-212) is pre-contact Aboriginal site, approximately 10 metres by 12 metres in size. The site consists of a surface lithic scatter of one biface preform, manufactured from Onondaga chert, and 10 Onondaga chert flakes. The biface and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

### 3.3.56 Location 111 (AfGw-213)

1 FSH, recommended:

Location 111 (AfGw-213) is a pre-contact Aboriginal site consisting of a surface find of one isolated pre-contact Aboriginal ceramic body sherd fragment (Plate 42:1). No decorative or surface treatments remain visible on this sherd, although what appears to be the external surface is orange in colour, reflecting an oxidizing firing atmosphere, while what appears to be the internal surface is grey-black in colour, reflecting a reducing firing atmosphere (Rye 1981:114-118). The surviving portion of this sherd measures 16 millimetres long by 15 millimetres wide by 9 millimetres thick. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.57  Location 112 (AfGw-235)

8 CDE, not recommended:

Location 112 (AfGw-235) is a pre-contact Aboriginal site, approximately 15 metres by 20 metres in size. The site consists of a surface lithic scatter of eight Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.58  Location 113 (AfGw-236)

5 CDE, not recommended:

Location 113 (AfGw-236) is a pre-contact Aboriginal site, approximately 10 metres by 15 metres in size. The site consists of a surface lithic scatter of five Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.59  Location 114 (AfGw-214)

4 UFL, 41 CDE, recommended:

Location 114 (AfGw-214) is a pre-contact Aboriginal site, approximately 15 metres by 35 metres in size. The site consists of a surface lithic scatter of four utilized flakes, one an edge fragment, manufactured from Onondaga chert, and 41 Onondaga chert flakes. The utilized flakes and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.60 Location 115 (AfGw-215)

1 BIF, 2 SCR, 1 PER, 4 RTF, 1 UFL, 2 COR, 88+ CDE, recommended:

Location 115 (AfGw-215) is a pre-contact Aboriginal site, approximately 60 metres by 55 metres in size. The site consists of a surface lithic scatter of one biface preform, manufactured from Onondaga chert, one end scraper, manufactured from Onondaga chert (Plate 43:1), one side scraper, manufactured from Onondaga chert (Plate 43:2), one perforator, manufactured from Onondaga chert, four retouched flakes, manufactured from Onondaga chert, one utilized flake, manufactured from Onondaga chert, two multidirectional cores, manufactured from Onondaga chert, and 88+ Onondaga chert flakes. The end scraper measures 47 millimetres long by 39 millimetres wide by 9 millimetres thick. The side scraper measures 45 millimetres long by 29 millimetres wide by 11 millimetres thick. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 43: Location 115 (AfGw-215) End Scraper and Side Scraper (actual size)

1: Scraper 2: Scraper

3.3.61 Location 116

1 CDE, not recommended:

Location 116 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.62 Location 117

1 CDE, not recommended:

Location 117 is a pre-contact Aboriginal site consisting of a surface find of one isolated Dundee chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.63 Location 118 (AfGw-216)

1 PPO, 1 BIF, 1 RTF, 8 CDE, recommended:

Location 110 (AfGw-216) is pre-contact Aboriginal site, approximately 25 metres by 40 metres in size. The site consists of a surface lithic scatter of one reworked Otter Creek projectile point, missing one lateral edge and one ear, manufactured from Onondaga chert (Plate 44:1); one biface preform, manufactured from Onondaga chert; one retouched flake, manufactured from Onondaga chert; and eight Onondaga chert flakes. In Ontario, Otter Creek projectile points date to circa 4340-3960 B.C. or a little later, during the Middle Archaic period (Ellis et al. 2009:802; Ritchie 1971:40-41). The surviving portion of the Otter Creek projectile point measures 37 millimetres long by 23 millimetres wide by 6 millimetres thick. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 44: Location 118 (AfGw-216) Projectile Point (actual size)
3.3.64 Location 119 (AfGw-217)

57 CDE, recommended:

Location 119 (AfGw-217) is a pre-contact Aboriginal site, approximately 20 metres by 22 metres in size. The site consists of a surface lithic scatter of 57 Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.65 Location 120 (AfGw-237)

7 CDE, not recommended:

Location 120 (AfGw-237) is a pre-contact Aboriginal site, approximately five metres by 10 metres in size. The site consists of a surface lithic scatter of seven Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.66 Location 121 (AfGw-238)

3 CDE, not recommended:

Location 121 (AfGw-238) is a pre-contact Aboriginal site, approximately one metre by five metres in size. The site consists of a surface lithic scatter of three Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.67 Location 122 (AfGw-218)

17 CDE, recommended:

Location 122 (AfGw-218) is a pre-contact Aboriginal site, approximately 10 metres by 12 metres in size. The site consists of a surface lithic scatter of 17 Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.68 Location 123 (AfGw-219)

1 PPP, 1 BIF, 14 CDE, recommended:

Location 123 (AfGw-219) is a pre-contact Aboriginal site, approximately 18 metres by 25 metres in size. The site consists of a surface lithic scatter of one side-notched projectile point preform, with a damaged stem, manufactured from Onondaga chert (Plate 45:1); one biface fragment, manufactured from Onondaga chert; and 14 Onondaga chert flakes. The side-notched projectile point preform measures 44 millimetres long by 32 millimetres wide by 7 millimetres thick. The biface fragment and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 45: Location 123 (AfGw-219) Projectile Point Preform (actual size)

3.3.69 Location 124 (AfGw-220)

1 BIF, 1 SCR, 42 CDE, recommended:

Location 124 (AfGw-220) is a pre-contact Aboriginal site, approximately 20 metres by 55 metres in size. The site consists of a surface lithic scatter of one triangular biface base fragment, manufactured from Onondaga chert; one large thumbnail end scraper, manufactured from Onondaga chert (Plate 46:1); and 42 Onondaga chert flakes. The thumbnail scraper measures 35 millimetres long by 28 millimetres wide by 11 millimetres thick. The biface fragment and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.70 Location 125 (AfGw-221)

4 BIF, 29 CDE, recommended:

Location 125 (AfGw-221) is a pre-contact Aboriginal site, approximately 15 metres by 30 metres in size. The site consists of a surface lithic scatter of three biface fragments, manufactured from Onondaga chert; one biface fragment, manufactured from Haldimand chert; and 29 Onondaga chert flakes. The biface fragments and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.71 Location 126 (AfGw-222)

1 PPO, 1 CDE, recommended:

Location 126 (AfGw-222) is a pre-contact Aboriginal site consisting of a surface lithic scatter of one Brewerton Side-Notched projectile point, with damaged stem, manufactured from Onondaga chert (Plate 47:1), and one Onondaga chert flake located approximately eight metres apart. The Brewerton Side-Notched projectile point measures 55 millimetres long by 28 millimetres wide by 10 millimetres thick. In Ontario, this projectile point type dates to circa 3780-3200 B.C., during the Middle Archaic (see Ellis et al. 2009:808). The chipping detritus was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.72 Location 127 (AfGw-228)

1 SCR, 8 CDE, recommended:

Location 127 (AfGw-228) is a pre-contact Aboriginal site, approximately five metres by 15 metres in size. The site consists of a surface lithic scatter of one end scraper, manufactured from Onondaga chert, and eight Onondaga chert flakes. The end scraper and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.73 Location 128

1 UFL, not recommended:

Location 128 is a pre-contact Aboriginal site consisting of a surface find of one isolated utilized flake edge fragment, manufactured from Onondaga chert. This utilized flake fragment was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this utilized flake fragment is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.74 Location 129 (AfGw-223)

1 SCR, 31 CDE, recommended:

Location 129 (AfGw-223) is a pre-contact Aboriginal site, approximately five metres by 35 metres in size. The site consists of a surface lithic scatter of one end scraper, manufactured from Onondaga chert, and 31 Onondaga chert flakes. The end scraper and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.75 Location 130

1 CDE, not recommended:

Location 130 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.76 Location 131 (AfGx-737)

4 BIF, 1 COR, 92 CDE, recommended:

Location 131 (AfGx-737) is a pre-contact Aboriginal site, approximately 30 metres by 60 metres in size. The site consists of a surface lithic scatter of four biface preforms, manufactured from Onondaga chert; one multidirectional core, manufactured from Onondaga chert, and 92 Onondaga chert flakes. The biface preforms, core and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.77 Location 132 (AfGx-738)

1 BIF, 10 CDE, recommended:

Location 132 (AfGx-738) is a pre-contact Aboriginal site, approximately 10 metres by 10 metres in size. The site consists of a surface lithic scatter of one triangular biface base fragment, manufactured from Onondaga chert, and 10 Onondaga chert flakes. The biface fragment and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.78 Location 133

2 CDE, not recommended:

Location 133 is a pre-contact Aboriginal site consisting of a surface lithic scatter of two Onondaga chert flakes located approximately 2 metres apart. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.79 Location 134 (AfGx-739)

1 SCR, 2 CDE, not recommended:

Location 134 (AfGx-739) is a pre-contact Aboriginal site, approximately five metres by 10 metres in size. The site consists of a surface lithic scatter of one end scraper, manufactured from Onondaga chert, and two Onondaga chert flakes. The end scraper and chipping detritus were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.80 Location 135 (AfGx-854)

3 CDE, not recommended:

Location 135 (AfGx-854) is a pre-contact Aboriginal site, approximately four metres by four metres in size. The site consists of a surface lithic scatter of three Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.81 Location 136 (AfGx-740)

1 PPO, not recommended:

Location 136 (AfGx-740) is a pre-contact Aboriginal site consisting of a surface find of one isolated Brewerton Side-Notched projectile point, manufactured from Onondaga chert (Plate 48:1). This projectile point measures 58 millimetres long by 34 millimetres wide by 9 millimetres thick. In Ontario, this projectile point type dates to circa 3780-3200 B.C. (see Ellis et al. 2009:808). As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

Plate 48: Location 136 (AfGx-740) Projectile Point (actual size)

1. Projectile Point

3.3.82 Location 137 (AfGx-741)

1 COR, 31 CDE, recommended:

Location 137 (AfGx-741) is a pre-contact Aboriginal site, approximately 15 metres by 25 metres in size. The site consists of a surface lithic scatter of one multidirectional core, manufactured from Onondaga chert, and 31 Onondaga chert flakes. The core and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.83  Location 138 (AfGx-855)

4 CDE, not recommended:

Location 138 (AfGx-855) is a pre-contact Aboriginal site, approximately 10 metres by 10 metres in size. The site consists of a surface lithic scatter of four Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.84  Location 139

1 CDE, not recommended:

Location 139 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.85  Location 140 (AfGx-742)

2 BIF, 1 COR, 48 CDE, recommended:

Location 140 (AfGx-742) is a pre-contact Aboriginal site, approximately 25 metres by 25 metres in size. The site consists of a surface lithic scatter of two biface preforms, manufactured from Onondaga chert; one multidirectional core, manufactured from Onondaga chert; and 48 Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.86  Location 141

1 CDE, not recommended:

Location 141 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time.
As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.87 Location 142

1 CDE, not recommended:

Location 142 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.88 Location 143

1 PPO, not recommended:

Location 143 is a pre-contact Aboriginal site consisting of a surface find of one isolated stemmed projectile point, shoulders and stem damaged, manufactured from Haldimand chert (Plate 49:1). The surviving portion of this projectile point measures 47 millimetres long by 26 millimetres wide by 6 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

*Plate 49: Location 143 Projectile Point (actual size)*

1. Projectile Point
3.3.89 Location 144

1 CDE, not recommended:
Location 144 is a pre-contact Aboriginal site consisting of a surface find of one isolated Dundee chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.90 Location 145

4 CDE, not recommended:
Location 145 is a pre-contact Aboriginal site, approximately eight metres by 30 metres in size. The site consists of a surface lithic scatter of four Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.91 Location 146

1 BIF, not recommended:
Location 146 is a pre-contact Aboriginal site consisting of a surface find of one isolated biface fragment, manufactured from Onondaga chert. This biface fragment was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this biface fragment is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.92 Location 147

1 BIF, not recommended:
Location 147 is a pre-contact Aboriginal site consisting of a surface find of one isolated biface fragment, manufactured from Onondaga chert. This biface fragment was not retained for laboratory analysis at this time.
As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this biface fragment is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.93 Location 148

2 CDE, not recommended:

Location 148 is a pre-contact Aboriginal site consisting of a surface lithic scatter of two Onondaga chert flakes located approximately two metres apart. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.94 Location 149 (AfGw-224)

1 PPO, not recommended:

Location 149 (AfGw-224) is a pre-contact Aboriginal site consisting of a surface find of one isolated Meadowood projectile point base, missing one ear, manufactured from Onondaga chert (Plate 50:1). The surviving portion of this projectile point measures 35 millimetres long by 25 millimetres wide by 6 millimetres thick. In Ontario, this projectile point type dates to circa 1000-500 B.C., during the Early Woodland (Kenyon 1980). As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

Plate 50: Location 149 (AfGw-224) Projectile Point (actual size)
3.3.95 Location 150 (AfGw-239)

1 UFL, 4 CDE, not recommended:

Location 150 (AfGw-239) is a pre-contact Aboriginal site, approximately five metres by 10 metres in size. The site consists of a surface lithic scatter of one utilized flake, manufactured from Onondaga chert, and four Onondaga chert flakes. The utilized flake and chipping detritus were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.96 Location 151

1 CDE, not recommended:

Location 151 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.97 Location 152 (AfGw-225)

10 CDE, recommended:

Location 152 (AfGw-225) is a pre-contact Aboriginal site, approximately five metres by eight metres in size. The site consists of a surface lithic scatter of 10 Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.98 Location 153 (AfGw-240)

4 CDE, not recommended:

Location 153 (AfGw-240) is a pre-contact Aboriginal site, approximately six metres by eight metres in size. The site consists of a surface lithic scatter of three Onondaga chert flakes and one Haldimand chert flake.
The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.99 Location 154

1 CDE, not recommended:

Location 154 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.100 Location 155 (AfGw-241)

1 SCR, 1 GRV, 7 RTF, 1 UFL, 4 COR, 1 HAM, 15 CDE, recommended:

Location 155 (AfGw-241) is a pre-contact Aboriginal site, approximately 10 metres by 20 metres in size. The site consists of a surface lithic scatter of one end scraper, possibly a reused perforator, manufactured from Onondaga chert (Plate 51:1), one graver, manufactured from Onondaga chert, seven retouched flakes, manufactured from Onondaga chert, one utilized flake, manufactured from Onondaga chert, four multidirectional cores, manufactured from Onondaga chert, one hammerstone, manufactured from a material not identified in the field, and 15 Onondaga chert flakes. The end scraper measures 49 millimetres long by 45 millimetres wide by 19 millimetres thick. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.
3.3.101 Location 156

1 RTF, 1 CDE, not recommended:

Location 156 is a pre-contact Aboriginal site, approximately 10 metres by three metres in size. The site consists of a surface lithic scatter of one retouched flake, manufactured from Onondaga chert, and one Onondaga chert flake. The retouched flake and chipping detritus were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.102 Location 157 (AfGw-242)

4 BIF, 2 SCR, 4 GRV, 13 RTF, 4 UFL, 7 COR, 3 HAM, 115 CDE, recommended:

Location 157 (AfGw-242) is a pre-contact Aboriginal site, approximately 70 metres by 115 metres in size. The site consists of a surface lithic scatter of four bifaces, manufactured from Onondaga chert, one of which a two-piece cross-mend (Plate 52:1), another of which a midshaft fragment (Plate 52:2) and two of which preforms, one end scraper, manufactured from Onondaga chert (52:3), one side scraper, manufactured from Onondaga chert (52:4), four gravers, manufactured from Onondaga chert, 13 retouched flakes, manufactured from Onondaga chert, four utilized flakes, manufactured from Onondaga chert, seven multidirectional cores, manufactured from Onondaga chert, three hammerstones, manufactured from a material not identified in the field, and 115 Onondaga chert flakes. The cross-mending biface measures 52 millimetres long by 25 millimetres wide by 5 millimetres thick. The surviving portion of the midshaft biface fragment measures 26 millimetres long by 25 millimetres wide by 5 millimetres thick. The end scraper measures 22 millimetres long by 23 millimetres wide by 6 millimetres thick.
The side scraper measures 45 millimetres long by 37 millimetres wide by 11 millimetres thick. The other tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

Plate 52: Location 157 (AfGw-242) Artifacts (actual size)

3.3.103 Location 158 (AfGw-243)

2 RTF, 1 UFL, 1 HAM, 1 CDE, not recommended:

Location 158 (AfGw-243) is a pre-contact Aboriginal site, approximately 20 metres by 15 metres in size. The site consists of a surface lithic scatter of two retouched flakes, manufactured from Onondaga chert, one utilized flake, manufactured from Dundee chert, one hammerstone, manufactured from a material not identified in the field, and one Onondaga chert flake.
The tools and chipping detritus were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

### 3.3.104 Location 159

1 *RTF, not recommended*:

Location 159 is a pre-contact Aboriginal site consisting of a surface find of one isolated retouched flake, manufactured from Onondaga chert. This retouched flake was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this retouched flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

### 3.3.105 Location 160

2 *CDE, not recommended*:

Location 160 is a pre-contact Aboriginal site, approximately five metres by three metres in size. The site consists of a surface lithic scatter of two Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

### 3.3.106 Location 161

1 *BIF, not recommended*:

Location 161 is a pre-contact Aboriginal site consisting of a surface find of one isolated biface preform, manufactured from Onondaga chert. This biface preform was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this biface preform is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.107  Location 162

1 BIF, not recommended:

Location 162 is a pre-contact Aboriginal site consisting of a surface find of one isolated biface fragment, manufactured from Onondaga chert. This biface fragment was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this biface fragment is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.108  Location 163 (AfGw-244)

1 RTF, 1 UFL, 1 COR, 20 CDE, recommended:

Location 163 (AfGw-244) is a pre-contact Aboriginal site, approximately 15 metres by 15 metres in size. The site consists of a surface lithic scatter of one retouched flake, manufactured from Onondaga chert, one utilized flake, manufactured from Onondaga chert, one multidirectional core, manufactured from Onondaga chert, 15 Dundee chert flakes and five Onondaga chert flakes. The tools and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.109  Location 164 (AfGw-245)

1 RTF, 3 CDE, not recommended:

Location 164 (AfGw-245) is a pre-contact Aboriginal site, approximately 10 metres by 4 metres in size. The site consists of a surface lithic scatter of one retouched flake, manufactured from Onondaga chert, two Onondaga chert flakes and one Dundee chert flake. The retouched flake and chipping detritus were not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.110 Location 165 (AfGw-246)

2 RTF, 12 CDE, recommended:

Location 165 (AfGw-246) is a pre-contact Aboriginal site, approximately 15 metres by 10 metres in size. The site consists of a surface lithic scatter of two retouched flakes, manufactured from Onondaga chert, 10 Dundee chert flakes and two Onondaga chert flakes. The retouched flakes and chipping detritus were not retained for laboratory analysis at this time. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.111 Location 166

1 RTF, 1 COR, not recommended:

Location 156 is a pre-contact Aboriginal site, approximately three metres by one metre in size. The site consists of a surface lithic scatter of one retouched flake, manufactured from Onondaga chert, and one multidirectional core, manufactured from Onondaga chert. The retouched flake and core were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.112 Location 167

1 SCR, not recommended:

Location 167 is a pre-contact Aboriginal site consisting of a surface find of one isolated end scraper, manufactured from Onondaga chert (Plate 53:1). The end scraper measures 51 millimetres long by 40 millimetres wide by 11 millimetres thick. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this scraper is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.113 Location 168

1 CDE, not recommended:

Location 168 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.114 Location 169

1 UFL, not recommended:

Location 169 is a pre-contact Aboriginal site consisting of a surface find of one isolated utilized flake, manufactured from Onondaga chert. This utilized flake was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this utilized flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.115 Location 170

1 RTF, not recommended:

Location 170 is a pre-contact Aboriginal site consisting of a surface find of one isolated retouched flake, manufactured from Onondaga chert. This retouched flake was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this retouched flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.116 Location 171

1 CDE, not recommended:

Location 171 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.117 Location 172

1 CDE, not recommended:

Location 172 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.118 Location 173 (AfGw-248)

5 CDE, not recommended:

Location 173 (AfGw-248) is a pre-contact Aboriginal site, approximately five metres by eight metres in size. The site consists of a surface lithic scatter of five Onondaga chert flakes.
The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

### 3.3.119 Location 174

1 CDE, not recommended:

Location 174 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

### 3.3.120 Location 175

1 PPO, not recommended:

Location 175 is a pre-contact Aboriginal site consisting of a surface find of one isolated stemmed projectile point, its tip, shoulders and stem damaged, manufactured from Haldimand chert (Plate 54:1). The surviving portion of this projectile point measures 40 millimetres long by 25 millimetres wide by 5 millimetres thick. Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

*Plate 54: Location 175 Projectile Point (actual size)*
3.3.121 Location 176 (AfGw-249)

1 COR, 16 CDE, recommended:

Location 176 (AfGw-249) is a pre-contact Aboriginal site, approximately 20 metres by 20 metres in size. The site consists of a surface lithic scatter of one multidirectional core, manufactured from Onondaga chert, and 16 Onondaga chert flakes. It is recommended that this site be subject to a Stage 3 archaeological investigation to further evaluate its cultural heritage value or interest. The Stage 3 assessment would include the mapping of any surface finds and the hand excavation of a series of one-metre square test units.

3.3.122 Location 177

1 RTF, 1 CDE, not recommended:

Location 177 is a pre-contact Aboriginal site, approximately one metre by two metres in size. The site consists of a surface lithic scatter of one retouched flake, manufactured from Onondaga chert, and one Onondaga chert flake. The retouched flake and chipping detritus were not retained for laboratory analysis at this time. Given that these artifacts are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.123 Location 178

1 CDE, not recommended:

Location 178 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.124 Location 179 (AfGw-250)

6 CDE, not recommended:

Location 179 (AfGw-250) is a pre-contact Aboriginal site, approximately six metres by eight metres in size. The site consists of a surface lithic scatter of six Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.
3.3.125 Location 180 (AfGw-251)

8 CDE, not recommended:
Location 180 (AfGw-251) is a pre-contact Aboriginal site, approximately 20 metres by 25 metres in size. The site consists of a surface lithic scatter of eight Onondaga chert flakes. The chipping detritus was not retained for laboratory analysis at this time. Given that these flakes are temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.126 Location 181

1 CDE, not recommended:
Location 181 is a pre-contact Aboriginal site consisting of a surface find of one isolated Haldimand chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.127 Location 182

1 CDE, not recommended:
Location 182 is a pre-contact Aboriginal site consisting of a surface find of one isolated Onondaga chert flake. This piece of chipping detritus was not retained for laboratory analysis at this time. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this flake is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

3.3.128 Location 183

1 PPO, not recommended:
Location 183 is a pre-contact Aboriginal site consisting of a surface find of one isolated projectile point, missing its tip and one ear with one reworked lateral edge, manufactured from Kettle Point chert (Plate 55:1). The surviving portion of this projectile point measures 38 millimetres long by 21 millimetres wide by 5 millimetres thick.
Due to its poor condition this projectile point cannot be assigned to a discrete typological category. As detailed in Section 3.1, survey intervals were intensified to one metre within a twenty metre radius of the find but no further artifacts were found. Given that this projectile point is the only find at this location and it is temporally non-diagnostic, the cultural heritage value or interest of this site is low and no further archaeological assessment is recommended.

Plate 55: Location 183 Projectile Point (actual size)
4.0 SUMMARY OF SPRING AND SUMMER 2011 STAGE 2 INVESTIGATIONS

The pre-contact Aboriginal locations documented during the spring and summer 2011 Stage 2 assessment of the study area range in age from the Early Archaic to the Late Woodland. Of the 116 pre-contact Aboriginal locations discovered in spring 2011, 15 can be assigned date ranges. Table 1 presents a summary of site numbers and their cultural and temporal affiliations. Table 2 presents a detailed listing of each site’s cultural and temporal affiliation with the typological artifact identified.

Table 1: Summary of Temporal Affiliations of Pre-contact Aboriginal Sites in Study Area

<table>
<thead>
<tr>
<th>Affiliation</th>
<th># of Sites</th>
<th>Date Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palaeo-Indian</td>
<td>n/a</td>
<td>9000 - 8000 B.C.</td>
</tr>
<tr>
<td>Late Palaeo-Indian</td>
<td>n/a</td>
<td>8400 - 8000 B.C.</td>
</tr>
<tr>
<td>Early Archaic</td>
<td>2</td>
<td>8000 - 6000 B.C.</td>
</tr>
<tr>
<td>Middle Archaic</td>
<td>5</td>
<td>6000 - 2500 B.C.</td>
</tr>
<tr>
<td>Middle/Late Archaic</td>
<td>n/a</td>
<td>6000 - 1400 B.C.</td>
</tr>
<tr>
<td>Broad Point Late Archaic</td>
<td>n/a</td>
<td>1800 - 1500 B.C.</td>
</tr>
<tr>
<td>Broad Point/Small Point Late Archaic</td>
<td>n/a</td>
<td>1800 - 1100 B.C.</td>
</tr>
<tr>
<td>Small Point Late Archaic</td>
<td>2</td>
<td>1500 - 1100 B.C.</td>
</tr>
<tr>
<td>Terminal Archaic</td>
<td>n/a</td>
<td>1100 - 1000/950 B.C.</td>
</tr>
<tr>
<td>Early Woodland</td>
<td>4</td>
<td>1000 - 100 B.C.</td>
</tr>
<tr>
<td>Middle Woodland</td>
<td>n/a</td>
<td>400 B.C. - A.D. 500</td>
</tr>
<tr>
<td>Late Woodland</td>
<td>2</td>
<td>A.D. 500 - Contact</td>
</tr>
</tbody>
</table>

Table 2: Pre-contact Aboriginal Sites in Study Area with Known Cultural and Temporal Assignments

<table>
<thead>
<tr>
<th>Loc.</th>
<th>Borden No.</th>
<th>Based On</th>
<th>Time Period</th>
<th>Date Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>AfGw-190</td>
<td>Adena-like projectile point</td>
<td>Early Woodland</td>
<td>c. 500-100 B.C.</td>
</tr>
<tr>
<td>66</td>
<td>AfGw-192</td>
<td>bifurcate base-like projectile point</td>
<td>Early Archaic</td>
<td>c. 8000-6910 B.C.</td>
</tr>
<tr>
<td>71</td>
<td>AfGw-196</td>
<td>Meadowood projectile point</td>
<td>Early Woodland</td>
<td>c. 1000-500 B.C.</td>
</tr>
<tr>
<td>73</td>
<td>AfGw-198</td>
<td>Ace of Spades projectile point</td>
<td>Late Archaic</td>
<td>c. 1800-1300 B.C.</td>
</tr>
<tr>
<td>79</td>
<td>AfGw-200</td>
<td>Ace of Spades projectile point</td>
<td>Late Archaic</td>
<td>c. 1800-1300 B.C.</td>
</tr>
<tr>
<td>82</td>
<td>AfGw-202</td>
<td>Brewerton Side-Notched projectile point</td>
<td>Middle Archaic</td>
<td>c. 3780-3200 B.C.</td>
</tr>
<tr>
<td>87</td>
<td>AfGw-205</td>
<td>Meadowood projectile point</td>
<td>Early Woodland</td>
<td>c. 1000-500 B.C.</td>
</tr>
<tr>
<td>Loc.</td>
<td>Borden No.</td>
<td>Based On</td>
<td>Time Period</td>
<td>Date Range</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>---------------------------------</td>
<td>------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>88</td>
<td>AfGw-206</td>
<td>Nettling projectile point</td>
<td>Early Archaic</td>
<td>c. 8600-8000 B.C.</td>
</tr>
<tr>
<td>91</td>
<td>AfGw-208</td>
<td>Brewerton Corner-Notched projectile point</td>
<td>Middle Archaic</td>
<td>c. 3780-3200 B.C.</td>
</tr>
<tr>
<td>109</td>
<td>AfGw-211</td>
<td>Jack’s Reef Corner-Notched projectile point</td>
<td>Late Woodland</td>
<td>c. A.D. 500-1000</td>
</tr>
<tr>
<td>111</td>
<td>AfGw-213</td>
<td>Aboriginal ceramic</td>
<td>Late Woodland</td>
<td>c. A.D. 500-Contact</td>
</tr>
<tr>
<td>118</td>
<td>AfGw-216</td>
<td>Otter Creek projectile point</td>
<td>Middle Archaic</td>
<td>c. 4340-3960 B.C.</td>
</tr>
<tr>
<td>126</td>
<td>AfGw-222</td>
<td>Brewerton Side-Notched projectile point</td>
<td>Middle Archaic</td>
<td>c. 3780-3200 B.C.</td>
</tr>
<tr>
<td>136</td>
<td>AfGx-740</td>
<td>Brewerton Side-Notched projectile point</td>
<td>Middle Archaic</td>
<td>c. 3780-3200 B.C.</td>
</tr>
<tr>
<td>149</td>
<td>AfGw-224</td>
<td>Meadowood projectile point</td>
<td>Early Woodland</td>
<td>c. 1000-500 B.C.</td>
</tr>
</tbody>
</table>
5.0 RECOMMENDATIONS AND ADVICE ON COMPLIANCE WITH LEGISLATION

A Stage 1 archaeological background study was previously conducted on behalf of Samsung by Stantec for a project area located in the Geographic Townships of Dunn, Rainham, South Cayuga, North Cayuga and Walpole in Haldimand County, Ontario. This area is proposed to be the site of approximately 67 wind turbines, at least three areas of solar panels and project-related infrastructure comprising the Grand Renewable Energy Park.

The Stage 1 archaeological assessment resulted in the determination that the potential for pre-contact Aboriginal and Euro-Canadian sites was deemed to be moderate to high. As a result, Stage 2 archaeological assessment was recommended for any areas to be impacted by turbine or solar panel construction, access road corridor construction or other infrastructure construction related activities.

During the winter of 2010 and 2011, Stage 2 archaeological assessment of a portion of the proposed project area was undertaken by Golder on behalf of Stantec (Golder 2011). The winter 2010-2011 Stage 2 assessment focused upon the proposed wind turbine and solar lands layout, including turbine sites, collector cable routes, access road corridors, construction roads, transmission lines, laydown areas and substations. A total of approximately 75 hectares was subject to Stage 2 archaeological assessment, consisting of approximately 34 hectares of land that could not be ploughed and, therefore, was assessed using the test pit method at an interval of five metres as well as approximately 40.5 hectares of ploughed fields, assessed using the standard pedestrian survey method at an interval of five metres. The Stage 2 archaeological assessment conducted by Golder in winter 2010-2011 resulted in the identification of 55 locations, comprising 54 pre-contact Aboriginal sites and one historic Euro-Canadian site. In summary, 25 of the 55 archaeological locations identified within the study area in winter 2010-2011 were recommended for Stage 3 assessment to further evaluate their cultural heritage value or interest.

During the spring and summer of 2011, Stage 2 archaeological assessment of the remainder of the portion of the proposed project area to be assessed by Golder Associates Ltd. was undertaken and is the subject of this report (Figure 1). The spring and summer 2011 Stage 2 assessment focused on 22 turbine locations, 25 access road corridors or collector cable routes and three portions of solar panel lands. A total of approximately 160 hectares of ploughed agricultural fields was subject to Stage 2 archaeological assessment using the standard pedestrian survey method at an interval of five metres. Additionally, a small area of approximately 10 metres by 40 metres was assessed using the test pit method at an interval of five metres. The Stage 2 archaeological assessment conducted by Golder in the spring and summer of 2011 resulted in the identification of a further 128 locations, all of which are pre-contact Aboriginal sites. In order to further evaluate their cultural heritage value or interest, 48 of the 128 archaeological locations identified within the study area in the spring and summer of 2011 are recommended for Stage 3 assessment.

Recommendations are made concerning these locations in the subsections below.
5.1 Sites Recommended for Stage 3 Assessment

Table 3 lists the pre-contact Aboriginal sites requiring Stage 3 assessment. Of the 128 pre-contact Aboriginal archaeological locations recorded in the spring and summer of 2011, 48 of them are being recommended for further archaeological assessment.

Table 3: Pre-contact Aboriginal Sites Requiring Stage 3 Archaeological Assessment

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Borden Number</th>
<th>Cultural Affiliation</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location 58</td>
<td>AfGw-188</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 59</td>
<td>AfGw-189</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 64</td>
<td>AfGw-190</td>
<td>pre-contact Aboriginal</td>
<td>c. 500-100 B.C.</td>
</tr>
<tr>
<td>Location 65</td>
<td>AfGw-191</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 66</td>
<td>AfGw-192</td>
<td>pre-contact Aboriginal</td>
<td>c. 8000-6910 B.C.</td>
</tr>
<tr>
<td>Location 68</td>
<td>AfGw-193</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 69</td>
<td>AfGw-194</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 70</td>
<td>AfGw-195</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 71</td>
<td>AfGw-196</td>
<td>pre-contact Aboriginal</td>
<td>c. 1000-500 B.C.</td>
</tr>
<tr>
<td>Location 72</td>
<td>AfGw-197</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 73</td>
<td>AfGw-198</td>
<td>pre-contact Aboriginal</td>
<td>c. 1800-1300 B.C.</td>
</tr>
<tr>
<td>Location 78</td>
<td>AfGw-199</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 79</td>
<td>AfGw-200</td>
<td>pre-contact Aboriginal</td>
<td>c. 1800-1300 B.C.</td>
</tr>
<tr>
<td>Location 81</td>
<td>AfGw-201</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 82</td>
<td>AfGw-202</td>
<td>pre-contact Aboriginal</td>
<td>c. 3780-3200 B.C.</td>
</tr>
<tr>
<td>Location 85</td>
<td>AfGw-203</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 86</td>
<td>AfGw-204</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 88</td>
<td>AfGw-206</td>
<td>pre-contact Aboriginal</td>
<td>c. 8600-8000 B.C.</td>
</tr>
<tr>
<td>Location 89</td>
<td>AfGw-207</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 91</td>
<td>AfGw-208</td>
<td>pre-contact Aboriginal</td>
<td>c. 3780-3200 B.C.</td>
</tr>
<tr>
<td>Location 98</td>
<td>AfGw-226</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 99</td>
<td>AfGw-227</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 104</td>
<td>AfGw-209</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 105</td>
<td>AfGw-210</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 109</td>
<td>AfGw-211</td>
<td>pre-contact Aboriginal</td>
<td>c. A.D. 500-1000</td>
</tr>
<tr>
<td>Location 110</td>
<td>AfGw-212</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 111</td>
<td>AfGw-213</td>
<td>pre-contact Aboriginal</td>
<td>c. A.D. 500-Contact</td>
</tr>
</tbody>
</table>
### 5.2 Sites Not Requiring any Further Archaeological Assessment

Table 4 lists the pre-contact Aboriginal sites not requiring Stage 3 assessment. Of the 128 pre-contact Aboriginal archaeological locations recorded in the spring and summer of 2011, 80 of them have been sufficiently documented and require no further archaeological assessment.

#### Table 4: Pre-contact Aboriginal Sites Not Requiring Any Further Archaeological Assessment

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Borden Number</th>
<th>Cultural Affiliation</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location 56</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 57</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 60</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 61</td>
<td>AfGw-230</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Site Name</td>
<td>Borden Number</td>
<td>Cultural Affiliation</td>
<td>Date</td>
</tr>
<tr>
<td>-----------</td>
<td>---------------</td>
<td>----------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Location 62</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 63</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 67</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 74</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 75</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 76</td>
<td>AfGw-231</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 77</td>
<td>AfGw-232</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 80</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 83</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 84</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 87</td>
<td>AfGw-205</td>
<td>pre-contact Aboriginal</td>
<td>c. 1000-500 B.C.</td>
</tr>
<tr>
<td>Location 90</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
<td>indeterminate</td>
</tr>
<tr>
<td>Location 92</td>
<td>none</td>
<td>pre-contact Aboriginal</td>
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</table>
### 5.3 Summary

In summary, 48 of the 128 archaeological locations identified within the study area in the spring and summer of 2011 are recommended for Stage 3 assessment since they are judged to be of cultural heritage value or interest requiring further documentation.

The Ontario Ministry of Tourism and Culture is asked to review the results presented and to accept this report into the Ontario Public Register of Archaeological Reports. Additional archaeological assessment is still required; hence the archaeological sites recommended for further archaeological fieldwork remain subject to Section 48(1) of the Ontario Heritage Act and may not be altered, or have artifacts removed, except by a person holding an archaeological licence.

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

It is an offence under Sections 48 and 69 of the Ontario Heritage Act for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed 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.

**GOLDER ASSOCIATES LTD.**

**ORIGINAL SIGNED**

Tracie Carmichael, B.A., B.Ed.
Project Archaeologist

Jim Wilson, M.A.
Principal, Senior Archaeologist
6.0 REFERENCES CITED

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Golder Associates Ltd.
Government of Ontario

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Ritchie, William

Rye, Owen

Smith, Donald
Spence, Michael, Robert Pihl and Carl Murphy


Stantec Consulting Inc.


Stothers, David


Tanner, Helen (ed.)


Timmins, Peter


Warrick, Gary


Weaver, Sally

White, Marian

7.0 IMPORTANT INFORMATION AND LIMITATIONS OF THIS REPORT

Golder Associates Ltd. (Golder) has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the archaeological profession currently practicing under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this report. No other warranty, expressed or implied is made.

This report has been prepared for the specific site, design objective; developments and purpose described to Golder, by Stantec Consulting Ltd. The factual data, interpretations and recommendations pertain to a specific project as described in this report and are not applicable to any other project or site location.

The information, recommendations and opinions expressed in this report are for the sole benefit of the Client. No other party may use or rely on this report or any portion thereof without Golder’s express written consent. If the report was prepared to be included for a specific permit application process, then upon the reasonable request of the Client, Golder may authorize in writing the use of this report by the regulatory agency as an Approved User for the specific and identified purpose of the applicable permit review process. Any other use of this report by others is prohibited and is without responsibility to Golder. The report, all plans, data, drawings and other documents as well as electronic media prepared by Golder are considered its professional work product and shall remain the copyright property of Golder, who authorizes only the Client and Approved Users to make copies of the report, but only in such quantities as are reasonably necessary for the use of the report by those parties. The Client and Approved Users may not give, lend, sell, or otherwise make available the report or any portion thereof to any other party without the express written permission of Golder. The Client acknowledges the electronic media is susceptible to unauthorized modification, deterioration and incompatibility and therefore the Client cannot rely upon the electronic media versions of Golder’s report or other work products.

Unless otherwise stated, the suggestions, recommendations and opinions given in this report are intended only for the guidance of the Client in the design of the specific project.

Special risks occur whenever archaeological investigations are applied to identify subsurface conditions and even a comprehensive investigation, sampling and testing program may fail to detect all or certain archaeological resources. The sampling strategies incorporated in this study comply with those identified in the Ministry of Tourism and Culture’s 1993 Archaeological Assessment Technical Guidelines (Stages 1-3 & Reporting Format).
APPENDIX A
Aboriginal Engagement
The Stage 2 archaeological assessment of the Grand Renewable Energy Park has involved consultation with and participation by First Nations people whose traditional territories are affected by the study area. The study area falls within the territory outlined by Treaty Number 3 made between the British and the Mississaugas, on December 7th, 1792, though purchased as early as 1784. Treaty Number 3 served to set aside lands for Six Nations settlement in the Grand River Valley through the Haldimand Proclamation of October 25th, 1784. Given the historic connection between Six Nations, the Grand River Valley and Haldimand County, two members of Six Nations, Jason Silver and Sheila Silver, were asked to take part in the Stage 2 Archaeological Assessment for the Grand Renewable Energy Park. Both Jason and Sheila worked as archaeological field technicians for Golder Associates in 2010 and 2011. Aside from their duties as archaeological field technicians, Jason and Sheila also work as First Nations monitors for the Haldimand Tract and report annually to Mr. Paul General of the Six Nations Eco-Centre on archaeological projects conducted within the Haldimand Tract.

Mrs. Silver was present in the field on December 6th and 11th, 2010, June 14th, 2011, and July 6th, 2011. Mr. Silver was present in the field on December 6th, 2010, June 14th, 2011, and July 6th, 2011. With the expanding role that First Nations engagement is taking in Ontario Cultural Resource Management, it is expected and understood that the involvement of First Nations will increase if any Stage 3 or Stage 4 archaeological assessment is to be conducted within the study area.
APPENDIX B
Stage 2 Study Methods and Results
STAGE 2 ARCHAEOLOGICAL ASSESSMENT
GRAND RENEWABLE ENERGY PARK
HALDIMAND COUNTY, ONTARIO

STAGE 2 METHODS AND RESULTS

LEGEND

- Turbine
- Archaeological Site (No Stage 3 Required)
- Archaeological Site (Stage 3 Required)
- Stage 2 Completed Winter 2010-2011
- Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)
- Poorly Drained Area
- Underground Cable
- Overhead Cable
- Access Road
- Watercourse

REFERENCE

Base Data - MNR NRVS, obtained 2004, CANMAP v2006.4
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2008
Projection: Transversal Mercator Datum: NAD 83 Coordinate System: UTM Zone 17

150 75 0 150
SCALE 1:8,500
METRES

PROJECT NO. 10-1136-0072 SCALE AS SHOWN REV. E0
 CHECK: BC 11 May 2011
 REVIEW: BC 11 May 2011
 TILE D
LEGEND

- Turbine
- Plate Number and Direction
- Archaeological Site (No Stage 3 Required)
- Archaeological Site (Stage 3 Required)
- Stage 2 Completed Winter 2010-2011
- Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)
- Underground Cable
- Overhead Cable
- Access Road
- Watercourse

REFERENCE

Base Data - MNR NRVS, obtained 2004, CANMAP v2006.4
Produced by Golder Associates Ltd under licence from Ontario Ministry of Natural Resources, © Queens Printer 2008
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17
STAGE 2 METHODS AND RESULTS

PROJECT NO. 10-1136-0072
SCALE AS SHOWN
REV. ES

TILE F
LEGEN D

Turbine
Plate Number and Direction

Archaeological Site (No Stage 3 Required)
Stage 2 Completed Winter 2010-2011
Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)

Underground Cable
Overhead Cable
Access Road
Watercourse

REFERENCE
Base Data - MNR NRVIS, obtained 2004. CANMAP v2006.4
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Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17

STAGE 2 METHODS AND RESULTS

PROJECT NO. 10-1136-0072 SCALE AS SHOWN
TILE G
STAGE 2 METHODS AND RESULTS

LEGEND

Turbine
Plate Number and Direction

Archaeological Site (No Stage 3 Required)
Archaeological Site (Stage 3 Required)
Stage 2 Completed Winter 2010-2011
Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)

Underground Cable
Overhead Cable
Access Road
Watercourse

PROJECT
STAGE 2 ARCHAEOLOGICAL ASSESSMENT
GRAND RENEWABLE ENERGY PARK
HALDIMAND COUNTY, ONTARIO

REFERENCE
Base Data - MNR MRVIB, obtained 2004. CANMAP v2006.4
Produced by Golder Associates Ltd under licence from
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Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17

TILE H
TILE I

PROJECT NO. 10-1136-0072 SCALE AS SHOWN

STAGE 2 METHODS AND RESULTS

ARCHAEOLOGICAL ASSESSMENT
GRAND RENEWABLE ENERGY PARK
HALDIMAND COUNTY, ONTARIO

REFERENCE
Base Data - MNR NRVS, obtained 2004. CANMAP v2006.4
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Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17

LEGEND
Turbine
Underground Cable
Overhead Cable
Access Road
Watercourse

Archaeological Site (No Stage 3 Required)
Stage 2 Completed Winter 2010-2011
Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)
Disturbed Area

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PROJECT NO. 10-1136-0072
PROJECT TITLE
STAGE 2 METHODS AND RESULTS
STAGE 2 ARCHAEOLOGICAL ASSESSMENT
GRAND RENEWABLE ENERGY PARK
HALDIMAND COUNTY, ONTARIO

LEGEND
- Turbine
- Archaeological Site (No Stage 3 Required)
- Archaeological Site (Stage 3 Required)
- Stage 2 Completed Winter 2010-2011
- Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)
- Surveyed Area Spring 2011 (Test Pitted 5m Intervals)
- Plate Number and Direction
- Underground Cable
- Overhead Cable
- Access Road
- Watercourse

REFERENCE
Base Data - MNR MRVBS, obtained 2004. CANMAP v2006.4
Produced by Golder Associates Ltd under licence from
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Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17

Golder Associates
Mississauga, Ontario

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589000
475000
588000
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0025002

TILE L
STAGE 2 METHODS AND RESULTS

TURBINE 5

LEGEND

- Stage 2 Completed Winter 2010-2011
- Surveyed Area Spring and Summer 2011 (Pedestrian 5m Intervals)

- Turbine
- Plate Number and Direction
- Underground Cable
- Overhead Cable
- Access Road
- Watercourse

REFERENCE

Base Data - MNR MVRIS, obtained 2004. CANMAP v2006.4
Produced by Golder Associates Ltd under licence from
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Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17

PROJECT

STAGE 2 ARCHAEOLOGICAL ASSESSMENT
GRAND RENEWABLE ENERGY PARK
HALDIMAND COUNTY, ONTARIO

TITLE

STAGE 2 METHODS AND RESULTS
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<td>1</td>
<td>Onondaga; Brewerton Side-Notched; tip damaged; one barb damaged</td>
</tr>
<tr>
<td>Location 87  (AfGw-205)</td>
<td>Cat. No.</td>
<td>Context</td>
<td>Artifact(s)</td>
<td>Freq.</td>
</tr>
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</tr>
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<table>
<thead>
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<th>Location 88  (AfGw-206)</th>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tbody>
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<td>surface</td>
<td>PPO</td>
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<td>Haldimand; Nettling</td>
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<table>
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<th>Location 91  (AfGw-208)</th>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tbody>
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<td>Onondaga; Brewerton Corner-Notched</td>
</tr>
<tr>
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<td>1</td>
<td>Onondaga; fragment; radial fracture; burnt; possible ritual kill</td>
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<table>
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<th>Freq.</th>
<th>Comments</th>
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<tbody>
<tr>
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<td>surface</td>
<td>PPO</td>
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<td>Onondaga; stem and tip missing</td>
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<th>Location 96</th>
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<td>1</td>
<td>surface</td>
<td>PPO</td>
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<td>Onondaga; mid-shaft</td>
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<table>
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<th>Location 97</th>
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<th>Comments</th>
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<tbody>
<tr>
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<td>1</td>
<td>surface</td>
<td>PPO</td>
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<td>Onondaga; stem missing</td>
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<th>Location 98  (AfGw-226)</th>
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<tr>
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<td>surface</td>
<td>BIF</td>
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<td>Haldimand; stemmed; base damaged; reused as side scraper</td>
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<tr>
<th>Location 103</th>
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<th>Freq.</th>
<th>Comments</th>
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<tr>
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<td>surface</td>
<td>PPO</td>
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<td>Haldimand; corner-notched; stem missing</td>
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## Appendix C
### Complete Stage 2 Catalogue

<table>
<thead>
<tr>
<th>Location 109 (AfGw-211)</th>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<td>1</td>
<td>surface</td>
<td>PPO</td>
<td>1</td>
<td>Kettle Point; Jack’s Reef Corner-Notched; tip and one tang edge missing</td>
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<table>
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<tr>
<th>Location 111 (AfGw-213)</th>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<td>surface</td>
<td>FSH</td>
<td>1</td>
<td>Aboriginal ceramic; surface treatment obliterated</td>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tbody>
<tr>
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<td>1</td>
<td>surface</td>
<td>SCR</td>
<td>1</td>
<td>end; lateral edges also retouched</td>
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<tr>
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<td>surface</td>
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<td>side</td>
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<table>
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<th>Context</th>
<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<td>1</td>
<td>surface</td>
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<td>Onondaga; Otter Creek; one lateral edge and tang edge missing</td>
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<table>
<thead>
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<th>Location 123 (AfGw-219)</th>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tr>
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<td>surface</td>
<td>PPP</td>
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<td>Onondaga; side-notched; stem damaged</td>
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<table>
<thead>
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<th>Location 124 (AfGw-220)</th>
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<th>Freq.</th>
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<tbody>
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<td>1</td>
<td>surface</td>
<td>SCR</td>
<td>1</td>
<td>Onondaga; thumbnail; end</td>
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<table>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tbody>
<tr>
<td></td>
<td>1</td>
<td>surface</td>
<td>PPO</td>
<td>1</td>
<td>Onondaga; Brewerton Side-Notched; stem damaged</td>
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<table>
<thead>
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<th>Artifact(s)</th>
<th>Freq.</th>
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<tbody>
<tr>
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<td>1</td>
<td>surface</td>
<td>PPO</td>
<td>1</td>
<td>Onondaga; Brewerton Side-Notched</td>
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## APPENDIX C
### COMPLETE STAGE 2 CATALOGUE

<table>
<thead>
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<th>Location 143</th>
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<th>Artifact(s)</th>
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<tbody>
<tr>
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<td>1</td>
<td>surface</td>
<td>PPO</td>
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<td>Haldimand; stemmed; shoulders and stem damaged</td>
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<table>
<thead>
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<th>Location 149 (AfGw-224)</th>
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<th>Context</th>
<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>surface</td>
<td>PPO</td>
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<td>Onondaga; Meadowood; base; one tang edge missing</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Location 157 (AfGw-241)</th>
<th>Cat. No.</th>
<th>Context</th>
<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tbody>
<tr>
<td></td>
<td>1</td>
<td>surface</td>
<td>SCR</td>
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<td>end; possible perforator reused</td>
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<table>
<thead>
<tr>
<th>Location 157 (AfGw-242)</th>
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<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tr>
<td></td>
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<td>prob. corner notched; two-piece mend; base missing; reused</td>
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<tr>
<td></td>
<td>2</td>
<td>surface</td>
<td>BIF</td>
<td>1</td>
<td>midshaft; serrated</td>
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<tr>
<td></td>
<td>3</td>
<td>surface</td>
<td>SCR</td>
<td>1</td>
<td>side</td>
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<tr>
<td></td>
<td>4</td>
<td>surface</td>
<td>SCR</td>
<td>1</td>
<td>end; fossil cavity near bit end</td>
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<table>
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<th>Context</th>
<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<td>surface</td>
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<td>end</td>
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<th>Freq.</th>
<th>Comments</th>
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<tbody>
<tr>
<td></td>
<td>1</td>
<td>surface</td>
<td>PPO</td>
<td>1</td>
<td>Haldimand; stemmed; tip, shoulders and stem damaged</td>
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<table>
<thead>
<tr>
<th>Location 183</th>
<th>Cat. No.</th>
<th>Context</th>
<th>Artifact(s)</th>
<th>Freq.</th>
<th>Comments</th>
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<tbody>
<tr>
<td></td>
<td>1</td>
<td>surface</td>
<td>PPO</td>
<td>1</td>
<td>Kettle Point; possibly corner notched; extensive base and tip damage; lateral edge reworked</td>
</tr>
</tbody>
</table>
APPENDIX D
UTM Coordinates of Archaeological Sites
## APPENDIX D
### UTM COORDINATES OF ARCHAEOLOGICAL SITES

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Borden Number</th>
<th>UTM Coordinates</th>
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<tbody>
<tr>
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<tr>
<td>Location 57</td>
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<td>17T 598069/4750322</td>
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<tr>
<td>Location 58</td>
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<tr>
<td>Location 59</td>
<td>AfGw-189</td>
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<td>Location 60</td>
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<tr>
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## UTM Coordinates of Archaeological Sites

### Site Name | Borden Number | UTM Coordinates
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Location 169 | none | 17T 602145/4748975
Location 170 | none | 17T 602164/4748860
Location 171 | none | 17T 605242/4746301
Location 172 | none | 17T 597549/4748857
Location 173 | AfGw-248 | 17T 597548/4748879
Location 174 | none | 17T 597626/4749009
Location 175 | none | 17T 597510/4749071
Location 176 | AfGw-249 | 17T 597494/4749036
Location 177 | none | 17T 597202/4749425
Location 178 | none | 17T 597209/4749226
Location 179 | AfGw-250 | 17T 597598/4749549
Location 180 | AfGw-251 | 17T 597703/4749281
Location 181 | none | 17T 597725/4749247
Location 182 | none | 17T 597811/4749053
Location 183 | none | 17T 597822/4749034
At Golder Associates we strive to be the most respected global group of companies specializing in ground engineering and environmental services. Employee owned since our formation in 1960, we have created a unique culture with pride in ownership, resulting in long-term organizational stability. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees now operating from offices located throughout Africa, Asia, Australasia, Europe, North America and South America.

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