

**THE STAGE 1-3 ARCHAEOLOGICAL ASSESSMENT
OF THE RAINSONG LAND DEVELOPMENT INC.
PROPERTY, PART OF LOT 15, CONCESSION 11,
TOWNSHIP OF INNISFIL, SIMCOE COUNTY**
(original)



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Prepared by

Archaeological Assessments Ltd.

2227 Wuthering Heights Way, Oakville, Ontario L6M 0A3

Telephone - 905-469-8690 Facsimile - 905-469-8702

Consulting Archaeologist: Rick Sutton

Archaeological Consulting Licence Number P013

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Supporting Documents
Supporting Documents

Site Location
GPS Coordinates

PROJECT PERSONNEL

Project Director	Rick Sutton (License P013)
Field Director	Chris Brown (License P361)
Report Preparation	Rick Sutton (License P013)
Field Assistants	Ian Dutcher, Jennie Fiddes, Sally Lynch, Rick Sutton

EXECUTIVE SUMMARY

This report details the rationale, methods and results of the Stage 1-3 Archaeological Assessment of the Rainsong Land Development Inc. Property, Part Of Lot 15, Concession 11, Township Of Innisfil, Simcoe County. An archaeological assessment was required by the Planning Act (1990) prior to the development of a residential subdivision on these lands.

The 50 hectare subject property consists largely of agricultural lands, along with a woodlot, some scrublands and a small lawn area. The Stage 2 assessment was conducted in November, 2013. All of the agricultural fields were ploughed and were pedestrian surveyed at 5 metre intervals. The woodlot, scrublands and lawn area were shovel test pitted at 5 metre intervals.

One archaeological site was found as a result of the assessment and was registered as the George Warnica site (BcGv-40). The George Warnica site (BcGv-40) is a late 19th century Euro-Canadian homestead. Our firm carried out a Stage 3 assessment of the site in May, 2014. The Stage 3 assessment consisted of a controlled surface collection and the excavation of a total of 39 one metre square test units at 5-10 metre intervals across the site. The diagnostic artifacts recovered during the Stage 3 assessment indicate that the site was occupied from the 1860's until the end of the 19th century. Given the late date of occupation, this site does not have cultural heritage value and does not require Stage 4 mitigation.

The results of the Stage 1-3 archaeological assessment indicates that the subject property does not contain any archaeological sites that have cultural heritage value. Accordingly, there are no other further concerns for impacts to archaeological resources on this 50 hectare parcel of land. No further archaeological assessment of this parcel of land is required.

1.0 PROJECT CONTEXT

1.1 INTRODUCTION AND DEVELOPMENT CONTEXT

This report details the rationale, methods and results of the Stage 1-3 Archaeological Assessment of the Rainsong Land Development Inc. Property, Part Of Lot 15, Concession 11, Township Of Innisfil, Simcoe County. An archaeological assessment was required by the Planning Act (1990) prior to the development of a residential subdivision on these lands.

Permission for access to the property and to remove and curate artifacts was granted by the land owner. All fieldwork was conducted under archaeological consulting licence No. P013, issued to Rick Sutton. The assessment was conducted in accordance with the provisions of the Ontario Heritage Act (Government of Ontario 1980), and with the technical guidelines for archaeological assessments formulated by the Ministry of Tourism and Culture (MTC 2011). Archaeological Assessments Ltd. accepts responsibility for the long term curation of any artifacts recovered or documents produced as a result of the assessment.

1.2 ARCHAEOLOGICAL CONTEXT

Project Description

The 50 hectare subject property is located immediately northwest of the intersection of Lockhart Road and Yonge Street (Figure 1 and 2). The Stage 2 assessment of the property was conducted under the supervision of Chris Brown (License P361), Archaeological Assessments Ltd., on November 5-7, 2013.

The subject property is dominated by two large agricultural fields. A mature woodlot is located in the northeastern section of the property. Some small scrubland areas are located in the northern section of the property along the northern edge of an agricultural field. A small gravel laneway and grass covered area provides access to Mapleview Drive East at the northern end of the property. The topography of the property is relatively level with a gradual slope down towards the south. There are no obvious sources of water located on or adjacent to the subject property.

The subject property is located within the Simcoe Uplands physiographic region. The Simcoe Uplands consist of a series of broad rolling till plains which were islands in glacial Lake Algonquin (Chapman and Putman 1984:182). The upland till plains stand 60 m above the adjoining lowland lake plains. The upland areas are encircled by a series of bluffs, terraces and minor beaches which form steps down the hillsides.

There are currently no registered archaeological sites located either on or immediately adjacent to the subject property (Rob Von Bitter, MTCS: personal communication). The background research determined that there are nine registered archaeological sites located within a one kilometre radius of the subject property (Table 1). The closest registered site is the Heritage Glen site (BcGv-20), which is located 450 metres northeast of the subject property.

The lands located immediately west of the subject property were subjected to a Stage 1-3 assessment by our firm in 2011 and 2012 (AAL 2012). The Stage 2 component of the survey resulted in the discovery of 3 archaeological sites on a 116 hectare parcel of land. The three sites were the Wice Site (BcGv-37), Collins Site (BcGv-38) and the Lockhart site (BcGv-39). The Wice Site (BcGv-37) is a mid 19th century Euro-Canadian homestead. The Collins Site (BcGv-38) is a late 19th century Euro-Canadian homestead. The Lockhart site (BcGv-39) is a isolated Middle Archaic findspot that is not significant and did not require any further investigation. A Stage 3 assessment of the two Euro-Canadian sites was carried out in April and May, 2012 (AAL 2012). The results of the Stage 3 assessment indicated that the Collins Site (BcGv-38) was not a significant archaeological resource because of its late 19th century date of occupation and was no longer a planning concern. However, the Wice Site (BcGv-37) was a significant archaeological resource and it was recommend that it would require Stage 4 mitigation prior to any development activities on this property (AAL 2012). A cultural chronology for Southern Ontario which applies to the subject property is listed in Table 2.

Table 1. Registered Archaeological Sites Located Within 1km of the Subject Property

Borden Number	Site Name	Cultural/Temporal Affiliation	Site Type
BcGv-20	Heritage Glen	Late Iroquoian	village
BcGv-21	Little Heritage Glen	Middle to Late Iroquoian	campsite
BcGv-22	Warnica Brick House	Late 19 th Early 20 th Century Euro-Canadian	homestead
BcGv-23	George F. Warnica Jr.	Mid 19 th Century Euro-Canadian	homestead
BcGv-25	Bradford Road	Mid 19 th Century Euro-Canadian	homestead
BcGv-26	Quantz	Late 19 th Early 20 th Century Euro-Canadian	homestead
BcGv-37	Wice	Mid 19 th Century Euro-Canadian	homestead
BcGv-38	Collins	Late 19 th Century Euro-Canadian	homestead
BcGv-39	Lockhart	Middle Archaic	findspot

Table 2. Cultural Chronology For Southern Ontario

PERIOD	GROUP	TIME RANGE	COMMENT
PALEO-INDIAN			
Early	Fluted	9000 - 8500 B.C.	Big Game Hunters and Small Nomadic Groups
Late	Non-fluted	8500 - 7500 B.C.	
ARCHAIC			
Early	Nettling	8000 - 7000 B.C.	Nomadic Hunters and Gatherers
	Bifurcate Based	7000 - 6000 B.C.	
Middle	Stemmed, Otter Creek and Brewerton	6000 - 2500 B.C.	Transition to Territorial Settlement
Late	Narrow Point	2500 - 1800 B.C.	More Diverse Resource Base
	Broad Point	1800 - 1500 B.C.	
	Small Point	1500 - 800 B.C.	
WOODLAND			
Early	Meadowood and Middlesex	1000 - 300 B.C.	Introduction of Pottery
Middle	Point Peninsula	300 B.C.- 700 A.D.	Long Distance Trade
Transitional	Princess Point	500 - 900 A.D.	Early Agriculture
	Early Iroquoian	900 - 1275 A.D.	Transition to Village Life
	Middle Iroquoian	1275 - 1400 A.D.	Large Villages and Dependence on Agriculture

Late	Late Iroquoian	1400 - 1650 A.D.	Tribal Development, Warfare, European Contact
HISTORIC			
Early	Odawa, Ojibwa, Mississauga	1700 - 1875 A.D.	Social Displacement
Late	Euro-Canadian	1800 A.D.- present	European Settlement

1.3 HISTORICAL CONTEXT

Information on potential Euro-Canadian archaeological planning concerns was derived from an examination of the 1881 Illustrated Historical Atlas of Simcoe County (Beldon 1881). The historic mapping indicates that the subject property was originally located on Part of Lot 15, Concession 11, in Innisfil Township (Figure 3).

Unfortunately, the historical atlas map for this region contains very little information regarding property ownership at that time or the approximate location of potential late 19th century homesteads or other buildings. It should also be noted that the historical atlas maps were produced by subscription and only the homes of wealthier land owners tended to be illustrated along with the principal roads and villages. Any early or mid-19th century homesteads that were abandoned before the 1881 map was produced, would also not have been illustrated.

The Township of Innisfil was surveyed for settlement in 1820 (Belden 1881:7). The earliest settlers arrived in the early 1820's and settled close to Big Bay Point and the southern shore of Kempenfelt Bay. By 1827 a rough road had been established along Yonge Street from Holland Landing to Kempenfelt Bay. Yonge Street was an important early colonization road for this area and runs along the eastern edge of the subject property. Settlers spread out to other sections of the township in the 1830's and 1840's. Settlement increased significantly in the 1850s after the Northern Railway was opened up to Allandale.

The George Warnica site (BcGv-40) is located in the South Half of Lot 15, Concession 11, Innisfil Township, in Simcoe County. The Abstract Index Book for Innisfil and Medonte Townships (200) reveals that the entire 200 acre Lot 15 was initially patented to Stephen Heward in 1821. At some point prior to 1851, the south half was acquired by William Proudfoot and his wife, of Toronto. In 1861, the south half (100 acres) was purchased by George Frederick Warnica of Innisfil. George F. Warnica owned the land until 1875, when it was sold to John L. Warnica. In the early 1880s, the southern half of Lot 15 was partitioned, with the southeast quarter (50 acres) purchased by George R. Warnica in 1882. He obtained the southwest quarter two years later. George R. Warnica owned the entire south half of Lot 15 until 1901, when it was sold to John W. Hughes. It was purchased by Harvey E. Hughes in 1912 (Abstract Index Book, Innisfil Township, Vol. 2: 83, 152).

Table 3. Land Ownership History of the South Half of Lot 15, Concession 11, Innisfil Township, Simcoe County (Abstract Index Book, Innisfil & Medonte Townships (before 1866): 200; Abstract Index Book, Innisfil Township, Vol. 2: 83, 152)

Date	Type	Grantor	Grantee	Notes
1821	Patent	Crown	Stephen Heward	200 acres
1861	Bargain & Sale	William Proudfoot of Toronto et ux	George Frederick Warnica	South ½, 100 acres
1875	Bargain & Sale	George Frederick Warnica of Innisfil	John L. Warnica of Innisfil	South ½ of Lot inter alia
1875	Release of Dower	Phoebe Warnica, wife of George F. Warnica	John L. Warnica	South ½ of Lot, 100 acres
1882	Bargain & Sale	John L. Warnica et ux	George R. Warnica	Southeast ¼, 50 acres
1884	Bargain & Sale	John L. Warnica et ux	George R. Warnica	Southwest ¼, 50 acres
1901	Bargain & Sale	George R. Warnica et ux	John W. Hughes	South ½, 100 acres
1912	Bargain & Sale	John W. Hughes	Harvey E. Hughes	South ½, 100 acres

Unfortunately, the 1851 census returns for Innisfil Township have not survived. In 1861, a single occupant is listed for Lot 15, Concession 11. George Warnica occupied 100 acres of which 30 were cultivated, with 30 under crop and the remaining 70 acres which were wooded or wild (1861 Census of Canada West, Innisfil Township: 84). George Warnica is listed as a 52-year-old American farmer, who lived with his Canadian wife Phoebe (“Pheby”) and their three Canadian-born children in a two-storey brick house (1861 Census of Canada West, Innisfil Township: 41).

It is likely that the George Warnica site (BcGv-40) represents the location a the two-storey brick house that was originally occupied by George Warnica in the 1860’s, and then other members of the Warnica family until the end of the 19th century.

2.0 STAGE 2 ASSESSMENT

2.1 FIELD METHODS

The Stage 2 assessment of the subject property was conducted under the supervision of Christopher Brown (P361), Archaeological Assessments Ltd., on November 5-7, 2013 under a mixture of sun and cloud and cool temperatures.

All of the agricultural fields were ploughed for the assessment and were pedestrian surveyed at 5 metre intervals (Figure 4). The ploughed lands represents approximately 95% of the subject property. All of the ploughed fields were well weathered with good visibility at the time of the survey.

The woodlot, scrubland areas and small grass covered area in the northern section of the property were all shovel test pitted at 5 metre intervals (Figure 4). Each test pit measured more than 30 cm (one foot) in diameter and was excavated 5cm into the subsoil, where possible. The soil from each

test pit was screened through 6mm mesh in order to look for artifacts. Each test pit was then backfilled. Test pits were placed to within one metre of all existing structures and areas covered in asphalt or gravel. The areas which were shovel test pitted cover approximately 5% of the property.

2.2 RECORD OF FINDS

One archaeological site was found as a result of the assessment and was registered as the George Warnica site (BcGv-40). This site is a late 19th century Euro-Canadian homestead. This site consists of a large surface scatter of historic artifacts spread over an area measuring 70 metres north-south by 45 metres east-west. The site is located in the southeastern section of a large agricultural field close to the southern edge of the subject property. It is situated on the top and northern slope of a modest ridge which overlooks slightly lower lands to the north and northwest.

After the site was located it was subjected to an intensive surface examination at one metre intervals of a large area with a minimum radius of 50 metres surrounding the surface scatter. A large sample of the visible surface artifacts were then collected for washing and cataloguing. Approximately half of the surface artifacts were left in situ. Red survey flags were left in place to mark the location of each artifact in advance of a future Stage 3 assessment of the site. The location and dimensions of the surface scatter were recorded with a hand held GPS unit (see supporting documents).

A total of 46 historic artifacts were collected from the surface of the site and include 28 ceramics, 9 pieces of bottle glass, 3 pieces of window glass, one plain pipe stem, one unidentified iron nail, one cut iron nail, one piece of scrap metal, one brass sleigh bell and one coin (Table 4 and 5). The coin recovered from the site is a Canadian once cent piece with a date of 1859.

The ceramic assemblage included 10 pieces of ironstone, 6 relief moulded ironstone, 3 transfer printed wares, 3 semi-porcelain, 2 edged wares, one sponged ware, one stone ware and two fragmented unidentified ceramics.

The transfer printed ware included one green floral pattern on ironstone, one brown willow on whiteware and one purple geometric pattern on whiteware. The relief moulded ironstone included two wheat and one hyacinth patterns. One piece of edged ware is scalloped blue and the other is straight blue edged. The single piece of sponged ware was blue in colour. The stoneware has a speckled brown and yellow Bristol type glaze. The semi-porcelain recovered from the sites was plain.

The ceramic assemblage from the site is typical of a homestead occupied sometime between the 1860's and 1890's. Blue transfer printed ceramics were available in Ontario during most of the nineteenth century. Ironstone became available in Ontario during the 1840's and tends to be the dominant ceramics on sites by the 1870's. The absence of any plain whiteware ceramics at this site suggests a post 1870's occupation date. Sponged ware was introduced into Ontario in the 1840's (Kenyon 1991). Scalloped edged ware was common before 1850 and straight edged ware becomes the most popular by the 1850's. Semi-porcelain did not become available in Ontario until the 1890's (Kenyon 1991). Bristol ware was not imported into Ontario until the 1880's (Kenyon 1991).

Table 4. George Warnica Site (BcGv-40) General Artifact Counts and Provenience

UNIT	STO	SEM	IRO	IRM	ED	SP	TR	CUN	PST	GWI	GBO	NUN	NCU	MM	PER	OTH	TOTAL
Surface	1	3	10	6	2	1	3	2	1	3	9	1	1	1	1	1	46

STO- stoneware, SEM- semi-porcelain, IRO- ironstone, IRM- relief moulded ironstone; ED- edged ware, SP- sponged ware, TR- transfer printed, , CUN- unidentified ceramics, PST- pipe stem, GWI- window glass, GBO- glass bottles, NCU- cut nails, MM- miscellaneous metal, PER- personal, OTH- Other

Table 5. George Warnica Site (BcGv-40) Stage 2 Artifact Catalogue

Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
1	Surface	HC	Ceramic	Stoneware	Bristol ware glaze	holloware	1880-1900
2-3	Surface	HC	Ceramic	Semi-Porcelain	base stemware fragments	stemware	1890-1910
4	Surface	HC	Ceramic	Semi-Porcelain	plain fragment	unknown	1890-1910
5-6	Surface	HC	Ceramic	Ironstone	plain rims	plates	1845-1890
7-8	Surface	HC	Ceramic	Ironstone	plain rims	flatware	1845-1890
9-14	Surface	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
15-17	Surface	HC	Ceramic	Relief Moulded Ironstone	wheat pattern rims	plates	1845-1890
18	Surface	HC	Ceramic	Relief Moulded Ironstone	hyacinth pattern rim	plate	1845-1890
19-20	Surface	HC	Ceramic	Relief Moulded Ironstone	moulded fragments	unknown	1845-1890
21	Surface	HC	Ceramic	Edge Ware	blue straight rim	flatware	1850-1875
22	Surface	HC	Ceramic	Edge Ware	blue scalloped rim	bowl	1825-1850
23	Surface	HC	Ceramic	Sponged	blue sponged	unknown	1840-1875
24	Surface	HC	Ceramic	Transfer Printed	printed brown willow motif on whiteware	unknown	1840-1875
25	Surface	HC	Ceramic	Transfer Printed	printed purple geometric motif on whiteware	unknown	1840-1875
26	Surface	HC	Ceramic	Transfer Printed	printed green floral motif on ironstone	plate	1845-1890
27-28	Surface	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
29	Surface	PER	Ceramic	Pipe Stem	plain fragment	pipe stem	1825-1890
30-32	Surface	AEH	Glass	Window Glass	small clear fragments	-	-
33-34	Surface	HG	Glass	Bottle Glass	clear cut glass	vase/jar	-
35	Surface	HG	Glass	Bottle Glass	aqua cut glass	jar	-
36-37	Surface	HG	Glass	Bottle Glass	clear fragments	container	-
38	Surface	HG	Glass	Bottle Glass	aqua fragment	container	-
39-41	Surface	HG	Glass	Bottle Glass	green fragments	container	-
42	Surface	AEH	Metal	Unidentified Nail	nail fragment	nail	-
43	Surface	AEH	Metal	Cut Nail	cut nail	cut	1830-1890
44	Surface	AEH	Metal	Misc. Metal	scrap	scrap	-
45	Surface	PER	Metal	Coin	Canadian 1859 one cent	coin	1859
46	Surface	OTH	Brass	Sleigh Bell	brass sleigh bell	sleigh bell	-

*(Adams 1993) & (Kenyon 1980, 1991)

HC- Household Ceramic; AEH-Architectural Elements and Hardware; HG-Household Glass; PER-Personal; OTH-Other

The documentary record for the Stage 2 assessment includes 9 digital photographs, two field maps, 3 pages of field notes and 46 artifacts in one banker's box.

2.3 ANALYSIS AND CONCLUSIONS

The results of the Stage 1-2 archaeological assessment indicate that the site represents the location of a homestead that was likely occupied sometime between the 1860's and the 1890's. As per the MTC's Standards and Guidelines for Consultant Archaeologists (2011: 35), 19th century domestic archaeological sites where most of the time span of occupation dates to before 1870 are considered

to have cultural heritage value and will require a Stage 3 assessment and Stage 4 mitigation. Most historic sites that date to after 1870 are not considered to have cultural heritage value and do not require further assessment. In order to more precisely determine the date of occupation of the George Warnica site (BcGv-40), this site will require a Stage 3 assessment. For large sites such as this one this would involve conducting a controlled surface collection and test excavations (MTC 2011: 31). The current MTCS guidelines do not provide detailed recommendations regarding the appropriate strategy for the Stage 3 assessment of large late 19th century domestic sites. In this case it was determined in consultation with Malcolm Horne of MTCS (see page 31) that for this site a series of one metre square test units should be excavated at 10 metre intervals across the site. Additional units, amounting to 40% of the initial grid total, should also be excavated in areas of interest within the site (MTC 2011: 28, 31; Malcolm Horne MTCS : personal communication). Given the large size of the site and the artifact assemblage, and the relatively late date of occupation, this strategy was considered to be appropriate in this case.

3.0 STAGE 3 ASSESSMENT OF THE GEORGE WARNICA SITE (BcGv-40)

3.1 FIELD METHODS

A Stage 3 assessment of the site was conducted under the field supervision of Chris Brown (License P361) between May 12 and May 26, 2014 under mild weather conditions with a mixture of sun and cloud. A temporary datum was established in the central section of the site (300N 100E) and was tied into a fixed property datum. A five metre grid system was then established in the area where the site was located. A Stage 3 controlled surface collection of the site was conducted on May 12, 2014 under a mixture of sun and cloud and mild weather conditions. The Stage 3 controlled surface collection consisted of an intensive surface examination at one metre intervals of a large area with a minimum radius of 50 metres surrounding the surface artifacts, and the recording of all artifact locations with a transit and stadia rod. All of the visible surface artifacts were then collected for washing and cataloguing. The Stage 3 controlled surface collection resulted in the recovery of a total of 535 surface artifacts (Figure 5). The field crew did not record detailed information regarding each individual surface artifact type due to the fact that all of the surface artifacts were considered to be diagnostic of the late 19th century.

A total of 28 one metre square test units were then excavated at 10 metre intervals across the site between May 12 and May 26, 2014 under a mixture of sun and cloud and mild temperatures (Figure 5). Another eleven units (40% or more of the grid unit total) were placed in between the 10 metre interval test units in areas of interest (Units 295N 85E, 295N 90E, 295N 105E, 295N 110N, 300N 95E, 300N 105E, 305N 85E, 305N 90E, 305N 95E, 305N 105E & 305N 110E).

All of the soils from each square were screened through 6mm mesh to facilitate the recovery of artifacts. The units varied in depth from 21-33cm and consisted of a sandy clay loam ploughzone. All of the units were excavated into the first 5cm of the subsoil. A total of 39 one metre square test units were excavated across the site. All of the test units were positive with artifact counts ranging from 1-192 per unit (Figure 5). No potential subsurface cultural features were observed.

No potential midden areas were identified at the site. Nineteenth century domestic sites sometimes contain sheet or slope middens which consist of areas containing high artifact densities, often

dominated by domestic ceramics (MacDonald 1997). No slope or sheet middens were identified at the George Warnica site (BcGv-40) as a result of our Stage 3 assessment. Our firm's experience gained through the excavation of over 50 nineteenth century domestic sites, indicates that midden areas contain very high artifact densities, often exceeding 300 historic artifacts per one metre unit (AAL 2006, 2012). The highest one metre unit artifact count at the George Warnica site (BcGv-40) was 192. Nineteenth century domestic site middens also often contain a partially undisturbed rich organic layer, situated on a slope or the periphery of the site area (AAL 2006, 2012). No deposits of this type were found at the George Warnica site (BcGv-40). The density and distribution of artifact types at the George Warnica site (BcGv-40) is typical of the general low density plough zone artifact component which is common to these types of sites (Poulton and Dodd 2007).

3.2 RECORD OF FINDS

The Stage 3 artifact assemblage recovered from the site is summarized in Table 6. More details regarding artifact provenience and characteristics are provide in Tables 7 and 8. As indicated in Table 6, a total of 2,872 artifacts were recovered from the site during the Stage 3 investigations. The assemblage consists of household ceramics (n= 1,816: 63.2%), followed by architectural elements and miscellaneous hardware (n=822: 28.6%), household glass (n=212: 7.4%), and personal material (n=22: 0.8%). The artifact categories, typologies and diagnostic data are derived from Adams (1993) and (Kenyon 1991).

The most common ceramic type within the ceramic assemblage was ironstone (n=885: 48.7%), followed by red earthenware (n=323: 17.8%), small fragmented unidentified ceramics (n=240: 13.2%), stoneware (n=212: 11.7%), semi-porcelain (n=48: 2.6%), white ware (n=46: 2.5%), transfer printed ware (n=23: 1.3%), relief moulded ironstone (n=19: 1.0%), and small amounts of edged ware, stamped ware, banded ware, hand painted ware and sponged ware.

The stoneware included 147 that had the typical smooth glaze of Bristol ware, and 65 that were salt glazed. Most of the transfer printed wares were blue in color (n=16), along with five brown and two green. The relief moulded ironstone included 8 wheat, 7 geometric, 3 hyacinth and one corn ear patterns. The edged ware included 4 straight blue and one green scalloped. The four pieces of banded ware all had blue bands. The painted wares were all late palette polychrome floral patterns. The 4 pieces of stamped ware all consisted of red floral motifs.

Overall, the ceramic assemblage from the George Warnica site is typical of a homestead occupied from the 1860's to the end of the 19th century. Ironstone became available in Ontario during the 1840's and tends to be the dominant ceramics on sites by the 1870's (Kenyon 1991). The dominance of ironstone over whiteware in this assemblage suggests a post 1870's occupation date. Semi-porcelain did not become available in Ontario until the 1890's (Kenyon 1991). Bristol ware which is very common in this assemblage was not imported into Ontario until the 1880's (Kenyon 1991). Salt glazed stoneware was introduced into Ontario in the 1840's along with stamped ware and sponged ware (Kenyon 1991). Blue transfer printed ceramics were available in Ontario during most of the nineteenth century (Kenyon 1991). The hand-painted ceramics all fit within the Late Palette period which would date to after 1830. Straight edged ceramics are more common from sites dating to after 1850 (Kenyon 1980) but were available in the 1840's. Scalloped edged ware was common before 1850.

Table 6. George Warnica site (BcGv-40) Stage 3 Artifact Assemblage

COMPONENT/CATEGORY	Site Total	%
Household Ceramics		
Ironstone	885	
Red Earthenware	323	
Stoneware	212	
Semi-Porcelain	48	
White Ware	46	
Transfer Printed	23	
Relief Moulded Ironstone	19	
Edged Ware	5	
Stamped Ware	4	
Banded Ware	4	
Hand Painted	4	
Sponged	3	
Unidentified	240	
Subtotal	1816	63.2
HOUSEHOLD GLASS		
Bottle Glass	212	
Subtotal	212	7.4
ARCHITECTURAL ELEMENTS & HARDWARE		
Window Glass	298	
Cut Nails	241	
Scrap Metal	106	
Unidentified Nails	97	
Brick Fragments	43	
Wire Nails	37	
Subtotal	822	28.6
PERSONAL MATERIAL		
Pipe Stems	9	
Pipe Bowls	1	
Slate Pencils and Boards	8	
Buttons	4	
Subtotal	22	0.8
TOTALS	2872	

Architectural Elements and Miscellaneous Hardware

Architectural elements and miscellaneous hardware recovered from the site include window glass (n=298), cut iron nails (n=241), scrap metal (n=106), unidentified nails (n=97), brick fragments (n=43) and wire nails (n=37).

Household Glass

The 44 pieces of bottle glass include aqua (n=111), clear (n=72), green (n=15), brown (n=9) and blue (n=5).

Personal Material

The personal items recovered from the site include 9 pipe stem fragments, 7 slate board fragments, 4 white glass buttons, one slate pencil and one plain pipe bowl.

Table 7. George Warnica Site (BcGv-40) Stage 3 Artifact Counts and Provenience

UNIT	BRI	STO	RED	WHI	IRO	IRM	SEM	ED	ST	BAN	PA	SP	TR	CUN	PBL	PST	GWI	GBO	NCU	NUN	NWI	PER	MM	TOTAL
Surface		32	23	38	217	18	19	5	2	2	4		3	46	1	4	36	67	8	2		8		535
280N 80E		2	4		9									3			5	5	4	2	1		3	38
280N 90E	2	5	7		11		1							4			5	2	5	5	1		1	49
280N 100E		4	4		4									5			2	5	4	3	1	1	4	37
280N 110E		3	5		6		1							2			3	1	1	1	1			24
290N 80E		3	4		13		1							4			4	5	3	2			1	40
290N 90E	2	3	1		21									3		1	9	3	6	4	1		1	55
290N 100E		4	4		19								1	4			5	5	4	2	1		2	51
290N 110E	3	4	17		18									5			5	2	4	3			1	62
290N 120E	2				6		1							3			4	4	1					21
295N 85E		5	9		21		1							4			7	1	8	2	3		5	66
295N 90E	2	3	4		31		3					1	5	6			14	4	7	5	2		2	89
295N 105E	3	11	13	1	14		2		1				1	6			7	8	9	4	1		3	84
295N 110E	1	3	11		26		1							8			8	2	7	2	1		3	73
300N 70E		4	8		9									4			3		2	1	2		1	34
300N 80E		3	6		28		2					1	5	3			18	4	9		1			80
300N 90E	6	9	15	4	38	1							2	18		2	28	9	28	9	3	3	17	192
300N 95E	1	3	7	1	32		2							9			8	2	4	2	1		4	76
300N 100E	2	6	1		19								1	6			4	7	3	3			4	56
300N 105E	1	3	4		31		2					1		3			18	4	9	5	1		4	86
300N 110E		21	28		36					1				12			9	9	2	1	1		2	122
300N 120E	1	2	4		13									5			6		2	1	1		2	37
305N 85E	3	8	15	1	16		2						2	8			9	8	11	3	2		1	89
305N 90E	2	8	17		28									8			10	7	10	3			6	99
305N 95E	2	6	10		22		1			1				7		1	12	7	5	2			4	80
305N 105E		3	9		28								1	5			7	3	6	4	2		3	71
305N 110E	1	2	12		22								1	6			7		7	2			2	62
310N 70E	1		2		4									1			1			1				10
310N 80E	3	5	8		14									1			3		6	1			1	42
310N 90E	3	15	8	1	18		4		1				1	8			12	8	21	4	3		1	108
310N 100E			13		29		1							3			5	1	10	2	2		3	69
310N 110E		6	12		14									1			4	9	4				1	51
320N 80E		1	5		15									3		1	4	5	4	1			2	41
320N 90E		4	12		4		2										4	5	4	1	2		3	41
320N 100E	1	14	13		21									13			5	2	6	3	1		12	91
320N 110E		1	2		8		1							3				4	6	1			3	29
330N 80E		2												1				1	8	3			1	16
330N 90E		1	1		7		1							3			2			2	1		1	19
330N 100E	1	2	4		9									4			5		3	2	1		1	32
330N 110E		1	1		4									2				3		3			1	15
TOTAL	43	212	323	46	885	19	48	5	4	4	4	3	23	240	1	9	298	212	241	97	37	12	106	2872

Artifact Catalogue Legend

BRI- Brick

RED – Red Earthenware

ST- Stamped

IRM- Relief Moulded Ironstone

BAN- Banded Ware

TR – Transfer Printed

SEM- Semi-porcelain

PBL- Pipe Bowls

GWI – Window Glass

NUN – Unidentified Nails

NWI- Wire Nails MME- Miscellaneous Metal

STO- Stoneware

IRO- Ironstone

WHI – Plain Whiteware

PA- Hand Painted Ware

SP- Sponged Ware

CUN – Unidentified Ceramics

PST- Pipe Stems

GBO – Bottle Glass

NCU – Cut Nails

PER- Personal Items

Table 8. George Warnica Site (BcGv-40) Stage 3 Artifact Catalogue

Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
47-67	Surface	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
68-78	Surface	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
79-101	Surface	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
102-107	Surface	HC	Ceramic	Ironstone	plain rims	plates	1845-1890
108-109	Surface	HC	Ceramic	Ironstone	plain rims	flatware	1845-1890
110-113	Surface	HC	Ceramic	Ironstone	plain rims	cups	1845-1890
114-118	Surface	HC	Ceramic	Ironstone	plain rims	bowls	1845-1890
119-318	Surface	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
319-323	Surface	HC	Ceramic	Relief Moulded Ironstone	wheat pattern rims	plates	1845-1890
324	Surface	HC	Ceramic	Relief Moulded Ironstone	wheat pattern rims	cup	1845-1890
325	Surface	HC	Ceramic	Relief Moulded Ironstone	wheat pattern rims	bowl	1845-1890
326-327	Surface	HC	Ceramic	Relief Moulded Ironstone	hyacinth pattern rim	plate	1845-1890
328	Surface	HC	Ceramic	Relief Moulded Ironstone	hyacinth pattern rim	bowl	1845-1890
329	Surface	HC	Ceramic	Relief Moulded Ironstone	corn ear rim	plate	1845-1890
330-334	Surface	HC	Ceramic	Relief Moulded Ironstone	geometric rim	plates	1845-1890
335-336	Surface	HC	Ceramic	Relief Moulded Ironstone	geometric rim	bowls	1845-1890
337-338	Surface	HC	Ceramic	Semi-Porcelain	hand painted floral rims	plates	1890-1910
339-355	Surface	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
356-359	Surface	HC	Ceramic	Edge Ware	blue straight rims	flatware	1850-1875
360	Surface	HC	Ceramic	Edge Ware	green scalloped rim	flatware	1825-1850
361-362	Surface	HC	Ceramic	Stamped	stamped red floral motif	unknown	1845-1880
363-364	Surface	HC	Ceramic	Banded	blue slip bands on rims	teaware	1830-1890
365	Surface	HC	Ceramic	Hand Painted	polychrome hand painted floral motifs on rim	cup	1830-1870
366-368	Surface	HC	Ceramic	Hand Painted	polychrome hand painted floral motifs	unknown	1830-1870
369-370	Surface	HC	Ceramic	Transfer Printed	printed blue willow	unknown	1840-1900
371	Surface	HC	Ceramic	Transfer Printed	printed blue floral motif	unknown	1830-1890
372-417	Surface	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
418	Surface	PER	Ceramic	Pipe Stem	Plain bowl fragment	pipe bowl	1830-1890
419	Surface	PER	Ceramic	Pipe Stem	plain	pipe stem	1830-1890
420-455	Surface	AEH	Glass	Window Glass	small clear fragments	-	-
456-488	Surface	HG	Glass	Bottle Glass	aqua fragment	container	-
489-503	Surface	HG	Glass	Bottle Glass	green fragments	container	-
504-514	Surface	HG	Glass	Bottle Glass	clear fragments	container	-
515-519	Surface	HG	Glass	Bottle Glass	blue fragments	container	-
520-522	Surface	HG	Glass	Bottle Glass	brown fragments	container	-
523-530	Surface	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
531-532	Surface	AEH	Metal	Unidentified Nail	nail fragment	nail	-
533-537	Surface	PER	Slate	Slate Board	board fragments	board	1820-1890
538-540	Surface	PER	Glass	Glass Button	moulded white	button	1840-1890
541-542	280N 80E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
543-546	280N 80E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
547-555	280N 80E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
556-558	280N 80E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
559-563	280N 80E	AEH	Glass	Window Glass	small clear fragments	-	-
564-565	280N 80E	HG	Glass	Bottle Glass	clear fragments	container	-
566-568	280N 80E	HG	Glass	Bottle Glass	aqua fragment	container	-
569-572	280N 80E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
573-574	280N 80E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
575	280N 80E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
576-578	280N 80E	AEH	Metal	Miscellaneous Metal	scrap metal	unknown	-

*(Adams 1993) & (Kenyon 1980, 1991)

HC- Household Ceramic; AEH-Architectural Elements and Hardware; HG-Household Glass; PER-Personal; OTH-Other

Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
579-580	280N 90E	AEH	Brick	Brick	brick fragments	brick	-
581-585	280N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
586-596	280N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
597	280N 90E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
598-601	280N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
602-606	280N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
607-608	280N 90E	HG	Glass	Bottle Glass	aqua fragment	container	-
609-613	280N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
614-618	280N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
619	280N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
620	280N 90E	AEH	Metal	Miscellaneous Metal	scrap metal	unknown	-
621-624	280N 100E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
625-628	280N 100E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
629-632	280N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
633-637	280N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
638-639	280N 100E	AEH	Glass	Window Glass	small clear fragments	-	-
640	280N 100E	HG	Glass	Bottle Glass	aqua fragment	container	-
641-643	280N 100E	HG	Glass	Bottle Glass	green fragments	container	-
644-645	280N 100E	HG	Glass	Bottle Glass	clear fragments	container	-
646-649	280N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
650-652	280N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
653	280N 100E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
654	280N 100E	PER	Slate	Slate Pencil	slate pencil	pencil	19 th century
655-658	280N 100E	AEH	Metal	Miscellaneous Metal	scrap metal	unknown	-
659-661	280N 110E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
662-666	280N 110E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
667	280N 110E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
668-669	280N 110E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
670-672	280N 110E	AEH	Glass	Window Glass	small clear fragments	-	-
673	280N 110E	HG	Glass	Bottle Glass	aqua fragment	container	-
674	280N 110E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
675	280N 110E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
676	280N 110E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
678-680	290N 80E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
681-684	290N 80E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
685-697	290N 80E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
698	290N 80E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
699-702	290N 80E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
703-706	290N 80E	AEH	Glass	Window Glass	small clear fragments	-	-
707-711	290N 80E	HG	Glass	Bottle Glass	aqua fragment	container	-
712-714	290N 80E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
715-716	290N 80E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
717	290N 80E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
718-719	290N 90E	AEH	Brick	Brick	brick fragments	brick	-
720-722	290N 90E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
723	290N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
724-744	290N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
745-747	290N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
748	290N 90E	PER	Ceramic	Pipe	pipe stem	pipe	19 th century
749-757	290N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
758	290N 90E	HG	Glass	Bottle Glass	aqua fragment	container	-
759-760	290N 90E	HG	Glass	Bottle Glass	clear fragments	container	-
761-766	290N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
767-770	290N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
771	290N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
772	290N 90E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
773-776	290N 100E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
777-780	290N 100E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
781-799	290N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
800	290N 100E	HC	Ceramic	Transfer Printed	printed blue floral motif	unknown	1830-1890
801-804	290N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
805-806	290N 100E	HG	Glass	Bottle Glass	aqua fragment	container	-

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Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
807-809	290N 100E	HG	Glass	Bottle Glass	clear fragments	container	-
810-813	290N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
814-815	290N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
816	290N 100E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
817-818	290N 100E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
819-820	290N 120E	AEH	Brick	Brick	brick fragments	brick	-
821-826	290N 120E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
827	290N 120E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
828-830	290N 120E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
831-834	290N 120E	AEH	Glass	Window Glass	small clear fragments	-	-
835-838	290N 120E	HG	Glass	Bottle Glass	clear fragments	container	-
839	290N 120E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
840-844	295N 85E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
845-853	295N 85E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
854-875	295N 85E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
876	295N 85E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
877-880	295N 85E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
881-887	295N 85E	AEH	Glass	Window Glass	small clear fragments	-	-
888	295N 85E	HG	Glass	Bottle Glass	clear fragments	container	-
889-896	295N 85E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
897-898	295N 85E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
899-901	295N 85E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
902-906	295N 85E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
907-908	295N 90E	AEH	Brick	Brick	brick fragments	brick	-
909-911	295N 90E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
912-915	295N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
915-946	295N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
947-949	295N 90E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
950	295N 90E	HC	Ceramic	Sponged	blue sponged	unknown	1840-1875
951-952	295N 90E	HC	Ceramic	Transfer Printed	printed blue willow	unknown	1840-1900
953-955	295N 90E	HC	Ceramic	Transfer Printed	printed blue floral motif	unknown	1830-1890
956-961	295N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
962-975	295N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
976-979	295N 90E	HG	Glass	Bottle Glass	clear fragments	container	-
980-986	295N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
987-991	295N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
992-993	295N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
994-995	295N 90E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
996-1023	Surface	HC	Ceramic	Whiteware	plain fragments	unknown	1830-1870
1024-1026	295N 105E	AEH	Brick	Brick	brick fragments	brick	-
1027-1029	295N 105E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
1030-1037	295N 105E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1038-1050	295N 105E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1051	295N 105E	HC	Ceramic	Whiteware	plain fragments	unknown	1830-1870
1052-1065	295N 105E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1066-1067	295N 105E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
1068	295N 105E	HC	Ceramic	Transfer Printed	printed blue floral motif	unknown	1830-1890
1069-1074	295N 105E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1075-1081	295N 105E	AEH	Glass	Window Glass	small clear fragments	-	-
1081-1084	295N 105E	HG	Glass	Bottle Glass	aqua fragment	container	-
1085-1088	295N 105E	HG	Glass	Bottle Glass	clear fragments	container	-
1089-1097	295N 105E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1098-1101	295N 105E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1102	295N 105E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1103-1105	295N 105E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1106	295N 110E	AEH	Brick	Brick	brick fragments	brick	-
1107-1109	295N 110E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1110-1120	295N 110E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1121-1146	295N 110E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1148	295N 110E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
1149-1157	295N 110E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1158-1165	295N 110E	AEH	Glass	Window Glass	small clear fragments	-	-
1166-1167	295N 110E	HG	Glass	Bottle Glass	clear fragments	container	-
1168-1174	295N 110E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1175-1176	295N 110E	AEH	Metal	Unidentified Nail	nail fragment	nail	-

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HC- Household Ceramic; AEH-Architectural Elements and Hardware; HG-Household Glass; PER-Personal; OTH-Other

Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
1177	295N 110E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1178-1181	295N 110E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1182-1185	300N 70E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1186-1193	300N 70E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1194-1202	300N 70E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1203-1206	300N 70E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1207-1209	300N 70E	AEH	Glass	Window Glass	small clear fragments	-	-
1210-1211	300N 70E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1212	300N 70E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1213-1214	300N 70E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1215	300N 70E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1216-1218	300N 80E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1219-1224	300N 80E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1225-1252	300N 80E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1253-1254	300N 80E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
1255-1259	300N 80E	HC	Ceramic	Transfer Printed	printed brown floral motif on whiteware	plates	1840-1875
1260-1262	300N 80E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1262-1280	300N 80E	AEH	Glass	Window Glass	small clear fragments	-	-
1281-1282	300N 80E	HG	Glass	Bottle Glass	clear fragments	container	-
1283-1284	300N 80E	HG	Glass	Bottle Glass	aqua fragments	container	-
1285-1293	300N 80E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1293	300N 80E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1294-1299	300N 90E	AEH	Brick	Brick	brick fragments	brick	-
1300-1302	300N 90E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
1303-1309	300N 90E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1310-1324	300N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1325-1328	300N 90E	HC	Ceramic	Whiteware	plain fragments	unknown	1830-1870
1329-1367	300N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1368	300N 90E	HC	Ceramic	Relief Moulded Ironstone	wheat pattern rims	plates	1845-1890
1369-1370	300N 90E	HC	Ceramic	Transfer Printed	Printed blue geometric motif on whiteware	unknown	1840-1875
1371-1388	300N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1389-1390	300N 90E	PER	Ceramic	Pipe	pipe stem	pipe	19 th century
1391-1418	300N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
1419-1424	300N 90E	HG	Glass	Bottle Glass	clear fragments	container	-
1425-1426	300N 90E	HG	Glass	Bottle Glass	green fragments	container	-
1427	300N 90E	HG	Glass	Bottle Glass	aqua fragments	container	-
1428-1455	300N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1456-1464	300N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1465-1467	300N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1468-1469	300N 90E	PER	Slate	Slate Pencil	slate pencil	pencil	19 th century
1470	300N 90E	PER	Glass	Glass Button	moulded white	button	1840-1890
1471	300N 90E	AEH	Metal	Misc. Metal	iron buckle	buckle	-
1472-1487	300N 90E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1488	300N 95E	AEH	Brick	Brick	brick fragments	brick	-
1489-1491	300N 95E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1492-1498	300N 95E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1499	300N 95E	HC	Ceramic	Whiteware	plain fragments	unknown	1830-1870
1500-1531	300N 95E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1532-1533	300N 95E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
1534-1542	300N 95E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1543-1550	300N 95E	AEH	Glass	Window Glass	small clear fragments	-	-
1551-1552	300N 95E	HG	Glass	Bottle Glass	aqua fragments	container	-
1553-1556	300N 95E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1557-1558	300N 95E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1559	300N 95E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1560-1563	300N 95E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1564-1565	300N 100E	AEH	Brick	Brick	brick fragments	brick	-
1566-1567	300N 100E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1568-1579	300N 100E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
1580	300N 100E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1581-1599	300N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890

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Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
1600	300N 100E	HC	Ceramic	Transfer Printed	printed green floral motif	unknown	1840-1870
1601-1606	300N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1607-1610	300N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1611-1613	300N 100E	HG	Glass	Bottle Glass	clear fragments	container	-
1614-1615	300N 100E	HG	Glass	Bottle Glass	brown fragments	container	-
1617-1618	300N 100E	HG	Glass	Bottle Glass	aqua fragments	container	-
1619-1621	300N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1623-1625	300N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1626-1629	300N 100E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1630	300N 105E	AEH	Brick	Brick	brick fragments	brick	-
1631-1633	300N 105E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1634-1637	300N 105E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1638-1668	300N 105E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1669-1670	300N 105E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
1671	300N 105E	HC	Ceramic	Sponged	blue sponged	unknown	1840-1875
1672-1674	300N 105E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1675-1692	300N 105E	AEH	Glass	Window Glass	small clear fragments	-	-
1693-1696	300N 105E	HG	Glass	Bottle Glass	aqua fragments	container	-
1697-1705	300N 105E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1706-1710	300N 105E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1711	300N 105E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1712-1715	300N 105E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1716-1726	300N 110E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
1727-1736	300N 110E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1737-1772	300N 110E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1773	300N 110E	HC	Ceramic	Banded	blue slip bands	unknown	1830-1890
1774-1785	300N 110E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1786-1794	300N 110E	AEH	Glass	Window Glass	small clear fragments	-	-
1795-1801	300N 110E	HG	Glass	Bottle Glass	clear fragments	container	-
1802-1803	300N 110E	HG	Glass	Bottle Glass	green fragments	container	-
1804-1805	300N 110E	HG	Glass	Bottle Glass	brown fragments	container	-
1806-1807	300N 110E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1808	300N 110E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1809	300N 110E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1810-1811	300N 110E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1812	300N 120E	AEH	Brick	Brick	brick fragments	brick	-
1813-1814	300N 120E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1815-1818	300N 120E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1819-1831	300N 120E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1832-1836	300N 120E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1837-1842	300N 120E	AEH	Glass	Window Glass	small clear fragments	-	-
1843-1844	300N 120E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1845	300N 120E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1846	300N 120E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1847-1848	300N 120E	AEH	Metal	Misc. Metal	scrap metal	unknown	-
1849-1851	305N 85E	AEH	Brick	Brick	brick fragments	brick	-
1852-1859	305N 85E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
1860-1874	305N 85E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1875	305N 85E	HC	Ceramic	Whiteware	plain fragments	unknown	1830-1870
1876-1891	305N 85E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1892-1893	305N 85E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
1894-1895	305N 85E	HC	Ceramic	Transfer Printed	printed blue willow	unknown	1840-1900
1896-1903	305N 85E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
1904-1912	305N 85E	AEH	Glass	Window Glass	small clear fragments	-	-
1913-1916	305N 85E	HG	Glass	Bottle Glass	clear fragments	container	-
1917-1920	305N 85E	HG	Glass	Bottle Glass	aqua fragments	container	-
1921-1931	305N 85E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
1932-1934	305N 85E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
1935-1936	305N 85E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
1937	305N 85E	Metal	Misc. Metal	scrap metal	unknown	-	-
1938-1939	305N 90E	AEH	Brick	Brick	brick fragments	brick	-
1940-1942	305N 90E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
1943-1947	305N 90E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900

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Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
1948-1964	305N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
1965-1992	305N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
1993-2000	305N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2001-2010	305N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
2011-2012	305N 90E	HG	Glass	Bottle Glass	clear fragments	container	-
2013-2017	305N 90E	HG	Glass	Bottle Glass	aqua fragments	container	-
2018-2027	305N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2028-2030	305N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2031-2036	305N 90E	Metal	Misc. Metal	scrap metal	unknown	-	-
2037-2038	305N 95E	AEH	Brick	Brick	brick fragments	brick	-
2039-2040	305N 95E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
2041-2044	305N 95E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2045-2054	305N 95E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2055-2076	305N 95E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2077	305N 95E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
2078	305N 95E	HC	Ceramic	Banded	blue slip bands	unknown	1830-1890
2079-2085	305N 95E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2086	305N 95E	PER	Ceramic	Pipe	pipe stem	pipe	19 th century
2087-2098	305N 95E	AEH	Glass	Window Glass	small clear fragments	-	-
2099-2101	305N 95E	HG	Glass	Bottle Glass	clear fragments	container	-
2102-2105	305N 95E	HG	Glass	Bottle Glass	aqua fragments	container	-
2106-2111	305N 95E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2112-2113	305N 95E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2114-2117	305N 95E	Metal	Misc. Metal	scrap metal	unknown	-	-
2118-2120	305N 105E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2121-2129	305N 105E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2130-2157	305N 105E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2158	305N 105E	HC	Ceramic	Transfer Printed	printed blue willow	unknown	1840-1900
2159-2163	305N 105E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2164-2170	305N 105E	AEH	Glass	Window Glass	small clear fragments	-	-
2171-2173	305N 105E	HG	Glass	Bottle Glass	clear fragments	container	-
2174-2179	305N 105E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2180-2183	305N 105E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2184-2185	305N 105E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
2186-2188	305N 105E	Metal	Misc. Metal	scrap metal	unknown	-	-
2189	305N 110E	AEH	Brick	Brick	brick fragments	brick	-
2190-2192	305N 110E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2193-2204	305N 110E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2205-2226	305N 110E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2227	305N 110E	HC	Ceramic	Transfer Printed	printed blue willow	unknown	1840-1900
2227-2233	305N 110E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2234-2240	305N 110E	AEH	Glass	Window Glass	small clear fragments	-	-
2241-2247	305N 110E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2248-2249	305N 110E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2250-2352	305N 110E	Metal	Misc. Metal	scrap metal	unknown	-	-
2353	310N 70E	AEH	Brick	Brick	brick fragments	brick	-
2354-2255	310N 70E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2256-2359	310N 70E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2360	310N 70E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2361	310N 70E	AEH	Glass	Window Glass	small clear fragments	-	-
2362	310N 70E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2363-2365	310N 80E	AEH	Brick	Brick	brick fragments	brick	-
2366-2370	310N 80E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2371-2378	310N 80E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2379-2392	310N 80E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2393	310N 80E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2394-2396	310N 80E	AEH	Glass	Window Glass	small clear fragments	-	-
2397-2402	310N 80E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2403	310N 80E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2404	310N 80E	Metal	Misc. Metal	scrap metal	unknown	-	-
2405-2407	310N 90E	AEH	Brick	Brick	brick fragments	brick	-
2408-2412	310N 90E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880

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Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
2413-2422	310N 90E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2422-2430	310N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2431	310N 90E	HC	Ceramic	Whiteware	plain fragments	unknown	1830-1870
2432-2449	310N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2450-2453	310N 90E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
2454	310N 90E	HC	Ceramic	Stamped	stamped red floral motif	unknown	1845-1880
2455	310N 90E	HC	Ceramic	Transfer Printed	printed green willow motif on whiteware	unknown	1840-1875
2456-2463	310N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2464-2475	310N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
2476-2480	310N 90E	HG	Glass	Bottle Glass	clear fragments	container	-
2481-2484	310N 90E	HG	Glass	Bottle Glass	aqua fragments	container	-
2485-2505	310N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2506-2509	310N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2510-2512	310N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
2513	310N 90E	Metal	Misc. Metal	scrap metal	unknown	-	-
2514-2526	310N 100E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2526-2555	310N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2556	310N 100E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
2556-2558	310N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2559-2563	310N 100E	AEH	Glass	Window Glass	small clear fragments	-	-
2564	310N 100E	HG	Glass	Bottle Glass	aqua fragments	container	-
2565-2574	310N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2575-2576	310N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2577-2578	310N 100E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
2579-2581	310N 100E	Metal	Misc. Metal	scrap metal	unknown	-	-
2582-2583	310N 110E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
2584-2587	310N 110E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2588-2599	310N 110E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2600-2613	310N 110E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2614	310N 110E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2615-2618	310N 110E	AEH	Glass	Window Glass	small clear fragments	-	-
2619-2623	310N 110E	HG	Glass	Bottle Glass	aqua fragments	container	-
2624-2626	310N 110E	HG	Glass	Bottle Glass	clear fragments	container	-
2627-2628	310N 110E	HG	Glass	Bottle Glass	green fragments	container	-
2629-2632	310N 110E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2633	310N 110E	Metal	Misc. Metal	scrap metal	unknown	-	-
2634	320N 80E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2635-2639	320N 80E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2640-2654	320N 80E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2655-2657	320N 80E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2658	320N 80E	PER	Ceramic	Pipe	pipe stem	pipe	19 th century
2659-2662	320N 80E	AEH	Glass	Window Glass	small clear fragments	-	-
2663-2665	320N 80E	HG	Glass	Bottle Glass	aqua fragments	container	-
2666-2667	320N 80E	HG	Glass	Bottle Glass	clear fragments	container	-
2667-2670	320N 80E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2671	320N 80E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2672-2673	320N 80E	Metal	Misc. Metal	scrap metal	unknown	-	Metal
2674-2677	320N 90E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2678-2689	320N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2690-2693	320N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
6594-2697	320N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
2698-2700	320N 90E	HG	Glass	Bottle Glass	aqua fragments	container	-
2701-2702	320N 90E	HG	Glass	Bottle Glass	clear fragments	container	-
2703-2706	320N 90E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2707	320N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2708-2709	320N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
2710-2712	320N 90E	Metal	Misc. Metal	scrap metal	unknown	-	-
2713	320N 100E	AEH	Brick	Brick	brick fragments	brick	-
2714-2718	320N 100E	HC	Ceramic	Stoneware	salt glazed	holloware	1850-1880
2719-2729	320N 100E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2730-2753	320N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2754-2768	320N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2769-2775	320N 100E	AEH	Glass	Window Glass	small clear fragments	-	-

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Cat #	Unit	Class	Material	Type	Comment	Form	*Common Date Ranges
2776-2778	320N 100E	HG	Glass	Bottle Glass	aqua fragments	container	-
2779-2785	320N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2786	320N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2787-2802	320N 100E	Metal	Misc. Metal	scrap metal	unknown	-	-
2803	320N 100E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2804-2806	320N 100E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2807-2815	320N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2816	320N 100E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
2817-2819	320N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2820-2824	320N 100E	HG	Glass	Bottle Glass	aqua fragments	container	-
2825-2831	320N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2832	320N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2833-2835	320N 100E	Metal	Misc. Metal	scrap metal	unknown	-	-
2836-2837	330N 80E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2838	330N 80E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2839	330N 80E	HG	Glass	Bottle Glass	aqua fragments	container	-
2840-2848	330N 80E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2849-2851	330N 80E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2852	330N 80E	Metal	Misc. Metal	scrap metal	unknown	-	-
2853	330N 90E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2854	330N 90E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2855-2861	330N 90E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2862	330N 90E	HC	Ceramic	Semi-Porcelain	plain fragments	unknown	1890-1910
2863-2865	330N 90E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2866-2867	330N 90E	AEH	Glass	Window Glass	small clear fragments	-	-
2868-2869	330N 90E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2870	330N 90E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
2871	330N 90E	Metal	Misc. Metal	scrap metal	unknown	-	-
2872	330N 100E	AEH	Brick	Brick	brick fragments	brick	-
2873-2874	330N 100E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2875-2878	330N 100E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2879-2887	330N 100E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2888-2891	330N 100E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2892-2896	330N 100E	AEH	Glass	Window Glass	small clear fragments	-	-
2897-2899	330N 100E	AEH	Metal	Cut Nail	cut nails	cut	1830-1890
2900-2901	330N 100E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2902	330N 100E	AEH	Metal	Wire Nail	nail fragment	nail	1890-present
2903	330N 100E	Metal	Misc. Metal	scrap metal	unknown	-	-
2904	330N 110E	HC	Ceramic	Stoneware	bristol ware glaze	holloware	1880-1900
2905	330N 110E	HC	Ceramic	Red Earthenware	unglazed and glazed fragments	holloware	19 th -20 th century
2906-2909	330N 110E	HC	Ceramic	Ironstone	plain fragments	unknown	1845-1890
2910-2911	330N 110E	HC	Ceramic	Unidentified	small exfoliated sherds	unknown	-
2912-2914	330N 110E	HG	Glass	Bottle Glass	clear fragments	container	-
2915-2917	330N 110E	AEH	Metal	Unidentified Nail	nail fragment	nail	-
2918	330N 110E	Metal	Misc. Metal	scrap metal	unknown	-	-

*(Adams 1993) & (Kenyon 1980, 1991)

HC- Household Ceramic; AEH-Architectural Elements and Hardware; HG-Household Glass; PER-Personal; OTH-Other

The documentary record for the Stage 3 assessment includes 4 digital photographs, two field maps, 4 pages of field notes and one banker's box of 2,872 artifacts.

3.3 ANALYSIS AND CONCLUSIONS

The archival research indicates that the George Warnica site (BcGv-40) represents the location of a two-storey brick house that was originally occupied by George Warnica in the 1860's, and then other members of the Warnica family until the end of the 19th century. The large artifact assemblage recovered from the site confirms that it represents a domestic occupation from the 1860's to the turn of the century. The diagnostic components in the artifact assemblage indicate that the vast majority of the site occupation postdates 1870. As per the MTC's Standards and Guidelines for Consultant Archaeologists (2011: 35), domestic Euro-Canadian archaeological sites in southern Ontario which were primarily occupied before 1870 (80% or more), have cultural heritage value. Euro-Canadian domestic sites which were primarily occupied after 1870 generally do not have cultural heritage value and do not require Stage 4 mitigation. Given the relatively late date of occupation, the George Warnica site (BcGv-40) is not considered to have cultural heritage value. This site will not require Stage 4 mitigation and is no longer a planning concern.

4.0 RECOMMENDATIONS & COMPLIANCE ADVICE

4.1 RECOMMENDATIONS

As detailed in this report, one archaeological site was found as a result of the Stage 1-3 assessment and has been registered as the George Warnica site (BcGv-40). This site is a late 19th century Euro-Canadian homestead. Our firm carried out a Stage 3 assessment of the site in May, 2014. The Stage 3 assessment consisted of a controlled surface collection and the excavation of a total of 39 one metre square test units at 5-10 metre intervals across the site.

The results of the Stage 3 assessment indicate that the vast majority of the site occupation postdates 1870. As per the MTC's Standards and Guidelines for Consultant Archaeologists (2011: 35), domestic Euro-Canadian archaeological sites in southern Ontario which were primarily occupied before 1870 (80% or more), have cultural heritage value. Euro-Canadian domestic sites which were primarily occupied after 1870 generally do not have cultural heritage value and do not require Stage 4 mitigation. Given the relatively late date of occupation, the George Warnica site (BcGv-40) is not considered to have cultural heritage value. This site will not require Stage 4 mitigation and is no longer a planning concern.

The results of the Stage 1-3 archaeological assessment indicate that the subject property does not contain any archaeological sites that have cultural heritage value. Accordingly, there are no other further concerns for impacts to archaeological resources on this 50 hectare parcel of land. No further archaeological assessment of this parcel of land is required.

4.2 COMPLIANCE ADVICE

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

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

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

The *Cemeteries Act*, R.S.O. 1990 c. C.4 and the *Funeral, Burial and Cremation Services Act*, 2002, S.O. 2002, c.33 (when proclaimed in force) require that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Consumer Services.

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

5.0 MAPS

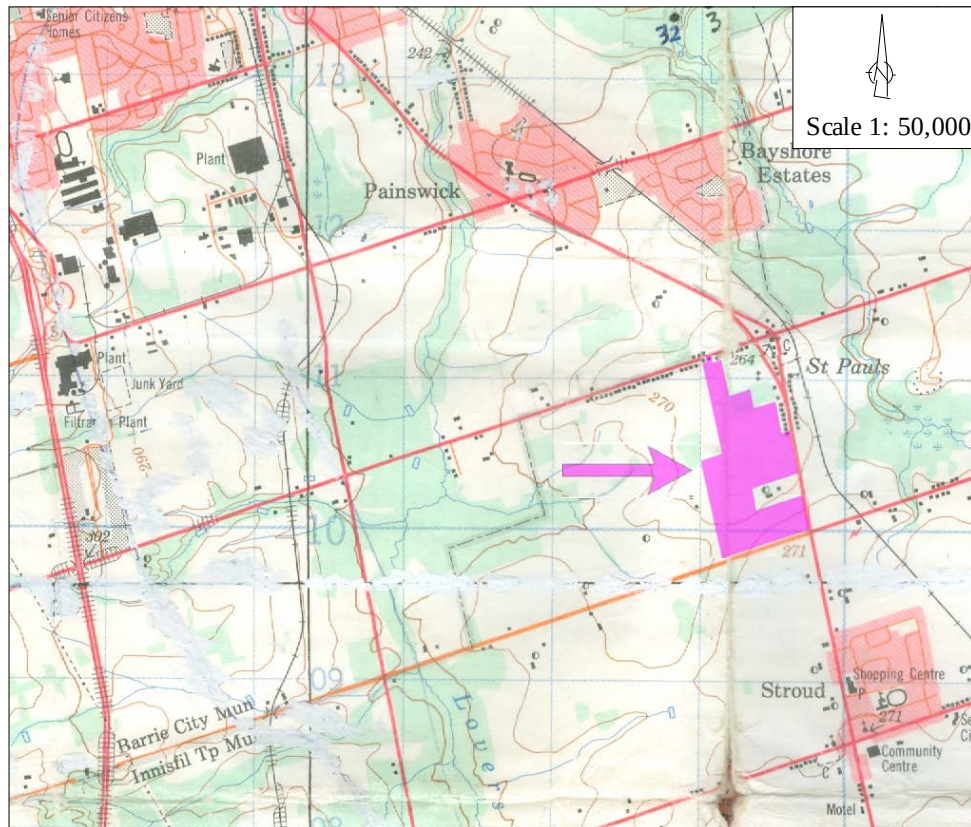


Figure 1. Location of the Subject Property
(Department of Energy, Mines and Resources 1986 Barrie 31 D/5)

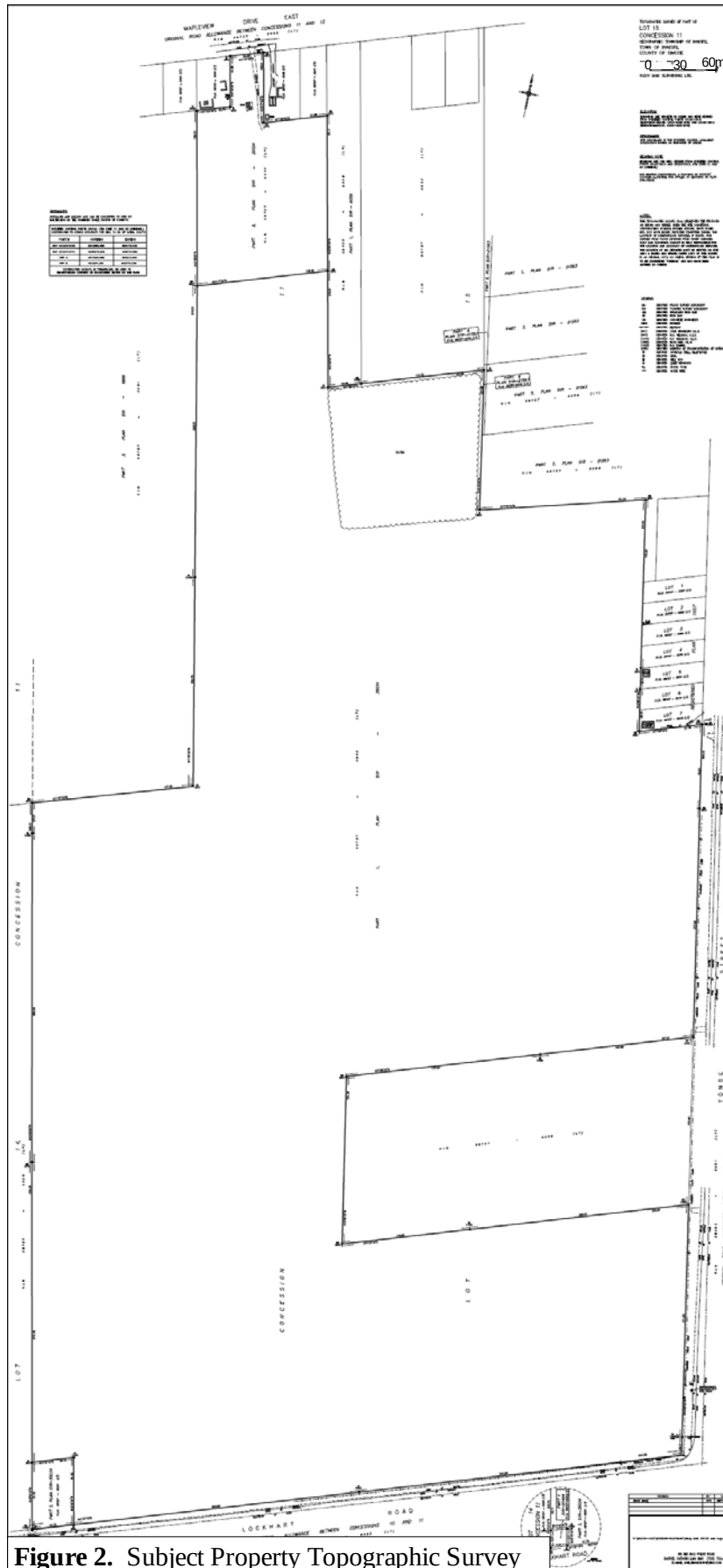
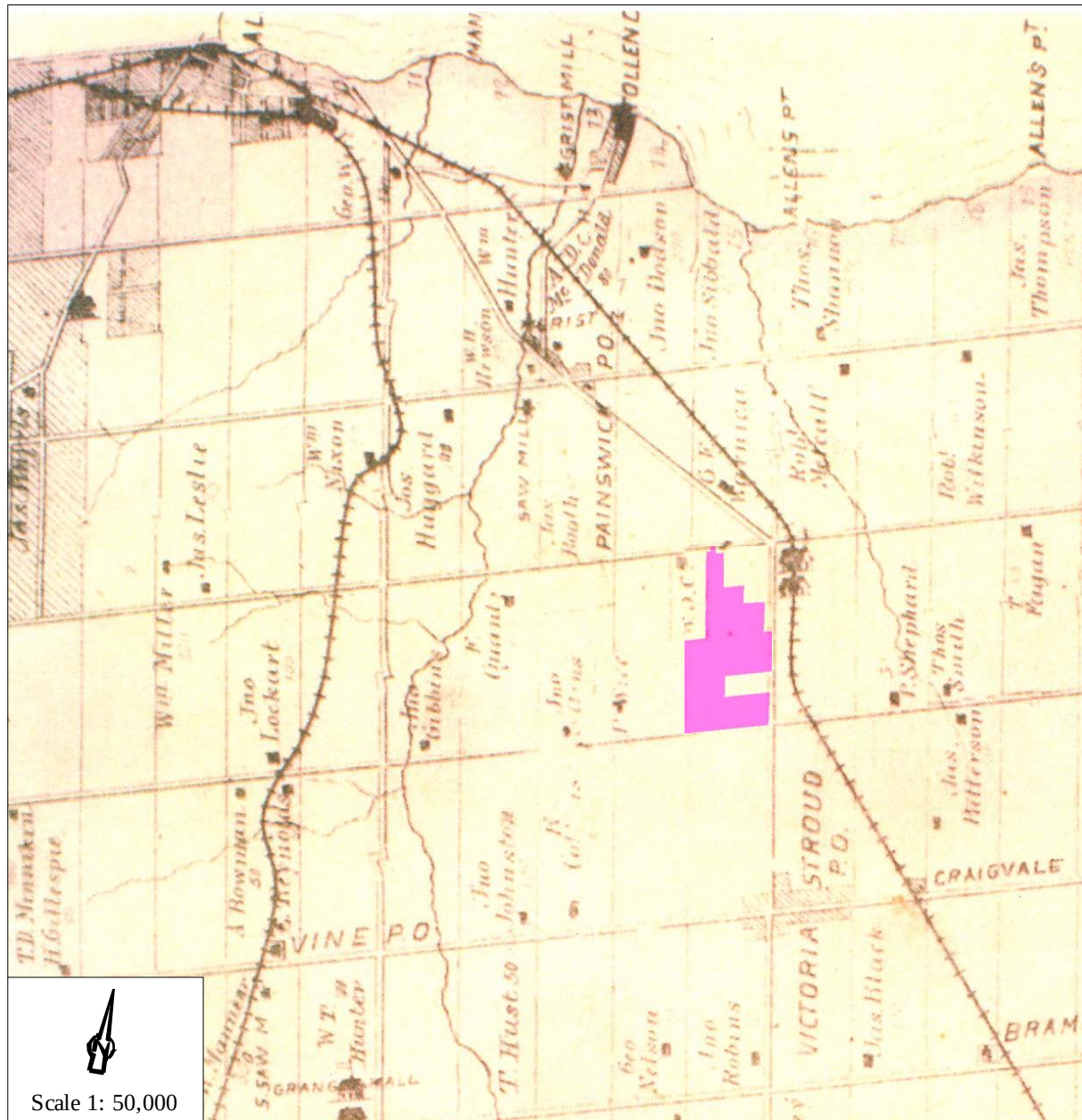


Figure 2. Subject Property Topographic Survey



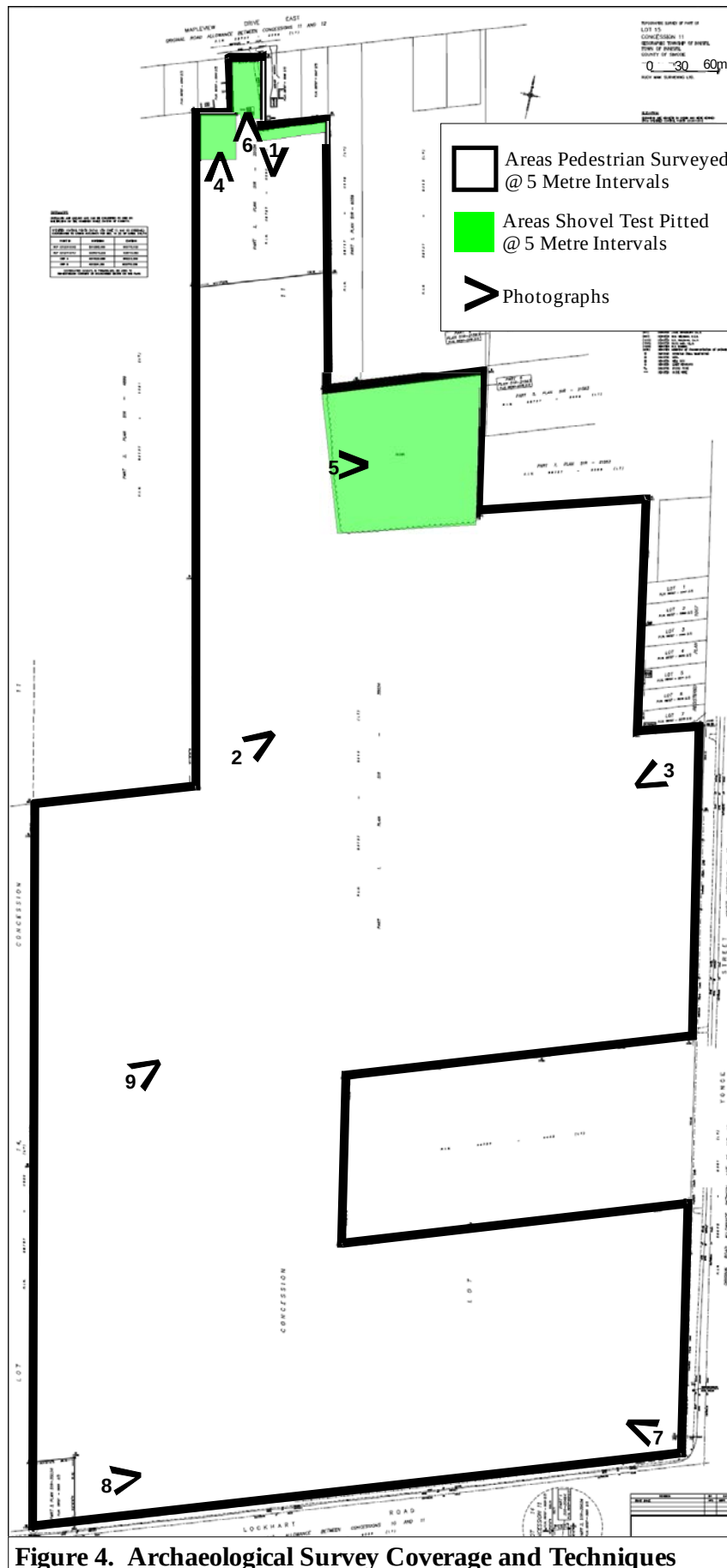


Figure 4. Archaeological Survey Coverage and Techniques

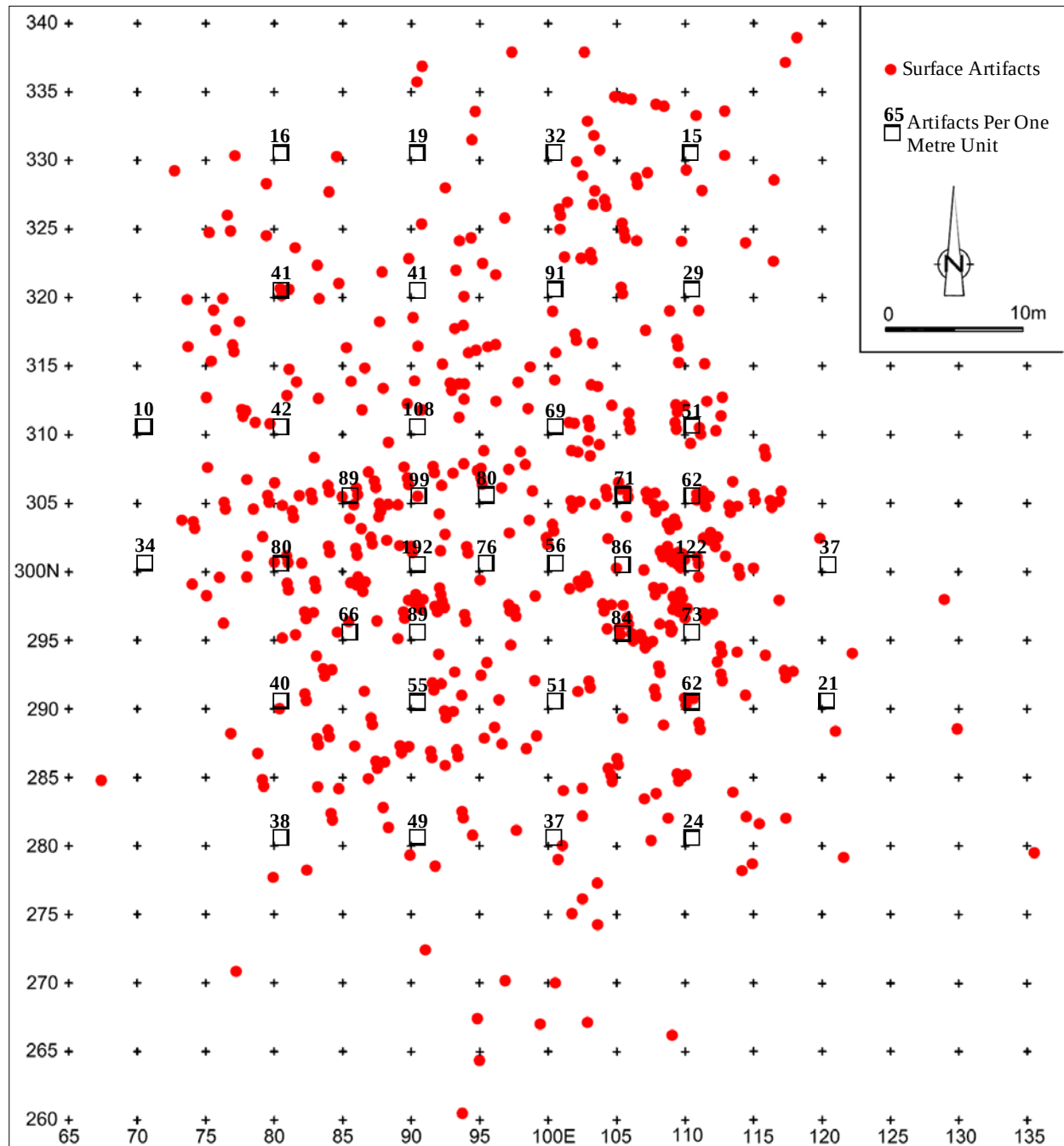


Figure 5. Results of the Stage 3 Assessment of the George Warnica Site (BcGv-40)

6.0 IMAGES



Plate 1. General Field Conditions, Northwestern Section of Property (view south)



Plate 2. General Field Conditions, Northeastern Section of Property (view northeast)



Plate 3. General Field Conditions, Central Section of Property (view southwest)



Plate 4. Scrublands, Northwestern Corner of Property (view north)



Plate 5. Wooldot, Northern Section of Property (view east)



Plate 6. Lawn and Gravel Road, Northern Edge of Property (view north)



Plate 7. General Field Conditions, Southeastern Section of Property (view northwest)



Plate 8. General Field Conditions, Southwestern Section of Property (view east)



Plate 9. General Field Conditions, Central Section of Property (view northeast)



Plate 10. BcGv-40 Site Surface Scatter (view north)



Plate 11. BcGv-40 Site Surface Scatter (view south)



Plate 12. BcGv-40 Site Stage 3 Test Excavations
(view northwest)



Plate 13. BcGv-40 Site Stage 3 Test Excavations
(view southeast)



Plate 14. BcGv-40 Site Stage 2 Artifact Sample



Plate 15. BcGv-40 Site Stage 3 Artifact Sample

7.0 REFERENCES CITED

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2007 Approaches to the Excavation of Plough-Disturbed Early Nineteenth Century Domestic Sites in Southern Ontario. **Ontario Archaeology** 84/84: 30-57.

MTCS Communication:

Hi, Rick. As you note, there have been concerns expressed about excessive numbers of test units for later 19th century sites, which are often both quite large and of an uncertain degree of cultural heritage value or interest. The following is our general advice on strategy in such situations. For such large sites, which may produce large quantities of information even without test units, start with the following:

1. a CSP with the goal of obtaining a substantial sample which will allow for the confident determination of a definitive as possible dating of the site. This may also better delimit the extent of the site. Note that we will accept a CSP (or intensified pedestrian survey) done during Stage 2 as long as it conforms to all the requirements of a CSP as per Section 3.2.1.
2. Historical documentation as per Section 3.1 Standard 1 (which is equivalent to Section 1.1 Guideline 1 and can therefore again go in a Stage 1-2 report), with the goal of being as confident as possible about who was at the site and when, and whether there is any reason based on historical documentation for this site to have any sufficient cultural heritage value or interest to proceed to Stage 4.

The above is based on the expectation that the CSP will produce a large (several hundred, if not thousands) artifact assemblage which is fully representative of the site and can form the basis of a highly certain dating for the site. And, that the historical documentation is highly detailed and very thorough such that it clearly supports the conclusions drawn from the artifact assemblage and demonstrates that no other significant historic activity is associated with this later occupation of the property.

If you can make a very solid argument on the basis of the above information, then you may submit it as a Stage 2 report. Otherwise, you should proceed with test units. For the excavation of test units, we advise that it is possible to take a step-wise limited approach to meeting Table 3.1 by: 1. Start with a 10 m grid; 2. Selectively excavate areas of interest/fill in the 5 metre grid (or, in other words, do the '40 percent in areas of interest' but do as many as possible in terms of working toward the 5 metre grid); 3. Only if necessary complete the five-metre grid and the areas of interest.

You should also note that Section 3.3.1 may be applied to a large site, so that even if a complete Stage 3 does end up being necessary, only the number of test units according to Section 3.3.1 are necessary. As a rule of thumb, we are willing to accept any 19th century rural domestic site of 40 metres X 40 metres or larger as a 'large' site. However, this only applies if there is a reasonable surface density of artifacts within the area that is so defined (e.g., there are at least dozens of artifacts within that area, if not hundreds) – in other words, 'large' cannot be based on the inclusion of individual outliers.

Generally speaking, the goal of Stage 3 is to clarify the characteristics of the site. If you are confident that you can demonstrate those characteristics based on CSP and detailed historical background research, and based on those characteristics make a sound argument that it is clearly evident that further work is not necessary, then we will consider that recommendation. Or, if limited Stage 3 test units clearly support a soundly based conclusion, then again we will consider a recommendation based on that evidence. Note that we will take a conservative approach to evaluating that recommendation, i.e., Stage 3 to its full extent (or further Stage 3 beyond CSP and historical documentation) will be necessary unless it is 'clearly evident' that it is not necessary.

If at any point, you are convinced that it is 'clearly evident' that the site does not merit Stage 4 (consider the questions listed below), you may pause and obtain ministry advice through Archaeology@ontario.ca

as to whether it is necessary to continue. This is advisable if it is not clear that you have met the S & Gs as they are stated, and instead wish to make an evidence-based argument.

In any such situation where you are working out an argument regarding whether the site should go to Stage 4 or not, the following questions may assist you to make your case and formulate your recommendations:

- What is the size and what are the general characteristics of your artifact assemblage? In particular, what are the frequencies of artifacts within the assemblage that can be assigned to more specific date ranges, most notably ceramics, but anything else as well?
- Are there any unusual artifacts or unusual frequencies of artifacts in the assemblage?
- Is there any identifiable spatial variation in the assemblage? Are there any identifiable concentrations? In other words, are there any earlier dating concentrations within the overall distribution that might suggest earlier features are present, or a discrete earlier occupation within the overall site?
- Is there any associated built heritage that might inform your analysis of the site?
- How would the site fit within the overall historical development of the region or the local area? For example, is it a first-, second-, third- (or even all three) generation site in the context of the surrounding region? Or, to put it another way, based on the artifact assemblage and the historical documentation, what is likely the earliest date of occupation for the property and how early is this in the context of the chronology of the region?
- Is there enough evidence at this point to make a convincing case that Stage 3 will not result in the site meeting the criteria under Section 3.4.2 Standard 1a, i.e., it is very clear that less than 80 percent of the time span of occupation is prior to 1870?
- Have you done detailed historical background documentation for this property to at least the level required by Section 3.1? Has this provided any further information of interest about the property? Was this a typical farmstead occupied by an average farmer? Or, were there unusual activities going on (e.g., different products or livestock, other activities than farming) or unusual persons occupying the property (e.g., blacksmith, teacher, magistrate, political figure, mentioned in historical accounts, squatter, an unusual ethnic group for that area)?
- Is there good historical documentation with lots of detail available for this property, or is there very little historical documentation available?
- Was there occupation by one set of related people (e.g., a continuous occupation by one family) or by many different unrelated people or groups of people?
- Have there been many other 19th century sites excavated in this region? If so, how does this site compare to them?
- Is there any evidence for features being present?
- Are there related sites on the property or nearby properties? Is it an earlier site in a sequence of which this is a later site?
- If it goes to Stage 3 test units and you are going to suggest testing only in certain parts of the site, or in a more limited manner than that required by Table 3.1, can you formulate a detailed argument that is supported by the available evidence? Or, in other words, would a reviewer have any reason to suggest full Stage 3 assessment or other alternative strategies? Do you have solid evidence to counter any such suggestions by a reviewer?

Hope that helps.

Sincerely,

Malcolm Horne
Archaeology Review Officer
Archaeology Program Unit
Ministry of Tourism and Culture
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel. 416-314-7146
Fax 416-314-7175
Email: Malcolm.Horne@ontario.ca

From: R SUTTON [<mailto:rjsutton@sympatico.ca>]
Sent: November 14, 2013 11:49 AM
To: Archaeology (MTCS)
Subject: Stage 3 Assessment of Late 19th Century Sites

Our firm recently found a few very large late 19th cent. sites on different properties during the pedestrian survey of ploughed fields. Stage 3 assessment may be required in order to determine if they post date 1870. Due to their large size and large quantity of surface artifacts, the excavation of a large number of test units at 5 metre intervals, along with some additional units in areas of interest would be impractical. In my opinion, the excavation of test units at 10 metre intervals along with the excavation of additional units (40%) of grid, would be sufficient. Is this acceptable to MTCS. How are other consultants addressing this issue?

Rick Sutton Ph.D.
President
Archaeological Assessments Ltd.
2227 Wuthering Heights Way
Oakville, ON
L6M 0A3
T: 905-469-8690
F: 905-469-8702