

**A Stage 3 and 4 Archaeological Investigation of
Site AkGx-40 and the Graham Site (AkGx-41)
Sewage Treatment Plant and Borrow Pit Areas
Part of West Half of Lot 2, Concession 1, W.H.S.
Geographic Township of Caledon
Now in the Town of Caledon
Regional Municipality of Peel, Ontario**

Submitted to

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Archaeological Consulting Licences # P052 and # P061
MCL CIF # P052-018 (Stage 3) and # P061-035 (Stage 4)
ASI File # 03BU-02

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PROJECT PERSONNEL

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<i>Project Director:</i>	Mr. Martin S. Cooper
<i>Project Archaeologists:</i>	Dr. Frank Dietermann Mr. Keith Powers
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1.0 INTRODUCTION

Archaeological Services Inc. was contracted by R.J. Burnside & Associates Limited to conduct a Stage 3 archaeological assessment of Site AkGx-40 and a Stage 3 and 4 archaeological assessment of the Graham site (AkGx-41), two precontact archaeological sites located on part of the west half of lot 2, Concession 1, W.H.S., Geographic Township of Caledon, now the Town of Caledon (Figures 1 and 2).

Under the overall project direction of Mr. Martin Cooper, the Stage 3 assessment of both sites was conducted under the field direction of Mr. Keith Powers (MCL CIF # P052-018), while the Stage 4 investigation of the Graham site was conducted under the field direction of Dr. Frank Dieterman (MCL CIF # P061-035). Permission to access the sites was granted by R.J. Burnside & Associates Limited.

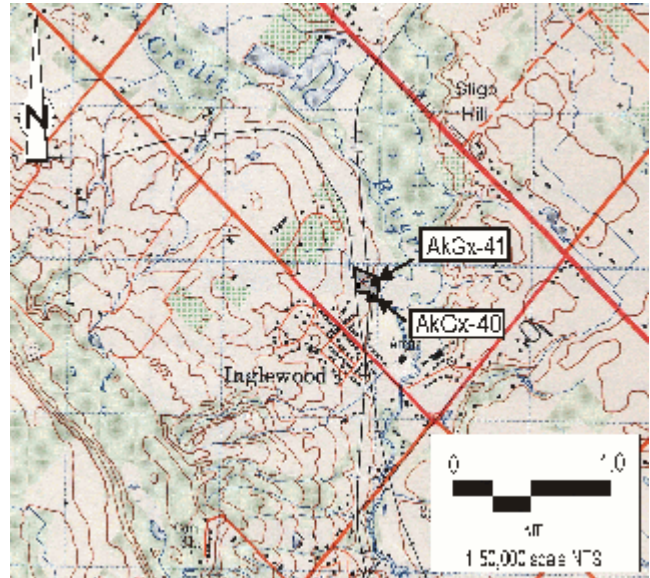


Figure 1: The Location of Site AkGx-40 and Graham Site AkGx-41

(NTS Sheet 30M/13, Edition 6)

2.0 PREVIOUS RESEARCH AT THE GRAHAM SITE (AkGx-41) AND SITE AkGx-40

Site AkGx-40 and the Graham site (AkGx-41) were documented during the course of the Stage 2 assessment of the Storm Water Management Pond and Borrow Pit Areas, Part of West Half of Lot 2, Concession 1, W.H.S., (Geographic Township of Caledon), now in the Town of Caledon, Regional Municipality of Peel, Ontario (ASI 2003). Both sites were found as a result of pedestrian survey.

Site AkGx-40, comprising seven lithic artifacts, was encountered on slightly sloping ground in the southeast corner of the property within the area of the proposed sewage treatment plant (Figure 2). The material recovered from the surface of the site during the Stage 2 assessment consisted of three secondary retouch flakes, three secondary knapping flakes, two of which were thermally altered, and a shatter fragment (ASI 2003: Table 2). All of the artifacts were manufactured from Onondaga chert. The artifacts were distributed over an approximate 20 x 20 metre area.

The Graham site (AkGx-41) was encountered on a slight knoll situated within the borrow pit area in the northeast corner of the property (Figure 2). The recovered artifacts comprise eight lithic artifacts, including a Meadowood biface, a projectile point tip fragment, a refined biface tip fragment, a refined biface fragment, three shatter fragments and a retouched shatter fragment, and one native copper bead (ASI 2003: Table 3).



Figure 2: Location of Site AkGx-40 and the Graham Site (AkGx-41) within the limits of the property

3.0 STAGE 3 ASSESSMENT OF SITES AkGx-40 AND GRAHAM SITE (AkGx-41)

3.1 Stage 3 Field Work

The controlled surface collections and test excavations at the two sites were carried out from May 21st to 23rd and May 26th, 2003 at Site AkGx-40 and from May 28th to June 20th at the Graham site. Fieldwork was conducted in accordance with the *Ontario Heritage Act* (1990) under a professional archaeological licence (P052) issued to Mr. Keith Powers of Archaeological Services Inc. for the Stage 3 investigation of Site AkGx-40 and the Graham site, and under a professional archaeological licence (P061) issued to Dr. Frank Dieterman of Archaeological Services Inc. for the Stage 4 investigation of the Graham site.

Since surface visibility and field conditions of the site areas within the respective ploughed fields were excellent (ASI 2003: Plates 2 & 3), the May 2003 Stage 3 investigations began with the re-examination of the two site areas by means of pedestrian survey at one to two metre intervals.

At each site, a controlled surface collection was completed during which the location of each surface find encountered during the Stage 3 assessment was recorded with the aid of a transit and tape measure relative to the data established during the Stage 2 surveys. Where possible, the locations of the original Stage 2 finds were recorded as well.

3.2 Site AkGx-40

The Stage 3 investigation of the site began with pedestrian survey conducted at a one metre interval. Despite careful scrutiny, no additional surface artifacts were encountered. The locations of the seven Stage 2 surface finds were recorded in relation to the site datum, UTM reading 17T-0585943 and 4849839 [NAD 27]. The site datum was established as the 500-200 and tied into a five metre grid oriented to magnetic north (Appendix B: Figure 3). A series of one metre square test units was then placed at or very near the locations of the Stage 2 surface finds.

A total of 11 one-metre square test units was excavated to determine the nature and extent of cultural deposits in the plough zone at the site (Appendix B: Figure 3). The test units were excavated to sterile subsoil and the soil fills were screened through six millimetre wire mesh to facilitate artifact recovery. The subsoil was trowelled, and all profiles were examined for undisturbed cultural deposits. The plough zone depth within these units ranged from 28 cm to 36 cm. Despite careful scrutiny, no evidence of intact cultural deposits or subsurface features was noted in any of the test units. Forty-eight lithic artifacts were recovered from the test units. Plough zone artifact yields ranged from one item (Units 500-205, 505-198, 505-210) to a high of ten items (Unit 505-202), for an average yield of 4.36 artifacts per unit.

3.2.1 Site AkGx-40 Artifact Assemblage

The Site AkGx-40 assemblage comprises 55 artifacts recovered from the Stage 2 and 3 investigations (Appendix A: Table 1) and includes three secondary retouch flakes (5.4%), 20 secondary knapping flakes (36.4%) and 32 shatter fragments (58.2%). All of the material from the site is Onondaga chert. Twelve of the artifacts have been thermally altered, comprising five secondary knapping flakes and seven shatter (Appendix A: Table 1).

The prevalence of secondary knapping flakes and shatter suggests that tool refurbishing or tool resharpening activities were primarily conducted at the site rather than any form of initial tool reduction.

Indeed, the presence of three secondary retouch flakes may reflect very refined tool refurbishing, albeit very limited, given that only three such artifacts were recovered.

3.3 Graham Site (AkGx-41)

The Stage 3 investigation of the site began with pedestrian survey conducted at a one metre interval. Nine additional lithic artifacts and one copper bead were encountered. The locations of these surface finds were recorded in relation to the site datum, UTM reading 17T-0586043 and 4850059 [NAD 27]. The site datum was established as the 500-200 stake and tied into a five metre grid oriented to magnetic north. A series of one metre square test units was then placed in the locations of the Stage 3 surface finds and these surface finds were incorporated into the artifact yields of the respective squares.

A total of 98 one-metre square test units (tied into the five metre grid) was block excavated to fully investigate the nature and extent of cultural deposits in the plough zone (Plate 1 and Appendix B: Figures 4-6). The test units were excavated to sterile subsoil and the soil fills were screened through six millimetre wire mesh to facilitate artifact recovery. The subsoil was trowelled, and all profiles were examined for undisturbed cultural deposits. The plough zone depth within these units ranged from 38 cm to 44 cm.

Five hundred and eleven lithic fragments (Appendix A: Table 2 and Appendix B: Figure 4), including 141 biface fragments (Appendix A: Table 2 and Appendix B: Figure 5), and 84 native copper beads, and one copper awl, one copper awl tip and one copper fishhook (Appendix A: Table 2 and Appendix B: Figure 6) were recovered from the test units. Plough zone lithic artifact yields ranged from zero items (Units 486-203, 487-205, 489-201, 491-209, 493-198, 495-201, 497-206, 497-208, 497-209, 498-208 and 499-204) to a high of twenty-nine items (Unit 491-204), for an average yield of 5.2 lithic fragments per unit (Figure 4). Plough zone biface fragment yields ranged from zero items (39 units) to a high of 12 blades (Unit 494-203), for an average of 1.4 cache blades per unit (Figure 5). Plough zone copper bead (including awl and fishhook) yields ranged from zero items (65 units) to a high of 11 copper artifacts (Unit 493-205), for an average of 0.88 copper beads per unit (Figure 6).

Four subsurface features were encountered beneath the ploughzone within the excavated block of 98 test units (Plates 2-4 and Appendix B: Figure 8). An additional 74 lithic artifacts, including 13 biface fragments, were recovered from Feature 1, one biface fragment was recovered from Feature 3, and three shatter were recovered from Feature 4 (Appendix A: Table 2), while a further 20 copper beads were recovered from Feature 1 (Appendix A: Table 2).

A further 40 x 30, 40 x 10, 25 x 10 and 5 x 5 metre areas immediately adjacent to the area of the 98 hand-excavated test units were stripped of topsoil by Gradall for any additional subsurface cultural features (Appendix B: Figure 7). However, no additional cultural features were encountered.

3.3.1 Graham Site Lithic Artifact Assemblage

The Graham site lithic assemblage comprises 607 artifacts derived from the Stage 3 and 4 investigations. These artifacts consist of 181 complete or fragments (tip, medial or basal) of bifaces, and a variety of lithic debitage, including 343 shatter, 35 retouched shatter, 22 retouch flakes, 24 secondary knapping flakes, a primary thinning flake and a primary reduction flake. A comprehensive list and description of these lithic artifacts is provided in Table 3 of Appendix A. Artifact measurements as provided in Table 2 were oriented along the axis of percussion and were as follows: maximum length, maximum width,

perpendicular to the maximum length, and maximum thickness. A sample of these bifaces is displayed on Plates 5 and 6 and includes one refitted biface (Plate 5 right).

A number of distinguishing features may be gleaned from the assemblage. The vast majority of the assemblage was thermally altered (66%) often severely, and was readily visible by surface discolouration of the (Onondaga) chert, and by the high incidence of pot lid fractures. The majority of the lithics were fragmentary in nature resulting in a high proportion of shatter in contrast to a low proportion of complete flakes. This fragmentation is also illustrated within the biface component in which 99% of the material is incomplete. Other than the bifaces, the only formal tool identified was the distal end of an end scraper, which was possibly retouched on a biface. This may represent the reuse of a biface blade. (However, without the proximal portion of the scraper, such a hypothesis is not certain.) The vast majority of the assemblage, 98%, was manufactured from Onondaga chert. Nevertheless, Fossil Hill, Haldimand, Flint Ridge, Kettle Point, and Trent Valley chert flakes are also present.

With just over 400 artifacts of secondary flakes and shatter recovered from the block excavation and features, this relatively limited amount of debitage, (given that the site was block excavated), implies that these bifaces were not manufactured at this site. Biface manufacture and reduction would produce significantly more debitage and possibly some primary reduction debris. Therefore, since these bifaces were not likely manufactured at the site, their presence indicates that they were brought to the site and deliberately left as a cache deposit. Consequently, an attempt was made to determine the probable original location of this biface cache.

A review of Figures 4 and 5 reveal that the primary concentration of lithics in general, and bifaces in particular, are situated in the same general location, i.e. a 5 x 3 metre area of test units situated between northing 490 and 495 and easting 203 and 206. This also coincides with the general location of Features 1 - beneath Unit 491-204 - and Feature 2 - beneath Unit 490-204 (Appendix B: Figure 8). Since only one groundstone fragment was recovered from Feature 2 and 77 lithic artifacts were recovered from Feature 1 (Appendix A: Table 2), it is reasonable to assume that the biface cache had originally been placed in Feature 1 and that recent ploughing may have caused the dispersal and breakage of many of these blades. This is further supported by matching biface distribution in the ploughzone in relation to the features by a method known as *Kriging* (Appendix B: Figure 13) and by the fact that at least one refit involved biface fragments from within the feature and an exterior provenience (Figure 9). This further indicates that the largest source of bifaces is within and around Feature 1. Therefore, it is likely that the biface cache had been located in Feature 1.

3.3.2 Graham Site Copper Artifact Assemblage

A total of 104 copper beads, one complete copper awl, one copper awl tip and one copper fishhook were recovered from the site Appendix A: Tables 2 & 3 and Appendix B: Figure 6). Although some of the beads are fragmentary and corroded, the vast majority of the beads were tubular (Plate 8). The measurements taken for the beads were maximum length (oriented parallel to the threading hole), maximum width, and threading hole diameter. All measurements were taken in centimeters.

Plates 8 and 9 display a sample of the recovered copper beads, as well as the copper awl and fishhook.

Although the beads are relatively uniform morphologically (Figures 14 and 15), showing a unimodal distribution in length and length/width ratio, a few outliers were either longer or shorter in length (longitudinally) relative to their width. In combination, such as strung in rows or columns like a necklace or series of necklaces, these beads would create a rather elaborate and striking form of ornamentation. Although there were a number of fragmentary beads, most of the beads in the assemblage were in

excellent condition. Additional copper artifacts included a complete awl, an awl tip and a fishhook.

The copper fish hook is manufactured from native copper (Plate 9). It can be classified as a fish hook, as opposed to a gaff based on its size. Copper gaffs are considerably larger, some exceeding over 300 mm in length. The Graham site copper fish hook was manufactured from a single piece of native copper of approximately 4.5 mm in maximum diameter at the shank tapering towards the eye and the point. The shank is roughly square in cross section. A remnant of the eye can be detected, while a small spur on the point may represent a vestigial barb. In terms of the artifact's overall measurements, the shank is 64.0 mm in length; the throat measures 33.2 mm in length and the gape measures 29.2 mm in length. It is interesting that as with modern fish hooks, the throat and gape measurements are very similar.

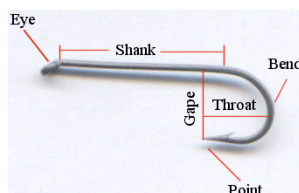


Plate 1: Parts of a Fish Hook

The surface of the fish hook is pitted due to corrosion and exhibits a distinctive copper oxide patina.

Copper fish hooks were manufactured from native copper that was either mined from massive deposits found in the Lake Superior basin or from pure nuggets or float copper found in glacial deposits and stream beds. The copper was heated to anneal or soften it and then cold hammered to the desired shape. There is no evidence that copper was smelted or poured into molds in precontact North America.

Copper fish hooks, similar to the item described above, are found throughout the Great Lakes area and date from the Late Archaic period to the Middle Woodland period. The earliest dated occurrence is at the Morrison Island-6 site in the Ottawa River, which dates to approximately 2750 B.C. This site, which represents the largest concentration of native copper artifacts in northeastern North America, included 33 copper fish hooks. None of the Morrison Island fish hooks have eyes, which lead the authors to question how the lines were attached to the hook (Clermont and Chapdelaine 1998:102). Similarly, copper fish hooks recovered from the Middle Woodland component of the Summer Island site in northern Lake Michigan have no eyes, which the author has attributed to the possibility that they may have functioned as leister barbs (Brose 1970: 132). A Late Archaic copper fish hook from Quebec does have an intact eye (Wright 1979: 28).

Copper fish hooks and gaffs from northern Ontario have similar hooked shaped eyes for the attachment of lines as the Graham site specimen. Some of these are described and illustrated by Quimby and Griffin (1961).

While the fishhook was found in a topsoil context near Feature 4, twenty of the copper beads were recovered from Feature 1. The majority of the remainder were recovered from units in the vicinity of Feature 1, the same 5 x 3 metre area of test units from northing 490 to 495 and easting 203 to 206 in which the primary concentration of bifaces was recovered. Therefore, the copper beads and the biface cache are likely to have been deposited together within the feature.

3.3.3 Miscellaneous Artifact Assemblage

The remainder of the artifact assemblage consisted of three probable groundstone fragments, three probable freshwater shell fragments and 162 unidentifiable, calcined bone fragments. Most (137) of the calcined bone was recovered from Feature 4. The bone represents the partial remains of a cremated mammal. The fragmentary nature and extent of thermal alteration, however, makes species identification impossible.

3.4 DISCUSSION

One characteristic site type of the Early Woodland period, specifically the Meadowood Complex, (ca 1,000 – 400 B.C.) is a cemetery (Spence et al. 1990: 128). These sites invariably include deposits containing limited remains of calcined bone, often attributed to human cremations. Although a number of these sites contain numerous features with several cremated individuals, sometimes at or very near habitation sites, some isolated sites containing a single individual have been found. These sites usually contain grave goods, such as caches of bifaces, slate gorgets or pendants and copper artifacts. The Graham site (AkGx-41) may, therefore, represent a single Meadowood cremation. However, the calcined bone fragments are completely unidentifiable. In that, the remains of the cremated individual or animal were apparently deposited in Feature 4 (Appendix B: Figures 8 & 12), the deposit of copper beads and bifaces in Feature 1 (Appendix B: Figures 8 & 10), may represent an offering for or with the cremation.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the Stage 2 and 3 assessments of Site AkGx-40 suggest that it represents a very brief occupation of an undetermined cultural/chronological period, during which limited flint-knapping and/or resource processing activities took place. The low density of artifacts within the plough zone further suggests that the material traces of these activities are quite ephemeral, and that further investigation of the site is unlikely to result in a meaningful contribution to our understanding of the precontact occupation of the area.

The results of the Stage 2, 3 and 4 assessments of the Graham site (AkGx-41) suggest that the site comprises the remnants of a cremation burial of an animal perhaps with a copper bead and biface offering that date to the Meadowood Complex of the Early Woodland period (ca. 1,000 - 400 B.C).

In light of these considerations, the following recommendations are made:

1. Site AkGx-40 and the Graham site (AkGx-41) sites may be considered clear of any further archaeological concern.
2. The artifacts recovered from the Site AkGx-40 and Graham site (AkGx-41) and the supporting documentation shall be curated by Archaeological Services Inc. until such a time that arrangements for their ultimate transfer to Her Majesty the Queen in right of Ontario, or other public institution, can be made to the satisfaction of the landowner, the *Ministry of Culture*, and any other legitimate interest groups.
3. In the event that deeply buried archaeological remains are encountered on the property during construction activities, the office of the Regulatory and Operations Group, *Ministry of Culture* (MCL), should be notified immediately.

4. Furthermore, in the event that human remains are encountered during construction, both MCL and the Registrar or Deputy Registrar of the Cemeteries Regulation Unit of the *Ministry of Consumer and Commercial Relations* should be notified immediately.

5.0 REFERENCES CITED

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Plate 2: View of block excavation of test units



Plate 3: View of feature excavation



Plate 4: Plan View of Features 1 and 2



Plate 5: Plan View of Feature 4



Plate 6: Biface tip (cat. #300), Unit 493-207 (left); complete biface (cat. #.075), Unit 490-202 (centre); refitted biface (cat. #.099 & .368) Units 490-206 and Units 494-208 (right)



Plate 7: Biface tip (cat. #.386), Unit 495-204 (left); biface tip (cat. #.468), Feature 1 (centre); biface fragment (cat. #.285), Unit 493-205 (right)



Plate 8: Copper bead (cat. #.189), Unit 492-203 (left); copper bead (cat. #.190), Unit 492-203 (centre); copper bead (cat. #.188), Unit 492-203 (right); copper awl (cat. #.426), Unit 498-204 (bottom)



Plate 9: Copper fishhook (cat. #.417) Unit 497-206

APPENDIX A: ARTIFACT CATALOGUES

TABLE 1: AkGx-40 Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.008	494-201	2	Lithic	Secondary Knapping Flakes, Onondaga chert
.009	494-201	4	Lithic	Shatter, Onondaga chert
.010	500-201	2	Lithic	Secondary Knapping Flakes, Onondaga chert
.011	500-201	4	Lithic	Shatter, Onondaga chert
.012	500-205	1	Lithic	Shatter, Onondaga chert
.013	505-198	1	Lithic	Shatter, Onondaga chert
.014	505-202	2	Lithic	Secondary Knapping Flakes, Onondaga chert (2 thermally altered)
.015	505-202	8	Lithic	Shatter, Onondaga chert (2 thermally altered)
.016	505-204	5	Lithic	Secondary Knapping Flakes, Onondaga chert (1 thermally altered)
.017	505-204	4	Lithic	Shatter, Onondaga chert
.018	505-210	1	Lithic	Secondary Knapping Flakes, Onondaga chert
.019	510-204	2	Lithic	Secondary Knapping Flakes, Onondaga chert
.020	510-204	3	Lithic	Shatter, Onondaga chert (1 thermally altered)
.021	511-202	2	Lithic	Secondary Knapping Flakes, Onondaga chert
.022	511-202	1	Lithic	Shatter, Onondaga chert
.023	511-207	1	Lithic	Secondary Knapping Flakes, Onondaga chert
.024	511-207	1	Lithic	Shatter, Onondaga chert
.025	515-204	4	Lithic	Shatter, Onondaga chert (1 thermally altered)

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.010	485-204	1	Lithic	Secondary Knapping Flake, Onondaga chert
.011	486-204	1	Copper	Bead, $\ell=3.03$, $w=0.48$, hole diameter=.032
.012	486-204	1	Lithic	Shatter, Onondaga chert
.013	486-205	1	Lithic	Secondary Retouch Flake, Onondaga chert
.014	486-205	1	Lithic	Shatter, Onondaga chert, thermally altered
.015	487-203	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.38$, $w=3.14$, $t=0.62$
.016	487-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.37$, $w=1.42$, $t=0.56$
.017	487-203	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.33$, $w=1.50$, $t=0.56$ refitted with .145 and .409
.018	487-204	1	Lithic	Shatter, Onondaga chert, thermally altered
.019	487-206	1	Lithic	Secondary Retouch Flake, Onondaga chert
.020	487-206	1	Lithic	Shatter, Onondaga chert
.021	488-203	1	Lithic	Shatter, Onondaga chert, thermally altered
.022	488-203	1	Lithic	Retouched Shatter, Onondaga chert
.023	488-204	2	Lithic	Shatter, Onondaga chert
.024	488-204	1	Lithic	Retouched Shatter Onondaga chert
.025	488-204	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.026	488-205	1	Lithic	Shatter, Onondaga chert
.027	488-205	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=2.22$, $w=1.82$, $t=0.51$
.028	488-206	1	Copper	Bead, $\ell=0.65$, $w=0.80$, hole diameter=0.21
.029	488-206	1	Copper	Bead, $\ell=0.44$, $w=0.58$, hole diameter=0.24
.030	488-206	1	Lithic	Biface base fragment, Onondaga chert, $\ell=1.59$, $w=3.11$, $t=0.64$, refitted with .464
.031	488-206	1	Lithic	Retouched shatter, Onondaga chert
.032	488-207	2	Lithic	Shatter, Onondaga chert
.033	488-207	1	Lithic	Shatter, Flint ridge chert
.034	488-207	1	Lithic	Secondary Retouch Flake, Onondaga chert
.035	488-207	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.61$, $w=1.27$, $t=0.48$
.036	489-201	2	Lithic	Shatter, Onondaga chert, thermally altered
.037	489-202	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=2.87$, $w=1.93$, $t=0.60$
.038	489-203	1	Lithic	Shatter, Onondaga chert, thermally altered
.039	489-203	3	Lithic	Shatter, Onondaga chert
.040	489-203	3	Lithic	Retouched shatter, Onondaga chert
.041	489-203	1	Lithic	Biface medial, Onondaga chert, $\ell=2.16$, $w=2.19$, $t=0.58$
.042	489-203	2	Lithic	Shatter, Onondaga chert
.043	489-203	1	Lithic	Retouched shatter, Onondaga chert
.044	489-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=3.87$, $w=3.02$, $t=0.70$
.045	489-203	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.68$, $w=1.64$, $t=0.49$, refitted with .245
.046	489-205	1	Copper	Bead, $\ell=1.12$, $w=0.99$, hole diameter=0.31
.047	489-205	1	Lithic	Shatter, Onondaga chert, thermally altered
.048	489-205	2	Lithic	Shatter, Onondaga chert
.049	489-205	1	Lithic	Biface fragment, Onondaga chert, thermally altered, $\ell=2.20$, $w=1.48$, $t=0.55$
.050	489-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.67$, $w=2.17$, $t=0.65$
.051	489-205	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.59$, $w=1.79$, $t=0.53$
.052	489-205	1	Lithic	Biface base corner fragment, Onondaga chert, $\ell=1.84$, $w=1.37$, $t=0.53$

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.053	489-205	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=3.29$, $w=2.18$, $t=0.51$
.054	489-205	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=3.66$, $w=2.61$, $t=0.54$
.055	489-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.51$, $w=2.69$, $t=0.51$, refitted with .230
.056	489-206	1	Copper	Bead, $\ell=0.95$, $w=0.76$, hole diameter-0.19
.057	489-206	1	Lithic	Biface base fragment, Onondaga chert, $\ell=1.25$, $w=2.60$, $t=0.53$
.058	489-206	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.11$, $w=2.29$, $t=0.67$
.059	489-206	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.43$, $w=2.56$, $t=0.88$
.060	489-206	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=1.61$, $w=2.42$, $t=0.50$
.061	489-206	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.063	489-207	1	Lithic	Secondary Knapping Flake, Onondaga chert
.064	489-207	1	Lithic	Shatter, Onondaga chert, thermally altered
.065	489-207	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.57$, $w=1.79$, $t=0.53$
.066	489-208	1	Lithic	Shatter, Onondaga chert, thermally altered
.067	489-208	1	Lithic	Secondary Retouch Flake, Onondaga chert
.068	490-200	1	Lithic	Biface base fragment, Onondaga chert, $\ell=1.26$, $w=1.27$, $t=0.41$
.069	490-201	1	Lithic	Secondary Knapping Flake, Onondaga chert
.070	490-201	1	Lithic	Retouched Shatter, Onondaga chert
.071	490-201	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.63$, $w=2.85$, $t=0.69$
.072	490-201	2	Lithic	Shatter, Onondaga chert, thermally altered
.073	490-201	1	Lithic	Secondary Knapping Flake, Onondaga chert, thermally altered
.074	490-201	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.06$, $w=1.78$, $t=0.66$
.075	490-202	1	Lithic	Biface, complete, Onondaga chert, $\ell=4.51$, $w=3.49$, $t=0.54$
.076	490-203	1	Copper	Bead, $\ell=1.31$, $w=0.94$, hole diameter-0.40
.077	490-203	1	Copper	Bead, $\ell=0.41$, $w=0.58$, hole diameter-0.10
.078	490-203	7	Lithic	Shatter, Onondaga chert, thermally altered
.079	490-203	1	Lithic	Shatter, Onondaga chert
.080	490-203	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.56$, $w=1.60$, $t=0.50$, thermally altered
.081	490-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.94$, $w=2.21$, $t=0.75$
.082	490-203	1	Lithic	Secondary Retouch Flake, Possible Kettle Point
.083	490-204	9	Lithic	Shatter, Onondaga chert, thermally altered
.084	490-204	2	Lithic	Secondary Knapping Flake, Onondaga chert
.085	490-204	1	Lithic	Secondary Retouch Flake, Fossil Hill
.086	490-204	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.087	490-204	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=1.33$, $w=2.86$, thickness - 0.75
.088	490-204	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=0.85$, $w=0.88$, $t=0.36$
.089	490-204	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=2.16$, $w=1.78$, $t=0.51$
.090	490-205	1	Copper	Bead, $\ell=1.00$, $w=1.20$, hole diameter-0.39
.091	490-205	1	Copper	Bead, $\ell=0.91$, $w=1.15$, hole diameter-0.46
.092	490-205	1	Lithic	Shatter, Onondaga chert
.093	490-205	8	Lithic	Shatter, Onondaga chert, thermally altered
.094	490-205	1	Lithic	Secondary Knapping Flake, Onondaga chert
.095	490-205	1	Lithic	Secondary Retouch Flake, Onondaga chert
.096	490-206	1	Lithic	Shatter, Onondaga chert, thermally altered
.097	490-206	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.00$, $w=2.58$, $t=0.63$
.098	490-206	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=2.72$, $w=2.12$, $t=0.55$

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.099	490-206	1	Lithic	Biface base fragment, Onondaga chert, $\ell=3.47$, $w=3.69$, $t=0.94$, refitted with .368
.100	490-206	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=1.34$, $w=2.56$, $t=0.57$, refitted with .198
.101	490-207	1	Lithic	Shatter, Onondaga chert
.102	490-207	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.85$, $w=1.57$, $t=0.33$
.103	490-208	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.00$, $w=2.89$, $t=0.54$
.104	490-208	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.57$, $w=2.16$, $t=0.62$, refitted with .169
.105	491-200	1	Lithic	Secondary Knapping Flake, Onondaga chert
.106	491-201	1	Lithic	Shatter, Onondaga chert
.107	491-201	1	Lithic	Shatter, Onondaga chert, thermally altered
.108	491-201	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.91$, $w=1.49$, $t=0.59$
.109	491-201	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.00$, $w=2.72$, $t=0.60$, refitted with .110
.110	491-201	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.78$, $w=2.42$, $t=0.67$, refitted with .109
.111	491-202	1	Copper	Bead, $\ell=0.59$, $w=0.82$, hole diameter-0.30
.112	491-202	1	Lithic	Shatter, Onondaga chert
.113	491-202	3	Lithic	Shatter, Onondaga chert, thermally altered
.114	491-202	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.12$, $w=2.85$, $t=0.62$
.115	491-202	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.27$, $w=3.56$, $t=0.65$
.116	491-202	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.98$, $w=1.24$, $t=0.47$
.118	491-203	1	Copper	Bead, $\ell=0.77$, $w=0.95$, hole diameter-0.26
.119	491-203	1	Copper	Bead, $\ell=1.14$, $w=0.80$, hole diameter-0.25
.120	491-203	1	Copper	Bead, $\ell=0.91$, $w=0.70$, hole diameter-0.31
.121	491-203	5	Lithic	Shatter, Onondaga chert, thermally altered
.122	491-203	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.41$, $w=1.38$, $t=0.37$
.123	491-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=1.87$, $w=1.66$, $t=0.59$
.124	491-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.28$, $w=2.38$, $t=0.71$
.125	491-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.20$, $w=2.03$, $t=0.89$
.126	491-203	1	Lithic	Biface base fragment, Onondaga chert, $\ell=3.21$, $w=2.69$, $t=0.64$
.127	491-203	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.58$, $w=3.42$, $t=0.70$
.128	491-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.27$, width 1.69, $t=0.58$, refitted with .157
.129	491-203	1	Shell	Fossilized Bivalve, $\ell=1.38$, $w=1.60$
.130	491-204	1	Copper	Bead, $\ell=0.93$, $w=0.94$, hole diameter-0.28
.131	491-204	1	Copper	Bead, $\ell=0.64$, $w=0.91$, hole diameter-0.24
.132	491-204	12	Lithic	Shatter, Onondaga chert, thermally altered
.133	491-204	1	Lithic	Secondary Knapping Flake, Onondaga chert
.134	491-204	1	Lithic	Retouched Secondary Knapping Flake, Onondaga chert, thermally altered
.135	491-204	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.136	491-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.24$, $w=1.35$, $t=1.41$

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.137	491-204	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.44$, $w=1.42$, $t=0.53$
.138	491-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.34$, $w=1.85$, $t=0.45$
.139	491-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.12$, $w=0.72$, $t=0.48$
.140	491-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.76$, $w=1.92$, $t=0.59$
.141	491-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=0.97$, $w=1.46$, $t=0.40$
.142	491-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.45$, $w=1.65$, $t=0.49$
.143	491-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.16$, $w=2.50$, $t=0.57$
.144	491-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.23$, $w=2.62$, $t=0.56$, refitted with .164
.145	491-204	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=1.87$, $w=2.17$, $t=0.63$, refitted with .017 and .409
.146	491-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.96$, $w=3.41$, $t=0.93$
.147	491-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.37$, $w=2.42$, thickness-0.62
.148	491-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.65$, $w=2.16$, $t=0.55$
.149	491-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, length 1.64, $w=1.49$, $t=0.36$
.150	491-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, length 1.87, $w=2.61$, $t=0.59$, refitted with .386
.151	491-204	1	Bone	Indeterminate bone, calcined
.152	491-205	1	Copper	Bead, $\ell=0.55$, $w=0.81$, hole diameter-0.29
.153	491-205	1	Copper	Bead, $\ell=1.27$, $w=1.02$, hole diameter-0.26
.154	491-205	11	Lithic	Shatter, Onondaga chert, thermally altered
.155	491-205	1	Lithic	Secondary Retouch Flake, Onondaga chert
.156	491-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.67$, $w=2.59$, $t=0.74$
.157	491-205	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.08$, $w=1.30$, $t=0.48$, refitted with .128
.158	491-206	5	Lithic	Shatter, Onondaga chert, thermally altered
.159	491-206	1	Lithic	Shatter, Onondaga chert
.160	491-206	1	Lithic	Secondary Knapping Flake, Onondaga chert, thermally altered
.161	491-206	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.47$, $w=1.02$, $t=0.43$
.162	491-206	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.03$, $w=3.02$, $t=0.69$
.163	491-206	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.36$, $w=1.65$, $t=0.44$
.164	491-206	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.94$, $w=1.97$, $t=0.52$, refitted with .144
.165	491-207	1	Lithic	Secondary Knapping Flake, Onondaga chert
.166	491-207	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.10$, $w=1.72$, $t=0.56$
.167	491-207	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.33$, $w=2.75$, $t=0.71$

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Cat. #	Provenience	Qty	Material	Description
.168	491-207	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.12$, $w=1.70$, $t=0.56$
.169	491-207	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.71$, $w=1.79$, $t=0.61$, refitted with .104
.170	491-208	7	Lithic	Shatter, Onondaga chert, thermally altered
.171	491-208	1	Lithic	Secondary Knapping Flake, Onondaga chert
.172	491-208	1	Lithic	Primary Thinning Flake, Onondaga chert
.173	491-208	1	Lithic	Retouched Shatter, thermally altered
.174	492-200	2	Lithic	Shatter, Onondaga chert, thermally altered
.175	492-200	1	Lithic	Secondary Retouch Flake, Onondaga chert
.176	492-201	1	Lithic	Shatter, Onondaga chert, thermally altered
.177	492-201	1	Lithic	Secondary Knapping Flake, Onondaga chert, thermally altered
.178	492-202	1	Copper	Bead, $\ell=0.91$, $w=0.85$, hole diameter-0.36
.179	492-202	2	Lithic	Shatter, Onondaga chert, thermally altered
.180	492-202	1	Lithic	Secondary Knapping Flake, Onondaga chert
.181	492-202	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.47$, $w=0.74$, $t=0.50$
.182	492-202	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=3.12$, $w=2.04$, $t=0.63$
.183	492-202	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.77$, $w=1.85$, $t=0.40$, refitted with .262
.184	492-203	1	Copper	Bead, $\ell=0.64$, $w=0.80$, hole diameter-0.25
.185	492-203	1	Copper	Bead, $\ell=1.14$, $w=0.94$, hole diameter-0.25
.186	492-203	1	Copper	Bead, $\ell=1.24$, $w=1.21$, hole diameter-0.31
.187	492-203	1	Copper	Bead, $\ell=0.58$, $w=0.84$, hole diameter-0.35
.188	492-203	1	Copper	Bead, $\ell=1.24$, $w=1.16$, hole diameter-0.56
.189	492-203	1	Copper	Bead, $\ell=1.16$, $w=0.86$, hole diameter-0.29
.190	492-203	1	Copper	Bead, $\ell=0.78$, $w=1.02$, hole diameter-0.18
.191	492-203	14	Lithic	Shatter, Onondaga chert, thermally altered
.192	492-203	1	Lithic	Secondary Retouch Flake, Onondaga chert
.193	492-203	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.194	492-203	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.67$, $w=2.11$, $t=0.68$
.195	492-203	1	Lithic	Biface medial fragment, notched, Onondaga chert, thermally altered, $\ell=2.90$, $w=1.27$, $t=0.55$
.196	492-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.96$, $w=2.55$, $t=0.58$
.197	492-203	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.03$, $w=1.45$, $t=0.36$
.198	492-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.50$, $w=2.17$, $t=0.68$, refits with .100
.199	492-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.13$, $w=2.04$, $t=0.51$, refits with .212
.200	492-204	1	Copper	Bead, $\ell=1.25$, $w=1.11$, hole diameter-0.38
.201	492-204	1	Copper	Bead, $\ell=0.51$, $w=0.70$, hole diameter-0.16
.202	492-204	1	Copper	Bead, $\ell=0.73$, $w=1.80$, hole diameter-0.26
.203	492-204	1	Copper	Bead, $\ell=0.84$, $w=0.80$, hole diameter-0.31
.204	492-204	1	Copper	Bead, $\ell=1.32$, $w=0.95$, hole diameter-0.35
.205	492-204	13	Lithic	Shatter, Onondaga chert, thermally altered
.206	492-204	4	Lithic	Secondary Retouch Flake, Onondaga chert, thermally altered
.207	492-204	1	Lithic	Shatter, Trent Valley chert

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.208	492-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.61$, $w=1.46$, $t=0.48$
.209	492-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.06$, $w=1.25$, $t=0.52$
.210	492-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.97$, $w=2.45$, $t=0.63$
.211	492-204	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.70$, $w=3.22$, $t=0.70$
.212	492-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=0.91$, $w=1.18$, $t=0.35$, refitted with .199
.213	492-205	1	Copper	Bead, $\ell=1.35$, $w=1.03$, hole diameter-0.36
.214	492-205	1	Copper	Bead, $\ell=0.93$, $w=0.94$, hole diameter-0.50
.215	492-205	1	Copper	Bead, $\ell=0.87$, $w=1.00$, hole diameter-0.25
.216	492-205	1	Copper	Bead, $\ell=0.49$, $w=0.71$, hole diameter-0.28
.217	492-205	13	Lithic	Shatter, Onondaga chert, thermally altered
.218	492-205	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.219	492-205	1	Lithic	Secondary Knapping Flake, Onondaga chert, thermally altered
.220	492-205	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=2.21$, $w=2.04$, $t=0.52$
.221	492-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.25$, $w=2.06$, $t=0.55$
.222	492-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.16$, $w=1.66$, $t=0.46$, refitted with .318 and .400
.223	492-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.92$, $w=3.27$, $t=0.63$, refitted with .263 and .385
.224	492-206	1	Copper	Bead, $\ell=0.97$, $w=0.77$, hole diameter-0.35
.225	492-206	1	Copper	Bead, $\ell=0.88$, $w=0.77$, hole diameter-0.19
.226	492-206	1	Copper	Bead, $\ell=1.41$, $w=0.88$, hole diameter-0.31
.227	492-206	1	Copper	Bead, $\ell=0.84$, $w=0.93$, hole diameter-0.30
.228	492-206	9	Lithic	Shatter, Onondaga chert, thermally altered
.229	492-206	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.20$, $w=2.86$, $t=0.67$
.230	492-206	1	Lithic	Biface base fragment, Onondaga chert, $\ell=3.51$, $w=3.17$, $t=0.59$, refitted with .055
.231	492-207	1	Lithic	Shatter, Onondaga chert, thermally altered
.232	492-207	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.11$, $w=1.81$, $t=0.55$
.233	492-208	1	Lithic	Shatter, Onondaga chert, thermally altered
.234	492-208	1	Lithic	Shatter, Onondaga chert
.235	492-208	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.83$, $w=1.56$, $t=0.55$
.236	493-199	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.237	493-199	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, length 01.20, $w=1.66$, $t=0.35$
.238	493-199	1	Lithic	Unmodified rock, coarse grained fragment
.239	493-200	1	Lithic	Shatter, Onondaga chert, thermally altered
.240	493-200	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.65$, $w=2.47$, $t=0.66$
.241	493-201	1	Copper	Bead, $\ell=1.26$, $w=0.95$, hole diameter-0.29
.242	493-201	1	Copper	Bead, $\ell=0.84$, $w=1.10$, hole diameter-0.41
.243	493-201	4	Lithic	Shatter, Onondaga chert, thermally altered
.244	493-201	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered

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Cat. #	Provenience	Qty	Material	Description
.245	493-201	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.53$, $w=2.29$, $t=0.63$, refitted with .045
.246	493-202	1	Copper	Bead, $\ell=0.87$, $w=0.90$, $t=0.35$
.247	493-202	5	Lithic	Shatter, Onondaga chert, thermally altered
.248	493-202	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.64$, $w=1.35$, $t=0.67$
.249	493-202	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.00$, $w=1.88$, $t=0.45$
.250	493-203	1	Copper	Bead, $\ell=1.00$, $w=0.86$, hole diameter-0.31
.251	493-203	1	Copper	Bead, $\ell=1.06$, $w=1.04$, hole diameter-0.45
.252	493-203	13	Lithic	Shatter, Onondaga chert, thermally altered
.253	493-203	1	Lithic	Primary Reduction Flake, Onondaga Chert, thermally altered
.254	493-203	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.22$, $w=1.41$, $t=0.32$
.255	493-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.11$, $w=2.60$, $t=0.66$, refitted with .336
.256	493-204	1	Copper	Bead, $\ell=0.56$, $w=0.71$, hole diameter-0.19
.257	493-204	1	Copper	Bead, $\ell=1.83$, $w=1.97$, hole diameter-0.36
.258	493-204	5	Lithic	Shatter, Onondaga chert, thermally altered
.259	493-204	1	Lithic	Secondary Knapping Flake, retouched dorsal face, denticulated ventral face, Onondaga chert, thermally altered
.260	493-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.67$, $w=1.53$, $t=0.48$
.261	493-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.41$, $w=3.25$, $t=0.64$
.262	493-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.64$, $w=3.65$, $t=0.60$, refitted with .183
.263	493-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.98$, $w=2.07$, $t=0.58$, refitted with .223 and .385
.264	493-205	1	Copper	Bead, $\ell=4.43$, $w=0.59$, hole diameter-0.24
.265	493-205	1	Copper	Bead, $\ell=0.79$, $w=0.91$, hole diameter-0.31
.266	493-205	1	Copper	Bead, $\ell=0.54$, $w=0.85$, hole diameter-0.29
.267	493-205	1	Copper	Bead, $\ell=0.87$, $w=1.02$, hole diameter-0.36
.268	493-205	1	Copper	Bead, $\ell=1.21$, $w=0.98$, hole diameter-0.14
.269	493-205	1	Copper	Bead, $\ell=0.93$, $w=1.00$, hole diameter-0.48
.270	493-205	1	Copper	Bead, $\ell=0.99$, $w=0.79$, hole diameter-0.22
.271	493-205	1	Copper	Bead, $\ell=0.72$, $w=0.79$, hole diameter-0.34
.272	493-205	1	Copper	Bead, $\ell=1.27$, $w=1.09$, hole diameter-0.20
.273	493-205	1	Copper	Bead, $\ell=0.83$, $w=0.94$, hole diameter-0.31
.274	493-205	1	Copper	Bead, $\ell=1.20$, $w=0.90$, hole diameter-0.60
.275	493-205	10	Lithic	Shatter, Onondaga chert, thermally altered
.276	493-205	4	Lithic	Shatter, Onondaga chert
.277	493-205	1	Lithic	Shatter, Kettle Point chert
.278	493-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.79$, $w=2.29$, $t=0.71$
.279	493-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.16$, $w=1.53$, $t=0.52$
.280	493-205	2	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.281	493-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.92$, $w=2.95$

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.282	493-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=3.69$, $w=1.95$, $t=0.54$
.283	493-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.33$, $w=1.39$, $t=0.37$
.284	493-205	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.54$, $w=1.90$, $t=0.50$
.285	493-205	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.35$, $w=5.12$, $t=0.58$
.286	493-205	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.30$, $w=2.73$, $t=0.67$
.287	493-206	1	Copper	Bead, $\ell=1.41$, $w=1.00$, hole diameter-0.49
.288	493-206	1	Copper	Bead, $\ell=0.74$, $w=0.86$, hole diameter-0.18
.289	493-206	1	Copper	Bead, $\ell=0.90$, $w=1.17$, hole diameter-0.51
.290	493-206	1	Copper	Bead, $\ell=0.93$, $w=1.06$, hole diameter-0.31
.291	493-206	3	Lithic	Shatter, Onondaga chert, thermally altered
.292	493-206	1	Lithic	Shatter, Onondaga chert
.293	493-206	1	Lithic	Secondary Knapping Flake, Onondaga chert
.294	493-206	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.33$, $w=2.53$, $t=0.63$
.295	493-206	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.19$, $w=1.65$, $t=0.35$, refits with .364
.296	493-206	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=1.98$, $w=3.20$, $t=0.62$, refitted with .404
.297	493-207	5	Lithic	Shatter, Onondaga chert, thermally altered
.298	493-207	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.01$, $w=1.60$, $t=0.47$
.299	493-207	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.77$, $w=3.29$, $t=0.56$
.300	493-207	1	Lithic	Biface tip and medial, Haldimand chert, $\ell=4.87$, $w=2.65$, $t=0.71$
.301	493-208	1	Lithic	Shatter, Onondaga chert, thermally altered
.302	493-208	1	Lithic	Secondary Knapping Flake, Fossil Hill chert
.303	493-208	1	Lithic	Indeterminate, unmodified rock, bifacial cortex with bivalve fossil inclusions, water worn
.304	493-208	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=0.80$, $w=1.12$, $t=0.44$, refitted with .357
.305	493-208	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.17$, $w=1.32$, $t=0.43$, refitted with .393
.306	494-200	2	Lithic	Shatter, Onondaga chert, thermally altered
.307	494-200	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.43$, $w=1.96$, $t=0.55$
.308	494-200	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=3.85$, $w=2.26$, $t=0.79$
.309	494-200	1	Shell	Fragmentary bivalve
.310	494-201	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.10$, $w=1.38$, $t=0.46$
.311	494-201	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.50$, $w=2.57$, $t=0.61$
.312	494-201	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.60$, $w=3.17$, $t=0.72$, refitted with .468
.313	494-202	1	Copper	Bead, $\ell=1.59$, $w=1.21$, hole diameter-0.22
.314	494-202	1	Copper	Bead, $\ell=0.80$, $w=0.89$, hole diameter-0.25
.315	494-202	1	Copper	Bead, $\ell=0.42$, $w=0.61$, hole diameter-0.26

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.316	494-202	2	Lithic	Shatter, Onondaga chert, thermally altered
.317	494-202	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.17$, $w=2.07$, $t=0.44$
.318	494-202	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.46$, $w=2.18$, $t=0.70$, refitted with .222 and .400
.319	494-203	1	Copper	Bead, $\ell=0.93$, $w=1.14$, hole diameter-0.77
.320	494-203	1	Copper	Bead, $\ell=0.53$, $w=0.70$, hole diameter-0.31
.321	494-203	1	Copper	Bead, $\ell=0.88$, $w=0.72$, hole diameter-0.31
.322	494-203	1	Copper	Bead, $\ell=0.88$, $w=0.93$, hole diameter-0.30
.323	494-203	1	Copper	Bead, $\ell=0.81$, $w=0.89$, hole diameter-0.37
.324	494-203	1	Copper	Bead, $\ell=0.86$, $w=0.85$, hole diameter-0.64
.325	494-203	1	Copper	Bead, $\ell=0.42$, $w=0.66$, hole diameter-0.29
.326	494-203	12	Lithic	Shatter, Onondaga chert, thermally altered
.327	494-203	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.328	494-203	2	Lithic	Secondary Knapping Flake, Onondaga chert, thermally altered
.329	494-203	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.46$, $w=1.93$, $t=0.32$
.330	494-203	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.43$, $w=1.42$, $t=0.37$
.331	494-203	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=3.29$, $w=2.29$, $t=0.52$
.332	494-203	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=2.50$, $w=1.80$, $t=0.51$
.333	494-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.90$, $w=2.34$, $t=0.57$
.334	494-203	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.71$, $w=3.24$, $t=0.66$
.335	494-203	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.70$, $w=2.00$, $t=0.72$
.336	494-203	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=3.27$, $w=3.16$, $t=0.69$, refitted with .255
.338	494-204	1	Copper	Bead, $\ell=1.53$, $w=1.10$, hole diameter-0.35
.339	494-204	1	Copper	Bead, $\ell=0.63$, $w=0.76$, hole diameter-0.25
.340	494-204	1	Copper	Bead, $\ell=0.95$, $w=1.00$, hole diameter-0.34
.341	494-204	1	Copper	Awl, tip fragment $\ell=1.93$, $w=0.32$
.342	494-204	4	Lithic	Shatter Onondaga chert, thermally altered
.343	494-204	3	Lithic	Shatter Onondaga chert
.344	494-204	3	Lithic	Retouched Shatter Onondaga chert, thermally altered
.345	494-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.48$, $w=1.70$, $t=0.51$
.346	494-204	1	Lithic	End scraper, fragment, retouched along end and down sides, possible biface, Onondaga chert, $\ell=1.64$, $w=0.34$, $t=0.49$
.347	494-205	1	Copper	Bead, $\ell=1.16$, $w=0.91$, hole diameter-0.36
.348	494-205	1	Copper	Bead, $\ell=1.33$, $w=1.03$, hole diameter-0.36
.349	494-205	1	Copper	Bead, $\ell=1.17$, $w=1.32$, hole diameter-0.53
.350	494-205	1	Copper	Bead, $\ell=1.21$, $w=0.94$, hole diameter-0.30
.351	494-205	1	Copper	Bead, $\ell=0.55$, $w=0.89$, hole diameter-0.36
.352	494-205	7	Lithic	Shatter, Onondaga chert, thermally altered
.353	494-205	2	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.354	494-205	1	Lithic	Secondary Retouch Flake, Onondaga chert
.355	494-205	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.98$, $w=3.15$, $t=0.69$
.356	494-205	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.26$, $w=3.62$, $t=0.59$

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Cat. #	Provenience	Qty	Material	Description
.357	494-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.46$, $w=2.51$, $t=0.67$, refitted with .304
.358	494-205 (bulk)	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.04$, $w=1.16$, $t=0.41$
.359	494-206	2	Lithic	Shatter, Onondaga chert
.360	494-206	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.42$, $w=3.05$, $t=0.53$
.361	494-206	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.57$, $w=3.02$, $t=0.79$
.362	494-206	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.27$, $w=1.84$, $t=0.50$
.363	494-207	2	Lithic	Shatter, Onondaga chert
.364	494-207	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=3.58$, $w=2.74$, $t=0.63$, refitted with .295
.365	494-208	1	Copper	Bead, $\ell=0.79$, $w=0.89$, hole diameter-0.38
.366	494-208	1	Lithic	Shatter, Onondaga chert, thermally altered
.367	494-208	2	Lithic	Secondary Knapping Flakes, Onondaga chert
.368	494-208	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=5.32$, $w=3.50$, $t=0.92$, refitted with 0.99
.369	494-209	1	Lithic	Shatter, Onondaga chert, thermally altered
.370	494-209	1	Lithic	Shatter, Onondaga chert
.371	494-209	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.47$, $w=1.87$, $t=0.61$
.372	495-201	1	Lithic	Retouched Shatter, Onondaga chert
.373	495-202	1	Copper	Bead, $\ell=0.68$, $w=0.67$, hole diameter-0.25
.374	495-202	1	Copper	Bead, $\ell=1.58$, $w=0.97$, hole diameter-0.42
.375	495-202	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=3.20$, $w=2.49$, $t=0.62$, refitted with .381
.376	495-203	4	Lithic	Shatter, Onondaga chert
.377	495-203	1	Lithic	Shatter, Onondaga chert, thermally altered
.378	495-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.12$, $w=2.30$, $t=0.48$
.379	495-203	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.44$, $w=2.11$, $t=0.63$
.380	495-203	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.37$, $w=2.87$, $t=0.64$
.381	495-203	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=1.09$, $w=1.46$, $t=0.47$, refitted with .375
.382	495-204	3	Lithic	Shatter, Onondaga chert, thermally altered
.383	495-204	1	Lithic	Shatter, Onondaga chert
.384	495-204	1	Lithic	Secondary Knapping Flake, Onondaga chert, thermally altered
.385	495-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.17$, $w=3.00$, $t=0.63$, refitted with .223 and .263
.386	495-204	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=4.05$, $w=2.63$, $t=0.60$, refitted with .150
.387	495-205	1	Copper	Bead, $\ell=0.98$, $w=0.89$, hole diameter-0.41
.388	495-205	1	Lithic	Shatter, Flint Ridge chert
.389	495-206	1	Lithic	Shatter, Onondaga chert, thermally altered
.390	495-206	2	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.391	495-207	6	Lithic	Shatter, Onondaga chert, thermally altered
.392	495-207	1	Lithic	Secondary Retouch Flake, Onondaga chert, thermally altered
.393	495-207	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.71$, $w=2.27$, $t=0.66$, refitted with .305
.394	495-208	1	Copper	Bead, $\ell=0.80$, $w=0.81$, hole diameter-0.17

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Cat. #	Provenience	Qty	Material	Description
.395	495-208	2	Lithic	Shatter, Fossil Hill chert
.396	495-208	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=3.73$, $w=2.50$, $t=0.61$
.397	495-209	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.23$, $w=2.42$, $t=0.58$
.398	496-202	1	Lithic	Shatter, Onondaga chert, thermally altered
.399	496-202	1	Lithic	Shatter, Onondaga chert
.400	496-202	1	Lithic	Biface base fragment, Onondaga chert, thermally altered $\ell=2.99$, $w=3.43$, $t=0.63$, refitted with .222 and .318
.401	496-203	3	Lithic	Shatter, Onondaga chert, thermally altered
.402	496-204	1	Copper	Bead, $\ell=0.68$, $w=0.79$, hole diameter-0.36
.403	496-204	1	Lithic	Biface, missing tip, Onondaga chert, thermally altered, $\ell=4.19$, $w=3.40$, $t=0.78$
.404	496-205	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.34$, $w=1.62$, $t=0.46$, refitted with .296
.405	496-206	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.68$, $w=2.89$, $t=0.71$, refitted with .416
.406	496-207	1	Lithic	Shatter, Onondaga chert, thermally altered
.407	496-207	1	Lithic	Shatter, Fossil Hill chert
.408	496-208	1	Lithic	Shatter, Onondaga chert, thermally altered
.409	496-208	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.81$, $w=2.58$, $t=0.75$, refitted with .017 and .145
.410	497-203	1	Lithic	Shatter, Onondaga chert, thermally altered
.411	497-203	1	Lithic	Secondary Knapping Flake, Onondaga chert , thermally altered
.412	497-203	1	Lithic	Secondary Retouch Flake, Onondaga chert , thermally altered
.413	497-203	8	Bone	Indeterminate bone, calcined
.414	497-203	1	Metal	Historic, cut nail shaft
.415	497-204	2	Lithic	Shatter, Onondaga chert, thermally altered
.416	497-204	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.66$, $w=2.81$, $t=0.71$, refitted with .405
.417	497-206	1	Copper	Fishhook $\ell=11.00$, diameter-0.45
.418	497-206	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.419	497-206	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.94$, $w=2.32$, $t=0.57$
.420	497-207	1	Lithic	Secondary Retouch Flake, Onondaga chert
.421	497-208	1	Copper	Bead, $\ell=0.40$, $w=0.70$, hole diameter-0.20
.422	497-208	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=1.76$, $w=1.43$, $t=0.41$
.423	498-203	2	Lithic	Shatter, Onondaga chert , thermally altered
.424	498-203	2	Lithic	Retouched Shatter, Onondaga chert
.425	498-203	11	Bone	Indeterminate bone, calcined
.426	498-204	1	Copper	Awl, complete $\ell=5.55$, $w=0.45$
.427	498-204	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=2.06$, $w=1.55$, $t=0.54$
.428	498-204	1	Lithic	Unmodified rock, course grained fragment
.429	498-205	1	Lithic	Shatter, Onondaga chert, thermally altered
.430	502-201	2	Lithic	Shatter, Onondaga chert, thermally altered
.431	502-201	1	Lithic	Secondary Retouch Flake, Onondaga chert
.432	Feature 1	1	Copper	Bead, $\ell=0.92$, $w=1.11$, hole diameter-2.28
.433	Feature 1	1	Copper	Bead, $\ell=1.10$, $w=1.11$, hole diameter-0.32
.434	Feature 1	1	Copper	Bead, $\ell=0.87$, $w=1.12$, hole diameter-0.29

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Cat. #	Provenience	Qty	Material	Description
.435	Feature 1	1	Copper	Bead, $\ell=0.75$, $w=0.64$, hole diameter-0.32
.436	Feature 1	1	Copper	Bead, $\ell=1.00$, $w=1.22$, hole diameter-0.46
.437	Feature 1	1	Copper	Bead, $\ell=1.15$, $w=0.95$, hole diameter-0.31
.438	Feature 1	1	Copper	Bead, $\ell=1.20$, $w=1.05$, hole diameter-0.33
.439	Feature 1	1	Copper	Bead, $\ell=0.73$, $w=0.76$, hole diameter-0.31
.440	Feature 1	1	Copper	Bead, $\ell=0.78$, $w=0.81$, hole diameter-0.24
.441	Feature 1	1	Copper	Bead, $\ell=0.98$, $w=0.89$, hole diameter-0.26
.442	Feature 1	1	Copper	Bead, $\ell=1.16$, $w=1.02$, hole diameter-0.35
.443	Feature 1	1	Copper	Bead, $\ell=0.98$, $w=0.82$, hole diameter-0.29
.444	Feature 1	1	Copper	Bead, $\ell=0.36$, $w=0.45$, hole diameter-0.15
.445	Feature 1	1	Copper	Bead, $\ell=0.73$, $w=0.97$, hole diameter-0.39
.446	Feature 1	1	Copper	Bead, $\ell=1.22$, $w=1.11$, hole diameter-0.37
.447	Feature 1	1	Copper	Bead, $\ell=0.63$, $w=0.94$, hole diameter-0.28
.448	Feature 1	1	Copper	Bead, $\ell=0.80$, $w=0.74$, hole diameter-0.29
.449	Feature 1	1	Copper	Bead, $\ell=0.60$, $w=0.76$, hole diameter-0.24
.450	Feature 1	1	Copper	Bead, $\ell=1.00$, $w=1.12$, hole diameter-0.25
.451	Feature 1	1	Copper	Bead, fragment, $\ell=0.32$, $w=0.43$
.452	Feature 1, 490-200	57	Lithic	Shatter, Onondaga chert, thermally altered
.453	Feature 1, 490-200	2	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.454	Feature 1, 490-200	1	Lithic	Retouched Shatter, Onondaga chert
.455	Feature 1, 490-200	3	Lithic	Secondary Retouch Flake, Onondaga chert
.456	Feature 1, 490-200	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.08$, $w=3.25$, $t=0.36$
.457	Feature 1, 490-200	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.72$, $w=1.89$, $t=0.49$
.458	Feature 1, 490-200	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.80$, $w=1.55$, $t=0.46$
.459	Feature 1, 490-200	1	Lithic	Biface base fragment, Onondaga chert, thermally altered, $\ell=1.98$, $w=2.92$, $t=0.63$
.460	Feature 1, 490-200	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=3.40$, $w=2.24$, $t=0.62$
.461	Feature 1, 490-200	1	Lithic	Biface medial fragment, Onondaga chert, $\ell=0.97$, $w=2.01$, $t=0.55$
.462	Feature 1, 490-200	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.20$, $w=1.24$, $t=0.48$
.463	Feature 1, 490-200	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=1.71$, $w=1.52$, $t=0.55$
.464	Feature 1, 490-200	1	Lithic	Biface medial fragment, Onondaga chert, thermally altered, $\ell=2.71$, $w=2.92$, $t=0.64$, refitted with .030
.465	Feature 1, 490-200	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.81$, $w=2.48$, $t=0.56$
.466	Feature 1, 490-200	1	Lithic	Biface tip fragment, Onondaga chert, $\ell=2.66$, $w=2.07$, $t=0.62$
.467	Feature 1, 490-200	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.44$, $w=2.30$, $t=0.35$
.468	Feature 1, 490-200	1	Lithic	Biface tip fragment, Onondaga chert, thermally altered, $\ell=2.83$, $w=2.60$, $t=0.72$, refitted with .312

TABLE 2: Graham Site (AkGx-41) Artifact Catalogue				
Cat. #	Provenience	Qty	Material	Description
.469	Feature 1	1	Bone	Indeterminate bone, calcined
.470	Feature 2, 490-200	1	Lithic	Unmodified rock, course grained fragment
.471	Feature 2, fill		Charcoal	Charcoal fragments
.472	Feature 2, 10cm deep, SW side		Charcoal	Charcoal fragments
.473	Feature 3	1	Lithic	Biface base fragment, Onondaga chert, $\ell=2.15$, $w=3.34$, $t=0.77$
.474	Feature 4	2	Lithic	Shatter, Onondaga chert, thermally altered
.475	Feature 4	1	Lithic	Retouched Shatter, Onondaga chert, thermally altered
.476	Feature 4	137	Bone	Indeterminate bone, calcined
.477	Feature 4	3	Bone	Indeterminate bone
.478	Feature 4	1	Bone	Indeterminate tooth fragment
.479	Feature 4	1	Shell	Bivalve fragment, thermally altered

TABLE 3: Graham Site (AkGx-41) Artifact Summary		
Lithic Type	Count	Percent of Assemblage
Shatter	343	38%
Retouched Shatter	35	4%
Secondary Retouch Flake	22	2%
Secondary Knapping Flake	24	3%
Primary Thinning Flake	1	0%
Primary Reduction Flake	1	0%
Unmodified Rocks	19	2%
Biface tip fragment	57	6%
Biface medial fragment	70	8%
Biface base fragment	53	6%
Complete Biface	1	0%
Bone	162	18%
Shell	3	0%
Copper Bead, Needle, etc.	107	12%
Other	6	1%
Total	904	100%

TABLE 4: Graham Site (AkGx-41) Biface Summary			
Biface Type	Count	Percent of Bifaces	Percent of Assemblage
Biface tip fragment	57	31%	6%
Biface medial fragment	70	39%	8%
Biface base fragment	53	29%	6%
Complete Biface	1	1%	0%
Total	181	100%	20%

TABLE 5: Graham Site (AkGx-41) Biface Refits			
	Tip	Medial	Base
1	487-203 (.017)	491-204 (.145)	496-208 (.409)
2		Feature 1 (.464)	488-206 (.030)
3	489-204 (.045)	493-201 (.245)	
4	489-205 (.055)		492-206 (.230)
5		490-206 (.100), 492-203 (.198)	
6	491-207 (.169)	490-208 (.104)	
7	494-208 (.368)		490-206 (.099)
8		491-201 (.109), 491-201 (.110)	
9		491-203 (.128)	491-205 (.157)
10	495-204 (.386)		491-204 (.150)
11		491-204 (.144)	491-206 (.164)
12			492-202 (.183), 493-204 (.262)
13	492-204 (.212)	492-203 (.199)	
14	493-204 (.263)	492-205 (.223)	495-204 (.385)
15	492-205 (.222)	494-202 (.318)	496-202 (.400)
16		493-203 (.255)	494-203 (.336)
17		493-206 (.296), 496-205 (.404)	
18	493-206 (.295)	494-207 (.364)	
19	493-208 (.304)	494-205 (.357)	
20	493-208 (.305)	495-207 (.393)	
21	Feature 1 (.468)	494-201 (.312)	
22	495-203 (.381)	495-202 (.375)	
23		496-206 (.405), 497-204 (.416)	

TABLE 6: Graham Site (AkGx-41) Bead Statistics			
Dimension	Mean	Maximum	Standard Deviation
Length	0.98	4.43	0.51
Width	0.92	1.97	0.22
Hole Diameter	0.34	2.28	0.22

**APPENDIX B: SITE MAPS INDICATING LOCATION OF BLOCK EXCAVATION, TEST
UNIT ARTIFACT YIELDS, AND FEATURE LOCATIONS**

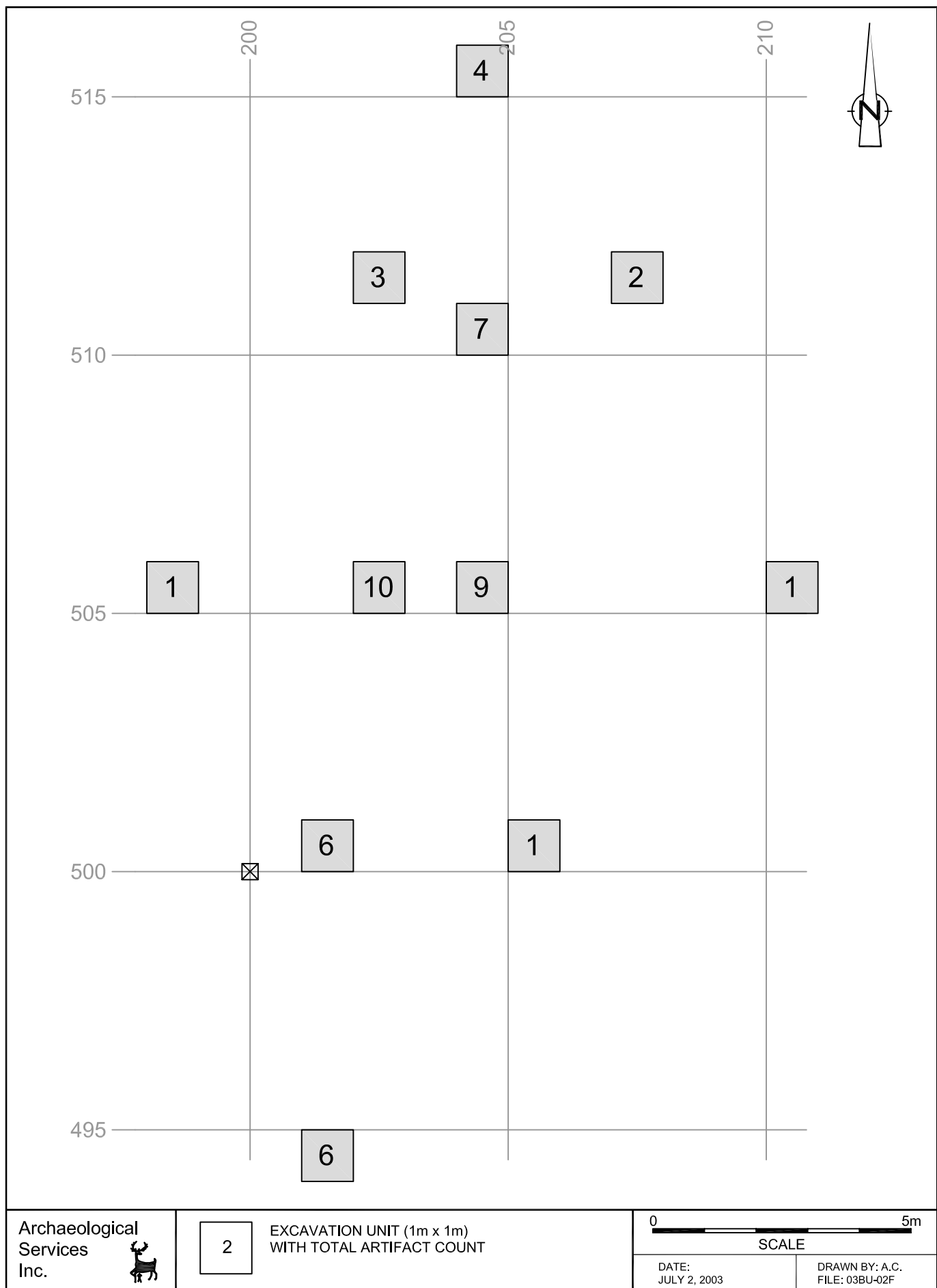
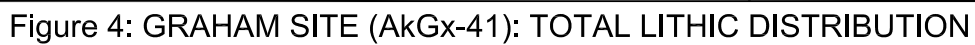


Figure 3: Unit Excavation of site (AkGx-40):



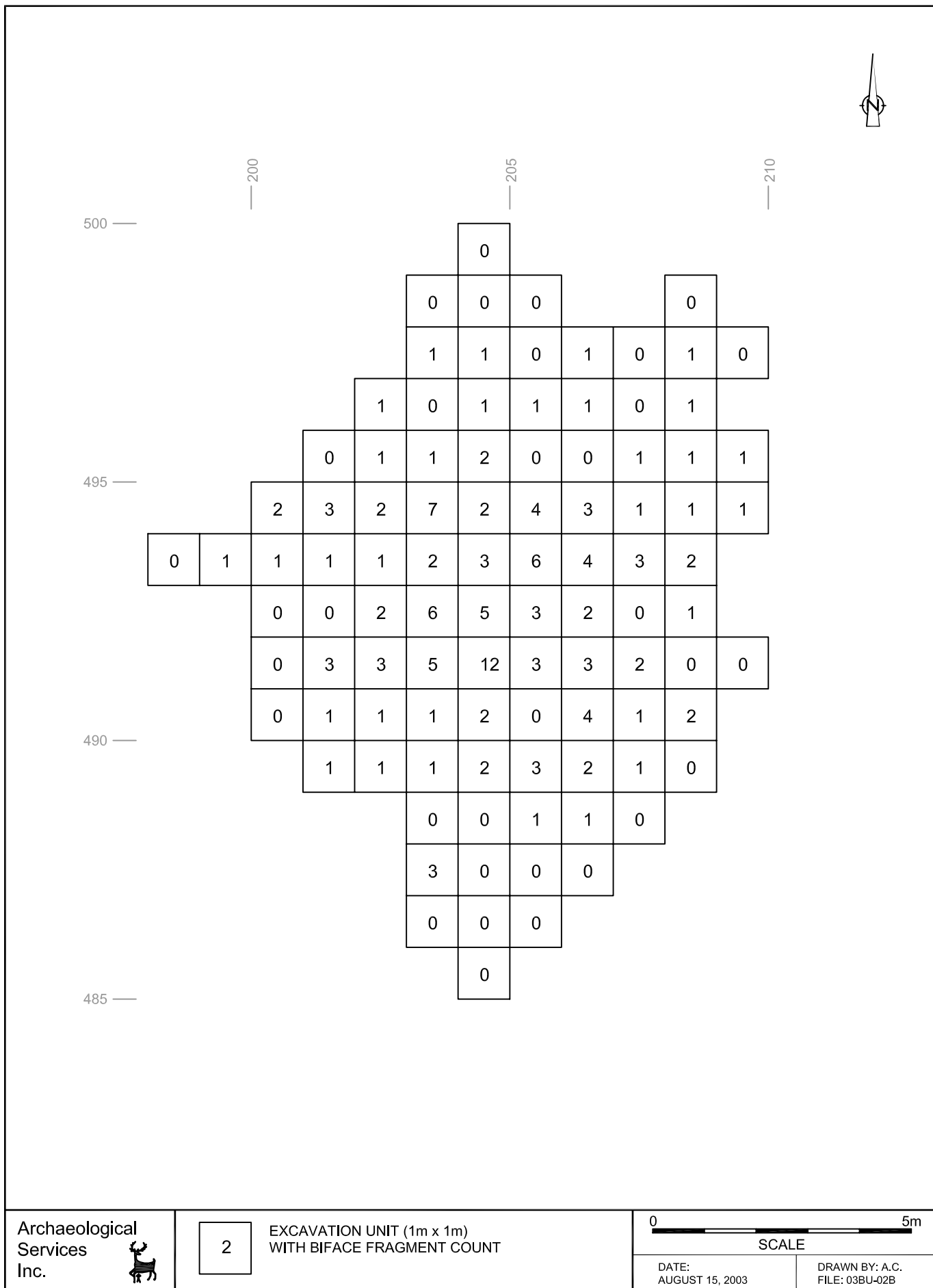


Figure 5: GRAHAM SITE (AkGx-41): BIFACE FRAGMENT DISTRIBUTION

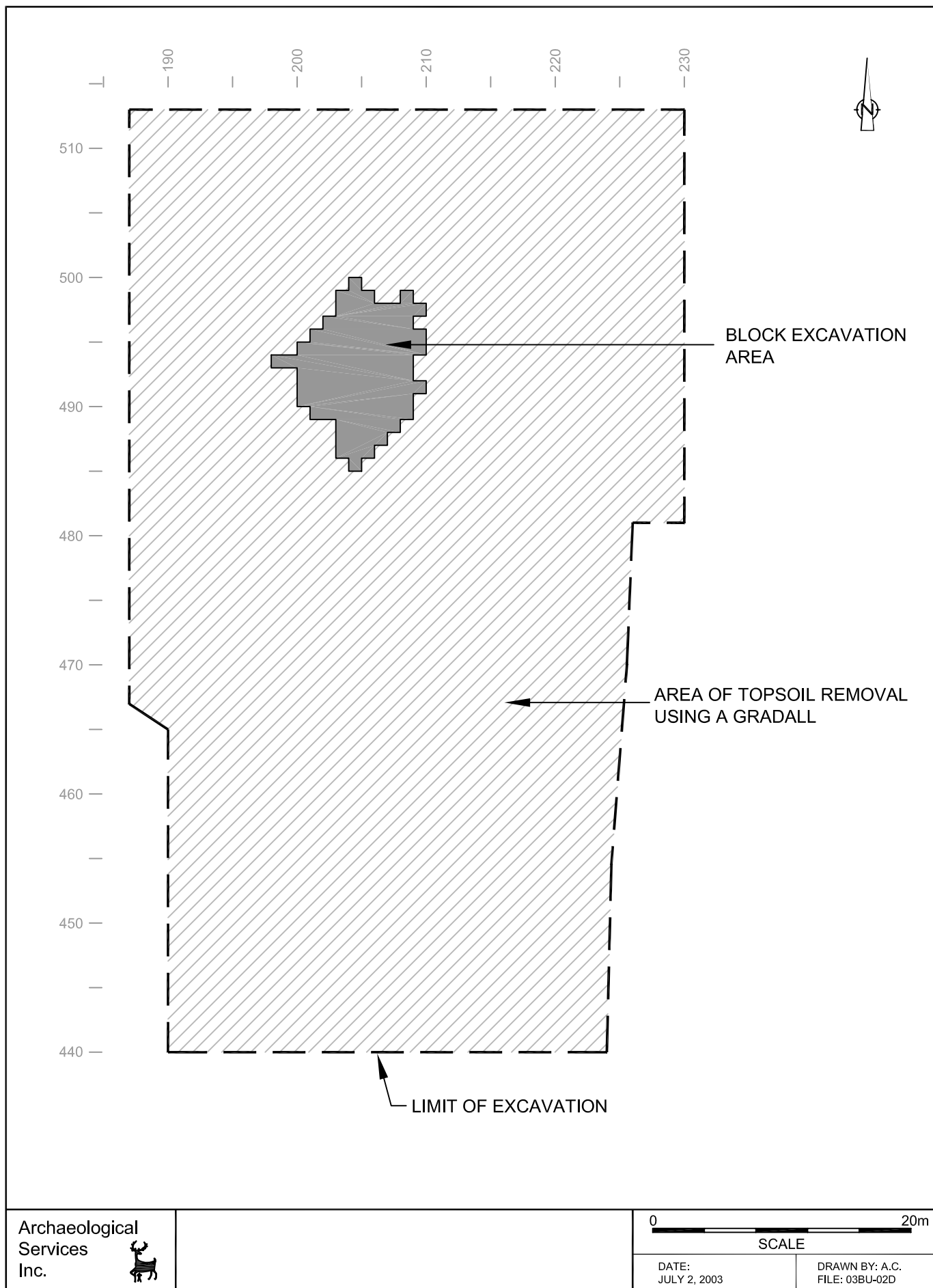


FIGURE 7 : GRAHAM SITE (AkGx-41): LIMIT OF EXCAVATION

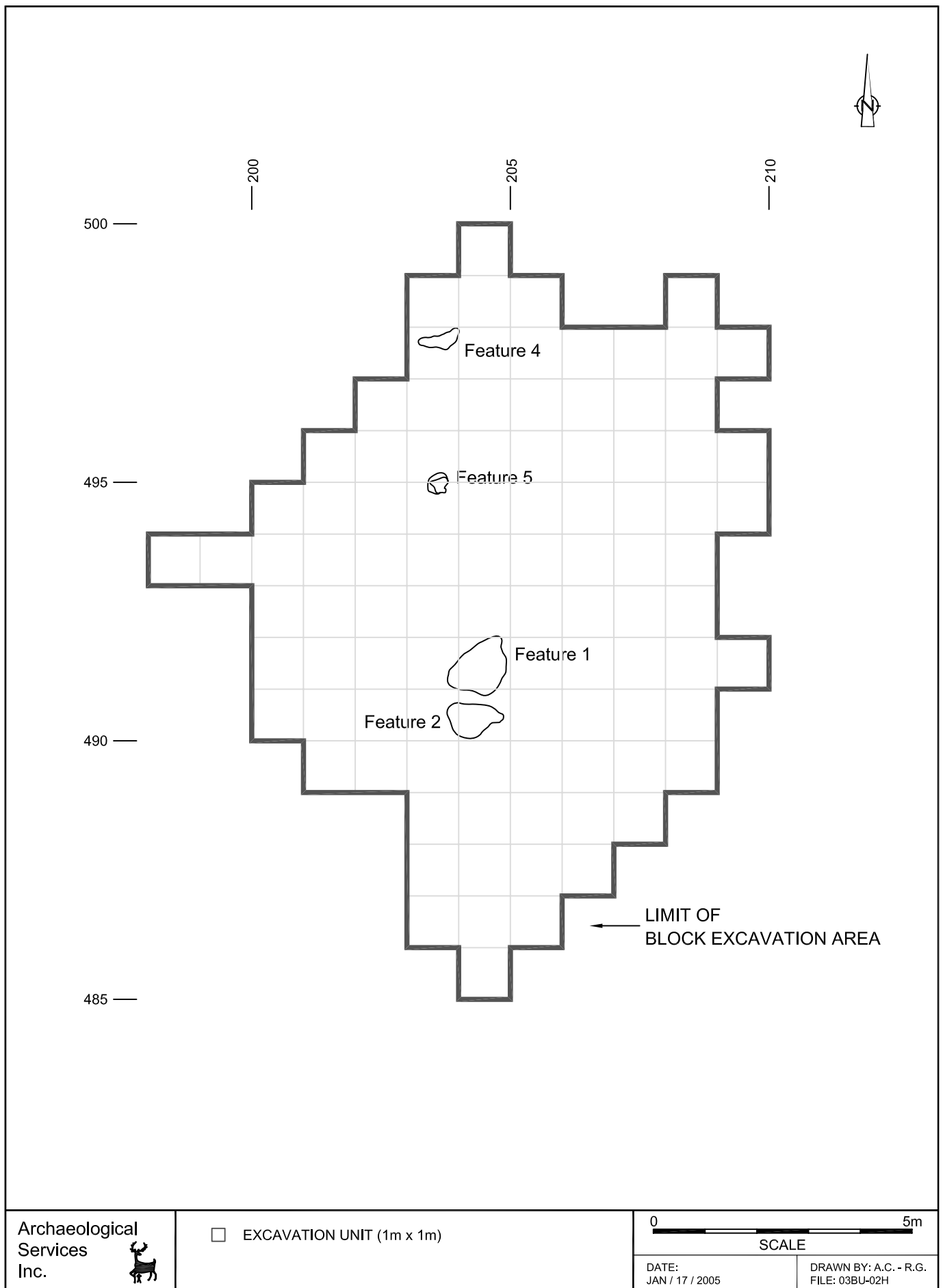


FIGURE 8 : GRAHAM SITE (AkGx-41) FEATURE LOCATION WITHIN BLOCK EXCAVATION

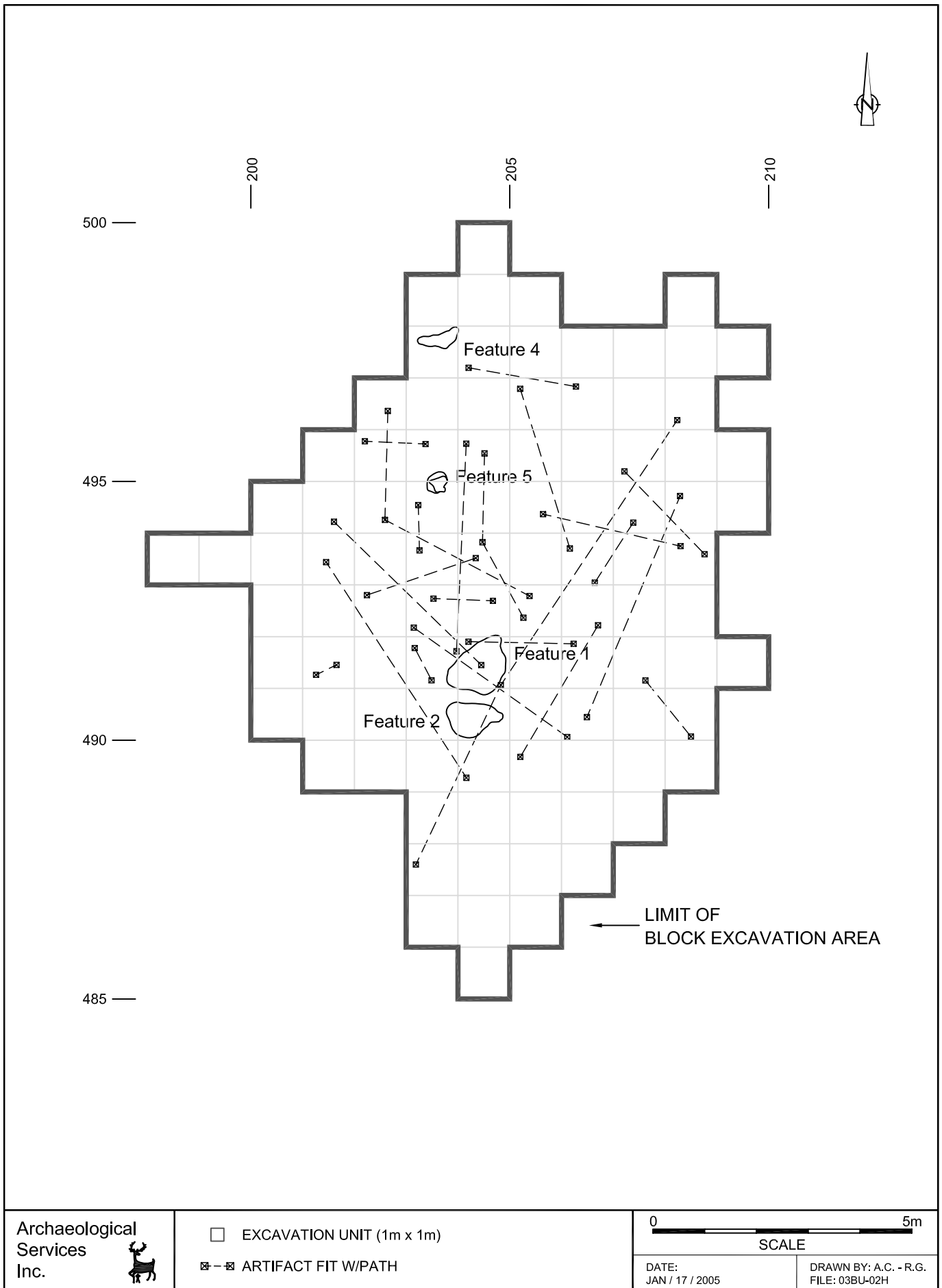
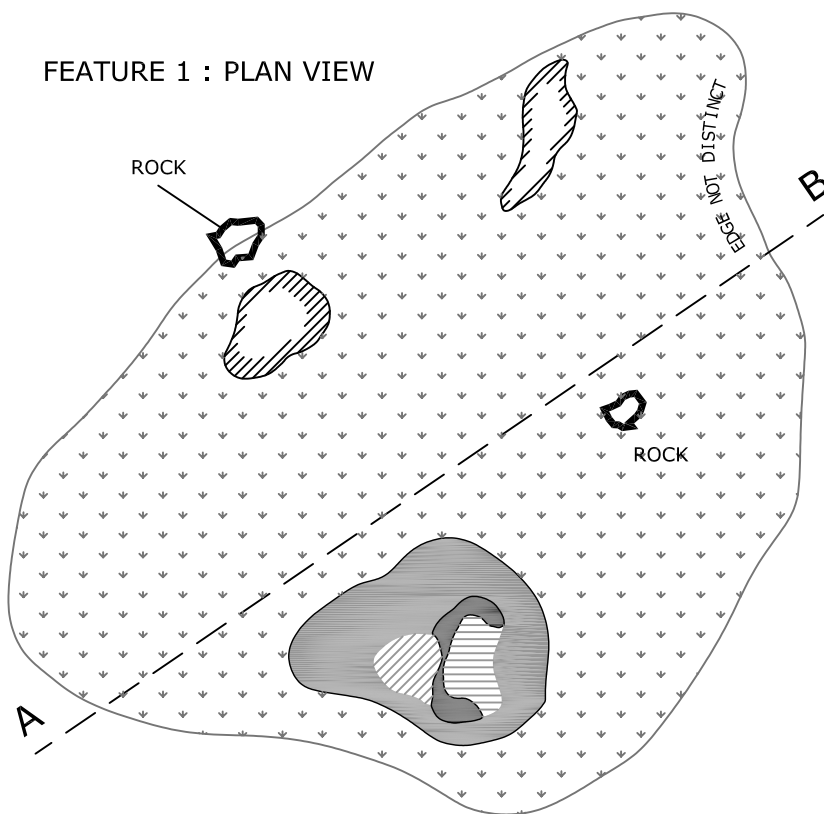






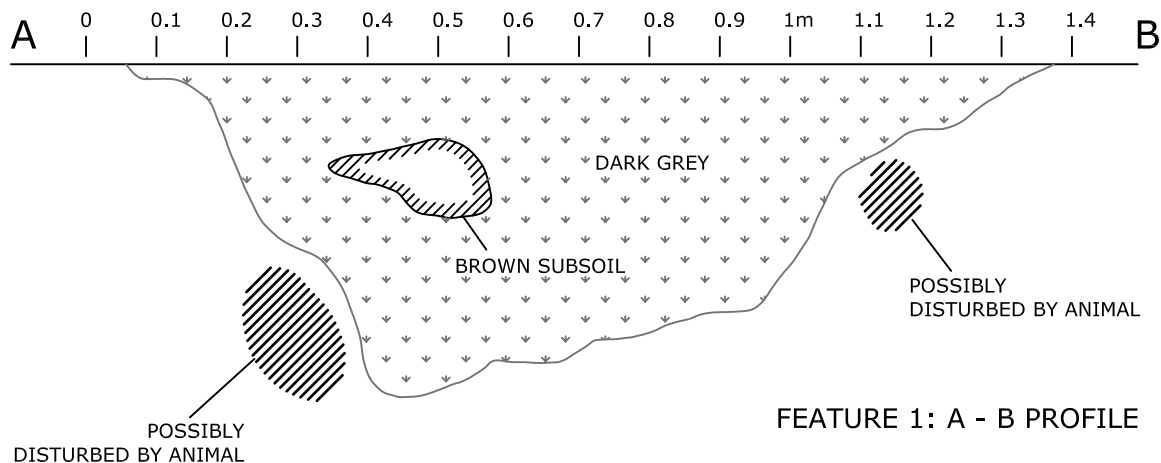


FIGURE 9 : GRAHAM SITE (AkGx-41) LOCATION OF BIFACE REFITS

FEATURE 1 : PLAN VIEW



-  SUBSOIL
-  CHARCOAL
-  MOTTLED CHARCOAL
-  MOTTLED CHARCOAL/GREY
-  MOTTLED GREY
-  GREY



FEATURE 1: A - B PROFILE

FEATURE 2 : PLAN VIEW

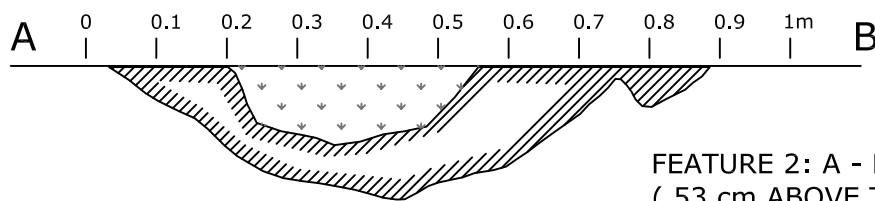
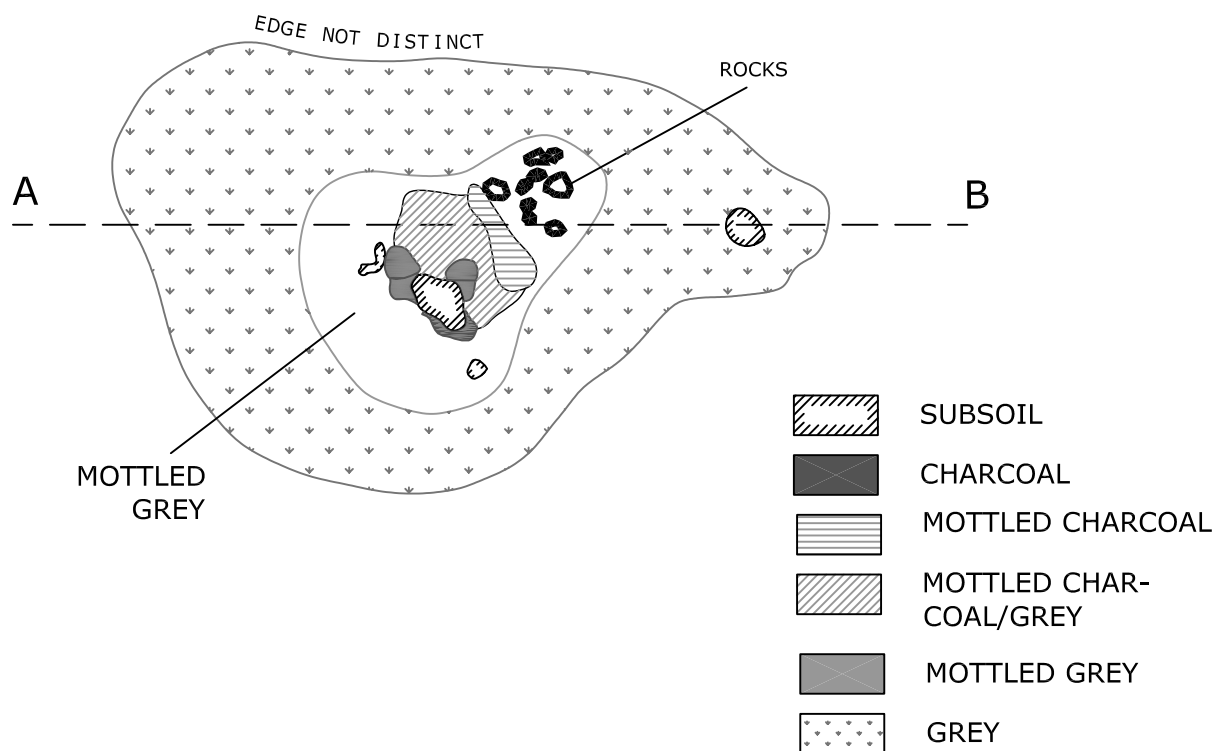


FIGURE 11: GRAHAM SITE (AkGx-41) FEATURE 2: PLAN VIEW AND PROFILE

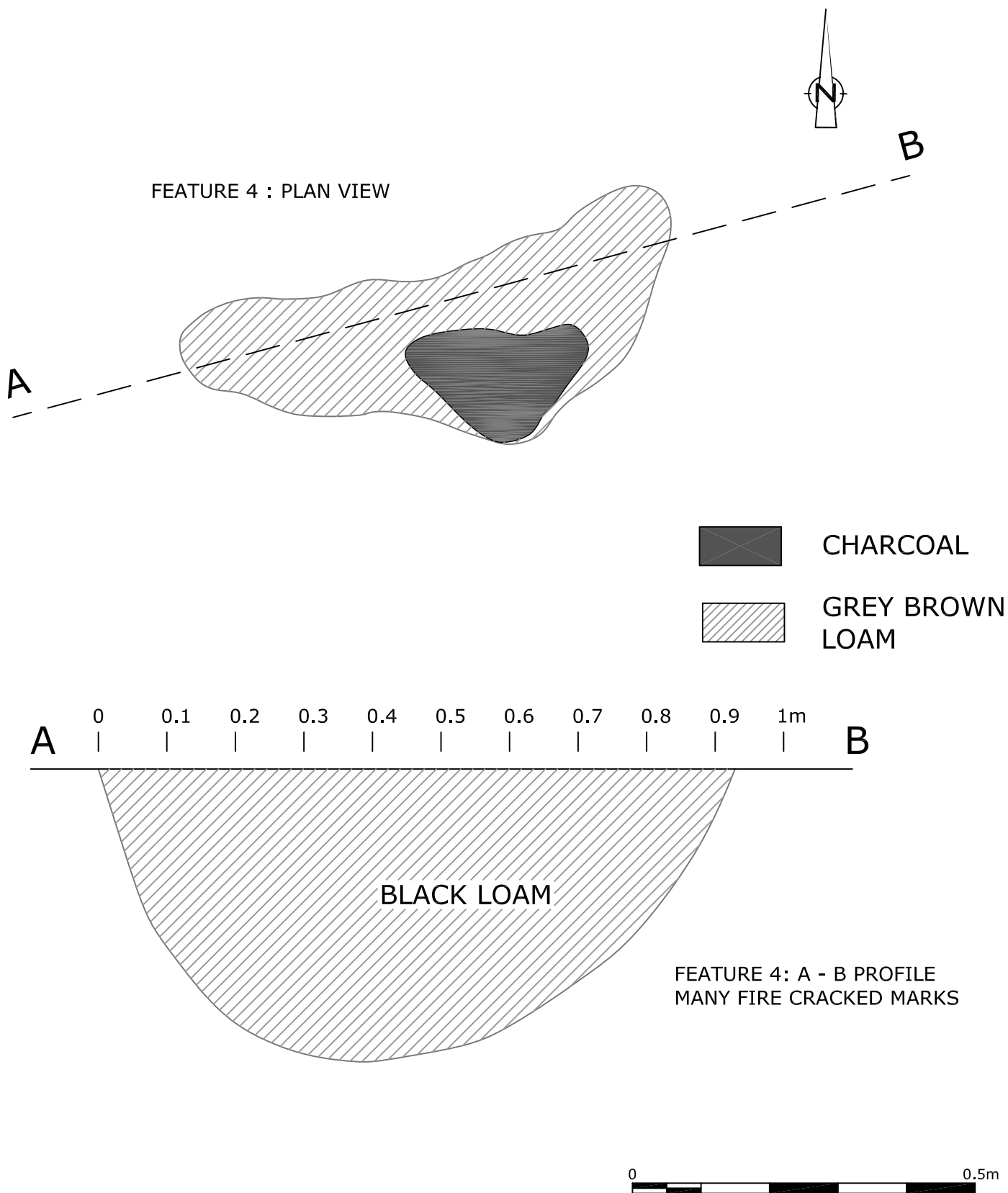


FIGURE 12: GRAHAM SITE (AkGx-41): FEATURE 4: PLAN VIEW AND PROFILE

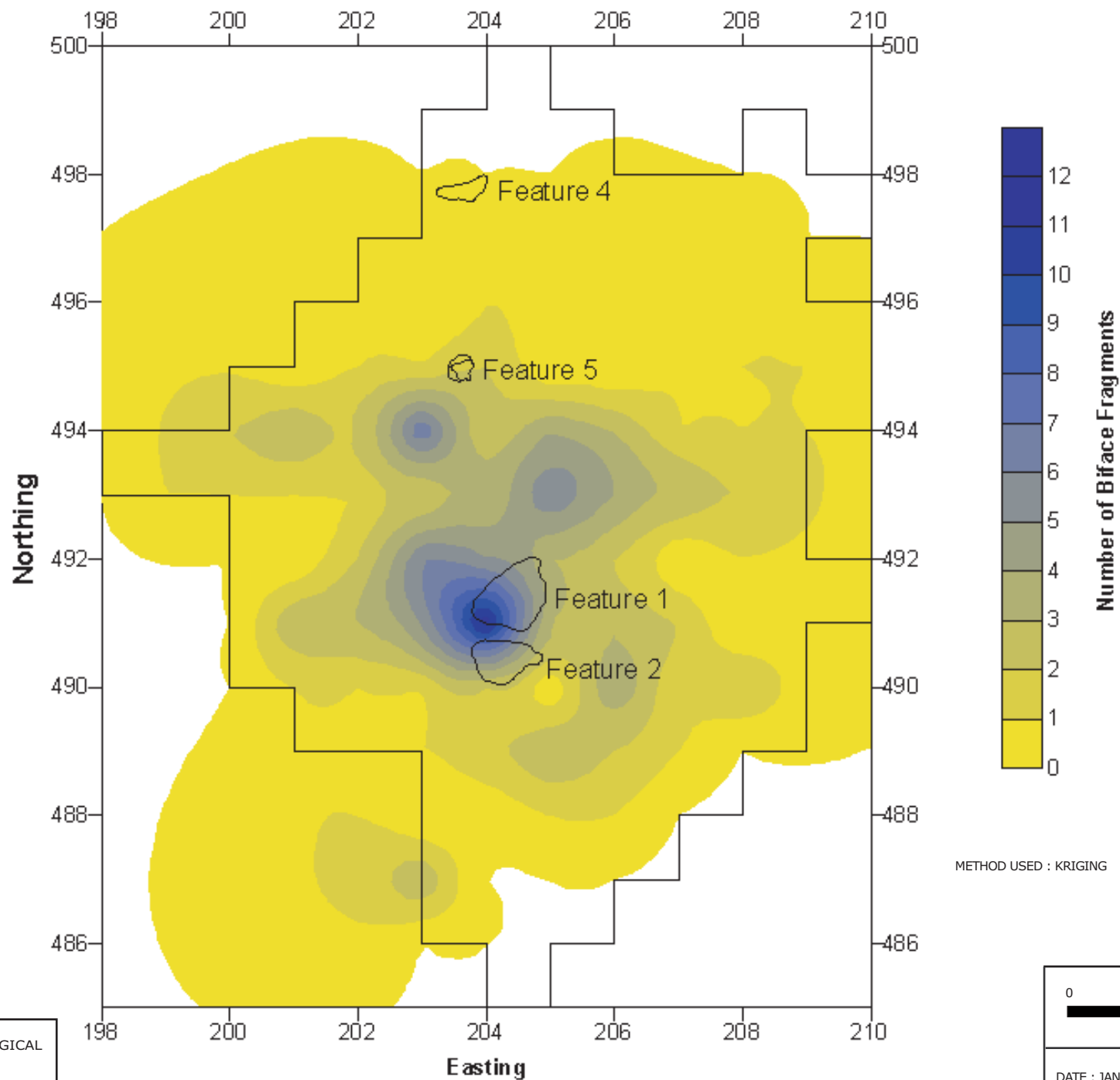


FIGURE 13: GRAHAM SITE (AkGx-41): FRAGMENT DISTRIBUTION

FIGURE 14: GRAHAM SITE (AkGx-41) COPPER BEAD LENGTHS

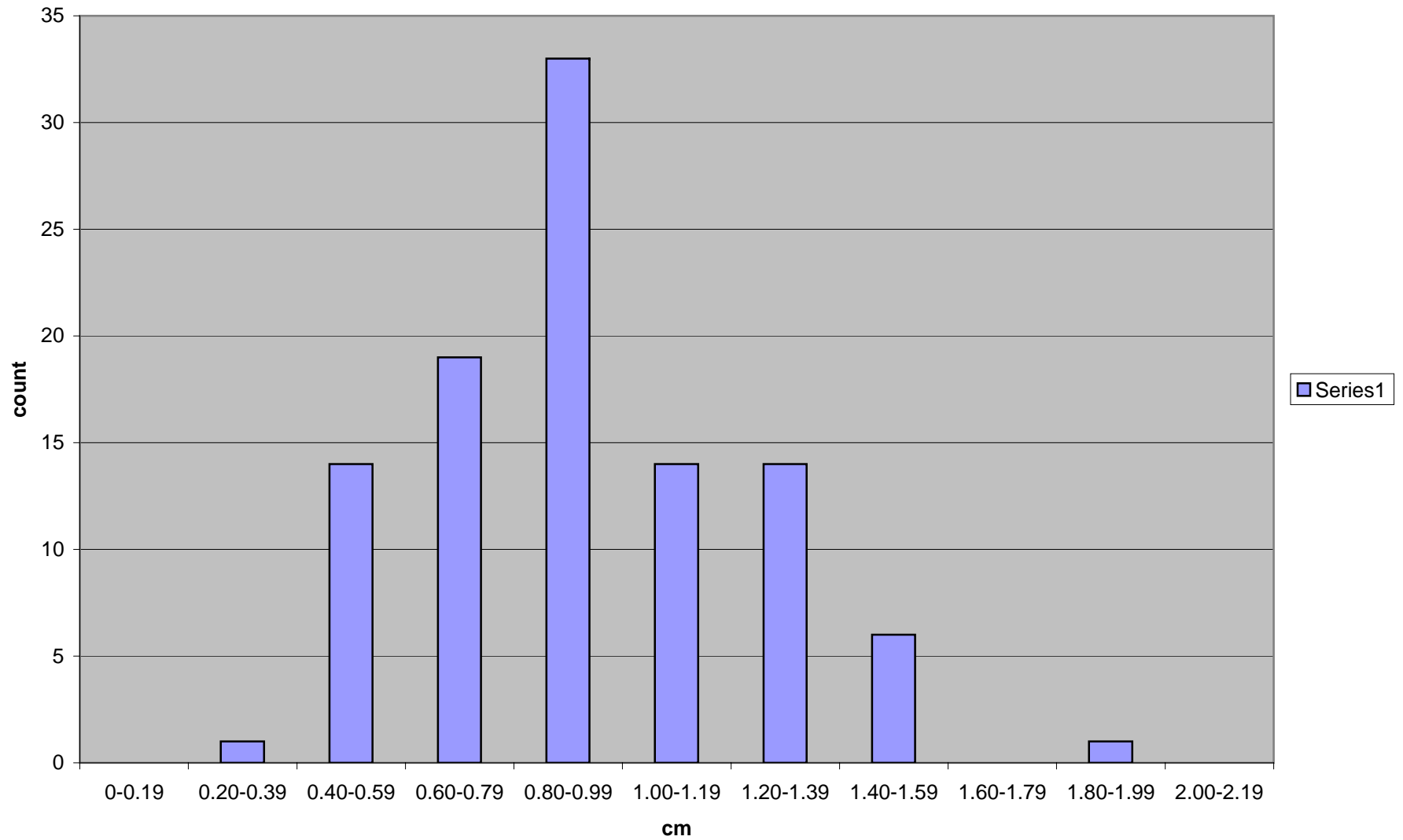


FIGURE 15: GRAHAM SITE (AkGx-41) COOPER BEAD PLOT OF LENGTH VS. WIDTH

