Archaeological Salvage Excavation of the GhGk-63 site, 1991, Kuujjuarapik, Nunavik

Presented to:

Municipality of Kuujjuarapik

By:

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Résumé

Une fouille de sauvetage archéologique a été réalisée en 1991 sur le site dorsétien GhGk-63 situé dans la municipalité de Kuujjuarapik, dans la partie sud-est de la baie d'Hudson. Ce projet représente la deuxième saison consécutive d'activités de sauvetage sur ce site. Les fouilles ont été organisées à la requête de la municipalité dans le but de sauvegarder l'information archéologique mise en péril par l'éventuelle utilisation de l'emplacement pour la formation d'opérateurs de véhicules lourds.

Le site GhGk-63 comprend trois habitations semi-souterraines, six structures de tente et quatre aménagements particuliers, comprenant une cache à nourriture, une cache d'objets lithiques et deux caches suggérées. Les habitations semi-souterraines, deux des structures de tente, la cache à nourriture et la cache d'objets lithiques se trouvent dans un champ de blocs formant la partie nord du site. Les autres structures de tente et aménagements sont situés dans la partie sud du site, composée de dépôts humiques et sableux.

Un total de 82,70 m^2 a été fouillé dans la partie sud du site. Cette fouille a été amorcée l'année précédente autour de deux structures de tente, qui ont été complétées cette année en plus de l'excavation complète d'une troisième structure. La fouille a permis la collecte de 7 721 objets lithiques, desquels 340 sont des outils. Ces derniers, incluant des pointes, couteaux, grattoirs et microlames, sont de fonctions diverses et reflètent une grande variété d'activités domestiques et de subsistance. Plus de 800 ossements d'animaux et 16 échantillons de charbon de bois ont aussi été récupérés. Les datations au ^{14}C révélées par deux de ces échantillons ainsi que la date obtenue lors des travaux antérieurs, confirment que le site a été occupé par des groupes dorsétiens moyens entre 50 av. J. C. et 240 de notre ère.

Les composantes excavées suggèrent quelques phases successives d'occupation du site. Des occupations de courtes durées pendant les saisons chaudes par de petits groupes composés d'une ou deux familles sont suggérées. De plus, la relative homogénéité de la matière première dans la collection lithique tend à indiquer une occupation continue à travers le temps par une population locale.

Il est estimé que la grande majorité du matériel culturel présente sur le site GhGk-63 a été récupérée, donc aucune autre intervention de terrain n'est recommandée. Les données recueillies sont d'une grande importance pour améliorer la connaissance de la culture dorsétienne du Nunavik. Ainsi, une analyse exhaustive de ces données est fortement recommandée.

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ᑐᓂᕐᑕᓂᐊᕐᓂᒃ ᑲᔪᓯᓂᖅᑲᓕᓚᐅᕆᕗᖅ ᐊᕐᕋᒍᖓ 1991-ᓇᐅᑎᓗᒍ ᓄᓇᒥ ᓇᓗᓇᐃᒃᑯᑕᓕᒥᑦ GhGk-63-ᒥᑦ, ᑐᓂᕐᓄᑦ ᓄᓇᒋᔭᐅᔪᕕᓂᕐᒥᑦ ᑰᑦᔪᐊᕌᐱᐅᑉ ᓄᓇᓕᖓᑕ ᓴᓂᐊᓂ. ᑕᐃᓐᓇᓴᐃᓐᓇᖅ ᓄᓇᒃ ᑐᓂᕐᑕᑕᓕᒃ ᑐᓂᕐᑕᓂᐊᕐᕕᐅᓚᐅᕐᒥᔪᖅ ᐊᕐᕌᒍᖓ 1990-ᐅᑎᓗᒍ. ᑕᒪᓐᓇ ᑐᓂᕐᑕᓂᐊᕐᓂᖅ ᑲᔪᓯᑎᑕᐅᓚᕿᓚᐅᕐᑐᖅ ᑰᑦᔪᐊᕌᐱᐅᑉ ᑲᑎᒪᔨᒃᑯᖏᑦ ᑎᓕᔨᓚᐅᕐᒪᑕ ᑐᓂᕐᑕᓂᒃ ᑕᐃᑲᓂ ᓄᓇᒦᑦᑐᓂᒃ ᐱᐅᓕᔭᐅᖁᔨᑦᓱᑎᒃ ᓱᒃᑯᑕᐅᖕᖏᓂᖏᓐᓂ ᓯᐅᕋᕐᑕᑐᓄᑦ. ᑕᐃᓐᓇ ᓄᓇᒃ ᑐᓂᕐᑕᑕᓕᒃ ᐃᓕᓴᐃᕕᐅᒍᒫᕐᓂᐊᓯᒪᒻᒪᑦ ᓯᐅᕋᕐᑕᐅᑎᓂᒃ ᓄᓇᒃᑰᔫᓂᒃ ᐊᐅᓚᑦᓯᒋᐊᒥᒃ.

ᑕᐃᓐᓇ ᓄᓇᒃ ᓇᓗᓇᐃᒃᑯᑕᓕᒃ GhGk-63-ᒥᒃ ᐱᖓᓱᓂᒃ ᐃᓪᓗᕕᓂᕐᑕᖃᓚᐅᕐᑐᖅ ᓄᓇᒧᑦ ᓴᒡᒐᓯᒪᔪᓂᒃ ᐊᒻᒪᓗ ᐱᖓᓲᔪᕐᑐᓂᒃ ᑐᐱᕐᕕᕕᓂᕐᓂᒃ ᐊᒻᒪᓗ ᐊᑕᐅᓯᕐᒥᒃ ᓂᕿᖃᐅᑎᕕᓂᕐᒥᒃ, ᐊᑕᐅᓯᒋᐊᓪᓚᒥᓪᓗ ᐱᐅᒃᑯᑎᓐᓂᒃ ᕿᒪᐃᕕᕕᓂᕐᒥᒃ ᐊᒻᒪᓗ ᒪᖀᓂᒃ ᓂᕿᖃᐅᑎᕕᓂᐅᕐᖂᑑᓂᒃ ᓱᖁᐃᑕᐅᓚᐅᖕᖏᑑᓐᓂᒃ. ᒪᖀᒃ ᐃᓪᓗᕕᓃᒃ ᓄᓇᒧᑦ ᓴᒡᒐᓯᒪᔫᒃ ᐊᒻᒪᓗ ᒪᖀᒃ ᑐᐱᕐᕕᕕᓃᒃ ᐊᒻᒪᓗ ᓂᕿᖃᐅᑎᕕᓃᒃ ᐊᒻᒪᓗ ᐱᐅᒃᑯᑎᓂᒃ ᕿᒪᑯᖃᐅᑎᕕᓂᖅ ᐅᔭᕐᓪᓚᐅᓂᕐᒦᓚᐅᕐᑐᑦ ᑕᐃᑲᓂ ᓄᓇᒥ ᑐᓂᕐᑕᑕᓕᒻᒥ ᑕᕐᑫᕙᓪᓕᖓᓃᑦᓯᑎᒃ. ᑐᐱᕐᕕᕕᓃᑦ ᐃᓚᖏᑦ ᐊᒻᒪᓗ ᓂᕿᖃᐅᑎᕕᓃᑦ ᓯᕿᓂᕐᓯᖓᓃᕐᑎᓗᒋᑦ ᑕᐃᑲᓂ ᑐᓂᕐᑕᑕᓕᒻᒥ ᓄᓇᒥ ᓯᐅᕋᔩᒍᓂᕐᓴᒦᑦᓯᑎᒃ.

ᑕᐃᑲᓂ ᓄᓇᒥ ᓴᒡᒐᓚᐅᕐᑐᑦ ᑐᓂᕐᑕᓯᐅᕐᓱᑎᒃ ᓄᓇᒥᒃ ᐊᖏᓂᓕᒻᒥᑦ 82.70-ᒦᑕᓂᒃ ᓯᕿᓂᕐᓯᖓᓂ ᑐᓂᕐᑕᑕᓕᐅᑉ ᓄᓇᐅᑉ. ᐊᕐᕌᒍᒥ 1990-ᒥ ᐱᒋᐊᖕᖓᑐᕕᓃᑦ ᑐᐱᕐᕕᕕᓃᒃ ᒪᖀᒃ ᐃᓗᒋᓐᓂᒃ ᓯᒪᑖᖏᓐᓂᓗ ᐊᒻᒪᓗ ᐱᖓᔪᐊᓂᒃ ᑐᐱᕐᕕᕕᓂᐅᒻᒥᔪᒥᒃ ᐱᔭᕇᕐᓱᑎᒃ. ᑖᒃᑯᐊ ᓴᒡᒐᓂᐅᓚᐅᕐᑐᑦ ᓇᕝᕚᕝᐅᓚᐅᕐᑐᑦ ᐅᕙᕐᕐᓂᒃ ᐱᐅᒃᑯᑎᕕᓂᕐᓂᒃ ᐊᒥᓲᓂᓕᓐᓂᒃ 340-ᓂᒃ ᐊᒻᒪᓗ ᐱᐅᒃᑯᑎᓕᐅᕐᑐᐃᑦ ᐅᔭᕐᓂᒃ ᓇᑲᑎᕐᓂᓗᑯᖏᓐᓂᒃ ᐊᒥᓲᓂᓕᓐᓂᒃ 7381-ᓇᓂᒃ. ᐱᐅᒃᑯᑎᕕᓃᑦ ᐅᔭᕐᐃᑦ, ᖃᕐᔫᑉ ᓄᕗᕕᓂᖏᑦ, ᓴᕕᕕᓃᑦ, ᓴᑰᒍᑎᕕᓃᑦ, ᓴᕕᐊᕈᕕᓃᓪᓗ ᐊᑦᔨᒌᖕᖏᑐᒻᒪᕆᐅᓚᐅᕐᑐᑦ ᓄᐃᑕᑎᑦᓯᓱᑎᒃ ᐊᑦᔨᒌᖕᖏᑑᓂᕕᓂᖏᓐᓂᒃ ᐃᓅᒐᓱᐊᕈᑎᖏᑦᑕ ᐊᒻᒪᓗ ᐱᐅᒃᑯᑎᖏᑦᑕ. ᐆᒪᔪᐃᑦ ᓴᐅᓂᕕᓂᖏᑦ ᐊᒥᓲᓃᑦ 800-ᓂᒃ ᐊᒻᒪᓗ ᐃᑯᐊᓚᑦᓯᕕᕕᓃᑦ ᐊᒥᓲᓃᑦ 16-ᓂᒃ ᐳᑯᑦᑕᐅᓚᐅᕐᒥᔪᑦ. ᑕᐃᒃᑯᐊ ᐃᑯᐊᓚᓂᑯᕕᓃᑦ ᕿᔫᑦᓱᑎᒃ ᐊᑐᕐᑕᐅᓚᐅᕐᑐᑦ ᐅᑭᐅᖏᓐᓂᒃ ᖃᐅᔨᒐᓱᐊᕈᑎᐅᑦᓱᑎᒃ, ᓱᕐᖁᐃᓯᒍᑎᐅᑦᓱᑎᒃ ᑐᓂᕐᓄᑦ ᐊᑐᕐᑕᐅᓂᕕᓂᖓᓂᒃ ᑕᐃᑦᓱᒪᐅᑉ ᓄᓇᐅᑉ ᐊᑯᓐᓂᖏᓐᓂ ᑮᓱᓯ ᑲᔨᐃᑦᑑᓯ ᐊᕐᕌᒍᓂ 50-ᓄᑦ ᐃᓅᓕᓚᖕᖐᓈᕐᑎᓗᒍ ᐊᒻᒪᓗ ᐊᕐᕌᒍᓂ 240-ᓂ ᐃᓅᓕᕐᑎᓗᒍ.

ᓴᒡᒐᑕᐅᓚᐅᕐᑐᑦ ᓄᐃᑎᑦᓯᓚᐅᕐᑐᑦ ᑕᐃᑦᓱᒪᐅᑉ ᓄᓇᐅᑉ ᑐᓂᕐᑕᑕᓕᐅᑉ ᐊᑐᕐᑕᐅᖃᑦᑕᓂᕕᓂᖓᓐᓂᒃ ᐊᑕᐅᓯᕕᑐᐃᓐᓇᓴᒐᓂ. ᐊᑯᓂᐅᖕᖏᑐᖅ ᓯᓂᑦᑕᑐᓄᑦ ᐊᒻᒪᓗ ᐊᐅᔭᐅᑎᓪᓗᒍ ᐃᓚᒌᓐᓄᑦ ᐊᒥᓲᖕᖏᑐᓄᑦ ᓯᓂᑦᑕᕕᐅᖃᑦᑕᑐᕕᓂᐅᔪᓇᔭᐅᔪᖅ. ᐃᒪᖅ ᐊᑕᐅᓯᑦ ᐊᒻᒪᓘᓐᓃᑦ ᒪᕐᕈᐃᓄᑦ ᐃᓚᒌᓐᓄᑦ ᑐᐱᕐᓯᒪᕕᐅᖃᑦᑕᓯᓂ. ᐱᐅᒃᑯᑎᓕᐊᓇᔭᐅᖃᑦᑕᕕᓃᑦ ᑕᐃᒃᑯᓄᖓ ᑐᓂᕐᓄᑦ ᐊᑦᔨᒌᖕᖏᑐᓂᖓᓂᒃ ᑕᑯᑦᓯᒋᑦ ᑕᐃᒃᑯᓄᖓᓴᐃᓇᖅ ᑐᓂᕐᓄᑦ ᑰᑦᔪᐊᕌᐱᒻᒥᐅᑕᓐᓄᑦ ᐊᑐᕐᑕᐅᖃᑦᑕᑐᕕᓂᐅᔪᓇᔭᐅᔪᖅ.
ᑕᐃᑲᓂ ᓄᓇᒥ ᑐᓂᕐᑕᑕᓕᒻᒥ ᓇᓗᓇᐃᒃᑯᑕᓕᒻᒥᑦ GhGk-63-ᒥᑦ ᑐᓂᕐᑕᐃᑦ ᐃᓘᓐᓇᑲᓵᑎᒃ ᐱᐅᓕᔭᐅᓯᒪᔪᓇᔭᐅᓕᕐᒪᑕ ᑐᓂᕐᑕᓂᐊᕐᕕᑭᐊᓚᖕᖏᑲᓗᐊᑉᐸᑦ ᖃᓄᐃᒋᔭᐅᒍᓐᓇᐃᑐᖅ. ᑕᒪᓐᓇ ᖃᐅᔨᓴᕐᓂᐅᓚᐅᕐᑐᖅ ᐊᕐᕕᓕᒪᓇᓕᒥ ᐃᑲᔪᕐᓯᓚᖕᒐᔪᓇᔭᐅᔪᖅ ᑐᓂᑦ ᒥᑦᓴᓄᑦ ᑐᑭᓯᒋᐊᑦᓚᓂᕐᒥᑦ ᓄᓇᕕᒻᒥ. ᑕᒪᓐᓇ ᐱᓪᓗᒍ ᐱᐅᒃᑯᑎᕕᓃᑦ ᓇᕝᕚᕐᑕᐅᓚᐅᕐᑐᑦ ᖃᐅᔨᓴᕐᑕᐅᒪᓇᒋᐊᓐᓂᑦ.

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The Avataq Cultural Institute gratefully acknowledges the support and assistance of the above individuals and Hydro-Québec in the GhGk-63 archaeological salvage project.

1.0 Introduction

This report concerns the archaeological salvage project conducted in 1991 at the GhGk-63 site, a partly disturbed Dorset settlement. The site is located in the Municipality of Kuujjuarapik, near the mouth of the Great Whale River, southeastern Hudson Bay (Figure 1). It is situated on the southeastern slope of a low bedrock hill, approximately 900 m north of the village and about 1km east of the coast.

The project represents the second season of salvage excavations at the site. Both of these exercises were carried out at the request of the Municipality of Kuujjuarapik. The 1990 excavations were undertaken in order to rescue archaeological resources threatened by the proposed renewed exploitation of an abandoned gravel pit in the site for the construction of new houses in the village. However, as the remaining gravel in the site was subsequently found to be of inadequate quality for this work, these exploitation plans were cancelled later that summer. Last year's project was organised on the basis of information received regarding the possible use of the site locality for the training of heavy equipment operators. It was implemented, specifically, to mitigate the future impacts of such training on the site.

Field activities were carried out over the 2-week period between June 12 and 26. The field crew included Lizzie Fleming, Johnny Cookie and Harry Fleming, all from Kuujjuarapik. The latter individual was replaced during the second week of work by Caroline Weetaluktuk, also from the village. The crew was directed by Daniel Gendron, Assistant Director of Avataq's Archaeology Department.

2.0 Description of the GhGk-63 site

The GhGk-63 site is divided into 2 sections of different geomorphological character. The northern section occupies a small boulder field while the southern section is composed of discontinuous humus and sand deposits directly underlain by bedrock (c.f., Appendix 4). The southeastern portion of the boulder field was destroyed in 1986 by gravel extraction work. The zones immediately west and south of the gravel pit were also disturbed by this work.

The site is bounded on the north and west by exposed bedrock and, on the east, by marine terraces and the gravel pit. Its southern limits are formed by eroded terraces bordering a relatively wet zone. As defined, the site covers a surface area of approximately 4,000 m^2 and varies in altitude from 26 to 32 m.a.s.l.

The site consists of 9 habitation structures and 4 exterior features (Table 1). The habitations include 3 semi-subterranean dwellings, represented by shallow, sub-rectangular depressions in the boulder field, and 6 tent rings of various form. One of the tent rings is situated in the boulder field and another on the southeastern edge of this formation. The 4 others are located in the southern section of the site.

The exterior features include a food cache (i.e., Feature I) and a cache of lithic preforms and core fragments (i.e.,Feature II), situated in the boulder field. Features III and IV are composed of rock concentrations located in the central portion of the southern section of the site. Both are provisionally interpreted as representing the remains of caches.

The boulder field section of GhGk-63 was discovered during the course of the 1986 archaeological survey of the new solid waste disposal site proposed for the Municipality of Kuujjuarapik (c.f., Avataq, 1987). At that time the 3 semi-subterranean dwellings and 1 of the 2 tent rings then registered in the site were intensively tested. Although testing of the structures proved negative, surface-collecting in the disturbed zone along the southern periphery of the gravel pit produced a small number of lithic artifacts. This collection included a burin which, combined with the boulder field context of the semi-subterranean dwellings, suggested a Pre-Dorset affiliation for the site.

Table 1. Summary of Cultural Features Indentified in the GhGk-63 site.

A. Habitation Structures

Number	Type	Form	Dimensions (m)	Remarks
1	tent ring	oval	3.50 x 3.0	contains a mid-passage, 75 cm in width and oriented east-west
2	tent ring	rectangular	2.50 x 2.10	
3	semi-subterranean	sub-rectangular	2.80 x 2.20 D: 0.5	
4	semi-subterranean	sub-rectangular	2.70 x 2.20 D: 0.5	
5	semi-subterranean	sub-rectangular	2.70 x 2.30 D: 0.5	cointains a posible hearth
6	tent ring	oval	3.80 x 3.0	partially overlapped by Structure 7
7	tent ring	bilobate	4.20 x 2.60	contains a mid-passage, 60 cm in width and oriented east-west
8	tent ring	oval	3.40 x 2.60	
9	tent ring	oval	5.20 x 5.0	entrance roughly 1.0 m in width, oriented toward the east

B. Exterior Features

Number	Type	Dimensions (m)	Remarks
I	food cache	2.0 x 1.20	
II	lithic cache	2.0 x 1.80	contains a large number of preforms and cores
III	rock concentration	1.60 dia.	possible cache
IV	rock concentration	3.40 x 2.30	possible cache

m: metre
dia.: diametre
D: depth

The southern section of GhGk-63 was identified in July, 1990, during an emergency evaluation of the site. As the site was then endangered by plans for gravel extraction, a salvage excavation project was rapidly organized and conducted in this section later that summer, between August 15 and 19 (c.f., Avataq, 1991). This brief project allowed the excavation of 44.50 m^2, test-pitting in the disturbed zone south of the gravel pit included. Almost all of Structure 8 and the greater part of Structures 6 and 7 were excavated. Also, Features II and III were completely excavated and Feature IV was sampled.

The above excavations yielded 4,514 lithic specimens, including 322 tools and tool fragments. The tools, comprising a wide variety of functional types, indicated that the site was occupied by groups of the Dorset culture rather than by earlier Pre-Dorset groups. In addition, a charcoal sample obtained from Structure 6 provided a radiocarbon date of 2050±100 B.P. (BGS 1476), or 50 B.C. for the occupation of this structure (Avataq, 1991:9).

3.0 Field Techniques

The field techniques applied in the 1991 project were similar to those practised in the site the previous year. The alpha-numerical grid system established in 1990 was re-installed and excavation proceeded by square metre. The north and east co-ordinates and stratigraphic level were recorded for each identified tool and tool fragment recovered from the excavation units. Lithic waste flakes and bone remains were collectively registered according to quadrant (i.e., 50 x 50 cm) and stratigraphic level in the units.

The location of all lithic artifacts and other occupational data found in the excavation units was plotted on millimetric graph paper at a scale of 1:10. Representative stratigraphic profiles were also drawn at the same scale. The habitation structures, features, certain profiles and other details were photographed in colour and black and white prints and in slides.

4.0 Project Results

A total of 82.70 m^2 was excavated in the southern section of the site in 1991. Of this total, 52 m^2 were excavated in the central portion of the section and 30.70 m^2 in the Structure 9 area (c.f., Appendix 4). The excavations in the central area encompassed the northern periphery of Structures 6 and 7, the western half of Feature IV and the interstructural zones between this feature and Structure 6 and between Structures 7 and 8. Excavations on the northwestern edge of Structure 7 included a vague alignment of rocks which was interpreted in 1990 as a tent ring (c.f., Avataq, 1991, Appendix 3, Structure 10). However, the suggested alignment was non-existent and the interpretation of a habitation structure in this zone was shown to be erroneous.

4.1 Stratigraphy

A generally uniform stratigraphic sequence was revealed throughout the central excavation area. As illustrated in Avataq (1991, Appendix 4), the upper units of the sequence consist of surface vegetation and an underlying layer of sandy humus (i.e., Levels I and II). The vegetation, dominated by mosses and grass, was discontinuous in the eastern part of the area. It attained a maximum thickness of 10 cm west of Structure 7, in a zone frequently saturated by surface run-off. The humus varied in thickness from 1 to 5 cm and was underlain by relatively fine, yellowish sand (i.e. Level III), deposited on bedrock. Level III ranged in thickness from 2 to 30 cm. At certain places in the zone between Structures 7 and 8 the sand was heavily impregnated with burnt organic matter.

The stratigraphy in the Structure 9 area differed somewhat from that in the central area. These differences relate to the location of the structure in a markedly wetter zone. In this instance Level I included a layer of sphagnum which, attaining a maximum thickness of 20 cm, completely encircled the structure and extended into its western portion (c.f., Appendix 6). A thin mantle of low moss and grass covered the other portions of the tent ring. Levels II and III were composed of humus and sand layers and, exterior to the habitation, were high in sphagnum content. These levels varied in thickness from 3 to 8 cm and 2 to 20 cm, respectively.

4.2 Structures

With few exceptions the rocks defining Structures 6, 7 and 9 and Feature IV were associated with Level III. The exceptions occurred on the surface of the bedrock.

Structure 6 consists of an oval configuration of irregularly spaced rocks (c.f., Appendix 5). The full contour of the structure is somewhat obscure, its western segment being partially overlapped by Structure 7. Structure 6, measuring 3.80 x 3.0 m, lacks definable interior features. However, several concentrations of charcoal associated with a small cluster of rocks on the northern periphery of the tent ring suggest a hearth area. This suggestion is supported in part by the distribution of lithic artifacts in the structure, the majority of which were recovered in the vicinity of the charcoal concentrations.

Structure 7 is bilobate in form and measures 4.20 x 2.60 m. It contains a relatively well-preserved mid-passage composed of flagstone paving bordered by rectangular blocks. The mid-passage, oriented east-west, is 60 cm in width by 2.30 m in length.

A dense concentration of rocks occupies a depression in the bedrock immediately west of Structure 7. This concentration covers approximately 4 m^2 and exceeds 30 cm in thickness. It is divisible into 3 courses of rocks separated by lenses of Level III sand. The uppermost course is partly incorporated in Structure 7. Significant quantities of charcoal and numerous lithic artifacts occurred in the sand lenses separating the upper 2 courses. The lowest sand lens contained an appreciable number of animal bones. The lithics, charcoal and bones were distributed throughout the depression to the eastern edge of Structure 8, roughly 5 m west of the rock concentration.

Structure 9 is well-defined, oval in shape and measures 5.20 x 5.0 m (c.f., Appendix 6). The entrance of the structure is suggested by a gap about 1 m wide in the eastern segment of the tent ring. Two clusters of rocks in the northern half of the habitation also suggest interior features of undetermined function. Several small fragments of charcoal insufficient for radiocarbon-dating were observed in the southeastern part of Structure 9.

Feature IV is composed of a loose concentration of rocks scattered over an area of roughly 3.40 x 2.30 m. Although the form and dimensions of the concentration may suggest a habitation structure, present evidence tends to indicate that the feature represents a dismantled cache.

4.3 Lithic Artifacts

The excavations produced a total of 7,721 lithic artifacts (Table 2). The overwhelming majority of the artifacts were associated with Level III (N: 6,392), followed by Level II (N: 996). Level I yielded 48 specimens and 85 others were surface-collected.

Table 2. Summary of the Lithic Collection

A. Class and Raw Material

Class	Raw Material									
	Chert	Quartzite	Quartz†	Slate	Metabasalt	Nephrite	Soapstone	Sandstone	Granite	Total
Chipped point	38	1	-	-	-	-	-	-	-	39
Chipped knife	5	-	-	2	-	-	-	-	-	7
Polished knife	-	-	-	25	-	-	-	-	-	25
End scraper	9	1	1	-	-	-	-	-	-	11
Side scraper	1	-	-	-	-	-	-	-	-	1
Burin	1	-	-	-	-	-	-	-	-	1
Burin-like tool	1	-	-	-	-	-	-	-	-	1
Burin spall	7	-	-	-	-	-	-	-	-	7
Tip-flute spall	35	-	-	-	-	-	-	-	-	35
Flake core	14	-	-	-	8	-	-	-	-	22
Microblade core	5	-	4	-	-	-	-	-	-	9
Microblade	46	8	19	-	-	-	-	-	-	73
Blade	2	1	1	-	-	-	-	-	-	4
Adze	-	-	-	-	-	2	-	-	-	2
Drill	1	-	-	-	-	-	-	-	-	1
Biface fragment	29	-	-	-	-	-	-	-	-	29
Polished fragment	-	-	-	16	1	2	3	-	-	22
Preform	4	-	-	-	-	-	-	-	-	4
Hammerstone	-	1	-	-	-	-	-	-	2	3
Retouched flake	24	1	-	1	-	-	-	-	-	26
Used flake	14	2	-	-	-	-	-	2	-	18
Sub-total	236	15	25	44	9	4	3	2	2	340
Waste flakes	7022	41	63	127	104	-	-	24	-	7381
Total	7258	56	88	171	113	4	3	26	2	7721

† Includes quartz crystal, milky quartz and hyalin

B. Provenience

Provenience	Tools		Flakes		Total	
	N	%	N	%	N	%
Structure 6	80	23.5	2,183	29.6	2,263	29.3
Structure 7	180	53.0	2,385	32.3	2,565	33.2
Structure 9	23	6.7	773	10.5	796	10.3
Feature IV	-	-	5	0.1	5	0.1
Interstructural Zones:						
Structure 6 - Feature IV	-	-	250	3.4	250	3.2
Structure 7 - Structure 8	50	14.7	1,678	22.7	1,728	22.4
Unknown	7	2.0	107	1.4	114	1.5
Total	341	100	7 382	100	7 723	100

Another 86 specimens were collected from an isolated humus lens underlying Level III in Structure 6. The provenience of 114 artifacts is unknown.

In terms of general distribution, the largest proportions of the collection were recovered from Structure 7 (33.2%), Structure 6 (29.3%) and the zone between Structures 7 and 8 (22.4%). Most of the specimens obtained from the latter zone were associated with the rock concentration partly overlain by Structure 7. Structure 9 was less productive, yielding 10.3% of the collection. The majority of these artifacts were found beneath the rocks forming the eastern segment of the tent ring. The zone separating Structure 6 and Feature IV and the excavated portion of the feature were low in artifact frequency.

The collection consists of 340 tools and tool fragments and 7,381 waste flakes. Major classes among the tools comprise point and knife forms, end scrapers, flake and microblade cores, microblades, retouched flakes and used flakes. Comparatively large numbers of biface fragments, polished fragments and tip-flute spalls, a small number of burin spalls, and a few blades and preforms were also recovered. Other tools in the collection include 3 hammerstones, 2 adzes, a burin, a burin-like tool, a side scraper and a drill.

The waste flakes are of various sizes and relate to all stages involved in the systematic production of lithic implements. Most, however, are small, suggesting relationships with the final stage of tool manufacturing.

Mottled black chert is by far the predominant raw material, representing 94% of the collection, followed by slate (2.21%), metabasalt (1.46%) and quartz (1.14%). The other raw materials, composed of quartzite, nephrite, soapstone, sandstone and granite, occur as fractions of a percentage.

4.4 Organic Remains

Organic remains recovered from the site comprise 813 animal bones and 16 charcoal samples (Appendix 3). All of the bones were associated with the lowest course in the rock concentration bordering Structure 7. Almost all are small fragments.

Seven of the charcoal samples were recovered from Structure 7 and 4 from deposits situated on the northern periphery of Structure 6. The other 5 samples were collected at different depths in the rock concentration mentioned above.

4.5 Radiocabon Dates

Two charcoal samples were submitted for dating to the Geological Sciences Radiocarbon Lab of Brock University, St. Catherines, Ontario. One of these samples was collected from the lowest layer of sand in the rock concentration and the other from a charcoal deposit associated with the Structure 7 mid-passage. The first sample provided an uncorrected radiocarbon date of 1910±80 B.P. (BGS 1517), or A.D. 40, while the second is dated to 1710±85 B.P. (BGS 1518), or A.D. 240.

Both dates are stratigraphically consistent and, along with the date of 50 B.C. obtained in 1990 for Structure 6, fall within the Middle period of the Dorset culture.

5.0 Preliminary Interpretations

The GhGk-63 site was occupied on a seasonal basis by Middle Dorset groups from the end of the last millenium B.C. into the 3rd century A.D. As presented in Avataq (1991:11), warm-weather occupation of the site is indicated by the tent rings. As also forwarded in that report, the distribution and dimensions of these habitation structures suggested multiple occupations by small groups composed of 1 or 2 nuclear families.

Re-occupation through time of the southern section of the site is confirmed by the radiocarbon dates, spanning a period of roughly 300 years. It is further demonstrated by the presence of lithic artifacts beneath rocks forming a part of Structure 9 and by the divisions in the rock concentration partially overlain by Structure 7. These data suggest 2 phases of occupation in the Structure 9 area and, minimally, 3 phases in the central excavation area.

The earliest components in the central area consist of Structure 6 and the lowest course of the rock concentration, radiocarbon-dated to 50 B.C. and A.D. 40, respectively. This phase was followed after an undetermined interval by the occupation associated with the middle course of the concentration. The third phase is represented by Structure 7, dated to A.D. 240, and the uppermost course of the concentration. The lithic artifacts contained in Level II might suggest a fourth, more recent phase. On the other hand, field observations tend to indicate that the artifacts found in the humus have been displaced from the underlying Level III by natural processes such as root action and erosion.

It is difficult at present to integrate the Structure 8 and 9 occupations into the above sequence. However, it is possible that Structure 8 may have been occupied during one or the other of the earlier phases. This suggestion is based on the relatively poor state of preservation of the tent ring which, as in the case of Structure 6, was probably disturbed by later occupants of the site. As well, since the phases identified in both excavation areas are associated with Level III, it is likely that the Structure 9 occupation components fall within the sequence in the central area.

The number and duration of the occupations encapsulated in the separate phases and the number of people involved in each occupation are unknown. However, the spatial relationships of the 4 excavated structures suggest that each was occupied at a different time. Single nuclear family habitations are indicated for Structures 6, 7 and 8 while the larger dimensions of Structure 9 imply occupation by an extended family or, perhaps, 2 families. Additionally, the low percentages of artifacts associated with

Structures 8 and 9 suggest short-term occupations, possibly of only several weeks duration. Similar brief occupations may be speculated for Structures 6 and 7. Also, the high percentage of artifacts present in the space covered by these 2 tent rings and the rock concentration suggests that this portion of the central excavation area was repeatedly and intensively occupied.

The functional classes in the lithic tool assemblage reflect a broad range of subsistence and domestic activities. Besides hunting, major activities carried out at the site included skinning and butchering, hide processing and the manufacturing of stone implements and cultural equipment in organic materials. Moreover, the overwhelming predominance of mottled black chert in the lithic collection signifies exploitation of the same raw material source by the different groups who occupied the site. This homogeneity of raw material suggests continuity of occupation through time by a local population.

Finally, while artifactual evidence is lacking, the form of the semi-subterranean dwellings suggest a Dorset origin for these habitations, which would have been occupied during cold-weather. Alternately, the food cache, the 2 features interpreted as caches and the lithic cache would have been prepared during warm-weather, probably in summer or fall. The latter 3 features are clearly related to Dorset occupation of the site. The cultural affiliation of the food cache is undetermined.

6.0 Discussion

Archaeological salvage excavations conducted in 1990 and 1991 at GhGk-63 covered a total of 127 m^2. Although this total represents only a small fraction of the site area, it is estimated that the greater portion of the cultural material contained in the site has been rescued. Consequently, no further excavations are recommended in the site.

The excavations were centred on 4 tent rings and yielded 12,235 lithic artifacts, including 644 tools. These results shed new light on the Dorset culture in southeastern Hudson Bay and, accordingly, analysis of the data is strongly recommended.

The importance of GhGk-63 resides in large measure on its geographic location and chronology of occupation. It is situated at the southernmost limit of the Dorset culture in eastern Hudson Bay as presently known and represents the only Middle Dorset occupation in the region confirmed by radiocarbon-dating. The few other Dorset sites excavated in the region are well-removed from Kuujjuarapik. The nearest of these sites are located at Richmond Gulf, on the Belcher Islands and at Inukjuak and, in all instances, date to either the Early or Late periods of the culture.

Also, the lithic collection recovered from the site is characterized by a high degree of quality and clarity in terms of composition and context. The structural associations of the artifacts and the functional classes included in the tool assemblage are well-defined, indicating various specific activity areas in the site. As well, a large number of stylistic attributes observed on the tools are of marked comparative value and allow for the study of Dorset technological development through time and space.

The analysis of the GhGk-63 site will contribute to a better understanding of the Dorset culture in southeastern Hudson Bay and, importantly, provide the community of Kuujjuarapik archaeological information of local interest. The Inuit of Nunavik are keenly aware of the cultural heritage importance of archaeological resources and over the years have actively promoted the protection and preservation of these resources for cultural and educational purposes. As now planned, the artifact collection and other data obtained from the GhGk-63 site will be displayed in the local community cultural transmission centre to be built eventually in Kuujjuarapik. Such displays, combined with textual reports, will foster a greater appreciation among the population of past Inuit lifeways, practices and values.

7.0 References Cited

Avataq Cultural Institute
1987 Archaeological Survey of Proposed Solid Waste Disposal Sites in the Municipalities of Kuujjuarapik and Quaqtaq, Northern Quebec. Report presented to the Kativik Regional Government, 27 pp.

1991 Archaeological Salvage Excavation of the GhGk-63 site, 1990, Kuujjuarapik, Nunavik. Report presented to the municipality of Kuujjuarapik, 13 pp.

8.0 Photographs

Photo 1. Structure 6 prior to excavation. Toward the northwest.

Photo 2. Structure 7 prior to excavation. Toward the southeast.

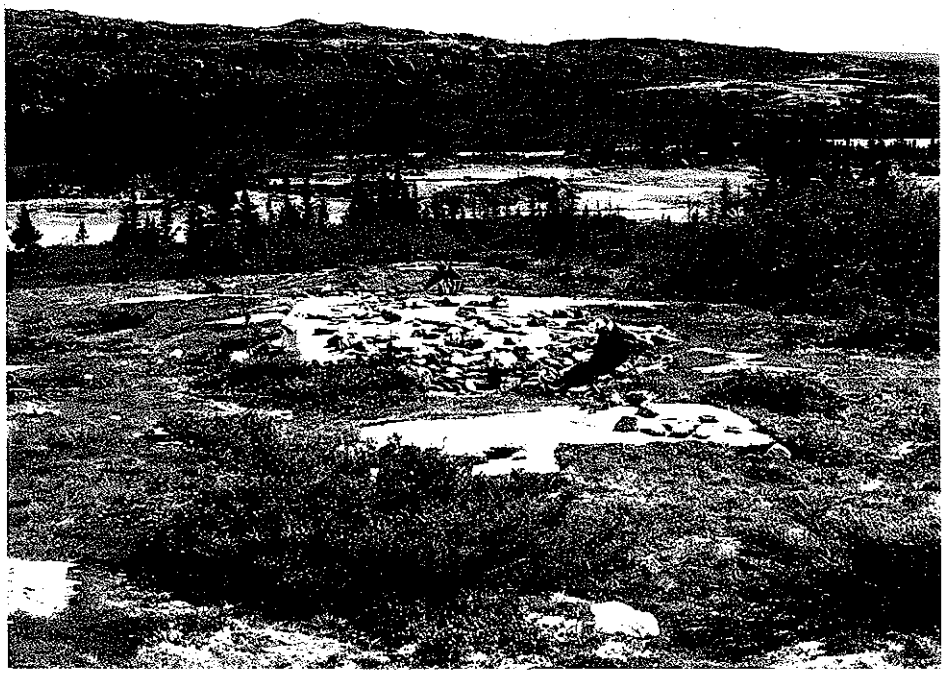

Photo 3. Excavation of Structures 6 and 7 and Feature IV. Toward the east.

Photo 4. View of excavated Structure 6, toward the south. Part of the mid-passage of Structure 7 is visible in the extreme right-hand portion of the photo.

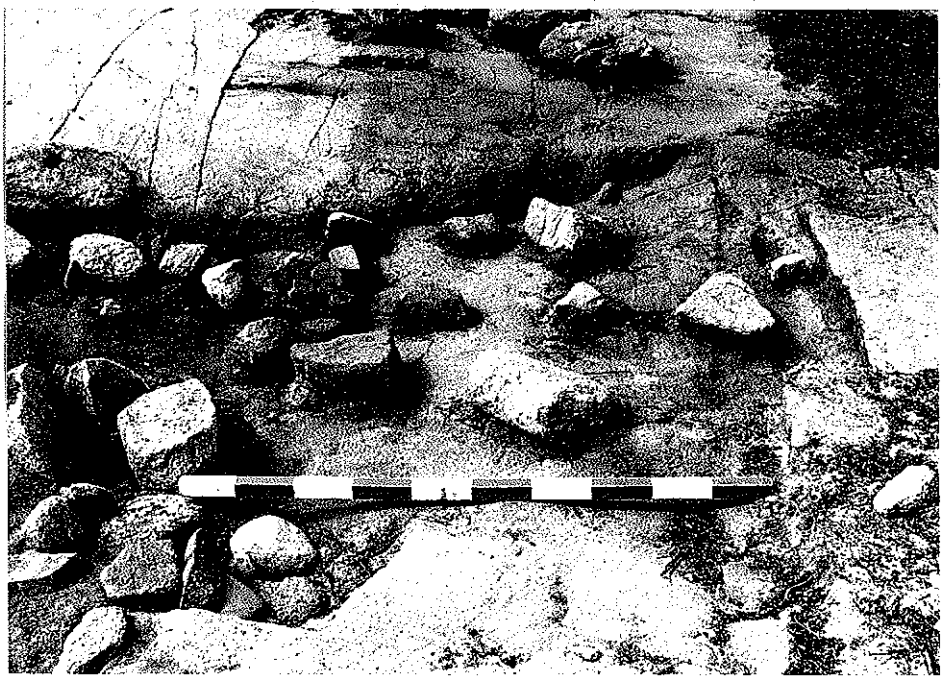

Photo. 5. Hearth area situated on the northeastern periphery of Structure 6. Toward the west

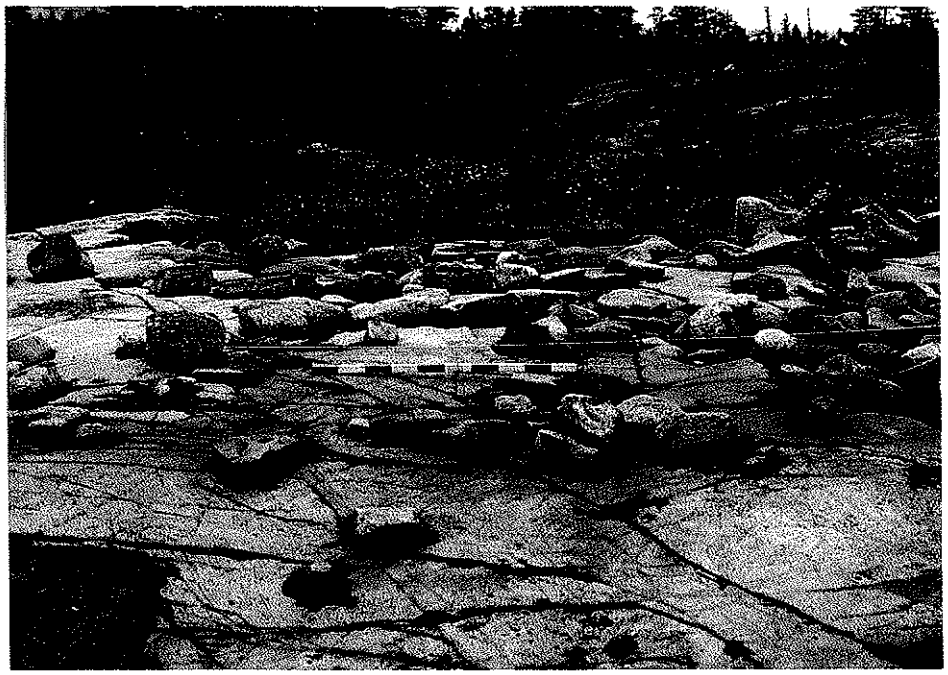

Photo 6. View of excavated Structure 7, toward the south.

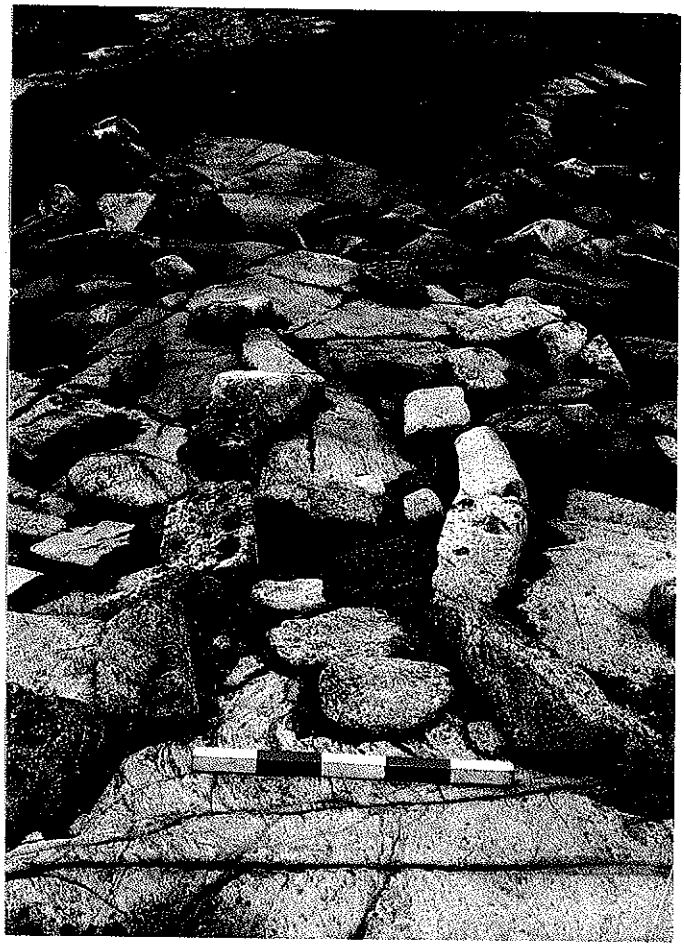

Photo 7. Structure 7 mid-passage, toward the southwest.

Photo 8. View of rock concentration located to the west of structure 7, toward the southeast. The structure is visible in the background.

Photo 9. Rock concentration located to the west of structure 7. Toward the west.

Photo 10. Hearth area associated with the rock concentration. Toward the north.

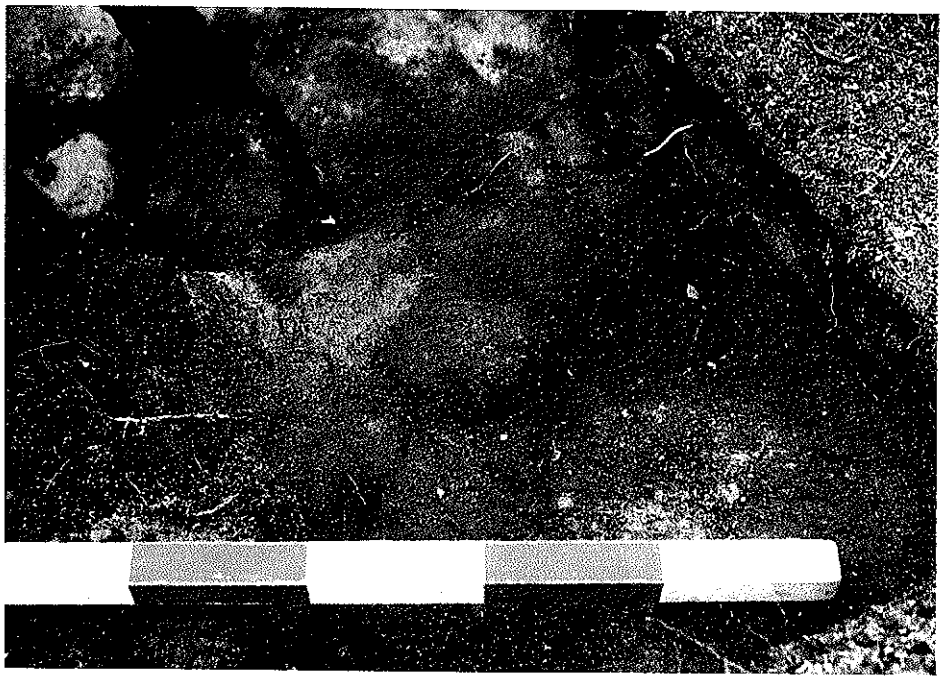

Photo 11. *In situ* charcoal concentration, southwest quadrant of BY 55. Toward the southeast.

Photo 12. View toward the west of excavation units BZ-CB 55-56 and Structure 8, in the background.

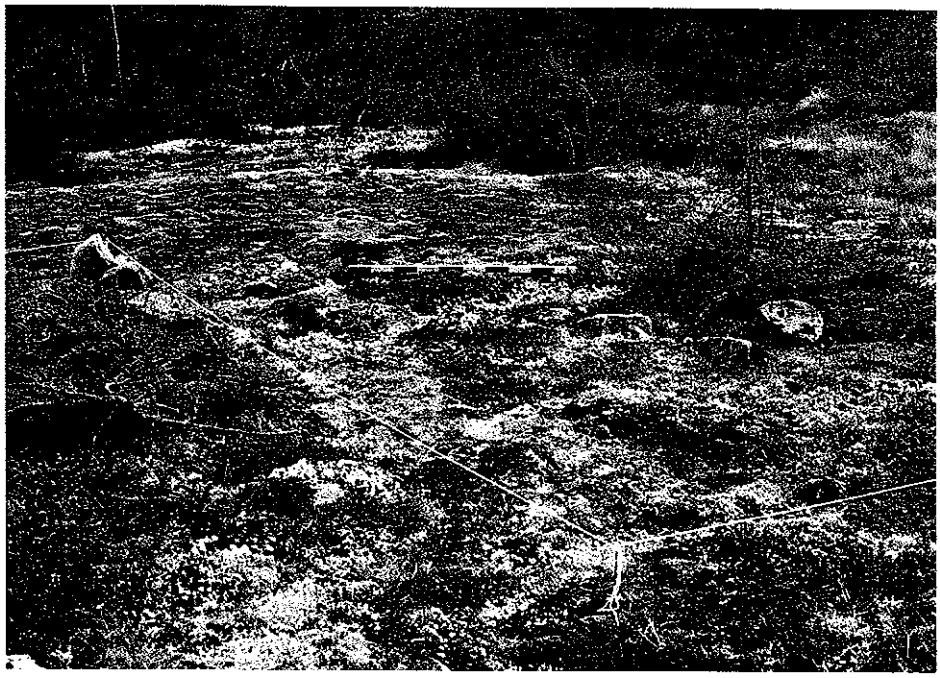

Photo 13. Structure 9 prior to excavation. Toward the southeast.

Photo 14. View of excavated Structure 9, toward the southeast. Note the wet zone in the foreground and right-hand portion of the photo.

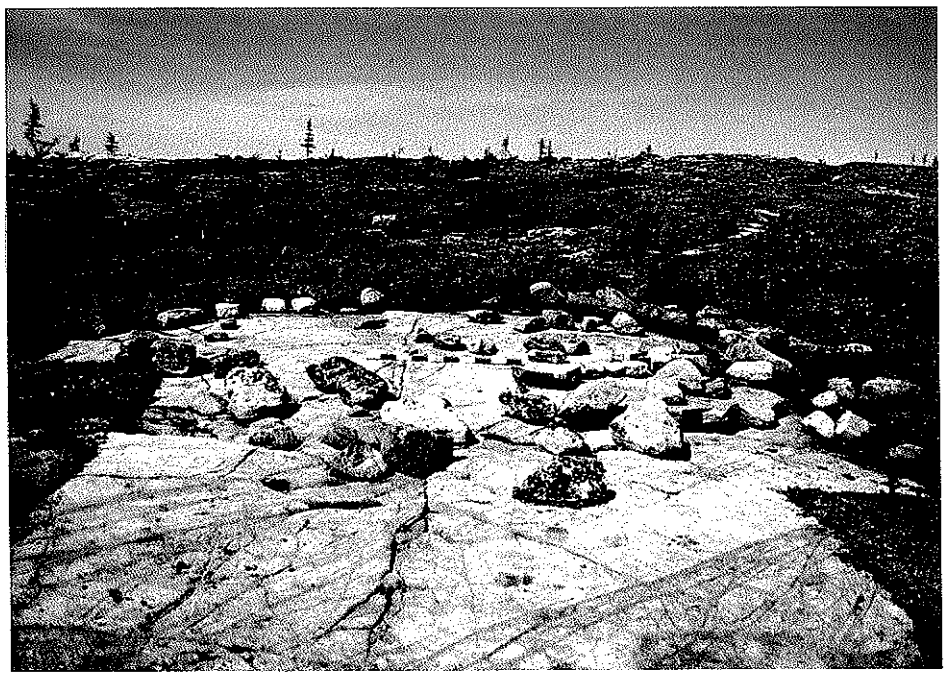

Photo 15. Excavated Structure 9. Toward the west.

Photo 16. Structure 9 stratigraphy, CC 25, north profile.

Photo 17. View of Excavated portion of Feature IV, toward the south.

Appendix 1

List of Photographs

Appendix 1. List of Photographs.

A. Colour Prints

Roll	Negative	Subject	Orientation	Date
C9101-1	2	Work in progress, Structures 6 and 7	E	13/6/91
	3	BU 56, hearth area	N	14/6/91
	4	BY 55, southwest quadrant, charcoal	SE	20/6/91
	5	BN-BP 57-58, hearth area	W	22/6/91
	6	BN-BP 57-58, hearth area	S	22/6/91
	7	BN-BP 57-58, hearth area	NE	22/6/91
	8	BM-BN 57-58	SW	22/6/91
	9	BM-BN 57-58	NE	22/6/91
	10	BJ-BN 57-58	E	22/6/91
	11	BR 54	NE	22/6/91
	12	BY-BZ 55	S	24/6/91
	13	BY-BZ 55	N	24/6/91
	14	BY-BZ 55, stratigraphic profile	N	24/6/91
	15	BY-BZ 55	W	24/6/91
	16	Overview of Structure 7	ENE	24/6/91
	17	Structure 9 before excavation	NW	24/6/91
	18	Structure 9 before excavation	SE	24/6/91
	19	Work in progress, Structures 6 and 7	E	26/6/91
	20	BM-BN 57, after rainfall	S	27/6/91
	21	BY-CA 55, after rainfall	SE	27/6/91
	22	BT-BU 55-57	N	27/6/91
	23	BT-BU 55-57	S	27/6/91
	24	BT-BU 55-57	W	27/6/91
	25	BT-BU 55-57	NW	27/6/91
	26	BT-BU 55-57	SE	27/6/91
	27	Structure 7 mid-passage	WSW	27/6/91
	28	Structure 7 mid-passage	ENE	27/6/91
	29	Structure 7, southern portion	WSW	27/6/91
	30	Structure 7, northern portion	W	27/6/91
	31	BU 56, hearth	N	27/6/91
	32	BS 55	W	27/6/91
	33	BQ-BR 57-58	N	27/6/91
	34	Overview of Structure 6	E	27/6/91
	35	Feature IV	S	27/6/91
	36	Overview of Structure 7	S	27/6/91
	37	Overview of Structure 6	S	27/6/91
C9101-2	0a	Structure 9, CE 21-22	NW	30/6/91
C9101-3	1a	Overview of Structures 6 and 7 and Feature IV	W	13/7/91
	2a	Feature IV	N	13/7/91
	3a	Feature IV	S	13/7/91
	4a	Overview of Structure 6	SW	13/7/91
	5a	BU-BW 58-59	WSW	13/7/91
	6a	BT-BU 55-56	S	13/7/91
	7a	BW 57, stratigraphic profile	W	13/7/91
	8a	BW 58, stratigraphic profile	W	13/7/91
	9a	BW 59, stratigraphic profile	W	13/7/91
	10a	Overview of Structure 7	S	13/7/91
	11a	Overview of Structure 7	NNW	13/7/91

Appendix 1. List of Photographs.

Roll	Negative	Subject	Orientation	Date
C9101-3	12a	BT-BW 55-56	S	13/7/91
	13a	BT-BW 55-56	S	13/7/91
	14a	BZ-CB 55-56	W	13/7/91
	15a	CG 25, stratigraphic profile	N	14/7/91
	16a	CE-CF 25, stratigraphic profile	N	14/7/91
	17a	CD 25, stratigraphic profile	N	14/7/91
	18a	CC 25, stratigraphic profile	N	14/7/91
	19a	CB 25, stratigraphic profile	N	14/7/91
	20a	CE-CG 25-26	NW	14/7/91
	21a	Structure 9, northern portion	W	14/7/91
	22a	Structure 9, northern portion	E	14/7/91
	23a	Overview of Structure 9	S	14/7/91
	24a	Overview of Structure 9	N	14/7/91
	25a	Overview of Structure 9	W	14/7/91
	26a	Structure 9, entrance	W	14/7/91
	27a	Overview of Structure 9	W	14/7/91
	28a	Overview of Structure 9	NW	14/7/91
	29a	Structure 9, interior	NW	14/7/91
	30a	Structure 9, southern portion	WSW	14/7/91
	31a	Structure 9, southern portion	ENE	14/7/91
	32a	Structure 9, possible feature	NE	14/7/91
	33a	Structure 9, possible feature	NW	14/7/91
	34a	Structure 9, possible feature	SE	14/7/91
	36a	Structure 9, western portion	SE	14/7/91
C9101-4	1	Structure 9, western portion	N	14/7/91
	2	Overview of Structure 9	SE	14/7/91
	3	Overview of Structure 9	S	14/7/91
	4	BY-CB 55-56	E	14/7/91
	5	BZ-CB 55-56	S	14/7/91
	6	BK-BL 56, stratigraphic profile	S	14/7/91
	7	BK-BL 56, stratigraphic profile	S	14/7/91
	8	BW 55, in situ bones	SE	15/7/91
	9	BW 55, in situ bones	SE	15/7/91
	10	BY 56, stratigraphic profile	N	15/7/91
	11	BJ 56, stratigraphic profile	S	15/7/91
	12	BK-BL 56, stratigraphic profile	S	15/7/91

B. Black and White Prints

Roll	Negative	Subject	Orientation	Date
BW9101-1	3	Work in progress, Structures 6 and 7	E	13/6/91
	4	BN-BP 57-58, hearth area	W	22/6/91
	5	BN-BP 57-58, hearth area	S	22/6/91
	6	BN-BP 57-58, hearth area	NE	22/6/91
	7	BM-BN 57-58	SW	22/6/91
	8	BM-BN 57-58	NE	22/6/91
	9	BJ-BN 57-58	E	22/6/91
	10	BR 54	NE	22/6/91
	11	BY-BZ 55	S	24/6/91
	12	BY-BZ 55	N	24/6/91
	13	BY-BZ 55	W	24/6/91
	14	Overview of Structure 7	ENE	24/6/91
	15	Structure 9 before excavation	NW	24/6/91
	16	Structure 9 before excavation	SE	24/6/91
	17	Work in progress, Structures 6 and 7	E	26/6/91
	18	BM-BN 57, after rainfall	S	27/6/91
	19	BY-CA 55, after rainfall	SE	27/6/91
	20	BT-BU 55-57	N	27/6/91
	21	BT-BU 55-57	S	27/6/91
	22	BT-BU 55-57	O	27/6/91
	23	BT-BU 55-57	NO	27/6/91
	24	BT-BU 55-57	SE	27/6/91
	25	Structure 7 mid-passage	WSW	27/6/91
	26	Structure 7 mid-passage	ENE	27/6/91
	27	Structure 7, southern portion	WSW	27/6/91
	28	Structure 7, northern portion	W	27/6/91
	29	BU 56, hearth	N	27/6/91
	30	BS 55	W	27/6/91
	31	BQ-BR 57-58	N	27/6/91
	32	Overview of Structure 6	E	27/6/91
	33	Feature IV	S	27/6/91
	34	Overview of Structure 7	S	27/6/91
	35	Overview of Structure 6	S	27/6/91
	36	BN-BP 58, hearth area	S	27/6/91
BW9101-2	1a	Structure 9, CE 21-22	NW	30/6/91
BW9101-3	3	Overview of Structures 6 and 7 and Feature IV	W	13/7/91
	4	Feature IV	N	13/7/91
	5	Feature IV	S	13/7/91
	6	Overview of Structure 6	SW	13/7/91
	7	BU-BW 58-59	WSW	13/7/91
	8	BU-BW 58-59	WSW	13/7/91
	9	BT-BU 55-56	S	13/7/91
	10	Overview of Structure 7	S	13/7/91
	11	Overview of Structure 7	NNW	13/7/91
	12	BT-BW 55-56	S	13/7/91
	13	BT-BW 55-56	S	13/7/91
	14	BZ-CB 55-56	W	13/7/91
	15	Structure 9, northern portion	NW	14/7/91

Appendix 1. List of Photographs.

Roll	Negative	Subject	Orientation	Date
BW9101-3	16	Structure 9, northern portion	W	14/7/91
	17	Structure 9, northern portion	E	14/7/91
	18	Overview of Structure 9	S	14/7/91
	19	Overview of Structure 9	N	14/7/91
	20	Overview of Structure 9	W	14/7/91
	21	Structure 9, entrance	W	14/7/91
	22	Overview of Structure 9	W	14/7/91
	23	Overview of Structure 9	NW	14/7/91
	24	Structure 9, interior	NW	14/7/91
	25	Structure 9, southern portion	WSW	14/7/91
	26	Structure 9, southern portion	ENE	14/7/91
	27	Structure 9, possible feature	NE	14/7/91
	28	Structure 9, possible feature	NW	14/7/91
	29	Structure 9, possible feature	SE	14/7/91
	30	Structure 9, western portion	SE	14/7/91
	31	Structure 9, western portion	N	14/7/91
	32	Overview of Structure 9	SE	14/7/91
	33	Overview of Structure 9	S	14/7/91
	34	BY-CB 55-56	E	14/7/91
	35	BY-CB 55-56	S	14/7/91

C. Slides

Roll	Negative	Subject	Orientation	Date
S9101-1	3	Work in progress, Structures 6 and 7	E	13/6/91
	4	Work in progress, Structures 6 and 7	E	13/6/91
	8	BU 56, hearth area	N	14/6/91
	9	BY 55, southwest quadrant, charcoal	SE	20/6/91
	10	BN-BP 57-58, hearth area	W	22/6/91
	11	BN-BP 57-58, hearth area	S	22/6/91
	12	BN-BP 57-58, hearth area	NE	22/6/91
	13	BM-BN 57-58	SW	22/6/91
	14	BM-BN 57-58	NE	22/6/91
	15	BJ-BN 57-58	E	22/6/91
	16	BR 54	NE	22/6/91
	17	BY-BZ 55	S	24/6/91
	18	BY-BZ 55	N	24/6/91
	19	BY-BZ 55, stratigraphic profile	N	24/6/91
	20	BY-BZ 55, stratigraphic profile	N	24/6/91
	21	BY-BZ 55	W	24/6/91
	22	Overview of Structure 7	ENE	24/6/91
	23	Structure 9 before excavation	NW	24/6/91
	24	Structure 9 before excavation	SE	24/6/91
	25	Work in progress, Structures 6 and 7	E	26/6/91
	26	BM-BN 57, after rainfall	S	27/6/91
	27	BY-BZ-CA 55, after rainfall	SE	27/6/91
	28	BT-BU 55-57	N	27/6/91
	29	BT-BU 55-57	S	27/6/91
	30	BT-BU 55-57	W	27/6/91
	31	BT-BU 55-57	NW	27/6/91
	32	BT-BU 55-57	SE	27/6/91
	33	Structure 7 mid-passage	WSW	27/6/91
	34	Structure 7 mid-passage	ENE	27/6/91
	35	Structure 7, southern portion	WSW	27/6/91
	36	Structure 7, northern portion	W	27/6/91
	37	BU 56, hearth	N	27/6/91
	38	BS 55	W	27/6/91
	39	BQ-BR 57-58	N	27/6/91
S9101-2	1	Structure 9, CE 21-22	NW	30/6/91

Appendix 2

Catalogue of Lithic Specimens

Appendix 2. Catalogue of Lithic Specimens.

A. Tools

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
506	Microblade	CC 24	III	N35/E21	chert
507	Microblade	CD 25	II	N2/E30	quartz crystal
508	Microblade	CD 25	II	NE quad.	quartz crystal
509	Microblade	CF 25	III	SE quad.	chert
510	Microblade	BU 54	III	NE quad.	chert
511	Microblade	BN 55	II	N10/E60	quartzite
512	Microblade	BN 55	III	NW quad.	quartzite
513	Microblade	BT 55	III	N99/E99	quartzite
514	Microblade	BU 55	III	N60/E85	chert
515	Microblade	BU 55	III	NW quad.	chert
516	Microblade	BU 55	III	NW quad.	chert
517	Microblade	BW 55	III	N23/E7	chert
518	Microblade	BW 55	III	N35/E30	chert
519	Microblade	BW 55	III	SE quad.	chert
520	Microblade	BW 55	III	N52/E80	quartzite
521	Microblade	BW 55	III	N60/E70	chert
522	Microblade	BW 55	III	N10/E56	chert
523	Microblade	BW 55	III	N40/E60	chert
524	Microblade	BW 55	III	N49/E80	quartz crystal
525	Microblade	BW 55	III	N35/E77	chert
526	Microblade	BW 55	III	N7/E88	chert
527	Microblade	BY 55	II	N1/E17	chert
528	Microblade	BY 55	III	NE quad.	quartz crystal
529	Microblade	BY 55	III	NE quad.	quartz crystal
530	Microblade	BY 55	III	NE quad.	chert
531	Microblade	BY 55	III	N52/E76	chert
532	Microblade	BY 55	III	N45/E94	chert
533	Microblade	BY 55	III	N45/E85	chert
534	Microblade	BY 55	III	NW quad.	quartz crystal
535	Microblade	BY 55	III	NW quad.	chert
536	Microblade	BZ 55	III	N3/E49	chert
537	Microblade	BZ 55	III	N44/E33	quartz crystal
538	Microblade	BZ 55	III	N6/E10	chert
539	Microblade	BZ 55	III	NE quad.	chert
540	Microblade	BZ 55	III	NE quad.	quartz crystal
541	Microblade	BZ 55	III	NE quad	chert
542	Microblade	BM 56	III	N40/E70	quartz crystal
543	Microblade	BN 56	I	N96/E43	quartzite
544	Microblade	BN 56	III	SW quad.	quartz crystal
545	Microblade	BN 56	III	SW quad.	chert
546	Microblade	BT 56	III	N65/E47	chert
547	Microblade	BT 56	III	N81/E67	chert
548	Microblade	BU 56	II	N62/E99	chert
549	Microblade	BU 56	III	N14/E38	quartz crystal
550	Microblade	BU 56	III	N23/E56	quartz crystal
551	Microblade	BU 56	III	SE quad.	quartz crystal
552	Microblade	BU 56	III	N63/E33	quartz crystal
553	Microblade	BU 56	III	N76/E6	chert
554	Microblade	BU 56	III	N77/E25	chert
555	Microblade	BU 56	III	N52/E30	chert
556	Microblade	BU 56	III	NW quad.	chert
557	Microblade	BW 56	III	N37/E32	chert

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
558	Microblade	BW 56	III	SE quad.	chert
559	Microblade	BZ 56	II	SE quad.	chert
560	Microblade	BM 57	III	N13/E30	quartz crystal
561	Microblade	BT 57	III	N20/E27	chert
562	Microblade	BT 57	III	N22/E26	quartz crystal
563	Microblade	BT 57	III	N30/E20	quartz crystal
564	Microblade	BU 57	III	N60/E14	chert
565	Microblade	BU 57	III	SW quad.	chert
566	Microblade	BU 57	III	N68/E60	chert
567	Microblade	BN 58	II	N70/E87	quartzite
568	Microblade	BN 58	II	N73/E71	chert
569	Microblade	BN 58	II	N90/E50	chert
570	Microblade	BN 58	III	N77/E12	quartzite
571	Microblade	BN 58	III	N45/E55	chert
572	Microblade	BN 58	III	N40/E90	quartzite
573	Microblade	BR 58	III	SW quad.	chert
574	Microblade	unknown	-	-	quartz crystal
575	Microblade	unknown	-	-	quartz crystal
576	Blade	BU 55	III	SW quad.	quartz crystal
577	Blade	BW 55	III	N70/E86	chert
578	Blade	BW 55	III	N33/E88	chert
579	Blade	BZ 55	III	SE quad.	quartzite
580	Chipped point	BU 54	III	N2/E60	chert
581	Chipped point	BW 55	III	N94/E47	chert
582	Chipped point	BY 55	III	N15/E82	chert
583	Chipped point	BZ 55	III	NE quad.	quartzite
584	Chipped point	CA 55	III	SW quad.	chert
585	Chipped point	BN 56	III	N40/E10	chert
586	Chipped point	BN 56	III	SW quad.	chert
587	Chipped point	BU 56	III	N86/E25	chert
588	Chipped point	BU 56	III	SW quad.	chert
589	Chipped point	BU 56	III	N40/E56	chert
590	Chipped point	BW 56	III	N40/E70	chert
591	Chipped point	BZ 55	III	N4/E23	chert
592	Chipped point	BM 57	III	N70/E90	chert
593	Chipped point	BT 57	III	N50/E0	chert
594	Chipped point	BU 57	III	N90/E90	chert
595	Chipped point	BW 57	III	N80/E48	chert
596	Chipped point	BN 58	III	N70/E20	chert
597	Chipped point	BU 58	III	N77/E85	chert
598	Chipped point	BW 59	III	N67/E91	chert
599	Chipped point	unknown	-	-	chert
600	Chipped point	CB 24	III	N70/E53	chert
601	Chipped point	CF 25	III	N90/E30	chert
602	Chipped point	BT 54	III	N36/E16	chert
603	Chipped point	BU 54	III	N8/E8	chert
604	Chipped point	BW 54	III	N5/E95	chert
605	Chipped point	BN 55	surf.	N0/E50	chert
606	Chipped point	BW 55	III	N40/E27	chert
607	Chipped point	BZ 55	III	NE quad.	chert
608	Chipped point	BU 56	III	NE quad.	chert
609	Chipped point	BU 56	III	N66/E97	chert
610	Chipped point	BW 56	III	N62/E10	chert
611	Chipped point	BW 56	III	N60/E20	chert
612	Chipped point	BW 56	III	N99/E49	chert

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
613	Chipped point	BW 56	III	N60/E50	chert
614	Chipped point	BW 56	III	NW quad.	chert
615	Chipped point	BY 56	II	N95/E90	chert
616	Chipped point	BS 57	III	N70/E40	chert
617	Chipped point	BR 58	III	SW quad.	chert
618	Chipped point	BU 55	III	N49/E94	chert
619	Polished knife	CC 25	III	N75/E15	slate
620	Polished knife	BT 54	III	N76/E76	slate
621	Polished knife	BN 55	II	N20/E38	slate
622	Polished knife	BU 55	III	N37/E59	slate
623	Polished knife	BW 55	III	N95/E10	slate
624	Polished knife	BW 55	III	N100/E15	slate
625	Polished knife	BY 55	III	N12/E52	slate
626	Polished knife	BZ 55	II	SW quad.	slate
627	Polished knife	BZ 55	II	SW quad.	slate
628	Polished knife	BS 56	III	SW quad.	slate
629	Polished knife	BU 56	III	N25/E20	slate
630	Polished knife	BU 56	III	N27/E27	slate
631	Polished knife	BU 56	III	N88/E15	slate
632	Polished knife	BU 56	III	N40/E51	slate
633	Polished knife	BW 56	III	N57/E75	slate
634	Polished knife	BY 56	III	N100/E5	slate
635	Polished knife	BZ 56	II	N93/E3	slate
636	Polished knife	BM 57	III	N56/E20	slate
637	Polished knife	BS 57	III	N20/E60	slate
638	Polished knife	BN 58	II	N62/E55	slate
639	Polished knife	BN 58	III	N55/E35	slate
640	Polished knife	BN 58	III	N95/E15	slate
641	Polished knife	BP 58	IV	N42/E60	slate
642	Polished knife	BP 58	III	N55/E5	slate
643	Polished knife	BU 59	III	N100/E10	slate
644	Chipped knife	CF 26	II	N15/E90	slate
645	Chipped knife	BU 54	III	N2/E61	chert
646	Chipped knife	BU 54	III	N0/E98	slate
647	Chipped knife	BN 56	I	N66/E36	chert
648	Chipped knife	BU 56	III	N14/E37	chert
649	Chipped knife	BY 56	II	N50/E45	chert
650	Chipped knife	BP 58	III	N90/E20	chert
651	End scraper	CB 23	II	NW quad.	chert
652	End scraper	BU 54	III	N5/E60	chert
653	End scraper	BY 55	III	N87/E78	chert
654	End scraper	BN 56	III	SW quad.	chert
655	End scraper	BT 56	III	N74/E34	chert
656	End scraper	BU 56	III	N71/E5	quartz crystal
657	End scraper	BU 56	III	SE quad.	quartz crystal
658	End scraper	BU 56	III	N74/E70	chert
659	End scraper	BW 56	III	SE quad.	chert
660	End scraper	BP 58	IV	NW quad.	chert
661	End scraper	BP 58	III	SW quad.	chert
662	Side scraper	BS 57	II	N22/E95	chert
663	Drill	BN 58	II	N65/E55	chert
664	Tip-flute spall	CC 22	II	SE quad.	chert
665	Tip-flute spall	CB 23	III	SW quad.	chert
666	Tip-flute spall	CC 24	III	N35/E20	chert
667	Tip-flute spall	BY 55	III	SW quad.	chert

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
668	Tip-flute spall	BY 55	III	NW quad.	chert
669	Tip-flute spall	BZ 55	II	SW quad.	chert
670	Tip-flute spall	BZ 55	III	NE quad.	chert
671	Tip-flute spall	BZ 55	III	NE quad.	chert
672	Tip-flute spall	BN 56	III	N90/E20	chert
673	Tip-flute spall	BT 56	III	N45/E46	chert
674	Tip-flute spall	BU 56	III	NE quad.	chert
675	Tip-flute spall	BU 56	III	SE quad.	chert
676	Tip-flute spall	BU 56	III	SE quad.	chert
677	Tip-flute spall	BU 56	III	N59/E12	chert
678	Tip-flute spall	BU 56	III	SE quad.	chert
679	Tip-flute spall	BU 56	III	SE quad.	chert
680	Tip-flute spall	BY 56	II	SE quad.	chert
681	Tip-flute spall	BZ 56	II	SE quad.	chert
682	Tip-flute spall	BL 57	III	N30/E100	chert
683	Tip-flute spall	BM 57	III	N75/E25	chert
684	Tip-flute spall	BN 57	III	-	chert
685	Tip-flute spall	BU 57	III	N20/E35	chert
686	Tip-flute spall	BU 57	III	N82/E38	chert
687	Tip-flute spall	BW 57	III	N79/E48	chert
688	Tip-flute spall	BW 57	III	SW quad.	chert
689	Tip-flute spall	BN 58	II	N65/E55	chert
690	Tip-flute spall	BN 58	III	N45/E55	chert
691	Tip-flute spall	BP 58	III	SE quad.	chert
692	Tip-flute spall	BP 58	III	SE quad.	chert
693	Tip-flute spall	BP 58	III	SE quad.	chert
694	Tip-flute spall	BP 58	III	SE quad.	chert
695	Tip-flute spall	BP 58	III	SE quad.	chert
696	Tip-flute spall	BP 58	III	SE quad.	chert
697	Tip-flute spall	unknown	-	-	chert
698	Tip-flute spall	unknown	-	-	chert
699	Adze	BY 55	III	N70/E8	nephrite
700	Burin-like tool	BT 57	III	N70/E72	chert
701	Burin	CC 25	III	N18/E60	chert
702	Burin spall	CB 23	III	SW quad.	chert
703	Burin spall	CD 24	III	N90/E10	chert
704	Burin spall	BY 55	III	N98/E74	chert
705	Burin spall	BT 56	III	N43/E46	chert
706	Burin spall	BU 56	III	N88/E37	chert
707	Burin spall	BW 56	III	SE quad.	chert
708	Burin spall	BU 57	III	SE quad.	chert
709	Preform	BW 55	III	SE quad.	chert
710	Preform	BZ 55	III	N40/E55	chert
711	Preform	BY 56	III	SE quad.	chert
712	Preform	BU 57	III	N40/E74	chert
713	Polished fragment	BU 55	II	N90/E90	soapstone
714	Polished fragment	BU 56	II	N75/E30	soapstone
715	Polished fragment	BZ 56	II	SE quad.	soapstone
716	Biface fragment	CC 22	III	NE quad.	chert
717	Biface fragment	CC 25	III	N75/E15	chert
718	Biface fragment	CC 25	III	N52/E51	chert
719	Biface fragment	BT 54	II	NW quad.	chert
720	Biface fragment	BU 55	II	N16/E78	chert
721	Biface fragment	BU 55	III	N95/E7	chert
722	Biface fragment	BU 55	III	N60/E83	chert

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
723	Biface fragment	BU 55	III	N1/E59	chert
724	Biface fragment	BW 55	III	N43/E5	chert
725	Biface fragment	BW 55	III	N60/E55	chert
726	Biface fragment	BZ 55	III	NE quad.	chert
727	Biface fragment	CA 55	III	N23/E38	chert
728	Biface fragment	CA 55	III	SE quad.	chert
729	Biface fragment	BL 56	II	N36/E16	chert
730	Biface fragment	BM 56	II	NW quad.	chert
731	Biface fragment	BN 56	I	N98/E2	chert
732	Biface fragment	BN 56	III	N41/E11	chert
733	Biface fragment	BN 56	III	N19/E32	chert
734	Biface fragment	BN 56	III	SW quad.	chert
735	Biface fragment	BU 56	III	SE quad.	chert
736	Biface fragment	BW 56	III	SE quad.	chert
737	Biface fragment	BY 56	II	SW quad.	chert
738	Biface fragment	BY 56	II	SW quad.	chert
739	Biface fragment	BL 57	III	N30/E100	chert
740	Biface fragment	BM 57	III	N50/E18	chert
741	Biface fragment	BM 57	III	NW quad.	chert
742	Biface fragment	BW 57	III	N24/E23	chert
743	Biface fragment	BQ 58	III	SW quad.	chert
744	Biface fragment	BP 59	III	SW quad.	chert
745	Polished fragment	CB 23	II	N87/E27	slate
746	Polished fragment	CF 23	III	N80/E30	slate
747	Polished fragment	BT 54	III	SW quad.	slate
748	Polished fragment	BU 55	III	SW quad.	slate
749	Polished fragment	BW 55	III	NE quad.	slate
750	Polished fragment	BW 55	III	NE quad.	slate
751	Polished fragment	BW 55	III	SW quad.	slate
752	Polished fragment	BY 55	III	N75/E33	slate
753	Polished fragment	BY 55	III	N44/E95	nephrite
754	Polished fragment	BM 56	I	N30/E70	nephrite
755	Polished fragment	BN 56	II	N30/E30	slate
756	Polished fragment	BN 56	III	N50/E10	metabasalt
757	Polished fragment	BT 56	III	N68/E40	slate
758	Polished fragment	BT 56	III	SW quad.	slate
759	Polished fragment	BU 56	III	N88/E32	slate
760	Polished fragment	BU 56	III	SE quad.	slate
761	Adze	BW 56	III	N80/E40	nephrite
762	Polished fragment	BW 56	III	N48/E77	slate
763	Polished fragment	BU 57	III	N40/E55	slate
764	Polished fragment	BP 58	IV	NE quad.	slate
765	Microblade core	CC 22	III	N39/E6	quartz crystal
766	Microblade core	BT 55	III	N36/E67	quartz crystal
767	Microblade core	BN 56	I	N29/E25	chert
768	Microblade core	BN 56	III	N50/E10	quartz crystal
769	Microblade core	BT 56	III	N74/E15	chert
770	Microblade core	BU 56	III	N73/E14	quartz crystal
771	Microblade core	BU 56	III	N93/E72	chert
772	Microblade core	BM 57	III	N70/E80	chert
773	Microblade core	BT 57	III	N50/E0	chert
774	Flake core	BT 54	II	N30/E58	chert
775	Flake core	BU 55	III	N85/E75	metabasalt
776	Flake core	BW 55	III	N82/E54	chert
777	Flake core	CA 55	III	NE quad.	chert

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
778	Flake core	CA 55	III	N85/E10	chert
779	Flake core	CA 55	III	N90/E5	chert
780	Flake core	CA 55	III	SW quad.	metabasalt
781	Flake core	BN 56	III	N85/E20	chert
782	Flake core	BN 56	III	NW quad.	metabasalt
783	Flake core	BP 56	III	NE quad.	metabasalt
784	Flake core	BT 56	III	N35/E30	chert
785	Flake core	BT 56	III	SE quad.	metabasalt
786	Flake core	BT 56	III	SE quad.	metabasalt
787	Flake core	BT 56	III	SE quad.	metabasalt
788	Flake core	BU 56	III	N70/E70	chert
789	Flake core	BY 56	II	N96/E80	chert
790	Flake core	BZ 56	II	N98/E5	chert
791	Flake core	BL 57	III	N55/E90	chert
792	Flake core	BM 57	III	N58/E54	chert
793	Flake core	BP 58	IV	NE\quad.	chert
794	Flake core	BU 59	III	N78/E60	chert
795	Retouched flake	CB 22	III	NW quad.	chert
796	Retouched flake	CD 22	III	N100/E15	chert
797	Retouched flake	BT 54	III	SW quad.	chert
798	Retouched flake	BU 54	III	SE quad.	chert
799	Retouched flake	BN 55	II	SW quad.	chert
800	Retouched flake	BW 55	III	SW quad.	chert
801	Retouched flake	BW 55	III	NW quad.	chert
802	Retouched flake	BW 55	III	NW quad.	chert
803	Retouched flake	BY 55	III	SW quad.	chert
804	Retouched flake	CA 55	III	SW quad.	chert
805	Retouched flake	BN 56	III	NE quad.	chert
806	Retouched flake	BU 56	III	SE quad.	quartzite
807	Retouched flake	BU 56	III	SW quad.	chert
808	Retouched flake	BU 56	III	SW quad.	chert
809	Retouched flake	BU 56	III	NW quad.	chert
810	Retouched flake	BW 56	III	NW quad.	chert
811	Retouched flake	BY 56	II	SE quad.	chert
812	Retouched flake	BY 56	III	N65/E44	chert
813	Retouched flake	BZ 56	II	SE quad.	chert
814	Retouched flake	BM 57	III	N58/E54	chert
815	Retouched flake	BM 57	III	NW quad.	slate
816	Retouched flake	BS 57	III	N27/E10	chert
817	Retouched flake	BL 58	III	NW quad.	chert
818	Retouched flake	BN 58	III	N40/E90	chert
819	Retouched flake	Unknown	-	-	chert
820	Retouched flake	Unknown	-	-	chert
821	Used flake	BT 54	III	N37/E53	chert
822	Used flake	BW 55	III	N30/E14	chert
823	Used flake	BW 55	III	NW quad.	chert
824	Used flake	BY 55	III	SE quad.	chert
825	Used flake	CA 55	III	NE quad.	chert
826	Used flake	BN 56	I	N96/E43	chert
827	Used flake	BT 56	III	N80/E70	chert
828	Used flake	BU 56	III	SE quad.	chert
829	Used flake	BU 56	III	N80/E20	chert
830	Used flake	BW 56	III	SE quad.	chert
831	Used flake	BW 56	III	NW quad.	quartzite
832	Used flake	BY 56	II	SE quad.	chert

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Item	Excavation Unit	Level	Coordinates	Raw Material
833	Used flake	BY 56	II	SE quad.	chert
834	Used flake	BY 56	II	SW quad.	chert
835	Used flake	BS 59	II	SE quad.	chert
836	Used flake	BW 59	III	N20/E20	quartzite
837	Hammerstone	BU 55	III	N40/E52	quartzite
838	Hammerstone	BT 56	III	N50/E67	granite
839	Hammerstone	BP 58	III	N90/E10	granite
840	Microblade	BM 57	III	N57/E23	chert
841	Microblade	BW 55	III	N75/E80	chert
842	Microblade	BN 57	III	-	chert
1329	Used flake	BT 56	III	SW quad.	sandstone
1330	Used flake	BU 56	III	NE quad.	sandstone
1331	Flake core	BP 58	III	NE quad.	metabasalt

Appendix 2. Catalogue of Lithic Specimens.

B. Waste Flakes

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
843	CB 22	SW	II	chert	1
844	CB 22	SW	II	hyalin	1
845	CB 22	SW	III	chert	7
846	CB 22	SW	III	metabasalt	5
847	CB 22	NW	II	chert	6
848	CB 22	NW	III	chert	6
849	CB 22	NW	III	chert	1
850	CC 22	NE	II	chert	22
851	CC 22	NE	II	metabasalt	2
852	CC 22	SE	II	chert	1
853	CC 22	SE	II	quartz crystal	1
854	CC 22	NE	III	chert	23
855	CC 22	NE	III	quartz crystal	1
856	CC 22	NE	III	metabasalt	3
857	CC 22	NE	III	chert	8
858	CC 22	SE	III	chert	5
859	CC 22	SE	III	metabasalt	1
860	CD 22	SW	III	chert	3
861	CD 22	SW	III	quartz crystal	1
862	CE 22	NE	III	chert	1
863	CE 22	NW	III	chert	1
864	CF 22	NE	III	quartz crystal	1
865	CB 23	SE	II	chert	2
866	CB 23	SE	II	quartz crystal	1
867	CB 23	SW	II	chert	4
868	CB 23	NW	II	chert	8
869	CB 23	NW	II	metabasalt	4
870	CB 23	SW	III	chert	9
871	CB 23	NW	III	chert	32
872	CB 23	SE	III	chert	2
873	CB 23	SW	III	chert	36
874	CB 23	NW	III	chert	414
875	CB 23	NW	III	quartz crystal	2
876	CC 23	NE	II	chert	2
877	CC 23	NE	II	hyalin	1
878	CC 23	SE	II	chert	12
879	CC 23	SE	III	chert	22
880	CC 23	SE	III	quartz crystal	1
881	CE 23	SW	III	chert	1
882	CB 24	SW	II	chert	1
883	CB 24	SE	III	chert	3
884	CB 24	NW	III	chert	3
885	CC 24	NE	III	chert	5
886	CC 24	NE	III	metabasalt	2
887	CC 24	NW	III	chert	2
888	CC 24	NW	III	metabasalt	8
889	CC 24	NE	III	chert	2
890	CC 24	SE	III	chert	4
891	CF 24	NE	III	chert	6
892	CF 24	NW	III	schiste	1
893	CB 25	SW	II	chert	2
894	CB 25	NW	II	quartz crystal	1

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
895	CC 25	SE	II	chert	1
896	CC 25	SW	II	metabasalt	2
897	CC 25	NE	III	chert	2
898	CC 25	NE	III	quartzite	1
899	CC 25	SE	III	chert	2
900	CC 25	SE	III	quartzite	1
901	CC 25	NW	III	chert	2
902	CC 25	SE	III	chert	13
903	CD 25	NE	II	chert	1
904	CD 25	NE	II	quartz crystal	2
905	CD 25	SE	II	chert	1
906	CD 25	SE	II	quartz crystal	1
907	CD 25	NW	II	chert	2
908	CD 25	NW	II	metabasalt	1
909	CE 25	SW	II	metabasalt	1
910	CE 25	NE	III	chert	2
911	CE 25	SW	III	chert	5
912	CE 25	SW	III	quartz crystal	1
913	CE 25	SW	III	metabasalt	9
914	CE 25	NW	III	chert	3
915	CE 25	NW	III	metabasalt	7
916	CF 25	SE	III	chert	8
917	CF 25	SE	III	metabasalt	3
918	CF 25	SE	III	hyalin	1
919	CG 25	NE	II	slate	2
920	CC 26	NE	III	metabasalt	1
921	CC 26	SE	III	chert	1
922	CC 26	SE	III	quartzite	1
923	CF 26	NW	II	chert	2
924	BR 54	NE	I	chert	7
925	BR 54	NE	II	chert	14
926	BR 54	SE	II	chert	5
927	BR 54	SE	II	quartz crystal	1
928	BR 54	SW	II	quartzite	3
929	BR 54	NW	II	chert	3
930	BR 54	NE	III	chert	10
931	BR 54	SE	III	chert	3
932	BR 54	SW	III	chert	5
933	BR 54	NW	III	chert	21
934	BR 54	SE	III	chert	1
935	BT 54	SE	surf.	chert	6
936	BT 54	NW	surf.	chert	1
937	BT 54	NW	II	chert	64
938	BT 54	NW	II	slate	1
939	BT 54	NE	III	chert	53
940	BT 54	NE	III	slate	1
941	BT 54	NE	III	metabasalt	2
942	BT 54	SE	III	chert	4
943	BT 54	SW	III	chert	4
944	BT 54	SW	III	slate	2
945	BU 54	NE	III	chert	33
946	BU 54	NE	III	hyalin	1
947	BU 54	SE	III	chert	11
948	BU 54	SE	III	quartz crystal	2
949	BU 54	NW	III	chert	37

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
950	BU 54	NW	III	quartzite	1
951	BW 54	NE	III	chert	4
952	BW 54	NW	III	chert	2
953	BY 54	NW	II	chert	1
954	BY 54	NE	III	chert	5
955	BY 54	NW	III	chert	3
956	BM 55	SE	surf.	slate	1
957	BM 55	NE	III	chert	9
958	BN 55	NE	surf.	chert	3
959	BN 55	SE	surf.	chert	7
960	BN 55	NE	II	chert	4
961	BN 55	NW	II	chert	1
962	BN 55	SW	III	chert	1
963	BN 55	SW	III	slate	1
964	BN 55	NW	III	chert	46
965	BN 55	NW	III	metabasalt	1
966	BN 55	NW	III	slate	5
967	BP 55	NE	III	chert	2
968	BR 55	NW	I	chert	2
969	BS 55	NW	III	chert	2
970	BT 55	NW	II	chert	2
971	BT 55	NE	III	chert	3
972	BT 55	SE	III	chert	15
973	BT 55	SE	III	slate	4
974	BT 55	SW	III	chert	28
975	BT 55	NW	III	chert	3
976	BU 55	SW	II	chert	2
977	BU 55	NW	II	chert	4
978	BU 55	NE	III	chert	8
979	BU 55	SE	III	chert	13
980	BU 55	SW	III	chert	24
981	BU 55	SW	III	slate	1
982	BU 55	SW	III	metabasalt	2
983	BU 55	NW	III	chert	28
984	BU 55	NW	III	chert	7
985	BU 55	NW	III	metabasalt	1
986	BU 55	SW	III	chert	7
987	BU 55	NW	III	chert	19
988	BU 55	NW	III	metabasalt	2
989	BU 55	NW	III	quartzite	1
990	BW 55	NE	II	chert	1
991	BW 55	SW	II	chert	1
992	BW 55	NE	III	chert	28
993	BW 55	NE	III	slate	7
994	BW 55	NE	III	hyalin	1
995	BW 55	SE	III	chert	26
996	BW 55	SW	III	chert	41
997	BW 55	SW	III	slate	2
998	BW 55	SW	III	quartz crystal	1
999	BW 55	SW	III	quartzite	1
1000	BW 55	SW	III	quartzite	1
1001	BW 55	NW	III	chert	23
1002	BW 55	NW	III	slate	3
1003	BW 55	NE	III	chert	12
1004	BW 55	NE	III	slate	2

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
1005	BW 55	SE	III	chert	15
1006	BW 55	SE	III	slate	2
1007	BW 55	SW	III	chert	1
1008	BW 55	NW	III	chert	49
1009	BW 55	NW	III	slate	2
1010	BW 55	NW	III	quartzite	1
1011	BY 55	NE	II	chert	5
1012	BY 55	NE	II	metabasalt	1
1013	BY 55	NW	II	chert	1
1014	BY 55	NE	III	chert	186
1015	BY 55	NE	III	metabasalt	4
1016	BY 55	NE	III	quartz crystal	2
1017	BY 55	SE	III	chert	21
1018	BY 55	SE/SW	III	chert	9
1019	BY 55	SW	III	chert	29
1020	BY 55	NW	III	chert	9
1021	BY 55	NE	III	chert	4
1022	BY 55	NE	III	slate	1
1023	BY 55	SE	III	chert	7
1024	BY 55	SE	III	metabasalt	1
1025	BY 55	SW	III	chert	2
1026	BY 55	NW	III	chert	7
1027	BY 55	SE	III	chert	3
1028	BY 55	NW	III	chert	26
1029	BY 55	NW	III	metabasalt	2
1030	BY 55	NW	III	hyalin	1
1031	BZ 55	NE	II	chert	1
1032	BZ 55	SW	II	chert	412
1033	BZ 55	NE	III	chert	2
1034	BZ 55	NE	III	metabasalt	1
1035	BZ 55	SE	III	chert	1
1036	BZ 55	NW	III	chert	2
1037	BZ 55	NE	III	chert	52
1038	BZ 55	NE	III	chert	59
1039	BZ 55	NE	III	chert	31
1040	BZ 55	SE	III	chert	8
1041	BZ 55	NE	III	metabasalt	1
1042	BZ 55	NE	III	hyalin	1
1043	BZ 55	NE	III	quartz crystal	2
1044	BM 56	NW	surf.	chert	3
1045	BM 56	NW	II	chert	12
1046	BM 56	NW	II	metabasalt	2
1047	BM 56	NW	II	slate	1
1048	BM 56	SW	I	chert	7
1049	BM 56	SW	I	chert	6
1050	BM 56	SW	III	quartz crystal	1
1051	BN 56	NE	surf.	chert	7
1052	BN 56	SE	I	chert	4
1053	BN 56	SE	I	metabasalt	1
1054	BN 56	SE	I	chert	6
1055	BN 56	NE	II	chert	32
1056	BN 56	SE	III	quartz crystal	1
1057	BN 56	SE	III	slate	8
1058	BN 56	SE	III	chert	301
1059	BN 56	NE	III	chert	275

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
1060	BN 56	SE	III	chert	20
1061	BN 56	SE	III	slate	1
1062	BN 56	SW	III	chert	35
1063	BN 56	SW	III	quartz crystal	1
1064	BN 56	SW	III	metabasalt	3
1065	BN 56	SW	III	slate	5
1066	BP 56	NE	III	slate	1
1067	BP 56	NE	III	chert	47
1068	BP 56	NE	III	hyalin	1
1069	BP 56	NW	III	chert	12
1070	BR 56	SE	III	chert	1
1071	BR 56	NW	III	chert	1
1072	BS 56	SE	III	chert	1
1073	BT 56	SW	II	chert	1
1074	BT 56	SE	II	chert	2
1075	BT 56	NW	IV	chert	1
1076	BT 56	SE	III	chert	28
1077	BT 56	SE	III	slate	2
1078	BT 56	SW	III	sandstone	1
1079	BT 56	SW	III	chert	14
1080	BT 56	SW	III	slate	2
1081	BT 56	NE	III	slate	3
1082	BT 56	NE	III	chert	25
1083	BT 56	NE	III	chert	60
1084	BT 56	SE	III	chert	15
1085	BT 56	SW	III	chert	13
1086	BU 56	NE	I	chert	3
1087	BU 56	NE	II	chert	4
1088	BU 56	NE	III	chert	23
1089	BU 56	NE	III	slate	2
1090	BU 56	NE	III	sandstone	1
1091	BU 56	NE	III	chert	15
1092	BU 56	NE	III	slate	2
1093	BU 56	NE	III	sandstone	1
1094	BU 56	SE	II	chert	3
1095	BU 56	SE	III	chert	1
1096	BU 56	SE	III	chert	219
1097	BU 56	SE	III	chert	118
1098	BU 56	SE	III	chert	22
1099	BU 56	SE	III	quartz crystal	1
1100	BU 56	SE	III	slate	6
1101	BU 56	SE	III	chert	8
1102	BU 56	SE	III	quartz crystal	1
1103	BU 56	SE	III	slate	4
1104	BU 56	SE	III	chert	38
1105	BU 56	SE	III	slate	1
1106	BU 56	SE	III	quartz crystal	1
1107	BU 56	SE	III	chert	65
1108	BU 56	SE	III	slate	8
1109	BU 56	SE	III	quartz crystal	3
1110	BU 56	NW	I	chert	1
1111	BU 56	NW	III	metabasalt	1
1112	BU 56	NW	III	chert	11
1113	BU 56	NW	III	chert	7
1114	BU 56	NW	III	slate	2

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
1115	BU 56	NW	III	chert	5
1116	BU 56	NW	III	sandstone	1
1117	BU 56	SW	II	chert	3
1118	BU 56	SW	III	chert	31
1119	BU 56	SW	III	metabasalt	3
1120	BU 56	SW	III	sandstone	5
1121	BU 56	SW	III	chert	18
1122	BU 56	SW	III	quartz crystal	1
1123	BU 56	SW	III	metabasalt	2
1124	BU 56	SW	III	sandstone	3
1125	BU 56	SW	III	milky quartz	1
1126	BU 56	NE	III	chert	8
1127	BU 56	NW	III	hyalin	1
1128	BU 56	NW	III	chert	25
1129	BU 56	SE	III	chert	31
1130	BU 56	SW	III	chert	57
1131	BW 56	NE	III	chert	2
1132	BW 56	NE	III	sandstone	2
1133	BW 56	SE	I	chert	1
1134	BW 56	SE	III	chert	8
1135	BW 56	SE	III	sandstone	1
1136	BW 56	SE	III	metabasalt	2
1137	BW 56	SE	III	chert	6
1138	BW 56	SE	III	metabasalt	1
1139	BW 56	SW	II	chert	1
1140	BW 56	SW	III	chert	2
1141	BW 56	SW	III	chert	7
1142	BW 56	NW	III	chert	3
1143	BW 56	NW	III	chert	5
1144	BW 56	SE	III	chert	11
1145	BW 56	NE	III	chert	3
1146	BW 56	SW	III	chert	2
1147	BW 56	NW	III	chert	15
1148	BW 56	NW	III	quartz crystal	1
1149	BY 56	SW	II	chert	20
1150	BY 56	SE	II	chert	10
1151	BZ 56	SE	II	chert	17
1152	BL 57	NW	III	chert	2
1153	BL 57	NW	III	chert	243
1154	BM 57	NE	III	quartz crystal	1
1155	BM 57	NE	III	chert	10
1156	BM 57	NE	III	slate	3
1157	BM 57	NE	III	quartz crystal	1
1158	BM 57	NE	III	chert	27
1159	BM 57	NW	III	chert	169
1160	BM 57	NW	III	slate	2
1161	BM 57	NO	III	quartz crystal	1
1162	BM 57	NO	III	quartz	1
1163	BM 57	NO	III	quartz crystal	1
1164	BM 57	SW	III	chert	21
1165	BM 57	SW	III	slate	2
1166	BM 57	SW	III	chert	29
1167	BM 57	SW	III	slate	1
1168	BM 57	SW	III	chert	21
1169	BM 57	SW	III	quartz crystal	1

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
1170	BM 57	SE	III	chert	220
1171	BM 57	SE	III	slate	2
1172	BM 57	SE	III	chert	22
1173	BM 57	SE	III	quartzite	1
1174	BM 57	SE	III	slate	1
1175	BM 57	SE	III	quartz crystal	1
1176	BM 57	SE	III	chert	9
1177	BM 57	SE	III	slate	2
1178	BN 57	SW	III	chert	35
1179	BN 57	SE	III	chert	25
1180	BP 57	SE-SW	III	chert	7
1181	BQ 57	NW	III	chert	2
1182	BQ 57	SW	III	chert	1
1183	BR 57	SW	III	chert	8
1184	BS 57	NW	III	chert	36
1185	BS 57	NW	III	chert	2
1186	BS 57	SW	surf.	chert	1
1187	BS 57	SW	II	chert	15
1188	BS 57	NE	II	chert	140
1189	BS 57	NE	II	quartz crystal	1
1190	BS 57	NE	III	chert	144
1191	BS 57	SE	III	chert	56
1192	BS 57	SE	III	quartzite	10
1193	BS 57	SE	III	slate	2
1194	BS 57	SE	III	chert	1
1195	BT 57	NW	III	chert	1
1196	BT 57	NE	III	chert	4
1197	BT 57	NE	III	quartz crystal	1
1198	BT 57	NE	III	chert	2
1199	BT 57	NE	III	chert	1
1200	BT 57	NE	III	chert	1
1201	BT 57	SW	III	chert	3
1202	BT 57	SW	III	chert	1
1203	BT 57	SW	III	chert	2
1204	BT 57	SE	III	chert	2
1205	BT 57	SE	III	chert	1
1206	BT 57	SE	III	chert	2
1207	BU 57	NE	III	chert	4
1208	BU 57	NW	III	chert	2
1209	BU 57	SW	III	sandstone	4
1210	BU 57	SW	III	chert	7
1211	BU 57	SW	III	chert	6
1212	BU 57	SW	III	chert	6
1213	BU 57	SW	III	chert	5
1214	BU 57	SW	III	chert	6
1215	BU 57	SE	III	chert	44
1216	BU 57	SE	III	chert	2
1217	BU 57	SE	III	chert	1
1218	BU 57	SE	III	quartz crystal	1
1219	BU 57	SE	III	chert	1
1220	BU 57	SE	III	chert	6
1221	BU 57	SE	III	chert	3
1222	BU 57	SE	III	chert	4
1223	BU 57	SE	III	chert	3
1224	BW 57	NW	III	chert	2

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
1225	BW 57	SE	III	chert	18
1226	BW 57	SE	III	milky quartz	1
1227	BW 57	SE	III	quartz crystal	1
1228	BW 57	SW	III	chert	6
1229	BL 58	NW	III	chert	4
1230	BL 58	NW	III	chert	1
1231	BJ 58	NE	III	chert	5
1232	BM 58	SE	III	chert	2
1233	BN 58	SE	surf.	chert	16
1234	BN 58	SE	I	chert	3
1235	BN 58	SE	I	slate	1
1236	BN 58	SE	II	chert	5
1237	BN 58	SE	II	sandstone	1
1238	BN 58	SE	III	chert	64
1239	BN 58	SE	III	slate	2
1240	BN 58	SE	III	chert	3
1241	BN 58	SE	III	slate	1
1242	BN 58	SE	III	chert	6
1243	BN 58	SE	III	metabasalt	1
1244	BN 58	SE	III	chert	14
1245	BN 58	SE	III	slate	3
1246	BN 58	SE	III	sandstone	2
1247	BN 58	SW	surf.	chert	29
1248	BN 58	SW	surf.	slate	1
1249	BN 58	SW	II	chert	10
1250	BN 58	SW	II	slate	1
1251	BN 58	SW	II	chert	10
1252	BN 58	SW	II	chert	20
1253	BN 58	SW	II	slate	1
1254	BN 58	SW	II	chert	8
1255	BN 58	SW	II	slate	1
1256	BN 58	NE	surf.	chert	8
1257	BN 58	NE	surf.	quartzite	1
1258	BN 58	NE	II	chert	1
1259	BN 58	NE	III	chert	13
1260	BN 58	NE	III	sandstone	1
1261	BN 58	NE	III	chert	7
1262	BN 58	SW	II	metabasalt	1
1263	BN 58	NW	III	chert	2
1264	BN 58	NW	III	chert	3
1265	BN 58	NW	III	sandstone	1
1266	BN 58	NW	III	chert	3
1267	BN 58	NW	III	chert	8
1268	BN 58	NW	III	slate	2
1269	BN 58	NW	III	chert	5
1270	BP 58	NW	IV	chert	66
1271	BP 58	NW	IV	quartz crystal	2
1272	BP 58	NW	IV	slate	2
1273	BP 58	NW	IV	milky quartz	1
1274	BP 58	NE	IV	chert	10
1275	BP 58	NE	III	chert	10
1276	BP 58	NE	III	metabasalt	1
1277	BP 58	SW	III	chert	72
1278	BP 58	SW	III	milky quartz	1
1279	BP 58	SW	III	quartzite	10

Appendix 2. Catalogue of Lithic Specimens.

Catalogue No.	Excavation Unit	Quadrant	Level	Raw Material	Number of Flakes
1280	BP 58	SW	III	metabasalt	1
1281	BP 58	SW	III	chert	7
1282	BP 58	SW	III	quartz crystal	1
1283	BP 58	SE	III	chert	46
1284	BP 58	SE	III	metabasalt	1
1285	BP 58	SE	III	quartzite	1
1286	BP 58	SE	III	metabasalt	7
1287	BP 58	SE	III	chert	6
1288	BP 58	SE	III	quartz crystal	1
1289	BQ 58	SW	III	chert	2
1290	BQ 58	SW	III	chert	2
1291	BR 58	SW	II	chert	5
1292	BR 58	SW	III	chert	40
1293	BR 58	SW	III	metabasalt	1
1294	BR 58	NW	III	chert	21
1295	BR 58	NW	III	quartzite	1
1296	BS 58	SE	III	chert	91
1297	BT 58	NW	III	chert	5
1298	BT 58	NW	III	chert	1
1299	BU 58	SE	III	chert	1
1300	BU 58	NE	III	chert	1
1301	BP 59	SE	III	chert	3
1302	BS 58	NE	III	chert	15
1303	BS 59	SW	II	chert	5
1304	BS 59	SW	III	chert	18
1305	BS 59	SW	III	metabasalt	7
1306	BS 59	SE	II	slate	2
1307	BS 59	NE	III	chert	25
1308	BS 59	NE	III	slate	2
1309	BS 59	NE	III	quartzite	1
1310	BS 59	NE	III	quartz crystal	1
1311	BS 59	NE	III	metabasalt	1
1312	BU 59	NW	III	chert	1
1313	BU 59	NW	III	chert	1
1314	BU 59	SE	III	chert	3
1315	BW 59	SW	III	quartzite	5
1316	BW 59	SW	III	chert	1
1317	BW 59	SE	III	chert	1
1318	CA 55	SE	III	chert	29
1319	CA 55	SE	III	chert	673
1320	CA 55	NW	III	chert	4
1321	CA 55	NE	III	chert	10
1322	CA 55	SW	III	chert	4
1323	CA 55	SW	III	quartz	2
1324	CA 56	-	III	chert	5
1325	CA 56	-	III	metabasalt	1
1326	unknown	Gen, prov.	-	chert	100
1327	unknown	Gen, prov.	-	slate	7
1328	BN 57	-	III	chert	22
1332	BW 55	SE	III	chert	3

Appendix 3

List of Organic Remains

Appendix 3. List of Organic Remains

A. Osteological Collection

M^2	Quadrant	Number of Bones
BW 55	NE	5
BW 55	SE	515
BW 55	NE	28
BW 55	NE	13
BW 56	SE	14
BY 55	NW	3
BY 55	NE	27
BY 56	SW	1
BZ 55	NE/SE	37
BU 56	NW	5
BU 56	NW	94
BU 56	NE/NW	26
BU 56	SW	15
BU 56	SW	2
BU 57	NW	2
BU 57	SW	2
BU 57	SE	24
	Total	813

All bones were collected in Level III.

B. Charcoal Samples

Sample No.	M^2	Quadrant
91.1	BY 55	SE-SW
91.2	BT 56	SE
91.3	BT 56	SE
91.4	BU 56	SW
91.5	BU 56	NE-SE
91.6	BW 55	NE
91.7	BZ 55	NE
91.8	BN 59	SW
91.9	BN 58	NW
91.10	BN 58	SW
91.11	BS 59	NE
91.12	BU 59	NE
91.13	BN 58	NW
91.14	BN 58	NW
91.15	BN 56	SE
91.16	BM 56	NW