Form No. 10-306 (Rev. 10-74)

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM

FOR N	PS USE	ONLY			
		AUG	c 19	179	
RECEN	VED	HUU	U .•		
	-		F	FB	8 1980
DATE	ENTERE	D		bia had	- 14.44

FOR FEDERAL PROPERTIES

SEE INSTRUCTIONS IN HOW TO COMPLETE NATIONAL REGISTER FORMS TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC

Grand Wash Archeological District

AND/OR COMMON Grand Wash Archeological District

2 LOCATION

STREET & NUMBER

Lake Mead National	Recreation Area	NOT FOR PUBLICATIO	N	
CITY, TOWN		CONGRESSIONAL DI	STRICT	
	VICINITY OF	3	,	
STATE Arizona	CODE 7	county Mohave	CODE 015	
OT A CONTRACTOR				

3 CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRES	ENT USE
	PUBLIC	OCCUPIED	AGRICULTURE	MUSEUM
BUILDING(S)	PRIVATE		COMMERCIAL	<u> </u>
STRUCTURE	ВОТН	WORK IN PROGRESS	EDUCATIONAL	PRIVATE RESIDENCE
SITE	PUBLIC ACQUISITION	ACCESSIBLE	ENTERTAINMENT	RELIGIOUS
OBJECT	IN PROCESS	XYES: RESTRICTED	GOVERNMENT	SCIENTIFIC
	BEING CONSIDERED	YES: UNRESTRICTED	INDUSTRIAL	TRANSPORTATION
		NO	MILITARY	OTHER:

4 AGENCY

REGIONAL HEADQUARTERS: (If applicable)

National Park Service, Western Region

STREET & NUMBER

450 Golden Gate Avenue, Box 36063

CITY.TOWN San Francisco

VICINITY OF

STATE California 94102

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,

REGISTRY OF DEEDS ETC. National Park Service, Western Archeological Center

STREET & NUMBER

P. O. Box 41058

Tucson

Tucson

Arizona 85717

<u>Arizona 85717</u>

STATE

6 REPRESENTATION IN EXISTING SURVEYS

TITLE (1) Wahl-Yee Mineral Lease Survey; (2) Mobil Mineral Lease Survey (Grand Wash Cliffs Project)

					•					
 (1) 197	7; (2) 19	78		_XF	EDERALSTATEC	COUNTYLO	CAL			
 DEPOSITORY FOR SURVEY RECORDS	National	Park	Service,	Western	Archeological	Center,	P. (0.	Box	41058
 CITY, TOWN						STATE				

7 DESCRIPTION

CONDITION

EXCELLENT GOOD FAIR ___DETERIORATED X_RUINS ___UNEXPOSED

CHECK ONE

___ALTERED

CHECK ONE

CORIGINAL SITE

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The district is made up of

These boundaries are arbitrary and represent two proposed mineral leases, the Wahl-Yee and Mobil leases. Mineral exploration as part of these leases could disturb a number of archeological sites. See attached maps showing sites in each Section.

The district is in the Basin and Range Province, characterized locally by soft and easily eroded Late Cenozoic sediments and lava flows. Topography includes one major wash (Grand Wash), three large tributary washes (Gyp, Pigeon and Tassi), and stark badlands carved from soft gypsum soils. Vegetation is Mohave desertscrub, dominated by credsotebush (Larrea divaricata) and including bursage (Franseria), saltbush (Atriplex), cholla and prickly pear cactus (Opuntia spp.) and Mohave yucca (Yucca shidigera). Grasses are present but are heavily grazed by cattle. Animals are rare; they include jackrabbits (Lepus Californicus), desert tortoise (Gopherus agassizi), and small birds and lizards. Of these species, grasses, cacti, yucca, jackrabbits, tortoises and lizards, although not bountiful, were likely human food sources. Far more important to ancient users of this land were the cobbles of workable stone to be found in the local desert gravel cover.

Previous research consists of two intensive archeological surveys. In 1977, Carole McClellan and George Teague (National Park Service - Western Archeological Center) conducted a 100 percent survey of

In 1978, McClellan and David A. Phillips, Jr. (National Park Service - Western Archeological Center), surveyed the remaining sections. One hundred percent of this area was surveyed in 258 man-hours. Better coverage was given to the ridge tops and gentle slopes than to very steep slopes. In addition to this survey, some additional intensive studies were made. These are additional activities consisted of transect studies across three sites, random collection on two sites, and the study of one feature, a sleeping circle. The entire area was covered, and all sites and isolated artifacts were recorded. Features within sites were plotted and described individually. The surveys found 206 sites and isolated artifacts; the sites incorporate more than 1000 chipping stations. Primary use of the area seems to have been procurement and initial reduction of cores from nodules of stone found naturally in the gravels that cover much of the survey area. Three aboriginal campsites and one Anglo campsite also were found, and limited hunting and food gathering took place. For the prehistoric and protohistoric periods, direct evidence of Anasazi (A.D. 1-1150) and Paiute (A.D. 1150-1890) occupation was found. However, it is likely that use of the area began much earlier, in Archaic (3000 B.C. - A.D. 1) times.

No excavation has been done within the district. The limited surface collections made by McClellan and Phillips in 1978 support the interpretation of the area as one where workable stone was obtained.

In summary, the archeological resources of the district have been identified, but very little research has been done.

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM



DESCRIPTION	· ·	7		
CONTINUATION SHEET		ITEM NUMBER	PAGE 2	

The 206 sites vary greatly in terms of density and number of features. Chipping activities were heaviest where large nodules of chert or chalcedony are common in the local gravel cover. In other areas, such as the **surface** gravels are rare or lacking and sites, therefore, are absent. Archeological remains also are denser near large washes, which would have served as natural routes of travel, and on ridgetops. Site size varies from isolated artifacts (usually in areas without chippable stone) to an extensive, variable scatter covering several square kilometers. Since degrees of patination occur within sites and individual chipping stations, it is likely that sites represent sporadic use of areas by a succession of cultures, rather than temporally restricted use by distinct cultures.

The majority of the remains probably date to the prehistoric (Archaic, Anasazi, Paiute) period. However, Paiutes continued to use the area in historic times. Accounts by members of the Wheeler survey (Smith 1972: 173-178) and of Mormon wagon parties (all on their way to Pearce Ferry on the Colorado) place parties of Paiute at locations just north and south of the district proper. Individual Paiutes were known to wander in the area after the start of the reservation period---in one case, well into the 20th century. The one definite Paiute site found (a campsite) could date to either prehistoric or historic times.

From 1860 on, the district was traversed by Anglo parties using the Pearce Ferry Crossing of the Colorado, to the south. Notable groups using the crossing (and, therefore, passing through the district) included parties of Mormon missionaries under Jacob Hamblin, detachments of the Wheeler Survey, and Mormon emigrant parties. No direct evidence of these parties was found, however, The only early Anglo site (a campsite) was found

which suggests travel to places other than the ferry.

From about 1900 on, the district has been part of the range for **Constitution**, However, no early remains of this ranching activity were found. Cattle-grazing has had little effect on the remains, and the most extensive land modification to date--construction of dirt and gravel roads--seems to have had an equally minor effect. The area nominated is presently undeveloped and lies approximately 120 kilometers from the **Construction**. Because of its isolated location, minimal protection would be afforded the site at this time. Interpretation and maintenance of the area would also be minimal.

The West half of

general management plan for Lake Mead National Recreation Area has been scheduled to begin in FY 1980 which will address areas considered for future development.

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM



DESCRIPTION	7		
CONTINUATION SHEET	ITEM NUMBEŘ	PAGE 3	

At the present time we do not foresee development of that area in the near future. The presence of archeological resources within the **Constant of Second Second** mineral lease areas has been discussed in the "Grand Wash Cliffs Environmental Assessment for Management Options for Oil and Gas Lease Applications" (Department of the Interior 1978). Before development could proceed in these areas, compliance with Section 106 of the National Historic Preservation Act would have to be met.

Site Nomenclature: the accompanying maps from McClellan and Phillips' 1978 report show the 130 sites given offical Arizona State Museum trinomial designations (Arizona A:9:1-129 inclusive and Arizona A:13:2) and 76 field numbers indicating isolated materials. Scuares on the maps illustrate trinomial site numbers which were assigned to quarry sites: (composed of from 2 to 125 separate internal features), campsites which may possess rock rings or other constructions, and tool production sites. Internal features are shown: within tinted areas of each site's area, often arbitrarily separated from each other. Isolated artifacts or lithic materials are not shown on the maps. Of the nearly 1000 internal site features, less than 5% were greater than 10x10 meters in extent and a majority were less than 5x5 meters in size. Most isolated artifacts or lithic clusters measured only 1x1 meter but most trinomial numbered sites were at least 500x500 meters, the maximum being 2300x1100 meters.

8 SIGNIFICANCE

PERIOD	AF	REAS OF SIGNIFICANCE CH	IECK AND JUSTIFY BELOW	
XPREHISTORIC	_XARCHEOLOGY-PREHISTORIC	COMMUNITY PLANNING	LANDSCAPE ARCHITECTURE	
<u>X</u> 1500-1599		ECONOMICS	LITERATURE	SCULPTURE
<u>1600-1699</u> 1700-1799	ARCHITECTURE ART	EDUCATION ENGINEERING	MUSIC	SOCIAL/HUMANITARIAN THEATER
<u>X</u> 1800-1899 1900-	COMMERCE COMMUNICATIONS	EXPLORATION/SETTLEMENT	PHILOSOPHY POLITICS/GOVERNMENT	TRANSPORTATION
	$\frac{1}{2} = \frac{1}{2} \left(\frac{1}{2} + 1$			

SPECIFIC DATES

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

11.11

1000 Hereit and the 3 Marshell 6 6 . 15 The archeological remains of the Grand Wash District are comprised almost entirely of chipped stone (unused flakes, cores, etc.), although four campsites--three aboriginal and one Anglo--were found. Such remains can be studied in terms of culture history, site function, and human adaptation to arid environments. The remains are surficial and, therefore, any activity which disturbs land surfaces, including increased access by visitors, will have a serious effect on the resources. Park Service themes applicable to the district are:

> (1) THE ORIGINAL INHABITANTS--(c) Indian Meets European, and (f) Aboriginal Technology;

(6) WESTERN EXPANSION, 1763-1898--(d) Western Trails and Travelers.

From a historic point of view, the significance of the district is local. It represents an area where prehistoric and historic Indians obtained stone for making tools, and on occasion hunted, gathered plant foods or camped. The historic Anglo wagon routes to Pearce Ferry passed through the district; one route ran down Grand Wash and the other cut cross-country, probably from

The district's primary significance lies in its potential for archeological research. Archeological remains can be used to outline the different cultures that used this desert area and when. At present it seems that aboriginal cultures used the district primarily as a source for chipped stone, but this remains a hypothesis. Research still is needed on such basic questions as: which culture groups used the area, and how intensively? what is the range of activities at sites? how do the stone-chipping areas relate to general patterns of tool making, use and discard: and how does the area relate to regional prehistory? A sedentary culture such as the Anasazi may have used the area much differently than a nomadic culture such as the Paiute. The exact nature of the Anglo takeover from Paiutes in the Grand Wash is poorly understood and deserves further study.

A key to archeological value of the district resource is that it represents one segment of a larger settlement and land-use pattern. In historic times, the Grand Wash area was occupied by the Shivwits Paiute, whose territory encompassed a much larger area and who wandered throughout that area in search of seasonal foods. A similar pattern of seasonal exploitation of given areas seems to have held throughout the area's prehistory. The district's role in such seasonal rounds should be clarified; interpretation of the quarrying activity as lithic

ATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM



SIGNIFICANCE	8	-
CONTINUATION SHEET	ITEM NUMB	BER PAGE ²

technology requires knowledge of its function in the overall adaptive strategy of ancient peoples.

Taking such a perspective, McClellan and Phillips (1978) have suggested that areas like the district could be used in the study of human adaptation to arid lands, since for hundreds of millions of people living under such conditions is a daily problem. Modern "engineering" solutions often are beyond their means or, when subsidized, create new problems of their own. The desert portions of the Southwest provide a record of adaptive strategies and techniques not based on industrial/fossil fuel technology. Archeologists can describe prehistoric approaches to land and water use, whether these succeeded, and why. They also can consider variables such as drought and population size, and how they affect adaptations to arid lands. While the district by itself cannot provide solutions to these problems, it is a necessary part of the data base for the Lake Mead region.

One factor that enhances the significance of the district is the good state of preservation of the remains. Although erosion has disturbed a few areas and dirt and gravel roads may have disturbed some sites, in most of the district chipping and tool-working activities still can be isolated and studied in terms of individual actions. In other words, stages and techniques of tool preparation need not be inferred from form, but can be established directly from the composition of chipping stations.

In summary, the Grand Wash Archeological District is made up mostly of archeological remains representing a narrow spectrum of prehistoric and historic human activities. However, the integrity of the remains, and the existence of identifiable features within sites, means that the district is an excellent example of aboriginal technology and specialized land use. As such, it is a significant resource for interpreting local and regional prehistory and early history, as well as for problem-oriented archeological study.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Belshaw, Mike and Ed Peplow, Jr.

1978 "Historic Resources Study: Lake Mead National Recreation Area, Nevada." Research report on file at Western Archeological Center, Tucson, AZ.

(continued on continuation sheet)

		ينتني وبيها الموجود أوواني تبسيها الازبية البنية بتورياتهم		كالمتهور ومراجع والمنافع فالمراجع والمتحد والمتحد والمتحد والمتحد والمحد والمحد والمحد والمحد والمحد
OGEOGRAPHICAI	L DATA			
ACREAGE OF NOMINATED PRC	OPERTY 8,960			
UTM REFERENCES				
ZONE EASTING	NORTHING	ZONE	EASTING	Ne
C				
VERBAL BOUNDARY DES	CRIPTION	······································	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	
his property is comp	rised of			
his property is comp				a da angelaria da an Angelaria da angelaria da angelari
in the	e Lake Mead Natio	nal Recreation	on Area, Arizona.	
1	an gill An an an			at year dae to
LIST ALL STATES AN	D COUNTIES FOR PROP	ERTIES OVERLAPP	ING STATE OR COUNTY BOUN	IDARIES
STATE	CODE	COUNTY		CODE
	0005			0005
STATE	CODE	COUNTY		CODE
FORM PREPAREI NAME/TITLE Dr. Keith avid A. Phillips, Jr.) BY Anderson,(Region (Archeologist)	al Research A and Carole Mc	Archeologist) Clellan (Archeologis	it)
FORM PREPAREI NAME/TITLE Dr. Keith VId A. Phillips, Jr. ORGANIZATION Estern Archeological) BY Anderson, (Region (Archeologist) Center	al Research A and Carole Mc	Archeologist) Clellan (Archeologis DATE March 1,1979	et)
FORM PREPAREI NAME/TITLE Dr. Keith avid A. Phillips, Jr. ORGANIZATION estern Archeological STREET & NUMBER O Box (1058) BY Anderson, (Region (Archeologist) Center	al Research A and Carole Mc	Archeologist) Clellan (Archeologis DATE <u>March 1,1979</u> TELEPHONE (602) 792-6501 (FTS	762-6477 762-6501)
FORM PREPAREI NAME/TITLE Dr. Keith vid A. Phillips, Jr. ORGANIZATION estern Archeological STREET & NUMBER O. Box 41058 CITY OR TOWN) BY Anderson, (Region (Archeologist) Center	al Research A and Carole Mc	Archeologist) Clellan (Archeologis DATE <u>March 1,1979</u> TELEPHONE (602) 792-6501 (FTS STATE	762-6477 762-6501)
FORM PREPAREI NAME/TITLE Dr. Keith Avid A. Phillips, Jr. ORGANIZATION Estern Archeological STREET & NUMBER O. Box 41058 CITY OR TOWN) BY Anderson, (Region (Archeologist) Center	al Research A and Carole Mc	Archeologist) Clellan (Archeologis DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717	762-6477 762-6501)
FORM PREPAREI NAME/TITLE Dr. Keith VID A. Phillips, Jr. ORGANIZATION ESTERT Archeological STREET & NUMBER O. BOX 41058 CITY OR TOWN ICSON CERTIFICATION STA	D BY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN	and Carole Mo	Archeologist) Clellan (Archeologis DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE	762-6477 762-6501)
FORM PREPAREI NAME/TITLE Dr. Keith AVID A. Phillips, Jr. ORGANIZATION ESTERT A NUMBER O. BOX 41058 CITY OR TOWN ICSON CERTIFICATION STA	D BY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN	and Carole Mo and Carole Mo ION NTION OFFICER REC	Archeologist) Clellan (Archeologist) DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE STATE HISTORIC PRESERVATION OF o the National Register, certifying	762-6477 762-6501) 762-6501)
FORM PREPAREI NAME / TITLE Dr. Keith AVID A. Phillips, Jr. ORGANIZATION ESTERT Archeological STREET & NUMBER O. Box 41058 CITY OR TOWN ICSON CERTIFICATION STA In compliance with Executive Or Historic Preservation Officer has evaluate its significance. The eva FEDERAL REPRESENTATIVE SI	DBY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN der 11593, I hereby nom s been allowed 90 days in fluated level of significanc GNATURE	ION ION ION ION ION OFFICER REC IO inate this property t which to present the officer and the which to present the officer and the office	Archeologist) Clellan (Archeologist) DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE STATE HISTORIC PRESERVATION C o the National Register, certifying the nomination to the State Review State Local	762-6477 : 762-6501) OFFICER SIGNATURE Ing that the State aw Board and to
FORM PREPAREI NAME/TITLE Dr. Keith VID A. Phillips, Jr. ORGANIZATION ESTERT Archeological STREET & NUMBER O. Box 41058 CITY OR TOWN ICSON CERTIFICATION STA In compliance with Executive Or Historic Preservation Officer has evaluate its significance. The eva FEDERAL REPRESENTATIVE SI TITLE	DBY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN der 11593, I hereby nom s been allowed 90 days in fluated level of significanc GNATURE	ION ION INION OFFICER REC IO inate this property t which to present the officer and the sent the officer and the sent the officer and th	Archeologist) Clellan (Archeologist) DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE STATE HISTORIC PRESERVATION (o the National Register, certifying the nomination to the State Review State Local Local DATE	762-6477 762-6501) 762-6501) PFFICER SIGNATURE Ing that the State we Board and to 7/19
FORM PREPAREI NAME / TITLE Dr. Keith AVID A. Phillips, Jr. ORGANIZATION ESTERT A NUMBER O. Box 41058 CITY OR TOWN ICSON CERTIFICATION STA In compliance with Executive OF Historic Preservation Officer has evaluate its significance. The eva FEDERAL REPRESENTATIVE SI TITLE TITLE NPS USE ONLY I HEREBY CERTIFY THAT THIS	DBY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN der 11593, I hereby nom s been allowed 90 days in fluated level of significanc GNATURE Cut fuel S PROPERT IS INCLUDE	ION ION ION ION ION INTION OFFICER REC IO IO INATION IO IO IO IO IO IO IO IO IO IO	Archeologist) Clellan (Archeologist) DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE STATE HISTORIC PRESERVATION (o the National Register, certifying the nomination to the State Review State Local DATE DATE DATE DATE	$\frac{762-6477}{762-6501}$
FORM PREPAREI NAME / TITLE Dr. Keith AVID A. Phillips, Jr. ORGANIZATION ESTERT A RUMBER O. BOX 41058 CITY OR TOWN ICSON CERTIFICATION STA In compliance with Executive OF Historic Preservation Officer has evaluate its significance. The eva FEDERAL REPRESENTATIVE SI TITLE MSS CERTIFY THAT THIS INPS USE ONLY I HEREBY CERTIFY THAT THIS DIRECTOR: OFFICE OF ARCHI	DBY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN der 11593, I hereby nom been allowed 90 days in luated level of significanc GNATURE CUMPUES S PROPERTY IS INCLUDE E0LOGY AND HISTORIC	ION ION ION INION OFFICER REC IO inate this property t which to present the imate this property t which to present the imate this property t which to present the imate this property t	Archeologist) Clellan (Archeologist) DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE	$\frac{762-6477}{762-6501}$
FORM PREPAREI NAME / TITLE Dr. Keith AVID A. Phillips, Jr. ORGANIZATION ESTERT A NUMBER O. BOX 41058 CITY OR TOWN ICSON CERTIFICATION STA In compliance with Executive OF Historic Preservation Officer has evaluate its significance. The eva FEDERAL REPRESENTATIVE SI TITLE S. D NPS USE ONLY I HEREBY CERTIFY THAT THIS DIRECTOR OFFICE OF ARCHI EST. D	DBY Anderson, (Region (Archeologist) Center OF NOMINAT TE HISTORIC PRESERVA YES_XN der 11593, I hereby nom s been allowed 90 days in iluated level of significanc GNATURE CUMAUS S PROPERT IS INCLUDE	ION ION ION IN OFFICER REC IO IN THE NATIONA PRESERVATION	Archeologist) Clellan (Archeologist) DATE March 1,1979 TELEPHONE (602) 792-6501 (FTS STATE AZ 85717 COMMENDATION NONE SLATE HISTORIC PRÉSERVATION (o the National Register, certifyin te nomination to the State Revie State Local DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE	$\frac{762-6477}{762-6501}$

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES **INVENTORY -- NOMINATION FORM**

FOR NPS USE ONLY 1979 AUG 6 RECEIVED 8 1980

DATE ENTERED

FER

CONTINUATION SHEET	ITEM NUMBER	PAGE 2	
MAJOR BIBLIOGRAPHICAL	9		

McClellan, Carole, and David A. Phillips, Jr.

- 1978 "Archeological Survey North of Lake Mead, Arizona: Wahl-Yee and Mobil Mineral Leases Final Report." Research report, Western Archeological Center, National Park Service, Tucson, Arizona.
- McClellan, Carole, and George Teague
 - "Archeological Survey of Wahl-Yee Lease Properties, Lake Mead 1977 National Recreation Area." Research report, Western Archeological Center, National Park Service, Tucson, Arizona.

Smith, Melvin

1972 The Colorado River: Its History in the Lower Canyons Area. Ph.D dissertation; Department of History, Brigham Young University, Provo. University microfilms, Ann Arbor.

Department of the Interior, National Park Service, Denver Service Center 1978 "Grand Wash Cliffs Environmental Assessment for Management Options for Oil and Gas Lease Applications."

Table 4

•

.

	Temporary Field Number	A.S.M. Permanent Number
Section 5:	1	A:9:1
	2	A:9:2
	3	A:9:3
	4	A:9:4
	5	A:9:5
	6	A:9:6
	7	A:9:7
	8	A:9:8
	9	Isolated Artifact(s)
	10	Isolated Artifact(s)
	11	A:9:9
	12	A:9:10
	13	A:9:11
	14	A:9:12
	15	Isolated Artifact(s)
	16	A:9:13
	17	A:9:14
	18	A:9:15
	19	A:9:16
	20	A:9:17
	21	Isolated Artifact(s)
	22	A:9:18
~	23	A:9:19
	24	A:9:20
NOTE: No field	25 i numbers 26-50	Isolated Artifact(s)
Section 8:	51	Isolated Artifact(s)
	52	Isolated Artifact(s)
	53	A:9:21
	54	Isolated Artifact(s)
	55	Isolated Artifact(s)
	56	Isolated Artifact(s)
	57	A:9:22
	58	Isolated Artifact(s)
	59	A:9:23
·	60	A:9:24
	61	Isolated Artifact(s)
	62	A:9:25
	63	Isolated Artifact(s)
	64	A:9:26
	65	Isolated Artifact(s)
Section 21:		A:13:2

Permanent Arizona State Museum Site Numbers 1977 Survey

Table 5 Permanent Arizona State Museum Site Numbers 1978 Survey

.

Temporary Field Number	Permanent ASM Number
1	A:9:27
, 2 ≪	A:9:28
3	A:9:29
4	Isolated Artifact(s)
5	A:9:30
6	Isolated Artifact(s)
7	A:9:31
8	A:9:32
9	A:9:33
10	A:9:34
	Isolated Artifact(s)
12	Isolated Artifact(s)
13	A:9:35
14	A:9:36
15	A:9:37
16	Isolated Artifact(s)
17	A:9:38
18 ,	A:9:39
19	Isolated Artifact(s)
20	<pre>Isolated Artifact(s)</pre>
21	Voided
22	A:9:40
23	A:9:41
24	A:9:42
25	A:9:43
26	A:9:44
27	Isolated Artifact(s)
28	Isolated Artifact(s)
29	A:9:45
30	Isolated Artifact(s)
31	Isolated Artifact(s)
32	A:9:46
33	A:9:47
34	A:9:48
35	A:9:49
36	A:9:50
37	A:9:51
38	A:9:52
39	A:9:53
40	A:9:54
41	A:9:55
42	Isolated Artifact(s)
43	Isolated Artifact(s)

Table 5, continued Permanent Arizona State Museum Site Numbers 1978 Survey

ý

مىلىمىلەر بەر كەركىيە كەركىيە كەركىيە كەركىيە كەركىيە كەركىيە بەر يەركىيە بەر يەركىيە بەر يەركىيە يەركىيە يەركى

\$

Temporary Field Number	Permanent ASM Number
44 45	Isolated Artifact(s) Isolated Artifact(s)
40	A:9:56
4/	Isolated Artifact(s)
40	Isolated Artifact(s)
49 50	ISOLATED ATTIACT(S)
51	A: 9: 57
52	A: 5: 50
53	A:9:59
54	A.9.60
55	۸.9.62
56	A:9:63
57	A:9:64
58	Isolated Artifact(s)
59	A:9:65
60	A:9:66
61	A:9:67
62	A:9:68
63	A:9:69
64	A:9:70
65	A:9:71
66	Isolated Artifact(s)
67	A:9:72
68	A:9:73
69	A:9:74
70	A:9:75
71	Isolated Artifact(s)
72	Isolated Artifact(s)
73	A:9:76
74	Isolated Artifact(s)
75	Isolated Artifact(s)
76	lsolated Artifact(s)
//	A:9://
70	
79 80	Isolated Artifact(s)
80	Isolated Artifact(s)
01 92	Isolated Artifact(S)
02	ISOLATED ATTITACT(S)
84	Aiji/J Tenlated Artifact(a)
85	Teolated Artifact(8)
86	
~~~	A. 7.0V

### Table 5, continued Permanent Arizona State Museum Site Numbers 1978 Survey

. `

1. Sec. 1.

Temporary H	Field Number	Permanent ASM Number
. 8	37	Isolated Artifact(s)
Ē	38	Isolated Artifact(s)
8	39	Isolated Artifact(s)
ç	90	Isolated Artifact(s)
ģ	91	Isolated Artifact(s)
· .	92	Modern (post-1915)
ç	93	A:9:81
ç	94	A:9:82
g	95	A:9:83
ç	96	A:9:84
ģ	97	A:9:85
ç	98	A:9:86
· · · · ·	9	A : 9: 87
10	0	A:9:88
· 10	1	A:9:89
10	12	A:9:90
10	3	A:9:91
10	14	A • 9 • 9 2
10	)5	A+9+03
10	16	A:9:94
10	17	A • 9 • 95
10	18	A.9.95
10	9	A • 9 • 97
11	0	A • 9 • 98
11	1	A.9.99
11	2	A:9:100
11	3	Isolated Artifact(s)
11	<u>ь</u>	4·9·101
11	5	A:9:102
11	6	Isolated Artifact(s)
11	7	Isolated Artifact(s)
11	8	
11	Q	Isolated Artifact(c)
12	0 '	Isolated Artifact(s)
12	1	Isolated Artifact(s)
10	+ ?	Isolated Artifact(s)
12	2	
10	5 1.	Teolated Artifact(c)
12	4 5	
12	5	A.9.105
12	7	A:7.100 Tenlatad Artifact(a)
10	, Q	
12	0 · · · · · · · · · · · · · · · · · · ·	A: 2.10/ A: 0.109
14		

### Table 5, continued Permanent Arizona State Museum Site Numbers 1978 Survey

### Temporary Field Number

,

Permanent ASM Number

130	A:9:109
131	Isolated Artifact(s)
132	A:9:110
133	Isolated Artifact(s)
134	A:9:111
135	Isolated Artifact(s)
136	Isolated Artifact(s)
137	Isolated Artifact(s)
138	A:9:112
139	Isolated Artifact(s)
140	Isolated Artifact(s)
141	Isolated Artifact(s)
142	A:9:113
143	Isolated Artifact(s)
144	Isolated Artifact(s)
145	A:9:114
146	A:9:115
147	Voided
148	A:9:116
149	A:9:117
150	A:9:118
151	A:9:119
152	Isolated Artifact(s)
153	A:9:120
154	A:9:121
155	Isolated Artifact(s)
156	A:9:122
157	A:9:123
158	Isolated Artifact(s)
159	Isolated Artifact(s)
160	Isolated Artifact(s)
161	Isolated Artifact(s)
162	A:9:124
NOTE: No field numbers 163-200	
201	A:9:125
202	A:9:126
203	A:9:127
204	A:9:128
205	A:9:129

TABLE 6

Site Information

(1977 Survey)

ASM SITE NUMBER (Field Number)	L] MAJ	THIC TERIA	L		A	RTIF	AC	[S		F	EAT	JRES			SII	re	SIZI	3	ESTIMATED NUMBER OF ARTIFACTS	SITE	TYPE/FUNCTION
	Chert	Chalcedony	Other	Flakes	<b>Retouched</b> Flakes	Utilized Flakes	Cores	Quarry Blanks	Hammerstones	Ceramics	Chipping	Rock Alignments	Hearth(s)								
A:9:1(1)	x	x		x	?		x	·			1			65	5 m	X	12	M	40	Quarry	, ,
A:9:2(2)	x	x		x			x				2			9(	) m	n x	40	m	8	Quarry	,
A:9:3(3)	x			x										5	m	x	3 ш		20	Isolat Static	ced Chipping on - Quarry
A:9:4(4)	x	x		x			x				2	?		2	00	m	x 1(	00 m	70	Quarry	y
A:9:5(5)	x	x		x			x				2			3	80	m	x 4	8 m	100	Quarr	у
A:9:6(6)	x	x		2	x x		x				2			3	32 1	m 2	15	m	165	Quarr	У

91

Mathematical Strength and the second strength of the second strengt

n (* 1992)

ASM SITE NUMBER (Field Number)	L MA	ITHI( TERI	C AL		<u> </u>	ARTI	FAC	CTS			FE.	AT	URE	s	SITE	SIZE	ESTIMATED NUMBER OF ARTIFACTS	SITE TYPE/FUNCTION
	Chert	Chalcedony	Other	Flakes	Retouched Flakes	Utilized Flakes	Cores	Blanks	Hammerstones	Ceramics	Stations	Chipping	Alignments	Hearth(s)				
A:9:7(7)	x	x		x						x	3			1	20 m x	12 m	50	Campsite (Pottery Col. No. 1-2)
A:9:8(8)	x		x	x		x									25 т ж	: 10 m	Sparse	Isolated Chipping Station - Quarry
(9)	x			x	x	?									40 m a	part	2	Isolated lithics
(10)		x		x			x								75 m a	ipart	2	Isolated lithics
A:9:9(11)	x			x			x								40 m >	<b>40</b> m	55	Isolated Chipping Station - Quarry
A:9:10(12)	x	x	x	x	x		T _x				3	,		T	60 m 3	c 45 m	300	Quarry

.

TABLE 6 (cont.)

92

.

ASM SITE NUMBER (Field Number)	L MA	ITHIC TERI	C AL			ARTI	FAC	CTS			FE/	ATU	IRES	5	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	SITE TYPE/FUNCTION
	Chert	Chalcedony	Other	Flakes	Retouched Flakes	Flakes	Cores	Quarry Blanks	Hammerstones	Ceramics	Stations	Chipping	Rock	Hearth(s)			
A:9:11(13)	x			x	x		x						-		•5 m x •5 m	5	Isolated Chipping Station - Quarry
A:9:12(14)	x			x			x								1 m x 1 m	7	Isolated Chipping Station - Quarry
(15)	x							x							Isolated	1	Isolated lithic
A:9:13(16)		x		x		-									2 m x 2 m	6	Isolated Chipping Station - Quarry
S:9:14(17)	x			x			x								•5 m x •5 m	9	Isolated Chipping Station - Quarry

.

93

•

ASM SITE NUMBER (Field Number)	L MA	ITHI( TERI/	C AL			ARTII	FAC	CTS			FE/	ΔTU	IRES	5	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	SITE TYPE/FUNCTION
,	Chert	Chalcedony	Other	Flakes	Retouched Flakes	Utilized Flakes	Cores	Quarry Blanks	Hammerstones	Ceramics	Stations	Chinning	Rock	Hearth(s)			
A:9:15(18)	x	x		x	×	?	x								7 m x 3.5 m	65	Quarry
A:9:16(19)	x	x	x	x		?	x								4 m x 1 m	6	Quarry/?
A:9:17(20)	x			x	x		x			-					5 m x 2 m	15	Quarry/Tool processing
(21)	x			x											Isolated	1	Isolated lithic
A:9:18(22)	x	x		x	x				?		2		?		140 m x 70 m	100	Quarry
A:9:19(23)	x	x	x	x			x		x		1				64 m x 2 m	25	Quarry

ASM SITE NUMBER (Field Number)	LI MAT	THIC TERIA	C L		A	ARTIE	7 <b>A</b> C	TS		FE.	AT	URES	5	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	SITE TYPE/FUNCTION
	Chert	Chalcedony	Other	Flakes	Retouched Flakes	Utilized Flakes	Cores	Quarry Blanks	Hammerstones	Stations	Chipping	Rock Alignments	Hearth(s)			
A:9:20(24)	x	x		x		?	x			2				135 m x 4 m	23	Quarry/?
(25)	x			x	x			,						25 m apart	4	Isolated lithics
																NOTE: There are no field numbers 26-50.
(51)	x			x	?								Γ	Isolated	1	Isolated lithic
, (52)	x			x										Isolated	1	Isolated Lithic
A:9:21(53)	x		x	x	x		x			1	L			96 m x 28 m	15	Quarry

									-			_		_	_			
ASM SITE NUMBER (Field Number)	L] MA1	THIC TERI	/r ;			ART	[IF/	ACT	'S			FE/	ATI	URE	S	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	SITE TYPE/FUNCTION
	Chert	Chalcedony	Other	Flakes	Ketoucneu Flakes	Flakes	Utilized	COTPS	Quarry	Hammerstones	Ceramics	Stations	Chipping	Kock Alignments	Hearth(s)			
(54)	x			x												Isolated	1	Isolated lithic
(55)	x		x	x												10 m apart	2	Isolated lithics
(56)		x		x												•25 m apart	2	Isolated lithics
A:9:22(57)	x	x		x	x		x	x				3				300 m x 50 m	54	Quarry
(58)	x	x		x												350 m x 50 m	13	Isolated lithics
A:9:23(59)	x	x		x			x	x				2				420 m x 75 m	33	Quarry

.

ASM SITE NUMBER (Field Number)	L] MAT	THIC CERIA	C AL			AF	RTI	FAC	TS			FE	EAT	URE	S		SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	SITE TYPE/FUNCTION
	Chert	Chalcedony	Other	Flakes	Flakes	Retainched	Utilized Flakes	Cores	Blanks	narry Oner	Ceramics	Stations	Chipping	Alignments	Heartn(s)	H-2-+6/21			
A:9:24(60)	x	x		x									2				500+ m x 40 m	111	Quarry
(61)			x	x													Isolated	1	Isolated lithic
A:9:25(62)	x		,	x													?	12	Isolated Chipping Station - Quarry?
(63)	x			x	2	•											Isolated	1	Isolated lithic
A:9:26(64)	x	x		X													4 m x 7 m	10	Isolated Chipping Station - Quarry?
(65)	x	x		2	d		x				T						Isolated	3	Isolated lithic

.

### TABLE 7

Feature Information

Site A:13:2

1977 Survey)

FEATURE		LIT 1ATE	HIC RIAL		A	RTIF	'AC	TS		SIZE OF FEATURES	ESTIMATED NUMBER OF ARTIFACTS
		Chalcedony	Other	+ Laves	Flakes	Flakes	litilitad	Blanks	Quarry		
1	x	x	x	3	x			x		5 m x 5 m	5
2	x			2	۲		Τ			?	3
3		x		>	5		T			2 m x 2 m	7
4		x		X	:					5 m x 5 m	15
5	x	x		x			x			5 m x 5 m	6
6	x	x		x						?	15 .
7	x			x	x	x		x		15 m x 5 m	51
8	x	x		x						.5 m x .25 m	9
9				x						1.5 m x 1 m	46
. 10		x	i 	x						3 m x 3 m	70
11		x		x		:	x	x	.	2 m x 2 m	17
12	x	x		x						4 m x 4 m	32
13	x			x		x				1.75 m x 1 m	18
14	x			x						1.5 m _. x .75 m	25
15	x			x						1.25 m x .5 m	13
16	x			x						2 m x 2 m	9
17	x			x						4 m x 3 m	125

FEATURE		LITH	HIC RTAL		AR	TIFA	.CI	'S		SIZE OF FEATURES	ESTIMATED NUMBER OF ARTIFACTS
	Chert	Chalcedony	Other	Flakes	Retouched Flakes	Utilized Flakes	Cores	Blanks	Quarry		
18		x		x	?	?				.5 m x [.] .25 m	- 11
19	x			x						2.5 m x 2 m	17+
20	x			x			x			4 m x 2 m	18+
21	x			x				x		6 m x 2 m	20+
22		x		x						.75 m x .5 m	13
23		x		x		?				1.25 m x 1 m	22
24	x			x			x			15 m x 3 m	?
25				x						1.5 m x 1.5 m	8
_26	x			x			x			?	21
27	x	x		x			x			7 m x 4 m	17
28	×			x						3 m x 3 m	6
29	x			x			x			1 m x 1 m	6+
30	x			x			x	x		8 m x 11 m	55
31	x			x						12 m x 12 m	10+
32	x			x			x			3 m x 3 m	9+
33	x			x	-					1 m x 2 m	5
34	x			x			x			6 m x 2 m	?

FEATURE		LITH ATEF	HIC RIAL		AR	TIFA	CI	'S	SIZE OF FEATURES	ESTIMATED NUMBER OF ARTIFACTS
	Chert	Chalcedony	Other	Flakes	Retouched Flakes	Utilized Flakes	Cores	Quarry Blanks		
35	x						x		9 m x 9 m	?
36	x			x					3 m x 3 m	100+
37	x			x					2 m x 2 m	4+
38	x			x					3 m x 5 m	10+
39*	x			x					2 m x 2 m	5
40*	x			x			?		1 m x 1 m	9
41*	x			x					6 m x 4 m	15+
42*	x			x					?	6
43*	x			x			x	x	?	12+
44		x		x					.75 m x .5 m	16
45		x		x		x			.5 m x .25 m	10
46		x		x					1 m x .75 m	12
					•.					- 

*These features are outside the section boundary.

100

### Site Information ' 🧹 (1978 Survey)

•

\$1	TE NO.	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
	1	600 x 15 m	300	Scattered over <b>and the several</b> local concentrations. 1/20 m ²	7 Chipping Stations	Quarry Site	
	2	20 x 5 m	25	Small concentration with a few isolated artifacts nearby.	Chipping Station	Quarry Site	
	3	30 x 25 m	75	Thin scatter, 1/10 m ²	-	Quarry Site?	Post-1915 Anglo activity
	4	-	1	Isolated Artifact	-	-	
101	5	300 x 300 m	50	Extremely low density; less than 1/100 m ² , but two concentrations on the second seco	2 Concentrations	Quarry Site?	
	6	-	1	Isolated Artifact		-	No raw materials at site.
<del></del>	7	250 x 75 m	1,000+	Dense; 1/m ² with local concentrations. On	7 Chipping Stations	QuarTy Site	
	8	?	5	Isolated Artifacts	- -		•
	9	700 x 400 m	10,000+	Variable scatter over $\frac{1}{2}$ many local concentrations. Density rarely less than 1/3 m ² ; often up to $4/m^2$ .	49 Chipping Stations	Quarry Site	
	10	150 x 100 r	n 300	Thin scatter (1/m ² at densest)	-	Quarry Site	
				х. Х			

SITE NO.	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
11	-	1	Imolated Artifact	-	-	No raw materials at site, but present in adjacent washes.
12	-	1	Isolated Artifact	-	-	
13	150 x 50 m	1,000	Scatter	7 Chipping Stations	Quarry Site	
14	150 x 20 m	500	Scattered over several local concentrations. 1/3 m ² or less.	5 Chipping Stations	Quarry Site	
15 '	90 x 75 m	150	Discontinuous scatter, locally 1/m ² , on	4 Chipping Stations	Quarry Site	
16	-	1	Isolated Artifact	· · · ·	-	
17	2 x 2 m	15	Isolated Feature	Chipping Station	Quarry Site?	
18	10 x 10 m	• 12	Isolated Feature	Chipping Station	Quarry Site?	
19	-	- 1	Isolated Artifact	-	-	
20	10 x 8 m	4	Isolated Artifacts	<u> </u>		

	-	. 1	en e			
			Table 8 (c	ont.)		
				• •	· .	
SITE NO.	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
21						Changed to Feature 100 of Site 73.
22	1600 x 700 m	3,000+	Thin scatter throughout site; less than $1/100 \text{ m}^2$ overall. Densest in south part of site.	24 chipping stations; 1 pot drop; 1 problematic rock pile.	Quarry Site	
23	1700 x 500 m	2,000 <u>+</u>	Very thin scatter throughout site; lesa than 1/100 m ² overall.	12 chipping stations; 1 problematic rock pile.	Quarry Site	
24	2300 x 1100 m	5,000+	Variable thin scatter throughout site; less than 1/100 m ² overall. Densest on	36 chipping stations; 1 sleeping circle; 6 problematic rock piles.	Quarry/Campsite	
25	1 x 1 m	12	Isolated Artifacts	"Purple Glass" bottle drop		
26	600 x 300 m	1,000+	Thin Scatter;	4 chipping stations; 1 problematic rock pile.	Quarry Site	
27	-	2	Isolated Artifacts	-	-	
28	-	1	Isolated Artifact	-	-	
29	350 x 100 m	500	Thin scatter, less than 1/50 m ² .	2 Chipping Stations	Quarry Site	

1	SITE NO.	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
	30	-	1	Isolated Artifact	-	-	
	31	-	1	Isolated Artifact	-	-	
	32	1300 x 600 m	3,000+	1/20 m ² , with local concentrations on Less than 1/50	<pre>16 chipping stations; 1 problematic rock pile.</pre>	Quarry Site	
	33	1200 x 400 m	4,000+	1/20 m ² on less than 1/50 m ² Densest towards west end of site.	20 Chipping Stations	Quarry Site	
-	34	800 x 250 m	4,000+	Densest on <b>Managements</b> 1/3 m ² , and towards west end of site. Less than 1/20 m ² on	41 Chipping Stations	Quarry Site	
	35	1000 x 150 m	2,000+	$1/5 \text{ m}^2$ on <b>(1)</b> less than $1/30 \text{ m}^2$ on	12 Chipping Stations	Quarry Site	
-	36	1200 x 500 m	4,000+	Densest on the state of the set	36 Chipping Stations	Quarry Site	
	37	1200 x 600 m	7,000+	Densest on the problem of the probl	1 large lithic concen- tration; 54 chipping stations.	Quarty Site	
	38	900 x 450 m	1,000	Very thin scatter; less then 1/100 m ² overall.	3 chipping stations; 1 problematic rock pile.	Quarry Site	
		1	1		1 · · · · · · · · · · · · · · · · · · ·		•

SITE NO.	SITE SIZE	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
39	600 x 100 m	500 .	Densest <b>Control of the set of th</b>	3 Chipping Stations	Quarry Site	
. 40	350 x 100 m	250	Very thin scatter; about 1/100 m ² .	2 Chipping Stations	Quarry Site	
41	1200 x 700 m	2,000+	Densest <b>Carlos and a but low overall;</b> leas than 1/100 m ² .	14 Chipping Stations	Quarry Site	
42	-	1	Isolated Artifact	-	I ,	
43	-	1	Isolated Artifact	·		
44	-	1	Isolated Artifact	-	-	
45	-	1	Isolated Artifact	-	-	
46	10 x 5 m	200+	Isolated Feature	Chipping Station	Quarry Site?	
47	-	1	Isolated Artifact	~	-	
48	-	1	Isolated Artifact		-	
49	-	1	Isolated Artifact	-	-	
50	1,100 x 600	n 1,000	Less than $1/30 \text{ m}^2$ less than $1/100 \text{ m}^2$	8 Chipping Stations	Quarry Site	
		ļ			1	P.

SI	TE NO.	MAX IMUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
	51	1 x 1 m	4	Isolated Feature	Chipping Station	?	Lithic material not local.
	52	2 x 1 m	3	Isolated Feature	Chipping Station	?	Lithic material not local.
* > \	53	250+ x 90 m	400+	Most artifacts higher density at west end. Density as high as $5/1 \text{ m}^2$ at features and as low as $1/100 \text{ m}^2$ between features; over all density $1/25 \text{ m}^2$ .	13 chipping stations and 1 lithic concentra- tion.	Quarry Site	Presence and absence of patination suggests use over time.
	54	10 x 5 m	5	Isolated Feature	Chipping Station	?	Lithic material not local.
	55	100 x 20 m	60	Higher density at west end; overall density 1/15 m ² .	Chipping station and lithic concentration.	Quarry Site	Various degrees of pati- nation suggests use over time.
	56	300+ x 75 m	145+	All features <b>and solutions</b> - isolated artifacts cluster - probably deflated chip- ping stations. Density as high as 10/1 m ² at features and less than 1/100 m ² between features; overall density 1/65 m ² .	4 Chipping Stations	Quarry Site	Presence and absence of patination suggests use over time.
	57	2 x 1 m	6	Isolated Feature	Chipping Station	Tool Processing Site.	Non-cortical and thinning flakes only.
•	58	-	- 1	Isolated Artifact	-	· - ^	
	59 -	4 x 3 m	19	Isolated feature and isolated artifact.	Chipping Station	Quarry Site	

Table 8 (cont.)

.

		$\sim$					. · ·
	SITE NO.	MAX1MUM S1TE D1MENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
-	60	13 x 4 m	20	Isolated Feature	Chipping Station	Quarry Site	
	61	2 x 2 m	14	Isolated Feature	Chipping Station	Quarry Site	
·	62	14 x 2 m	9	Isolated feature and isolated artifact.	Chipping Station	Tool Processing Site?	Nigh percentage of non- cortical flakes; lithic material not local.
107	63	5 x 4 m	10	Isolated Feature	Chipping Station	Quarry Site	
	64	130 x 60 m	55+	Very few isolated artifacts between the features. Density as high as $5/1 \text{ m}^2$ at features and considerably less than $1/100 \text{ m}^2$ between features; overall density $1/75 \text{ m}^2$ .	4 Chipping Stations	Quarry Site/?	Over 1/3 of flakes are non- cortical. Various degrees of patination suggests use over time.
	65	?	4	Isolated Feature	Chipping Station	Quarry Site	
	66	-	2	Isolated Artifacts	-	-	
	67	120 x 90 m	110+	Density as high as 15/1 m ² at features; overall density less than 1/100 m ² .	7 Chipping Stations	Quarry Site	Various degrees of pati- tion suggesta use over time.
	68	2 x 1 m	23	Isolated Feature	Chipping Station	Quarry Site	
	69	lxlm	11	Isolated Feature	Chipping Station	?	Lithic material not local.
	70	10 x 1 m	5	Isolated feature and isolated artifacts.	Chipping Station	Quarry Site?	No cortical flakes

SITE NO.	MAXINUM SITE	ESTIMATED NUMBER OF	DISTRIBUTION AND DENSITY	<b>FEATURES</b>	SITE FUNCTION	COMMENTS
	DINENSIONS	ARTIFACIS				
71	-	2	Isolated Artifacts	-	_	
72	30 x 20 m	4	Isolated Artifacts	-	-	
73	1610 x 805 m	10,000+	densest; southern border and eastern 1/3 very sparse; density of isolated artifacts correlates with distribution of features.	1234 chipping stations and numerous lithic concentrations.	Quarry Site	Various degrees of pati- tion suggests use over time.
			Density as high as $60/1 \text{ m}^2$ at features; overall density $1/100 \text{ m}^2$ .			
74	-	1	Isolated Artifact	-	-	
75	-	1	Isolated Artifact	-	-	
76	-	1	Isolated Artifact	-	-	
77	75 x 5 m	53	No isolated artifacts between features.	2 chipping stations and 1 lithic concentra	Quarry Site	
				tion.		
78	1 x 1 m	3	Isolated Feature	Chipping Station	Quarry Site	
79	-	1	Isolated Artifact	-	-	
80	-	1	Isolated Artifact	- ·	-	<u>^ `</u>
81	-	1	Isolated Artifact	-		

x

 $\langle \mathbf{v} \rangle$ 

	SITE NO.	MAX1HUM SITE DIMENSIONS	ESTIMATED NUMBER OF ART1FACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
	82	-	2	Isolated Artifacts	-	-	
	83	55 x 45 m	110	Density as high as 7/1 m ² at features. Overall density 1/15 m ² .	5 chipping stations and isolated lithics.	Quarry Site/?	About 1/4 of flakes are non- cortical. Presence and ab- sence of patination suggests use over time.
<u>н</u>	84	70 x 30 m	7	2 small clusters and isolated artifacts.	-	-	
9	85	-	1	Isolated Artifact	-	-	
	8 <u>,</u> 6	80 x 80 m	110	Density as high as $5/1 \text{ m}^2$ at features and less than $1/100 \text{ m}^2$ between features; overall density $1/30 \text{ m}^2$ .	3 Chipping Stations	Quarry Site	
_	87	1 x 1 m	2	Isolated Artifacts	-	-	
	88	-	1	Isolated Artifact	, _	-	
_	89	-	1	Isolated Artifact	-	-	
	90	<b>-</b> .	1	Isolated Artifact	-	-	
	91	-	- 1	Isolated Artifact	-	- ,	
-	92	5 x 5 m	2	Isolated Feature	l large rock cairn surrounded by 4 small cairns.	Claim Cairn	Modern

.

•

SITE NO.	HAX1HUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	CONMENTS
93	850 x 220 m	200+	sparse; the sparse is the spa	8 Chipping Stations	Quarry Site/?	Presence and absence of pati- nation suggests use over time. Over 1/4 of flakes are non-cortical and thinning.
94	900 x 300 m	450+	bighest density; <b>Manager</b> sparse; Density as high as $20/m^2$ at features; over- all density considerably less than $1/100$ m ² .	15 chipping stations and 1 lithic concen- tration.	Quarry Site	Presence and absence of patination suggests use over time.
95	625 x 500 m	300+	Very low density of artifacts. Density as high as 10/1 m ² at features; overall density considerably less than 1/100 m ² .	10 chipping stations, one associated with a problematic rock pile.	Quarry Site	Various degrees of pati- tion suggests use over time.
96	700 x 125 m	660+	Density as high as $20/1 \text{ m}^2$ at features; overall density $1/90 \text{ m}^2$ .	25 Chipping Stations	Quarry Site	Presence and absence of patination suggests use over time.
97	625 x 100 m	250+	Artifacts on the provide the provided t	22 Chipping Stations	Quarty Site	Presence and absence of patination suggests use over time.
98	1400 x 250	n 400+*	Majority of features on the Density as high as 15/1 m ² at features; overall den- sity less than 1/100 m ² .	n 21 Chipping Stations; 1 problematic stone circle	Quarry Site	*Estimated number of iso- lated flakes between fea- tures unknown. Various degrees of patination sug- gests use over time.
					and the second second	. <b>i</b> . '

SITE N	U. MAXIMUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
99	590 x 100 m	250+	Majority of features on the denser than density as high as $15/1 \text{ m}^2$ at features; overall density less than $1/100 \text{ m}^2$ .	8 chipping stations and isolated lithics	Quarry Site	Various degrees of pati- tion suggests use over time.
100	2100 x 200 m	800+	All artifacts on the second se	25 Chipping Stations	Quarry Site	Various degrees of pati- tion suggests use over time.
101	1770 x 250 m	1,100+	Majority of artifacts on Density as high as $10/1 \text{ m}^2$ at features; overall densit less than $1/100 \text{ m}^2$ .	42 Chipping Stations y	Quarry Site	Various degrees of pati- tion suggests use over time.
10	2 1000 x 230 m	1,300+	Of the large sites, this is one of the densest. The majority of features were on The density of isolated artifacts correlated with the distribution of features, with concentrations of isolates $15/1 \text{ m}^2$ at features; overall density less than $1/100 \text{ m}^2$ .	49 Chipping Stations	Quarry Site	Various degrees of psti- tion suggests use over time.
10	3 300+ x 25 m	150+	All features cluster at northeast end of site in an area about 50 x 25 m. Density as high as $10/1 \text{ m}^2$ at features and less than $1/100 \text{ m}^2$ beyond the cluster of features.	5 Chipping Stations	Quarry Site	Presence and absence of pati- hation suggests use over time.

 $\sim$ 

SITE NO.	MAX1MUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
104	1650 x 450 m	1,000+	Majority of features the second a few are on the second provide the second provide the second Overall density on the second provide the second provide the very sparse to moderate, correlating with distribution of features. The second provide the sparse. Density as high as 10/1 m ² at features. Overall density considerably 1 less than 1/100 m ² .	38 Chipping Stations	Quarry Site	Presence and absence of patination suggests use over time.
105	2400 x 300 m	1,600+	Western third of site is very sparse with scattered features. Heavlest concentra- tion on the contract of site. Eastern 1/3 of site varied from very sparse to moderate. Density of isolated artifacts correlated with distribution features. More features on the site of the state of the second methods of the state of the second second second teatures; overall density less than 1/100 m ² .	55 chipping stations and 2 rectangular- shaped adjoining rock alignments.	Quarry/Campsite	Quarrying primary activity. Rock alignments suggest some camping activity.
106	3 x 2 m	9	Isolated Feature	Chipping Station	Quarry Site	
107	. 3 x 3 m	40	Isolated Feature	Chipping Station	Querry Site	
108	1 x 1 m	55	Isolated Festure	Chipping Station	Quarry Site	
109	1 x 1 m	8	Isolated Peature	Chipping Station	Quarry Site	
110	6 x 4 m	16	Isolated Feature	Chipping Station	Quarry Site	

٠

.

 $\searrow$ 

	SITE NO.	MAXIMUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
:	111	. ?	35	Isolated feature surrounded by isolated artifacts.	Chipping Station	Quarry Site	
	112	lxlm	16	Isolated Feature	Chipping Station	Quarry Site	
·	113	25 x 25 m	4	Isolated Artifacts	<b>-</b> .	-	
113	114	1 x 1 m	3	Isolated Artifacts	-	-	Left by Anglo collectors? Collection No. 114.1.
	115	15 x 6 m	24	No isolated artifacts between features.	2 Chipping Stations	Quarry Site	
-	116	lxlm	3	Isolated Artifacts	-	-	
	117	-	2	Isolated Artifacts	- ,	· _	
	118	<b>бх3</b> в	19	No isolated artifacts between features.	3 Chipping Stations	Quarry Site	
	119	-	2	Isolated Artifacts	-	-	
	120	<b>a</b>	1	Isolated Artifact	-	-	
	121	-	1	Isolated Artifact			
	122	-	1	Isolated Artifact			

I

SITE NO.	MAXIMUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
123	40 x 2 m	4	Two sets of a core and a flake 40 m apart - no isolated artifacts between.	2 Chipping Stations	Quarry Site	
124	-	1	Isolated Artifact	-	-	
125	1 x 1 m	6	Isolated Feature	Chipping Station	Quarry Site	
126	1 x 1 m	4	Isolated Feature	Chipping Station	Quarry Site	
127	-	1	Isolated Artifact	-	-	
128	1 x 1 m	11	Isolated Feature	Chipping Station	Quarry Site	
129	1 x 1 m	• 7	Isolated Feature	Chipping Station	Quarry Site	
130	4 x 2 m	16	Isolated Feature	Chipping Station	Tool Processing Site 7	Limited raw lithic material; over half the flakes are non-cortical.
131	lxlm	2	Isolated Artifacts	-	-	
132	2 x 1 m	6	Isolated Feature	Chipping Station	Quarry Site	
133	-	1	Isolated Artifact	-	-	
134	1 x 1 m	3	Isolated Feature	Chipping Station	Quarry Site?	No cortical flakes

NY 8**8**8 397 -

	SITE NO.	MAXIHUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FFATURES	SITE FUNCTION	Comments
	135		2	Isolated Artifacts	-	-	
	136	5 x 1 m	2	Isolated Artifacts	-	-	
-	137	-	1	Isolated Artifact	-	-	
- -	138	3 x 2 m	15	Isolated Feature	Chipping Station	Quarry Site	
եր Մ	139	1 x 1 m	2	Isolated Artifacts	-		
	140	-	1	Isolated Artifact	-	-	
	141	••	3	Isolated Artifacts	-	-	
	142	1 x 1 m	5	Isolated Feature	Chipping Station	Quarry Site?	No cortical flakes
-	143	1 x 1 m	2	Isolated Artifacts	-	-	
-	144		1	Isolated Artifact	-		1
	145	lxlm	9	Isolated Feature	Chipping Station	Quarry Site	
-	146	3 x 2 m	4	Isolated Feature	Chipping Station	Quarry Site	
	147	-	-	-	-		Included as part of Site 15
		, !				•	

•

SITE NO.	MAXIHUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
148	1200.x 300 m	800+	Majority of features on Density was as high as 25/1 m ² at features. Very few isolated artifacts were noted between features, with overall density considerably less than 1/100 m ² .	33 Chipping Stations	Quarry Site/?	Over a 1/3 of the flakes are non-cortical and thinning flakes. Various degrees of patination suggest use over time.
149	1600 x 650 m	700+	Majority of features on Very few features Very few features t Density as high as 40/1 m ² at features. Very few isolated artifacts were noted between features, with overall_density considerably less than 1/100 m ² .	40 Chipping Stations	Quarry Site	Presence and absence of patination suggests use over time.
150	2000 x 400 m	1100+	The majority of features are on the Density was as high as 30/1 m ² at features. Very few isolated artifacts were noted between features, with overall density considerably less than 1/100 m ² .	39 Chipping Stations	Quarry Site	
<b>151</b>	1450 x 800	m 500+	Over 1/2 of the chipping stations are on the rest are scattered over the rest are scattered over the rock piles are clustered at the base of where it flattens out. Density was as high as 20/1 m ² at feature Very few isolated artifacts were noted be tween features, with overall density com-	26 chipping stations	Quarry Site	Presence and absence of patination suggests use over time.

.

SITE NO.	MAXIMUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
152	~	1	Isolated Artifact	-	-	
153	lx1m	4	Isolated Feature	Chipping Station	Quarry Site	
154	?	4	Isolated Feature	Chipping Station	Quarry Site	
155	1'x 1 m	2	Isolated Artifacts	-	-	
156	lxlm	22	Isolated Feature	Chipping Station	Quarry Site	
157	lxlm	15	Isolated Feature	Chipping Station	Quarry Site	
158	2 x 1 m	3	Isolated Artifacts		-	
159	-	2	Isolated Artifacts	-	-	
160	-	1	Isolated Artifact	-	-	
161	-	1	Isolated Artifact	-	-	
162	2 x 1 m	30	Isolated Feature	Chipping Station	Quarry Site	
					· · ·	NOTE: No sites numbered 163 - 200.
	SITE NO. 152 153 154 155 156 157 158 159 160 161 162	SITE NO.       MAXIHUM SITE DIMENSIONS         152       -         153       1 x 1 m         154       ?         155       1'x 1 m         156       1 x 1 m         157       1 x 1 m         158       2 x 1 m         159       -         160       -         161       -         162       2 x 1 m	SITE NO.       MAXIMUM SITE DIMENSIONS       ESTIMATED NUMBER OF ARTIFACTS         152       -       1         153       1 x 1 m       4         153       1 x 1 m       4         154       ?       4         155       1'x 1 m       2         156       1 x 1 m       22         157       1 x 1 m       15         158       2 x 1 m       3         159       -       2         160       -       1         161       -       1         162       2 x 1 m       30	SITE NO.MAXIMUM SITE DIMENSIONSESTIMATED NUMBER OF ARTIFACTSDISTRIBUTION AND DENSITY152-1Isolated Artifact1531 x 1 m4Isolated Artifact154?4Isolated Feature1551'x 1 m2Isolated Artifacts1561 x 1 m22Isolated Feature1571 x 1 m15Isolated Feature1582 x 1 m3Isolated Artifacts159-2Isolated Artifact160-1Isolated Artifact161-1Isolated Artifact1622 x 1 m30Isolated Feature	SITE NO.MAXIHUN SITE DIMENSIONSFETHATED ARTIFACTSDISTRIBUTION AND DENSITYFEATURES152-1Isolated Artifact-1531 x 1 m4Isolated PeatureChipping Station154?4Isolated PeatureChipping Station1551'x 1 m2Isolated Artifact-1561 x 1 m22Isolated FeatureChipping Station1571 x 1 m22Isolated FeatureChipping Station1582 x 1 m3Isolated Artifacts-160-1Isolated Artifact-161-1Isolated Artifact-1622 x 1 m30Isolated FeatureChipping Station164-1Isolated Artifact-165-1Isolated Artifact-160-1Isolated Artifact-161-1Isolated Artifact-1622 x 1 m30Isolated FeatureChipping Station	SITE NO.MAXIMUM SITE DIMERSIONESTPANTED MMER OF MMER OF MMER OF MMER OFDISTRIBUTION AND DENSITYFEATURESSITE FUNCTION152-1Isolated Artifact1531 x 1 m4Isolated FeatureChipping StationQuarry Site154?4Isolated PeatureChipping StationQuarry Site1551 x 1 m2Isolated Artifacts1561 x 1 m22Isolated FeatureChipping StationQuarry Site1571 x 1 m21Isolated FeatureChipping StationQuarry Site1582 x 1 m3Isolated Artifacts160-1Isolated Artifact161-1Isolated Artifact1622 x 1 m30Isolated FeatureChipping StationQuarry Site162-1Isolated Artifact163-1Isolated Artifact164-1Isolated Artifact1652 x 1 m30Isolated FeatureChipping StationQuarry Site164-1Isolated Artifact1652 x 1 m30Isolated FeatureChipping StationQuarry Site164-1Isolated Artifact1652 x 1 m30Isolated FeatureChipping StationQuarry Site

SITE NO.	MAXIMUM SITE DIMENSIONS	ESTIMATED NUMBER OF ARTIFACTS	DISTRIBUTION AND DENSITY	FEATURES	SITE FUNCTION	COMMENTS
201	1400 x 400 m	2,000+	Densest towards west end of site but sparse overall; less than 1/100 m ² .	17 Chipping Stations; 1 Pot Drop.	Quarry Site	
202	500 x 350 m	1,000	Densest on the but sparse overall; about 1/100 m ² .	12 Chipping Stations; 1 Pot Drop.	Quarry Site	
203	600 x 300 m	500	Less than $1/30 \text{ m}^2$ on the set of the	5 Chipping Stations	Quarry Site	
204	1200 x 300 m	1,500+	Densest on <b>parse overall - less than</b> $1/100 \text{ m}^2$ .	15 Chipping Stationa; 1 Problematic Rock Pile.	Quarry Site	
205	1000 x 400 m	1,500+	Densest on <b>Control</b> but sparse overall - less than 1/100 m ² .	11 Chipping Stations; 2 Problematic Rock Piles.	Quarry Site	
				,		
	•					