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Archives of Archaeology

No. 6

DOCUMENTATION

FOR

SOME LATE MOGOLLON SITES IN THE UPPER LITTLE COLORADO DRAINAGE
EASTERN ARIZONA

Paul S. Martin

John B. Rinaldo

William Longacre

1960

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Preface

This report includes the documentary materials pertaining to an archaeological reconnaissance and to the excavating of two archaeological sites in east central Arizona. This work was accomplished in 1959 by the Southwest Archaeological Expedition of the Chicago Natural History Museum.

The Mineral Creek site - a dozen surface, contiguous rooms and a circular Great Kiva (perhaps a village in the formative stage) - is perhaps a century or two earlier than the Hooper Ranch Pueblo, which consists of about 60 rooms and 3 kivas. There is a chronological hiatus between them. Definite relationships between these sites and some in the Pine Lawn - Reserve area (New Mexico) were observed.

The Mineral Creek Site is located in the southeast quarter of the northwest quarter of Section 13, Township 10 North, Range 25, East of the Gila and Salt River Meridian. It is on land owned by Mr. Earl Thode of Vernon, Arizona. This is the second site we have dug on Mr. Thode's ranch.

The Hooper Ranch Pueblo is located at the edge of the present channel of the Little Colorado River in Section 8, Township 9 North, Range 29 East, Gila and Salt River Meridian. It is owned by Mr. Robert B. Hooper.

We are grateful to Mr. Earl Thode and to Mr. Robert B. Hooper who generously gave us permission to dig the sites and to bring materials recovered to the Museum for study and display.

The Mineral Creek Site has been tentatively dated at A. D. 1000 - 1200. Hooper Ranch Pueblo has been assigned a tentative dating of A. D. 1200 - 1375.

The data presented herewith are important to any student doing comparative researches and therefore they are presented in greater detail than we could hope to include in our monograph.

Classification, measurements, and proveniences of all stone and bone tools; complete pottery counts by rooms and levels; and a description of all sites observed on the archaeological survey are included herewith.

MANOS													MINERAL CREEK PUEBLO						
Cat. No.		ONE GR. SURFACE	TWO GR. SURFACES	OVAL OUTLINE	RECTANGULAR	PARALLEL	WEDGE X SECT.	BEVEL	BL. CONVEX	FLAT	END ROUNDED	CONVEX LENGTHWISE	LENGTH	WIDTH	THICKNESS	PROVENIENCE	FLOOR	FILL OR TR.	MATERIAL
9		x											10.5	12.2	4.3	G.K	x		Sandstone
384		x											12.0	11.7	3.6	R.6	x		
10		x											6.3	9.4	2.6	G.K	x		Finger Pit Grip
15		x											11.5	9.0	3.4	G.K	x		One hand
16		x											11.3	7.6	3.6	G.K	x		One hand
373		x											9.8	8.3	2.8	R.5	x		
2		x											12.3	12.2	3.7	G.K	x		One hand
11		x											6.0	7.5	3.7	G.K	x		Center Frag.
12		x											7.1	5.9	3.0	G.K	x		Center Frag.
21		x											10.2	5.4	3.5	G.K	x		One hand
22		x											4.9	4.3	2.0	G.K	x		Small Frag.
26		x											9.7	7.5	2.7	T.T			
31		x											10.4	7.5	3.1	T.T			
32		x											11.0	6.5	2.7	T.T			
379		x											23.2	12.3	3.3	R.5	x		Edge Grooved
372		x											8.6	10.7	2.5	R.4			
381		x											16.7	10.1	2.8	R.6	x		Center Frag.
383		x											11.0	10.0	3.6	R.5	x		FingerGrooveGrip
1		x											15.5	13.2	7.0	G.K	x		
366		x											18.6	11.6	2.2	R.1	x		
369		x											20.1	11.2	2.3	R.3	x		
378		x											20.9	10.4	2.6	R.5	x		
367		x											13.1	11.9	4.4	R.2	x		
380		x											10.8	12.6	5.4	R.5	x		
23		x											7.6	7.5	2.7	G.K	x		
368		x											6.7	5.3	2.3	R.3	x		
371		x											21.5	10.5	3.3	R.2	x		
14		x											12.4	9.9	2.7	G.K	x		Center Fragment
13		x											7.8	9.0	1.7	G.K	x		Corner Frag.
5		x											13.9	11.6	6.4	G.K	x		
374		x											12.1	9.4	2.5	R.5	x		One hand

Grinding Stones (3)

Oval in outline, grinding surfaces smooth, faceted.

256475	Edges battered	7.3	6.8	3.2	Great Kiva, floor
256474	End pitted	8.3	8.3	2.9	Great Kiva, fill
256428		11.3	9.3	3.8	Test Trench, Sec. B

Rubbing Stones (5)

Oval outline, 1 rubbing surface flat.

25646		7.0	4.8	2.4	Great Kiva, fill
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Rectangular outline, 1 flat rubbing surface, 1 slight convex rubbing surface. Scoria.

256522		8.9	6.7	2.1	Great Kiva, floor
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Oval outline, 1 rubbing surface slightly convex.

256523		7.7	7.0	4.5	Great Kiva, floor
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Rectangular outline, 1 flat rubbing surface.

256524		8.6	6.9	2.2	Great Kiva, floor
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Oval outline, 1 flat rubbing surface.

256517		9.7	6.9	3.3	Great Kiva, floor
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Pestles (1)

Rounded rectangular in outline, squat shape, one end flat, pitted and battered, the other end rounded, sides grooved for grip near rounded end.

FN 6	L 12.5	W 11.5	Th 9.5	Great Kiva, floor
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Polishing Stones (6)

Oval in outline with one or more flat smooth surfaces.

256397	Rubbing stone	7.3	5.2	3.0	Great Kiva, fill
256398		3.7	2.7	1.8	Great Kiva, fill
256400	Rubbing stone	7.8	5.8	3.3	Great Kiva, fill
256435		3.7	2.9	2.7	Great Kiva, fill, Burial 1.
256436		3.4	3.0	1.6	Great Kiva, fill, Burial 1.
256441		5.3	3.6	1.4	Great Kiva, fill

Metates (4)

Through trough type, fairly deep trough open both ends, made from thick oblong slab with edges worked but bottom rough..3

M C 1-1	L 50.0 W 40.5 Th 8.5 Rm. 1, fl. near center
Trough:	L 25.5 Depth 4.5
M C 2-1	L 20.0 W 17.0 Th 7.2 Room 2, Trench
Trough:	Depth 4.5 Material: Scoria
M C 3-1	L 30.0 W 19.0 Th 8.0 Room 3, Trench
Trough:	Depth 5.2
M C 5-1	L 50.0 W 40.1 Th 10.0 Room 5, NW corner
Trough:	Shallow

Paint Palette (1)

Oval disk, surfaces parallel, wavy, surface showing red paint retains natural water-worn bevel at edges.....1

256399	L 19.3 W 18.1 Th 1.7
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Mineral
Creek

Mortars and Stone Vessels (8)

Oval in outline, generally rounded form with smooth cup-shaped depression in one surface.

25	L 18.1 W 13.9 Th 5.4	Great Kiva, floor
	Depression: Diameter 4.5	
29-1	L 18.6 W 16.9 Th 10.0	Great Kiva, fill
	Depression: Diameter 5.5	
29-2	L 19.0 W 16.8 Th 13.8	Great Kiva, fill
	Depression: Diameter 3.0	
30	L 20.4 W 19.3 Th 15.0	Great Kiva, fill
	Depression: L 11.0 Depth 4.5	
7	Diameter 18.1 W 8.7 Th 9.2	Great Kiva, floor
	Depression: Dia. 11.7 Depth 5.4	Scoria
256542	L 8.0 W 5.7 Th 3.2	Great Kiva, fill
	Depression: Dia. 5.2 Depth 3.2	
2-2	L 11.5 W 8.9 Th 10.6	Room 2
	Depression: L 7.2 W 6.5 Depth 1.1	
256390	L 4.6 W 4.2 Th 2.2	Great Kiva, surface
	Depression: Dia. 3.0 Depth 1.2	

Worked Slabs (3)

Rectangular in outline, surfaces rough, edges rough hewn, one specimen has one smooth edge.

2-3	L 36.0 W 27.5 Th 2.3	Room 2, Trench
2-4	L 26.5 W 18.0 Th 4.3	Room 2, Trench (frag.)
GK 1	Fragment	Great Kiva, Pit, Burial 3

Hammerstones (9)

Roughly round to oval stones with battered and pitted angular ends.

256461	L 9.0 W 8.1 Th 5.4	Great Kiva, fill
256418	L 10.4 W 8.7 Th 6.7	Igneous red. Great Kiva, fill
3	L 8.3 W 6.9 Th 6.0	Great Kiva, fill
18-1	L 8.4 W 8.2 Th 5.7	Great Kiva, floor
18-2	L 8.2 W 8.0 Th 5.0	Great Kiva, floor
18-3	L 12.7 W 8.9 Th 7.6	Great Kiva, floor
19	L 11.0 W 10.6 Th 6.0	Great Kiva, floor
20	L 8.6 W 6.5 Th 6.2	Great Kiva, floor
370	L 7.1 W 6.2 Th 5.9	Room 3, fill

Maul (1)

Rectangular in outline and cross section, ends flat, full grooved around middle. - 1

280302	L 11.6 W 9.8 Th 7.7	Room 5, floor
	Groove width: 3.1	Depth 1.3

Arrow Shaft Tool (1)

Roughly rectangular in outline, and cross section with a single groove across the middle; groove smooth, polished.

256395	L 7.2 W 6.6 Th 3.9	Great Kiva, fill
	Groove width: 1.6	Depth 0.4

Hand Stones (Stone Cylinders) (2)

Roughly cylindrical stones ends flat, one end of each stone worked smooth.

256533 L. 7.4 W 5.3 Th 4.4
256543 L 7.4 W 5.0 Th 4.2

Stone Disc (1)

Thin disc-like spall from round stone, one surface unworked, slightly convex, the other flat, and pitted.

256391 Diam. 9.5 Th 1.5 Great Kiva, fill

Phallic Image (1)

Round in cross section tapering to sub-conical tip.

256417 L 6.8 Dia.2.8 Th 2.4 Great Kiva, surface

Projectile Points

Type S (7)

Small triangular, lateral notched, base straight or slightly convex, generally lenticular to bi-convex in cross section, four specimens with small notches.

256401	L	2.1	W	1.1	Th	0.5	Surface
256409	L	2.1	W	1.2	Th.	0.3	Great Kiva, ramp
256458	L	1.0	W	0.8	Th	0.2	Great Kiva, fill
256508	L	2.2	W	0.9	Th	0.3	Great Kiva, floor
256506	L	2.3	W	1.0	Th	0.3	Pueblo, surface
256507	L	2.0	W	1.2	Th	0.3	Pueblo, surface
256501	L	3.2	W	1.6	Th	0.3	Great Kiva, floor

Small triangular points with straight bases and straight or slightly convex edges, one specimen with concave base (5)

256406	L	1.9	W	1.0	Th	0.3	Great Kiva, ramp
256408	L	1.7	W	0.9	Th	0.3	Great Kiva, ramp

Mineral
Creek

256411	L	3.1	W	1.2	Th	0.2	Pueblo, surface
256412	L	4.6	W	2.0	Th	0.8	Great Kiva, fill
256414	L	1.9	W	1.5	Th	0.4	Great Kiva, fill

Generally triangular blade with straight edges, lateral notched, small slightly expanding stem narrower than shoulder base rounded (3).

256403	L	2.0	W	2.0	Th	0.5	Great Kiva, SW Quad. Tr.
256456	L	4.3	W	1.8	Th	0.6	Great Kiva, SW Quad. Fl.
256467	L	4.4	W	2.5	Th	0.7	Great Kiva, fill

Concave bases of small blades without notches, edges of blade straight, almost parallel (3).

256449	L	2.0	W	1.9	Th	0.5	Great Kiva, fill
256466	L	3.2	W	1.8	Th	0.7	Great Kiva, fill
256546	L	2.0	W	1.6	Th	0.4	fluted Great Kiva, floor

Tip and blade fragments bases missing (10).

280285	L	3.5	W	1.7	Th	0.6	Room 3, Trench
280298	L	4.0	W	2.2	Th	0.6	Room 5, Tr. NE corner
256413	L	1.8	W	1.5	Th	0.3	Great Kiva, surface
256468	L	3.5	W	2.0	Th	0.5	Great Kiva, fill
256429	L	3.2	W	1.7	Th	0.5	Serr— GK, Burial 1
256547	L	2.5	W	2.0	Th	0.4	Great Kiva, fill
256470	L	1.8	W	1.1	Th	0.4	Great Kiva, E Wall
256465	L	2.7	W	2.0	Th	0.6	Great Kiva, fill
256469	L	2.4	W	2.0	Th	0.5	Great Kiva, E Wall
256402	L	1.9	W	0.7	Th	0.4	Great Kiva, Tr. SW Quad.

Gravers (2)

Thick flakes with short points, one specimen chipped from one face only; others from both faces.

256453	L	2.8	W	1.6	Th	0.7	Great Kiva, fill
256510	L	5.5	W	2.6	Th	1.1	Great Kiva, floor

Punches (2)

Small thin slabs with parallel surfaces, one edge chipped diagonally to a point, opposite edge flat.

256410	L	9.4	W	3.5	Th	0.6	Great Kiva, SW Quad., Tr.
256486	L	11.2	W	6.6	Th	1.5	Great Kiva, floor

Blades (2)

Simple flakes, lenticular in cross-section, secondary chipping on both surfaces and edges.

256472	L	2.4	W	2.1	Th	0.4	Great Kiva, floor
256477	L	4.8	W	2.8	Th	1.8	Great Kiva, fill W. wall

Chip point (1)

Generally leaf-shaped in outline, plano-convex in cross section, secondary chipping along all edges from one surface and few chips along edge from opposite surface.

256531	L	4.6	W	2.0	Th	0.6	Great Kiva, floor
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Gravers (From other sheet)

Punches (From other sheet)

Drill

Small thin flake chipped to point, fragment

280306	L	2.2	W	0.6	Th	0.2	Room 4, floor
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Mineral
Creek

Knives (29)

Small thin flakes, no uniformity of outline, longitudinal edges show some secondary chipping, possibly through use.

Occurrence: Rooms 2, 3, 4, Great Kiva, fill; Great Kiva, floor; Room 4, below floor.

Dimensions: Length, 1.9 - 5.7 cm., average, 3.1 cm.; width, 1.2 - 3.3 cm., average, 2.1 cm.; thickness, 0.3 - 0.9 cm., average, 0.5 cm.

Materials: Chalcedony, chert, fine-grained basalt, quartzite.

Scrapers (25)

Small, rough thick flakes with some secondary chipping at a steep angle along one or more edges, generally plano-convex in cross section, convex surface shaped by percussion chipping.

Occurrence: Room 4, Great Kiva, fill; Great Kiva, floor.

Dimensions: Length, 2.0 - 6.7 cm.; average, 4.2 cm.; width, 1.4 - 6.5 cm., average, 3.1 cm.; thickness, 0.4 - 2.7 cm., average, 1.2 cm.

Materials: Chalcedony, chert, felsite, obsidian.

Large Scrapers (11)

Large, rough thick angular flakes, generally plano-convex in cross section with steep secondary chipping along one curved edge.

Occurrence: Great Kiva, fill; Room 3, Great Kiva, floor.

Large Scrapers (11) (Continued)

Dimensions: Length, 6.9 - 10.5 cm., average, 8.0 cm.; width, 4.9 - 7.2 cm.; average, 6.0 cm.; thickness, 1.7 - 3.5 cm.; average, 2.6 cm.

Materials: Felsite, chert, quartzite.

Choppers

Thick angular core implements percussion flaked on part of margin to form sharp cutting edge; generally part of original rounded surface of pebble left intact to form a smooth surface for grip; plano-convex in cross section and margin chipped from convex surface only (14).

256415	L 14.3	W 12.0	Th. 7.0	Great Kiva, fill
256459	L 11.5	W 10.6	Th. 4.8	Great Kiva, fill
256460	L 10.2	W 8.4	Th. 5.4	Great Kiva, fill
256463	L 7.6	W 6.9	Th. 4.0	Great Kiva, fill
256489	L 12.9	W 9.0	Th. 7.0	Great Kiva, floor
256490	L 9.8	W 9.3	Th. 5.7	Great Kiva, floor
256491	L 10.8	W 8.7	Th. 4.1	Great Kiva, floor
256493	L 11.3	W 8.7	Th. 6.1	Great Kiva, floor
256494	L 8.0	W 6.8	Th. 4.7	Great Kiva, floor
FN 24	L 16.0	W 14.5	Th. 7.4	Great Kiva, floor
280300	L 7.6	W 6.3	Th. 3.8	Rm. 5, Trench

Choppers [Uniface] (Continued)

FN 375 (58)	L 16.5	W 11.2	Th. 8.0	Room 5, Trench
FN 376	L 12.0	W 10.3	Th. 7.0	Room 5, Trench
FN 377	L 17.2	W 14.5	Th. 8.0	Room 5, Trench

Biface type, similar to above, but biconvex in cross section and margin chipped from both surfaces (10).

256431	L 10.7	W 10.5	Th. 5.2	GK fill, Burial 1
256432	L 7.5	W 7.3	Th. 4.2	GK fill, Burial 1
256481	L 9.6	W 7.0	Th. 5.5	Great Kiva, fill
256487-1	L 9.6	W 7.3	Th. 5.1	Great Kiva, floor
256487-2	L 8.6	W 6.5	Th. 6.0	Great Kiva, floor
256488	L 12.1	W 10.8	Th. 5.2	Great Kiva, floor
256492	L 9.1	W 8.9	Th. 5.2	Great Kiva, floor
256545	L 9.4	W 7.7	Th. 5.5	Great Kiva, floor
FN 8	L 11.2	W 10.1	Th. 5.9	Great Kiva, floor
FN 27	L 15.7	W 10.1	Th. 8.4	Great Kiva, floor

Beads

Small disc type, also series of same in necklace of over 2500 beads.

280290	Diam. 0.5	Th. 0.2 (average)	B & W Rm. 1, Burial
280286	Diam. 0.6	Th. 0.2	Rooms Surface
256455	Diam. 0.6	Th. 0.3	Turquoise GK floor SW Quad.
256509-1&2	Diam. 0.5	Th. 0.2 white (2)	Great Kiva, floor

Mineral
Creek

Disc Beads (Continued)

256526	Diam. 0.25	Th 0.25		Great Kiva, floor
256527	Diam. 0.9	Th 0.1	white	GK, floor W. 1/2
256548	Diam. 0.5	Th 0.2	white	Great Kiva, fill

Pendant

Tabular type, rectangular in outline, smooth and polished, hole drilled through near one end (part of necklace).

280290-1	L 1.7	W 0.8	Th 0.2	Rm. 1, Burial
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Bone Awls

Head intact except for splitting other end cut, ground and polished to sharp point.

280284	L 7.9	W 2.1	Th 1.4	Rm. 1, floor
280304	L 14.2	W 2.1	Th 1.4	Rm. 4, below floor

Head wholly removed, edges ground off smooth, one end ground and polished to a tapering point.

280299	L 12.0	W 1.2	Th 0.6	Rm. 5, Tr. NE corner
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Bone awl tip, ground and polished to sharp point.

256407	L 4.8	W 0.8	Th 0.5	Great Kiva, ramp
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Bone Tube

Hollow section of long bone shaft, ends cut and ground off smooth, deeply grooved near one end around entire circumference, shallow groove cut near other end.

280303	L 8.3	W 2.5	Th 2.3	Rm. 4, floor
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Mineral
Creek

Bone Ring (Fragment)

Made from a thin section of a large limb bone, thick generally flat, size of finger ring.

256457 Diam. 1.9 W 1.1 Th 0.4 GK floor, SW Quad.

Bone Ring Blank

Section of hollow long bone including head of bone, shaft cut across at right angles to long axis.

256532 L 4.5 W 3.4 Th 1.7 Rm. 4, floor

Worked Sherds

Pottery discs with edges ground smooth, three specimens with holes drilled through centers, holes hourglass-shaped, drilled from two surfaces.

280287	Dia. 2.1	W 2.0	Th 0.4	snowflake B/W	Rm.1, floor
280291	Dia. 2.6	W 2.1	Th 0.7	Reserve B/W	Rm.3, floor
256521 "whorl"	Dia. 4.3	W 2.3	Th 0.5	? B/W	GK, floor
256405	Dia. 2.7	W 2.2	Th 0.6	Plain Brown	GK, Tr. NW
256426 "whorl"	Dia. 5.2	W 3.6	Th 0.7	Reserve B/W	GK, fill
256437 "whorl"	Dia. 2.9	W 2.3	Th 0.5	Red	GK, fill
256534	Dia. 5.3	W 3.3	Th 0.6	Alma Plain	GK, W. Groove
256539	Dia. 7.3	W 7.0	Th 0.5	Alma Plain	T.T., Sec. B

Fragments of scoops or rectangle with rounded corners.

256502	Dia. 6.5	W 5.4	Th 0.7	Reserve B/W?	GK floor
256503	Dia. 5.0	W 4.0	Th 0.6	Reserve B/W?	GK floor
256504	Dia. 5.6	W 3.2	Th 0.7	Snowflake B/W?	GK floor
256505	Dia. 5.6	W 3.6	Th 0.5	B/W	GK floor
256519	Dia. 4.2	W 3.4	Th 0.6	Reserve B/W?	GK fill

Mineral
CreekWorked Sherds (Continued) [Rounded rectangles]

256520	Dia. 4.0	W 2.5	Th 0.5 ? B/W	GK fill
256394	Dia. 4.3	W 3.7	Th 0.7 Plain Brown	GK fill
256404	Dia. 2.7	W 1.8	Th 0.6 Red Mesa B/W?	GK Tr.NW Quad.
256420	Dia. 3.8	W 2.3	Th 0.6 Plain Brown	GK fill
256421	Dia. 2.5	W 1.6	Th 0.5 ? B/W	GK fill
256535	Dia. 3.2	W 2.8	Th 0.5 Plain Br.?	T.T.Sec.D
256536	Dia. 7.4	W 3.0	Th 0.5 Plain	T.T.Sec.D
256538	Dia. 3.2	W 2.2	Th 0.5 Kiatut B/W	T.T.Sec.B
280292	Dia. 2.7	W 1.9	Th 0.5 B/W	Rm.3, floor

Miniature Ladle Fragment

Solid handle and bowl modeled in one piece, smooth and polished.

280301	L 4.6	W 3.7	Th 2.3	Room 4, fill?
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Manos

Single Grinding Surface

(Ia) Rectangular in outline, one specimen oval, surfaces parallel grinding surface convex

No.	L.	W.	Th.	Remarks	Room
81	15.0	13.0	4.0	Oval	1A, Floor - Sandstone
246	Frag.	9.9	2.7		5A, Fill
298	Frag.	12.0	3.0		4A, Floor II
299	Frag.	8.2	4.4		4A, Floor II
313	Frag.	11.6	6.6	One Hand	6B, Floor
321	20.1	10.4	5.8		4A, Fill II
323	Frag.	11.4	3.3		12A, Floor

(Ib) Rectangular in outline (three specimens oval), surfaces parallel grinding surface slightly convex

No.	L.	W.	Th.	Remarks	Room
217	Frag.	Frag.	3.9		2B, Floor
238	12.0	9.4	4.4	One Hand	2B, Floor
248	20.2	11.0	2.0		5B, Fill
291	14.5	12.0	3.1	One Hand	6B, Floor - Sandstone
121	25.7	11.5	3.2	Painted Red	2B, Fill - Sandstone
59	Frag.	5.1	1.3		3A, Fill
84	Frag.	9.9	2.1		1C, Fill
151	17.4	11.1	3.2		7A, Fill
318	Frag.	11.5	2.2		Kiva I, Fill
359	Frag.	11.0	1.3		9A, Fill
370	18.1	10.1	3.2	Painted Red	9A, Fill II-Diabase

Manos (Continued)

(Ic) Rectangular in outline (three specimens oval), surfaces parallel, grinding surface flat. Total 36.

Occurrence: Rooms 5A, 9A, 15A, 2B, 5B, 6B, 12B, Kiva I, fill; Rooms 4A, 9A, Fill II; Rooms 4A, 9A, 10A, 13A, 5B, Kiva I, floor; Rooms 4A, 10A, Floor II.

Dimensions: Length, 10.5 - 28.1 cm., average, 18.9 cm. (5 one hand manos, 18 fragments); width, 8.5 - 13.2 cm., average, 11.0 cm., thickness, 1.0 - 7.6 cm., average, 3.9 cm.

Materials: Sandstone, vesicular basalt

(Id) Rectangular in outline (two specimens oval), triangular cross section; grinding surface beveled in two planes with a longitudinal ridge between. Total 19.

Occurrence: Rooms 3A, 4A, 6A, 9A, 17A, 5B, 12B, Kiva I, fill; Room 4A, Fill II; Room 5B, Floor; Rooms 4A, 9A, Floor II.

Dimensions: Length, 23.1 - 27.3 cm., average, 23.5 cm. (14 fragments); width, 8.2 - 12.5 cm., average, 10.5 cm.; thickness, 1.7 - 2.9 cm., average, 2.0 cm.

Material: Sandstone

(Ie) Rectangular in outline, surfaces parallel, grinding surface convex lengthwise, slightly convex crosswise; a one hand mano

No.	L.	W.	Th.	Remarks	Room
432	12.9	10.4	3.9	One Hand	12B, Fill

Manos

Two Grinding Surfaces

(II a) Oval in outline, surfaces parallel, grinding surfaces
convex

No.	L.	W.	Th.	Remarks	Rooms
82	11.0	10.5	2.5	One Hand	2A, Fill
143	12.8	10.3	5.1	One Hand	1C, Floor
262	Frag.	11.3	2.3		14A, Trench
220	12.1	8.5	4.6	One Hand	10A, Fill

(II b) Rectangular in outline, surfaces parallel, grinding
surfaces slightly convex

No.	L.	W.	Th.	Remarks	Room
87	Frag.	8.7	2.4		4A, Floor
91	Frag.	9.0	3.0		4A, Fill
138	Frag.	11.1	3.3		7A, Fill
234	26.8	12.8	3.0		5B, Fill - Sandstone
244	14.0	8.4	3.7	One Hand	5B, Fill
328	Frag.	10.8	3.5		12A, Floor
333	Frag.	11.7	1.6		Kiva I, Trench
361	Frag.	9.1	4.3		12B, Fill - Micro- granite
364	18.2	10.2	2.5		12B, Fill

(II c) Rectangular in outline, surfaces parallel, grinding
surfaces flat

No.	L.	W.	Th.	Remarks	Room
63	27.3	13.3	1.4		3A, Fill
89	Frag.	10.8	4.4		4A, Fill
107	19.6	12.6	3.0		6A, Trench

Manos (Continued)

No.	L.	W.	Th.	Remarks	Room
210	Frag.	12.2	2.3		9A, Fill II
243		27.3	10.7	2.5	6B, Floor
274	Frag.	Frag.	3.3		13A, Trench
286		31.6	13.1	2.4	6B, Fill
290		25.7	12.7	2.7	Sandstone 10A, Floor II
292	Frag.	11.1	3.9	Painted Red	10A, Floor II
322		26.1	11.7	4.3	12A, Floor
373	Frag.	12.7	3.7		9A, Fill
430		23.7	12.9	1.9	12B, Fill
440	Frag.	7.3	1.5		17A, Fill
443		9.8	9.9	3.9	One Hand 5B, Floor

(II d) Rectangular in outline, surfaces parallel, one grinding surface convex, the other flat

No.	L.	W.	Th.	Remarks	Room
170		25.5	12.9	8.4	5A, Trench
185		19.7	11.3	3.7	8A, Floor

(II e) Rectangular in outline, surfaces parallel, one grinding surface slightly convex, the other flat

No.	L.	W.	Th.	Remarks	Room
94	Frag.	10.6	2.9		4A, Floor
153	Frag.	12.5	4.4		6B, Trench
213	Frag.	11.7	2.9		4A, Fill II
219	Frag.	11.3	1.5		9A, Floor
275	Frag.	11.5	1.3		13A, Trench
276	Frag.	Frag.	3.9		13A, Trench

Manos (Continued)

(II f) Rectangular in outline, roughly triangular in cross section, one grinding surface convex, the other beveled in a double plane with a longitudinal ridge between

No.	L.	W.	Th.	Remarks	Room
182	23.6	11.0	2.1	Painted Red	4A, Fill II
184	Frag.	10.0	2.1		4A, Fill II

(II g) Rectangular in outline, triangular in cross section, one grinding surface flat, the other beveled in a double plane with a longitudinal ridge between. Total 29.

Occurrence: Rooms 3A, 4A, 7A, 9A, 15A, 5B, 6B, 12B, Kiva I, fill; Room 4A, fill II; Room 4A, 2B, 12B, floor; Room 4A, Floor II; Room 7A, Below floor.

Dimensions: Length, 15.4 - 29.4 cm., average, 21.5 cm; width, 6.0 - 13.3 cm., average, 10.3 cm.; thickness, 1.2 - 5.4 cm., average, 2.5 cm. (20 fragments, 9 intact specimens)

Material: Sandstone, calcareous sandstone

(II h) Fragments, mostly rectangular in outline, grinding surface, spalled off, or too small a fragment to indicate shape of surface

Occurrence: Rooms 2A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 12A, 13A, 14A, 15A, 1C, 2B, 5B, 6B, Kiva I, fill; Room 4A, fill II; Rooms 2A, 3A, 6A, 8A, 9A, 10A, 1C, 5B, floor; Rooms 3A, 4A, 9A, floor II

Material: Sandstone

Grinding Stones

Oval in outline; surfaces parallel; grinding surfaces convex with several polished facets and lightly scratched; one specimen rectangular in outline.

No.		L.	W.	Th.	Material	Room
256686		13.3	10.2	4.2	Limestone	4A Floor I
256295	Biconvex	12.7	12.6	4.5		4A Floor II
256296	Flat	12.3	9.8	3.2		4A Floor II
256297		13.4	8.7	3.3		4A Floor II
256312		11.0	8.0	5.0		6B Floor NW Quad.
256337	Biconvex	10.4	10.0	3.9		9A Fill II
256338	Biconvex	12.2	10.0	3.8		5B Floor
256339	Biconvex	13.1	9.6	3.4		5B Floor
256340	Rectangular	12.9	12.0	5.1		5B Floor
256356	Biconvex	12.4	9.9	4.7		9A Fill II
256362	Biconvex	11.5	10.4	4.3	Limestone	12B Fill SW Quad.
256371	Rectangular convex	11.1	8.5	4.6	Limestone	9A Fill II

[All except one specimen in B levels]

Polishing Stones

Small pebbles, generally oval in outline with one or more flat smooth surfaces.

419	6.0	5.1	4.3	Quartzite	Trench B
256593	2.9	2.4	1.4	Quartz	Surface
256645	4.1	3.3	1.7	Quartz	2 Fill
256771	5.6	3.3	3.0	Quartz	6A Trench

Polishing Stones (Continued)

No.	L.	W.	Th.	Material	Room
256772	5.4	3.5	3.4	Quartz	2A Fill
256811	2.5	2.0	1.8	Basalt	2B Fill
256833	3.4	2.6	1.9	Quartzite	5A Trench
256837	5.9	5.3	3.8	Basalt	6B Trench
256849	5.0	2.5	2.1	Basalt	2B Trench
256884	7.2	5.9	3.0	Limestone	2B Floor
256905	6.0	4.5	3.0	Quartzite	9A Floor
256941	3.8	3.2	2.2	Quartz	5B Fill
257134	5.6	4.5	2.5	Basalt	Kiva II, Fill, E. 1/2
257120	5.8	3.0	1.7	Felsite	Tr. A., Sq. A- 1, Level 1
257106	5.0	2.2	2.0	Basalt	9A Floor II
257105	4.7	3.7	2.1	Felsite	9A Floor II SE. Corner
257082	2.1	1.3	1.2		9A Fill II Cache?
257062	6.9	3.5	2.8	Felsite?	12A Floor
257052	4.3	3.2	1.3	Felsite?	Kiva Trench
257041	4.1	2.8	2.1	Quartz	10A Below Floor I
257030	2.6	1.6	1.8	Felsite	5B Floor
257013	4.2	2.4	1.8	Felsite	5B Fill
256973	4.6	3.9	3.2	Quartz	5B Fill
256971	4.8	3.2	2.7	Felsite	10A Fill
256965	6.8	3.3	1.7	Quartzite	5B Fill
256964	5.8	4.3	2.8	Felsite	5B Fill
256960	4.2	3.3	2.4	Felsite	14A Trench

Pestles

Oblong in outline, rectangular cross section, some surface used for grinding ends well-worn, battered.

No.		L.	W.	Th.	Material	Room
256773	2 pits for grip	10.5	8.2	6.9	Diabase	4A Floor
129	fragment	10.5	8.1	6.9		6A Fill
226-227		11.6	7.4	6.0	Basalt	5B Fill
245		13.9	8.7	5.6		5B Fill
436	Multi-face	12.1	9.3	8.9		12B Fill
449	Multi-face	10.5	6.5	4.6	Vesicular Basalt	4A Floor II

Metates

Oblong outline with one curved end and one straight end grinding surfaces flat or slightly concave.

Slab type (19)

4A-1	Fragment	32	22	5		4A Fill
6B-1		43	30	5		6B Fill
15A-1	Fragment	26	23	5	Scoria	15A Fill
15A-2	Fragment	27	20	11	Scoria	15A Fill
15A-3		57	33	8		15A Fill
9A-1		40	26	4		9A Floor
9A-2		36	25	7		9A Floor
12B-1		27	25	10		12B
12B-2		24	24	14		12B
44	Fragment	11.2	6.6	4.0		2A Trench
77		46.4	22.2	9.2		1A Fill

Metates - Slab type (Continued)

No.		L.	W.	Th.	Material	Room
155		?	?	4.7		7A Trench
196		48.8	24.5	3.1		4A Below Flr.1
199		28.5	22.6	4.8		9A Fill
311		?	14.6	2.3		Kiva Trench
382		14.2	12.3	4.1		6B Fill
384		24.0	14.8	6.5		Kiva Floor
385		20.4	16.4	6.8		Kiva Floor
414		39.6	26.5	9.8		12A Floor

Trough Open Both Ends (12)

75	Fragment	27.9	16.5	7.5		2A Fill
78	Fragment	27.9	21.8	5.4		3A Fill
106	Fragment	14.2	13.8	8.7		6A Trench
115	Fragment	?	?	4.0		6A Trench
125	Fragment	?	16.8	6.0		4A Trench
126	Fragment	?	28.0	4.9		4A Trench
133		?	?	4.4		7A Fill
167	Fragment	?	?	5.3		2 Floor 1
228	Fragment	23.2	14.8	8.6		6B Fill
232	Fragment	20.0	11.9	4.9		4A Fill Below Floor II
354	Fragment	30.4	24.7	6.0		Kiva Trench
372	Fragment	18.7	14.3	4.6		9A Fill II

Trough type fragments (4)

62	Open 1 end	23.6	11.0	5.6		3A Fill
165		?	?	6.6		3A Floor

Metates - Trough type fragments (Continued)

No.	L.	W.	Th.	Material	Room
166	?	?	10.5		3A Floor III
	Trough depth: 9.0 cm.				
412	18.1	14.1	4.3		Tr. A Sq. A-Z/1
Shallow basin metates (2)					
405	51.2	47.9	8.0		6B Fill
79	34.9	19.4	7.7		2 Surface
	Depression depth: 18.8 x 11.2 x 1.1				

Small Metate-like Grinding Stones

Rectangular or oval slabs with one surface concave and smoothed through use.

61	19.9	11.0	3.6		3A Fill
190	31.4	17.6	7.9		5B Fill
355	34.1	15.7	12.2		Kiva Fill
378	13.7	13.6	3.3		Kiva floor
396	32.3	15.0	2.0		9A Fill II SE
191	32.3	17.3	7.2		4A Fill II
	Basin: 17.1	10.7	Depth: 6.9 cm.		

Multiple trough type - thick rectangular slabs with two or three basin-like troughs running transversely.

198	Three troughs	39.7	21.1	6.4	5B Fill
	Lengths:	13.4,	13.4,	12.8	
201	Two troughs	35.8	23.8	13.4	2B Fill
Kiva-Tr.	Two troughs	40	26	9	Kiva-Trench

Paint Palettes

Rectangular Slabs of sandstone with traces of paint on one or two surfaces.

No.	L.	W.	Th.	Material	Room
407	29.4	22.8	8.5		9A Floor
96	19.7	16.1	8.3		6A Trench
102	15.4	12.3	2.8		5A Trench
103	20.5	11.2	2.8		5A Trench
104	28.1	11.3	2.3		5A Trench

Painted Slabs

72	Rectan- gular	15.5	15.2	2.4		2A Fill
398		18.8	11.1	3.1		Kiva I Floor
399	Rectan- gular	17.2	16.1	4.5		Kiva I Floor
400		16.5	12.4	4.5		Kiva I Floor II SE Quad.
423	Trian- gular	13.7	8.8	3.4		Kiva I Floor Vent. Tunnel
445	Trape- zoid	19.1	16.1	7.1		4A Floor II
446	Rectan- gular	18.3	17.5	2.2	Sandstone	10A Floor
256605		7.9	6.9	1.9	Sandstone	3 East Wall
256606		4.8	3.7	0.8	Sandstone	1 SE Fill
256607		6.5	5.2	2.0	Sandstone	3 Trench SE
256681		4.5	4.5	0.7	Sandstone	1B

Worked Slabs

Roughly rectangular in outline, edges chipped or rough hewn to shape, occasionally edges smooth

Occurrence: Rooms 1A, 2A, 3A, 4A, 5A, 6A, 7A, 9A, 12A, 15A, 1C, 2B, 5B, fill; Room 4A, fill II; Rooms 2A, 4A, 9A, 1C, 2B, floor; Kiva I, floor; Room 4A, floor II, Kiva I, fill.

Dimensions: Length, 28.0 - 55.0 cm., average, 43.0 cm.; width, 16.7 - 36.0 cm., average, 26.6 cm.; thickness, 1.0 - 7.5 cm., average, 2.7 cm.

Material: Sandstone

Unworked Stone

Green lumps of pigment (malachite), two specimens faceted.. 15
From Rooms 2B, floor; 3A, fill; 3A, trench; 3A, floor II, 5A, trench; 5B, fill; 6B, fill, 7A, fill; 7A, trench; 7A, floor; 7A, below floor; 10A, fill; 10A, floor; 12A, floor; 14A, trench.

Blue lump of pigment (azurite). From Kiva I, floor.

Yellow lumps of pigment (limonite)..... 8

From Room 1B, floor, 2B, floor; 5A, floor; 5B, fill; 9A, fill II; Kiva I vault; Kiva II, below floor.

Dark Red lumps of pigment (hematite) all faceted, triangular and circular shapes, one to five facets..... 9

From Rooms 1A, trench; 2A, fill; 3A, trench; 3A, floor II; 5B, fill; 9A, fill II; 9A, floor II; Kiva I, fill; Kiva II, below floor.

Small selenite slabs..... 9

From Rooms 1C, fill; 5A, trench; 5A, fill; 5B, floor; 6B, floor; 9A, fill; 9A, cache; 4A, fill.

Small crystals, mostly quartz..... 6

From Rooms 4A, fill; 4A, fill II; 4A, floor II; 9A, cache; 10A, floor; Kiva I, trench.

Stone Mortars

Irregular slabs or block of sandstone with two broad, parallel flat surfaces, and one or more depressions or cavities in these surfaces.

No.	Diam.	Depth	L.	W.	Th.	No. Cavities	Room
65	4.6	2.3	15.3	11.2	3.4	Single	1B Fill
66	3.7	2.0	19.0	14.0	3.9	Single	2B N.Wall Fill
92	2.4 x 3.3	0.5	9.2	8.3	3.9	Two opposite	4A
100	2.2 x 3.2	0.5	10.6	6.8	4.1	Two opposite	2A Fill
130	"small"		7.7	5.6	2.3	Single	6A Fill
156	irregular		?	?	"thick" Single		7A Trench
178	2.3 x 3.4	0.6	9.0	6.0	3.8	Single	2 Strat.Col.
187	2.5 x 3.0	0.6	8.7	8.5	2.5	Two	8A Floor
197	4.0	1.1	25.7	15.2	5.5	Single	9A Fill
270	2.4 x 2.0	0.4	9.2	7.5	3.3	Three	2C Fill
287	2.5	0.7	8.2	6.0	5.3	Two opposite	6B Fill
289	2.4 4.0 x 3.0	0.9 1.5	10.8	9.5	3.2	Two	4A Floor II
305	3.2	1.0	11.3	9.5	4.2	Two opposite	4A Floor II

Stone Bowls or Mortars (Continued)

Bowls vs. Mortars. More finished objects usually rounded rectangular or circular in outline, surfaces often smoothed, rims flat, deeper bowls on average.

No.	Diam.	Depth	L.	W.	Th.	Material	Room
413	19.0 x 14.0	7.6	31.5	26.5	17.7		Kiva S. Platform
256687	6.8	2.2	10.7	10.4	4.5		4A Floor I Trench
256863	4.0 x 3.2	1.6	5.0	4.1	2.4	Vesicular Basalt	9A Fill
256977	9.3 x 8.4	2.2	12.7	11.5	5.8	Sandstone	6B Floor
257000	11.1 x 10.2	5.5	17.0	15.6	10.0	Vesicular Basalt	Kiva NW corner Fill
257034	conical		10.7	8.7	7.0	Basalt	8A Floor
257036			9.1	8.7	1.6	Vesicular Basalt	4A Floor II
257046	7.8 x 5.8	1.8	12.7	10.4	7.5	Limestone	12A Floor
257079	4.5	1.0	9.3	7.8	4.5	Quartzite	9A Fill II
256968	Frag.	0.8	9.4	6.4	4.4	Vesicular Basalt	4A Floor II

Axes

Three-quarters grooved type transitional to full
grooved.

No.	Width	Depth	L.	W.	Th.	Material	Room
256748	2.9	0.6	9.1	6.3	5.7	Basalt	5A Trench
256857	2.6	1.0	12.8	7.6	5.5	Basalt	4A Fill II
257068	1.8	0.4	11.0	7.4	5.7	Basalt	9A Fill II
257121	2.5	0.3	10.5	7.2	5.2	Basalt	Tr. A. Sq. A. 1/2
256802	1.8	slight	21.6	10.3	5.6	Diabase	7A Fill

Full-grooved type.

257069	2.3	0.5	15.1	6.2	3.6	Basalt	9A Fill II
256881	0.8	0.6	12.5	6.8	6.8	Basalt	5A Floor
257101	2.2	0.5	7.9	6.8	0.5	Basalt	15A Fill

Fragments

257071	1.9		13.5	12.7	4.8	Micro- granite	Kiva I Trench
257103	No groove		11.7	6.7	5.0	Basalt	9A Fill II
257067			7.0	6.0	3.3	Basalt	12A Floor

Mauls

Grooved three sides.

256876	slight groove		12.3	7.9	6.5	Basalt	9A Fill
256730	0.7	0.4	6.6	5.7	3.9	Calcareous Sandstone	7A Trench

Mauls (Continued)

Full-grooved type.

No.	Width	Depth	L.	W.	Th.	Material	Room
257024	1.8	0.6	10.4	8.5	8.5	Vesicular Basalt	5B Floor
257025	2.1	0.8	11.7	9.5	8.4	Granite	5B Floor
257089	slight groove		14.7	7.4	7.2	Vesicular Basalt	12B Fill
256713	2.2	0.5	8.5	6.9	6.2	Calcareous Sandstone	4A Trench
256668	notches & grooves		7.0	3.5	3.4	Calcareous Sandstone	2A Fill

Arrow Shaft Tools

Roughly rectangular blocks of stone with polished groove running longitudinally.

256087	1.3	0.6	6.8	4.6	3.3	Vesicular Basalt	9A Fill II
256646	0.8 shallow		6.3	4.7	1.5	Basalt	2A Fill
256853	1.0	0.4	7.8	6.9	4.2	Limestone	Surface

Transverse groove polished

256635	1.0 shallow		11.3	6.6	3.1	Basalt	2A Trench
257026	1.1		8.5	9.8	3.5	Basalt	5B Floor
256729	1.0	0.5	10.0	7.1	2.8	Limestone	4A Floor
257124	0.4 0.6	0.5 0.6	4.1	3.1	3.1	Limestone	Tr. B. Sq. B-1
256906	1.1	0.5	5.6	4.3	2.9	Limestone	9A Floor
256682			10.5	6.0	2.1	Limestone	1A Floor

Arrow Shaft Tools (Continued)

Transverse grooved, truncate-triangular in cross section
groove polished.

No.	Width	Depth	L.	W.	Th.	Material	Room
256907	1.1	0.6	9.3	5.9	6.3	Limestone	5B Fill
257097	No groove		8.6	4.3	3.3	Limestone	5B Floor

Ridged type fragment.

256932	1.0	0.3	7.3	5.0	4.2	Limestone	5B Fill SW Quad.
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Coarse grained, abrasive stone, groove runs lengthwise.

256757	0.8	0.3	8.6	4.2	3.1	Vesicular Lava	7A Trench
256778	0.8	0.3	5.6	3.6	2.7	Sandstone	1A Fill
256717	1.0	0.2	6.7	4.1	2.2	Sandstone	4A Floor I
256945	1.2	0.4	5.4	5.2	4.4	Sandstone	13A Trench

Abrading Stones

Roughly rectangular blocks of vesicular basalt or coarse
grained stone; worked surfaces and edges; some specimens
tend to oval shape, one with red paint in cavities.

No.	L.	W.	Th.	Material	Room
391	9.9	9.6	5.2		9A Floor II
392	12.0	8.7	6.6		12B Floor
393	10.5	8.9	8.0	Vesicular basalt	5B Floor
418	10.1	8.8	4.0		Trench B
439	12.4	7.3	6.9	Vesicular basalt	12C Fill
256758	8.5	6.1	3.5	Vesicular basalt	2B Fill

Whetstones

Small rectangular pieces of sandstone, all surfaces and edges smoothed through use.

No.	L.	W.	Th.	Room
397	6.4	4.4	3.0	10A, Floor II
256760	4.6	3.3	2.1	7A, Trench
256636	4.2	3.8	0.9	2A, Trench

Axe Sharpening Stones

Large thick slabs of sandstone with long straight grooves worn in one surface.

No.	L.	W.	Th.	Groove		Depth	Room
				L.	W.		
73	20.8	18.6	6.0	12.2	3.7	0.4	2A, Fill
76	29.7	29.1	7.6	18.8	5.3	0.7	2A, Fill
168	28.2	22.0	8.6	18.8	5.6	0.9	5A, Trench
388	17.6	14.2	4.1	10.4	?	1.2	Kiva I, Fill
253	?	?	?		2.5	0.3	4A, Floor II
189	45.4	34.0	8.0	22.4	3.9	0.6	7A, Fill

Grooved Stones

Roughly rectangular blocks of sandstone with wide shallow grooves running longitudinally down each surface.

No.	L.	W.	Th.	Groove		Room
				W.	Depth	
256638	12.2	6.8	4.0	2.3	2.2	1A, Trench
304	11.1	5.6	3.8	?		4A, Floor II
	9.8	9.4	4.4	2.3	1.5	4A, Floor II

Stone Disks (Pot Covers?)

Roughly circular slabs with parallel surfaces.

No.	L.	W.	Th.	Material	Room
257083	14.2	13.3	1.5	Sandstone	9A, Fill II
257104	12.6	12.3	2.1	Basalt	9A, Floor II
257102	13.3		1.8	Frag.-Sandstone	9A, Floor II
257088	17.8	8.8	1.4	Sandstone	9A, Fill II
309	13.5	13.1	5.5		4A, Floor II
437	19.1	18.0	2.2	Chipped to shape	12C, Fill
53	7.4	6.9	1.9		3A, Trench

Small Stone Disks

Small circular sandstone disks with parallel surfaces.

256565	5.2	4.8	0.6		3A, Trench
257043	5.4	5.0	0.9		5B, Floor

Pot Rests

Roughly oblong in outline, edges rough hewn, one broad surface worked, the other rough.

316	19.4	12.1	4.6		9A, Fire Pit
317	18.8	12.6	4.5		9A, Fire Pit

Stone Cylinders

Cylindrical pieces of vesicular basalt with bluntly rounded ends, round cross-section, some taper at one end.

No.	L.	W.	Th.		Room
256657	6.3	3.8	3.4	Tapered one end	2A, Fill
256731	8.6	2.9	2.7	Tapered one end	6A, Trench
256770	4.9	2.2	2.0	Tapered both ends	2B, Fill
257133	8.2	3.3	2.9		Trench B, Sq. B-1/3
257132	5.3	2.7	2.4		Trench B, Sq. B-1/3
257050-1	6.7	3.6	3.1	Tapered	4A, Floor II
257050-2	5.4	2.5	1.7	Flattened cross-section	4A, Floor II
257049-1	8.0	3.1	2.3	Flattened cross-section	4A, Floor II
257049-2	7.5	3.6	3.0		4A, Floor II
257038	9.9	3.0	2.9	Tapered one end	4A, Floor II
257037	6.5	3.1	2.8		4A, Floor II
257035	7.1	3.1	2.6	Tapered	5B, Fill
257027	9.2	4.0	2.4	Flattened oval cross-section	5B, Floor
256972	7.4	2.8	2.2	Tapered	10A, Fill

Pipe Molds

Angular cobblestones, with holes drilled through from two opposite surfaces meeting approximately two-thirds of the way through; hole narrower at junction, opening wider at one surface than at the other.

No.	L.	W.	Th.	Diam.	hole	Material	Room
256785	14.2	9.3	7.5	3.9	2.6	Basalt	5A, Fill E Wall
426	25.5	18.5	3.5	7.4	5.8		Kiva I Ventilator

Smooth Saws

Small thin slabs of grit stone, wedge shape in cross-section with one edge beveled in two planes, surfaces ground smooth.

No.	L.	W.	Th.	Material	Room
257014	7.2	5.0	0.7	Sandstone	4A, Floor II
256567	3.4	3.3	0.4	Sandstone	1A, Trench

Hoe

Thin plate of stone roughly oblong in outline with one squared end and one rounded end; edges and some surfaces chipped; notched in opposite sides near squared end; rounded end polished from use, more on one surface than the other.

256774	8.6	5.5	1.5	Felsite	5A, Trench, N. Wall
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Effigy

Possibly frog, oval squat body with head at one end, separated from body by groove, bulging left eye, wide open mouth, two slight knobs on stomach represent legs.

Scratched on right side of body and head.

No.	L.	W.	Th.	Material	Room
256958	4.1	2.7	2.3	Sandstone Tuff	4A, Floor II

Stone Pendants

Grooved cylindrical

Small sandstone objects circular in cross-section, flat on ends, groove 0.3 wide, 0.2 deep, encircles middle.

256959	2.0	1.9	1.7	Sandstone	4A, Floor II
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Crystal Disk

Disk with two flat end surfaces not parallel; all surfaces well smoothed and polished.

256988	Diam. 1.2	Th. 0.7	Calcite	5B, Fill W. of Fire Pit
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Triangle

Small tablet of stones in form of scalene triangle, all surfaces and edges smooth.

256989	2.3	2.1	0.4	Calcity	6B, Fill
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Projectile Points

Small, triangular, lateral notched, straight base

No.	L.	W.	Th.	Material	Room
256587	2.5	1.0	0.2	Chert	3A, Fill
256586	2.3	1.3	0.2	Chert	3A, Fill
256992	2.4	1.3	0.3	Chert	12A, Fill
256909	1.6	1.3	0.2	Chert	9A, Floor
256783	2.0	1.1	0.2	Chert	4A, Fill II

Small, triangular, no notches, straight base

No.	L.	W.	Th.	Material	Room
256784	2.8	1.1	0.5	Obsidian	4A, Floor II

Small, triangular, no notches, concave base

No.	L.	W.	Th.	Material	Room
257020	1.8	1.3	0.3	Obsidian	5B, Floor
256699	2.8	1.6	0.5	Chert	1C, Fill
256841	2.1	1.1	0.2	Obsidian	5A, Fill

Small, triangular to leaf-shaped, convex base

No.	L.	W.	Th.	Material	Room
256739	2.7	1.4	0.4	Chert	5A, Trench
256701	2.8	1.8	0.4	Chert	2A, Floor
256880	Frag.	1.8	0.6	Chert	9A, Fill
256782	4.0	1.6	0.7	Chert	4A, Fill II
257045	3.1	1.5	0.5	Chalcedony	Kiva I, Fill
256927	Frag.	2.7	0.5	Chert	Kiva I, Trench

Medium sized corner notched points with expanding bases

No.	L.	W.	Th.	Material	Room
256684	5.3	2.0	0.6	Fine grained basalt	4A, Trench
256644	3.0	2.2	0.3	Chert	2A, Fill
256563	4.6	2.0	0.4	Chert	2A, Trench
256621	4.0	2.1	0.3	Chert	1A, Trench
256819	3.6	2.0	0.6	Chert	5A, Fill
256788	4.3	2.3	0.6	Chert	5A, Trench

Diagonal notched basal fragments

No.	L.	W.	Th.	Material	Room
256727	Frag.	3.3	0.8	Chert	2D, Fill
256738	Frag.	3.7	0.6	Chert	5A, Trench
256915	Frag.	3.7	0.6	Chalcedony	4A, Floor II

Small diagonal notched point, expanding base narrower than shoulder

No.	L.	W.	Th.	Material	Room
257135	2.1	1.4	0.2	Chalcedony	17A, Floor

Lateral notched point, expanding stem, ear-like barbs, concave base

No.	L.	W.	Th.	Material	Room
256803	2.8	2.2	0.7	Chert	2B, Fill

Small blade with convex edges, and rounded shoulders, long stem with parallel sides

No.	L.	W.	Th.	Material	Room
256874	4.1	1.5	0.5	Chert	9A, Fill

Roughly oblong blade with tapering stem

No.	L.	W.	Th.	Material	Room
256558	5.2	3.4	0.7	Chert	3A, Trench

Projectile point and blade fragments

No.	L.	W.	Th.	Material	Room
257021	3.0	1.9	0.4	Obsidian	5B, Floor - Notched
257125	Frag.	2.2	0.5	Chert	Trench B, Square B-1 Notched
257053	Frag.	3.2	0.9	Chert	9A, Fill II - Blade
257023	Frag.	2.7	0.7	Chert	6B, Fill - Blade
256852	Frag.	3.8	0.7	Chert	2B, Fill - Blade
256641	Frag.	2.9	0.8	Chert	1A, Fill - Blade
256559	Frag.	Frag.	0.4	Chert	1A, Trench - Tip
256560	Frag.	Frag.	0.3	Obsidian	2A, Trench - Tip
256600	Frag.	Frag.	0.2	Chert	3A, Trench - Tip
256928	Frag.	Frag.	0.2	Chert	4A, Floor II- Tip
256929	Frag.	Frag.	0.4	Chert	4A, Floor II- Tip
256584	Frag.	Frag.	0.2	Chert	2A, Trench - Tip
257099	Frag.	Frag.	0.2	Chert	Kiva, Floor
256839	Frag.	Frag.	0.5	Chalcedony	5A, Fill
256781	Frag.	Frag.	0.4	Chert	5A, Fill
257115	Frag.	Frag.	0.3	Chert	Kiva Floor - Notched
256921	Frag.	Frag.	0.3	Chert	4A, Floor II- Notched
256955	Frag.	Frag.	0.6	Obsidian	4A, Floor II
257039	Frag.	Frag.	0.2	Chert	Back dirt

Hammerstones

Random pebbles with ends and broad surfaces pitted and battered through use, rounded and angular shapes

Occurrence: Rooms 2A, 4A, 6A, 7A, 9A, 17A, 2B, 2C, 5B, 6B, 12B, fill; Rooms 4A, 9A, fill II; Kiva I, fill; Rooms 3A, 5A, 8A, 10A, floor; Rooms 4A, 10A, floor II, Kiva II, below floor.

Dimensions: Length, 5.3 - 11.0 cm., average, 7.4 cm.; width, 4.5 - 8.6 cm.; average, 6.4 cm.; thickness, 3.8 - 6.9 cm., average, 5.4 cm.

Materials: Chert, vein quartz

Flake Knives

Random thin flakes, longer than broad, generally chipped along one edge, possibly from use; less frequently sharpened by re-touch chipping.

Occurrence: Rooms 1A, 2A, 3A, 4A, 5A, 6A, 7A, 12A, 13A, 1B, 1C, 2B, 2C, fill; Rooms 4A, 9A, fill II; Kiva I, fill; Rooms 2A, 5A, 6A, 8A, 10A, 13A, 6B, floor; Rooms 3A, 4A, 10A, floor II; Kiva I, floor; Rooms 1B, below floor; Kiva II, below floor.

Dimensions: Length, 1.8 - 6.8 cm., average 3.5 cm.; width, 1.1 - 4.7 cm., average, 2.3 cm.; thickness, 0.3 - 0.8 cm., average, 0.5 cm.

Materials: Chert, chalcedony, fine-grained basalt, quartzite, obsidian, felsite.

Scrapers

Thick flakes with secondary chipping at steep angle along one or more edges; generally plano-convex or concavo-convex in cross section; convex surface shaped by percussion chipping, no regularity of outline.

Occurrence: Rooms 1A, 2A, 3A, 5A, 6A, 7A, 9A, 10A, 11A, 13A, 17A, 1B, 2B, 2C, 5B, 6B, fill; Room 4A, fill II; Kiva I, fill; Rooms 6A, 9A, 12A, 13A, 2B, 5B, floor; Rooms 3A, 4A, floor II; Room 3A, floor III.

Dimensions: Length, 2.1 - 9.1 cm., average, 4.7 cm.; width, 1.4 - 7.0 cm., average, 3.5 cm.; thickness, 0.5 - 3.2 cm., average, 1.3 cm.

Materials: Chert, chalcedony, fine-grained basalt, felsite, jasper-chert, calcite, vein quartz.

Drills

Small abruptly widening flange with slender tapering point.

No.	L.	W.	Th.	Material	Room
256867	4.6	0.8	0.5	Chert	9A, Fill
256585	6.0	1.6	0.7	Chert	2A, Trench E. Wall
257086	2.2	1.4	0.2	Drill?	Kiva, Fill

Plain Shafted

257128	5.3	0.6	0.5	Chert	Trench B. Sq. B-1, Level 2
256683	4.6	0.9	0.6	Chert Frag.	3A, Strat. Column Level 3
256840	3.4	1.9	0.5	Chert	7A, Floor I
256834	2.7	1.1	0.5		5A, Trench

Graver?

Roughly triangular flake, shaped to a point at one end, base rounded.

257100	2.6	1.4	0.6	Obsidian	Kiva Floor
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Punch

Large base tapering to a slender drill-like shaft and point; secondary chipping only along edges and pointed end.

256848	5.3	2.1	1.3	Chert	5A, Fill
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Saws

Thin flakes, irregular to oblong in outline with secondary chipping along one or more edges to form evenly spaced indentations and teeth.

No.	L.	W.	Th.	Material	Room
256561	2.1	1.2	0.3	Chalcedony	2A, Trench
256597	3.8	1.8	0.3	Chert	2A, Trench E Wall
256685	3.5	2.3	0.6	Chert	4A, Trench N Wall
256712	4.4	3.7	0.5	Chert	3A, Strat. Col. Level 5
256805	4.3	2.1	0.5	Chert	5A, Fill Trench W Wall
256838	4.7	2.8	0.5	Chert	Surface
256873	3.4	2.9	0.6	Chert	4A, Fill II
256890	3.8	3.2	0.5	Chert	4A, Fill II
256918	2.8	2.5	0.5	Chalcedony	6B, Fill
256919	3.4	3.1	0.4	Chert	6B, Fill
256937	3.5	2.7	0.5	Chert	5B, Fill
257127	2.2	2.1	0.5	Chert	Trench B, Sq. B-1
257107	5.0	2.8	0.6	Opaline Silica	9A, Floor II
257093	3.0	3.1	0.9	Chert	12B, Fill
256985	4.7	2.4	0.3	Chert	5B, Fill
257022	3.9	2.4	0.1	Chert	6B, Fill
256957	4.8	3.2	0.5	Chert	4A, Floor II

Choppers

Angular nodules percussion flaked on one or more surfaces to form sharp cutting edge, some secondary chipping to make a keener edge. Part of original surfaces of stone left intact for grip.

No.	L.	W.	Th.	Material	Room
FN 64	10.1	8.3	7.0		2A, Fill
FN 99	12.4	9.9	2.7	Pebble	2A, Fill
FN 259	7.4	7.5	3.5		9A, Floor
FN 261	11.3	7.5	5.3		10A, Floor
FN 303	10.7	9.4	4.2	Pebble	4A, Floor II
FN 330	8.8	6.3	3.4	Pebble	Kiva, Trench
FN 368	11.1	8.8	5.6	Biface	Kiva II, Room 15A, Fill
FN 374	10.4	7.6	2.5		9A, Fill
FN 383	5.9	4.9	3.2		6B, Fill
FN 394	8.0	6.3	5.4	Biface?	5B, Floor
FN 395	7.8	6.0	4.5		Kiva I, Fill
FN 424	10.6	8.9	2.6	Pebble	Kiva, Trench
256801	6.8	6.8	3.2	Chert	7A, Fill
256826	9.2	9.2	2.6	Fine Grained Basalt	2B, Fill
256827	7.2	6.0	4.3	Biface-Chert	5A, Trench
256961	7.3	7.3	3.9	Chert	14A, Trench
256875	6.2	5.8	3.8	Felsite	9A, Fill

Shell Bracelets Fragments

Thin curved sections of bivalve shell, some decorated.

No.	L.	W.	Th.		Room
256590	4.7	0.6	0.4	Incised	3A, Fill
256589	4.3	0.7	0.4		3A, Fill
256619	3.8	0.5	0.3		1A, Trench
256623	4.7	0.7	0.4		2A, Fill
256626	4.2	0.6	0.3		3A, Trench
256878	4.0	0.4	0.3		4A, Fill II

Shell Needles or Pendants

Thin curved sections of bivalve shell (*Glycymeris*), possibly reworked bracelet fragments, one end smoothed and pointed; two specimens with hole through opposite end, another specimen with two opposed lateral notches at the end, one specimen decorated (?) with two incised lines near each end.

256842	4.6	0.5	0.4	hole 0.2 cm.	1C, Floor II
256603	5.7	0.5	0.4	hole	3A, Trench N. Wall
256650	3.8	0.7	0.3	notched	3A, Roof

Thin curved section of bivalve shell (*Glycymeris*); rectangular in cross-section; surfaces and ends smoothed; umbo perforated.

256588	4.8	1.2	0.6		3A, Fill
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Small oblong slightly curved section of bivalve shell; natural notches in one edge; hole drilled through near one end.

257143	?	2.4	1.0	hole 0.4	Trench B
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Small olivella shells with spires cut and ground off.

No.	L.	W.	Th.	Room
257063	0.9	0.5	0.5	Kiva I, Trench N. Wall
256591	1.4	0.7	0.6	1A, Trench
256592	1.6	0.8	0.7	Surface
256622	1.3	0.6	0.5	2A, Trench
256791	1.5	0.7	0.6	7A, Trench N. Wall
256864	1.2	0.6	0.5	2A, Strat. Col. L. 3 to L. 4

Small olivella shells with part of spires and bases
cut off and ground down.

256628	0.8	0.5	0.4	3A, Trench
256870	0.8	0.5	0.4	2B, Strat. Col. L. 5 to Floor
256986	0.7	0.6	0.5	4A, Floor II

Tiny whole shell unworked except for small hole through
side.

256821	0.5	0.4	0.3	Nassaridae	Surface near Rm. 1A
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Small bivalve shells with perforated umbos, surfaces
smooth and polished.

256987	1.1	1.0	0.1	Glycymeris	4A, Floor II
256740	1.5	1.3	0.2	Glycymeris	7A, Trench
256871	2.6	2.4	0.3	Glycymeris	3A, Fill
256991-1	2.0	2.0	0.2	Glycymeris	4A, Floor II

Small bivalve shells (continued)

No.	L.	W.	Th.		Room
256991-2	1.6	1.5	0.1	Glycymeris	4A, Floor II
256966-1	1.8	1.8	0.2	Glycymeris	
256966-2	1.7	1.8	0.2	Glycymeris	
256625	1.8	1.8	0.2	Glycymeris	

Assymmetrical twisted piece of large gastropod(?) shell
small hole drilled through thinner section; two holes
opposite each other through long axis but not connected.

256741	2.6	1.9	0.2	Thaididae	5A, Trench E. wall
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Worked Clam Shell

Clam shell worked in form of long oval.

257144	4.3	2.0	0.1		Kiva II, Floor
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Small Disk Beads

Symmetrical minute circular beads with hole drilled
through center.

256916	0.3	0.3	0.2		5B, Fill
256756	0.2		0.1		Surface, Room 2
256931	0.2		0.05		5B, Fill
257019	0.3		0.2		5B, Floor

Cut Shell Triangular Bead

Thin triangular flat piece of shell, small hole off
center towards base of triangle.

256820	1.0	0.7	0.1	Anodonta?	Surface, Room 2A
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Tabular Stone Pendant

Generally triangular flat piece of turquoise stones, edges and surfaces smooth, polished, small hole near one corner partly missing.

No.	L.	W.	Th.	Room
256865	1.2	1.0	0.2	4A, Trench W. Wall

Tabular Bone Pendants

Thin rectangular pieces of bone with holes drilled through near one end, opposite end of one specimen is serrate and colored red.

256998	7.5	2.7	0.3		6B, Fill W. Wall
257084	3.8	2.5	0.1	serrate	9A, Fill II, NW
257109	4.7	1.5	0.5		9A, Floor II

Effigy Bone Pendant

Thin piece of bone in form of stylized bird or animal beak or mouth open; hole through center has two concentric circles incised around it, one surface smooth, the other still rough, mouth carved in both surfaces.

256598	4.7	2.0	0.3		2A, Trench E. Wall
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Bone Tubes

Hollow sections of long bone shafts, tiny to large in size, ends cut and smoothed; two longer specimens with two lines incised around each end.

257130-1	2.4	0.6	0.5		Kiva Vault
257130-2	2.5	0.6	0.5		Kiva Vault
256583	4.7	0.7	0.7		3A, Fill

Bone Tubes (Continued)

No.	L.	W.	Th.		Room
256648	13.3	1.3	0.9	Incised-ends	2A, Roof
256877	13.6	1.1	0.8	Incised-ends	9A, Fill
256691	5.5	2.4	2.2	7 incised lines	4A, Floor I
256818	6.3	1.0	0.8		5A, Trench
256911	6.4	1.3	0.9		5B, Fill
256895	6.6	1.2	0.9		5B, Fill
257065	7.6	1.4	1.0		9A, Fill
256922	7.7	0.7	0.5		6B, Floor
256923	4.0	0.9	0.7		6B, Fill
256925	3.7	1.0	0.9		5B, Fill

Bone Whistles

Sections of hollow long bones, ends cut evenly, smooth oval hole through one surface roughly half way between the ends on the shorter specimens; closer to one end on the longer specimens.

				hole	
256926	11.7	1.2	0.9	0.7 x 0.4	5B, Floor
256898	9.5	1.0	0.9	0.7 x 0.4	5B, Fill
256755	7.8	1.1	1.1	0.6 x 0.5	5A, Trench, NE corner
256896	Frag.	1.0	0.9	0.8 x 0.6	5B, Fill
256910	Frag.	1.3	1.0		5B, Fill
256912	Frag.	1.2	0.9		5B, Fill
256866	Frag.	1.2	0.8		9A, Fill, N. Wall
256640	Frag.	1.4	1.0		1A, Floor

Bone Rings

Broad flat rings, short wide sections of hollow long bones.

No.	L.	W.	Th.		Room
256501	1.8	0.5	0.1	Fragment	2A, Trench E.Wall
256604	2.0	2.0	0.5		1A, Trench
256676	2.6	2.0	0.8	Worked down Vertebrae	1B, Floor
256893	2.3	1.3	0.5		10A, Fill

Ring Blanks

Long bone shafts with one condyle intact, clean lateral cut at opposite end, one specimen with ring deeply incised near cut end.

256582	4.3	3.6	1.6	May be "bunt"	2A, Trench E. Wall
256639	12.6	3.4	2.3		1A, Floor
256678	13.3	6.0	2.8		1B, Fill
256777	7.9	5.8	2.8		7A, Trench W.Wall
257095	13.3	3.1	2.8	Incised ring	9A, Fill II
257077	8.2	3.0	2.9		14A, Trench

Bone Awls

Head of bone intact other end worked to a sharp point.

256574	5.2	1.2	0.3		2A, Trench E. Wall
257055	6.2	2.4	1.0		9A, Fill II
257066	7.9	1.0	0.6		Kiva, N. Wall, Trench
257018	8.7	0.7	0.6		12A, Floor
256690	9.9	1.9	0.7		2B, Fill

Bone Awls (Continued)

No.	L.	W.	Th.	Room
256990	15.2	1.8	0.6	15A, Trench W. Wall
256754	10.0	1.6	0.6	7A, Trench W. Wall
256742-1	14.3	3.5	0.9	5A, Trench E. Wall
256742-2	14.3	3.9	0.9	5A, Trench E. Wall
256779	10.0	3.5	1.2	5A, Fill East Wall
256952	11.9	3.8	1.1	4A, Floor II
256900	10.9	3.2	1.0	6B, Fill
257131	11.3	4.2	1.8	15A, Kiva II, Floor
256579	10.0	3.0	1.0	1A, Trench Southeast Corner
256573	7.3	2.7	1.2	2A, Trench E. Wall

Head of bone intact except for splitting other end worked
to point.

256679	7.0	1.9	0.6	2B, Fill
256688	12.6	2.5	0.6	4A, Fill
257017	9.7	1.6	0.5	5B, Floor
256904	6.3	1.7	0.8	6B, Fill
256624	10.6	2.0	0.6	3A, Fill
257080	5.7	2.1	1.1	9A, Fill II, Cache S.E. Corner
256892	7.9	1.9	0.4	5B, Fill
256901	10.6	1.2	0.5	5B, Fill
256752	10.8	2.1	1.5	3A, Fill II
256950	11.3	2.3	0.5	5B, Fill
256649	15.0	1.9	1.4	3A, Fill
256816	16.2	1.9	0.8	7A, Floor W. Wall

Bone Awls (Continued)

Head of bone partly worked down after splitting, other end cut, ground and polished to a point.

No.	L.	W.	Th.	Room
256999	10.0	2.2	0.5	5B, Fill
257113	8.6	1.5	1.2	9A, Floor II
256569	9.1	1.3	0.5	1A, Trench E. Wall
256753	7.6	1.3	0.9	7A, Trench W. Wall
256780	9.1	1.4	0.7	5A, Fill E. Wall
256705	9.4	1.3	0.6	4A, Fill S.W. Quad.
256815	8.7	1.2	0.9	5A, Trench E. Wall
257122	10.9	0.9	0.7	Kiva Vent.
257040	10.3	1.0	0.4	Back Dirt
257140	10.5	1.8	1.3	5B, Floor II
256903	14.6	1.5	0.7	4A, Floor I
256886	18.2	1.6	0.4	5B, Fill
256920	15.8	1.3	0.5	4A, Floor II
256689	16.1	1.1	0.5	4A, Floor I
257110	17.5	1.1	0.6	9A, Floor II
256570	19.8	1.3	0.7	1A, Trench E. Wall
257054	12.0	3.3	1.0	Ulna 9A, Fill II

Head of bone removed and worked down--squared off or rounded off and polished, other end ground and polished to point.

256814	7.3	1.0	0.6	5A, Trench S. Wall
256790	6.5	1.1	0.3	5A, Trench E. Wall
256858	5.1	0.7	0.2	4A, Fill II

Bone Awls (Continued)

No.	L.	W.	Th.	Room
256571	6.5	0.6	0.3	2A, Trench North Wall
256806	8.6	1.1	0.6	7A, Floor
256666	11.2	0.7	0.4	1A, Fill
256953	11.8	1.0	0.3	4A, Floor II
256899	9.7	0.9	0.5	6B, Fill
256872	12.2	0.8	0.5	9A, Fill
256575	8.7	0.9	0.7	3A, Trench East Wall
256891	9.6	0.7	0.3	2C, Fill
256680	10.9	1.1	0.5	2B, Fill
257129	6.8	1.5	0.6	Tr.B., Sq.B-1, Level 2

Made from split bone, head broken off, top shows traces of decoration or binding.

257118	12.0	1.4	0.6	6B, Fill
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Made from bone splinters or ribs

257142	6.6	1.4	0.3	rib?	Trench, outside Rm. 17
257114	11.3	1.4	0.9		Kiva I, Floor
256580	12.8	2.0	0.5		1A, Trench S.E. corner
256715	10.2	1.9	0.2		6A, Trench
257108	12.3	1.4	1.1		9A, Floor II

Bone Awl Fragments

Split bone awls with head of bone broken off in jagged end, some merely tips

Occurrence: Rooms 1A, 2A, 5A, 6A, 7A, 14A, 2C, 5B, 6B, fill; Room 4A, fill II; Rooms 9A, 5B, floor; Rooms 3A, 4A, 9A, floor II, Room 5B, below floor; Trench B., Square B-1.

Dimensions: Length, 3.2 - 14.1 cm.; width, 0.6 - 1.5 cm.; thickness, 0.3 - 0.8 cm.

Bone Rib Tools

Short section of rib, one end cut in rounded form and adjacent edge cut straight.

No.	L.	W.	Th.	Room
257044	8.0	1.9	0.4	5B, Floor S. Wall
257139	12.2	1.9	0.5	Trench B, Sq. B-1, Level 2

Curved Bone Object

Long, thin curved section of bone, convex surface smooth, concave surface vesicular, sides smooth, ends rounded and smoothed. Stick swallows stick?

256994	25.8	1.5	0.6	10A, Floor
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Cut & Worked Bone

256723	7.3	1.9	1.5	2D
256643	9.1	2.3	0.9	1B, Fill

Antler Tools

Flakers? Curved antler tine tips some beveled and scored, proximal end worked or broken jagged.

256665	8.3	1.5	0.8	Upper end worked	2A, Fill
256850	16.8	4.0	2.0	Doubtful	2B, Fill
256993	16.3	2.6	1.9	Beveled	4A, Floor II
256602	11.7	1.5	1.4		3A, Trench E. Wall
256954	10.2	1.3	1.1		4A, Floor II

Wedge or chisel -- Antler tine with point planed off to wedge shaped cross section, broken at proximal end.

256967	10.4	2.5	1.8		4A, Floor II
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Antler Tools (Continued)

Wrench. Section of antler from burr to first fork, planed off flat on opposite surfaces and with hole drilled through middle.

No.	L.	W.	Th.	Room
257145	19.7	4.2	3.9	5B, Floor

Pottery Pipe

Tubular-conical type, round cross section, tapers from bowl end to opposite end, interior bore increases in size gradually towards bowl end. Hole at bowl 2.8 cm. diameter, at opposite end 0.7 cm., offset shoulder 2.0 cm. from bowl end; decorated in brown on white slip - in longitudinal stripes and stripes with pennants.

256969	14.5	5.2	1.8	10A, Floor SE Corner
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Animal Effigy

Lower part of body and two protuberances representing legs of animal.

256599	3.4	2.3	1.8	3A, Trench North Wall
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Worked Sherds

Pottery discs with edges ground smooth or fragment thereof.

256716	6.5	6.2	0.4	4A, Floor
256747	4.6	3.3	0.6	7A, Trench
256948	4.3	2.8	0.6	5B, Fill
257076	5.0	2.5	0.6	6B, Fill NW Quad.

Worked Sherds (Continued)

No.	L.	W.	Th.		Room
257061	3.7	2.5	0.7		Kiva, Trench
257051	4.3	4.1	0.7		5B, Floor
257033	5.3	2.4	0.6	whorl	5B, Floor
256564	5.8	4.7	0.7	whorl	2A, Trench N. Wall
257117	7.6	7.4	4.3		6B, Fill
One curved edge					
257074	2.6	2.0	0.6		5B, Floor
256658	5.0	3.2	0.5		3A, Fill
256726	6.2	2.6	0.6		6A, Trench
257047	5.0	4.7	0.5		5B, Floor
256698	9.1	5.9	0.5	rectangular	1B, Floor
257048	3.2	2.6	0.6	rim & curved edges	9A, Fill
One straight edge worked smooth					
256549	7.0	3.1	0.7		3A, Trench
257075	4.0	3.7	0.5		15A, Trench
256975	3.0	2.5	0.6		14A, Trench

ROOM 1 - HOOPER RANCH
DECORATED WARE

	A Fill No.	B Fill No.	B Flr. No.	B Sub Flr. 1 No.	C Fill No.	C Flr. No.	Total No. %	
Four Mile Poly.	8	2	---	---	---	---	10	1.10
Gila Poly.	---	---	1	---	---	---	1	.11
Heshotauthla Poly.	4	---	3	---	1	1	9	.99
Kwakina Poly.	2	2	---	---	---	---	4	.44
Pinedale B/R	---	---	---	---	7	3	10	1.10
Pinedale Poly.	20	4	---	---	---	---	24	2.63
Pinnawa G/W	1	---	---	---	---	---	1	.11
Puerco B/R	---	---	---	---	1	---	1	.11
Querino Poly.	1	---	---	---	1	---	2	.22
Red Mesa B/W	1	---	---	---	1	---	2	.22
Reserve B/W	5	8	2	1	---	---	16	1.75
St. Johns Poly.	---	---	---	---	2	---	2	.22
Tularosa B/W	48	34	14	---	16	1	113	12.37
Tularosa W/R	14	---	---	---	---	---	14	1.53
Indeterminate B/R	12	---	7	---	12	---	31	3.39
Indeterminate B/W	13	---	---	---	2	---	15	1.64
Indeterminate W/R	3	---	---	---	---	---	3	.33
Indeterminate G/R	23	---	---	---	---	---	23	2.52
Indeterminate	<u>52</u>	<u>33</u>	<u>41</u>	<u>---</u>	<u>1</u>	<u>2</u>	<u>129</u>	<u>14.13</u>
Sub Total	207	83	68	1	44	7	410	44.90

ROOM 1 - HOOPER RANCH (Continued)
TEXTURED WARES

	A	B	B	Sub	C	C	Total	
	Fill	Fill	Flr.	Flr.	Fill	Flr.	No.	%
	No.	No.	No.	No.	No.	No.		
Br.PlainCorr.	87	6	---	---	18	2	113	12.37
Br.PlainCorr. Sm. Int.	4	1	---	---	2	---	7	.77
Br. Indented Corr.	211	21	4	---	27	1	264	28.91
Br. Indented Corr.Sm.Int.	14	1	---	---	3	---	18	1.97
GrayPlainCorr.	---	---	---	---	1	---	1	.11
McDonald Corr. Indented	1	---	---	---	3	---	4	.44
Patterned Corr.	---	1	---	---	---	---	1	.11
Tularosa Fillet Rim	---	1	---	---	---	---	1	.11
Indeterminate	3	2	---	---	---	---	5	.55
Br.Plain & IndentCorr.	<u>34</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>1</u>	<u>---</u>	<u>35</u>	<u>3.83</u>
Sub Total	354	33	4	---	55	3	449	49.17

PLAIN WARE

Alma Plain	30	7	2	1	10	1	51	5.58
Indeterminate Red	<u>3</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>3</u>	<u>.33</u>
Sub Total	33	7	2	1	10	1	54	5.91
Grand Total	594	123	74	2	109	11	913	99.99

ROOM 2 (PART 1) - HOOPER RANCH
DECORATED WARE

59

	2 A Fill No.	2 B Fill No.	2 B Flr. No.	2 D Fill No.	Total No. %	
Four Mile Poly.	13	2	---	---	15	1.26
Heshotauthla Poly.	28	10	---	1	39	3.27
Kwakina G/Poly.	11	---	---	---	11	.92
Pinedale B/R	---	2	---	---	2	.17
Pinedale Poly.	6	1	---	---	7	.59
Pinnawa G/W	1	2	---	---	3	.25
Querino Poly.	1	1	---	---	2	.17
Red Mesa B/W	---	---	1	---	1	.08
Reserve B/W	2	3	3	---	8	.67
St. Johns Poly.	6	10	19	---	35	2.93
Springerville Poly.	---	2	1	---	3	.25
Tularosa B/W	39	35	---	16	90	7.54
White Mound B/W	1	---	---	---	1	.08
Wingate B/R	---	4	---	---	4	.34
Indeterminate B/R	14	44	---	---	58	4.86
Indeterminate B/W	5	30	6	---	41	3.44
Indeterminate W/R	2	---	---	---	2	.17
Indeterminate Poly.	2	---	---	1	3	.25
Indeterminate Q/R	28	---	---	---	28	2.35
Indeterminate Painted	<u>44</u>	<u>13</u>	<u>1</u>	<u>12</u>	<u>70</u>	<u>5.87</u>
Sub Total	203	159	31	30	423	35.45

ROOM 2 (PART 1) - HOOPER RANCH (Continued)
TEXTURED WARES

60

	2 A Fill No.	2 B Fill No.	2 B Flr. No.	2 D Fill No.	T o t a l	
					No.	%
Br.PlainCorr.	86	25	5	2	118	9.89
Br.PlainCorr. Sm. Int.	---	2	---	---	2	.17
Br. Indented Corr.	241	160	13	11	425	35.62
Br. Indented Corr.Sm.Int.	14	32	---	---	46	3.85
Gray Plain Corr.	---	1	1	---	2	.17
McDonald Corr. Indented	---	2	---	---	2	.17
Patterned Corr.	---	---	---	1	1	.08
Tularosa Fillet Rim	---	---	---	1	1	.08
Indeterminate	12	11	2	2	27	2.26
Br.Plain & Indet.Corr.	<u>28</u>	<u>4</u>	<u>---</u>	<u>---</u>	<u>32</u>	<u>2.68</u>
Sub Total	381	237	21	17	656	54.97

PLAIN WARE

Alma Plain	36	35	35	2	108	9.05
Indeterminate Red	<u>4</u>	<u>1</u>	<u>---</u>	<u>---</u>	<u>5</u>	<u>.42</u>
Sub Total	40	36	35	2	113	9.47
Grand Total	624	432	87	49	1192	99.88

ROOM 2 (PART 2) - HOOPER RANCH
DECORATED WARE

61

Stratigraphic Columns
Levels 1-5, Floor 2 B

	Sur- face to L 1 No.	L 1 to L 2 No.	L 2 to L 3 No.	L 3 to L 4 No.	L 4 to L 5 No.	L 5 to Flr. 2 B No.	Total	
							No.	%
Heshotauthla Poly.	---	---	---	---	---	1	1	.59
Pinedale B/R	---	---	---	1	---	1	2	1.18
Red Mesa B/W	---	---	---	---	1	---	1	.59
Reserve B/W	---	---	---	---	1	---	1	.59
St. Johns Poly.	---	2	---	3	---	1	6	3.53
Springerville Poly.	---	---	---	---	---	2	2	1.18
Tularosa B/W	---	---	1	1	---	1	3	1.76
Wingate B/R	---	---	1	---	---	---	1	.59
Indeterminate B/R	---	1	---	---	---	2	3	1.76
Indeterminate B/W	---	---	---	7	1	5	13	7.65
Indeterminate W/R	---	1	---	---	---	---	1	.59
Indeterminate Painted	---	---	---	7	1	3	11	6.47
Sub Total	---	4	2	19	4	16	45	26.47

TEXTURED WARES

Br. Plain Corr.	---	6	1	4	1	5	17	10.00
Br. Indented Corr.	2	5	1	36	16	14	74	43.53
Br. Indented Corr. Sm. Int.	---	---	---	3	2	1	6	3.53
McDonald Corr. Indented	---	1	---	---	---	---	1	.59

ROOM 2 (PART 2) - HOOPER RANCH
TEXTURED WARES (Continued)

Stratigraphic Columns Levels 1-5, Floor 2 B							Total	
	Sur- face to L 1 No.	L 1 to L 2 No.	L 2 to L 3 No.	L 3 to L 4 No.	L 4 to L 5 No.	L 5 to Flr. 2 B No.	No.	%
Patterned Corr.	---	---	---	1	---	---	1	.59
Indeterminate	---	---	---	2	1	2	5	2.94
Br. Plain & Indet. Corr.	---	---	---	<u>1</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>2.35</u>
Sub Total	2	12	2	47	21	24	108	63.53
<u>PLAIN WARE</u>								
Alma Plain	---	2	1	3	3	5	14	8.23
Indeterminate Red	---	<u>1</u>	<u>1</u>	---	---	<u>1</u>	<u>3</u>	<u>1.76</u>
Sub Total	---	3	2	3	3	6	17	10.00
Grand Total	2	19	6	69	28	46	170	100.00

ROOM 3 - HOOPER RANCH
DECORATED WARE

	Stratigraphic Columns										Total	
	A Fill No.	A Flr. 1 No.	A Flr. 2 No.	A Sub Flr. 2 No.	A Flr. 3 No.	L 1 No.	L 2 No.	L 3 No.	L 4 No.	L 5 No.		
Four Mile Poly.	22	---	---	---	---	---	---	---	---	---	22	1.23
Heshotauthla Poly.	31	5	---	---	---	---	3	4	---	---	43	2.40
Kwakina G/Poly.	13	---	---	---	---	---	---	---	---	---	13	.72
Pinedale Poly.	7	---	---	---	---	1	1	---	---	---	9	.50
Pinnawa G/W	1	---	---	---	---	---	---	---	---	---	1	.06
Puerco B/W	1	---	---	---	---	---	---	---	---	---	1	.06
Querino Poly.	8	---	---	---	---	---	---	---	---	---	8	.45
Red Mesa B/W	1	---	1	6	2	---	---	---	---	---	10	.56
Reserve B/W	---	1	20	1	10	---	---	---	---	---	32	1.78
St. Johns Poly.	6	---	---	---	---	---	---	---	---	1	7	.39
Snowflake B/W	---	---	1	---	---	---	---	---	---	---	1	.06
Tularosa B/W	125	5	5	---	10	---	5	1	---	8	159	8.86
Indeterminate B/R	20	---	12	---	6	---	3	---	---	4	45	2.51
Indeterminate B/W	64	---	5	6	19	---	---	---	---	2	96	5.35
Indeterminate w/R	8	---	---	---	---	---	---	---	---	---	8	.45
Indeterminate Poly.	9	---	---	---	1	---	---	---	---	---	10	.56
Indeterminate G/R	15	---	---	---	---	---	---	---	---	---	15	.84
Indeterminate Painted	91	4	---	---	---	11	8	8	3	---	125	6.96
Indeterminate Red	<u>23</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>23</u>	<u>1.28</u>
Sub Total	445	15	44	13	48	12	20	13	3	15	628	34.98

ROOM 3 - HOOPER RANCH (Continued)
TEXTURED WARES

	Stratigraphic Columns										Total	
	A					Levels 1-5						
	A	A	A	A	A	L	L	L	L	L	No.	%
	Fill	Flr.	Flr.	Sub	Flr.	1	2	3	4	5		
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
Alma Neck Banded	1	---	---	---	3	---	---	---	---	---	4	.22
Br.PlainCorr.	352	2	21	6	36	3	37	13	6	7	483	26.90
Br.PlainCorr. Sm. Int.	1	---	8	---	2	1	2	3	---	---	17	.95
Br. Indented Corr.	267	2	86	5	11	3	13	10	3	11	411	22.89
Br. Indented Corr.Sm.Int.	13	---	13	---	5	---	2	---	2	1	36	2.01
Gray Indented Corr.	---	---	---	---	---	---	1	---	---	---	1	.06
McDonald Corr. Plain	---	---	3	---	---	---	---	---	---	---	3	.17
McDonald Corr. Indented	1	---	3	---	1	---	---	---	---	---	5	.28
PatternedCorr.	11	---	---	1	2	---	---	---	1	---	15	.84
Indeterminate	8	---	---	---	3	---	---	---	1	---	12	.67
Br.Plain & Indent.Corr.	<u>34</u>	<u>---</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>---</u>	<u>---</u>	<u>1</u>	<u>---</u>	<u>1</u>	<u>40</u>	<u>2.23</u>
Sub Total	688	4	135	13	65	7	55	27	13	20	1027	57.20

PLAIN WARE

Alma Plain	29	---	16	17	56	2	3	2	---	5	130	7.24
Indeterminate	1	---	---	---	---	---	---	---	---	---	1	.06
Indeterminate Red	<u>---</u>	<u>---</u>	<u>4</u>	<u>5</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>9</u>	<u>.50</u>
Sub Total	30	---	20	22	56	2	3	2	---	5	140	7.80

Grand Total 1163 19 199 48 169 21 78 42 16 40 1795 99.59

ROOM 4 - HOOPER RANCH
DECORATED WARE

	A Fill No.	A Flr. No.	A Sub Flr. No.	A Fill Flr. No.	A Fill Flr. No.	Strat. Col. No.	Total	
							No.	%
Chaco B/W	---	---	1	---	---	---	1	.05
Heshotauthla Poly.	6	2	3	---	4	---	15	.80
Kwakina G/Poly.	5	2	1	---	---	---	8	.42
Pinedale B/R	---	---	5	---	132	2	139	7.38
Pinedale Poly.	4	---	2	---	17	1	24	1.27
Pinto Poly.	---	---	1	---	---	---	1	.05
Puerco B/R	---	---	1	---	---	---	1	.05
Querino Poly.	---	---	---	---	50	---	50	2.66
Reserve B/W	1	---	1	---	1	---	3	.16
St. Johns Poly.	---	---	8	---	88	1	97	5.15
Tularosa B/W	9	9	28	18	276	1	341	18.11
Wingate B/R	---	---	7	---	15	---	22	1.17
Indeterminate B/R	13	10	10	---	43	---	76	4.04
Indeterminate B/W	5	3	33	---	83	1	125	6.64
Indeterminate W/R	---	1	1	---	---	---	2	.11
Indeterminate Poly.	1	---	---	---	---	---	1	.05
Indeterminate Painted	5	2	2	---	1	---	10	.53
Indeterminate Cream Colored	---	---	---	---	27	---	27	1.43
Houck Poly.	---	---	---	---	1	---	1	.05
B/R Sherds-Parts & Restorables	---	---	---	---	210	---	210	11.15
Sub Total	49	29	104	18	948	6	1154	61.28

ROOM 4 - HOOPER RANCH (Continued)
TEXTURED WARES

	A Fill No.	A Flr. No.	A Sub Flr. No.	A Fill Flr. No.	A Flr. No.	Strat. Col. No.	T o t a l	
	No.	No.	No.	No.	No.	No.	No.	%
Br.PlainCorr.	11	20	16	---	17	2	66	3.50
Br.PlainCorr. Sm.Int.	2	---	1	---	---	---	3	.16
Br. Indented Corr.	17	11	43	---	403	6	480	25.49
Br. Indented Corr.Sm.Int.	2	1	5	---	60	---	68	3.61
McDonald Corr. Indented	---	---	---	---	4	---	4	.21
Patterned Corr.	---	---	---	---	1	---	1	.05
Indeterminate	1	---	3	---	14	---	18	.96
Brown Plain & Indent.Corr.	---	---	2	---	9	---	11	.58
Sub Total	33	32	70	---	508	8	651	34.57

PLAIN WARE

Alma Plain	5	6	17	---	35	---	63	3.35
Woodruff Smudged	---	---	1	---	---	---	1	.05
Indeterminate Red	---	---	---	---	12	---	12	.64
Sub Total	5	6	18	---	47	---	76	4.04
Grand Total	87	67	192	18	1503	14	1881	99.87

ROOM 5 - HOOPER RANCH
DECORATED WARE

	A	A	A	A	A	A	B	B	B	T o t a l	
	Fill	Flr.	Sub	Sub	Strat.	Col. A	Strat.	Col. B	Fire	No.	%
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	%
Four Mile Poly.	4	---	---	---	---	---	---	---	---	4	.18
Gila B/R	1	---	---	---	---	---	---	---	---	1	.04
Gila Poly.	1	---	---	---	---	---	---	---	---	1	.04
Heshotauthla Poly.	21	1	---	---	3	2	29	---	---	56	2.46
Kwakina G/Poly.	17	---	---	---	---	---	1	2	---	20	.88
Mimbres Bold Face B/W	---	---	---	---	---	---	---	1	---	1	.04
Pinedale B/R	29	---	---	3	---	---	50	5	---	87	3.83
Pinedale Poly.	25	2	---	1	---	---	42	---	---	70	3.08
Pinnawa G/W	1	---	---	---	---	---	---	---	---	1	.04
Puerco B/R	5	---	---	---	---	---	---	---	---	5	.22
Querino Poly.	---	---	---	---	---	---	14	---	---	14	.62
Red Mesa B/W	2	---	---	---	---	---	1	---	---	3	.13
Reserve B/W	3	---	1	---	---	---	10	---	---	14	.62
St. Johns Poly.	11	---	1	2	1	---	56	66	1	138	6.07
Snowflake B/W	---	---	---	---	---	---	6	---	---	6	.26
Springerville Poly.	4	1	---	---	---	---	13	6	---	24	1.06
Tularosa B/W	134	6	---	30	1	1	166	---	---	338	14.93
Wingate B/R	4	1	---	---	1	---	6	---	---	12	.53
Indeterminate B/R	86	2	---	1	2	1	50	99	36	277	12.19
Indeterminate B/W	64	3	1	3	3	3	52	---	---	129	5.68

ROOM 5 - HOOPER RANCH
DECORATED WARE (Continued)

	A										
	A		A		Strat.		B		B		
	Fill	Flr.	Sub	Sub	L 1	Strat.	Fill	Flr.	Fire	Total	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	%
Indeterminate W/R	2	2	---	---	---	---	---	---	---	4	.18
Indeterminate Poly.	3	1	---	---	---	---	5	---	---	9	.40
Indeterminate Painted	5	1	---	---	---	---	10	3	---	19	.84
B/R Show Low	---	---	---	---	---	---	2	---	---	2	.09
Kwakina Int. Querino Ext.	---	---	---	---	---	---	5	2	---	7	.31
Houck Poly.	1	---	---	1	---	---	---	---	---	2	.09
Matsaki G/Poly.	<u>2</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>2</u>	<u>.09</u>
Sub Total	425	17	6	41	11	7	518	184	37	1246	54.82

TEXTURED WARES

Br. Plain Corr.	265	12	---	1	11	5	53	17	---	364	16.02
Br. Plain Corr. Sm. Int.	7	---	---	---	---	---	6	1	---	14	.62
Br. Indented Corr. Sm. Int.	9	---	---	1	---	---	15	4	---	29	1.28
Br. Indented Corr.	178	17	---	4	9	5	167	30	---	410	18.04
Gray Indented Corr.	1	---	---	---	---	---	---	---	---	1	.04
McDonald Corr. Indented	2	---	---	---	---	---	---	1	---	3	.13
Patterned Corr.	4	---	---	---	---	---	1	3	---	8	.35
Tularosa Fillet Rim	---	---	---	1	---	---	---	---	---	1	.04

ROOM 5 - HOOPER RANCH
TEXTURED WARES (Continued)

	A Fill No.	A Flr. No.	A Sub Flr. No.	A Sub Flr. No.	A Strat. L 1 & L 3 No.	A Strat. Col. A L 2 No.	B Fill No.	B Flr. No.	B Fire Pit No.	T o t a l No.	%
Indeterminate	8	---	---	1	2	---	8	8	---	27	1.19
Br. Plain & Indent. Corr.	---	---	---	1	2	---	11	12	---	26	1.14
Sub Total	474	29	---	9	24	10	261	76	---	883	38.85

PLAIN WARE

Alma Plain	28	3	---	1	3	---	34	18	---	87	3.83
Indeterminate	---	1	---	---	---	---	---	---	---	1	.04
Indeterminate Red	<u>33</u>	<u>3</u>	---	---	<u>5</u>	---	<u>14</u>	---	---	<u>55</u>	<u>2.42</u>
Sub Total	61	7	---	1	8	---	48	18	---	143	6.29
Grand Total	960	53	6	51	43	17	827	278	37	2272	99.99

ROOM 6 - HOOPER RANCH
DECORATED WARE

	A Fill No.	A Flr. No.	B Fill No.	B Flr. No.	B Flr. NW Quad. No.	Total No.	%
Heshotauthla Poly.	2	2	6	---	---	10	.97
Kwakina G/Poly.	2	---	---	---	---	2	.19
Kiatuthlanna B/W	---	---	---	1	---	1	.10
Pinedale B/R	---	---	43	5	---	48	4.65
Pinedale Poly.	3	2	13	---	---	18	1.74
Querino Poly.	---	---	3	1	---	4	.39
Red Mesa B/W	---	---	1	---	---	1	.10
Reserve B/W	---	2	10	---	1	13	1.26
St. Johns Poly.	4	---	26	4	---	34	3.29
Snowflake B/W	---	---	3	2	---	5	.48
Tularosa B/W	29	1	71	20	6	127	12.30
Tularosa W/R	---	---	1	---	---	1	.10
Wingate B/R	---	---	16	8	---	24	2.32
Indeterminate B/R	31	9	25	2	3	70	6.78
Indeterminate B/W	9	2	22	5	3	41	3.97
Indeterminate Poly.	1	2	2	---	---	5	.48
Roosevelt B/W	---	---	1	---	---	1	.10
Ind. Painted	---	---	2	---	---	2	.19
Sub Total	81	20	245	48	13	407	39.40

ROOM 6 - HOOPER RANCH (Continued)
TEXTURED WARES

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	A	A	B	B	B		
	Fill	Flr.	Fill	Flr.	Flr.		
	No.	No.	No.	No.	NW		
	No.	No.	No.	No.	Quad.		
	No.	No.	No.	No.	No.	Total	%
Br.PlainCorr.	35	10	66	34	---	145	14.04
Br.PlainCorr. Sm. Int.	---	3	1	---	---	4	.39
Br. Indented Corr.	55	7	256	13	3	334	32.33
Br. Indented Corr.Sm.Int.	1	2	30	4	2	39	3.78
Gray Plain Corr.	---	---	1	---	---	1	.10
Gray Indented Corr.	1	---	---	---	---	1	.10
McDonald Corr. Indented	---	---	2	---	1	3	.29
Patterned Corr.	---	6	5	---	---	11	1.06
Indeterminate	2	1	6	1	---	10	.97
Br. Plain & Indent. Corr.	<u>4</u>	<u>---</u>	<u>14</u>	<u>---</u>	<u>---</u>	<u>18</u>	<u>1.74</u>
Sub Total	98	29	381	52	6	566	54.79

PLAIN WARE

Alma Plain	11	5	18	5	2	41	3.97
San Francisco Red	---	---	1	---	---	1	.10
Indeterminate Red	<u>4</u>	<u>4</u>	<u>4</u>	<u>5</u>	<u>---</u>	<u>17</u>	<u>1.65</u>
Sub Total	15	9	23	10	2	59	5.71

Grand Total 194 58 649 110 21 1032 99.93

ROOM 7 - HOOPER RANCH
DECORATED WARE

	A Fill No.	Wall Be- tween Rm 7A & Rm 3A No.	A Flr. 1 No.	A Sub Flr. 1 No.	T o t a l No.	%
Chaco B/W	2	---	---	---	2	.25
Heshotauthla Poly.	53	---	8	---	61	7.74
Jeddito B/Y	1	---	---	---	1	.13
Kwakina G/Poly.	3	---	---	---	3	.38
Pinedale B/R	10	---	---	---	10	1.27
Pinedale Poly.	11	---	---	1	12	1.52
Puerco B/R	3	---	---	---	3	.38
Querino Poly.	2	---	---	---	2	.25
Reserve B/W	4	---	1	---	5	.63
St. Johns Poly.	---	---	1	---	1	.13
Tularosa B/W	43	---	12	4	59	7.48
Wingate B/R	4	2	---	---	6	.76
Indeterminate B/R	15	1	7	---	23	2.92
Indeterminate B/W	24	12	---	---	36	4.57
Indeterminate W/R	3	---	---	---	3	.38
Indeterminate Poly.	6	---	---	---	6	.76
Indeterminate Painted	32	2	6	---	40	5.08
Houck Poly.	1	---	---	---	1	.13
Show Low B/R	6	---	---	---	6	.76
Roosevelt B/W	1	---	---	---	1	.13

ROOM 7 - HOOPER RANCH
DECORATED WARE (Continued)

	A Fill No.	Wall Be- tween Rm 7A & Rm 3A No.	A Flr. No.	A Sub Flr. 1 No.	T o t a l	
	No.	No.	No.	No.	No.	%
Matsaki						
G/Poly.	<u>1</u>	---	---	---	<u>1</u>	<u>.13</u>
Sub total	225	17	35	5	282	35.79

TEXTURED WARES

Br.PlainCorr.	205	---	7	5	217	27.54
Br.PlainCorr. Sm. Int.	10	---	1	---	11	1.40
Br. Indented Corr.	171	9	6	5	191	24.24
Br. Indented Corr.Sm.Int.	9	---	2	---	11	1.40
Patterned Corr.	7	---	---	1	8	1.02
Indeterminate	5	---	1	---	6	.76
Br.Plain & Indent.Corr.	<u>25</u>	---	<u>1</u>	---	<u>26</u>	<u>3.30</u>
Sub Total	432	9	18	11	470	59.64

PLAIN WARE

Alma Plain	16	---	12	1	29	3.68
Indeterminate Red	<u>7</u>	---	---	---	<u>7</u>	<u>.89</u>
Sub Total	23	---	12	1	36	4.57
Grand Total	680	26	65	17	788	100.01

ROOM 8 - HOOPER RANCH
DECORATED WARE

	A Fill No.	A Flr. No.	Total	
			No.	%
Chaco B/W	5	4	9	3.52
Heshotauthla Poly.	5	8	13	5.08
Kwakina G/Poly.	1	3	4	1.56
Pinedale B/R	5	1	6	2.34
Pinedale Poly.	5	4	9	3.52
Puerco B/R	---	1	1	.39
Querino Poly.	---	1	1	.39
Reserve B/W	1	---	1	.39
St. Johns Poly.	2	1	3	1.17
Tularosa B/W	2	17	19	7.42
Wingate B/R	2	3	5	1.95
Indeterminate B/R	6	17	23	8.98
Indeterminate B/W	8	11	19	7.42
Indeterminate Poly.	---	1	1	.39
Indeterminate Painted	1	3	4	1.56
Show Low B/R	<u>2</u>	<u>---</u>	<u>2</u>	<u>.78</u>
Sub Total	45	75	120	46.87

TEXTURED WARES

Br. Plain Corr.	13	25	38	14.84
Br. Indented Corr.	20	21	41	16.01
Br. Indented Corr. Sm. Int.	---	2	2	.78

ROOM 8 - HOOPER RANCH
TEXTURED WARES (Continued)

	A Fill No.	A Flr. No.	Total	
			No.	%
Indeterminate	1	2	3	1.17
Br. Plain & Indent. Corr.	<u>4</u>	<u>4</u>	<u>8</u>	<u>3.12</u>
Sub Total	38	54	92	35.94

PLAIN WARE

Alma Plain	13	7	20	7.81
Indeterminate Red	<u>19</u>	<u>5</u>	<u>24</u>	<u>9.37</u>
Sub Total	32	12	44	17.19
Grand Total	115	141	256	99.96

ROOM 9 - HOOPER RANCH
DECORATED WARE

	A Fill 1 No.	A Flr. 1 No.	A Fill 2 No.	A Flr. 2 No.	Total No. %	
Four Mile Poly.	---	---	1	---	1	.11
Heshotauthla Poly.	13	4	17	2	36	3.83
Kwakina G/Poly.	---	---	1	---	1	.11
Pinedale B/R	6	1	---	---	7	.74
Pinedale Poly.	2	4	2	---	8	.85
Puerco B/R	1	---	---	---	1	.11
Red Mesa B/W	1	---	---	2	3	.32
Reserve B/W	1	---	---	1	2	.21
St. Johns Poly.	7	2	4	4	17	1.81
Snowflake B/W	1	---	---	---	1	.11
Springerville Poly.	---	1	1	---	2	.21
Tularosa B/W	25	18	8	29	80	8.50
Wingate B/R	1	---	---	---	1	.11
Indeterminate B/R	15	6	18	6	45	4.78
Indeterminate B/W	18	10	17	4	49	5.21
Indeterminate Poly.	1	---	---	---	1	.11
Indeterminate Painted	<u>8</u>	<u>---</u>	<u>2</u>	<u>---</u>	<u>10</u>	<u>1.06</u>
Sub Total	100	46	71	48	265	28.17

TEXTURED WARES

Alma Neck Banded	---	---	---	1	1	.11
Br. Plain Corr.	34	10	20	5	69	7.33

ROOM 9 - HOOPER RANCH
TEXTURED WARES (Continued)

	A Fill 1 No.	A Flr. 1 No.	A Fill 2 No.	A Flr. 2 No.	Total No. %	
Br. Plain Corr. Sm. Int.	4	2	1	1	8	.85
Br. Indented Corr.	36	19	351	2	408	43.37
Br. Indented Corr. Sm. Int.	1	5	7	115	128	13.61
McDonald Corr. Indented	---	---	1	1	2	.21
Punched Corr.	---	1	---	---	1	.11
Indeterminate	---	---	---	2	2	.21
Br. Plain & Indent. Corr.	3	4	1	---	8	.85
Br. Plain & Sm. Int.	---	---	---	2	2	.21
Sub Total	78	41	381	129	629	66.86

PLAIN WARE

Alma Plain	22	3	4	12	41	4.36
Woodruff Smudged	---	---	1	2	3	.32
Red Ware	---	---	---	2	2	.21
Sub Total	22	3	5	16	46	4.89
Grand Total	200	90	457	193	940	99.93

ROOM 10 - HOOPER RANCH
DECORATED WARE

	A Fill No.	A Bin in SE Cor- ner No.	A Flr. 1 No.	A Flr. 2 No.	T o t a l	
	No.	No.	No.	No.	No.	%
Four Mile Poly.	1	1	1	1	4	.87
Gila Poly.	1	---	---	---	1	.22
Heshotauthla Poly.	4	---	---	---	4	.87
Jeddito B/O	1	---	---	---	1	.22
Jeddito B/Y	2	---	---	---	2	.44
Kwakina G/Poly.	---	---	2	2	4	.87
Pinedale B/R	6	---	2	15	23	5.02
Pinedale Poly.	6	---	4	16	26	5.68
Querino Poly.	1	---	---	---	1	.22
Red Mesa B/W	---	---	1	---	1	.22
Reserve B/W	2	---	---	---	2	.44
St. Johns Poly.	1	---	1	9	11	2.40
Springerville Poly.	---	---	---	1	1	.22
Tonto Poly.	2	---	---	---	2	.44
Tularosa B/W	29	1	7	20	57	12.44
White Mound B/W	1	---	---	---	1	.22
Wingate B/R	2	---	1	---	3	.65
Indeterminate B/R	18	1	10	19	48	10.48
Indeterminate B/W	6	---	3	1	10	2.18

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ROOM 10 - HOOPER RANCH
DECORATED WARE (Continued)

	A Fill No.	A Bin in SE Cor- ner No.	A Flr. 1 No.	A Flr. 2 No.	Total No.	Total %
Indeterminate W/R	---	---	---	2	2	.44
Indeterminate Poly.	2	1	1	1	5	1.09
Painted	<u>1</u>	<u>5</u>	<u>---</u>	<u>10</u>	<u>16</u>	<u>3.49</u>
Sub Total	86	9	33	97	225	49.12

TEXTURED WARES

Br.PlainCorr.	25	2	39	7	73	15.94
Br. Indented Corr.	27	2	27	45	101	22.05
Br. Indented Corr.Sm.Int.	---	---	---	5	5	1.09
Gray Plain Corr.	3	---	---	---	3	.65
McDonald Corr. Indented	---	---	---	1	1	.22
Indeterminate	2	1	2	---	5	1.09
Br.Plain & Indent. Corr.	<u>3</u>	<u>---</u>	<u>3</u>	<u>---</u>	<u>6</u>	<u>1.31</u>
Sub Total	60	5	71	58	194	42.35

PLAIN WARE

Alma Plain	18	---	8	4	30	6.55
Indeterminate Red	<u>2</u>	<u>---</u>	<u>7</u>	<u>---</u>	<u>9</u>	<u>1.96</u>
Sub Total	20	---	15	4	39	8.51

Grand Total	166	14	119	159	458	99.98
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ROOM 11 - HOOPER RANCH
DECORATED WARE

	A Trench No.	Trench Out- side Wall No.	Total	
			No.	%
St. Johns Poly.	1	2	3	15.00
Indeterminate B/R	2	4	6	30.00
Indeterminate B/W	---	<u>2</u>	<u>2</u>	<u>10.00</u>
Sub Total	3	8	11	55.00

TEXTURED WARES

Br. Plain Corr.	---	1	1	5.00
Br. Plain Corr. Sm. Int.	---	1	1	5.00
Br. Indented Corr.	2	2	4	20.00
Gray Plain Corr.	---	<u>1</u>	<u>1</u>	<u>5.00</u>
Sub Total	2	5	7	35.00

PLAIN WARE

Alma Plain	---	<u>2</u>	<u>2</u>	<u>10.00</u>
Sub Total	---	2	2	10.00
Grand Total	5	15	20	100.00

ROOM 12 - HOOPER RANCH
DECORATED WARE

	A Fill No.	A Flr. No.	B Fill No.	Total No. %	
Four Mile Poly.---		1	1	2	.63
Heshotauthla Poly. ---		4	6	10	3.16
Kwakina G/Poly. ---		1	---	1	.32
Pinedale B/R 2		1	---	3	.95
Pinedale Poly. 1		2	5	8	2.53
Querino Poly. ---		1	---	1	.32
Reserve B/W ---		1	---	1	.32
St. Johns Poly. 2		3	1	6	1.90
Tularosa B/W 4		14	20	38	12.02
Indeterminate B/R ---		21	4	25	7.91
Indeterminate B/W 1		10	14	25	7.91
Indeterminate W/R ---		1	1	2	.63
Indeterminate Poly. ---		1	---	1	.32
Indeterminate Painted 1		3	4	8	2.53
Show Low B/R 1		---	2	3	.95
Sub Total 12		64	58	134	42.40

TEXTURED WARES

Br. Plain Corr. 7	3	2	12	3.80
Br. Plain Corr. Sm. Int. 1	2	---	3	.95
Br. Indented Corr. 7	28	4	39	12.34

ROOM 12 - HOOVER RANCH
TEXTURED WARES (Continued)

	A Fill No.	A Flr. No.	B Fill No.	Total No.	%
Br. Indented Corr.Sm.Int.	3	2	92	97	30.70
Indeterminate	2	---	---	2	.63
Br.Plain & Indent.Corr.	2	2	1	5	1.58
Br.Plain & Indent.Sm.Int.---	---	---	1	1	.32
Kana-n NK.Bd.	---	---	1	1	.32
Sub Total	22	37	101	160	50.62

PLAIN WARE

Alma Plain	6	2	6	14	4.43
Indeterminate Red	---	4	4	8	2.53
Sub Total	6	6	10	22	6.96
Grand Total	40	107	169	316	100.00

ROOM 13 - HOOPER RANCH
DECORATED WARE

	A Fill No.	A Flr. No.	T o t a l	
			No.	%
Heshotauthla Poly.	---	3	3	2.34
Kwakina G/Poly.	---	1	1	.78
Pinedale B/R	2	2	4	3.12
Pinedale Poly.	1	---	1	.78
Red Mesa B/W	3	2	5	3.91
Springerville Poly.	1	---	1	.78
Tularosa B/W	13	5	18	14.06
Indeterminate B/R	1	8	9	7.03
Indeterminate B/W	2	8	10	7.81
Indeterminate Painted	<u>3</u>	<u>1</u>	<u>4</u>	<u>3.12</u>
Sub Total	26	30	56	43.75

TEXTURED WARES

Br.PlainCorr.	5	22	27	21.09
Br.PlainCorr. Sm. Int.	---	3	3	2.34
Br. Indented Corr.	8	19	27	21.09
Br. Indented Corr.Sm.Int.	6	1	7	5.47
McDonald Corr. Indented	---	1	1	.78
Patterned Corr.	<u>---</u>	<u>2</u>	<u>2</u>	<u>1.56</u>
Sub Total	19	48	67	52.34

ROOM 13 - HOOPER RANCH (Continued)
PLAIN WARE

	A Fill No.	A Flr. No.	T o t a l	
			No.	%
Alma Plain	<u>2</u>	<u>3</u>	<u>5</u>	<u>3.91</u>
Sub Total	2	3	5	3.91
Grand Total	47	81	128	99.97

ROOM 14 - HOOPER RANCH
DECORATED WARE

	A Trench No.	Total No.	%
Four Mile Poly.	1	1	2.50
Heshotauthla Poly.	2	2	5.00
Kwakina G/Poly.	1	1	2.50
Pinedale B/R	9	9	22.50
Pinedale Poly.	1	1	2.50
Indeterminate B/R	1	1	2.50
Indeterminate B/W	<u>1</u>	<u>1</u>	<u>2.50</u>
Sub Total	16	16	40.00

TEXTURED WARES

Br. Plain Corr.	7	7	17.50
Br. Indented Corr.	11	11	27.50
Br. Indented Corr. Sm. Int.	1	1	2.50
Indeterminate	<u>1</u>	<u>1</u>	<u>2.50</u>
Sub Total	20	20	50.00

PLAIN WARE

Alma Plain	<u>4</u>	<u>4</u>	<u>10.00</u>
Sub Total	4	4	10.00

Grand Total 40

40 100.00

DECORATED WARE

	A Trench No.	Total No.	Total £
Heshotauthla Poly.	2	2	2.82
Kwakina G/Poly..	1	1	1.41
Pinedale Poly.	3	3	4.23
St. Johns Poly.	2	2	2.82
Springerville Poly.	1	1	1.41
Tularosa B/W	5	5	7.04
Indeterminate B/R	21	21	29.58
Indeterminate B/W	5	5	7.04
Indeterminate Poly.	1	1	1.41
Indeterminate Painted	<u>3</u>	<u>3</u>	<u>4.23</u>
Sub Total	44	44	61.97

TEXTURED WARES

Br. Plain Corr.	9	9	12.68
Br. Indented Corr.	13	13	18.31
Br. Plain & Indent.	<u>1</u>	<u>1</u>	<u>1.41</u>
Sub Total	23	23	32.39

PLAIN WARE

Alma Plain	2	2	2.82
Woodruff			
Smudged	<u>2</u>	<u>2</u>	<u>2.82</u>
Sub Total	4	4	5.63
Grand Total	71	71	100.03

ROOM 16 - HOOPER RANCH
DECORATED WARE

	A Trench No.	Total No. \$
Pinedale		
Poly.	1	1 3.33
Tularosa B/w	5	5 16.67
Indeterminate B/R	2	2 6.67
Indeterminate B/W	3	3 10.00
Indeterminate Poly.	<u>1</u>	<u>1 3.33</u>
Sub Total	12	12 40.00

TEXTURED WARES

Br. Plain Corr.	14	14 46.67
Br. Indented Corr.	2	2 6.67
Br. Indented Corr. Sm. Int.	<u>1</u>	<u>1 3.33</u>
Sub Total	17	17 56.67

PLAIN WARE

Alma Plain	<u>1</u>	<u>1 3.33</u>
Sub Total	1	1 3.33
Grand Total	30	30 100.00

KIVA I - HOOPER RANCH
DECORATED WARE

	Fill No.	Flr. 1 No.	Flr. 2 No.	Total No.	%
Four Mile Poly.	10	3	---	13	1.33
Gila Poly.	---	3	---	3	.31
Heshotauthla Poly.	19	9	---	28	2.86
Kwakina G/Poly.	19	7	---	26	2.65
Kiatuthlanna B/W	---	2	---	2	.20
Pinedale B/R	24	---	---	24	2.45
Pinedale Poly.	15	13	---	28	2.86
Pinnawa G/W	2	---	---	2	.20
Querino Poly.	1	---	---	1	.10
Reserve B/W	4	5	---	9	.92
St. Johns Poly.	18	9	---	27	2.75
Snowflake B/W	1	1	---	2	.20
Springerville Poly.	2	2	---	4	.41
Tularosa B/W	58	58	12	128	13.06
Wingate B/R	2	---	---	2	.20
Indeterminate B/R	78	51	---	129	13.16
Indeterminate B/W	30	21	---	51	5.20
Indeterminate W/R	3	1	---	4	.41
Indeterminate Poly.	5	5	---	10	1.02
Indeterminate Painted	31	6	---	37	3.77

KIVA I - HOOPER RANCH
DECORATED WARE (Continued)

	Fill No.	Flr. 1 No.	Flr. 2 No.	Total No. %	
Matsaki Poly.	1	---	---	1	.10
4 Mile Ext. Kwakina Int.	2	---	---	2	.20
Show Low B/R	---	1	---	1	.10
Sub Total	325	197	12	534	54.47

TEXTURED WARES

Alma Neck Banded	1	1	---	2	.20
Br. Plain Corr.	68	31	6	105	10.71
Br. Plain Corr. Sm. Int.	4	10	1	15	1.53
Br. Indented Corr.	83	59	18	160	16.32
Br. Indented Corr. Sm. Int.	17	23	9	49	5.00
McDonald Corr. Indented	1	---	---	1	.10
Patterned Corr.	1	---	---	1	.10
Indeterminate	3	2	4	9	.92
Plain & Indent. Corr.	5	3	2	10	1.02
Sub Total	183	129	40	352	35.90

PLAIN WARE

Alma Plain	26	24	9	59	6.02
Woodruff Smudged	2	---	---	2	.20
Indeterminate Red	12	18	3	33	3.37
Sub Total	40	42	12	94	9.59
Grand Total	548	368	64	980	99.95

TRENCH A. SQ. A1 - HOOPER RANCH
DECORATED WARE

	Level 1 No.	Level 2 No.	Level 3 No.	Total	
				No.	%
Tularosa B/W	7	---	8	15	16.48
Indeterminate Poly.	---	---	2	2	2.20
Sub Total	7	---	10	17	18.68

TEXTURED WARES

Br. Plain Corr.	6	9	2	17	18.68
Br. Plain Corr. Sm. Int.	4	3	---	7	7.69
Br. Indented Corr.	4	17	6	27	29.67
Br. Indented Corr. Sm. Int.	4	7	3	14	15.38
Tularosa Fillet Rim	1	---	---	1	1.10
Indeterminate	1	2	4	7	7.69
Sub Total	20	38	15	73	80.22

PLAIN WARE

Alma Plain	---	---	1	1	1.10
Sub Total	---	---	1	1	1.10
Grand Total	27	38	26	91	99.97

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-1

Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14 Twp. 13N Range 28E

Type: Probably small rectangular pueblo-- 3 to 6 rooms.

General Setting: Located on a sandy flat surrounded by low rounded hills. The site lies one quarter mile north of the Little Colorado River; other water supply not located. It is possible that a spring(s) was running in the hills. The extent of the site is small; the area on which the pottery was found was approximately 50 feet by 20 feet. The present cover is sparse grass.

Area: St. Johns ("Blue Clay Hills") Drainage: Little Colorado River

Water Supply: Little Colorado River plus possible springs

No. of Rooms or Houses: 3 to 6 rooms (Very little evidence on the surface to indicate the structural plan of this site. This is probably due to the use of building materials by other groups in the area--borrowing materials from abandoned houses to construct the newer ones.

Pottery Group: IV

Artifacts: 1 pottery scraper, and 1 chopping tool--fine grained basalt with a sinuous edge.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No: LS-2

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9 Twp. 13N Range 28E

Type: "Sherd Area"--probable pit houses

General Setting: Located 2.5 miles north of St. Johns on a sandy flat surrounded by low rounded hills. The Little Colorado River flows three quarters of a mile southwest of the site. Cover is sparse grass. The extent of pottery on the surface is limited to an area approximately 30 yds. square.

Area: St. Johns ("Blue Clay Hills")

Drainage: Little Colorado River

Water Supply: Little Colorado River plus possible springs in the nearby hills

No. of Rooms or Houses: ? -- Impossible to tell from surface indications.

Pottery Group: II

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-3

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10 Twp. 13N Range 28E

Type: probable pit houses ("Sherd Area")

General Setting: Located on a sandy flat surrounded by low rounded hills approximately three quarters of a mile north of the Little Colorado River. Cover is sparse grass. Pottery was found in an area 75 feet by 210 feet.

Area: St. Johns ("Blue Clay Hills")

Drainage: Little Colorado
River

Water Supply: Little Colorado River plus possible springs in hills

No. of Rooms or Houses: ? -- Impossible to tell from surface indications.

Pottery Group: III

Artifacts: none

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CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-4

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10 Twp. 13N Range 28E

Type: small rectangular pueblo

General Setting: Located on a sandy flat just south of LS-3.

It is surrounded by low rounded hills. The site lies approximately one mile northeast of the Little Colorado River.

Cover is sparse grass.

Area: St. Johns ("Blue Clay Hills")

Drainage: Little Colorado
River

Water Supply: Little Colorado River plus possible springs in hills

No. of Rooms or Houses: 5 - 8 rooms

Pottery Group: III

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-5

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 11 Twp. 13N Range 28E

Type: "Sherd Area" -- probable pit houses

General Setting: Located on a sandy flat surrounded by low rounded hills. Pottery appears from a sandy blow-out. The site is located approximately one mile northeast of the Little Colorado River. Cover is sparse grass. Pottery appears in an area 60 feet by 90 feet.

Area: St. Johns ("Blue Clay Hills") Drainage: Little Colorado River

Water Supply: Little Colorado River and possible springs in hills

No. of Rooms or Houses: ? -- No surface indications of structure were found.

Pottery Group: II

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-6

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 22 Twp. 13N Range 28E

Type: Probable small rectangular pueblo

General Setting: Located on the west side of a small dry wash.
The site is on the top of a small sandy hill covered with
sparse grass. It is one half mile north of St. Johns.
Extent of site is 25 feet by 35 feet.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Arroyo

No. of Rooms or Houses: No room patterns were located. Judging
from the size of the site there are 5 to 8 rooms.

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-7

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 21 Twp. 13N Range 28E

Type: probably small rectangular pueblo

General Setting: Located on the west side of a wash running north into the Little Colorado River. Site is heavily covered with low brush and Juniper. The ground is flat and sandy. The extent of the site is 60 feet by 120 feet. The site consists of pottery and scattered rock.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: ? -- surface indications of structure are lacking.

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-8

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26 Twp. 13N Range 28E

Type: probably small rectangular pueblo

General Setting: Pottery occurs on a small sandy knoll covered with sparse bunch grass. LS-8 is located just 0.3 miles northwest of LS-9. It lies approximately one half mile north of the Little Colorado River. The extent of the site is 20 feet by 30 feet.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: Impossible to determine from surface indications.

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-9

Location: Center of NE $\frac{1}{4}$ Section 35 Twp. 13N Range 28E

Type: small rectangular pueblo

General Setting: Located on a small, low hill just south of the Salt Lake Road one mile east of the Little Colorado Bridge on the eastern side of St. Johns. The site is also one mile north of the Little Colorado River. Hill is sandy with a sparse cover of grass. The approximate extent of the site is 85 feet by 70 feet.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: The ruin was bulldozed and therefore it was impossible to determine the number of rooms.

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-10

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 31 Twp. 13N Range 29E

Type: Rectangular pueblo

General Setting: Located on a small point of land overlooking a wash. It is a sandy area covered with sparse Juniper and grass. The site is located 3 miles northeast of the Little Colorado River. It is just 90 feet west of LS-11. The extent of the site is 66 feet by 40 feet.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 15 to 20 rooms

Pottery Group: IV and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-11

Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 31 Twp. 13N Range 29E

Type: rectangular pueblo

General Setting: Site is located on a small hill surrounded by other such hills. A wash runs at the base of the hill upon which the site is situated. Present cover is sparse Juniper and grass. Local people report springs in the wash in relatively recent time. The site is located south of the Salt Lake Road east of St. Johns approximately one mile from the Little Colorado River. The site consists of three structures: one 30 feet by 75 feet, another 15 feet square, and one 45 feet by 18 feet. In addition there is a circular structure 20 feet in diameter, possibly a kiva. Building material is sandstone slab. The site has been bulldozed in part.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo plus springs located in the arroyo

No. of Rooms or Houses: 20 to 25 rooms

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-12

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30 Twp. 13N Range 29E

Type: pueblo -- "Half Moon" shape

General Setting: Located on a flat-topped hill overlooking Kern's Wash. Cover is sparse Juniper and grass. Local people report springs in the wash in relatively recent time. The ruin is a curved structure in the shape of a semi-circle. It is 72 feet long measured on the inside face of the curve and 18 feet wide. It has a square structure, 15 feet by 15 feet, located 40 feet east. No pit houses associated with this site were found.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Kern's Wash and springs

No. of Rooms or Houses: 20 to 25 rooms

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quar. (1:250,000)

Site No. LS-13

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 36 Twp. 13N Range 28E

Type: rectangular pueblo

General Setting: Located on a knob-hill overlooking Kern's Wash. Site is sandy and is sparsely covered with low brush and Juniper. Debris forms a mound 5 to 6 feet above the ground's surface. Size of the ruin is 120 feet by 175 feet.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Kern's Wash and springs

No. of Rooms or Houses: approximately 100 rooms (two stories)

Pottery Group: III, IV, and V

Artifacts: none

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CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-14

Location: north portion of Section 1 Twp. 12N Range 28E
west boundary of the SW $\frac{1}{4}$

Type: rectangular pueblo

General Setting: Located on a point on top of a small hill one mile east of the Little Colorado River and one mile south of Kern's Wash. Probable springs in the area but were unlocated. Cover is sparse Juniper and grass. Slab masonry pueblo is approximately 100 feet by 55 feet with a rectangular kiva, 15 feet by 10 feet. Debris forms a mound about six feet high, indicating two stories.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: 60 to 70 rooms

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1: 250,000)

Site No. LS-15

Location: center west side of SW $\frac{1}{4}$ Section 1 Twp. 12N Range 28E

Type: rectangular pueblo

General Setting: Located on a small hill on a point of land jutting into the Little Colorado River Valley. It lies one mile east of the river and one mile either north or south of washes. Possible springs in the area but were not found. Size of the ruin is 24 feet by 18 feet. It is about 50 yards south of LS-14. What looks like a circular Great Kiva is located approximately 20 yards southeast of this site. Its diameter is about 35 feet.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: 12 to 15 rooms

Pottery Group: IV and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-16

Location: NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 13 Twp. 13N Range 28E

Type: pre-pottery

General Setting: Located on a flat, low knob. Area is quite sandy. Present cover is sparse Juniper and bushes. For the most part the site is open. It is located one half mile southeast of the Chavez Ranch--one half mile south of the Little Colorado River and one quarter mile east of a wash. Fairly extensive area of chippings and artifacts exposed in the sand by the wind. Approximate area of site is 20 yards by 40 yards.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: none

Group I (pre-pottery)

Artifacts: 5 scrapers, 5 core tools (cutting tools or scrapers),
1 chopping tool.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-17

Location: Center of Section 17 Twp. 12N Range 28E

Type: "L" shaped pueblo

General Setting: Located on a small hill overlooking a wash (south side) draining into the Little Colorado River (one half mile southeast). The site lies 150 yards east of highway 666 four and eight tenths miles south of St. Johns. Cover is grass. Just 23 feet north of the ruin is a rectangular outline of rocks indicating a structure, but no pottery was found here. It is very possible that this represents an early Mexican structure and is not associated with the "L" shaped pueblo.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 6 to 8 rooms

Pottery Group: IV and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-18

Location: center Section 8 Twp. 11N 28E

Type: pre-pottery

General Setting: Located south of St. Johns on Highway 666 just 150 yards east on the Lyman Reservoir road. Site is extensive. Artifacts and chippings appear as a result of wind erosion in a sandy area sparsely covered with Juniper. It is located near a small wash. Site lies on gently sloping land from north to south. A basin-shaped metate was noted on the site.

Area: St. Johns-Lyman Dam

Drainage: Little
Colorado River

No. Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 1 chopping tool, 31 scrapers, and 1 cutting tool.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-19

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 8 Twp. 11N Range 28E

Type: pre-pottery

General Setting: Located on a small hill on the west side of the Little Colorado River (river is $\frac{1}{4}$ mile away). Area is quite sandy; present cover is sparse Juniper and grass.

Area: St. Johns -- Lyman Dam

Drainage: Little Colorado River

Water Supply: Little Colorado River

No. of Rooms or Houses: none

Group I (pre-pottery)

Artifacts: 31 scrapers, 2 cutting tools, 1 projectile point fragment, and 3 chopping tools.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-20

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 9 Twp. 11N Range 28E

Type: small pueblo

General Setting: Located on the top of a small Butte. Only one room shows from surface indications. Entrance is on the west side of the room. Top surface of the Butte is approximately 45 feet by 60 feet. The room is located just north of the center of the flat surface of the top. It overlooks the Little Colorado River roughly one mile northwest of the Lyman Dam.

Area: St. Johns - Lyman Dam

Drainage: Little Colorado
River

Water Supply: Little Colorado River plus possible springs

No. of Rooms or Houses: one room

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-21 .

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 22 Twp. 11N Range 28E

Type: pre-pottery

General Setting: Located on a small hill approximately one mile west of the Little Colorado River. The area is quite sandy and is presently covered with sparse Juniper and grass. The artifacts are exposed by wind. No immediate water supply could be located, but there is the possibility of springs in the area which are now dry.

Area: St. Johns--Lyman Dam

Drainage: Little
Colorado River

Water Supply: ? -- probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 14 scrapers, 1 chopping tool, 2 knives

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-22

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 8 Twp. 12N Range 28E

Type: pre-pottery

General Setting: Located on a flat upland area of sandstone. The site is situated just east of highway 666 four miles south of St. Johns. It is 1.5 miles north of the Little Colorado River and is one half mile east of a wash. Present cover is grass and sparse Juniper.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo plus possible springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 1 fragment of triangular projectile point, 3 chopping tools, 7 random flake knives, 8 scrapers, 4 cutting or chopping tools

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-23

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10 Twp. 11N Range 29E

Type: rectangular pueblo

General Setting: Located on a small knob-hill on a point of land leading out into the present Lyman Dam Reservoir. It lies approximately 100 yards south-southwest of LS-24. The site is sandy and sparsely covered by brush and Juniper. The actual size of the pueblo is 59 feet by 49 feet. Two circular structures, both 10 feet in diameter, and a nine foot square structure are on the east side of the pueblo. Little surface pottery was noted. There are running springs at LS-24, just 100 yards away.

Area: St. Johns -- Lyman Dam

Drainage: Little Colorado River

Water Supply: springs

No. of Rooms or Houses: 45-60 rooms

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-24

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10 Twp. 11N Range 29E

Type: rectangular pueblo

General Setting: Located on a point of land jutting into the present Lyman Dam Reservoir. The site lies at the extreme end of the point which at one time jugged into the valley of the Little Colorado River. The site lies approximately eight feet above the water level of the reservoir (June, 1959). The site consists of a rectangular pueblo, 180 feet by 70 feet and a Kiva, 12 feet by 20 feet. The area is sandy, sparsely covered with brush and tumble weed with a few juniper trees. Several springs are at the ruin at present, and it is situated within one half mile of the original stream bed.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: springs

No. of Rooms or Houses: more than 100

Pottery Group: VI

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-25

Location NE $\frac{1}{4}$ T13N R28E and NW $\frac{1}{4}$ T13N R29E

Type: pre-pottery

General Setting: Located along a long ridge. It is sandy with a sparse cover of grass and Juniper. The whole ridge is strewn with artifacts and chippings. If this area represents several sites, there was no indication as in the form of concentrations of artifacts or chippings. The ridge is located three miles north from the curve on highway 666 east of St. Johns. It is just east of the highway.

Area: St. Johns

Water Supply: probable springs--one half mile west of an arroyo

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 18 scrapers

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-26

Location: NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 31 Twp. 12N Range 25E

Type: pre-pottery

General Setting: Located on a small hill 20 feet south of the dirt road into Mesa Redonda, six miles in from highway 61. The site is on the south side of the road as it goes up a hill; there is a grade-bank on the north side. A series of basalt boulders forming an oblong pattern, about 40 feet by 60 feet, is on the site, but its origin is uncertain. There are a number of artifacts and chippings on the site. A small wash is at the base of the hill.

Area: Concho--Chillicot Ranch

Drainage: Little
Colorado River

Water Supply: arroyo

No. of Rooms or Houses: none

Group I -- pre-pottery (2 Reserve Black-on-White ?? sherds
were found on the site)

Artifacts: 20 random flake knives, 1 knife, 1 chopping tool,
and 18 scrapers.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-27

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 20 Twp. 12N Range 25E

Type: sherd and artifact area

General Setting: Located on a sandy flat presently covered with sparse Juniper. No surface indication of structures. Pottery and artifacts strewn over the site, about an acre in extent. Sand is discolored from charcoal.

Area: Concho--Chilicot Ranch

Drainage: Little
Colorado River

Water Supply: ? -- probable spring

No. of Rooms or Houses: none located

Pottery Group: III and IV

Artifacts: 8 scrapers, 1 knife, 1 fragment of a serrated projectile point, 1 flake saw, 14 random flake knives, 1 pottery scraper.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-28

Location: Center Section 7 Twp. 12N Range 25E

Type: rectangular pueblo

General Setting: Located on a gradual slope in front of a sandstone cliff. To the south of the ruin is a water-catch which closes into a neck 9 feet across which opens on to the flats below (east of the ruin). Cover is grass and sparse Juniper. Fifty-seven feet south of the north end of the ruin are two slab-lined fire pits which are three feet deep. A rectangular kiva, 15 feet by 18 feet, is located 25 feet east of the ruin. The site is just east of a wash.

Area: Concho--Chilicot Ranch

Drainage: Little
Colorado River

Water Supply: Arroyo, probable springs, and rainwater caught off the sandstone cliff.

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-29

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 9 Twp. 12N Range 25E

Type: sherd and artifact area

General Setting: Located on top a sandstone shelf. Sandy area--cover is sparse juniper. The sand is colored black from charcoal. No surface signs of structure. Pottery and artifacts are numerous.

Area: Concho--Chilicot Ranch

Drainage: Little
Colorado River

Water Supply: ? -- probable springs

No. of Rooms or Houses: none found

Pottery Group: III and IV

Artifacts: 1 random flake knife

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-30

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 27 Twp. 13N Range 28E

Type: pre-pottery

General Setting: Located on a sandy slope on the east side of a small hill just east of the Table Rock Site (C. N. H. M. Southwest Exped., 1958). Extent of the site is small--perhaps a half acre. Cover is sparse grass. Located just east of the Little Colorado River.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 4 chopping tools, 1 scraper, and 6 random flake knives

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-31

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 34 Twp. 13N Range 28E

Type: pit houses

General Setting: Located on the top of a flat, low hill at the end of a point of land leading into the Little Colorado River Valley. Present cover is sparse grass and bushes. Four depressions 20 to 30 feet in diameter. Little surface pottery. Little Colorado River one quarter mile to the east.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: four pit houses

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-32

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 34 Twp. 13N Range 28E

Type: pit houses

General Setting: Pit house depressions located on a low hill at the end of a point overlooking the Little Colorado River Valley. River is approximately one mile to the east. Cover is sparse grass. The site is one quarter mile southeast of a wash. Depressions vary from 15 feet to 24 feet in diameter.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 4 to 6 pit houses

Pottery Group: III

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-33

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 32 Twp. 13N Range 29E

Type: small pueblo

General Setting: Four rooms located and built against a sandstone cliff on top of the talus slope. Four rooms showing with walls standing, one with walls four feet high. Cliff is 60 feet high. Much debris has fallen from cliff. No surface pottery was located--perhaps debris has covered it. The site does not look "modern" (no recent "artifacts" were found)... Present course of the Little Colorado River is 100 yards north of the site.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: four rooms

Pottery Group: ? -- no pottery found

Artifact: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: SE. Johns Quad. (1:250,000)

Site No. LS-34

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 2 Twp. 10N Range 28E

Type: Pueblo and pit houses

General Setting: Located on top a basalt-capped point into the valley of the Little Colorado River. Springs are located at end of the point. Several basalt boulder rooms are indicated. South of these are 10 to 15 pit house depressions; many outlined by basalt boulders. All the pottery collected from the site comes from this area; none from the ruin itself. A maze of boulder walls covers the whole point; it is impossible to determine which, if any, are prehistoric and which are modern.

Area: Richville

Drainage: Little Colorado
River

Water Supply: springs

No. of Rooms or Houses: 5 to 8 rooms; 10 to 15 pit houses

Pottery Group: III

Artifacts: 1 scraper, 5 random flake knives

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-35

Location: NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 11 Twp. 10N Range 28E

Type: rectangular pueblo

General Setting: Large ruin located just 100 yards west of the Little Colorado River. Slab masonry chinked with small rocks and plastered. Ruin covers the top of a low hill overlooking the river. The location gives a commanding view. No definite Kiva located. Springs one half mile west of the site. The ruin is located one quarter mile south of the Sherwood Ranch house in Richville. Cover is sparse grass.

Area: Richville

Drainage: Little Colorado
River

Water Supply: springs and Little Colorado River

No of Rooms or Houses: more than 100

Pottery Group: IV, V, and VI

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-36

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 15 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Located on a low hill which is surrounded by tamarisk. The site lies one quarter mile southwest of the Little Colorado River. There are springs at the base of the hill. The hill itself is sparsely covered with grass.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: Little Colorado River and springs

No. of Rooms or Houses: more than 100 rooms

Pottery Group: IV, V, and VI

Artifacts: 1 three-surfaced mano, 1 shell bead, 1 bone whistle,
and 1 bone awl

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-37

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10 Twp. 11N Range: 28E

Type: one room pueblo

General Setting: Located on a small knoll on a point of land jutting into the present Lyman Reservoir. The point is the second point northwest of the one on which LS-24 is located. The area is sandy; the cover is sparse grass. The room measures 11 feet by 12 feet.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: one room

Pottery Group: III and IV

Artifacts: 2 rectangular manos (both approximately 8 inches by 3 inches) and several metate fragments.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-38

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: The site is a small ruin located on a point of land jutting into the present Lyman Reservoir. The point is one west of the point upon which LS-24 is situated. The area is sandy; present cover is sparse grass.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 3 rooms

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-39

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 23 Twp. 13N Range 28E

Type: one room pueblo

General Setting: The site consists of one room situated on a sandy flat. The present cover is sparse grass. It is located on the north side of an arroyo.

Area: St. Johns-"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: one room

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-40

Location: Center of NE $\frac{1}{4}$ Section 23 Twp. 13N Range 28E

Type: one room pueblo

General Setting: Located on a sandy flat just 25 yards west of LS-39. Present cover is sparse grass. It is located approximately 100 yards north of an arroyo.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: one room

Pottery Group: II and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-41

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13 Twp. 13N Range 28E

Type: one room pueblo

General Setting: A one room structure located on a sandy flat in the Blue Clay Hills area approximately 2 $\frac{1}{2}$ miles north of St. Johns. Present cover is sparse grass. The site is located on the south side of a wash.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: one room (5 feet by 12 feet)

Pottery Group: III and IV

Artifacts: one worked sherd

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-42

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13 Twp. 13N Range 28E

Type: one room pueblo

General Setting: Located on a sandy flat in the Blue Clay Hills area north of St. Johns. It is on the east side of the highway. The site is located approximately 50 feet south of a wash. The present cover is sparse grass. The outline of the room measures 8 feet by 15 feet.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: one room

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-43

Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 13 Twp. 13N Range 28E

Type: rectangular pueblo (?)

General Setting: Located on a sandy flat in the Blue Clay Hills area north of St. Johns. Little surface evidence of structure as the site has been bulldozed to form an irrigation ditch. It is located on the east side of the highway--approximately one quarter mile to site from highway. It is located near a wash.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: unknown

Pottery Group: III

Artifacts: 1 pottery pendant, 2 worked sherds.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-44

Location: SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14 Twp. 13N Range 28E

Type: sherd area

General Setting: A sherd area just south of a wash on a sandy flat in the Blue Clay Hills area north of St. Johns. It is located on the east side of the highway. No surface indication of structure was found. Present cover is sparse grass.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: unknown

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-45

Location: SW $\frac{1}{2}$ SW $\frac{1}{2}$ Section 14 Twp. 13N Range 28E

Type: sherd area

General Setting: A sherd area located on a sandy flat in the Blue Clay Hills area north of St. Johns. There is no indication of structure on the sandy flat on which the pottery occurs. The site lies 50 yards east of highway 666, approximately 2 $\frac{1}{2}$ miles north of St. Johns. It is situated 100 yards north of a wash. Present cover is sparse grass.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No of Rooms or Houses: unknown

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-46

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 15 Twp. 13N Range 28E

Type: two small pueblos

General Setting: Two structures, each about 20 feet square,
located on a sandy flat 30 yards east of LS-45. Present
cover is sparse grass. The site lies just north of a wash.

Area: St. Johns--"Blue Clay Hills"

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 8 to 10 rooms

Pottery Group: III and IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-47

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 15 Twp 13N Range 28E

Type: one pithouse

General Setting: One pit house located on a sandy flat. It lies just 75 feet east of LS-46. The house is 20 feet in diameter and has a slab outline showing on the surface. It is roughly circular in outline. Present cover is sparse grass. It lies about 30 yards from a wash.

Area: St. Johns--"Blue Clay Hills" Drainage: Little Colorado River

Water Supply: arroyo

No. of Rooms or Houses: one house

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-48

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 21 Twp. 13N Range 28E

Type: rectangular pueblo

General Setting: Located in the northeast section of the St. Johns cemetery. It is a small rectangular ruin--little surface pottery. The site is located on top of a low, flat-topped hill which is on a point of land overlooking the valley of the Little Colorado River. Present cover is sparse grass. There is an arroyo just east of the site.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo and Little Colorado River

No. of Rooms or Houses: 2 or 3 rooms

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-49

Location: NW $\frac{1}{4}$ Section 12 Twp. 12N Range 28E

Type: rectangular pueblo

General Setting: Located on a hill overlooking a sandy wash.
Sparse grass cover plus a very few and scattered Junipers.
The site lies approximately one and one half miles east of
the Little Colorado River.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: four rooms

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-50

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 8 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Located on a small knoll 100 yards south of the road into the Lyman Dam where the basalt-capped "Black Mesa" has its first major indentation as seen from the road as making a "V" shaped valley. The valley is approximately 2 miles east of highway 666. Present cover is sparse grass and Juniper. One room is outlined by basalt boulders, 15 feet by 10 feet. Several additional rooms are indicated. A slab metate was found on the site.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs.

No. of Rooms or Houses: 1 to 5 rooms

Pottery Group: III

Artifacts: one slab metate (not collected)

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-51

Location: SE $\frac{1}{4}$ Section 34 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Located on a small hill set against the base of of a basalt cliff 20 feet high. Basalt boulders used as building material. Very little surface pottery. Basalt rock wall runs east down to valley floor. The Little Colorado River is approximately 50 yards east of the site.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: nine rooms

Pottery Group: IV and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-52

Location: SE $\frac{1}{4}$ Section 34 Twp. 11N Range 28E

Type: pre-pottery

General Setting: Located on a sandy flat. Present cover is sparse grass and scattered Juniper. The flat is surrounded by basalt outcrops. It is located one quarter mile east of the Little Colorado River.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River and probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 3 scrapers and 20 random flake knives

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-53

Location: SE $\frac{1}{4}$ Section 34 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Several basalt-boulder rooms located on the side of a small hill just 50 feet south of the Little Colorado River. No pottery was found on the surface. There is a pictograph on a boulder on the site.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 4 to 6 rooms

Pottery Group: unknown (no pottery found)

Artifacts: 1 random flake knife and 1 scraper.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-54

Location: SE $\frac{1}{4}$ Section 34 Twp. 11N Range 28E

Type: two room pueblo

General Setting: Located at the base of a small hill near a spring approximately one quarter mile north of the Little Colorado River. No pottery was found on the surface. There is a juniper tree growing in the approximate center of the structure. Building material is basalt boulders.

Area: Richville

Drainage: Little Colorado
River

Water Supply: spring and the Little Colorado River

No. of Rooms or Houses: 2 rooms

Pottery Group: unknown (no pottery found)

Artifacts: 1 blade (knife), and 1 random flake knife.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-55

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 34 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Basalt boulder pueblo located on the side of a slope leading north to the Little Colorado River. The site lies approximately 30 feet north of the river. The river has deposited a large amount of silt on the site. Very little pottery was found. Room dimensions are all approximately 8 feet by 10 feet. Present cover is sparse grass and a few juniper trees.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 5 to 6 rooms

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-56

Location: SW $\frac{1}{4}$ Section 35 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Basalt boulder, small rock, and mud structure with some walls still standing four feet high. It is built on the top of a talus slope at the base of a basalt cliff. The talus is composed of huge basalt boulders. Cylindrical shafts open into several "pockets" ten to twenty feet below the top surface of the talus slope. There are signs of usage in these room-like pockets. A surface collection of dry materials (corn, wood, seeds, etc) was taken in one of these pockets. The site is located above the Little Colorado River on the east side, approximately 25 yards above the river. Several pictographs are on the cliff wall above the ruin.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 8 to 12 rooms

Pottery Group: V

Artifacts: 1 random flake knife.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-57

Location: SW $\frac{1}{4}$ Section 35 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Basalt boulder pueblo located about 250 yards south of LS-56. Four rooms are located against the basalt cliff on top the talus slope; five rooms on a sandy flat just above the cliff. The site lies approximately 50 yards east of the Little Colorado River.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 9 rooms

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-58

Location: SW $\frac{1}{4}$ Section 35 Twp. 11N Range 28E

Type: rectangular pueblo

General Setting: Limestone slab ruin located on a sandy flat 200 yards northeast of the Little Colorado River, just below a small limestone outcrop. Little surface indication of structure; there is much sand drifting in the area. Very little surface pottery was found. There is a small wash next to the site.

Area: Richville

Drainage: Little Colorado
River

Water Supply: arroyo and Little Colorado River

No. of Rooms or Houses: ? -- probably 15 to 20 rooms

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-59

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17 Twp. 11N Range 28E

Type: pre-pottery

General Setting: Pre-pottery cave site located in a valley formed by a fault three fourths the way up the side of the "Black Mesa" south of Lyman Reservoir. The cave is in the south cliff wall of the valley. A fallen basalt boulder wall is in front of the cave entrance. The wall-
ed-off space extends to a maximum of 15 feet in front of the cave. It is located below and west of LS-60

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 6 random flake knives

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-60

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 17 Twp. 11N Range 28E

General Setting: Pre-pottery site consisting of pit houses located on top a loaf-shaped volcanic dike overlooking the present Lyman Reservoir. Seven house depressions, most with basalt boulder outlines. Two sides of the dike are sheer basalt cliffs; the two ends are gradual slopes. Both ends are walled with a double wall of basalt boulders. At the base of the cliff on the north side of the dike is a sandy flat with four more pit houses--also pre-pottery. The site is due south of the Lyman Dam road, 2.5 miles east from the highway. Present cover is sparse grass.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: 11 pit houses

Group I -- pre-pottery

Artifacts: 33 random flake knives, 2 basal fragments of projectile points, and 16 scrapers

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-61

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 17 Twp. 11N Range 28E

Type: pre-pottery

General Setting: The site is located in a valley formed by a fault with basalt cliffs on two sides. A cave opens on the south side of the valley; artifacts found on grassey flat outside the cave itself. The cave entrance is approximately one yard square. The site occurs in the same valley as described for LS-59. This site is east of no. 59.

Area: St. Johns--Lyman Dam

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 9 scrapers, 1 knife, and 15 random flake knives.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-62

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 2 Twp. 10N Range 28E

Type: pit houses

General Setting: Small pit house site located at the end of a point of land jutting into the valley of the Little Colorado River. Very little surface pottery was found. The site lies 100 yards southeast of LS-35. The river is just 30 yards east (down from) the site. Present cover is sparse grass.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 4 to 6 pit houses

Pottery Group: III

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-63

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 4 Twp. 10N Range 28E

Type: rectangular pueblo

General Setting: Located on a point of land jutting into the Little Colorado River Valley. This point is one south of the point on which LS-62 is located. No kiva was found. The site is approximately 60 yards west of the river. Present cover is sparse grass.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 10 to 15 rooms

Pottery Group: III, IV, and V

Artifacts: 1 worked sherd.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-64

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 4 Twp. 10N Range 28E

Type: rectangular pueblo and pit houses

General Setting: Pit houses located on a small knoll just above the Little Colorado River and directly under the point of land on which LS-63 is located. The pueblo is located at the apex of the knoll. The river is 50 feet east of the knoll. Little surface pottery was found. Present cover is sparse grass.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 3 to 5 pit houses; 5 to 8 rooms

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-65

Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 34 Twp. 13N Range 28E

Type: "half moon shaped" pueblo and pit houses

General Setting: Located just one half mile north of the "Little Reservoir" one mile south of the town of St. Johns. It is situated on top a flat-topped hill at the end of a point of land jutting into the valley of the Little Colorado River. Several pit house depressions were found in front of the concave side of the pueblo. Little surface pottery was found. Present cover is sparse grass.

Area: St. Johns

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 15 to 20 rooms; 4 to 6 pit houses

Pottery Group: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-66

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 34 Twp. 11N Range 28E

Type: rectangular pueblo and pit houses

General Setting: Located on a sandy slope leading down to the Little Colorado River which is approximately 50 yards away. The site consists of a basalt boulder pueblo and several pit house depressions. The area is very sandy and sparsely covered by grass.

Area: Richville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 3 to 5 rooms; 2 to 5 pit houses

Pottery Group: III, IV, and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-67

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 8 Twp. 9N Range 29E

Type: small rock shelter and pit houses

General Setting: Located on a small butte just above the valley of the Little Colorado River. It is due east of the road leading down into the upper valley near the Hooper Ranch house. Plain ware pottery was found on a sandy bench on the north side of the butte about one half the way to the top. On southeast side of the butte huge slabs of rock have fallen destroying what was once probably a small rock shelter. One Black-on-White sherd was found here. The Little Colorado River is one half mile west of the butte.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs

No. of Rooms or Houses: unknown

Pottery Group: II

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-68

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 8 Twp. 9N Range 29E

Type: rectangular pueblo

General Setting: Coursed slab pueblo located on top and sides of a small butte overlooking the Little Colorado River. It lies approximately one half mile north of the Hooper Ranch Site (C.N.H.M. Southwest Expedition, 1959). Excellent defensive site with a commanding view of the valley.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs

No. of Rooms or Houses: 60 to 75 rooms

Pottery Group: VI

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-69

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9 Twp. 9N Range 29E

Type: small "L" shaped pueblo

General Setting: Located on the side of a slope overlooking the Little Colorado River Valley. It lies 100 yards due east of LS-68. Present cover is sparse grass and juniper trees. A barbed wire fence cuts through the ruin.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 12-15 rooms

Pottery Group: III

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-70

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 9 Twp. 9N Range 29E

Type: pit houses

General Setting: Located on a flat "bench" about one half the way up the mesa, southwest of the Hooper Ranch house. Very little pottery was found on the surface. Several pit house depressions occur on the flat. The site lies uphill (southwest) 75 yards from the ranch house. Present cover is Juniper and sparse grass.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs

No. of Rooms or Houses: 2 to 4 pit houses

Pottery Group: III

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-71

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 8 Twp. 9N Range 29E

Type: pictograph

General Setting: Located at the north end of the fence between brush and plowed field in the valley of the Little Colorado River almost directly west of the Hooper Ranch House. The pictographs are on large flat rocks at the end of the fence row.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: none

Pottery Group: no pottery found

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-72

Location: NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 20 Twp. 9N Range 29E

Type: pictograph

General Setting: Located three fourths the way up the talus and cliff of the mesa on the south side of the Little Colorado River just opposite the old Springerville Hydroelectric Plant on the Hooper Ranch.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: none

Pottery Group: no pottery found

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-73

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18 Twp. 9N Range 29E

Type: rectangular pueblo

General Setting: Basalt boulder pueblo located above the old Becker Homestead (on the road into the Hooper Ranch from the mesa top) about $\frac{4}{5}$ the way up to the top of the mesa on a flat near the top. Present cover is sparse grass.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs

No of Rooms or Houses: 15 to 20 rooms

Pottery Group: IV and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-74

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 17 Twp. 9N Range 29E

Type: one room pueblo

General Setting: Located on top of the mesa at its edge. It overlooks the valley below. Basalt boulder construction. Only one sherd was found. Present cover is sparse grass. The site is located just above the large field south of the Hooper Ranch Site (C.N.H.M. Southwest Expedition, 1959). The river runs at the base of the mesa at this point.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs

No. of Rooms or Houses: one room

Pottery Group: unknown

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-75

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 8 Twp. 9N Range 29E

Type: rectangular pueblo

General Setting: Located on the slope of a very low-graded hill which leads to the foot of the mesa to the east. It is located just 50 yards east of the Hooper Ranch Site (C.N.H.M. Southwest Expedition, 1959). Very little surface pottery was found. Present cover is sparse grass.

Area: Springerville--Hooper Ranch

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 3 to 6 rooms

Pottery Group: V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-76

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 17 Twp. 2S Range 28E

Type: sherd area -- probable pit houses

General Setting: Sherd area strung out along a flat bench about 100 yards long, 20 yards wide. The bench is located about one half the way up the mesa side, just north of the South Fork Guest Ranch. No definite pit house depressions could be seen. The Little Colorado River flows at the base of the mesa.

Area: Springerville

Drainage: Little Colorado
River

Water Supply: Little Colorado River and possible springs

No. of Rooms or Houses: unknown

Pottery Group: II

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-77

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 16 Twp. 2S Range 28E

Type: pit houses

General Setting: Located on the top of a flat-topped hill on a point of land jutting into the Little Colorado River Valley. Present cover is sparse grass. One house has been completely excavated by amateurs.

Area: Springerville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 3 to 6 pit houses

Pottery Group: II

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-78

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 17 Twp. 2S Range 28E

Type: rectangular pueblo

General Setting: Located at the end of a point of land on top a small hill overlooking the Little Colorado River. Ruin is of coursed slabs chinked with mud and small rocks. One room is completely excavated and not backfilled. Present cover is sparse grass.

Area: Springerville

Drainage: Little Colorado
River

Water Supply: Little Colorado River

No. of Rooms or Houses: 15 to 20 rooms

Pottery Group: IV and V

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-79

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 32 Twp. 13N Range 27E

Type: pre-pottery

General Setting: Located on a sandy flat with a sparse cover of grass. It is located at the foot of a large Juniper-covered ridge. One half mile south of highway 61, one half mile east of a windmill located roughly half the distance between St. Johns and Concho on the south side of the highway. The site is roughly one acre in extent. No sign of structure was found.

Area: Concho

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 4 projectile point fragments, 2 blade fragments, 4 scrapers, 11 random flake knives, and 6 knives.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-80

Location: center Section 5 Twp. 11N Range 26E

Type: pre-pottery

General Setting: Located on the north, northeast, and northwest edges of the Mineral Sink. The sink is bounded on the north by a Juniper-covered ridge upon which no material was found. The modern size of the sink is evidentially larger than the size of the prehistoric lake bed. This is seen as the artifacts come from an area that was under water in the modern lake, but was on the shore of the earlier one. The present dry bed was created in the last 50 years by diverting the water from the Mineral River to Ortega Lake. Artifacts occur on the north side of the sink.

Area: Concho

Drainage: Mineral Creek
(ultimately, Little Colorado
River)

Water Supply: Mineral Lake

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 13 random flake knives, 2 projectile point fragments,
1 blade fragment, 1 scraper, and 1 knife.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-81

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 6 Twp. 10N Range 28E

Type: pre-pottery

General Setting: Scattered flint chips indicating a "workshop" located on top of a Juniper-covered ridge just west of highway 666 one quarter mile north of the Hall Ranch road on the west side of the highway opposite the Richville turnoff.

Area: Richville--Hall Ranch

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: only flint chips--no definite tools.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-82

Location: SW $\frac{1}{4}$ Section 13 Twp. 11N Range 27E

Type: pre-pottery

General Setting: Located on the north side of a dry lake bed.
The lake bed is approximately 1.5 miles west of highway
666, approximately 5 miles north of the Hall Ranch. Scattered
chippings were found. No artifacts were found.

Area: west of Lyman Dam

Drainage: Little Colorado
River

Water Supply: lake

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: only flint chips; no definite tools.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-83

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 33 Twp. 13N Range 27E

Type: pre-pottery

General Setting: Located on a high spot on the east side of an arroyo. Cover is sparse grass and juniper trees. The area is quite sandy and littered with basalt boulders.

Area: Concho

Drainage: Little Colorado
River

Water Supply: arroyo and possible springs

No. of Rooms or Houses: none

Group 1 -- pre-pottery

Artifacts: 13 scrapers, 3 knives, 3 blade fragments, and 2 random flake knives.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-84

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 32 Twp. 13N Range 27E

Type: pre-pottery

General Setting: Located on a low hill surrounded by even higher ground. Present cover is sparse grass and juniper trees. It is located 100 yards north of Schuster Springs. Two possible pit house depressions are located on the north side of the site. Both depressions are outlined by basalt boulders.

Area: Concho

Drainage: Little Colorado
River

Water Supply: spring

No. of Rooms or Houses: two possible pit house depressions, both are outlined with basalt boulders.

Group I -- pre-pottery

Artifacts: 72 scrapers, 17 utilized flakes, 11 blade fragments, 4 knives, 2 projectile point fragments, 1 chopping tool, and one perforator.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-85

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 4 Twp. 12N Range 27E

Type: "sherd area" - probable pit houses

General Setting: Sherd area, possible pit house site, located on a sandy bench approximately 40 feet wide and 75 feet long. It is situated on the side of the talus slope below the basalt-capped mesa two miles south of highway 61, approximately half way between Concho and St. Johns. The site overlooks a flat below it with a good view. Present cover is sparse grass, scattered Juniper, and basalt boulders. Schuster springs are less than one quarter mile to the northwest.

Area: Concho

Drainage: Little Colorado
River

Water Supply: spring

No. of Rooms or Houses: none located

Pottery Group: III

Artifacts: none found.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-86

Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 4 Twp. 12N Range 27E

Type: pre-pottery

General Setting: Located on a series of three "benches", one above the other, formed by basalt flows on the side of a mesa. This series of flat benches is approximately half way up the side of the mesa. The site is located on the north side of the second point in the mesa approximately two miles south of highway 61 halfway between Concho and St. Johns. Three rock-outlined pit house depressions were found on the uppermost "bench". All three are circular; ten feet in diameter.

Area: Concho

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: 3 pit houses

Group I -- pre-pottery

Artifacts: 9 projectile points, 65 scrapers, 24 blade fragments, 21 utilized flakes, 11 knives, 5 chopping tools, and 4 perforators.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-87

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 8 Twp. 12N Range 27E

Type: walled fissures

General Setting: Site located on the third point of the basalt-capped mesa, approximately three miles south of highway 61 halfway between Concho and St. Johns. A cliff, fifty feet high, leads from the mesa top to a talus slope below. Several fissures in the cliff at its junction with the talus slope are walled with basalt boulders. A spring (now dry) is located east (downslope) of the site. Pottery was collected from the "rooms."

Area: Concho

Drainage: Little Colorado
River

Water Supply: spring

No. of Rooms or Houses: 4 to 7 rooms

Pottery Group: II, IV, and V

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-88

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 8 Twp. 12N Range 27E

Type: pre-pottery

General Setting: Located on a sandy flat just north of a spring and east of LS-87. The flat is located on the third point of the basalt-capped mesa approximately three miles south of highway 61 halfway between Concho and St. Johns. It lies at the base of the talus slope down (east) from LS-87. Present cover is sparse grass and scattered juniper trees.

Area: Concho

Drainage: Little Colorado
River

Water Supply: Spring

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 69 scrapers, 14 utilized flakes, 7 blade fragments, 4 projectile point fragments, 1 projectile point, 1 core, 1 chopping tool, and 1 perforator.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-89

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 22 Twp. 12N Range 27E

Type: pre-pottery

General Setting: Located on a sandy flat between two arroyos. Springs are presently (1959) seeping in the arroyos. Present cover is sparse grass and juniper trees. It is located south of LS-90 and overlaps with it in part. *

Area: Concho

Drainage: Little Colorado
River

Water Supply: arroyo and springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 32 scrapers, 14 utilized flakes, 2 knives, and 1 blade.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-90

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 22 Twp. 12N Range 27E

Type: "sherd area" associated with hearths

General Setting: The site is located on a sandy flat 75 feet south of an arroyo. Another arroyo is 125 feet south of the site. There is some seepage from springs in the arroyos at present (1959). Two circular fire pits, slab outlined, with concentrations of associated pottery are 5 feet apart. LS-89 (pre-pottery) overlaps with the sherd area from the south. Present cover is sparse grass and juniper trees.

Area: Concho

Drainage: Little Colorado
River

Water Supply: arroyos and springs

No. of Rooms or Houses: none

Pottery Group: II

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-91

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 27 Twp. 12N Range 27E

Type: pre-pottery

General Setting: Located on two points overlooking a flat below (to the north). On the northeast point relatively little surface material was found. On the southwest point two hearths, two feet in diameter and stone outlined, were found. Both points are sandy and flat-topped. An arroyo runs between the two points. Present cover is grass and sparse juniper trees. Springs are presently (1959) seeping in the arroyo.

Area: Concho

Drainage: Little Colorado
River

Water Supply: arroyo and springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 1 one-hand mano, 1 blade fragment, 4 scrapers, and 2 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-92

Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 27 Twp. 12N Range 27E

Type: pre-pottery

General Setting: Located on a sandy "bench" formed by basalt flows on the side of a basalt-capped mesa just 50 feet down from the top surface of the mesa. It overlooks the flats approximately 150 feet below. Present cover is sparse grass and scattered Juniper.

Area: Concho

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: 18 scrapers, 1 knife, 12 utilized flakes, 1 drill fragment, 5 blade fragments, 2 chopping tools, and 1 core.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-93

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27 Twp. 12N Range 27E

Type: 2 room pueblo

General Setting: Two roomed basalt boulder pueblo built against the basalt cliff at the top of a mesa. Slight overhang above the rooms. It overlooks a sandy "bench" up on the mesa side upon which LS-92 is located. Springs are seeping out of the basalt in several places. Very little surface pottery was found. Present cover is sparse grass and scattered juniper trees.

Area: Concho

Drainage: Little Colorado
River

Water Supply: springs

No. of Rooms or Houses: 2 rooms

Pottery Group: III

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-94

Location: NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 34 Twp. 12N Range 27E

Type: pre-pottery

General Setting: Located on a sandy "bench" formed by basalt flows on the side of a mesa, perhaps 150 feet from the base of the mesa. There is a spring presently (1959) seeping on the "bench." Present cover is sparse grass and scattered Juniper.

Area: Concho

Drainage: Little Colorado
River

Water Supply: spring

No. of Rooms or Houses: none

Group I -- pre-pottery

Artifacts: collection lost.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-95

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 33 Twp. 12N Range 27E

Type: "sherd area"

General Setting: Sherd area located on a sandy flat and slope on the side of a mesa. This site is approximately 250 yards west of LS-94. No sign of structure was found. Present cover is sparse grass and juniper trees. The site is perhaps 150 feet above the flats below the mesa.

Area: Concho

Drainage: Little Colorado
River

Water Supply: probable springs

No. of Rooms or Houses: none located

Pottery Group: II

Artifacts: 8 scrapers and 3 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-96

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 33 Twp. 12N Range 27E

Type: dry cave

General Setting: A dry cave, 18 feet deep, 15 feet wide, 5 feet high located at the base of a basalt cliff at its junction with the talus slope. Cave opening faces northeast. Pre-pottery artifacts and pottery located in front of the cave entrance. About 30 feet below the cave is a sandy flat; presently (1959) running springs are located here. Roof of the cave is fire-blackened. Two basalt boulder rooms set against the basalt cliff 12 feet east of the cave entrance. This site, "Swinburn Cave", was excavated (C.N.H.M. Southwest Expedition, 1959)

Area: Concho

Drainage: Little Colorado
River

Water Supply: springs

No. of Rooms or Houses: cave and 2 rooms

Pottery Group: III, IV, and V

Artifacts: 1 blade fragment, 2 chopping tools, 6 scrapers, and 10 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-97

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 26 Twp. 12N Range 26E

Type: dry cave

General Setting: Dry cave with a fire pit outside, located 100 feet west of Malapi Springs. The cave is approximately 100 feet deep, 15 feet wide, and 5 feet high. Roof is fire-blackened. Both pottery and tools were found outside the cave entrance. Cave is located at the base of a basalt cliff just above a sandy flat.

Area: Concho--Malapi Springs

Drainage: Little Colorado
River

Water Supply: springs

No. of Rooms or Houses: cave

Pottery Group: III, IV, and V

Artifacts: 1 flake knife, 7 scrapers, and 7 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-98

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 26 Twp. 12N Range 26E

Type: cave

General Setting: Cave site with signs of prehistoric occupation including a fallen basalt boulder wall in front of the entrance and pottery. A spring is presently seeping in the cave. This cave is located 75 feet south of LS-97 (dry cave). Malapi Springs are located 25 feet to the north of the cave. The inside of the cave is quite wet and there is quite a bit of silt deposited on the inside surface.

Area: Concho--Malapi Springs

Drainage: Little Colorado
River

Water Supply: springs

No. of Rooms or Houses: cave

Pottery Group: II

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: Holbrook Quad. (1:250,000)

Site No. LS-99

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 23 Twp. 13N Range 21E

Type: rectangular pueblo

General Setting: Located on top a small hill overlooking a flat field. Site is in the town of Snowflake; a house has been built on top the ruin. As a result of excavating the basement, the owner of the house has a collection of pots, sherds, and other material. The site is approximately one mile west of Silver Creek.

Area: Snowflake

Drainage: Little Colorado
River

Water Supply: Silver Creek and probable springs

No. of Rooms or Houses: uncertain--probably not more than 50 rooms

Pottery Group: IV

Artifacts: none recorded.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: Holbrook Quad. (1:250,000)

Site No. LS-100

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 12 Twp. 13N Range 21E

General Setting: Located on top a small knoll 30 yards west of Silver Creek. Just east of the site, the Silver Creek enters a deep, narrow gorge. The site is approximately one half mile north of Snowflake. Construction is of coursed sandstone slabs. One room, probably a Kiva, has been completely excavated. Judging from the backfilling and other indications, this looks professionally dug. The dimensions of this structure are 20 feet by 10 feet. The site is located just off (east of) highway 77. Directly across the highway is LS-101 ("the Snowflake Ruin").

Area: Snowflake

Drainage: Little Colorado
River

Water Supply: Silver Creek

No. of Rooms or Houses: 30 to 35 rooms

Pottery Group: IV

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: Holbrook Quad. (1:250,000)

Site No. LS-101

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11 Twp. 13N Range 21E

Type: curved pueblo -- "half moon shape"

General Setting: Located on a small hill southwest of highway 77 one half mile north of Snowflake. Silver Creek flows 100 yards northeast of the site. A number of the rooms have been excavated and backfilled; it looks professionally dug. Approximately four fifths of the site has been excavated. The site is locally known as the "Snowflake Site." LS-100 is directly across the highway--about 100 yards northeast.

Area: Snowflake

Drainage: Little Colorado
River

Water Supply: Silver Creek

No. of Rooms or Houses: 30 to 40 rooms

Pottery Group: IV and V

Artifacts: none found.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-102

Location: SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 1 Twp. 12N Range 23E

Type: rectangular pueblo

General Setting: Located on a small knoll on a flat lying north of a basalt-capped mesa, locally known as "Black Mesa". An arroyo is located approximately 25 yards north of the site. Present cover is sparse grass and scattered juniper trees. It is located about one half mile southeast of LS-103.

Area: Snowflake--Mesa Redonda

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 20 to 25 rooms

Pottery Group: III and IV

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-103

Location: center Section 1 Twp. 12N Range 23E

Type: rectangular pueblo

General Setting: Located on top of a low hill on a flat south of "Black Mesa." The site is one half mile south of a wash-- mesa is one mile due north. The plan of the pueblo is such that the rooms form a hollow square, probably a plaza. Two rectangular Kiva depressions found. Site is approximately one half mile southeast of LS-104.

Area: Snowflake--Mesa Redonda

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: approximately 100 rooms

Pottery Group: IV and V

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-104

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 2 Twp. 12N Range 23E

Type: rectangular pueblo

General Setting: Located on a small knoll just north of a wash on a flat at the south base of "Black Mesa." Present cover is sparse grass. It is located approximately one mile south-east of LS-105.

Area: Snowflake--Mesa Redonda

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 3 to 5 rooms

Pottery Group: IV

Artifacts: none found.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-105

Location: North Center Section 25 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Located on a low hill, 20 yards north of a wash, approximately 100 yards south of "Black Mesa" at the eastern end of the mesa where "v" shaped valley is made by an indentation in the mesa. Pottery is abundant. Present cover is sparse grass and scattered juniper trees.

Area: Snowflake--Mesa Rdeonda

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 50 to 60 rooms

Pottery Group: IV and V

Artifacts: none found.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-106

Location: SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4 Twp. 12N Range 23E

Type: large rectangular pueblo

General Setting: Large ruin with a 60 foot circular Great Kiva on the south side of the site. A large debris pile perhaps indicates several storied structure. It is located on a low hill approximately 30 yards southeast of a large wash. "Black Mesa" is about two miles northwest of the site; the face of the mesa at that point running approximately north and south. Present cover is sparse grass and scattered Junipers.

Area: Snowflake--Mesa Redonda

Drainage: Little Colorado
River

Water Supply: arroyo

No. of Rooms or Houses: 150 to 175 rooms (two stories)

Pottery Group: III, IV, and V

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Map: St. Johns Quad. (1:250,000)

Site No. LS-107

Location: E. Center	Section 19	Twp. 11N	Range 25E
and W. Center	Section 24	Twp. 11N	Range 25E

Type: "sherd area"--probable pit houses

General Setting: Located two miles northeast of "Concho Cut-off" entrance to highway 61. The site is on the west side of the highway with probability that it continues across the highway to the arroyo, about 50 yards east of the road. It runs from the southwest area of the state rest park to an arroyo, bounded on the west by limestone cliffs. The site is on a slope gently dipping to the east. Present cover is grass and scattered juniper trees. Two or three circular rock-outlined fire pits are exposed on the slope west of the highway by erosion.

Area: Vernon--highway 61

Drainage: Little Colorado
River

Water Supply: arroyos

No. of Rooms or Houses: no definite house depressions found--only two definite fire pits (see above).

Pottery Group: III

Artifacts: 1 coarse-grained basalt sphere, 3 scrapers, 2 random flake knives, 8 projectile points.