

Cueva de los Ladrones

Cerro Guacamayo

near El Potrero, Coclé Province, Republic of Panama

Catalogue of material excavated, March and April

1974

by Dr. Junius B. Bird + Dr. Richard Cooke

Catalogue No.

Date of Dirt, of Store

Loads

1. Surface dust Mar. 1-2 37

2. Area 1 Layer 1. Surface to 15cms Mar. 3 12

{ 3. " 1 " 2. 15 to 30 cms

{ 4. " 1 " 3. 30 to 45 cms Mar. 7

5. " 1 " 4. 45 cms to sterile substructure

6. Area 2 " 1 Surface to 15 cms. Mar. 4 12

7. " 2 " 1 - lower part Mar. 6 1

8. " 2 " 2A 5

9. " 2 " 2B Mar. 5-7

10. " 2 " 3 - top part

11. " 2 " 3 Mar. 6

12. Areas 1+2 - surface of subsoil, 4.70 to 9 m. SW Mar. 8

13. Area 3 Layer 1 - surface to 15 cms. Mar. 4 6

14. " 3 " 2 Mar. 6

15. " 3 " 3 - surface

16. Area 4 " 1 - surface to 15 cms. Mar. 4 7

17. " 4 " 2 - 15 to 30 cms. Mar. 5-6 2

18. Area 5 Layer 1 - surface to 15 cms. Mar. 4 7

19. Area 6 Layer 1 - surface to 15 cms. Mar. 5 8

20. " 6 Bottom. surface of altered rock substructure

21A. Area 7 Layer 1. surface to 15 cms. 13 1/2

21B. " 7 " 2. 15 cm to bottom 5

22. Area 8 Layer 1 0-10 cms Mar. 12

23. " 8 " 2 10-20 cms

24. " 8 " 3 20 cm to bottom

" } 8

Catalogue No.		Date	Loads of Dirt of str.	Catalogue No.		Date	Loads of Dirt of str.
25	Area 9 Layer 1 0 to 10 cms		1	(Area 2B Layer 1 see No. 37)			
26	" 9 " 2			48 9 " 2B " 2	Mar. 23-24		
				49 " 2B " 3	" 24	6	1/4
				50 " 2B " 4	" 25	4	
27	Area 10 Layer 2	Mar. 13-14	15	51 " 2B " 5	" 25	4	
28	" 10						
29	" 10		1	52 Area 1B Layer 5A - upper half	Mar. 25	5	
	Thin fragments			53 " 1B " 5B - lower half			
	Between rotted rock - cliff face						
30	Area 1A Layer 1 0 to 3"	Mar. 18	7 1/4	54 Area 2B Layer 6	Mar. 26	6	
31	" 1A " 2 3 to 6"	Mar. 18-19	5 3/4				
32	" 1A " 3	Mar. 19		55 Area 3A Layer 1	Mar. 17		
33	" 1A " 4	Mar. 20	6	56 " 3A " 2	" 18	2 1/3	
34	" 1A " 5	Mar. 21	8	57 " 3A " 3	" 18		
				58 " 3A Bottom - surface of rotten rock	" 19	2	
35 A+B	Areas 1A and 2A: 35A - Area 1A Layer 6	Mar. 22	10				
	35B - Area 2A " 6	" "	4	59 Area 0 Layer 1	Mar. 27		
36	Areas 1A and 1B	Mar. 30		60 " 0 " 2 ✓	" 27		
				61 " 0 " 3	" 27	7 1/2	
37	Areas 1B and 2B Layer 1	Mar. 23	6	62 " 0 " 4 ✓	" 27-28	9	
				63 " 0 " 5	" 28	9	
38	Area 1B Layer 2	Mar. 24	6	64 " 0 " 6 ✓	" 28	10	
39	" 1B " 3	" 24	8	65 " 0 " 7	" 28-29		
40	" 1B " 4		9	66 " 0 " 8	" 29	11	1
41	" 1B " 6 (Layer 5 - see Nos. 52-53)	" 26	14	67 " 0 " 9			
				68 " 0 " 10	" 29		2
42	Area 2A Layer 1	Mar. 7					
43	" 2A " 1 bottom	" 18	1	69 Area 01 Layer 1		8 1/2	
44	" 2A " 2	" 19		70 " 01 " 2		9	
45	" 2A " 3	" 18		71 " 01 " 3	Apr. 2	9	
46	" 2A " 4	" 20	2 1/2	72 " 01 " 4	" 2+3	8	
✓ 47	" 2A " 5	" 21	2	73 " 01 " 5	" 3	8	
				74 " 01 " 1-4 around big rock	" 3	7	

Catalogue No.		Date	Load	Dist of st
75	Area 01 Layer 6	Ap. 3-4	9	
76	" 01 " 7	" 4	6 1/2	4
77	" 01 " 8	" 4		3
78	" 01 " 9	" 4-5	7	2
79	" 01 " 10A		8	2
80	" 01 " 10B	Ap 5	7	2
81	" 01 " 10C	" 5-6	4	1
82 A	" 0 " 11	" 6	5	1
82 B	" 01 " 11	" 6	7 1/2	2
83	Areas 11+12 Surface			
84	Area 11 Layer 1	Ap 6	6 small	
85	" 11 " 2	" 16	3	
86	Area 12 Layer 1	Ap 2	12	
87	Area 13 Layer 1	Ap 17	5	
88	" 13 " 2	" " ?	5	
89	Area 14 Layer 1	Ap 17	7	
90	Area 15 Layer 1	Ap 18	2	
91	Area 16 Surface dust	Ap 18	1	
92	" 16 Layer 1	" 18	5	
93	Area 17 Layer 1	} hand sifted		
94	" 17 " 2			
95	Area 18 Layer 1	May 10	17	
96	" 18 Layer 2			
97	" 18 Samples of rock from lower levels -			
98	Position Uncertain - all areas			

Comments on terms used in the following catalogue.

Gross Weight is the dry weight after washing of all stone collected on the sorting table below the sifter or at the excavation. The fragments of "grinding slab" (metates) and "grinding stones" (manos) were excluded because of the great variation in their weight. The figures are merely a record of the amount washed and examined.

Pieces, natural stress fractures.

There was a considerable amount of fractured, angular stone along and outside the drip-line area; stone deriving mainly from the shelter formation. All was washed and checked before discarding. The counts and weights have no significance except as a measure of the work involved in the recovery of the cultural material.

Minute pieces, natural and/or heat fractures:

Pieces too small to justify further checking. Most are naturally-broken bits of the rocks of the locality, but there are small fragments of the materials present among the flakes, cores, etc. broken either by heat, accidental pressure, or internal stress.

Cores:

All are lumped together regardless of size, form or material.

Most had been discarded because they would no longer yield desirable flakes; others, because the material had proved refractory.

The smallest should be segregated and studied apart.

Core fragments:

Includes both sections of, and flakes from, cores which retain portions of striking platform margins, evidence of shaping before flake removal.

Angular chunks and spalls.

A very loosely-delineated category for pieces which had no function nor precise group characteristics. They are very variable in size, form, and breakage.

A subdivision is made for those of the local agate, which yielded only small pieces, as evidenced in the weight-count record.

Flakes, large. These are simply the largest ones in each excavated lot, differing in size considerably from one lot to another, probably because in many cases the sample is small.

Flakes, of miscellaneous materials.

Because of the difficulty of field identification of the various stones utilized, all which are neither jasper nor agate are lumped together.

Flakes, red jasper.

The local red jasper fractures irregularly, and that broken anciently has subsequently fractured, spalled, cracked and checked. To sort out the few unbroken, unmodified flakes would be difficult, so all pieces are lumped together.

Flakes, clear and white agate.

This material available only in small nodules or pieces. It fractures very poorly and yielded mainly very small flakes.

Most of the items listed as "grater inserts" are of this stone.

Flakes, longer than wide.

Some of these must have occurred accidentally others

were intentional, and may have been made with the hope that they might be suitable for projectile points.

Flakes, heavily patinated.

At the moment, this heavy patination is thought to relate to the type of material rather than indicating greater age than the associated material.

Flakes, tiny chips.

These are the smallest flakes; most of a size that could pass through the opening of a 4x4 wire cloth screen. They are a measure of the effectiveness of the screening procedure employed, and the care used in checking the sifted debris.

Flakes, edges worn or smoothed from use.

All instances where smoothing was suspected have been listed. Positive, readily-visible wear is rare. The figures will have to be revised after examination with higher magnification than available at the site.

Flakes, unilaterally nicked.

Like the preceding, the counts will have to be revised after further study. Some nicking must be accidental.

Flakes, (scrapers) unilateral retouch.

Some, if not most, margins may have resulted from use rather than deliberate retouching.

Scrapers, small, double-edged.

These should be compared with the little double-edged scraping tools of Poverty Point, Louisiana.

Manioc grater inserts?

This is purely an arbitrary designation for pieces which

might have been so used. No proof of this is as yet available.

Projectile points, whole and fragmentary.

All are percussion-formed. Two or three variants may be present.

Grinding slabs, metates, and grinding stones, manos.

Positive evidence of function in form of wear is missing in most cases due to surface modification. This field testing will have to be revised.

Estimated bits of the same stone. These are definitely non-artifacts.

They are listed in case they prove to be the same material as the slabs. If so, the occurrence of the pieces listed as parts of slab may be a natural feature of the deposit.

Hammerstones. Surprisingly rare in view of number of cores.

Miscellaneous. Items of such limited occurrence that they are grouped here, and annotated.

Pieces of quartz and quartz crystals. A rare material at this site; perhaps related only to the "grater inserts".

Water worn pebbles. Do not occur naturally in this deposit, so believe all have been brought here, as they appear to have been at Cueva Bustamonte and at Madden Lake sites.

Catalogue Number		C.L.	1	2	3	4	5	6	7	8	9	Notes - Comments
Pottery:	Sherds: Total Count and Gross Weight	Count	Weight									
Stone:	Gross Weight											
1989	Pieces; natural stress fractures - discarded	67	13 1/2	236	2 1/2	496	5 3/4					
	Minutes; pieces; natural stress fractures	28	1	151	7 1/2	246	5					
	Cores: complete					1	1 1/2					
	fragment	1	1			4	3					
	Angular chunks and spalls	5	5	10	6	16	6 1/2					
	" " of agate	2		3		12	7 1/2					
	Flakes, largest in each lot	4	2 1/4	7	2	15	8 1/2					
	" of miscellaneous materials	8	1/2	33	2 1/2	114	6 1/2					
	" red jasper	13	1	30	2	52	3 1/2					
	" clear and white agate	3	-	17	1	61	2 3/4					
	" longer than wide					5	1					
	" heavily patinated											
	" tiny chips			42	1/2	59						
	Flakes: edges worn or smoothed from use					2						
	" edges unilaterally nicked	2	3/4			1						
	" (scrapers), unilateral retouch					1						
	Scrapers, small, double-edged											
	Marine grater inserts											
	Projectile points: whole	1	-									
	fragmentary			2	1/2							
	Adze or axe: fragments					1						
	chips from	1	-			2						
	Grinding slabs, metates; fragmentary											
	stones, manos											
	Patinated bits, same stone as slabs			3		5						
	Hammerstone											
	Miscellaneous	2	1/4	1		2	1 1/2					
	Pieces of quartz and quartz crystals											
	Waterworn pebbles; throwing stones?					3						
	Historical, modern	1	-									
Bones		8		3		102						
Shells		42		149		356						

Catalogue Number		CL	10	11	12	13	14	15	16	17	18	Notes; Comments						
Pottery:	Sherds: Total Count + Gross Weight	-	-	-	-	13	3 1/2	1	-	1	-	4	1 1/4	-	-	16	5 1/2	
Stone:	Gross Weight	-	2 1/8	5	-	8 1/2	1	3	-	2 1/2	1	3 1/2	-	1	-	-	8 1/2	
547	Pieces; natural stress fractures-discarded	33	2	21	5	106	15	4	2 3/4	56	14	5	1/2	42	7 1/2			
	Minute pieces natural +/or heat fractures	-	-	-	-	77	1 1/2	-	-	-	-	-	-	-	-	-	-	
	Cores: complete	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	fragments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Angular chunks and spalls	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	" " of agate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Flakes; largest in each lot	-	-	-	-	1	1/4	-	-	-	-	-	-	-	-	-	-	
	" of miscellaneous materials	1	-	1	-	11	3/4	-	-	-	-	-	-	-	-	-	-	No. 14 - 5 are of yellow jasper
	" red jasper	-	-	1	-	6	1/2	-	-	-	-	-	-	-	-	-	-	
	" clear and white agate	2	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	
	" longer than wide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	" heavily patinated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	" tiny chips	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	
	Flakes: edges worn or smoothed from use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	" edges unilaterally nicked	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	" (scrapers) unilaterial retouch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Scrapers, small, double-edged	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hammer grater inserts?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Projectile points: whole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	" : fragmentary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Edge of axe, fragment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No. 16 - Butt end of adze?
	Grinding slabs, metates; fragmentary	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	No. 12 - section of metate leg
	" stones, manos	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Patinated bit, same? stone as slab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hammer stones	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No. 16 - pendant?
	Pieces of quartz and quartz crystals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Waterworn pebbles, throwing stones?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Historical, modern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bones		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Shells		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

[illegible]

[illegible]

Catalogue Number		CL	35B	36	37	38	39	40	41	42	43	Notes + Comments												
		Count	Weight lb. oz.																					
Pottery:	Sherds, Total Count and Gross Weight	-	-	-	36	10 1/4	203	2 14 1/2	209	3 12 1/2	57	14 1/2	-	-	5	- 7/8	-	-						
Stone:	Gross Weight	4	1/8	2	8 1/2	3	4 1/4	6	7 1/2	5	9	5	2 1/2	4	13 1/2	8 1/2	-	2 1/2						
1817	Pieces, natural stress fractures, discarded	13	1 1/2	137	1 9 1/4	124	1	11	195	1	4	182	2 1 1/2	103	1 9 1/2	246	2 14 1/4	28	4 1/4	6	1 1/2			
	Minute pieces, natural +/or heat fractures	19	1/8	86	1 1/4	30	1		118	3		125	3 1/4	291	8 1/2	112	2 1/4							
	Cores; complete					1	6 3/4		4	10 1/2	2	5	2 1/2	4 1/4	2	5 1/2								
	" fragments			2	1/4				1	1 1/2	1	1/4	1	1 1/4	1	1/8								
	Angular chunks and spalls	3	3/4	5	3 1/2	5	5 3/4		21	14 1/2	14	13	12	4 1/4	16	8 1/4	1	2 1/4					No. 39 - 4 discarded	
	" of agate					2	1/8				5	3/4	17	3	1	1/4			2	1/8				
	Flakes, largest of each lot	1	1/2			5	3		23	12	7	5 1/4	12	6	5	2 3/4							No. 41: 1 of red jasper	
	" of miscellaneous materials	19	1	29	1 1/2	56	4		81	5 1/2	96	8 3/4	73	5 3/4	32	2 1/2	8	1	3	1/8				
	" red jasper	8	1/4	15	3/4	46	2 1/2		101	9 3/4	100	8 3/4	71	6	50	2 1/2	1	-	1	-				
	" clear and white agate					18	1		26	3 1/4	34	2 1/4	110	5	10	1/2	5	-	1	-			No. 40: see flakes, tiny chips.	
	" longer than wide	1	-	1	-	1	-		14	5 1/4	8	1 1/4	8	2 1/2	4	1/2								
	" heavily pitted											1	1 1/2											
	" tiny chips	16	-	24	1/4	36	1/8		56	5 1/8	61	1/2	131	1 1/4	41	1/4			3	-			No. 40: 95 tiny chips of agate.	
	Flakes; edges worn or smoothed from use					2	-		1	-				1	-			1	-				No. 37 + 38: flakes - bilateral marking each	
	" unilaterally nicked											1	-											
	" (scrapers) unilateral retouch			1	-							1	-											
	Scrapers; small, double-edged					3	✓																	
	Manic grater inserts?																							
	Projectile points; whole																							
	" fragmentary																							
Edge or axe fragments					1	-																		
" chips from																								
Grinding slabs, metates, fragmentary																								
" stones, manos																								
Pitted like some? stone as slabs																								
Hammerstones																								
Miscellaneous																								
Pieces of quartz and quartz crystals																								
Water worn pebbles; throwing stones?																								
Historical, modern					1	-																		
Bones																								
Shells																								
		48		17		176		331		333		444		163		16		11					1598	

Projectile Pt.: unilateral
No. 42: chipping from both
margins of 1 side - Δ in
section.

No. 38. Non-pitted. 1 = 3oz.

No. 37: 1 piece white glazed pottery
No. 40: flake with highly polished
surface.
No. 41: 2 stone bowl fragments
discarded?

Catalogue Number		CL	44	45	46	47	48	49	50	51	52	Notes + Comments
Pottery:	Sherds: Total Count and Gross Weight	Count	Weight									
Stone:	Gross Weight	lb.	oz.									
1277	Pieces, natural stress fractures; discarded	53	7 3/4	67	12 1/2	51	12 1/2					
	Minute pieces, natural and/or heat fractures	188	3 1/4	90	2 1/2	79	1 3/4					
	Cores; complete	2	13 1/4									
	fragments	1	1 1/2									
	Angular chunks and spalls	7	2 3/4	3	4 1/2	2	3/4					
	" " of agate	2	1/8	3	1 3/4							
	Flakes, largest of each lot	6	4 1/4	3	3 1/2	2	1 1/4					
	" of miscellaneous materials	24	1 3/4	37	3 1/2	15	3/4					
	" red jasper	19	1	14	2 1/2	1	-					
	" clear and white agate	17	3/4	13	1	6	-					
	" longer than wide					3	1					
	" heavily pitted											
	" tiny chips	57	1/4	27	1/8	8	-					
	Flakes; edges worn or smoothed from use											
	" " unilaterally nicked											
	" (scrapers), unilateral retouch											
	Scrapers, small, double-edged											
	Manioc grater inserts?											
	Projectile points; whole											
	" " fragmentary					1	1/4					
	Edge or axe fragments					1	-					
	" " " chips from											
	Grinding slabs, metates, fragmentary	2	-									
	" stones, manos			1	1 2 3/4							
	Pitted bits, same? stone as slabs											
	Hammerstones					1	-					
	Miscellaneous											
	Pieces of quartz and quartz crystals											
	Water worn pebbles, throwing stones?					1	1					
	Historical, modern											
Bones		137		101		40						

Catalogue Number		CL	53	54	55	56	57	58	59	60	61	Notes and Comments
			Count	Weight					I	I	S	
			lb	oz								
Pottery	Sherds: Total Count and Gross Weight	-	-	-	2	1/8	-	-	1	-	-	14 3 31 7 1/2 285 4 13 1/2
Stone	Gross Weight	-	1 9/2	1 0	0 2	0 2 1/4	0 2 3/4	0 3/4	1 10	1 8	4 13 1/4	
533	Pieces, natural stress fractures; discarded	43	11	35	9	19	2	21	1 3/4	10	1/2 71	15 102 1 11 1/4 118 2 4 3/4
	Minute pieces, natural stress fractures	20	1/2									34 1 58 2 1/4
	Cores: complete	1										1 2 1/2 1 1/2 4 3/4 4 1/2
	" fragments											
	Angular chunks and spalls	4	2 1/4		1	1 3/4			5	4 1/2	6 5 1/2 10	6
	" " of agate	4	3/4		1	1/2				(4)	1 4	1/2
	Flakes; largest of each lot	3	1 1/4	1	1 1/4				5	3 1/2	4 2	15 10 1/2
	" of miscellaneous materials	32	3	12	1	3	1	4 1/4	(16)	1 25	3 54	5 1/4
	" red jasper	32	3 1/4	9	3 1/4	3	-	5 1/4	5	1/4 6	3 1/4 47	4
	" clear and white agate	24	1 1/4	1	-	1	-	2	-	7 1/2	19 1 1/2 19	1
	" longer than wide										3	3/4
	" heavily patinated	1	-	1								
	" tiny chips	23	-			2	-	4	-	4	-	(13) - (19) 1/4 11
	Flakes; edges worn & smoothed from use											
	" " unilaterally nicked											
	" (scrapers) unilateral retouch											
	Scrapers, small, double-edged							1	-	1	-	
	Manioc grater inserts?											
	Projectile points, whole											
	" " fragmentary											
	Edge or are fragments								1?	-	1	-
	" " chips from											
	Grinding slabs, metates, fragmentary										2	10 3/4
	" stones, manos										2	11 3/4
	Patinated like same? stone as slabs											
	Hammerstones											
	Miscellaneous											
	Pieces of quartz and quartz crystals	1	-									
	Water worn pebbles; "throwing stones"			1						1	1 1/4	
	Historical, modern											
Bones		126		24	3	8	13	7	53	149	169	4886
Shells										852		

No. 53: very small core?? of yellow jasper.
 (2 thick flakes
 12 chunks of coarse granular stone)
 No. 60: discarded
 No. 55: discarded

No. 56-57: discarded
 No. 56-57: "

No. 53: 9 of agate
 No. 56-57: discarded
 No. 59: 5 of agate No. 60: 9 of agate

No. 61: 2 other very small chips, possibly from manos

No. 54: 1 end section of cobblestone? (sandstone?)

Catalogue Number		CL	62	63	64	65	66	67	68	69	70	Notes and Comments								
Pottery	Shards: Total Count and Gross Weight	Count	Weight	Count	Weight	Count	Weight	Count	Weight	Count	Weight									
Stone	Gross Weight	lb	oz.	lb	oz.	lb	oz.	lb	oz.	lb	oz.									
2180	Pieces, natural stress fractures, discarded	112	1 17 1/2	52	9 3/4	72	1 1	111	1 7 1/4	263	6 3/4	335	3 8 1/4	605	9 3/4	112	15 1/2	186	1 9	
	Minute pieces, natural & heat fractures	99	3 1/2			39	1			51	3/4	49	1	96	2 1/2					
	Cones, complete	1	2	2	1/2	1	1	9	2 1/2	4	5	2	3	3	4 1/2					
	fragments	4	4 1/2	4	1/2	9	3 1/2			9	6 3/4	6	6 1/2	9	8 1/4					
	Angular chunks and spalls	15	6 1/2	23	8 1/2	30	8 1/2	47	1 2 1/2	66	1 8	68	8 1/2	96	1 15 1/4		5	3 1/2		
	" " of agate	1	1 3/4	1	1	8				31	7	16	2 3/4	1			2			
	Flakes: largest of each lot	7	4	34	11	24	12	60	1 9 1/2	59	1 7 1/4	44	15	42	15 1/2	8	2 1/2	3	1 1/2	
	" of miscellaneous materials	79	10	54	2 1/2	69	4 1/2	230	13	135	6 3/4	126	7 1/2	311	1 6 3/4	14	1	56	3 3/4	
	" red jasper	46	5 1/2	41	2 1/2	45	2 1/2	83	5 1/2	122	7	166	9 3/4	213	15 1/4	3	-	20	1 1/4	
	" clear and white agate	31	2 1/2	52	3	98	4 1/4	189	9 3/4	225	10			4	-	18	1/2	20	1	
	" longer than wide	12	8	2	-	24	3	13	1 1/4	20	2 1/2	16	2	24	2		1	1/8		
	" heavily patinated	1	-			1	3 1/2	6	1 1/4	2	4	6	2 1/4							
	" tiny chips	45	3/8	19	1/8	46	3/8	105	1	92	1 1/2	74	1/2	87	5/8					
	Flakes: cores worn & smoothed from use	3	1	1	-	2	-			6	2 1/2	8	2	6	2 1/2					
	" " unilaterally nicked	3	3 3/4	1	-	1	1 1/2			2	3/8	2	1/4	3	1/4					
	" (scrapers) unilaterally retouched					1	-			1	1/8	3	3/4							
	Scrapers, small, double-edged					1	-													
	Marrow grater inserts?	1																		
	Projectile points, white	1	-			1	-	2	-	4	-	4	2 1/2	1	3/4					
	" " fragmentary							1	-	1	-			2						
Edge or core fragments																				
" " chips from																				
Grinding slabs, metates, fragmentary	5	-	8	-			1	-						1	7 1/4					
" stones, manes			1	10 1/4	1	-														
Patinated bits, same stone as slabs	9	-	3	-	10	1 1/4	6	1 3/4	5	-	8	-	1	2 1/4	2	-				
Hammerstones																				
Miscellaneous																				
Pieces of quartz and quartz crystals				1	-	2	-	1	-	8	3/8	2	-			3	1/8			
Waterworn pebbles, limonite stones?	3	9 1/4						1	-	1	-	1	-	3	-					
Hotterred, modern																				
Bones		264		216	-	324		244		292		554		898		49		114		
Shells																				

Catalogue Number		CL	71 Count Weight lb oz	72 9 1/2	73 11 1/4	74 X	75 11 1/4	76 V	77 V	78 V	79 VI	Notes - Comments
Pottery	Sherds: Total Count + Gross Weight	162	1 13 1/4	102 1 1 3/4	11 2 1/4	76 1 5 1/4	2 - 1 - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
Stone	Gross Weight		6 5 1/2	7 2 3/4	8 15	4 12 3/4	11 15	21 5 1/4	16 5	16 0	19 14	
5973	Pieces, natural stress fractures; discarded	217	3 0	284 4 1 1/2	288 4 8	189 2 10 1/2	410 7 3 1/4	549 15 10 1/2	629 10 2 1/2	1007 11 7 3/4	998 13 3	
	Minute pieces, natural & heat fractures	39	1	49 2	74 3 3/4	43 2	101 2	301 6 1/2	315 1 1/4	179 3	296 8	
	Cores, complete	1	2 1/4	1 1	3 1 1/2	1 3 1/4	3 9	5 12 3/4	1 2 1/2	1 7 1/4	6 1 1 1/4	
	fragments	2	1		5 7 1/4			4 3 3/4	2 2 1/4	2 6 1/8	5 5 1/2	
	Angular chunks and spalls	7	5 1/4	5 5 1/2	13 1 3/4		16 11	26 10 1/2	27 13 3/4	14 8 1/2	21 1 0	
	" " of agate	1	-	24 7 1/2	13 3 1/4	6 2 1/4	24 4 1/4	33 6 1/4	7 1 1/2			
	Slakes: largest of each lot	7	4 1/4	7 5 1/2	5 2 1/4	5 5	15 10	7 11 1/4	13 10 3/4	6 7 1/4	12 15	No. 74 (as 80) - with thin edges have fresh breakage during excavation
	" of miscellaneous materials	86	10 1/2	96 10 3/4	65 9 3/4	40 6	123 12 1/2	175 1 6	170 1 4	191 1 1	187 1 3	
	" red jasper	33	3 3/4	47 5 3/4	30 4 1/4	28 3 1/4	88 9	94 8	111 9	122 7	93 7	
	" clear and white agate	48	3	57 3 1/2	61 3	36 2 1/2	73 4	88 3	23 1/2	1 1/8		No. 79 see "Tiny chips"
	" longer than wide	3	1/2		3 1		7 1/4	13 1 1/2	6 1 1/4	7 1/4	5 2	No. 74: chunk
	" heavily patinated			1 1/4	1 1/4	1 -	3 1 1/2		1 3/4	1 -	2 1	No. 77: 22 agate, 26 red jasper
	" tiny chips	24	-	29 -	19 -	5 -	65 2/3	146 1/2	179 1/2	1 61	1/4 64 5/8	No. 75: 42 agate, 23 mixed
	Slakes: edges worn or smoothed from use	1	-	2 1/4	1 1/4		1 -	8 2		3 3/4	2 1/4	No. 72: most chips of agate
	" unilaterally nicked			1 1/4	4 1/4		4 5 1/4	7 1 1/4		3 1/4		No. 71: one agate - 6 1/2 75: 1 agate
	" (scrapers) unilateral retouch			1 1/4	1 1/4		4 -	1 -		1?	1/4	No. 75 all laterally nicked
	Scrapers, small, double-edged			1 1/4	1 1/4		1 1/4	6 1/4	1/8			No. 75 One may be base of point
	Manioc grater inserts?			1 1/4	2 1/4		3 -	4 1 1/4				No. 76 Two of quartz
	Projectile points, whole											
	" " fragmentary	1	-									
	Adze or axe fragments							1 -			2 1/2	
	" " " chips from											
	Grinding slabs, metates, fragmentary	2	3									
	" " stones, manos											
	Patinated bits, same? stone as slabs	12	3	5 1	3 3	1 -	9 1 1/4	2 -	1 1/2	1 -	3 1 1/2	37 3
	Hammerstones	1	4		1 2			1 1/2				No. 73: fragment of hammer, with partial lateral surface
	Miscellaneous											
	Pieces of quartz and quartz crystals				1		1 -					No. 76: discarded
	Water worn pebbles, throwing stones?	1	2 1/4		2		1 5 1/4	1 1/4				No. 74: section of eddite, some stone metates
	Historical, modern											
Bones		229		278	237	124	440	621 V	442	413	403	3184
Shells					232							3183

Catalogue Number

Catalogue Number	CL	80	81	82A	82B	83	84	85	86	87	Notes-Comments	
		Count Weight lb. oz.	V	V	V							
Pottery	Shards: Total Count + Gross Weight	-	-	-	-	-	-	2	-	-	3	-
Stone	Gross Weight	19 8	7 12	-	14 10 8	-	1 3/4	7 3/4	9 3/4	4 1/4	-	-
2652	Pieces, natural stress fractures; discarded	872 13 14	522 5 12 1/2	390	6 1/2	-	-	9 3	-	13 2 3/4	-	-
	Minute pieces, natural to heat fractures "	233 4 3/4	203 4 1/2	40 1/2 11 1/2	1 +	-	-	-	-	11	-	No 82B-discard.
	Bones, complete	(9) 2 12	-	2 3	1 1 1/4	-	-	-	1 5 1/4	-	-	-
	fragments	(7) 9 2	1 1/4 3	1	6 2 1/2	-	-	-	-	-	-	-
	Angular chunks and spalls	10 7 3/4	11 10 1/4	3 3/4	24 1 10	-	-	2 3 1/2	1 1/4	-	-	No. 85 red jasper
	" " of agate	-	-	-	-	-	-	-	-	-	-	-
	Flakes, largest of each lot	(5) 2 3/4	7 5 1/4	2 3/4	6 4 1/4	-	1 -	2 3/4	1 1 3/4	-	-	-
	" of miscellaneous materials	136 14 59	4 3/4 46	2	115 11 1/2	-	1 -	-	6 3/4	5 1/2	-	-
	" red jasper	31 2 1/2	25 1 1/2	20 3/4	25 2 1/4	-	-	-	-	2	-	-
	" clear and white agate	-	1 -	-	-	-	-	-	-	-	-	-
	" longer than wide	(3) 1/4	3 3/4	1 -	5 1	-	-	-	-	-	-	-
	" heavily patinated	(3) 1/4	-	1 -	-	-	-	-	-	-	-	-
	" tiny chips	44 -	30 3/8	44 3/8	42 1/4	-	-	-	2 -	8 -	-	No 86: 1 of agate No. 80: 16: red jasper - no agate
	Flakes edges worn or smoothed from use	(2) 1/2	2 1/2	-	1 1/4	-	-	-	-	-	-	-
	" " unilaterally nicked	(2) 1/4	-	1 -	2 1/2	-	-	-	-	-	-	No. 82B: broken No. 81: small
	" (scrapers), unilateral retouch	(1) -	1 -	1 -	1 -	-	-	-	-	-	-	-
	Scrapers, small, double-edged	-	-	-	-	-	-	-	-	-	-	-
	Mammie grater inserts?	-	-	-	-	-	-	-	-	-	-	-
	Projective points, whole	(12) -	-	-	-	-	-	-	-	-	-	-
	" " fragmentary	-	-	-	-	-	-	-	-	-	-	-
	Edge or axe fragments	-	-	-	-	-	-	-	-	-	-	-
	" " " chips from	-	-	-	-	-	-	-	-	-	-	-
	Grinding slabs, metates; fragmentary	-	-	-	-	-	-	-	-	-	-	-
	" stones, manos	-	-	-	-	-	-	-	-	-	-	-
	Patinated bits, same? stone as slabs	-	2	-	1 1 1/4	-	-	-	-	-	-	-
	Hammertones	-	-	-	-	-	-	-	-	-	-	-
	Miscellaneous	-	-	-	-	-	-	-	-	-	-	-
	Pieces of quartz and quartz crystals	-	-	-	-	-	-	-	-	-	-	-
	Waterworn pebbles; throwing stones?	-	-	-	-	-	-	-	-	-	-	-
	Historical, modern	-	-	-	-	-	-	-	-	-	-	-
Bones		254	143	124	229		1	5	12	18	788	
Shells					260 225		3					

5 1/2 x 2 1/2 cm x 1.6 cm
No. 86: possible pendant hammer

[illegible]

Catalogue Number

97

98

Totals

Pottery
Stone

Sherds: Total Count - Gross Weight

Gross Weight

13 4

3808

198

Pieces, natural stress fractures - discolored
Minute pieces, natural or heat fractures - dis.
Cores, complete

135 2 3

63 2

2 2

1 $\frac{3}{4}$

Angular chunks and spalls
" " agate

9 5

8 2

Flakes, largest of each lot

8 $8\frac{1}{4}$

501

" of miscellaneous materials

48 7

1206

" red jasper

62 $6\frac{3}{4}$

2654

" clear and white agate

32 $1\frac{3}{4}$

" longer than wide

" heavily patinated

" tiny chips

30 $\frac{1}{8}$

Flakes, edges worn or smoothed from use

" " unilaterally nicked

2 $\frac{1}{8}$

" (scrapers) unilateral retouch

Scrapers, small, double-edge

Manioc grater inserts?

Projectile points, complete

" " fragments

Adze or axe fragments

" " " chips from

1 $\frac{1}{2}$

Grinding slabs, metates, fragmentary

" stones manos

3 8

Patinated kits, same? stone as slabs

Hammer stones

Miscellaneous

Pieces of quartz & quartz crystals

Water worn pebbles; throwing stones?

Historical, modern

1

1

Bones
Shells

3610

207

No 78 - all body sherds - discarded

No 98. $1\frac{3}{8}$ oz, $5\frac{1}{8}$ oz.

No 98. discarded

→ 29 ≠ 34

No. 98: complete

No. 98. 2 are very small chips (good examples)

No. 98. Piece of bottle glass; made in Pennsylvania? PA. edge

No. 98. upper