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PVN-005-Urban-Field Notes-1979

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4 April 1979

Dueno: Jose ___ Alvarez

new chicken houses on N bank of R. San Bartolo about where river has water again

Sitio Los Pollos # ~~190~~ 192 - c. 170 m W of chicken houses

	Point		Remarks		Dist
1	Str. 1	NE corner	c. 40 cm	S 9°45' E	1.45
2		NW		S 78°45' W	5.70
3		SW		S 38°15' W	10.20
4		saddle junct	saddle c. 10-15 cm	S 20°15' W	9.10
5	Str. 2	saddle junct		S 12°45' W	10.50
6		NE / also SE of Str. 1 - corner junct		S 1° W	8.10
7		SE	c. 70 cm	S 19° E	12.40
8		SW appr or		S 10 45' E	16.20
9	Str. 3	NW	steep ron E than W	S 27°30' E	12.00
10		NE	c. 40 cm on E	S 51°15' E	14.30
11		SE		S 31° E	18.30
12	Str. 4	SW corner	c. 50 W	S 61°30' E	12.20
13		SE	c. 40 E - 40-55	S 73° E	6.70
14		NE	c. 40 N	N 86° E	14.90
15	Str. 5	SE	on NE corner c. 90-100 cm	N 75° E	7.50
16		SW	SW corner c. 50-60	N 61°30' E	1.70
17		NW		N 40° W	5.20

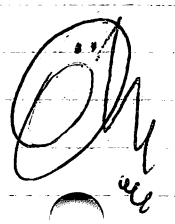
18 cover - scrubby grass & bushes; next field to W in manta
19 site on low rise - higher than rest of field
20 rise not more than 1.0 m
to N land slopes down 1-2 m to possible old stream course c. 40 m away; course is not deeply marked
land rises gradually to W along course of R. San Bart
along both sides small streams to N are pics of cobbles - may have had more str. have mounds - earth & cobble, some stones as large as .5 m
no sherds visible even where stones have been pulled from str.s
c. 50 m S to River

4 April 1979

to SW of site is a dip between it & R. San Bartolo
dip runn W NW
after this site, crossed to S side river, walked cattle path to

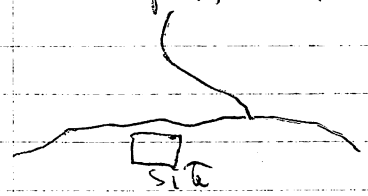
Left R. San Bartolo, traveling S51° E along road which is probably the road to/near Cofradia to the E end of Jose Antonio Paz
road comes to w/i 70 m of Rio San Bartolo

Actually
~~#~~ Possible group - field has many stones, but we found only 2 sherds, both small; "mounds" in sandy-red field in road worn
There are 3 piles of stones & 1 c. 1.5 m high, looks very "raw" - the earth is fairly fresh & uneroded looking; there is 1 small pile of rocks very linear EW, & only c. 1 m wide ~~N-S~~, & c. 40 cm high; the third pile looks more "real" - earth well-packed around stones, the whole once rounded, & looking roughly square in plan, c. 2 - 2.5 m on a side; area of stones 25x25 m
An informant reports that these were mounds but have been plowed.
Actually this is the group we found last year after working our way eastward from El Terrero - commando - the last group located that day, #



5 April 1979

#193 El Agria - on S bank of Quebrada Agria, c. 35m from bank (lower terrace), and c. 100-110 m from split in quebradas; located on edge of 2nd (higher) terrace; 4 mounds in a rough plaza arrangement



#	Point	Remarks		∠	DIST
1	Str. 1	NW corner	0.75m high	S 20° 15' W	7.10
2		SW		S 10° W	11.40
3		SE		S 20° 30' E	11.0
4	Str. 2	SE	0.40 m	S 69° W	8.20
5		SW		S 71° 30' W	12.30
6		NE		N 74° 45' W	9.20
7	Str. 3	SW	1.40 m	N 47° 15' W	8.50
8		SE		N 70° 45' W	6.00
9		NE of Terrace		N 4° W	12.20
10	Terrace edge			N 51° 15' W	13.90
11	Str. 4	NW	1.10-1.20 high	N 48° 30' E	7.40
12		SW		S 73° 45' E	6.00
13		SE TTP ①		S 82° 30' E	12.80
14	Terrace	fr Sta △		N 51° 30' E	24.10
15	Sta ②	to TP ①		S 71° W	18.30
16	Str. 5	SW	0.20 m high	S 10° W	6.10
17		NW		S 23° W	3.50
18		NE		S 50° 15' E	4.00
19	Str. 6	SW	0.20 m high S	N 31° 45' W	5.40
20		NW	0.40 N	N 23° 30' W	10.70
21		NE		N 60 W	10.50
22	Terrace	edge		N 73° E	30.30

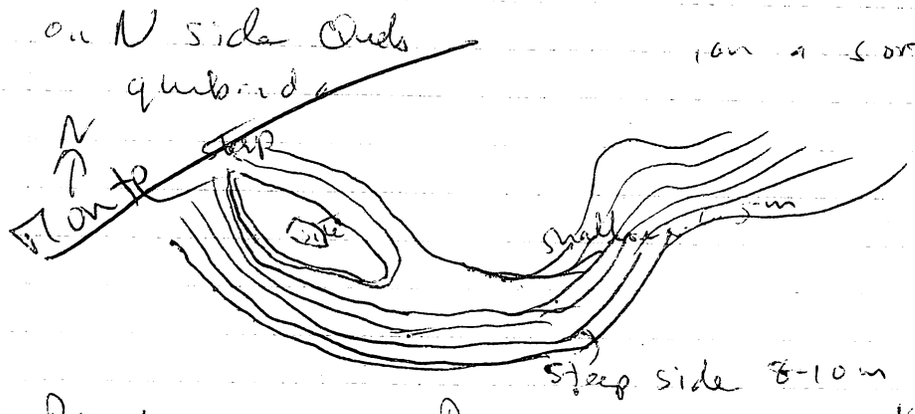
35
10
0
21

5 April
1979

N 79-5-4

Don

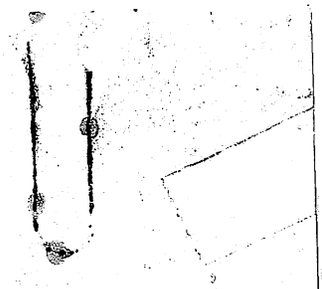
194 La Isla



on a sort of island in the
547°E to edge chicken
NW of chicken
to Pigs 84° W
S 74° to
site El Agria # 193
300 - 350 m to site

#	Point	Remarks		✓ Dist
1	Str. 1 SW corner	0.30-.4 m high	1 N 89° 45' W	✓ 18.80
2	SE		2 N 89° 45' W	✓ 14.80
3	NE		3 N 72° 45' W	✓ 16.30
4	Isl. edge		4 N 55° W	✓ 20.90
5	Str. 2 NW	0.20-.30 m	5 N 41° 15' W	✓ 9.00
6	SW		6 N 49° 30' W	✓ 8.70
7	SE		7 N 40° W	✓ 4.90
8	Island edge		8 N 56° 45' E	✓ 10.60
9	" edge		9 S 87° E	✓ 20.00
10	Str. 3 NE	0.30 m	10 S 71° 30' E	✓ 15.30
11	NW		11 S 65° E	✓ 10.30
12	SW		12 S 49° E	✓ 11.50
13	Island edge		13 S 6° E	✓ 14.70
14	Str. 4 SE	1.00-1.10 E	14 S 37° W	✓ 8.80
15	SW		15 S 45° 15' W	✓ 9.50
16	NW		16 S 76° W	✓ 11.00
17	Island edge		17 S 55° W	✓ 20.40
18	"		18 N 85° 15' W	✓ 24.56

235 50/150

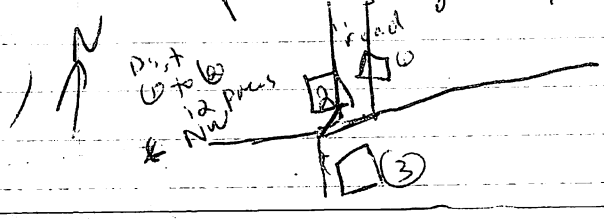


#195

N79-5-4

Britton

c. 200 m N of the island 3 mounds in poor shape, at fence intersection, mostly in very bad shape



① c. 1.10 high, az = N 50° W 8 x 5 paces

② c. 1.10 high N 23° E 8 x 5 paces

5 April 1979

N79-5-5

top

#195 continued

c. 120 m

at N 20° E of #195 3 more mounds, consisting

① N 6° W 5 x 5 paces .50 m high

5 paces to ② at az N 62° E

② 6 paces x 5 paces; .40 m high

③ to immediate S of ② c. 2 m - 3 x 4 paces; az N 45° E

.20 m high

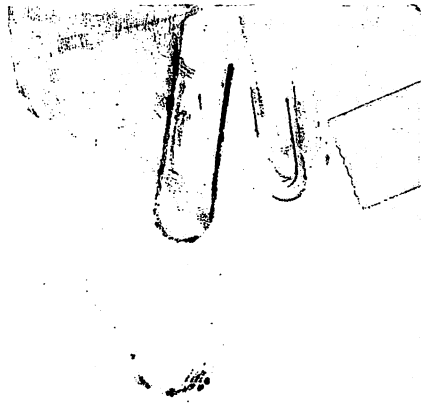
25
120
50
5
2
30
0

#196 N 79-5-5
Bottom

NNE of last grp c. 200 m
between small queb. & N branch Q. Agric
c. 35 m to small queb, & 40 m to N branch
c. 200 m N to hills
To E is group of modern houses

Aigre?

1	Shr. 1	SE	1.20 high	N 79° 30' E	5.50
2		SW		N 19° W	5.10
3		NW		N 3° E	12.20
4	Shr. 2	NE	c. 0.30 m	N 28° 30' W	4.80
5		SE		S 86° 15' W	2.50
6		SW		due W	7.50
7	Shr. 3	SW	1.10 high	S 15° W	8.10
8		NW		S 41° E	3.40
9		NE		S 51° 45' E	11.50



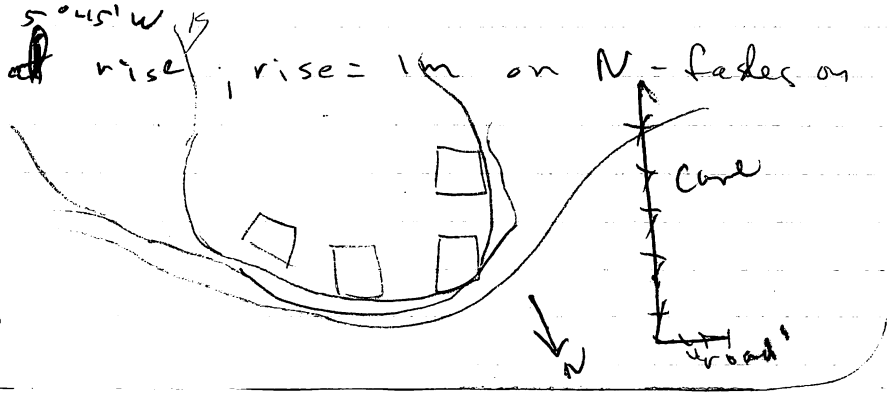
#197 Cano Dulce

N79-5-6 Bottom

in potrero to east of sugar cane – c. 4-5 mound, on 2nd terrace above R. Naco – c. 100 m to Naco

#	Point		Remarks			Dist
1	Str 1	SE	c. 70 cm high	1	N 44° E	22.70
2		SW		2	N 29° 30' E	11.60
3		NW		3	N 8° 45' E	15.40
4	Fence around cane field - corner			4	N 48° W	14.80
5	Fence point			5	S 78° 30' W	25.50
6	Str. 2	NW	corner 20 cm on W	6	S 38° 45' W	21.80
7		NE	on edge	7	S 33° 15' W	18.80
8		SE		8	S 29° 30' W	23.60
9	Str 3	NW	c. 15 cm	9	S 21° 45' W	24.80
10		NE	on edge rise	10	S 14° 15' W	21.50
11		SW		11	S 12° W	27.60
12	Str 4	SE	c. 10 cm	12	S 43° W	24.50
13		NW		13	S 50° 15' W	24.90
14		SW		14	S 45° W	27.90
15	Str. 5	NW	on edge rise c. 20 cm	15	S 38° 45' W	30.50
16		NE		14	S 34° 30' W	27.80
17		SE		17	S 22° 15' W	29.60
18	base rise		25.60 S 30° 15' W	18		
19	base rise		20.50 S 5° 45' W	19		

Strs. 2-5 on natural rise, rise = 1m on N - fades on SW



cover - medium to med high grass - high in clumps all drying, but not dried out

70 30
210

620
460

N79-5- 6

Top

9 April
1979

Walking South Side R Waco

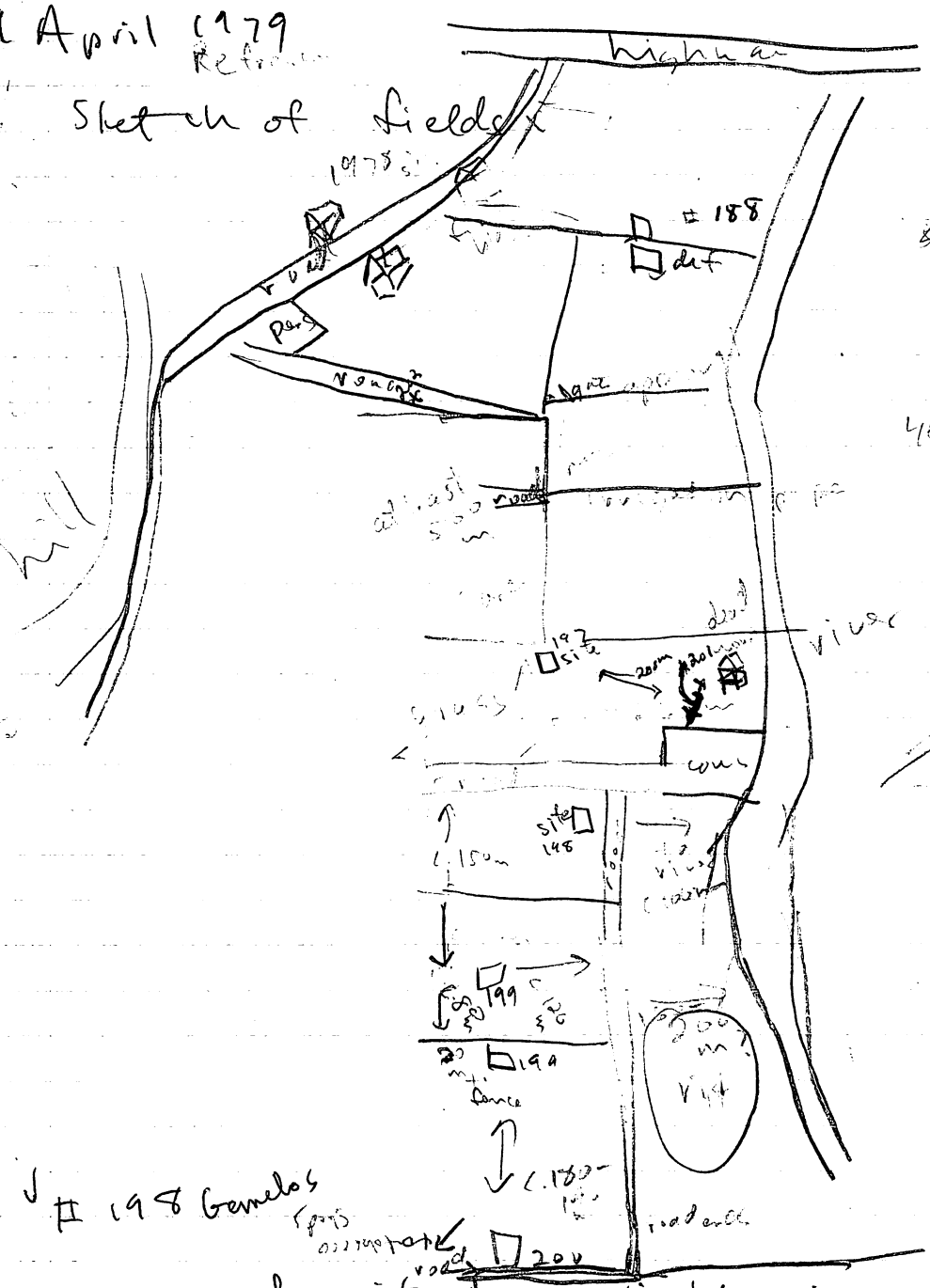
J

[illegible] at Cemetery of 1st potrero 1 possible mound .30-40 [illegible] c. [illegible] m E of Cemetery 1 definite mnd 4x4 paces high
[illegible] az. c. S 36° W, composed of cobbles; no shard
188 poss. mnd is quite amorphous and not very convincing

N79-5-7

9 April 1979
Refined

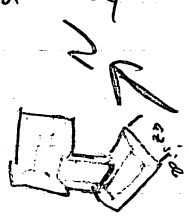
Sketch of field



198 Gamelos

2 mound site on slight rise, apparent natural levee
① 70-80 cm high, az S 10° E 7 paces E-W x 7 N-S w/ much stone
all cobbles
② 60 cm high, az = N 05° E; 5.5 paces E-W x 7 N-S, long axis short side
③ connector S 50° E 4-5 paces long 3.5 wide

connected by low terrace or saddle, c. 10-15 cm



9 April 1979

#199 Garaptas
c. 300 mt Rio Nal
3 mnds ; wobbles on earth

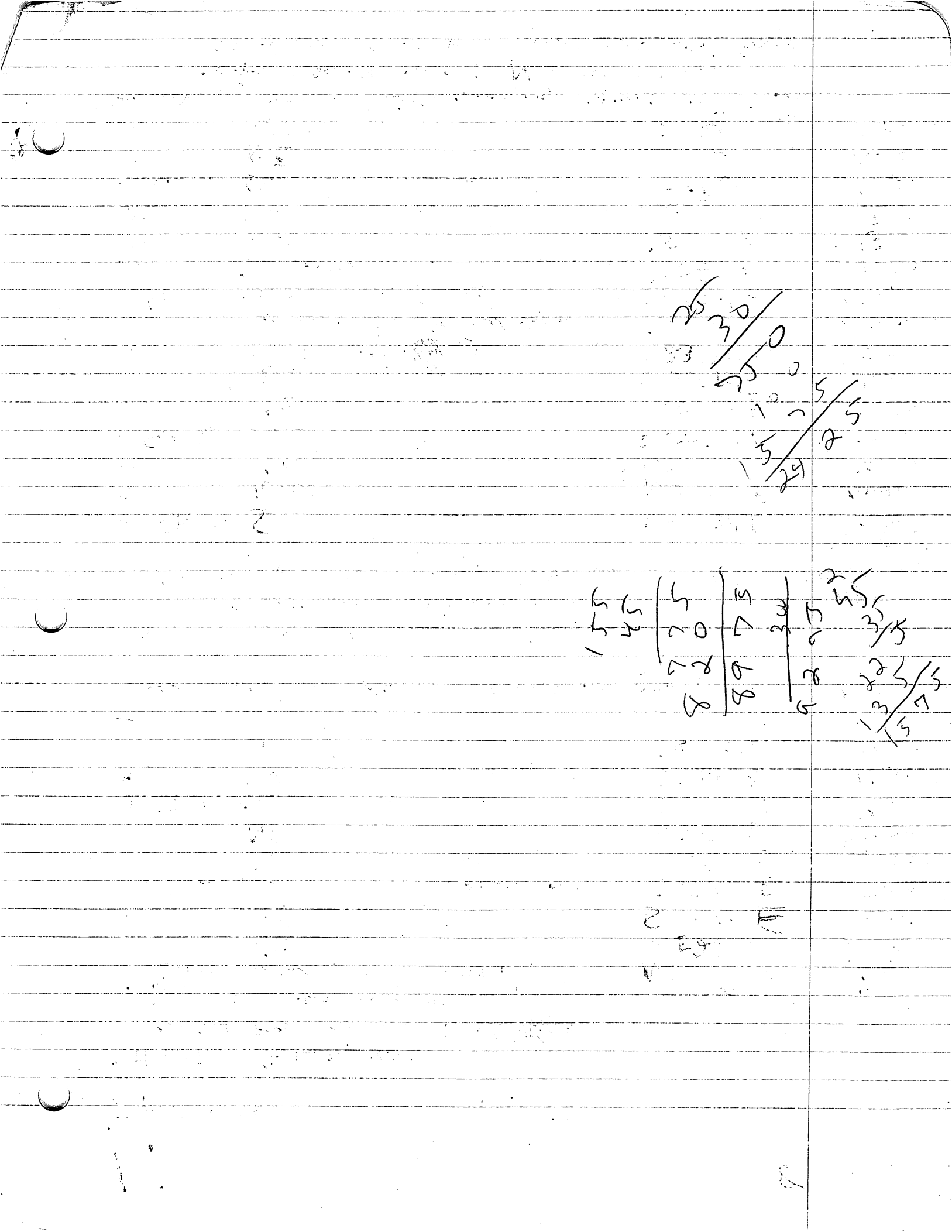
Point			REMARKS		DIST
1	Str. 1	NW	c. 75 cm	1 N 36° 15' W	4.30
2		SW		2 S 52° W	4.50
3		SE		3 S 45° 45' E	5.50
4	Str. 2	NW	c. 20 cm on N	3 S 16° 15' E	7.40
5		SW	40 on S	5 S 16° 15' E	11.30
6		NE		6 S 36° E	8.00
7	Str 3	NW	35-40 cm	7 S 82° 30' E	9.50
8		SW		8 S 76° E	15.20
9		SE		9 S 82° 15' E	18.00

over medium dense scrub & grass, about half dried out

#199 continued
c. 100 mt to road fence & rise
az to previous group N 80° W dist c. 100 m

11	Str. 4	SW	1 m	1 N 43° 30' E	3.40
12		NW		2 N 20° 45' E	10.20
13		SE		3 N 64° 15' E	12.10
14	Str. 5	NE	.5 m	4 S 55° 15' E	15.70
15		SE		5 S 54° 45' E	17.76
16		NW		6 S 26° 15' E	11.40
17		jnct saddle N side		7 S 23° 45' E	12.80
18		jnct saddle & SW corner		8 S 23° 45' E	17.00
19	Str. 6	saddle jnct S side		9 S 17° 30' E	17.20
20		SE corner	.5 m high	10 S 18° 45' E	18.40
21		SW		11 S 5° 45' E	18.20
22		NW		12 due S	14.40
23	Str. 7	SW	.10 m	13 S 17° W	14.26
24		SE		14 S 9° W	12.00
25		NE		15 S 20° W	9.80

26 Str. 8 20 cm high rounded square 4 X 3 faces on az below
az from str. 4 W end N 3° W to str. 8
az of str. N 88° E c. 25-28 mt to Str. 4



9 April 1979

N-79-5-9

#200 Insectos

c. 180 m SE of #199 ; 15 m W of N-S road
c. 80 m S of EW road

2 fields more to Lasequia 1 SE

tobacco sheds clearly visible c 1/2 - km az S 30° E to E side

built on nat rise in half circle 1 facing into a small depression

		Remarks	∠	✓	Dist
1	Str. 1 SE corner	terr. 50 on N side	1 S 160° W	✓	15.30
2	NE corner		2 S 90° W	✓	10.70
3	NW contour		3 S 250° W	✓	10.00
4	contour base		4 S 32° 15' W	✓	8.00
5	Str. 2 SE corner	1.30 on E	5 S 70° W	✓	11.60
6	NE ø contour	.30 on W	6 S 84° W	✓	4.80
7	NW corner ø contour		7 N 60° W	✓	9.90
8	contour		8 N 41° 15' W	✓	11.40
9	Str. 3 contour - NW corner	no attitude on W c. 30 cm S	9 N 23° 15' W	✓	13.40
10	SW	contour also c. 30 cm	10 N 2° W	✓	10.10
11	SE		11 N 10° W	✓	8.80
12	Str. 4 NW	no contour any more	12 N 140° E	✓	10.40
13	SW	1 m high on W	13 N 34° E	✓	3.30
14	SE	less on E	14 N 81° 15' E		8.20

2
35
40
1400

COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION
WILLIAM PENN MEMORIAL MUSEUM AND ARCHIVES BUILDING
BOX 1026
HARRISBURG, PENNSYLVANIA 17108

March 21, 1972

Mr. Edward Schortman
Ivy Hall Apts., Apt. H-2
400 Wollasten Avenue
Newark, Del., 19711

Dear Mr. Schortman:

The excavation at Valley Forge is scheduled to begin early in April and your labour is needed for a week. The primary objective is the search for hut sites which might lie under a proposed parking lot. A crew of six to eight individuals will be utilized during the first week of April and if needed a lesser number will be employed during the following weeks.

The following terms can be offered:

1. Your status is that of an archaeological consultant and a sum of $50.00 per week will be paid to you for your participation in the project.

2. Arrive on Sunday, 2 April, in the evening or early Monday, 3 April, and plan on working until the following weekend.

3. Housing will be provided in an unused railway station; however, you will have to provide bedding and it might be wise to bring an air mattress or cot.

4. All meals will be provided.

If you are available please confirm by return mail. The railway station where we will be quartered is near Washington's headquarters, in the park. The site of the excavations is along outerline drive.

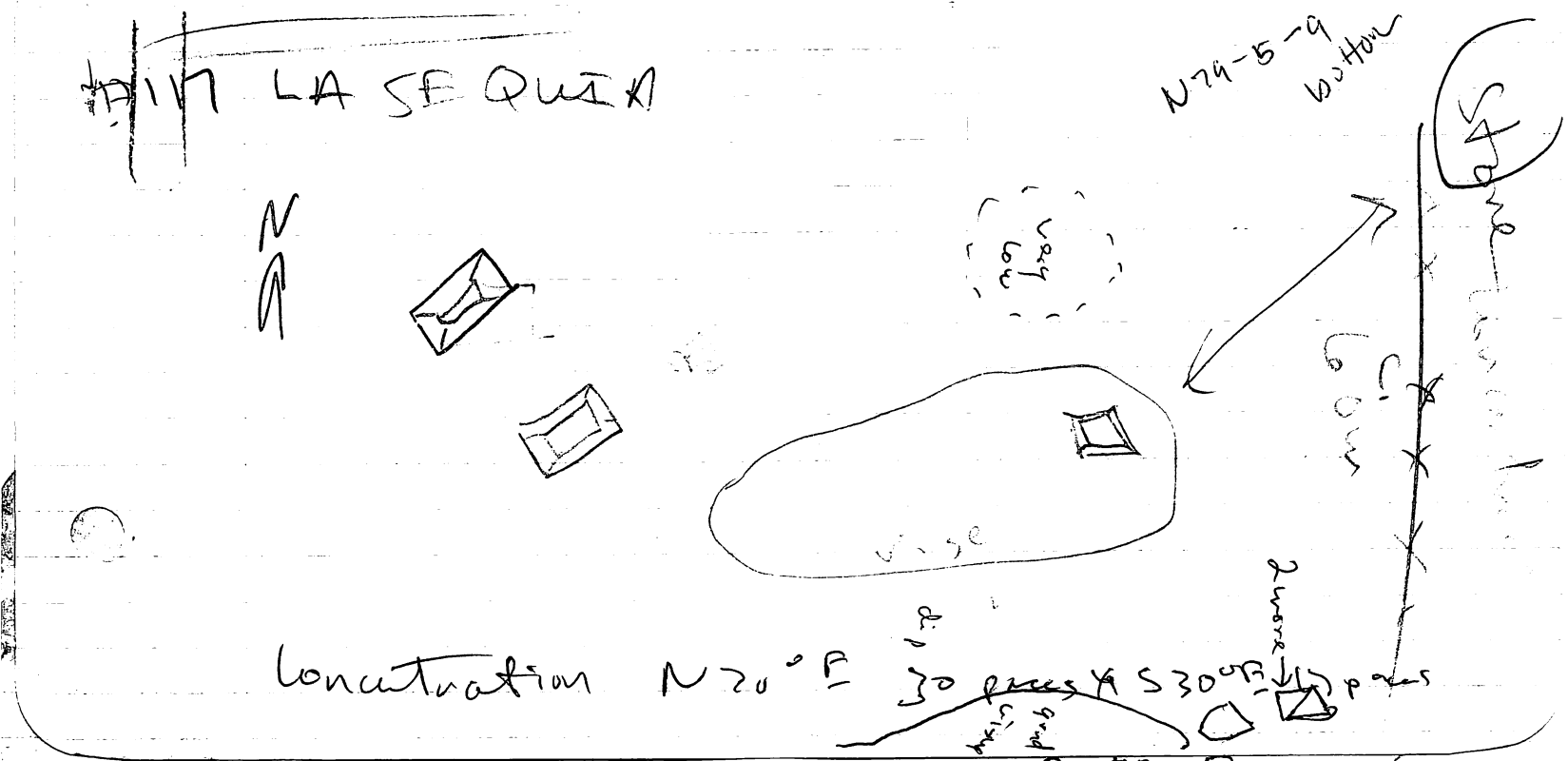
Sincerely,

Vance Packard

Vance Packard
Associate Curator of Anthropology
WILLIAM PENN MEMORIAL MUSEUM

VP:mc

#17 LA SE QUIN



2		NE		2 S 19° E	19.10
3		NW		3 S 1° E	20.00
4	Str. 2	SE	.50-.60 m	4 S 140 30' W	12.00
5		NE		5 S 34° W	9.60
6		NW		6 S 40° 15' W	14.80
7	Str. 3	SW	on rise - str. .25cm	7 N 87° 45' E	11.00
8		SE	rise 2 m on E + S	8 N 88° 15' E	16.80
9		NW	shallower NW	9 N 66° 15' E	13.00
10	Sta A to TP ①			10 N 28° W	30.50
11	Sta A to TP ①			S 6° 45' W	18.50
12	Str. 4	SW		1 S 7° E	14.50
13		SE		2 S 30° E	14.70
14		NE		3 S 47° 30' E	9.40
15	Str. 5	NE		4 S 57° W	4.50
16		SE		5 S 34° 30' W	6.00
18		SW		6 S 41° 30' W	6.70
18	Str. 6	SE	up higher on higher ground	7 S 42° 45' W	9.10
19		SW	E side .80 cm	8 S 55° 45' W	13.70
20		NE	40 m on W	9 S 71° 45' W	6.70
21	Str. 7	SW	1.50 high	10 N 26° W	8.90
22		SE		11 N 46° E	7.40
23				12 N 30° 15' E	16.00

1.200 m to river
over-medium high grass
next field plowed + w to tobacco sheds c. 12 m
92 SE + leached

COMMONWEALTH OF PENNSYLVANIA
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Sincerely,

Vance Packard

Vance Packard
Associate Curator of Anthropology
WILLIAM PENN MEMORIAL MUSEUM

VP:mc

201
and
202

N79-5-10 bottom

Lot: 1 A|1 for/ plowed field E of unmapped sfrs. 4'
at road paralleling R. Naco, N of #199 - N 20 W

#201
250 paces [EMS] ESE of NE corner of cane field N79-5-10 bottom
and site #197
lot 201A|1 sherds w/o any visible sfrs. near by

#202
194 paces [EMS] NNE of cattle pens
Lot 202A|1 in road on W side of cane, Garcia property
sherds & obsidian

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Vance Packard
Associate Curator of Anthropology
WILLIAM PENN MEMORIAL MUSEUM

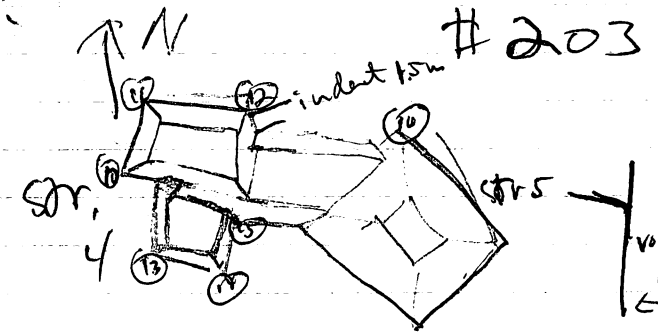
VP:mc

NBRT op-A-203

10 April 1979

11

SITIO JACOBO #203

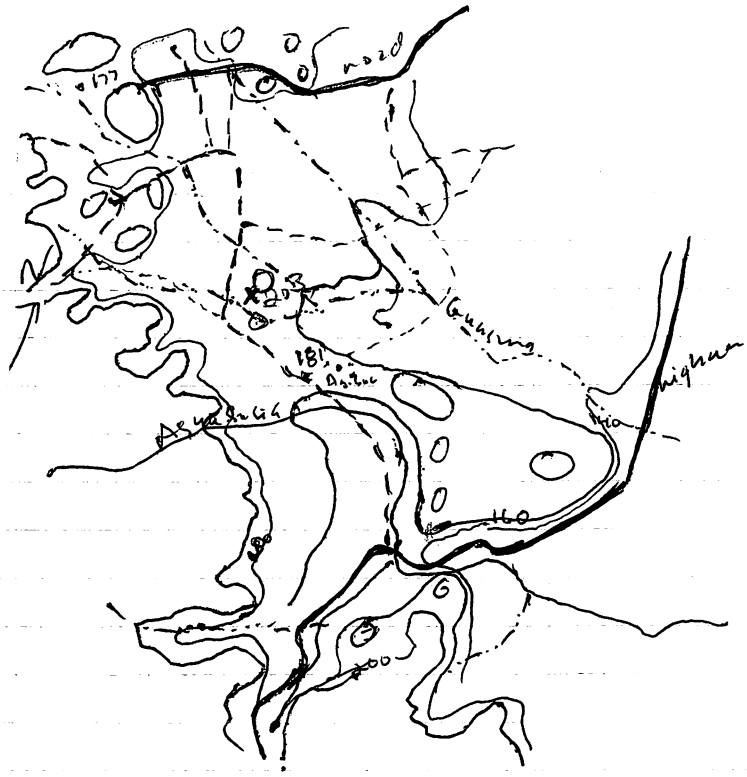


construction- chunks of limestone & marble

near some small branches of la Grasna 150 m E of road; branch to W is to N a little; in bond medium grass, scrub & cactus; many ticks; Gronzon slight mat. Live-dipons

	Point		Remarks		∠	Dist
Grp I	1 Str. 1 (w/sta A)	SW	.5m high	1	S 28° 15' W	6.50
	2	SE		2	S 13° E	6.70
	3	NW		3	N 82° W	3.20
	4 Str. 2 terrace (no elev. on W)	S	Sm corner	4	S 5° W	22.40
	5	S	.5m high E	5	S 55° 45' W	15.30
	6	NE		6	S 73° 15' W	14.80
	7 Str. 3	SE	W shallower	7	N 87° W	18.00
	8	SW	1.10+1.20 on E	8	N 82° 30' W	23.20
	9	NE		9	N 65° 45' W	15.50
	10 Str. 4	SW	main .70-80cm	10	N 33° 45' W	12.40
	11	NW		11	N 28° W	16.60
	12	NE		12	N 4° 45' W	16.80
	13	SW	projection .40m	13	N 49° 45' W	6.50
	14	SE		14	N 6° 15' E	4.50
	15	NE		15	N 5° E	8.80
	16 Str. 5	NW	2m to 2.20 on W	16	N 15° 45' E	19.00
	17	SW	2.5 on E	17	N 38° 30' E	9.40
	18	SE	TTP①	18	N 65° E	19.50
	19 Str. 6	NW	[South pts. on Quebr. edge]	19	S 12° 30' E	15.70
	20	SW		20	S 9° 30' E	19.80
	21	NE approx	.30 m high	21	S 39° 30' E	19.80
	22 Str. 7	NW	.20 m	22	S 49° E	17.30
	23	SW		23	S 44° 15' E	19.90
	24	SE approx		24	S 62° E	21.40
	25 ~~Str. 6~~	Sta ② to TP ①		25	S 14° 15' W	23.00
	30 Str. 8	SW	1-1.10 high	26	S 30° E	19.70
	31	NW		27	S 14° 45' E	9.70
	32	NE		28	S 42° E	12.00
	33 Str. 9	SE	.60 m	29	S 6° E	9.00
	34	NE		30	S 19° 30' E	5.20
	35	NW		31	S 50° 30' W	4.60

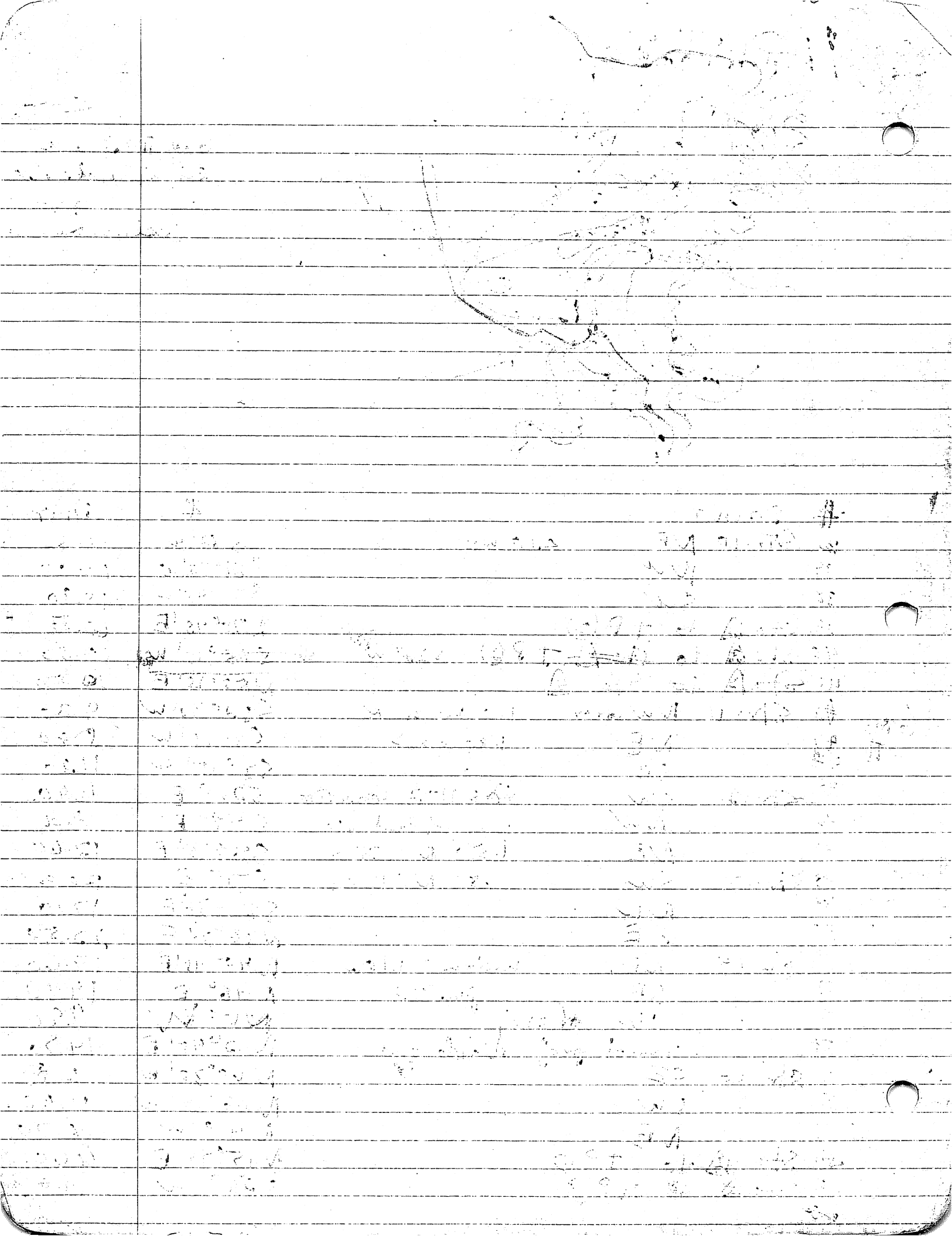
10 April 1976



Grp. II also on slight nat. ridge 300 – 500 m to Quels. La Grassa

#	Point				Dist
36	Str. 10	NE	2.10 m		
37		NW			
38		SW			
39	Sta (2) to TP (2)				
40	Sta (3) to ~~Sta (3)~~ TP (2)			S 22° W	
41	Sta (3) to Sta (4)				
Grp. II 42	Str. 11	NW corner	1.0 high N		
43		NE	1.30 on S		
44		SE			
45	Str. 12	SW	Strs 11 & 12 connected		
46		NW	w/ nat ridge		
47		NE	1.50 N 1.75 S		
48	Str. 13	SW	.8 c N; 1.10 S		
49		NW			
50		NE			
51	Str. 14	NE	main = 1.10 m		
52		SE	Prog. 40		
53		SW ~~at~~ proj			
54		~~nat proj~~ N side gap			
55	Str. 15	SE			
56		SW			
57		NE			
58	Sta (4) to TP (3)				
59	Sta (5) to TP 3				
~~60~~					

#	∠	Dist
32	S 83° W	8.80
33	S 89° 45' W	14.00
34	S 73° 45' W	15.90
35	N 30° 45' E	60.50
~~36~~	~~S 15° 15' W~~	~~30.50~~
	N 55° 15' E	10.50
1	S 52° 30' W	9.20
2	S 3° 15' W	5.90
3	S 3° 15' W	11.20
4	S 26° E	11.40
5	S 49° E	4.00
6	S 89° 30' E	12.60
7	S 7° E	20.00
8	S 83° 30' E	17.10
9	N 88° 30' E	22.50
10	N 40° 15' E	19.60
11	N 48° E	14.10
12	N 30° E	9.90
13	N 12° 45' E	14.70
14	N 60° 30' W	6.80
15	N 78° 15' W	11.90
16	N 41° W	8.70
17	N 15° 45' E	61.00
	S 24° W	19.20



10 April 1979

N79-5-13

						€	Dist
	60	Str. 16	NE ✓	.60-70 m E	1	N 14° W	✓ 7.30
	61		SE	.40-50 cm W	2	N 70° W	✓ 3.30
GRP II	62		SW		3	N 77° 45' W	✓ 7.30
	63	Str. 17	NW	.80 m W	4	S 56° 45' W	✓ 9.00
	64		SW	1.00 E	5	S 33° 45' W	✓ 12.70
	65		SE		6	S 2° 15' W	✓ 16.90
	66	Str. 18	SE		7	S 84° 15' E	✓ 10.90
	67		NE		8	N 72° 30' E	✓ 12.70
	68		NW	✓5" diam.	9	N 40° 45' E	✓ 8.20
	69	Str 19	dead - sherds Sr	essentially	10	N 2° W	✓ 14.00

GRP III slightly off contour - down to E of peak heading towards La Guasima
group in corner of fence - sherds from fence holes

Lots 203 A|1 Group I gen surf
A|2 Group II gen surf
A|3 Group III gen surf
A|4 fr| Str. 19 - Little construction visible in the small looters pits (3) that produced this lot. Pits c. 50cm. in diameter + varied from .4 - .9 m. deep. cobble fill(?)

700 paces S 20° E road fr field 4/203 to cattle pens at Jacobo Paz

#204 N79-5-14

4/10/79

Text begins at bottom of pg

PASTURE. THERE WERE PROBABLY MORE MOUNDS PRESENT IN THE PAST, THOUGH NOW PLOWING MAY HAVE ONLY LEFT THE LARGEST, MOST DIFFICULT TO PLOW MOUNDS. AS ELSEWHERE, COBBLES, UNPACKED, SEEM TO HAVE BEEN THE PRINCIPAL COMPONENTS OF CONSTRUCTION, THOUGH THE DENSENESS OF THE GRASS MADE VIEWING THE SURFACE RATHER difficult. THERE IS A STRONG POSSIBILITY THAT AS AT op. #203 THE STONES USED IN CONSTRUCTION MAY NOT HAVE BEEN WELL-WORN COBBLES BUT, RATHER, ANGULAR CHUNKS. NOTE ALSO THAT IN RETURNING TODAY FROM THIS GROUP TO THE CAR NEAR AGUA SUCIA (CACHEA OF..) WE FOUND SEVERAL CHUNKS OF LIMESTONE AND PERHAPS MARBLE. MOST OF THE MARBLE WAS FOUND ON THE ROAD BETWEEN J. PAZ'S CATTLE PENS AND op. #203, WHILE THE LIMESTONE WAS NOTED IN FENCEPOST BACKDIRT JUST E.S.E. OF op. #204.

AT op. #203 - STONES NOTED ON THE SURFACE DID NOT SEEM TO BE WELL-WORN/SMOOTHED COBBLES BUT, RATHER, CHUNKY, ANGULAR STONES, PROBABLY ORIGINATING SOME PLACE CLOSE BY - LIKE THE HILLS TO THE ~~WEST~~ NNW. ALSO NOTE THAT A SMALL - C. 5m. WIDE + C. 1-2m. DEEP ~~DRY~~ DRY GUEBRADA RUNS JUST S. OF GROUP #I. MOST OF THE STR. LINES AT op. #203 SEEM TO BE FAIRLY WELL-PRESERVED AND SIGNS OF DISTURBANCE FROM DIGGING / PLOWING WERE MINIMAL, C. 1 possible pitted in center's pit in Group II, BEHIND (N?) OF STR. 14(?) AND THE 3 SMALL SHALLOW PITS IN STR. 19 WHICH PRODUCED 203A/4.). IN GENERAL THE LAND ON WHICH THIS SITE IS LOCATED IS SLOPING DOWN W → E. TOWARD GUEBRADA LA GUASIMA. A VERY GRADUAL DROP-OFF.

N79-5-13 BOTTOM

204 Sitio BORDEN [redacted] SW - S of end LOCATED S. OF J. PAZ'S MAIN HOUSE, IN LOW CATTLE PASTURE JUST W. OF THE PRESENT CATTLE PENS.

① .60 m high one of group S 70° E
4 paces on S 70° E, 4 paces wide

② for SE corner Str ① to Str. ② on N side N 45° E, 12 paces to W edge, ~~[illegible]~~ high ~~[illegible]~~ 2.5 m, 22' deep E-W 10 paces X 10 paces

③ for SE corner Str ① to Str ③ on S. side S 20° E 15 paces for Str ①, 2 m high, at N 58° E 4 paces X 7 paces on N 58° E

THE 3 mounds form an isolate in high, c. 1.5-2.0 m. HIGH, dense grass in the midst of a very flat (probably plowed/planted) low-grass cattle

#207

9-5-14

#207 overlooking CHAMBLECON, ~~THIS~~ JUST N. OF PROJECTED PUMP LOCATION FOR Cordoba TOBACCO IRRIGATION, c. 300 m CA PLOWED AND A HALF S. OF #206 Along bluff overlooking CHAMBLECON. A SLIGHT HUMP WITH MANY ~~SHERDS~~ SHERDS ERODING OUT OF IT AND down THE BANK TO THE RIVER. Also eroding out of THE PATH ~~OF~~ WHICH CUTS THROUGH THIS RISE ~~de~~ in PASSING down TO THE PUMP. A FEW SCATTERED River cobbles noted on THE SURFACE. 207A/1 - SHERDS collected from THE eroded, RIVER-SIDE FACE OF THIS low RISE.

FROM THIS point WE walked S. TO THE HILLS & along THE RIO CHAMBLECON - c. 250 m. - AND THEN turned W. AND followed along THE BASE OF THE JUNIPA HILL until WE AGAIN HIT THE AGUA SUCIA. NOTHING, THOUGH IT MUST BE NOTED THAT THOSE FIELDS - all in low dense BERMUDA GRASS - SEEM TO BE very FLAT AS THOUGH plowed in PREPARATION FOR PLANTING THE GRASS. THE plowed condition OF SITES #'s ~~206+207~~ 205+206 would SEEM TO support THIS supposition. AFTER crossing THE AGUA SUCIA AT THE point WHERE THE PROJECTED IRRIGATION PIPE crosses, WE continued TO follow THE AGUA SUCIA, THIS TIME ON ITS N. SIDE, until WE linked up WITH WHERE WE left OFF LAST YEAR. AGAIN, NOTHING. THOSE FIELDS do NOT SEEM TO HAVE been plowed FLAT, THOUGH THE LAT passed THROUGH had been in milpa AND was HAND-HOED. THE SECOND FIELD was in low, dense GRASS.

En SHORT, THE ~~G~~ GUNSMA, AT least IN THE lower REACHES covered, does NOT SEEM TO HAVE MODIFIED MUCH SETTLEMENT. BECAUSE OF THIS AND THE FACT THAT THE ~~G~~ GUNSMA looks "NEW" (IN THAT THE SANDY AND CLAY-EY), THE QUEBRADA IS SHALLOW - ESPECIALLY on LIC. CORDOBA'S land WHERE IT does DISAPPEAR ~~FROM~~ BETWEEN THE ROAD AND TOBACCO STUDY - AND THE ground does NOT SEEM TO dip AS NOTICEABLY TOWARDS IT AS IN THE CASE WITH THE other QUEBRADAS) may indicate THAT THIS QUEBRADA WAS NOT A SIGNIFICANT STORAGE SYSTEM IN PREHISTORY.

VISIBILITY THROUGHOUT WAS good today - IN SPITE OF THE GRASS WHICH, DENSE, WAS NOT low. COMO UP TO LA SIERRA S. BOUNDARY.

#208

Next op. #205

N74-5-15

11 April 1979

#208 (I've ~~using~~ ~~defined number of~~ ~~(corrected~~ ~~lands last year 1978)~~

nearly plowed site located 40 m S40°W of field junction of road to LS IV & Vado; SE of tobacco sheds, on S edge of tobacco fields - N50°W to sheds

seems to have been 4 mounds, all plowed; traces of 2 in treeline, ca. 40 m, other c. 50 m on natural rise North of Agua Sucia, steepest on N or W; c. 300 m to Agua Sucia
S40°E 29 paces; S50°W 33 paces [ENTS]
all cobbles, w/ perhaps a few very small pink tajas

c. S 16°W. OF THE ABOVE NOTED GROUP AND c. 80m. is a c. 10cm. HIGH md. - APPARENTLY ALONG c. 525 PACES AND ORIENTED VERY roughly c. S48°E. In medium-High dense grass.

208A/1 - collected from Gen'l. Surf. + TRACTOR CUTS IN THIS group.

#205 N79-5-15 Middle

Stone concentration, c. 20m diameter, on terrace above Agua Sucia, on peak between it and small quebrada to South. no sherds; many cobbles - water worn. S. side of Agua Sucia.

#206

206A/1 - Gen. surface of destroyed site. N79-5-15 Bottom

Destroyed site S of Agua Sucia C. Cou morning and near Chameleon, opposite Tabacalera de Benjamin Paz (Chichipate)

cover dense low estrella grass
cobbles of all sorts of stone - water-worn
extent: N-S ca. 50 paces [LBTS], E-W ca. 35 paces

#207 N79-5-16 Top

11 April 1979

#206 probably 8-12 mounds, but totally destroyed

NM-5-17

NM-5-OP-T 209

14 April 1979

T ~~[illegible]~~ 209 El Canal

On Lic. Cordoba's land, between carretera + route C/ hacienda bldgs + corrals, pretty much equidistant, to South is Queb. La Guasima small (man-made?) lake; land rises to W to Loma de Jicaro; a few shrubs
cover - low grass & scrub
construction - limestone chunks
cut by N-S running canal - canalized La Guasima

					Dist
1	Shot 1	SE	.70 m high on E	N 88° W	11.20
2		SW	less on W	N 88° W	18.00
3		NE		N 63° W	18.60
4	Shot 2	SW	.90 on E	N 37°45' W	15.10
5		SE	.10 on W	N 36°30' W	11.70
6		NE + canal		N 9°30' W	13.30
7	Canal			N 88° W	6.80
8	Sh. 3	SW	1.30 E	S 15° W	15.90
9		SE	.60-.80 W	S 8°30' E	17.30
10		NE		S ~~37~~ 31° ~~15~~ E	13.60
11					
12					

NM-5-18 bottom

1 Lot 209A/1 - collected from SAW sumpter of THE 3 mounds of THIS group - looks LATE classic.

209A/2 Southern rodent hole 209A/3 northern rodent hole

Also SAW M- Bolon today - will HAVE TO SEE HIM AGAIN on monday - 8 a.m. - TO SHOW HIM WHAT WE WANT TO EXCAVATE AND THE original of our permissions letter. ~~AT~~ CHECKED WITH SANTOS C Lic. Cordoba's MAJOR demo) TO MAKE SURE all WAS straight WITH HIM FOR STARTING on monday - THAT WAS fine, And RECONFIRMED ONCE AGAIN THAT WE will HAVE 8 workers AT $4.40 / day for monday + 8 weeks afterwards.

COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION
WILLIAM PENN MEMORIAL MUSEUM AND ARCHIVES BUILDING
BOX 1026
HARRISBURG, PENNSYLVANIA 17108

March 21, 1972

Mr. Edward Schortman
Ivy Hall Apts., Apt. H-2
400 Wollasten Avenue
Newark, Del., 19711

Dear Mr. Schortman:

The excavation at Valley Forge is scheduled to begin early in April and your labour is needed for a week. The primary objective is the search for hut sites which might lie under a proposed parking lot. A crew of six to eight individuals will be utilized during the first week of April and if needed a lesser number will be employed during the following weeks.

The following terms can be offered:

1. Your status is that of an archaeological consultant and a sum of $50.00 per week will be paid to you for your participation in the project.

2. Arrive on Sunday, 2 April, in the evening or early Monday, 3 April, and plan on working until the following weekend.

3. Housing will be provided in an unused railway station; however, you will have to provide bedding and it might be wise to bring an air mattress or cot.

4. All meals will be provided.

If you are available please confirm by return mail. The railway station where we will be quartered is near Washington's headquarters, in the park. The site of the excavations is along outerline drive.

Sincerely,

Vance Packard

Vance Packard
Associate Curator of Anthropology
WILLIAM PENN MEMORIAL MUSEUM

VP:mc

former #180 appears to be spoil heaps N 29-5-17 bottom of/unknown earthmoving

3 heaps, furthest 195 paces (EDS) of/large one overlooking the wadi - N.-S. No sherds, though it some stones (small) used in the heaps - fairly modern.

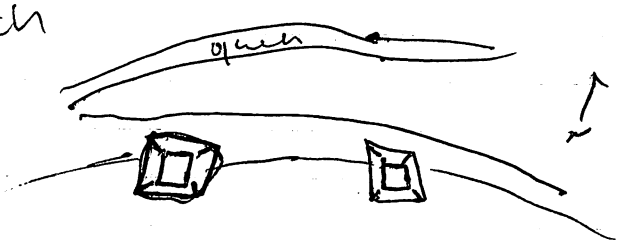
new #180

3 mounds on S edge of Queb. la Guasma
① az N56°E, 100m high, 6-5 paces ~~dos~~ square [EDS]
② 2 paces East of ①, az N60°W, 6 (N60°W) x 5-5 paces
30 mins, more on N due to drop to Guasma

14 April 1979

10 paces N to quebrada - dry now, but must be wet other times as earth is marked w/ hoof prints & remains of best grass grow there

Sketch



Cover - long poor grass & scrub thorn bushes; some cacti

This pretty much finished up the Guasma Drainage. It should be noted that this quebrada has probably been ~~considerably~~ modified by man through the years. In particular - the cut through Loc. #205 indicates that the quebrada may have been re-routed from its original path to flow N.-S. through this group. On the basis of the way the ground slopes now and the way the quebrada runs from the rest of its course, it seems that the Guasma may have flowed N. of Loc. 205 through what is now a small intermittent canon of standing water c. 200-250m. S. of #205. In this case #205 would be sitting on a bluff to the N. of the quebrada and c. 10-15 m. above it.

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WILLIAM PENN MEMORIAL MUSEUM

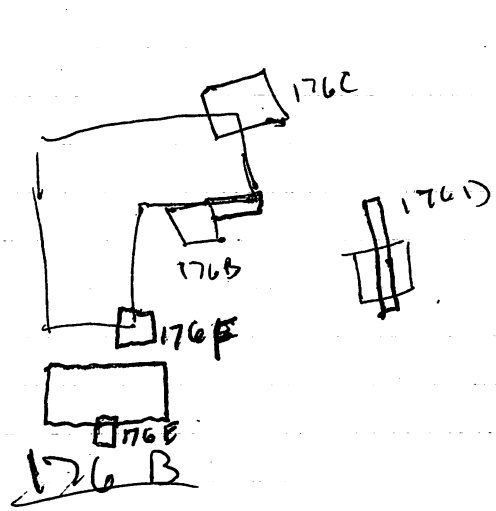
VP:mc

16 April 1979
op: 176 B - Samuel & Jaime

176C Orlando "ho~~pez~~" (roundhouse) & Julio (elder)
Bernardo Rivera

176D René & Gerardo

sketch



The day is hot & more humid than last week; there are scattered clouds. We almost lost the site, but did manage to find it. The ~~effort~~ of climbing around this hill has ruined my breakfast.

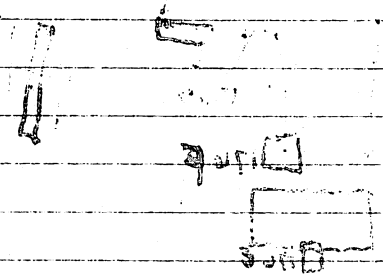
1.5 m(NS) x 1.0 m pit on south side of L-shaped structure, ~~S~~ where the wall seems best preserved

176C

roughly 1.5 m square, on NE corner of E wing of L-shaped str'k, looking for the corner

176D

1.5 m NS x 1.0 m EW pit on N side of str. 5 which is, more or less, a "middle" structure; have begun moving into the structure



16 April 1979

LOT SHEET

-176 D/1 in earth in pit on N side of Str.

-176D/2 fr/ among black earth & stones "inside" Str. above white limestone layer

-176B/1 earth on N side of Str. 6 mostly in black earth & limestone rock layer above but also 1st

-176C/1 fr/ earth & loose stones around "corner" of Str.

-176B/2 fill in side str 6, N of RYE & S of PUTPERMICKLE, only in black earth

-176D/3 S of SOUR DOUGH wall (the southern retaining wall) in Str. 5

-176E/1 earth, mostly black level, in pit S of Str. 1

-176F/1 S. & E. of construction - S. EXTENSION of L-SHAPED Str. CS72A6.) - Black Humus.

-176B/3 In WHITE LIMESTONE level BENEATH FILL in 176B

176F/2 in extension of E looking for S wall, earth over lime layer

-177B/1 earth S of BRIE wall (the S wall in Str A)

-177B/2 from stones in retaining wall & 1st 50 cm of earth fill

-177B/3 earth fill of Str. A

-177C/1 earth on W of CAMEMBERT wall in Str. C, & a little earth above tumble & among tumble

05 April 1979

After relocating #176, and setting the men to clearing, we went off over the hill to look for the rock cairns & small mounds making up #126. The monte, though dry, is rather dense this year, full of spikey plants. We found some of the cairns, which look less convincing as artifacts this year. We did not find the 2 small earthen mounds - the monte is dense & it may be more trouble than it's worth to clear & find them. Right now were probably going to excavate this site (#176) and some stuff at the base of the hill. #176 probably won't be very rich, & the soil seems shallow; ∴ I predict that it will go fairly quickly

In all pits there seems to be only 5-15 cm of earth, black in color very dry & crumbly. Below this is soft limestone which breaks up with picking. I am not going down any further than 5-6 cm into the limestone as it seems pointless - the material is sterile.

176 C

The corner pit is finished - the NE corner w/ for PUMPERNICKLE wall the N-most wall - exposed 1.40m

① good stone - through prob. not cornerstone - is ~~.03m~~ Ew x.40 high on N side, 1.5-2 deep

② the 2 other clear stones are smaller c. .37 long X .13 high

base of wall uneven, base of large stone near corner is lower/deeper than smaller stones to W. large stone may have been set down into limestone layer

smaller stones seem to rest on the limestone, which appears to be decaying bedrock - it is crumbly & can be picked through easily

PHOTOS

Color roll #A

79-C.R.A-1 176D showing rock fill resting on local limestone surface Looking S. Meter at 35cm.

79-C.R.A-2 176B - Looking N. - RYE wall, meter at 51cm.

Black + white roll #1

79-5-BWA1 176B Looking N. - RYE wall, meter at 51cm.

79-5-BWA2 176B, Looking E. - RYE wall meter at 51cm.

79-5-BWA3 176B Looking S. - Back (S.) side RYE wall, meter at 51cm.

79-5-BWA4 176D, Looking W., section side, showing fill - meter at approximate point of N. wall + at 51cm.

79-5-BWA5 176D, Sourdough wall from Above, meter at 85cm.

79-5-BWA6 176F, poss. SE. con.-S. ext., from S., meter at 35cm.

79-5-BWA7 176F, Cut to locate S. wall, S. ext. From S., meter at 35cm.: poss. wall in foreground.

79-5-BWA8 176F, From E, Long shot meter at 18cm.

79-5-BWA9 - 176E - poss. S. wall from S. meter at 52cm.

79-5-BWA11 - same but at 4/5.6 at 60

at 4/5.6 at 60.

16 April 1979

176 E

a pit 1.0 m EW x 1.5 m NS, S of Str 1 where the terrace begins to slope down; str 1 is much higher on this S side than on the N; str. 1 is the largest and southernmost str. on the site; all sherds so far are in the black earth level

176 F

The SE corner of S projection of Str. (L-shaped str) 1.35 m NS x 1.35 EW; purpose: to locate corner for plan

17 April 1979

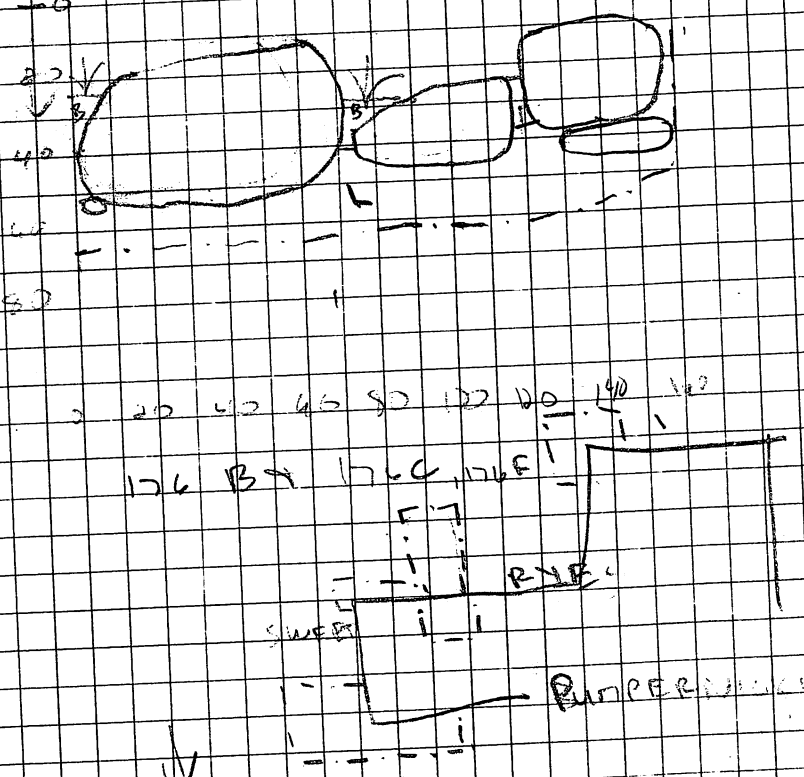
Plan Points site II 176

1H = 1.44

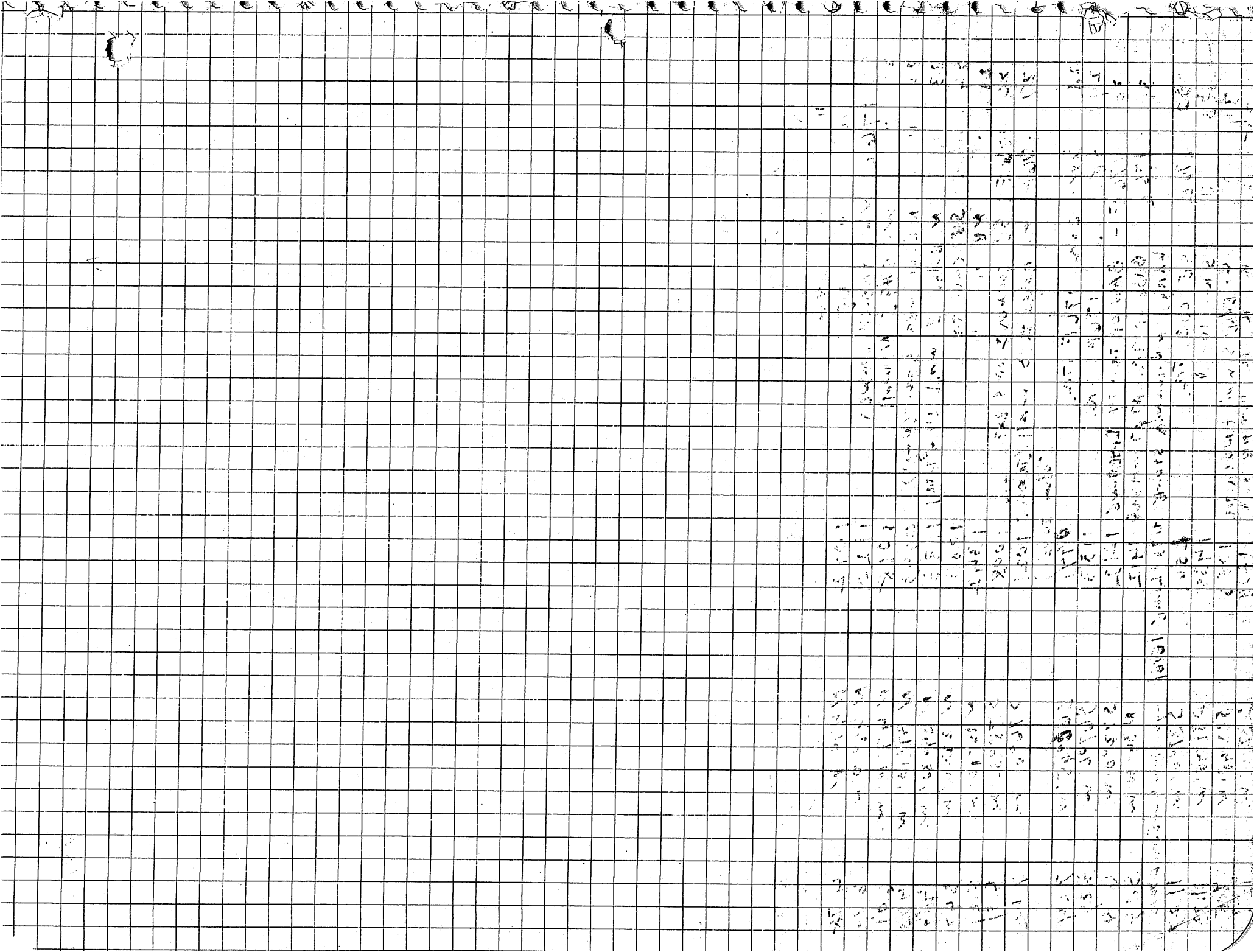
			ELEV	∢	DIST
1	176 D	NW corner trench	1450	N 18° E	√ 4.30
2		NE	1457	N 30° E	√ 4.64
3		SE	1519	N 80° 10' E	√ 2.67
4		SW	1495	S 87° 45' E	√ 1.82
5		W Sour Dough wall	1563	N 67° E	√ 1.93
6		E Sour Dough	1598	N 71° E	√ 2.52
7		poss. N wall E side	1358	N 39° E	√ 3.77
8		" " W	1362	N 26° 45' E	√ 3.26
9	176 B	SE corner	1227	N 88° 30' W	√ 3.14
10		SW corner	1162	S 89° W	√ 4.08
11		RYE wall W end & trench	1071	N 49° W	√ 4.52
12		E RYE / SE corner Str. 6	1018	N 52° 15' W	3.0
13		~~SE corner~~ trench extends 24cm E of pt (13)			~~2.55~~
14		SE corner trench	1252	N 53° 30' W	√ 2.55
15		interior corner in L of trench 1	1204	N 69° W	√ 3.27
16		B extension int. of str. 6 SE corner	1056	N 57° W	√ 3.46

16 April 1979

Sketch – PUMPERNICKLE wall 176 C



	POINT		FLEV		
17	176 B	interior SW	1007	16	N 640 30' W 4.81
18	"	" NW	0984	17	N 55° W 5.57
19	"	" NE	1092	18	N 470 W 4.78
20	176 C	NW. branch Conner	1120	1	N 46° 10' W 6.24
21	"	W. edge N. wall	1016	2	N 47° 10' W. 6.01
22	"	NE. corner str. (N wall)	0943	3	N 37° 10' W 4.93
23	"	N edge E. wall (19cm to Tr.)	1133	4	N 34° 30' W. 4.14
24	"	SE. con. Tr.	1303	5	N 22° 0' W 3.47
25	"	NE " "	13442	6	N 18° 10' W. 5.21
26	176 E	SE. corner of S. Ext.	1008	7	S 78° 30' W. 5.5
27	176 F	E. edge S. wall. (Tr 50cm from Top. 167cm. to E.)	1021	8	S 76° 0' W. 7.12
28	SW. con. 176 E Tr.		0991	9	
29	SE. " 176 F Tr.		1133	10	S 66° 45' W. 7.04
30	176 E – BASE of Tr. + sq. Limestone		1212	11	S 67° 0' W. 5.24
31	176 C – BASE of Tr. At pt. with N E.	Large N E. corner stone Hits Limit	1442	12	S 72° 0' W. 6.34
32	176 E	SE. cor. Tr.	1561	13	N 34° 30' W. 5.04
33	"	SW. " "	1435	14	S 27° 0' W. 11.27
34	"	E. Edge S. wall + NE cor. Tr.	1253	15	S 31° 45' W. 11.73
35	"	W. " " " + NW. " "	1234	16	S 32° 45' W. 9.05
				17	S 37° 0' W. 9.87

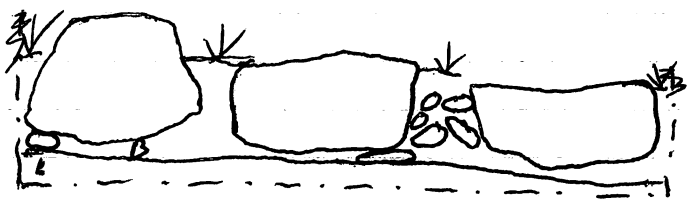


17 April 1979

176 B

BACK AGAIN. RYE WALL HAS BEEN CHASED ONLY C. 70 CMS TO ITS SE. CORNER - IN ALL C. 1.83m. OF RYE HAS BEEN EXPOSED. A VERY CRUDE CONSTRUCTION - THIS DISTANCE IS COVERED BY 3 IRREGULAR STONES - c. CMS FROM LEFT TO RIGHT) - 49 W. x 29 H. x 43 deep cm; 54 x 25 x 44 cm; 47 x 27 x 22 cm. IN BETWEEN THE 1ST + 2ND (L → R.) THERE IS A c. 7 cm. gap, between 2 + 3 = c. 28 cm., THOUGH THIS INTERVAL SEEMS FILLED IN WITH c. 5 CHINKING STONES - c. 5-8 TO 4-11 cm. IMPRESSION TENDS THAT THESE STONES do NOT SIT directly ON THE LIMESTONE BEDROCK, BUT APPEAR TO BE SEPARATED FROM IT BY c. 2-5 cm. - IN WHICH SPACE dark BLACK EARTH + small (c. 3 x 3 cm.) STONES PREDOMINATE SOME IRREGULAR STONES - c. 4 x 12 cm. - APPEAR IN THIS SPACE AS WELL AND MAY HAVE BEEN USED AS "PLANTING" AS SEEN IN THE LOWER MORAGUE VALLEY, THOUGH THEIR USE SEEMS LESS PERMANENT HERE.

← W.

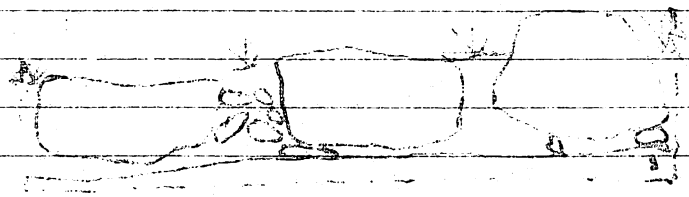


ROUGH SKETCH.

STONES AND MUCH LESS PROMINENT ON SIDE (S.) OF RYE WALL THAN TO THE N. (INSIDE) OF IT. NOW, HOWEVER, THAT THE BLACK BEDROCK S. OF RYE CONTAINS MANY SMALL, c. 2 x 2 cm., STONES - POSSIBLY COMING UP FROM THE LOWER "L" LEVEL.

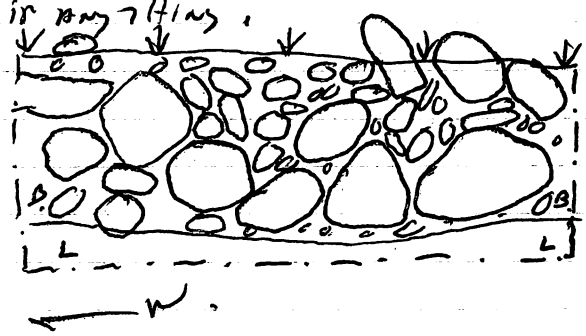
176 E

BACK (S.) WALL OF STR. 1. THE ATTEMPT TO DISCOVER A TRASH DEPOSIT HERE WAS NOT SUCCESSFUL, THE ATTEMPT TO FIND THE BACK WALL HAD only EQUIVOCABLE RESULTS. AS WITH THE OTHER TRENCHES ON THIS SITE WE HAVE A BLACK, HARD/DRY HUMUS LEVEL OVERLYING THE HARD, WHITE LIMESTONE. SHERDS, AS ALWAYS - WERE MOST PLENTIFUL IN THE UPPER BLACK LEVEL AND ALMOST NON-EXISTENT IN THE WHITE. THE BLACK HUMUS/LIMESTONE INTERFACE COMES IN AT c. 18 cm. ABOVE THE POINT TAKEN FOR THE DATUM OF THE TRANSECT IN OUR PLAN SHEETS. THE BEDROCK SLOPES GRADUALLY UP TO THE N. + W. (NEAR THE ABOVE-NOTED PLAN POINT = THE SAME LEVEL AS THE TOP OF THE LIMESTONE LEVEL IN THE UPPER BLACK LEVEL OF THE TRANSECT IN THE LOWER RIGHT OF PLAN, SHEET 1, [illegible]



17 April 1979

The E. wall of the trench. The wall itself is exposed for a horizontal distance of c. 1.0 m., and sits c. 4-9 cm. above the underlying limestone level. As in 176B the wall, the intervening space is filled with hard black, fine earth with some small stones - c. 2x2 cm. In one case - on the far w. side - the wall reaches in depth the top of the limestone level. Stones in this wall are much smaller than those in 176B - measuring c. 24x23 cm. H. x W.; 15x14 cm.; (12x12 cm.) 14x14 cm.; 22x29 cm. In only 1 case - on the far w. side, is this wall more than 1 stone high - there it is 3 stones - 1 large (24x23 cm.) on top of 2 smaller - c. 6x10 cm + 9x8 cm. - (~~down top~~ → bottom) in a line sloping it descending down to the top of the limestone level. Extending for c. 45-50 cm. S. of the wall is what appears to be an area of tumbled stone, mainly densely packed, sloping down towards the south and resting c. 4-7 cm. above the limestone level. In short, we are not sure of our "wall" here. Small indications suggest a wall approaching c. 46 cm. out to the S. from our present wall - ± the same point as the extent of our "tumble". The reason for our present interpretation is: the stones removed from the S. during excavation lacked tumbled and out of place and these in the wall seemed to still be in horizontal, undisturbed positions. It is possible, as always that we are wrong - but I do believe that we are probably within c. 40-50 cm. or it - probably in terms of anything.



very rough sketch.

17 April 1975

#	Point	Elev.	∠	Dist.
36	BASE of 176E - in Limest. Level	1705	1⁄ 531°30' W.	10.44
37	" " 176E - 1 " "	1470		

W. through wall was to "wall" - 9cm. above WHITE / Black interface.

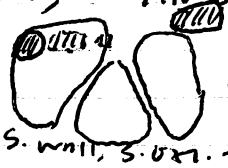
176F

A possible disappointment - we may have the SE. corner of the S. extension here, but it's hard to say for sure. The SE. corner appears to consist of a rock c. 30cm. L.+ 09cm. thick and it does not appear to be appreciably disturbed from horizontal. This stone ~~As of Here about 15 slow here~~ appears to rest on another directly beneath it, though this latter stone is somewhat out of place - (measures c. 22 cm. L.+ 12 thick (high).). This lower stone rests directly on top of the apparent natural limestone surface of the Hill. An interesting point about the limestone surface here is that - as opposed to cracked + crumbled surface noted elsewhere - this one appears in the form of "slabs", large flags or limestone separated from each other by cracks. The size of these slabs varies - c. 61 x 73 cm. - 70 x 41 cm. (the 2 clearest + most fully measurable). Note that in the c. 74 x 74 cm. photo of the S. wall in this sq., these slabs seem to stop + give way to the more familiar "scrabbly" surface seen (c. 18 cm.) directly passing the front of the poss. S. wall located. The poss. S. wall is dominated primarily on the inch of horizontally - in-place stones to the S. of the proposed feature (some rounded, slanted stones need.) and the presence of large stone will be the N. one the sq. The stone of this S. wall is c. 12 cm. high + 20 cm. long each to (one) + 9 cm. wide, it also sits on the limestone level - the rounded does not necessarily rest on this level, though it ~~is impossible~~ does occur much of the south wall seems tumbled.

The 48 cm. N. ext. of the + located the E. wall of the S. extension also rounded only thinly, with stones dipping down + out to the E.

Above lime. level - black, hard, chunky humus; dry-moss of wall stones in this square.

Limestone level - ~~Above~~ undulating surface, sloping down - c. 4-6 cm. over 1.3 m. distance, to the S. near base of the slabs



poss. wall stones

located S. wall, S. ext. - in black soil down to lime level

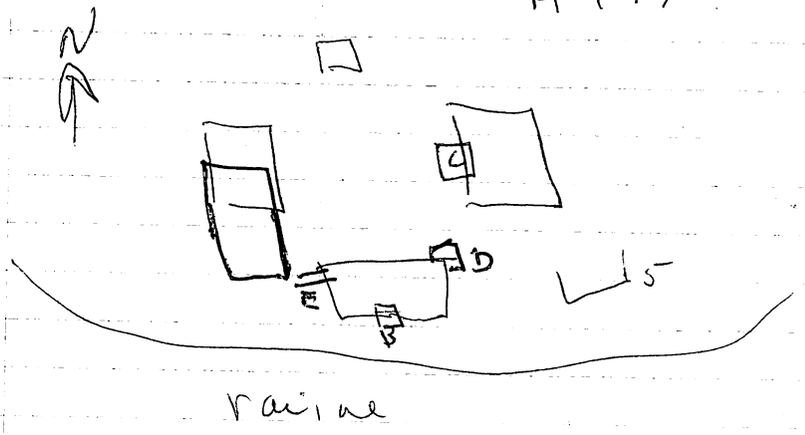
176F/2 - about within 74 x 74 cm.

DONE UP TO HERE 28

117

17 April 1979

Chichicaste #177



177 B

on South side of str. ; 1.5 m NS x 1.2 m EW looking for trash deposit and swell of str ; so far some sherds encountered

177 C

on W side str. ; 1.5 m NS x 1.5 m EW ; few sherds so far ; rocks in abundance but appear to be tumble ; am removing rocks in N side of trench

Today is very cloudy & it seems much cooler. Backfilling has begun at La Terraza, & 2 pits are open at Chichicaste, which probably won't have many more than that.

The soil at Chichicaste is a dull gray tan, and though fairly densely packed, it seems powdery once dug up. No black topsoil level is discernable

In 177 C a change of soil is coming out - the lower level is lighter grayer in color, and is also much less densely packed than the upper level. The men

17 April 1979

have come down on this in the N half of the trench and are moving into the mound. To me, the walls are not apparent yet in either 177C or 177B

177B

An effigy foot, looking like an owl, has come out of the stones in the possible wall.

There is a clear line of stones under the more tumbled looking items, but they seem somewhat sprung forward & tilted; the do not look entirely like tumble either. I'm going to sketch them after they're cleaned, & then cut in a little more; the soil change also has appeared in this

177D

1.5 m E-W by whatever is necessary N-S, off of NE corner of Str., looking for N & E walls & the NE corner of the str.

2pm 17 April

177E

Str A, off W wall, coming onto wall & then will go in search of NW corner; also hope to catch trash from between Str A and Str B
1.0 NS x 1.20 EW

177B

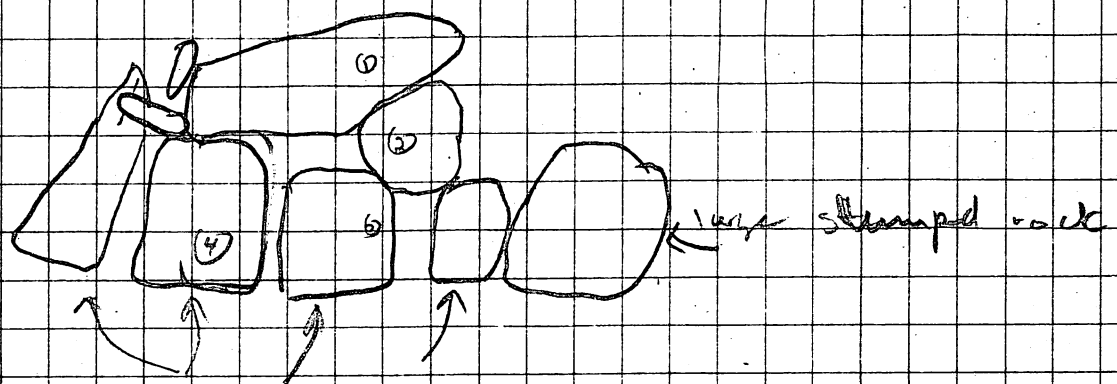
Lot 177B/3 from earth fill only, 177B/2 mixed stone & earth
have cut in in slit trench behind probable wall, 55 cm wide; behind the clear lines of the wall is some fill / retaining wall c. 80-90 cm in width; behind the wall is earth fill; on top of the Str. are some stones & we are cutting in to see if they represent a superstructure or surface

1776

Elevation

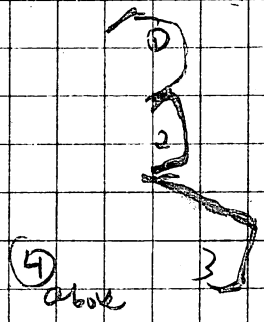
Sketch of Possible Wall

10 cm



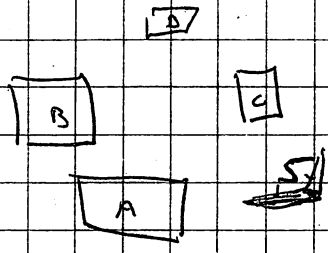
these 4 are semi-shapes

sketch profile



shapes more from 3

Temporary Structure designations



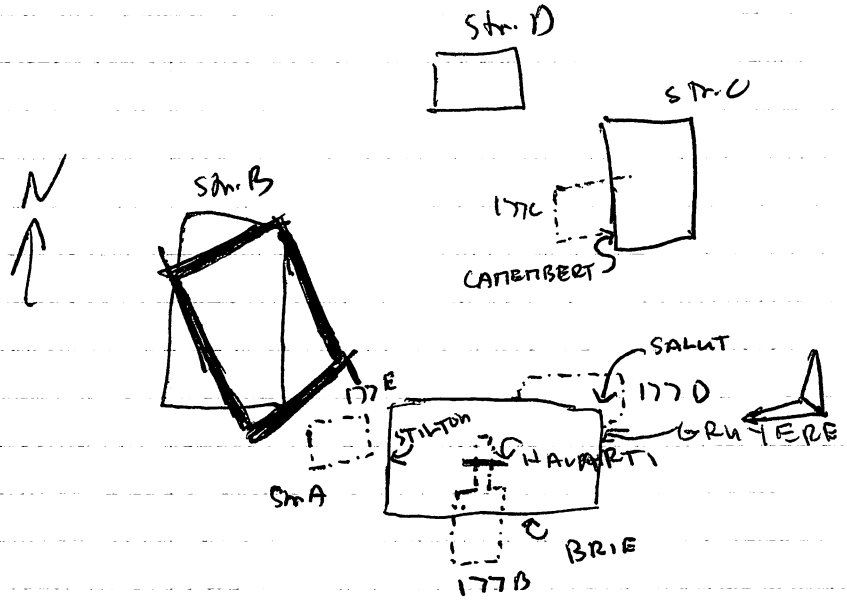
177 D

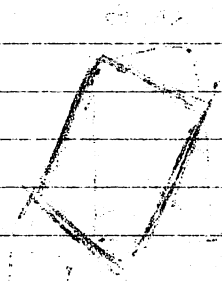
no clear walls/corner as yet; have extended trench to W, so are now cutting in at furthest W extent. there is a pronounced level of barro-type clay, dark brown w yellow sand, so very hard, like cement practically, but we dont know what it means

177 C

we think we have the wall + have tried to follow it to the south; it is very trampled; sparse sherds but a couple of nice pieces of obsidian

trench sketch + temporary str. designations





PHOTOS

79-5-BWA 10 — 176E, from E., showing Tumble to S. of pass. S. wall. Meter at 52 cm.

79-5-BWA 12 — 177B - Brie wall from the E. showing Tumble of the wall. Meter at 52cm.

79-5-BWB-1 — 177B - Brie wall from W. showing Tumble of Brie to the S. Meter at 52cm

" BWB 2 — 177 E - Stilton wall and NW. corner of Str. A. Looking E. Meter at 52cm.

" BWB 3 — 177E - Stilton wall and NW. corner of Str. A. From Above, Meter at 52cm.

" BWB 4 — 177B Harappan (Lge. stones.) feature at the N. end of 177B N. extension looking N. M. at 52cm.

" BWB 5 — 177B Brie wall, Looking N., Meter at 52cm.

" BWB 6 — 177B Brie wall, Meter at 52 cm. From Above

" BWB-7/8 — 177C Interior pit N. of Cambered Looking N. Meter at 52cm.

Eds 79-5-CRB 0 + B1 - gen. excavation shots
Canopy
B 2 - N. end 177B N. Ext. Harappan feature Large Stones - Meter at 52cm.

LOT LIST

177 D/1 earth & probable tumble N of SALUT wall, N wall of Str. A

177 E/1 earth

177 C/2 in wall of borro clay W of CAMEMBERT wall

177 B/4 among stones & earth packing of HALVARTI feature, Str. A

177 C/3 SHERDS from within stone infill N. of CAMEMBERT wall

18 April 1979

177B

Continuing the ~~slit~~ trench into the structure on the surface is what appears to be a line of stones; we have continued the trench up to these stones, which appear to be a rough retaining wall or fill unit of stone, probably the latter. This stone feature is called HAUARTI feature. The stones are soft white chunks of the local crumbly limestone. Sherds are coming out of the earth which is packed around the stones

177C

We are into fill here, although the wall is less clear than we would like. The fill is stones packed w/ earth - soft white local limestone

On subject of limestone: the stones here (and presumably above at la Terraza) are not recognized as "kal". The stone here, which we perceive as limestone, is called "poaqua". The nearest source of kal, which Luis says is a far stone than this, is Ceibita, 4 km away towards Quimistan.

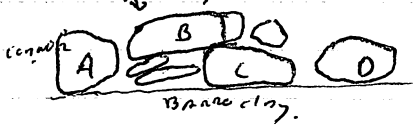
177B burro level : 1663

177 ~~B~~ burro level 1649

1776 NOT TOO MUCH TO REPORT. A SCRAGGLY BUT RECOGNIZABLE WALL WAS LOCATED LEADING TO THE SITE'S NW. CORNER (STILTON WALL). THE WALL AS EXPOSED CONSISTS OF ROUGHLY PACKED STONES OF SOFT WHITE LIMESTONE, COVERS C. 4 7 cm. AND STANDS TO A MAXIMUM HEIGHT OF C. 30cm. SEVERAL BLOCKS, FALLEN BUT PROBABLY FROM THIS WALL, WERE REMOVED DURING EXCAVATION. AT PRESENT THE WALL STANDS IN

maximum ht. of 2 stones, resting immediately atop the other with small chinking stones probably acting as levellers. There is some possibility that the stones of the NW. corner may be slightly sprung to the north, some of the stones appear to have slid off the horizontal toward the N. The maximum extent of such slippage is c. 28cm.

possible slipping →



rough sketch elevation.

Stone measurements.

A: 13 w. × 17 high × 21 deep (E.-W.)
B: 26 w × 8 high × 25 deep
C: 34 w × 9 high × ?
D: 16 w. × 18 " × ?

The stylion wall rests directly on top of the hard brown, sandy "banco" clay noted in 177B underlying BRIE wall and HARARI feature, overlying the wall + this clay level is the familiar powdery gray clay. Stones continue to the west in fairly dense, though probably trampled, concentrations for c. 43-54cm.

177D An acceptably if not wildly wonderful corner (E. str. wall) is piled of cobbles rough of which seem to be of limestone. As elsewhere, it sits immediately atop the brown sandy "banco" clay level + is overlaint packed around with gray powdery clay. max. wall ht. - 3 cobbles - c. 32cm. Avg. stone size: 20×14cm - 20×24cm. Not much appearance made of chinking stones.

SALUD wall (n. str. wall) is even rougher. Though it does contain 1 limestone block which appears to be fairly well-placed. Several of these were noted as trampled to the N. of the SALUD wall. Trample in this and the corner wall was extensive - resting atop the underlying banco and extending c. 1 - 1.1 m out from the str. Fairly dense. Ht. of SALUD wall (max.): 32-35cm. (2 stones) Ration badly sprung.

Extent of SALUD : 72 cm.
" " corner : 2.0 m.

18 April

PLAN POINTS

Point		ELEV			D.ST
1	Str. C SE corner	1275	N 7° 30' E		3.91
2	NE	1393	N 29° E		9.02
3	Summit	0675	N 0° 45' W		8.24
4	NW corner	1078	N 40° 30' W		13.07
5	SW	0943	N 30° 45' W		9.04
6	Str. D SW corner	0928	N 42° W		11.70
7	NW	0822	N 45° 45' W		15.24
8	Summit	0688	N 39° 30' W		14.33
9	NE corner	0785	N 36° 30' W		15.87
10	SE	0850	N 30° 45' W		12.58
11	Str. B NE corner	0913	N 56° 45' W		11.84
12	Summit	0543	N 86° 45' W		9.06
13	NW	1490	S 78° W		14.26
14	SW	1278	S 62° 15' W		8.68
15	Str. A SW (on surface stone)	1547	S 37° W		9.25
16	NW corner - STILTON wall	1402	S 51° W		6.22
	STILTON send trench	1509	S 46° 15' W		6.80
18	177 E SW corner trench	1289	S 60° W		7.73
19	177 E NW corner trench	1247	S 63° 30' W		6.83
20	Summit of 177B extension	1233	S 19° 45' E		5.56
21	Str. G SW on hill	1638	S 52° E		7.06
22	SE corner	1769	S 71° 45' E		7.49
23	NE on hill	1601	N 89° 30' E		5.10
24	177B SE corner	1400	S 9° E		10.72
25	SW corner	1875	S 21° E		10.59
26	Benn level SW of BRIE wall	1909			
27	BRIE S side not trench on W	1745	S 19° 45' E W		8.69
28	BRIE S side on E	1425	S 15° 15' E W		8.56
29	BRIE N side on E of STILTON trench	1211	S 3° 15' E W		5.88
30	SE corner N trench extension	1291	S 16° E W		7.81
31	30 cm W is W side of trench SW corner N trench extension	1260	S 20° E W		7.88
32	HAWARTH E side S end	1234	S 15° 45' E W		6.39
33	HAWARTH W side	1180	S 22° E W		6.35
34	N extension NE corner	1256	S 15° 45' E W		5.20
35	177 D SALUT W end of trench SW	1324	S 3° 15' E		4.82
36	SALUT GRU-FERE "corner"	1625	S 40° 15' E		5.05
37	trench 40 cm SW GRU-FERE S end of Trench SW	537	S 2° E		7.03
38	trench NE	1517	S 21° 45' E		5.42
39	trench NW	1427	S 9° E		3.73

N79-5' 46

23 April 1979

I.H. at P.P. II = 142 #145

from P.P. II ~ shooting back to sta 5

	1	P.P. II to T.P. (1)	2260	S 25° 45' E	30.06
P.P. III	2	P.P. III " T.P. (1)	0589	N 14° 0' W.	31.08
I.H. 1405	3	P.P. III " T.P. (2)	1898	S 13° 0' E.	30.00
P.P. IV	4	P.P. IV " "	0967	N 10° 30' E.	30.50
I.H. 1445	5	P.P. IV " P.P. I	2199	S 21° 0' E	36.70

PHOTOS

79-5- BWB 9 ENT → CAMEMBERT wall, looking E, showing wall in SECTION- METER AT 52cm.

BWB 10 SALUT wall, Looking S, METER AT 52cm. 177D

BWB 11 GRUYERE wall, looking W, METER AT 52cm, 177D.

BWB 12 CORNER, GRUYERE AND STILTON walls, METER AT 52cm, looking SW. METER AT 52cm. 177D.

79-5- BWC 1 145 E, W. STR. wall - HIRES wall looking E. SHOWING CHANGE in wall (drop down TO N.) METER AT 52cm.

BWC 2 145E - SAME but from NW. looking SE.

BWC 3 145C - SHASTA wall (N. wall of STR.) From N. Looking S. METER AT 35cm.

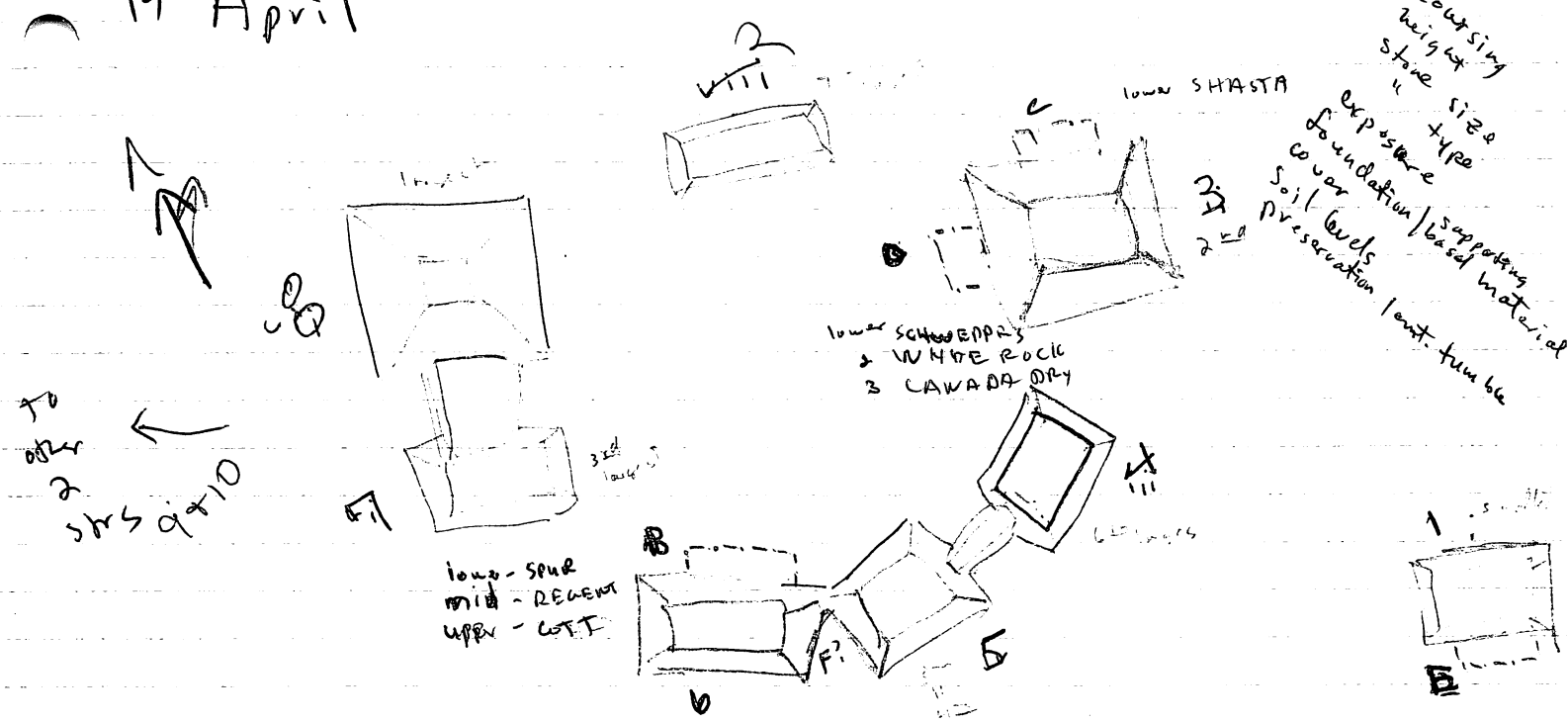
BWC 4 145C- SHASTA wall- From W. - long SHOT METER AT 52cm.

BWC 5 145B- walls of 145B (3) From S. METER AT 32cm.

79-5-CRA 9 Gen shots- site in grass w/ cows & horses
Shot of 145 C & D
Shot of 145 B
Shot of cattle

N 945 - 35

19 April



145
~~B~~

Trench is down c. 40 cm (measured from NE corner), & we have begun to move W into str. A row of somewhat tumbled lajas has appeared - the pink schist local to this area. It may be the wall, & if it isn't at least we're probably close.

145
~~D~~

Trench is down cm (measured from corner of trench). A good row of small lajas has appeared, & it's being cleaned. It looks rather wall-like.

145
~~E~~

Nothing much - they seem to have hit some lajas (about cm down), but they seem broken & uneven

145
~~E~~

Nothing much; so far most sherds found in NE corner of trench

The earth here is a dark red-brown, softer than at Chichicaste & easier to dig. The mounds are made of

chunks of rock - or so they seem on the surface - schist, "marble", etc. The lajas in the excavations are the local pink sort, which may be a reason for the soil color

Sherds become denser in all pits. c. 10-15 cm below present ground surface

145 B -

After uncovering the basal course - c. 15-16 cm. below ground surface and consisting of 1 cobble (c. 8 cm. high) in height. We have gone in a bit to the west to see if we could locate much in the way of upper courses. 2 additional walls may have been found beneath what appears to be fairly dense rubble. The 1st to the w. is c. 64cm. from the lowest ~~course~~ while the 3rd is c. 1.21 m. from the lowest course. All the lines are rough but seem to be comparably aligned. Planning on cutting in tomorrow, at which point we should know more about these supposed walls.

145 E

Locks libanelvo located the w. wall of the str. Preserved to 1-2 cobbles high - c. 20-25 cm. Small, slabby, only occasional faced stones - exposed over an area of c. 2.15 m. n.-s. A note - ~~[illegible]~~ on the w. - for c. 91 cm. s. of the n. trench wall, the underlying fill of the wall, a hard reddish-brown very pebbly clay, seems to drop off precipitously. This section of the wall also seems to be tilting down to the w. as the height is reduced from what it was given way. Taking the place of the pebbly fill are loose stones similar to those used in the wall, all apparently rubble, and overlain by a layer - c. 66 x 8 cm. Laja.

~~COTT~~ ~~REGENT~~ COKE TAB
~~FANTA~~ ~~DIET~~ PEPSI DR PEPPER
~~SPRITE~~ ~~COKE~~ FRANKS FTON
~~DIET RITE~~ ~~FRANKS~~ FRESCA

LOT LIST

145 B/1 earth E of E wall of Str 1b jade

145 C/1 earth N of W wall of str. 1B

145 D/1 earth W of W wall of str. 1B

145 E/1 Earth W of W wall of Str. 1

145 B/2 From primary EARTH + STONES overlying upper 2 courses of walls in 145 B.

145 C/2 From Area EARTH and STONES in S. EXTENSION to locate N. wall of Str.

145 D/2 From EARTH above stones in E. EXTENSION to locate junction upper walls in Str.

145 E/2 Fill Lot within Str. 1, - E. of HIRES wall from base of wall - surface.

145 D/3 From Fill.

145 B/3 Fill Lot - within Str. 1, E. of Hires - Base of Hires to base of Excavation And Hard, rock-Strewn pebbly soil.

145 B/3 From N. Ext. Following Spur wall - E. of construction in EARTH.

145 B/4 From S. Ext. - Following Spur to Junction with Dr. Pepper

145 G/1 Earth ~~East~~ above construction - TEETH RC course 9

145 F/1 From EARTH S. of CONSTRUCTION. - TAB wall St 6

LOS PUERCOS surface lot for str. sent by polytube

148 A/1 - NW - of Puercos and Pericones - 1st visit

148 A/2 - W. of Pericones, SW. of Puercos - End of day.

70

PHOTOS

79-5 - BWC 6 145 B - Basal course (SPUR) from N. meter at 52cm.

BWC 7 145 B - Upper course (COTT) from N., meter at 52cm

BWC 8 145 D - From above - Lower course (SCHWEPPES) meter at 52cm.

BWC 9 145 D - Lower course (SCHWEPPES) looking from NW. to show possible cutout meter at 52cm

BWC 10 145 D WHITE ROCK & CANADA DRY courses

BWC 11 145 B - Possible S. wall of N. Str. - Spur intersects possible sprue, meter at 35cm, Looking N.

BWC 12 145 B - N. continuation of Spur - meter at 35cm, looking W.

79-5 - BWD 1 145 P² - S. Str. wall (TAB) - S. Looking N., meter at 35cm.

BWD 2 145 P² - From W. Looking E. with corner of TAB (SW. cor.) in foreground. meter at 35cm

BWD 3 145 P² - TAB SW. corner from above. meter at 35cm.

BWD 4 - NOT SHOT

BWD 5 - 145 P² - Looking N. - TAB, focussing on possible change in masonry (THE LARGE stone) meter at 52cm.

BWD 6 145 G TEET lower course of wall TRC meter BELOW

BWD 7 145 G again - diff setting

APRIL 1979

38 145 E SE corner → 2190 S23°15'E 20.57
39 Poss N end HIRES → 2278 S26° E 18.84

Plan 1775 145

	POINT		ELEV		∠	DIST
1	145 B	SPUR S end NOT trench	1429	1	N69°45'W	11.96
2		SPUR N end of trench	1319	2	N66° W	12.35
3	Regent destroyed	REGENT N end	1045	3	N68° W	12.77
4		REGENT S	1124	4	N73°15'W	11.91
5		COTT S end of SE trench	0999	5	N75° 15'W	12.30
6		COTT N end of NW trench	0919	6	N70°45'W	13.15
7		trench NE corner	1268	7	N62° 15'W	11.66
8		Trench SE corner	1274	8	N68° W	10.50
9	145 C	SW trench	1070	1	N2° 15'E	12.05
10		NW trench	1219	2	N20° E	13.91
11		NE trench	1249	3	N8° E	13.97
12		NW corner E extension	1264	4	N90 15'E	13.30
13		SHASTA N end not trench	1225	9	N4°30' E	12.47
14		SHASTA at Masonry change	1388	10	N11° 15' E	12.84
15		SE trench	0978	5	N 90 E	12.03
16	145 D	trench NE corner	0861	6	N40 W	9.18
17		SE trench	1012	7	N3°15' W	6.91
18		SW corner extension trench jog	1301	8	N 15° W	6.95
19		NW corner extension	1298	9	N 15° W	7.41
20		SW trench	1313	10	N 19° W	7.62
21		NW trench	1283	11	N 18° W	9.13
22		SCHWEPPES N end	1596	11	N 4° W for 3°45'	9.0
23		SCHWEPPES S end	1535	12	N 13°30'W	7.80
24		WHITE ROCK N end	1305	13	N 11° W	8.90
25		WHITE ROCK S end	1341	14	N 9°15' W	7.03
26		CANADA DRY N End not trench	1161	15	N 7°30' W	8.55
27		CANADA DRY S end	1268	16	N 6°45' W	7.04
28	145 E	SW trench	2235	12	S 20°45' E	20.01
29		NW trench	2259	13	S 22°30' E	18.61
30		SW corner N extension	2220	14	S 24° E	18.68
31		NW corner N extension	2188	15	S 25°30' E	18.06
32		NE of N ext.	2081	16	S 30°15' E	18.78
33		AQW wall N end of trench	2080	17	S 28°45' E	19.54
34		AQW S end of SE N ext.	2016	18	S 28° E	20.07
35		HIRES E pt.	2012	19	S 26°45' E	20.00
36	25 cm wide trench	HIRES NW corner	2215	20	S 25°15' E	19.88
37		HIRES S end	2191	21	S 23°30' E	21.18

4/20/79

Las Pueblos

An informant arrived at the site today with shards he had found during the course of cutting a shallow (c. 10-20cm.) narrow (c. 15cm.) trench to hold the pipe which is presently bringing Naco River water to the animal pens up here. We went out to ~~find~~ see this location. It's located c. 120m. NW. of Los Pueblos; c. 80m. SW. of the present Finca House; and right on the line of the fence marking the W. border of the field N. of that in which is Los Pueblos. The pipe runs N.-S. along (just W.) of this fence line and has cut through an apparent solitary mound c. 20cm. high. Stones found in the digging included (primarily) the orange-colored schist local to this area, along with some chunks of "mano", the latter containing many veins. All stones were chunks, none seemed well faced, or worn noticeably so. Shards were few.

145B - cleaned + photographed the 3 courses of construction (spur, recient, and cotte ~~top-bottom~~ bottom → top) and are now trying to find the SW. corner by following spur. Southward. The purpose is to try and determine the nature of the saddle connection. Shards included with 145B/1.

~~145~~

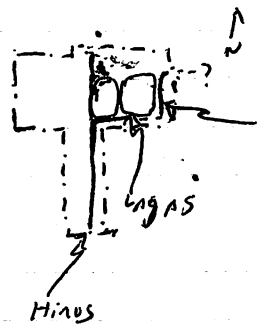
145C - cleaned + photographed the N. wall, basal course (shasta) and are now following it E. to its NE. corner. The wall - consisting of packed lajas, is rather rough and, while recognizable, is poorly preserved.

145D - cleaned and photographed the lower course (schwappes/saddle) and then cut c. 60cm S. to see if schwappes really was an outside. Dividends - found 2 good clean lines (still being cleaned) of historic walls that ~~make us~~ reinforce our impressions of higher walls in the trench from yesterday. Still cleaning and excavating - still no sign of schwappes.

145E - photographed Hines wall + cut in along the line where, as noted yesterday, the wall seemed to drop down, surprise, surprise, Hines seems to turn a corner ~~heading~~ E. At the point where it drops down. Also at this point ~~another row~~ there seems to be a laja floor - very small + at such the level of the bottom of Hines. This floor continues back from Hines e. ~~cm.~~ to the S. + hits

Another possible wall heading N. from E. corner of Hines building running A corner to the S. (based on surface indications).

The situation:



Hines also seems to continue N. of the bags, but at its lower level. Excavating to fill in N. area the bags do not run under Hines at its corner - but only up to it.

Further excavation calls this into question. We had planned time picking up Hines N. of the dip, and, in fact, I'm not sure we did encounter it. The wall is very much tumbled and upset in this N. section and we eventually ground up the branch. What we do seem to have is Hines trending ± N-S., dipping at what might have been its original NW. corner with, perhaps, a subsequent, random scrubby addition being made to the W. in a later date, probably involving A+W. wall and a continuation of Hines, at a lower level. Now the we see Hines, presently as mostly with its base covered by a prepared fill of hard, pebbly mud-brown earth. This is based on our initial excavation so far to recognize this level continuing to the W. So far, in excavating through it, it is sterile.

Put a manhole, c. 1m. wide, through into the S. section of Hines - separating lots such that material from within the S. and above the base of the wall is distinguished from material below the base of the wall in the mixed-brown pebbly soil.

At the end of the day the weather with showers and the shovel dupes in the polyrude cut brought a handful of sherds and a "bark-beater" (?) from a side hill indication running another pen. NW. of the Pomeroy field. Haven't seen this yet. Designated lot is 14GA12.

Spent most of the day shooting plan points and directing excavations.

20 April 1979 I.H. 143

		Elev	Δ	distance
40	E. pt. on Shasta wall	1361	22 N 9°30'E	12.66m
41	possible continuation Shasta	1353	23 N 17°30E	12.53
42	possible NE corner Shasta	1428	24 N 21°30'E	12.77
43	NE corner of E extension	1365	18 N 19° E	13.76
44	SE corner spur wall (Str 145B)	1224	25 N 75°W	10.73
45	N end regent	1171	26 N 76°45'W	11.36
46	S " "	1181	27 N 79°45'W	11.08
47	NW Dr. Pepper	1220	28 N 78°45'W	10.51
48	Midpt. Dr Pepper	1296	29 N 78°15'W	9.74
49	E. edge Dr Pepper	1251	30 N 78°45'W	9.15

23 April 1979

Reshooting Plan Pts. I.H. 1.32m.

			Elev		Δ	distance
	145D					
1		CANADA DRY S end	1189	1	N6°W	7.05
2		SCHWEPPES S end	1464	2	N13°(15')W	7.25
3	145C	SHASTA W end	1101	3	N4°45'E	12.39
4	145D	SCHWEPPES at section	1449	4	N13°15'W	8.52
5		WHITE ROCK N end	1331	5	N10°20'W	8.09
6		WHITE ROCK S end	1344	6	N9°15'W	7.00
7		CANADA DRY N end	1260	7	N3°45'W	8.52
8	145C	SHASTA pt.	1224	8	N9°30'E	12.64
9	145B	N continuation SPUR	1291	1	N63°30'W	13.60
10		SPUR/SPRITE junct.	1279	2	N5°45'W	14.12
11		NE corner N extension	1029	3	N57°W	14.09
12		SE corner N extension	1157	4	N62°45'W	12.45
13	145F	E edge TAB wall	1228	5	N86°W	12.72
14		TAB masonry change	1161	6	N88°45'W	13.88
15		TAB corner	1375	7	S89°W	15.08
16		W extension NW corner	1219	8	due W	15.98
17		" SW corner	1278	9	S87°W	18.77
18		dog in trench	1140	10	N89°15'W	13.27
19		SW orig.	1217	11	S88°15'W	12.94
20		SE orig.	1143	12	N89°45'W	12.18
21	145G	S end TEBT basal course	0610		N37°15'W	17.89
22		S end 2nd course RC	0491		N38°30'W	17.78
23		Poss. pt. on TEBT N end	0788		N36°W	18.69

23 April
1979

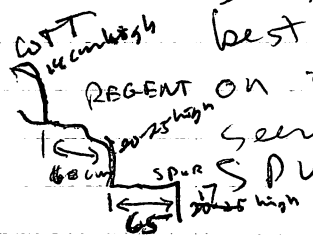
145C

SHASTA wall is best preserved in the western part of the trench. Its construction is like SCHLEPPEGS — small lajas stacked to a height of 22-26 cm. wall rests on hard barro level, red-brown in color & full of pebbles. Stone sizes c. 20 cm long x 5 cm high, stones seem packed w/ finer clayey soil, lacking pebbles. Some cobbles used as well, but they appear completely unfaced, & most not even chosen for flatness. The wall is badly tumbled in middle of exposed section, ~~and~~ picks up to E, although it is never as clear as in the W part. In well-preserved section the wall is 3 slabs high, packed w/ chinking stones and earth

145B

Walls are composed of cobbles primarily, w/ only a few small lajas. The entire exposure is very poorly preserved. Lajas seem to be tumbling from above, and the only in-place ones are ~~towards~~ the top. of the str. wall is set on clay, but not as tough or as pebbley as in 145D. Stone size varies from 41" long x 10 thick to 20 cm x 5 cm (approx avg) to smaller.

3 Terraces are visible w/ lowest & highest in best shape. Middle terrace (REGENT) is poor. Above it, on its step, the lajas seem to begin. Terrace seems 20-25 cm high, & begins c. 65 cm back from

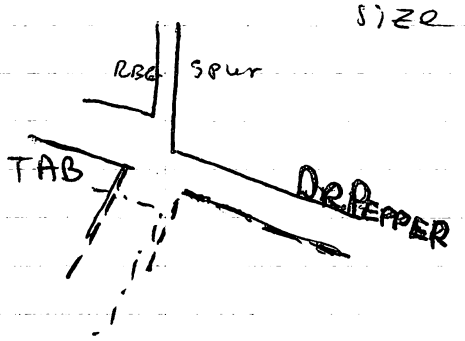


SPUR

COTT, top course, begins c. 60 cm back, & is about 14 cm high. Avg. stone size 15 x 14 cm. Coursing is only 1 stone high. Lajas appear in this terrace- 16" wide x 2 thick. A lot of the stones aren't even cobbles — more like chunks, very rough, & no facing

The str. intersects the str. to South at a corner

(more or less). The connector seems to be a layer of cobbles &/or lajas c. 17cm high. Stones not diff. in size from others



145F

Originally 1m x 1m pit on S end of Str. 6, later extended 2.00m to W, following line of TAB wall until the corner stones appear to be chunks of slabs of schistose material 18cm x 10cm to 14cm x 5cm. All are rough & unfaced, & the wall is in poor shape. It is approx. 2 courses high, w/ a max. hgt. 35cm. At a large stone (30cm x 15) there may be a change in the wall - stone is 1.60 E of E wall of trench. Wall is lower to west, composed principally of slabs & a few cobbles & it gives the appearance of a terrace. The slabs are 10 to 20 cm x c. 4-5 cm. TAB rests on a hard clayey level w/o pebbles. Little earth overlies this wall - some of the stones are visible on surface - & the earth is only 5-10 cm

Plan Pts

24	N end RC not trench	0558	N 38° W	18.43
25	trench SW corner	0246	N 40° W	17.94
26	" NW	0248	N 38° W	19.25
27	" NE	0495	N 33° W	19.02
28	" SE	0545	N 34° W	17.43

145G

Overlying construction is fine tan soil, few stones, but with plant roots & modern small pebbles closer to surface, 65-75cm above TREE on S side. Stone predominately schistose slabs. Wall in poor shape, much tumble on N end; S end better preserved. TREE RC course is 15cm high, composed of slabs & climbing stones below; slab size c. 15 wide, 2-8 cm thick; rests on hard pebbly soil, clay-like, but not the distinctive borro of the other trenches. RC course 38cm back, 18-14 cm high; rubbly - small lajas, very broken looking, 15x10 to 20x3

RC 38cm TREE

Above this minimum eight stone thick section - also clear course; tilted E & N; 12-18 by 2-4cm

P79-5- 47

PHOTOS

79-5- ~~BWD 8~~

79-5 - BWE 9 QUARTZ wall, III I, looking S., METER AT 52 cm.

79-5 - BWE 10 III J Lower TERRACE (CHALCEDONY (ANTHRACITE)) and upper wall, looking N., METER AT 35 cm.

79-5 - BWE 11 III J, CHALCEDONY TERRACE, looking NW, METER AT 52 cm.

III I
BWE-12 QUARTZ fully exposed

79-5 - BWF-1 SILTSTONE, III G, looking E, METER AT 52 cm.

BWF-2 SAME, looking S, METER AT 35 cm.

BWF-3 GNEISS wall, III L.

BWF-4 GNEISS wall, III L.

BWF-5 STEATITE AND SANDSTONE walls, III K.

BWF-6 STEATITE AND SANDSTONE walls, III K.

1 MAY BWF-7 ZEALAND wall C/E Str 22

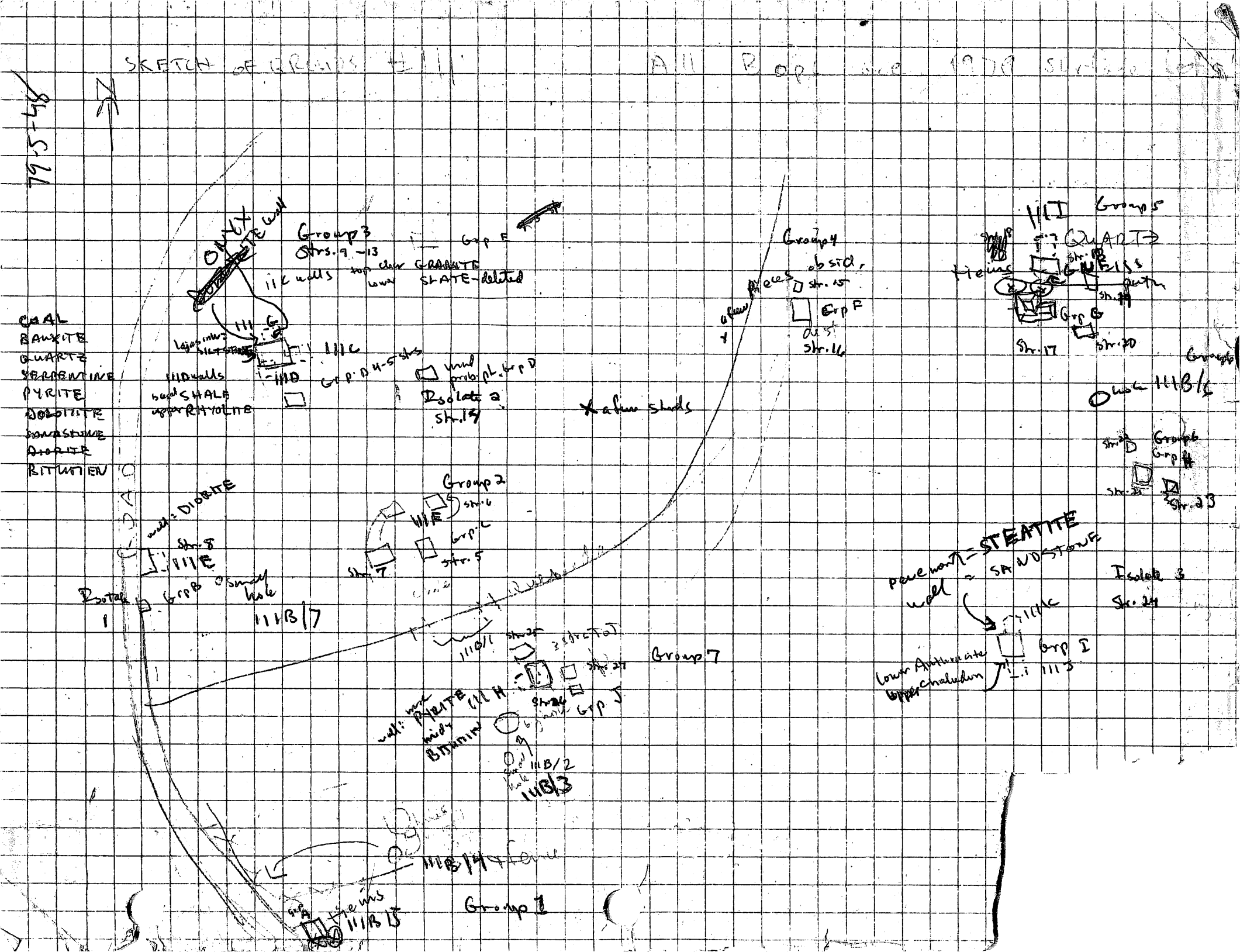
BWF-8 ZEALAND wall in toto Str 22

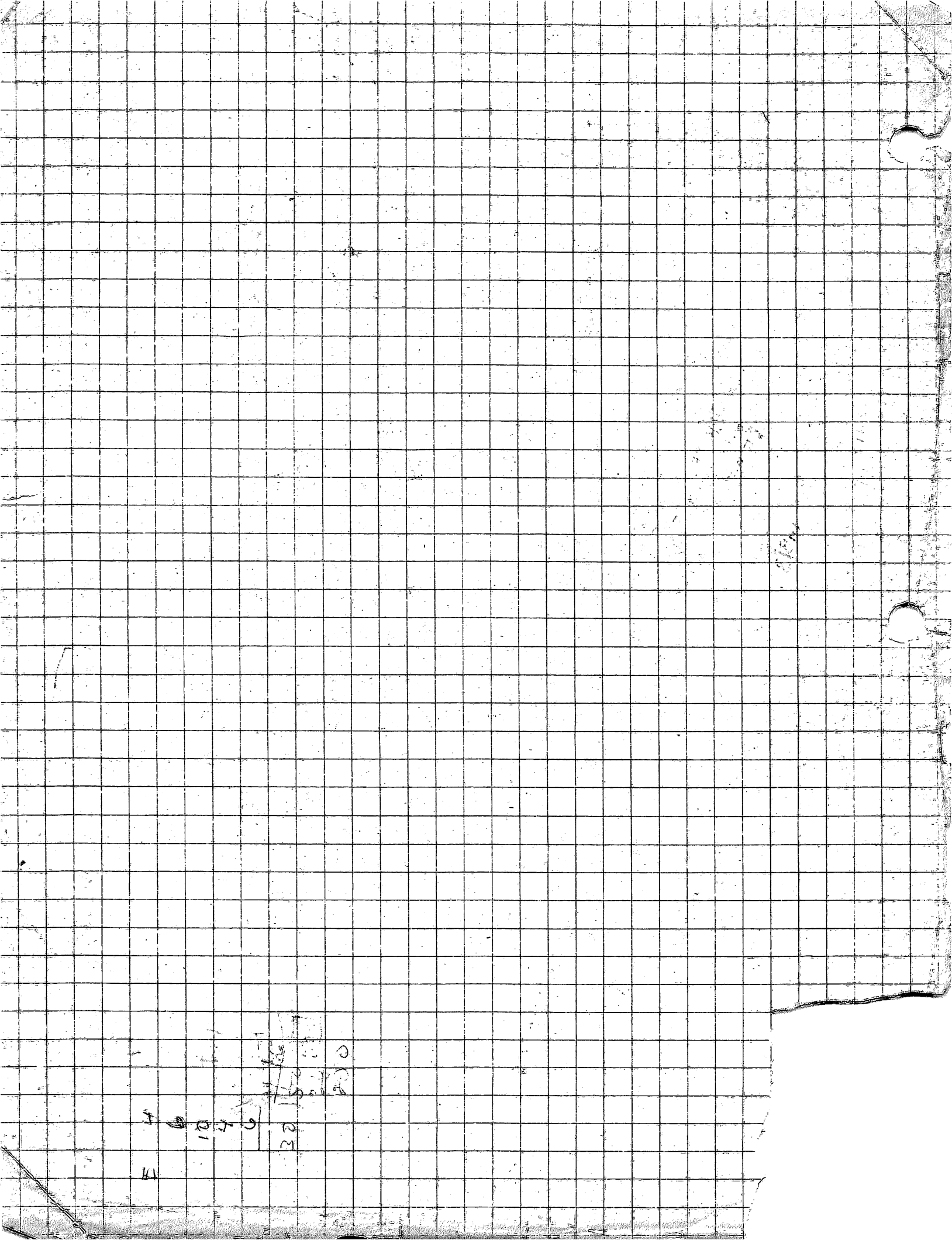
2 MAY BWF-9 JAVA wall, 116 I, looking E. Str 22

BWF-10 BORNEO WALL, 116 H, looking N. Str. 22

11

12


SKETCH OF GROUPS
All Rock
79-5-48
N
Group 3
Strs. 9 -13
top clear GRANITE
lower SLATE-deleted
Grp E
Group 4
obsid.
Grp F
Group 5
Grp G
Group 2
Grp C
Group 7
Grp J
Group 1
Grp A
Group 6
Grp H
Isolate 1
Isolate 2
Isolate 3
Str. 24
GRANITE
SLATE
QUARTZ
CHALCEDONY
PYRITE
WOLFRITE
SANDSTONE
AGATE
RHYOLITE
DIORITE
STEATITE
SANDSTONE
SHALE
Group 1
Group 2
Group 3
Group 4
Group 5
Group 6
Group 7



4/24/79

IIIC EAST side of STR. ; A 1.5m N.-S. x 1.0m E.-W. TRENCH designed to locate construction and terminal occupation debris. Lot IIIC/1 comes from E. of construction primarily - no stones being found above recognized walls - in fact, sitterd density appears to increase eastward away from the structure. Some material found beneath structure tumble. Proposing to clean inwards (W.) to better define the walls and then cut in from fill.

IIID South side of STR. (same as IIIC); A 1.5m. E.-W. x 1.0m. N.-S. pit placed against the S. side of STR. To locate terminal occupation debris and floor plan. The upper course, visible on the surface, is quite clear. A lower course, probably partly destroyed in digging, was also located. Built primarily of schist laja, this lowest course was followed east until we hit the SW. STR. corner. cleaning for photographs now.

IIIE

We believe we have found a wall, although it is neither good nor particularly clear. The "wall" - DIORITE - stand 35 cm to 50 cm high. It is composed of rounded stones, by & large, ranging & large ones 30 long & 18 high to ~~15 x 5 cm~~ avg seems about 18-20 by 5-10. There are also some chunkier rocks, not at all rounded, which are small & may have been chinking stones. It is difficult to perceive coursing but DIORITE probably stood 2 cobbles high, supported at its base by small chinking stones & possibly laja, very small ones 12-15 cm long & 2-3 thick. This is an ugly stretch. The soil is a medium brown, ~~fine~~ medium textured w/ some sand & pebbles. The soil below the wall is little different - it seems browner, but may just be damper. There is little ~~wall~~ tumble - what there is extends only c. 35 cm E of DIORITE. The excavation is 42 cm below NE corner. On the basis of surface indications, DIORITE begins 84 cm W of where we thought there might be a wall. There are 25 to 50 cm of earth above DIORITE (25 cm N)

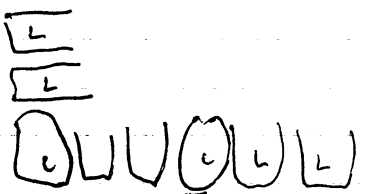
24 April 1979

HD

RHYOLITE wall, the upper level visible on the surface, is composed of medium to large cobbles (eg. 30 x 45 x 15, small to avg 20 x 7 cm) resting on lajas & packed/chinking stones which are small chunks. It stands 25-30 cm above the lajas (which are 33 x 2 cm & 24 x 5 cm). On the W the large stone stands alone; to E w/ smaller stones wall is 2 stones high. RHYOLITE may not turn N, but merely corner w/ GRANITE on E side to form wall on S & E sides

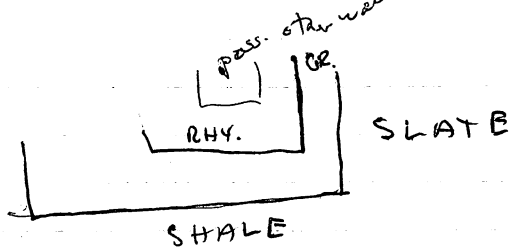
The lower wall, SHALE, is composed of cobbles & lajas, & projects 85 cm to S of RHYOLITE. It is 1 stone thick, either a cobble or a thick laja w/ a few chinking stones under. The pattern seems to be 2 lajas & a cobble, 2 lajas & a cobble, w/ a cobble at what we think is the corner. The exposed length is 1.30 m E-W & .95 N-S. The corner cobble seems chosen for its 2 flat faces, & is 20 cm thick. 30 E-W Lajas are 15-18 wide, 5 cm thick

Sketch Plan



The area between RHYOLITE & SHALE is disturbed & the men probably ripped out some of SHALE

Str sketch



We are uncertain about the shape of the Str - it may be like a wedding cake w/ largest towards S & W, next largest on S &

4/28/70

PHOTOS 79-5 - BWD-8 ~~4~~ IIIC, looking W., GRANITE (upper) wall + SLATE wall, METER AT 35cm.

BWD 9 - IIID, Lower course, looking N; METER AT 85cm.

BWD 10 - IIID, upper course, looking N; METER AT 52cm.

BWD 11 & 12 III B & E

28 APRIL 1979

79-5 - BWE 1 IIIH PYRITE wall, str. ii (grp J) m = 35cm

E 2 IIIH above PYRITE, ~~+ [illegible]~~ poss. wall line m=35cm

E 3 IIIH PYRITE ~~+ [illegible]~~ wall m=35cm

E-4 IIIH PYRITE ~~[illegible]~~ lines W of it, COAL + BAUXITE (Coal in middle, Bauxite on top)

E-5 IIIG - ONYX, from N. - showing NW. corner with LARGE olla SHERD beneath W. tumble. METER AT 35cm.

E-6 SAME, looking SE

E-7 ONYX, IIIG - E. end, from W. METER AT 52cm.

E-8 ONYX, IIIG, NW. corner STONE(?), METER AT 52cm, from N.

Ed's CAMERA, color - #6, looking S., showing NW. corner ONYX + #9 - GEN'L. EXCAV. in IIIC LARGE olla SHERD beneath TUMBLE. METER 35cm

#7 - SAME.

#8 ONYX wall, from N., 52cm.

4/24/79

LOTS

111 A - refers to 1977 surface cells.

111 B/1 from outwash into quebrada which runs between the various groups. S. of 111 F.

111 C/1 earth E of constructions above poss. construction primarily in

111 F/1 - From earth away from construction.

111 F/2 - From among stones in toward the mound & below possible tumble up to 2.80 m W of trench E wall

111 B/2 - From Backdirt around large hole apparently dug for cattle watering. Grp. J.

111 B/3 hole slightly S of large hole from which came 111 B/2

111 B/4 hole mapped in 1977 & holes of fence posts near it

111 B/5 cut strs. & fence post holes near 1st group mapped in 1977 - the one cut by road

111 D/1 earth S of walls/construction and above SHALE

111 E/1 earth E of DIORITE probable wall

111 E/2 among stones & earth of probable tumble fr/ DIORITE wall ~~up to 2.80 W of trench E line~~ Chata big hole

111 B/6 general surface of group B - specifically from in hole (shallow) E. of gp. 111 E.

111 H/1 earth E of stri, & above construction PYRITE

111 E/3 beginning W of line 2.80 m W of trench E line in earth below stones

111 E/4 from stones above earth beginning at line 2.80 m W of trench E wall

25 April 1979

Tying in new group (J) w previously mapped strs.

1	Sta (1) to SE corner str.		N71°30'W ✓	27.60
2	" SW corner str		N79°45'W ✓	30.40
3	sta (1) to TP①		S72°30'E ✓	30.56
4	sta (2) to TP①		N81° W ✓	30.40
5	" location III B/1 lot tramp		N58° W 1	8.90
6	location minor compon III B/1 + Quab		S34°30'W 2	19.50
7	Quab point		S35° W 3	30.50
8	Quab pt.		N29° W 4	19.60
9	Quab pt.		N35°45'W 5	30.50
10	Quab pt. - Quab bends N after this		N42°15'W 6	35.00
11	Sta. (2) to TP②		S72° E 7	30.50
12	Sta (3) to TP②		N34°15'W ✓	24.70
13	Str. i SW corner 30 m high		N36° W ✓	27.90
14	25 SE		N29°15'W 1 ✓	29.75
15	NE		N26° W 2 ✓	27.40
16	Str. ii NW .50 m		N25°30'W 3 ✓	21.90
17	26 NE		N11°30'W 4 ✓	17.90
18	SE		N25°45'W 5 ✓	14.20
19	trench III H NE corner		N15°15'W 6 ✓	19.40
20	NW		N17°15'W 7 ✓	20.00
21	Str. iii NW .10 m		N0°30'W 8 ✓	22.00
22	27 NE		N 7° E 9 ✓	22.40
23	SW		N 1° W 10 ✓	18.90
24	Rock concentration 2.5 m diam		N3° W 11 ✓	13.20
25	Hole - III B/2		N34° W 12 ✓	8.40
26	"		N60° W 13 ✓	13.70
27	"		N88°45'W 14 ✓	14.00
28	"		S63°15'W 15 ✓	8.30
29	"		S86° W 16 ✓	2.50
30	LOT III B/3		S57° E 17 ✓	6.80
31	Sta (3) to TP ③		S18° E 18 ✓	30.52
32	Sta (4) to TP3		N27° W	30.52
33	N. end EARTH HEAP #1		N10°30'W.	11.0
34	S. " " " "		N 09° 0' W	10.90
35	N " " " " #2		N 32°30' W	14.30
36	S " " " "		N 39° 0' W.	9.10
37	EARTH HEAP #3 P1		S 70° 0' W.	7.30

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MAP PTS. CONT.

38	Mid Pt. EARTH HEAP #3	S67°30' W.		11.20
39	End " " " "	S 53°0' W		13.30
40	SW " " " " #4	S 26°0' W		12.70
41	NE " " " " " 4	S 23°0' W		7.80
42	FENCE CORNER (SE) NEXT TO ROAD	S 30°0' E.	✓	23.60
43	STA ▲ TO T.P. 4	S 45°30' E.	✓	30.0
44	STA ▲ TO T.P. 4	S 59°30' W.	✓	16.16
45	STA. 44 curb by road SE. corner	S 37°0' E,		12.80
	" " " " " SW "	S 14°0' E.		15.10

EARTH HEAPS #1-4 = 111 B/4

PLAN POINTS

Str. ii, Grp J, 111 H

IH = 1.41

1	111 # NE corner trench	1358	S 48° 25' E	1	3.91
2	SE corner trench	1398	S 52° 50' E	2	4.90
3	PYRITE S side	1478	S 47° 45' E	3	4.94
4	PYRITE N	1569 555	S 43° 45' E	4	4.23
5	BITUMEN N end	1416	S 40° 10' E		4.34
6	BITUMEN S	1377	S 43° 15' E		5.15
7	SW trench	1210	S 33° E	5	5.83
8	NW trench	1148	S 25° 45' E	6	5.10

BITUMEN is deleted

9	COAL N end	1444	N 37° 15' E	7	4.39
10	COAL S end	1442	N 42° 20' 25" E	8	5.13
11	BAUXITE S end	1415	N 38° 45' E	9	5.25
12	BAUXITE N end	1426	N 33° 15' E	10	4.54
~~13~~					
14	111 E				

13	E corner trench	N 76° 15' W	4.69
14	S corner "	S 84° W	5.33
15	W corner "	N 89° 15' W	6.69
16	N corner "	N 71° W	6.41
17	DIORITE W end	N 85° 15' W	6.26
18	DIORITE E end	S 86° W	5.40
19	Mound NW corner	N 78° 15' W	8.48
20	NE	S 65° 45' W	3.25
	Fence + Mnd E	S 36° 45' W	5.95
	Fence + Mnd W	S 78° 15' W	11.28

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III H Str. 24

The wall seems fairly clear here. The basal level, PYRITE, consists of a large stone which virtually fills the trench. Above (W) of this may be another line which we have christened BITUMEN. We are now cutting into the Str. - Well, we may have more construction lines. They're being cleaned. We are also cutting in.
BITUMEN has been deleted

III F Str. 6

~~Continues to~~ produce sherds, but no visible construction. The sherds in the stones are being separated fr/those in the earth below.

III I Str. 18

Located in Grp. G, East of quebrada, in the W most Str. A 1.20 EW m by 1.5 NS m pit on the Str's N side. There is little earth, + few sherds, but many small stones fairly thickly packed. We are digging down into this level.

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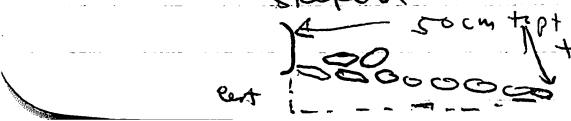
III I Str. 18

QUARTZ wall is revealed in all its splendor - a very clear wall, made principally of cobbles, but w/ large basal block which seems to be cut or at least roughly faced. Soil above wall & among stones is grayer - browner than lower layers, much less hard & dense - Stones of QUARTZ seem chosen for their flat sides - to be faced

We think base of QUARTZ was buried, to depth of 1 cm, because on W side it is supported by earth, & the tumble lies at the level of the top of this earth support. Tumble dense in W wall of trench for distance of 1.05 m to N. Under wall & tumble is some sort of "board" hard (dense, sandy, with a few pebbles) tamped

sketch



III G

AFTER HAVING found THE NW. corner of ONYX, TURNED S. TO SEE IF THERE WAS ANY evidence for a lajа pavement similar TO THAT noted in III D on THE S. side. I believe we've found it. Located c. 97 cm. W. of THE ONYX corner is a ~~line~~ line of cobbles + lajas exposed for c. 1.10 m. N.-S. - THE N. end does not quite come even with THE NW. corner of ONYX - I suspect part of THIS is due TO EXCAVATION removal. AS ~~[illegible]~~ in III G cobbles + lajas alternate - here 1 cobble, 3 lajas, 1 cobble (beyond extent.). LAJAS are c. 17-21 cm. W. x c. 23 cm. deep x c. 4-5 cm. THICK; cobbles are c. 16-20 cm. wide x c. 17-20 cm. deep x c. 8-12 cm. THICK. THE wall seems preserved TO 2 stones in height THE stones rest on THE HARD TANNISH clay level noted elsewhere in III G (under and up against THE base of ONYX.).

NEAR THE THIS HARD TANNISH level covers THE base of ONYX TO A depth of c. 14 cm. Brown / TAN } ONYX.

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Plan pts Sp.
111C ; 111D ; 111G 1H = 1385

111D						
	1	SHALE SW corner	1177	1	N 70° 15' W	10.12
	2	SHALE N pt	0992	2	N 66° W	10.54
	3	SHALE E preserved	1250	3	N 46° 45' W	8.92
	4	RHYOLITE SW corner	0436	4	N 63° W	9.58
	5	RHYOLITE E + NE Trench	0841	5	N 58° 10' W	8.65
	6	Footing lajas RHYOLITE	1015			
111C	7	GRANITE SPT	0765	6	N 21° 30' W	8.37
	8	GRANITE N end - prob. corner	0731	7	N 16° 20' W	10.07
	9	SLATE N end	1098	8	N 13° W	10.35
	10	SLATE S end	1168	9	N 15° 45' W	9.14
111G	11	ONYX wall E end	0761	10	N 29° W	12.40
	12	ONYX W end & NW corner	0645	11	N 36° 45' W	13.51
	13	MALACHITE SW corner? 70 m W	0538	12	N 46° 45' W	10.28
	14	MALACHITE E end 30 m W	0484	13	N 35° 15' W	8.99
	15	Sherd below tumble	1030			
	16					

5

6 188 field by corral - def- 1 poss- 2|1
197 5|1 Cerro Dulce E of sugar cane
198 Gemelos near cattle watering & fence crossroads
199 4|2 Garapatas
10 206 4|1 Insectos
12 201 post-Classic sherds

16
16
27-30

27 182 Queb. Pequeña 3|2
30 119 La Bomba 2|1
33

Guasima
2|1 180 Colibri
3|1 209 El canal

1 Elev & Plan
1 Sos Transit

1 Pinche Tarj; Clinches; Pozo
1 Porch ; Talsac
1 SBM
1 Brazo ; Chichipate ; Petoa?
1 S Rom
1 Puros Caballo

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Plan Points III I

I.H. 1.435

1	NE trench corner	1313	1	S27°45'W	1.47
2	NW trench corner	1356	2	S58° W	1.98
3	QUARTZ wall west end	1017	3	S41° W	3.38
4	QUARTZ E end	1168	4	S23° W	3.06
5	S. large Str. NW corner	1018	5	S21° W	10.48
6	NE	1121	6	S 5° E	11.71
7					
8	SE. corner TRENCH				
9	SW " "				
10	W. end GNEISS + NW. TRENCH.				
11	E. " " " NE "				
12	mound CENTER				

I.H. 1.405

Plan Points III J. I.H. = 1415

1	SW. corner TRENCH	1261	1	N4° E	2.72
2	SE. " "	1270	2	N23° E	2.61
3	E side ANTHRACITE + NE. cor. TR	1144	3	N22° E	4.37
4	W. " " " " " "	1090	4	N8°30' E	4.20
5	W. " CHALCEDONY	1450	5	N7°30 E	3.50
6	E. " "	1444	6	N22°45 E	3.67
7				21 20	
8				1°20	

Plan PTS III G, III C, III D I.H. = 1.42

Add 5° to NW. (71°30') make comp. 20 4/25/79

1	III D NW corner W extension	1204	1	N66°30' W	11.37
2	SW corner "	1265	2	N70°30' W	11.10
3	SE " "	1160	3	N65°30' W	8.61
4	Orig - SW corner	1132	4	N62°30' W	8.65
5	" SE	1102	5	N59° W	7.99
6	III C SE corner Orig-	1135	6	N3° W	7.75
7	NE " "	1082	7	N2° W	8.40
8	N extension SE corner	0999	8	N1°15' W	9.69
9	" NE corner	0949	9	N4°45' W	11.25
10	III G NE orig.	0879	10	N19°30' W	14.31
11	NW orig	0950	11	N23°45' W	14.44
12	jog pt.	0877	12	N25°45' W	14.58
13	NW corner W extension	0948	13	N35°30' W	15.38

wire trench follows SILTSTONE is .50 m wide

Next .65 m wide E-W

2 jogs .75 m .65 m

west .75 m S

LOTS

111 H/2 from tumble above COAL & BAUXITE Grns

111 H/3 among stones at COAL & BAUXITE & red earth level

111 H/4 red earth level below base of PYRITE, East of PYRITE wall

Plan Pts 111 C, D, G cont.

14	111 G	NW corner S extension	0905	N 32° 15' W	14.26
15		SW " "	0842	N 41° 45' W	13.19
16		SILTSTONE S end	0864	N 39° 30' W	12.93
17		SILT STONE N end preserved	1043	N 36° 15' W	13.69
18	retaking	SW corner SHALE/SILTSTONE	1213	N 65° W	
19		SHALE N pt	1038	N 61° W	+5°
20		ONYX corner	0652	N 31° 45' W	+5°
21		GRANITE N		N 11° 15' W	+5°

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Plan Points

III L + III I 1 H = 1.405

1	SE Trench	1029	5	S 18° W	7.57
2	SW	1044	6	S 25° W	7.70
3	NW trench & GNEISS W end	0992	7	S 26° W	6.62
4	NE " & GNEISS E end	0943	8	S 19° 30' W	6.53
5	mid pt - on Str for profile	0825		S 22° W	5.00
6	another profile pt	0882		S 22° W	3.81
7	QUARTZ W end	0982		S 40° 15' W	3.35
8	elev. soil change III I	1427		S 24° 30 W	2.71
		E of trench			
9	QUARTZ E end				

PLAN POINTS

III K I.H. 1.400

1	trench NW corner	1261	7	N 6° 30' E	7.65
2	" NE "	1228	8	N 15° E	7.84
3	STEATITE E end	1468	9	N 16° 30' E	6.89
4	STEATITE W end	1492	10	N 8° 45' E	6.78
5	SANDSTONE W of SW trench	1123	11	N 9° 30' E	5.78
6	SANDSTONE ~~E of~~ SE trench	1104	12	N 19° E	5.96
7	CHALCEDONY W end			N 9° E	
8	" E end	1149		N 21° 30' E	
9	trench SW	1251		N 4° 45' E	
10	SE	1260		N 23° 15' E	
11	Str. SE corner	1391	13	N 20° 45' E	5.99
12	SW corner ground high on W	1319	14	N 26° 15' W	3.93
13	NW	1362	15	N 15° 45' W	7.30
14					

27 April 1979

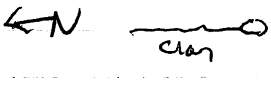
III L

After a poor start yesterday the wall has appeared quite clearly here, and does an outset step at its base (see drawing D79-5). The stones are cobbles and small lajas, c. for cobbles and for lajas. There are 2-3 courses in the upper section of the wall, and 2 courses to the lower. It rests on hard tan clay, but w/ little sand & very few pebbles. The base of this wall seems higher than the base of the N wall. Some sherds were encountered. In general, the wall lines are further back into the str. as it appears on the surface, leading me to believe that they (the walls) stood higher in the past. The amt. of tumble also seems to indicate this. Finally, the tan clay seems to have buried the bottom c.5 ~~7~~ cm of this wall, GNEISS

III K Str. 24 (1.60 m plan)

Distance b/ CHALCEDONY in III J to SANDSTONE is 1.40 m, wall exteriors. This N side is like the S side: small wall of cobbles & chinking stones preserved to height of c. 30 cm, but less well preserved than CHALCEDONY. It rests on hard clay, tan in color, somewhat sandy. Stones of SANDSTONE are c. 8 x 22 cm, w/ smaller stones at bottom, c. 4 x 8 cm. The S end of STEATITE pavement begins .50 m N of SANDSTONE base; ~~The~~ 9 is at base of SANDSTONE. STEATITE pavement is .46 m wide & consists of a single layer of small cobbles & less well-rounded stones seemingly all light in color - tan to white. The stones are c. 8 x 6 cm to 11 x 12 & c. 4 cm thick. Tan clay level runs up to STEATITE, but not over it. Above the tan clay is the usual softer brown earth w/ roots; there it has some sanding. There is little tumble extending N of STEATITE's N side, but tumble b/ SANDSTONE overlies STEATITE for .32 m N of SANDSTONE.

Sketch



N 79-5-62

27 April 1979

Surveying Fasch's land

#210 Sitio Fasch - on small rise - grnd drops to W ±5
definite heap of stone, but much disturbed by plowing - cobbles & chunks
az = S 7° E 6 paces SW x 5 paces c. 40 cm high
small stone concentration is at az S 60° E 5 m
corner chk at 6 paces c. 3 m diam

needs LT Cord → seeds in field to W - 1 A-3 ring piss. JICARO plus crunchies

#211 Henri

1 1/2 paces S of base of bluff; az of S 51° W of #210 to #211; to NW is hill which is cut by road; La Tristeza is to SW of here; disturbed 5 extant mnds; composed of cobbles & chunks; small quab c. 35-45 m, running SE of site
grnd drops W & SW

1	Str. 1	SE corner	.75 m	1	N 7° E	4.30
2		NE		2	N 10° 45' E	8.80
3		NW		3	N 27° 15' W	11.60
4	Str. 2	SW	poss Str 1/2 saddle	4	S 76° W	10.90
5	Str. 2	(SE) approx	.50 m	5	N 80° W	8.10
		saddle jnct	Str 2/3 saddle	6	S 79° W	11.80
7		saddle jnct		7	S 87° 30' W	14.70
8		NW corner		8	due W	15.40
9	Str. 3	NE	.40 m	9	S 84° W	16.00
10		saddle jnct		10	S 82° 15' W	15.00
11		SE		11	S 71° 15' W	12.30
12		SW		12	S 61° 15' W	16.30
13	Str. 4	NW	1.20 to 1.50 high	13	N 50° E	8.90
14		NE		14	N 67° E	15.30
15		SW		15	S 45° E	6.90
16	Rock concentration 2m diam			16	N 48° E	15.90

Strs 1, 2, 3 higher than Str 4

N79-5- 63

27 April

#24 continued Grp II c.

17	Str. 5	NE	very disturbed	12.15	S 47° E	19.20
18		NW	on edge of c. 1m drop	18	S 30° E	17.80
19		SW	to small Qwb	19	S 27° E	19.50
20	~~Lots of concretion~~		Str. 6 NW	20	S 7° 30' E	14.90
21	Str. 6	SW		21	S 4° 15' E	17.80
22		SE		22	S 12° 30' E	18.40
23	Sta A to tree on next grp.				N 55° W	114 paces
24	Sta B to tree				N 13° W	8.80
25	Str. 7	SE	brown	disturbed	N 12° 30' E	5.20
26		NE		.5 m	N 3° E	10.70
27		NW		deeper on S	N 21° 15' W	12.60
28	Str. 8	NW	lower	.56-.60 ins	S 86° 15' E	3.30
29		SW		lower N	S 21° E	2.30
30		SE	approx		S 50° 15' E	11.60
31	Str. 9	SE		N .25	S 7° W	11.00
32		NE		S .47	S 11° 45' W	6.96
33		NW			S 58° 15' W	9.70
34	Str. 10	destroyed -		.50 diam	N 76° 30' W	12.10

18 Str. 8 is continuation of Str. 7 NW

34 paces at NE-SW 3 x 3 paces

14 Str. 5 N 43° 45' W 9.80

15 N 15° 15' W 12.00

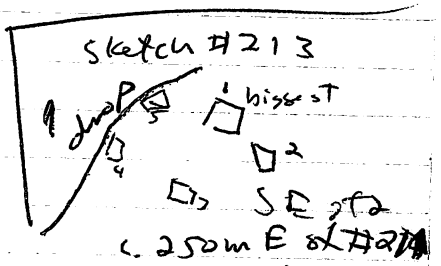
14 Str. 5 SE

14 Str. 5 NE 2 inches wide 105 E 8 long

#212

2 reported W toward highway

Sketch #213



c. 250m E of #212

#213 Slightly below crest of ridge with #210 in view. Quartz is small cobbles loose

1	Str. 1	NW		.50 m	1	N 8° 45' E	8.90
2		NE			2	N 18° 45' E	14.00
3		SW			3	N 39° 45' E	7.60
4	Str. 2	NE		.50 m	4	N 87° E	11.90
5		SE			5	S 80° E	16.50
6		SW			6	S 61° E	14.50
7	Str. 3	SE		.10 - .15 m	7	S 31° E	13.90
8		NE			8	S 35° E	11.50
9		NW			9	S 15° E	11.20
10	Str. 4	SW		.16 - .15	10	N 73° W	10.80
11		SE			11	N 69° W	8.50
12		NE			12	N 55° 45' W	9.50
13	Str. 5	SW		.45 m	13	N 45° 15' W	13.00

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III E- oriented S 80°0'W; 1.0m. wide; 1.8m. N. of SW. corner; 1.6m. S. of NE. corner.

Backfilled tobacco today as well as shooting points in III H and L, and note-taking there as well. While trenches were being backfilled we also walked ways, c. 1/2 km., to the S. onto Hanny Nash's land, following the small guadrada on which tobacco sits and one of its tributaries. 3 sites found- A 211 mucit designated; A 5/2 and A 7/11/?? see notes (and further instruction) sites (#'s 210, 211, 212, 213).

Now we've moved on to a new site (Area Dulcy) located on the S. side of the NACO. Excavations here are being restricted in size to 1.0x 1.0m. test pits.

A Surface

B A 1.0x1.0m. pit in the W side of Str. ; west-most Str. in small Str. group on ridge S. of Staghorn Str.

C A 1.0x1.0m. pit in the W side of the same Str., 1 1/2 m. from the edge of the ridge, looking for trash.

B A 1.0x1.0m pit located at the spot where the possible postclassic sherds were found this year.

C A 1.0 x1.0m. pit located c. m. N. of the last pit.

Lots 19B/1 Earth for construction.

19C/1 Earth, Noi construction, ground surface to c. cm. below ground surface.

20B/1 30-60cm. Below Datum.

20C/1 25-50cm. Below Datum.

20C/2 50-70cm. Below Datum.

20B/2 60-80cm. Below Datum.

same Datum

27 April 1979

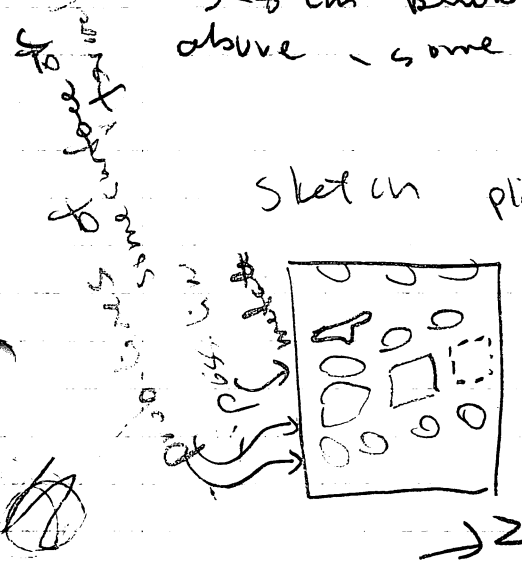
Op. 20 B/C - Many sherds, shell, some obsidian and one bone found so far in the first 25-30 cm. of soil pits. Tony W. has examined the sherds in the field and believes this deposit to be a pure Late Postclassic (Santa Barbara ware) deposit. He plans to continue the digging here on Monday April 30th, we are therefore restricting our efforts to the two test pits noted above. The deposit seems shallow - limited to c. 25-30 cm. below the surface, at which point there appears to be a change in soil from soft brown earth to hard yellow red clay. Sherds appear to drop off markedly in density in this lower level.

Op. 19 B - Densely packed with large stones, I believe we've hit the N. wall. If so it is well preserved, we are presently cutting in through the center of the trench.

Op 19 C. - Hitting a fair number of sherds, still going down.

Later later

We have not gone for the wall - just looking for sherds here. We have come down on a soil change c. 36 cm below GS at SE corner. Excavation: Above is usual light brown fine-textured silty soil w/a little sand. This upper level also has a few stones - 12x11 cm to 5x5 cm ± probable tumble f/ str. Underlying level is harder + yellower. There are a lot of sherds, but the number seems to be between 5-0 cm below GS at SE corner to BE or slightly above - some decrease at BE.



27 April 1979

lower course .26m deep x.31 long

upper course max .50 m high 22x13 rocks deepest wall .20m

Plan Pts

	197 B & C				
1	197 B	NE corner	1345	S57°15'W	8.57
2		SE	1328	S29°30'W	3.07
3		Send 1st poss. line	1671	S44° W	3.39
4		Send "	Mid trench 1660	S54°15'W	3.37
5		2nd " "	Send stream 1232	S63°15'W	3.66
6		" "	Send trench 1450	S46°30' W	3.74
7		SW trench	1271	S49°30 W	4.33
8		NW trench	1254	S62° W	4.32
9	197 C	NE	1662	N77°45'W	5.50
10		SE	1532	N88° W	5.12
11		SW	1545	S87°30' W	6.04
12		NW	1639	N82°45'W	6.40
		level soil change	1904		

20φ C - REACHED THE end of SHERDS AT ≈ 66 cm. B.D. EXCAVATION continued down to 80 cm. Lower level nodules AT very pebbly AS in 200B, more PEBBLY than. THE gray level is HARDER TO SEE HERE, THE upper more being AN ASSORTMENT Homogeneous GRAY-Brown river clay, rich in SHELLS especially NORTH THE SHERDS.

200C N 37°0'E 1.72 m NE. of 200B.

c. N 48°0'E 20φB

30 April 1979 #116

Trouble from the word go today - everyone feeling down & grumpy this morning, the electric stove busted, etc. Got off late, but Luis did have the key to the gate. Unfortunately, Jose Antonio Paz has shut the access gate from his property to the San Bartolo road. It is movable (the wire & post block), so we got through. But while unloading a chap in a government vehicle came by - We've seen him driving around before but don't know him - He insisted that while the mounds may indeed belong to the campesinos, the soldiers used the area for exercises & it was ~~is~~ dangerous. Moreover, we wouldn't/shouldn't do anything w/o talking to Col. Alvarez in SPS for permission to use the good road & ~~for~~ for him to call off manoeuvers (?) in the area. He insisted that Ed go up/in to SPS, which he did - So I'm by myself today.

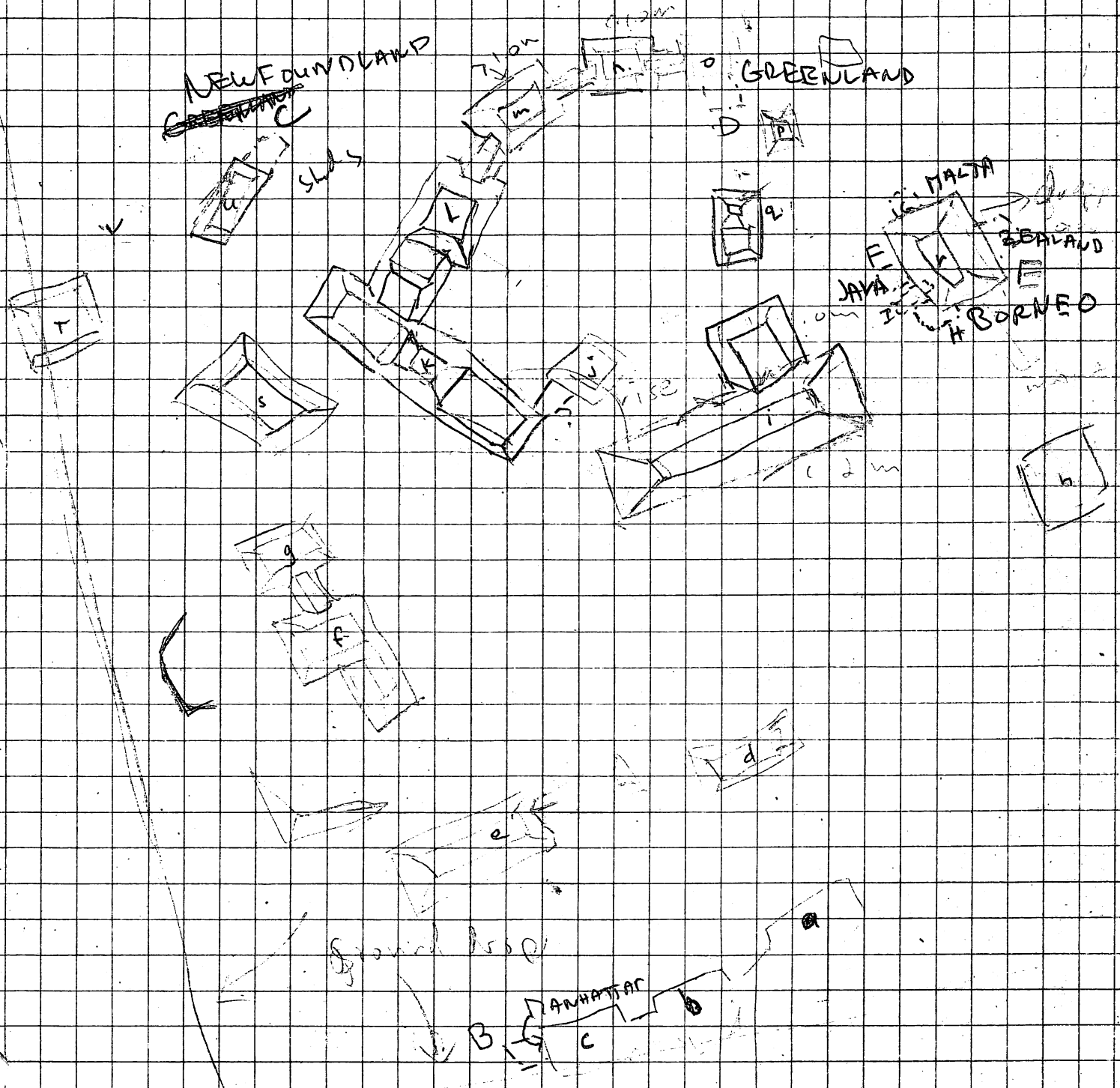
We decided to do Faschés land, and are at La Jamaica. I must relocate La Bomba & Quebr Pequeña so we can hit those Thurs. afternoon & Fri. Since La Jamaica is not really part of the survey design I don't want to spend too much time at it. Mostly I'm after sherd samples, and have tried to spread the men out around the site at different sized structures to maximize coverage. The locations are shown on the sketch map. All are 1.0 m x 1.0 m pits looking for walls & sherds. One str., probably the big one, will be done for plan. I refuse to get suckered into doing a lot of excavation here

Col. Taborda

In no trenches have we seen clear walls, except perhaps B, which is just coming out. All have much adobe, especially B & C.

A 19-5-68

N 30 April 1975



P3 9-5-69

LOT List

-116 B/1 surface to construction - earth & rumble - W side Str. C

-116 C/1 surface to 50 cm below G.S. (measured from corner) in earth on N side Str. 4

-116 D/1 Surface to construction, incl/ earth & rumble S of Str. 0

-116 E/1 earth E of construction Str 0

-116 C/3 among stones S of line 1 m S/ orig. trench N wall

-116 C/4 in earth below stones N of poss. construction, & S of line 1m S of original trench wall

-116 C/2 in earth above stones - top soil

1.65 meals

-116 A/10 surface finds - general surface, usually from animal holes, a few sherds each

Tony 6 20

E 4 165/4 6.40 = 35°

-116 A/11 from fence holes NNW of Str 4/116 C trench, C. 6 meters away

1.65 165/6 9.90 330 1320 4 165/20 3.00 330 4.30

-116 B/2 fill lot E of wall

-116 D/2 fill - earth & stone N of GREENLAND

Tony pd 40 us pd 10

-116 B/3 from internal stone level at top based course wall earth below

groceries us pd both gas

-116 B/4 from stones on Str. summit, E of line 1.30 m E of trench N edge, for approx 20cm

-116 G/2 in hard earth level N of construction

-116 F/1 earth W of construction

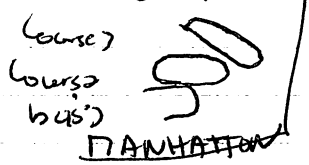
1 May 1979

In all trenches the walls continue to be something between obscure and destroyed. [Pat is sick]

116 B

The men are looking for the lower parts of the wall, which seems severely sprung. There seem to have been a cut block coming off the third course of the wall. In general, there are cut-looking stones all over the surface, but in no particular concentration. The feel is that the cut stones are perhaps reused or brought from elsewhere and simply treated here as particularly nice cobbles.

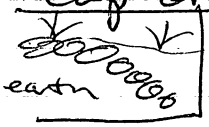
sketch



The cut into the structure is proceeding at the level of the base of the basal course

116 C

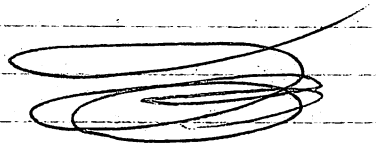
No good wall has been found so the guys are cutting in. The str. seems to be a thin cap of stones over earth fill. This pit has produced many sherds and a fair amount of obsidian more of both than the other trenches



→ Walls will be named after islands

116 E

We are calling off this excavation despite the fact that the back (E) wall, ZEALAND, isn't the best. It seems that the down slope parts of strs. suffer more than the other sides of this is no exception. What remains is a possible 4 courses, somewhat sprung & distorted but still visible. The stones are predominantly cobbles of medium to large size: smallest c. 12 cm in diameter, others 25×16, 30×8, 24×5, 20×6. The basal-



Stones are largish & possibly limestone: eg. 35×8 for the only completely cleared ex. Packed between the larger stones are small cobbles/chinking stones, 3-6 cm in diameter. There are a couple of platey-type stones, though no real layers. From the large size of the stone remains in tumble, this wall seems to have been hefty in the past. It is difficult to be certain, but it may have been in a series of steps/terraces rather than a straight rise. It rises about 50 cm over a vertical distance of 50-55 cm. Tumble extends 90-95 cm E of ZEALAND wall. Top of basal course is 32 cm below GS, & upper most course is 12 cm below GS. Under wall earth seems pebblier & somewhat harder; & earth right by basal course looks a little blacker. There is no distinct humus layer.

DISTANCES

walking along fence lines 826 short paces to gate E of #211.

Shards in field between Jamaica and #211 - field is c. 360 paces N (az) of Jamaica & is in field to W of Jamaica's field. Jamaica's field & the one to W are in fairly heavy mesquite.

OP 116 F

On W side Str. r on SE corner of pit 1.0 m 35 cm below GS x 75 cm E W - on poss. outset 2 bone flags

OP 116 G on N side Str. r, looking for limit NW corner

OP 116 H on W side Str. r looking for SW corner

116 B

This virtually finished, after a cut into the structure. The wall isn't much clearer than front on, but we believe we are inside the structure & fill lot has been obtained - shards, obsidian, adobe

2 Dec 1979

~~[redacted]~~

PLAN PTS

116 B IH = 1.415

1	Trench SW corner	1518	S 8° 15' E	3.74
2	NW	1483	S 22° 45' E	2.85
3	NE	1128	S 43° 30' E	4.89
4	SE	1155	S 33° 30' E	5.32
5	MANHATTAN wall N	1515	S 37° 50' E	4.18
6	" S	1548	S 33° 30' E	4.38
7	Str. NW corner	1359	S 40° E	3.83
8	SW	1642	S 15° E	6.20

116 C IH = 1.45

1	Orig trench SE	1355	S 53° 30' W	170
2	" SW	1159	S 51° 10' W	3.87
3	Little exten NW	1091	S 67° 15' W	4.51
4	orig NE	1388	S 82° 45' W	2.18
5	NEWFOUNDLAND wall N	1527	S 69° 45' W	3.06
6	" S end adjacent	1535	S 53° 50' W	2.64
7	Str. K NW corner	1304	S 75° 45' E	7.40
8	SW corner	1372	S 34° 30' E	8.03
9	Str. S NW	1349	S 2° 45' W	8.55
10	" NE	1461	S 31° 30' E	18.25

116 D IH = 1.46

1	Orig trench SW corner	1597	N 78° E	3.62
2	NW corner Next	1246	N 41° E	4.32
3	NE ext.	1171	N 49° E	4.79
4	NE orig.	1389	N 42° E	4.93
5	SE orig	1637	N 79° E	4.77
6	GREENLAND E end	1702	N 43° 15' E	4.86
7	" W	1858	N 41° 30' E	3.96
8	Str. SE corner	1571	N 46° 45' E	7.14
9	SW	1444	N 46° 45' E	2.63
10	Sta to Sta near Str. S	215°	S 40° E	29.35

A29-5-73

2 May 1979

116 B

At the level of the top of the basal course of MANHATTAN wall there is a stone layer. Some of these rocks are quite large & we have not tried to remove them. Above these stones is a layer of earth & sherds w/ some adobe frags; more adobe frags were found among the rocks of this lower level. We are going further East into the Sh trying to sort out these layers & see if we might have an earlier plat form. The men are removing the stones which cap the visible Sh - sherds in here are 116 B/4. Next we will take back the earth - 116 B/5; and after that, probably, cut into the lower stones again.

116 F, G, H

No walls forthcoming in any of these pits but a good number of sherds for F & G

PLAN PTS Sh. r

1	116 E NE wall	2068	1 S 60° 30' E		11.42
2	SE	2090	2 S 58° E		12.28
3	ZEALAND N end	2005	1N S 53° E		10.89
4	ZEALAND S	1915	2 S 50° 50' E		11.54
5	SW trench	1525	3 S 48° 15' E		11.40
6	NW trench	1514	4 S 50° 15' E		10.44
7	116 F NW corner	1800	5 S 37° 20' W		7.55
8	SW	1233	6 S 34° W		8.63
9	JAVA S	1353	3 S 26° W		8.35
10	JAVA N end	1225	4 S 25° W		7.67
11	NE trench	0705	7 S 19° 45' W		7.60
12	SE	6772	8 S 19° 35' 40" W		8.40
13	116 G BORNEO W end	1599	5N S 25° 30' W		11.13
14	BORNEO E	1544	6N S 19° W		11.84
15	UPPER BORNEO E	1055	7 S 17° 30' W		11.54
16	UPPER BORNEO W	1248	8 S 25° W		10.85
17	trench SE corner	1345	9 S 20° 15' W		12.1

- 116 H/1 earth of tumble near SW corner str.

- 116 F/2 among stones - poss tumble on W of str

- 116 F/3 in earth overlying stones of poss. outer

- 116 B/5 in earth under stone cap but above large basal stones

- 116 B/6 in earth stones below level of large basal rocks

- 116 G/3 in earth stones of W enclosure
- 116 I tumble of construction str W wall
- 116 F/4 from exploring for wall ~~to~~ into str - poss. fill

116 J/1 tumble of construct, str ~~wall~~ "SE corner" of wall

PLAN PTS — cont — H.I. 1.470

18		trench SW corner	1417	10 S25°15' W	12.38
19		SE corner W extension	1353	11 S25°50' W	11.47
20		60 units N SW W ext. ext.	1374	12 S28°45' W	11.11
21	116G	Poss. E pt. MALTA	1062	95 44°15' E	3.19
22		Poss pt. MALTA	1568	10 S 36° E	3.03
23		Poss W pt. MALTA	1535	11 S 12° E	2.93
24		NW corner W ext.	1291	13 S 17° E	2.00
25		NE W ext	1320	14 S 33° 45' E	2.03
26		NW orig	1415	15 S 47° 45' E	1.58
27		NE orig	1382	16 S 62° 45' E	2.54

36 4'
3 15

3 May 1979

116 I
60 m wall NS X .75 EW between F & H dept

116 J 1.0 x 60 m on "south" side str. trying to resolve the missing side

DS-S-74 B

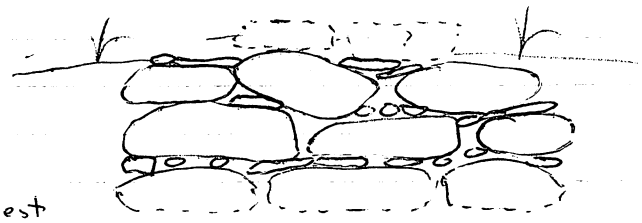
3 May 1979

116 H

BORNEO wall

Consists of a basal course of large cobbles, only 1 visible layer, outlining the remainder of the wall (22-25 cm. The stones run 25 wide x 29 deep x ? thick. The lower course runs under, for the most part, the upper levels. The lower line continues to W wall of trench. The upper upper course is preserved to 33 cm above top of basal stones. It consists of large cobbles, some, perhaps, roughly faced & chosen for their flat sides. Exs of sizes: 2? wide x 26 deep x 11 thick; biggest 38 wide x ? thick; another 2? wide x 14 thick. We can see in one place 2 courses of cobbles w/ small lajas & chinking stones in between - c. 8 x 3 cm for the small laja. The second or third course - highest preserved - is visible on the surface or is overlain with only 5-10 cm of earth/topsoil. Topsoil is gray brown tending to black, silty & clayey? w/ many small pebbles, soft.

Sketch



lowest course

Below the wall is a level of hard tan to reddish tan clayey soil w/ much sand. This level does not lap up against the front of the basal course by 5-? cm

Types of rocks used include limestone - a lot - some basalt, schist lajas

116 G

MALTA wall is in poor shape. For 6? cm of trench E wall it is fairly well preserved. It consists of med-large cobbles as a probable basal

course, probably sitting on small lajas. Stone sizes for cobbles: 25 wide x 24 high; 23 wide x 14 thick. The state of the wall precludes discussion of coursing and chinking stones. Max. height 26 cm. The many small rounded flat stones suggest many chinking stones.

SOILS: Topsoil is gray to black brown, soft, as in BORNEO pit. The lower level is a very hard coil, rising c. 11 cm above base of excavation coming in c. 41 cm below datum on SE corner. It seems to overlap wall base by 5-6 cm. It's the usual hard tan clayey soil w/ sand, fairly fine in texture. Ed's impression is that it's really like the T level, only well backed & w/o roots. It is not sterile.

The probe into the structure revealed solid rock fill. Tumble extends to N c. 56 cm

PLAN PTS

				degrees fractions.
1	MALTA E end	1516		S 47° E (1°45') -2°45' (2°15') 3.72
2	NE W extension 116	1280		S 37° E -3°15'
3	116 FSW corner	1202		S 33° 45' W +45'
4	NE	0669		S 190 W +45'
5	116 H BORNEO Top W end	1214		S 240 W +1°
6	BORNEO W bottom			S 240 30' W +1°
7	SW trench	1386		S 240 10' W +1°05'
8	SE trench	1319		S 190 30' W +45'
9				
10				

We are having problems with the plan pts. The 116 G pts are way off - 2°45' to 3° too large in the SE while we are consistently 45' to 1° too small in the other pits on the S W

37 cm 19 Sq

PLAN PTS 1" = 1.43

116F					
1	Upper JAVA N		1059	S 22° 10' W	7.65
2	" " Sand		1085	S 21° 45' W	8.28
3	116I JAVA North		0961	S 22° 15' W	9.11
4	" Sand		1117	S 22° 10' W	9.88
5	BORNEO/JAVA corner		1193	S 22° 50 10' W	10.89
6	116I SW		1155	S 25° 15' W	10.99
7	NW		1081	S 25° 45' W	9.17
8	to new Sq		1394	S 14° W	14.95

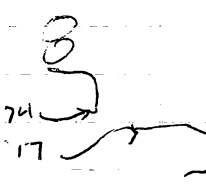
116F N 14 E

JAVA wall & outset pavement. Pavement seems to project .08 m W of base of wall, and is made of large cobbles, c. 2 cm long x 4-6 cm wide

JAVA wall is poorly preserved & seems to have consisted of courses of cobbles, with the largest resting on the possible pavement. These large stones are c. 3 cm long x 3 cm wide x 12 thick - 3 appeared in pit, but somewhat sprung.

JAVA is preserved here for .30 m above large basal course - .42 m in all. It is made of small cobbles, here in 2 courses, stones are 9-15 cm thick and 10-20 wide. There are also small chinking stones, rounded ones and small pieces of lajas

Soils: Topsoil level is the same as H+G, as is the hard level underlying the construction. The hard level seems to have buried construction to depth of c. 5-6 cm



116F

The stretch of JAVA preserved here is quite clear. It is composed of rounded stones 15-20 cm in diam. packed up chinking stones. It stands 40 cm high & the top stones are visible since

P74-5-77

3 May 1979

PLAN PTS 116 J IH = 1.415

1	Setting back to Sta		N 140 E	
2	SW trench	1447	S 88° 45' E	4.80
3	SE	1451	N 86° 30' E	7.58
4	NE	1278	N 78° 45' E	7.10
5	BAFFIN mid pt	1382	N 80° 30' E	4.59
6	BAFFIN pass corner	1168	N 83° E	6.11

116 J A 1.0 m E-W. 1.15 m N.-S. pit located on the positive S side of the Str. (?). A partial success. We may have hit the wall we were looking for, Aspin, rather badly ~~Setting back~~ preserved, it appears to stand to 2 cobbles (c. 31 cm.) preserved height. The stones themselves are rather small-c. 13 x 7 cm. - the average size, the largest being c. 25 cm. W. 18 cm. TH. As with all of the others on this structure, a fine, black/grey clayey soil overlies the wall while it rests on a hard, fine tan clayey soil. This latter soil may bury the base of the wall by c. 5 cm. The wall appears c. 9 cm. below ground surface and base of excavation (i.e. to base of the wall) is c. 22 cm. Below ground surface is the N. corner very rich in sherds, the soil & of construction produced 3 medium bags of sherds

COLIBRI
180 B+C

P79-5-17
bottom

180B is a 1m x 1m piton S side of B Qr of the two Qrs Spr. 1
180C is on the B side of the same Qr. a is 1m

The Str. appears to be in bad shape - It is mostly chunky stones & the wall lines are not clear on the surface or so far in the pits.

9	Basal level		2092		
10	Str A	W corner	1603	S74° W	5.28
11		N corner	1967	N47° 45' W	5.45
12		E corner	2067	N49° 15' E	1.80
13	Q. edge		2964	N 11° E	21.56
14	Q. edge		2830	N 56° E	22.97
15	Rock core. 3m diam		2250	N 22° 15' W	2.68
16	Quarb. edge		2442	N45° 15' W	14.87
17	Str. B	NW	2108	N85° W	13.24
18		SW corner	2149	S71° 15' W	16.15
19		SE	1768	S52° 15' W	13.59
20	Summit		1166		

180C
ROOT wall is in poor condition although we have a clear basal level; it is also possible to see the way the wall has collapsed - bulging in the center of the trench where even the base stone sprung. Stones are approx 16-19 deep by 9-15 wide & 9-12 thick. 2 courses can be inferred - present hgt 22 cm; poss. 3 courses makes it 28 cm. Root rocks seem to be water worn limestone; also basalt & a few others.
Soil is dark gray brown fine silt w/ some pebbly and lots of roots. Underthis is a very hard black basal clay level, & the wall rests on this. The basal does not seem to have buried ROOT wall. The top of ROOT is visible on the surface. Tumble is throughout trench.

Done up to here 4/30

P79-5-78

31 May 1979

209 El Canal

209 B
1.5 m E-W x 1.0 m N-S pit on North side of East most str

209 C
1.0 m x 1.0 m pit on W side of Str.

In both we are looking less for walls than curbs. Both seem in poor shape & have probably been disturbed by plowing & the canal digging. The stones used are mostly chunky limestone & a limestone level is visible in the base of the canal. On Str there is a cut block which seems to be falling off the Str. top.

4 June 1979

209 B seems to have a small wall, but it is difficult to differentiate from the underlying rock level. In the trench walls the wall area is clearer, standing in some distinction to the earth & rumble. The wall is very small stones - pieces of the prevalent local limestone

209 C also seems to have as small wall, made of larger chunks of limestone than in 209 B. No level of packed small stones has been reached here, unlike 209 B

Lots: Lot 209 A/2 — From animal burrow S of group
180 B/2

PLAN PTS

2048			1H=1.48		
1	NE trench	1400	S 43° 30' E		10.92
2	NW trench	1372	S 38° 15' E		10.52
2048=Trunk C-Stump 3	TRUNK W	1127	S 34° 45' E		11.83
4	TRUNK E	1139	S 38° 50' 55" E		12.30
5	209 C NW corner	0434	N 78° 45' W		10.55
6	SW	0408	N 85° W		10.56
7	STUMP Send	0590	N 84° W		9.86
8 Summit 0278	STUMP Nend	0656	N 79° W		9.53
9	Trench NE	0365	N 78° 15' W		9.51
10	" SE	0345	N 84° 15' W		9.43
11	Shr. SW corner	0593	S 78° W		10.34
12	NW corner	0471	N 60° W		9.91
13	NE corner	1178	N 22° 45' W		4.37
14	Shr. SE corner	1276	N 40° E		6.02
15	NE of Quad	1346	N 32° 30' E		11.22
16	NW	1013	N 140° 5-10' E		12.92
17	Summit	0800			
18	Contour Pt	0759	N 25° 30' E		10.21
19	Quad edge	1765	S 40° E		3.05
20	" "	1711	S 10° W		11.60
21	Quad bottom	2512	S 0° 45' W		10.57
22	Shard concentration 209A12	0891	S 41° 30' W		20.41
23	Quad bottom	2248	N 78° 15' E		5.55
24	Shr. NE corner	1748	S 53° 15' E		15.64
25	SE	1039	S 40° 30' E		22.15
26	SW	2063	S 170 50' E		21.42
27	209A13	0556	N 8° 40' W.		2.85
28	209C				

STUMP wall is composed of chunks of limestone largest 33cm wide x 20 thick x 25 deep; most much smaller eg. 30 x 11, 16 x 7. Wall poorly preserved, & poss. stood 3 courses high. Now it stands c. .38 m high. It's hard to say where wall stops & underlying stones begin. We think we have the base because apparent is approx. equal to this level. Soil is all black & soft w/ small pebbles, dry & fine textured & crumbly. Below SE corner excav. is down .57 m. This wall is 13cm below GS - on N stone touches G.S. Most shards near GS

4 May 1974

209 B

A big surprise - behind what we thought was a chunky wall the men found a cut block wall! So TRENCH wall is deleted - The new wall is LEAF. Actually what seems to have happened is that what was the top of LEAF, an upper course which was in the process of tumbling out to the north. This is what I thought, on the basis of surface indications, was the wall. It was when we had them dig down at the point of this wall that they uncovered the bottom preserved wall beneath. The upper, preserved course of this wall, indeed, consists of dry limestone blocks, while those of the lower course (see drawing) do not seem (well-squared) thought to be their front surfaces do seem relatively flat. The wall itself seems to consist (as preserved) of 2 courses of stone - the upper dry-block and the lower, less well-shaped course, and between these are packed many small chinking stones. The BIG QUESTIONS is, what happens to the wall below. As far as we could determine the wall continues down at least another c. 14cm. below the second course, represented now by chinking stones only. I probed around beneath the lowest stone shown and ~~could~~ did not locate more stones I would associate with the wall. This probing was limited. The wall may go down even further (why so deep here and no place else?).

S. of LEAF wall we excavated over 1/2 the trench (the excavation was divided in 1/2 length-wise in cutting down behind the wall) A "floor" (bad surface) consisting of large (c. 30cm. L + 20-25cm. wide) relatively flat stones. The surface is located c. 34 cm. below the preserved top of LEAF and runs ~~E~~ S. to the S. end of the trench. We should proceed directly after this surface for some.

Now, the big problem, so we have this wall + floor, what's hanging it. Soil features are covered on their N. + S. sides by a deep (c. 60-70cm. deep) deposit of tightly packed ± horizontally-laid stones packed around with fine black-gray soil (clay/silt-very black) It looks as all the world like soil and it appears that at some point these 2 features

2cy B (cont.)
wood burned by a later construction which extended further to the N. than was excavated. As the deposit, packed horizontally laid stones continue unabated in that direction. Also note that they continue into the sides of excavation to the N. of Loci wall, though it's our suppositions as to the sides of the wall and corner, probably not too much deeper. Rocks seem to be larger W. of Loci. And towards the sides of excavation. The rocks in fill are rather irregular in shape, chunky and not the do not seem to be river cobbles.

The depth of the wall noted in 2cy C is another striking, especially considering the shallow depths at which the bedrock most of the walls so far excavated have been found.

2cy C

Another comedy (tA, HA) of errors. As the ages indicate, we thought we had a wall, mapped + photographed it and then backfilled the trench. When Loci 2 came out in "B" we thought (PM principally) would further have another look at "C" so a small, c. 75cm E-W +1.0m. wide w.-s. trench was opened up in the old trench. Thought our previous (stump) wall they were and, low and-behold, we found the "real" wall, c. 60cm. further E. (SAP wall). As opposed to Loci, SAP is composed of c. 3 courses of large (c. 20x30cm to one large one c. 2-cm. H. + 65cm. wide) unshaped rough chunks packed around with small chinking stones. Itself being also pretty sure we have the wall base, the preserved wall standing to c. 60cm. high. The fine, soft black soil again overlying and around w. of SAP wall, though there is no evidence of burning, just another extension of layers to the west. (Thus, in that the stones found to that level down to the west and are not densely packed.) No good surface on which this wall might us were found, the color of the soil previously mentioned. It is possible that the earth immediately below the wall is decomposed limestone and stones packed-down. The base of the wall is c. 75cm. below ground surface, from S.E. corner. Most of the 2cy B fill stones were in Sect Loci + SAP primarily within limestone (soil), some

Also on the 2cy B fill stones were by the same. Some on any of "chunk" stones, may mean natural stones so far excavated. And in construction and fill. My comment

P79-5-83

7 MAY, 1979

Well, we got as far as CHICHIPATE (op. 169) when we found out that BENJAMIN PAZ no longer owns it - rather A Guillermo Ruiz is the owner. So, back we go to EL BRAZO to begin work there - we'll (Tom & us + Luis) will go after Sr. Ruiz's major domo tomorrow. (The Hinsbills, lives in San Pedro Sula.)

So, it's on to EL BRAZO.

Op. 155 A = surface.

155 B = A 1.0m. N.-S. x 1.5m. E-W. trench (one N. side) N-most group — High) str. in the center of the site (str. 6.) to determine architecture and, primarily, to obtain sherds from fill via a trench.

155 C = A 1.0m. W.-S. x 1.5m. E-W pit on the E. side of a relatively High (c. .75-1.0m. high) str. immediately on the edge of the slope (str. 11.) to determine architecture and grab sherds from terminal debris.

155 D. A 1.0x1.0m. pit in the W. side of the low, oddly shaped str. (c. 40cm. high.) in the "central" group. to obtain architectural information and sherds from fill. Str 15

155 E. A 1.0x1.0m. pit in the North side of the North-most str. in the Southern (by the road) E. Buildings) group Str 25 — Southern group — (one of the few possible architectural trash

155 F. A 1.0x1.0m. pit in the E. side of the W.-most str. in the Southern group. Architecture and possibly fill sherds Str 19

2 new workers today so we're up to 10 men. Pat + Luis off at 7:30 A.m. to see Vizas (+Sunday) who's coming into Naco today around 10:00 A.m. Hot + humid + muggy after a heavy downpour on Saturday (May 5) + mist on Sunday (May 6.)

So far, nothing much to report; several possible alignments are coming up in D + B + C, but nothing definite. The overlying earth in all the pits seems to be a dark black, hard, fine clay which the workers call "bad" stones - or rubble on construction? - are rather close to the surface - within c. 10-15 cm. Quite a few through which the depth of, say, Lear + SAP walls at op. 209. Sherds are definitely not coming out in abundance.

Still clearing off possible features, not many sherds.

As of lunch - c. 12 p.m. by the Sun I (Pat) has the north today / B has come down on a possible wall line c. m.

west of the original trench line - stones continue sporadically to cover the area excavated, being pecked in the original trench and w. to the above-mentioned line. Few stones. Dug down below the base of the line to the w. And and new clearing for a photo preparatory to digging in. I don't trust this line, by the way, as it seems as though it could be tumble. No new stones pecked w. of the line.

In C, a possible transeccable wall was pecked immediately in front of a slightly higher second possible wall. Photographed the first and w. and new taking out the central portion of the transeccable "wall" to see if the inverted wall was known mere depth. If it does, I would doubt the validity of the inner wall, it looks some of tumbled after clearing.

~~In all pits deep trench~~

PLAN POINTS 155 C (WITH BRUNTON AND TAPE)

1	NW. con. C.	3.38m.	1	S 24°30'W.
2	SW. " "	4.48m.	2	S. 25°15'W.
3	S. edge poss. wall	4.61m.	3	S. 8°30'W.
4	N. " " "	4.04m.	4	S. 8°30'W.
5	N. STAKE	10.20m.		N.0°0'-
6				
7				
8				

8 MAY 79 PLAN POINTS EL BRAZO 155 & F I.H. 1.445

1	SE. con. E.	7.89m.	1.422	1 S.74°45'W.
2	SW. " "	8.69m.	1.405	2 S. 69°30'W.
3	NW. " "	9.67m.	1.305	3 S. 75°30'W.
4	NE " "	9.03m.	1.352	4 S. 81°0'W.
5	E. end trench E wall	8.65m.	1.605	5 S 77°0'W.
6	W. " " " "	9.02m.	1.616	6 S. 72°0'W.
7	Base of trench in front of wall		1.901	
8	N. STAKE	10.17m.		N0°0'-

8 MAY 179

Vito arrived late (c. 3 p.m.) yesterday and came out to EL BRAZO today. Heavy downpour last night, sunny today after early cloudiness.

ISS E - may have also, c. 2 cobbles high, wall here. Cut down below it, photographed it and took the plan points - now cutting through.

ISS E - found what might be a wall here yesterday night against the S. line of the trench. Cleaned it and then followed it to the W. to test out its existence - seems to hold up pretty well. Took Belinda and Gemma off this and we were going to switch them to the [illegible] structure. Changed our minds as the [illegible] appears very clayey up + disturbed. So, B+G. are now opening up a new trench (1.0 x 1.0 m.) into the NW. [illegible] of the small E. str. Looking for hands primarily as the size of the str. - c. 25 cm. high - holds out little hope for intact construction

New op ISS G A 1.0 x 1.0 m. unit on the NW [illegible] of str. 23 (small, E. str. of the S. group.) to gain hands and, if possible, Architectural information.

ISS D Little to report - we cut in the trench that is now the [illegible] stones and found that the upper, interior [illegible] and little depth so the last unit was probably 'natural'. E—— presently having them chase the upper [illegible] to the SW. corner. stone. should be down soon.

ISS C - cut through/south the putative outer lower inner higher walls only to discover yet another wall inside - probably the 'natural' wall with the inner higher wall representing tumble. presently testing out the notion that the lower outer wall is some sort of large cobble pavement here.

ISS B - They've found a nice line here - a "2-step" wall with a lower 1st course of large cobbles surmounted by a second stepped back course of possibly recently placed smaller cobbles. (E.—— stone); presently we are leaving the wall intact and going down behind it for a fill deposit.

4 Jun 1976

PLAN POINTS

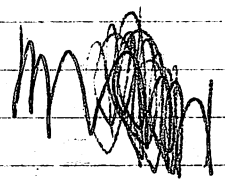
Exp III

1	155 E	NE corner	1263	N36°45' E 1	13.88
2		SE	1201	N43°45' E 2	14.31
3		IBIS wall Sand	1228	N43°30' E 3	13.38
4		IBIS Nwd	1328	N37°15' E 4	13.16
5		base excav.	1.08		
6		top IBIS	0982		
7	SW.	NE corner	1251	N31°45' E 5	12.96
8		SE corner	1040	N51°15' E 6	13.65
9					
10					
11					
12					
13					
14					

NOTES

155 E

IBIS wall is composed of cobbles of various sizes and a few "chunks" of stone which appear to be limestone. The stones range from 15cm x 15cm thick to 10x10, of smaller chinking stone. The highest course has largest stones - the largest is 46cm long x 25 thick & c. 31 deep. The highest level of stones is visible on the surface. The wall is clear vertically, but appears disturbed - stones look tilted & no good coursing is visible. The three possible layers are an upper level of large stones, a middle level w/ medium stones, & a lower level of small stones, all packed w/ chinking stones. Wall is preserved c. 34cm high. Under wall is dark brown very fine clayey soil w/ some pebbles - it is hard & compacted. This brown level seems wall



8 May 1979

by 2-3 cm. Above this, soil is a dark black clayey soil, very fine textured w/ a few pebbles. The tumble lies w/i the black soil. Tumble is extensive throughout pit; it is also rather dense. The workers note that this black soil is good for maize, but it is found only on the E side of the Chamelecon a little at El Regadillo

PLAN POINTS

1" = 1,435

155 B — ℄ 155 C ℄ 155 H • H = 5.13°0'E. orientation

1	C SW corner	2223	S 75°45' W	1	19.95
2	HERON wall S end	2116	S 75°30' W	2	20.51
3	HERON N	2120	S 80°30' W	3	19.84
4	EGRET wall N	1972	S 81° W	4	21.01
5	EGRET S	(97)	S 83°30' W	5	20.28
6	orig. NE corner	2160	S 59°15' W	6	19.40
7	SW corner N ext. 98°45' Post	2221	S 79° W	7	18.29
8	SE of N ext.	2202	S 77°15' W	8	18.18
9	SE of East ext	2198	S 75°15' W	9	18.90
10	B NE corner orig	1568	N 86° E	10	14.24
11	4 NW	1578	N 86°30' E	11	13.21
12	DUCK wall E side step out	1453	S 88°30' E	12	14.38
13	DUCK W not branch	1780	S 88°15' E	13	13.67
14	DUCK upper W side	1605	S 87°15' E	14	13.49
15	DUCK upper E	1589	S 87°45' E	15	14.47
16	PELICAN floor where sherds were	1598	S 79°10' E	16	15.00
17	LOON wall East	1227	S 78°15' E	17	15.25
18	LOON west	1298	S 77° E	18	14.25
19	SE branch	1127	S 75° E	19	15.85
20	SW	1170	S 72° E	20	14.68
21	H NW corner	1149	S 68°30' E	21	15.71
22	NE corner	1111	S 70° E	22	16.65
23					

[illegible] NOTES

Q
Nov 1979

Plan Pts

1 IN = 1.44

155 D

1	PENGUIN poss. NE corner	1211	S 5° E	1	3.89
2	PENGUIN NW	1422	S 18° 5-10' W	2	5.60
3	PENGUIN S pt.	1125	S 140° 45' W	3	6.50
4	SW corner Sextension	1245	S 19° W	4	6.80
5	NW corner S ext.	1286	S 31° 30' W	5	5.80
6	NE " " "	1356	S 32° W	6	4.95
7	SE [illegible] gates .30m E	1347	S 22° 30' W	7	5.08
8	NW corner E extension runs 1.0m to E	1324	S 11° W	8	3.91
9					
10					

NOTES 155 #. D

PENGUIN wall is preserved to height of .38m. It has 2 definite courses & a poss. 3rd. The upper is almost completely visible on the surface and consists of very large cobbles eg. 41cm x 16 thick (a large one) ; more avg. 20 long x 13 thick several are roughly faced or else chosen for their flat surfaces - most are rounded. The stones below the upper course are smaller - there seems to be a basal level of smaller cobbles w/ even smaller stones packed in between. These packing stones are 5-7cm in diameter. The lower cobbles are c. 14 x 11 , 17 x 12 - all rounded.

At the NW corner the top block seems missing, but the remaining stones are large, top & bottom - c. 23 cm x 16 cm & 33 x 24 thick x [illegible] deep. The stones are a variety w/ some limestones basalt recognizable, but in the minority. Soil overlying wall & in front is the black fine clay. There is a soil change to the fine brown soil, & it buries wall base as much as 7 cms. The poss. wall line is now defunct. Tumble occurs N of wall, but is not dense. The wall was perhaps stood 1 stone higher. Black soil packs the stones

9 May 1979

The Str. (Str 15) probably is joined to Str 14 to NW, but our efforts to find the connector were inconclusive. There seems to be a wobble surface - or else a lot of very regular trumble - between the two. 39 cm off PEDESTAL corner might have the beginning of the wall of the joiner.

Base of excav - at NE orig pt is .30 cm

PLAN POINTS H.I. 1365

1	SHOT TO N. STAKE. E?		0640		N 0°0'—
2	NW. corner 155 E		11.22m.	1025	7 S 12°30' E.
3	NE. " "		11.68m.	1000m.	8 S 19°10' E.
4	SE " "		13.41m.	0770	9 S 17°0' E.
5	SW. " "		13.20m.	0807	10 S 13°0' E.
6	PSSG wall E. End		12.34m.	1055	11 S 18°0' E.
7	" " W. "		12.12m.	1112	12 S 14°15' E.
8	155 E, poss. inner wall, E. End.		9.40m.	1565	13 S 78°30' W.
9	" " " W. "		9.65m.	1622	14 S 76°0' W.
10					

South Grid

Finished up at El Brazo around 1:30 p.m. And decided to call it quits for the day - there's really very little else worth starting at this point. We've also decided to bag Chichipate (cp. 169.). Reasons: we don't yet have permission and getting it requires finding the major domo and, perhaps, having to wait until Saturday to see the owner on the question as we couldn't find the car past Saturday. Also, the car is showing signs of serious fatigue - it took 30 mins. to get it started this morning and all we'd need is to be stuck out at Chichipate, which is c. Angkor 30-45 minutes ride from El Brazo. Further, the river is continuing to rise, coming over the running boards today. Work mounted about starting excavations and then being unable to get across to finish them while we have the car. Plus, we're tired and feel like we need 5-7 days at one site. Result - on to Santo Domingo which could also be extra work.

LOTS - EL BRAZO 155

✓ 155B/1 From ABOVE STONES OF ~~possible~~ CONSTRUCTION AND WEST OF CONSTRUCTION IN EARTH + TUMBLE.

✓ 155C/1 From ABOVE AND EAST OF STONES OF possible CONSTRUCTION IN EARTH. THIS CONSTRUCTION WAS later discarded as TUMBLE.

✓ 155D/1 From ABOVE AND WEST OF CONSTRUCTION, IN EARTH + TUMBLE.

✓ 155E/1 NORTH OF CONSTRUCTION, AMONG TUMBLE AND IN black EARTH below TUMBLE.

✓ 155F/1 ABOVE AND AMONG STONE TUMBLE AND EAST OF possible LINE OF CONSTRUCTION, IN EARTH + TUMBLE.

✓ 155H/1 From EARTH + TUMBLE (S. OF TRAIL WALL) OVER CONSTRUCTION IN SCARP OF STR. S. wall. & (CONTINUATION OF 155B TO S.?

✓ 155A/2 From RAVINE slope (N. SIDE) SEPARATING N. + middle group.

✓ 155B/2 From AMONG STONE TUMBLE AND EARTH ABOVE PELICAN Floor.

✓ 155 B/3 SHARDS + Fig. PROJ. found on PELICAN Floor just N. OF LOOM WALL.

✓ 155G/2 INSIDE (S) STR. FROM OSTRICH wall. From AMONG STONES AND lower EARTH, possible Pell Ict.

✓ 155G/1 OUTSIDE (N.) OF OSTRICH - AMONG EARTH + TUMBLE.

✓ 155E/2 From Light BROWN "BARRO" clay BELOW dark black clay - N. OF CONSTRUCTION.

✓ 155C/2 In ABASO STONE TUMBLE immediately E. of CONSTRUCTION

✓ 155F/2 In Fill OF 1551. STR.

PHOTOS

79-5- BWG-1 & 2 JAVA wall in 116I

BWG-3 209B looking South at ~~TRUNK~~ deleted wall, scale = .52m

BWG-4 209C ~~(STUMP)~~ deleted wall Looking West from East scale at .52m

BWG-5 180B (S. side of STR.) looking W, BRANCH wall, METER AT 52cm.

BWG-6 180C (E. side of STR.) looking W, ROOT wall, METER AT 35cm.

BWG-7 209B LEAF wall BUD surface from ~~West~~ North

Scale .52m

BWG-8 209B LEAF & BUD from above

BWG-9 BUD from above

BWG-10 LEAF from North

BWG-11 209C wall. - Looking W, METER AT 52cm.

BWG-12 209C SAME.

EL BRASO. -79-5 - 7/MAY/79.

BWH-1 155C, looking W, METER AT 32cm, possible large cobble wall.

BWH-2 155D, looking E., METER AT 52cm., possible single cobble high wall.

BWH-3 155D, SAME, METER below AT 32cm.

BWH-4 155B, Looking E, possible small cobble wall, METER AT 52cm.

BWH-5 155C looking W, showing interior wall exposed in EXCAVATION, METER AT 35cm.

PHOTOS:

79-5-BWH6 EL BRAZO, 155 E, looking W. E, wall in trench, meter at 52cm.

BWH7 IBIS wall in 155 E

BWH8 EL BRAZO, 155 B, looking S, meter at 35cm. and pointing to shard smashed on floor. PELICAN

BWH9 HERON wall in 155 C

BWH10 DUCK wall in 155 B f/N } same 85

BWH11 MOON wall in 155 B f/N

BWH 12 EL BRAZO 155 D wall, looking SE. meter at 52cm.

79-5- BWI 1 EL BRAZO, 155 H, TEAL wall, looking W, meter at 52cm. Atop TEAL.

BWI 2 EL BRAZO, 55 H, PENGUIN wall showing construction, looking SW. meter at 35cm.

BWI 3 } ZIRCONIUM wall in trench
BWI 4 } 123 J.

BWI 5 123 F, GEM steps, looking E, meter at 52cm.

BWI 6 SAME

BWI 7 123 F, GEM steps from above looking down.

BWI 8 123 G EMERALD SURFACE + DIAMOND step up, looking E. meter at 52cm.

BWI 9 SAME, looking down FROM THEN.

BWI 10 123 G, small pebble SURFACE with large cobble "wall" behind, looking E, meter at 52cm

P)9-5-75

10 May 1979 LOTS

-123 F / 1 earth & tumble W & above construction of GEM steps

-123 G / 1 earth above construction of EMERALD floor & DIAMOND step-up

123 H / 1 earth & tumble East of probable construction

123 I / 1 earth above putative terrace & E of main str. walls

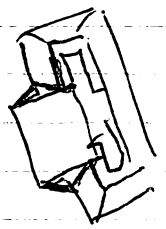
-123 J / 1 earth ~~[illegible]~~ N of tumble, str

-123 J / 2 tumble N of construction

123A / 10 from "plaza" area N of 1m contour, W of str. of wall lines & E of line between 2 "central" strs

123A / 11 from "plaza" South of Northmost & largest str, E of small contour, N of "centre" str, & W of line of largest str to "central" str

123A / 12 S plowed/flattened field E of site



123A / 13 "plaza" area E of str. w/ East terrace & W of line of "central" I to "central" II incl dead low str. E of str. w/ E terrace

123A / 14 from ridge NNE of site

123A / 15 area South of ~~[illegible]~~ - N. of South-most plaza

123H / 2 from lower yellow earth level beneath black soil

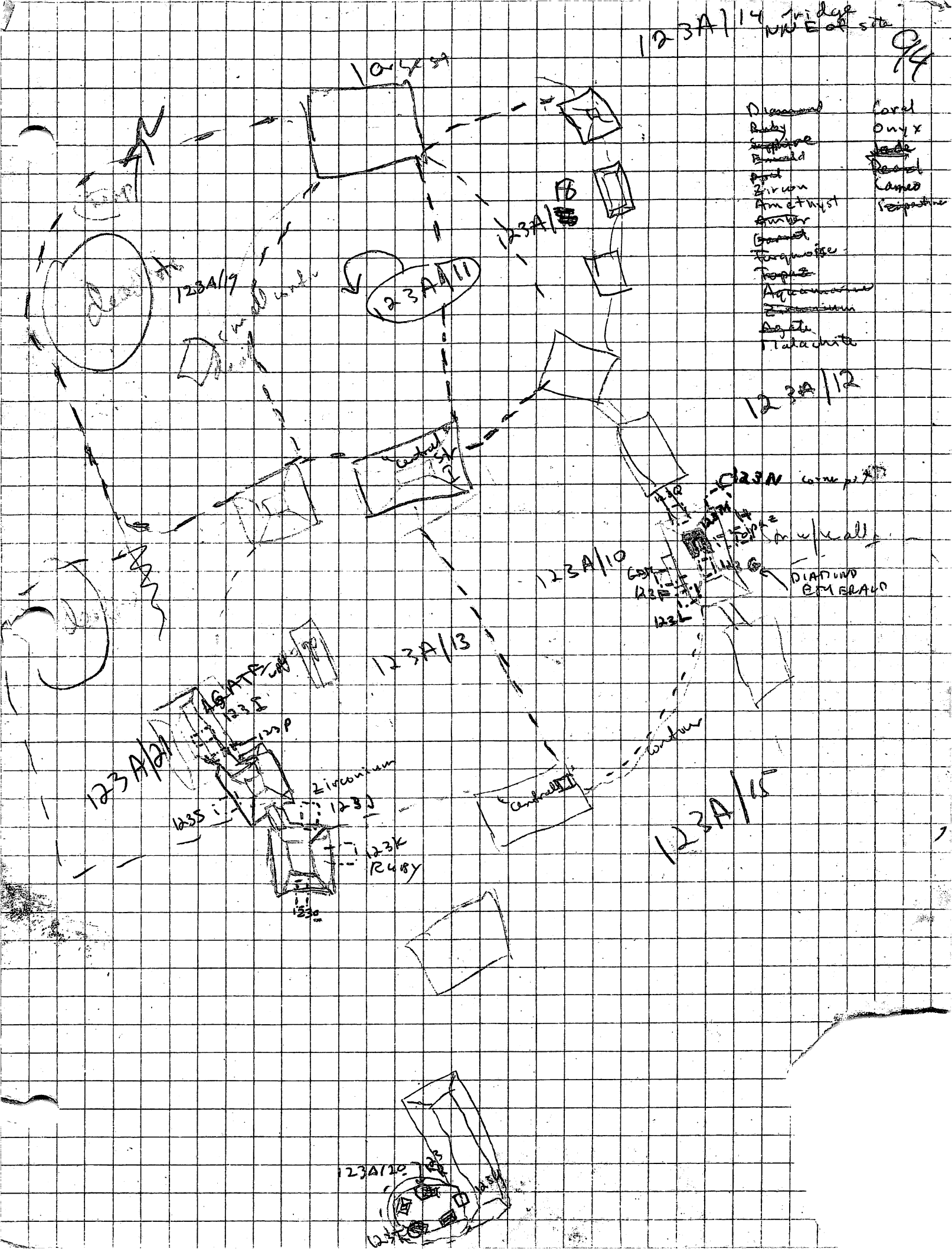
-123K / 1 EARTH+TUMBLE EAST OF CONSTRUCTION

123A / 16 shards & obsidian from near 9 on large corrido to E of site

123A / 17 S/ area of 2 "Caritos" S & E of site

-123K / 2 among stones of tumble

2. continue


123A/14 Bridge NW E of site
94
Diamond
Ruby
Sapphire
Emerald
Opal
Zircon
Amethyst
Amber
Garnet
Turquoise
Topaz
Aquamarine
Tanzanite
Agate
Malachite
Coral
Onyx
Jade
Pearl
Cameo
Turquoise
123A/12
123A/11
123A/10
123A/9
123A/8
123A/13
123A/15
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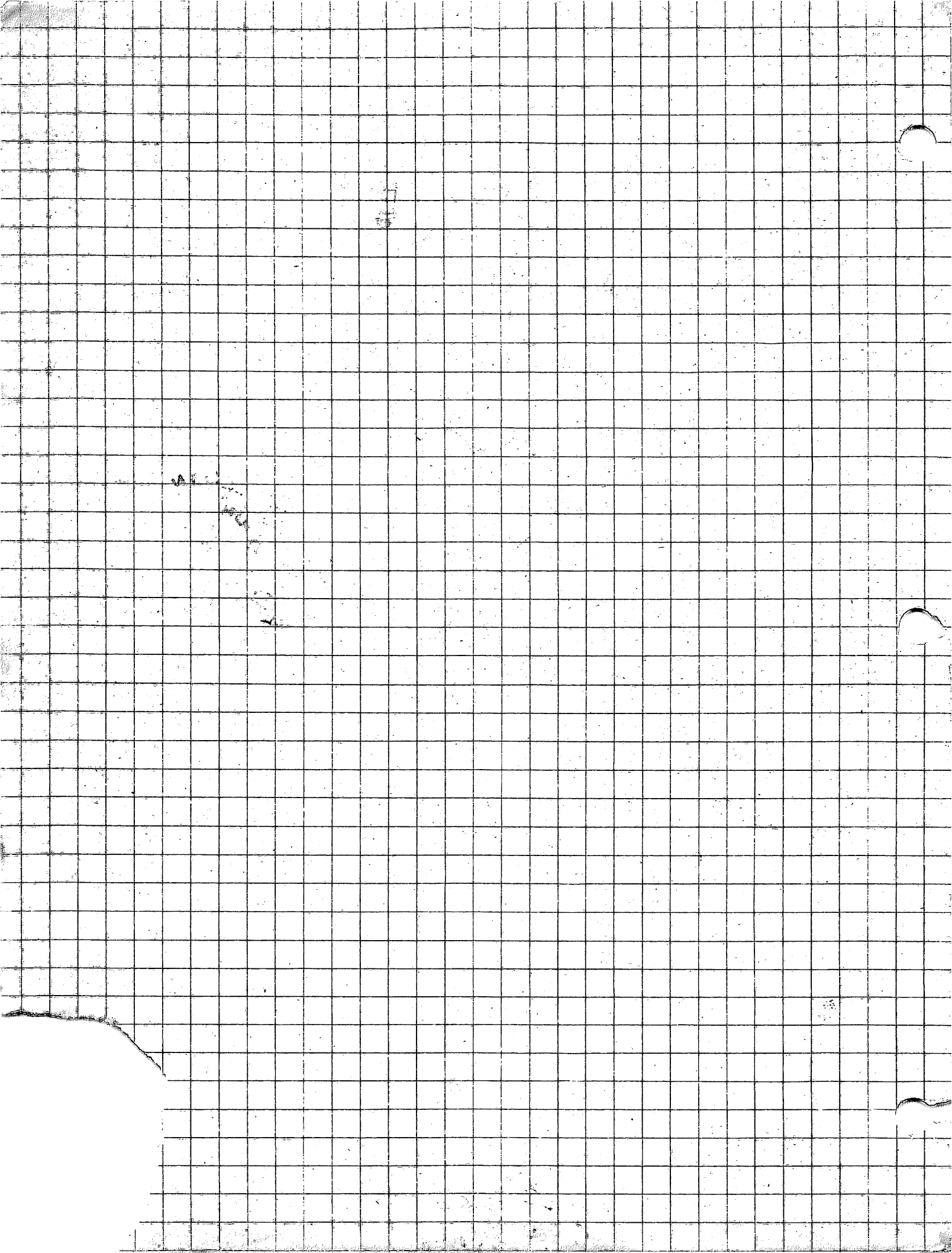

10 May 1979

Began Santo Domingo today - and were once again impressed by the senselessness of the destruction. Nothing has been done with the land, and the mantle is growing up again. We're getting better results than we had anticipated, so in a way some of the piling-up at the structure bases may be a preservative.

123E

This is on the W side of the str. which showed summit wall lines in '77, and is designed to locate possible outset staircase. So far we have located 5 risers of a stairway - GEM steps resting on the yellow soil level. The steps seem to be made of one course each of large flat cobbles, supported by numerous small chinking stones.

123G

The summit pit has been very interesting. We have uncovered a surface - EMERALD - and a step-up - DIAMOND - which are quite tidy & clear. The trench has been extended to the West to meet up 123F. In the extension to the West there are large cobbles which may be a Western wall or step up, but they appear disturbed & the trench is only 50 cm wide so we can't see a lot right now. At the level of the top of the cobbles we may have a surface of small stones extending W to the edge of the summit.

123H

The back wall is probably there, but there is a lot of rumble & more work needs to be done. Sherds have come from the black & yellow levels.

123I

We thought this pit would come down on a nice surface & pick up some str. lines, but nothing much has appeared so far.

P79-5-96

10 May 1979

123 J

The wall here - ZIRCONIUM - is poorly preserved but we believe we have it. It seems to be cobbles & lajas, although it is difficult to specify the position of the lajas. One seems to have been the top stone of the bottom step. Stones are largish - 2 ~~a~~ wide by 6-9 thick.

Loosing cobbles

Sketch

may have been upper & lower filled in between w/ chinkers 5" x 3" to 10" x 3". There isn't enough that's clear & wake a drawing worthwhile. The preserved step stands 25-30 cm high, but above this it looks severely tumbled. The E end is best preserved. The str. probably was built w/ terraces or steps all the way up.

Soil is blank fine ~~de~~textured silt, but not at all clayey - doesn't roll into a ball even though it's damp. 3 cm below NE corner of trench is "yellow" soil level - harder, tan to yellow in color & sand & pebbles ~~[illegible]~~. It runs under the wall & possibly laps up against it for a few cm. On E side wall is c. 12 cm below ground surface.

Tumble is in pit for entire length to N - and tumble there & above is large cobbles

11 May 1979

10/7 Aug 1939

97

	Plan Pts	Sta. w/ summit walls				IH = 1.395
1	123 F	NW corner	2544	1	N 58° 15' W	11.91
2		SW	2563	2	N 65° W	12.39
3		GEM basal course S	2627	3	N 67° 51' W	11.14
4		GEM base N	2588	4	N 61° W	10.64
5		GEM 2nd N	2394	5	N 62° 50' 55" W	10.35
6		GEM 2nd S	2404	6	N 68° W	10.65
7		GEM 3rd S	2114	7	N 48° 45' W	10.10
8		GEM 3rd N	2121	8	N 63° W	9.79
9		GEM 4th S	1996	9	N 48° 50' 55" W	9.52
10		GEM 4th N	1988	10	N 49° 45' W	9.22
11	123G	DIAMOND stepups	1756	11	S 85° 15' W	5.64
12		DIAMOND N	1668	12	N 88° 20' W	5.16
13		GARNET wall	1493	13	S 83° 45' W	5.85
14		GARNET post. corner	1475	14	S 86° 15' W	5.18
15		GARNET E	1442	15	S 83° 45' W	4.82
16		EMERALD floor	1815			
17		DIAMOND stepup surface	1619			
18		RUBY ~~surface~~ wall top	1219	16	N 41° W	427
19		surface	1565			
20		RUBY entr. N. corner	1133	17	N 26° 5' W	4.77
21		ONYX (upper) wall int. corn.	0999	18	N 17° 5' W	5.88
22		ONYX East	0812	19	N 12° W	5.20
23		RUBY W	1187	20	N 28° W	5.13
~~24~~	~~123 H~~	~~TOPAZ S.~~				~~5.14~~
			Also - A N. stake N 0° -			
24	PD① to PD②		2715	21	S 57° 15' E	3.24
25	PD① to PD③		2467	22	N 74° 45' W	Linear 1.19 12.26
	P.D. 22	TOPAZ S. 123 H	2382	1	S 43° 45' E.	3.02m.
I.H.	27	" N. "	2458	2	S 74° 15' E	3.08m.
1.345	28	" S. 123 N	2176	3	N 56° 30' E.	6.30m.
E. Side	29	" N. 123 N	2229	4	N 53° 0' E.	7.19m.
	30	SHEND 123 N.	2276		N 52° 15' E.	7.49m.
P.D. 3	31	123 L Gem Basal course(?) N.	1656	1	S 22° 0' W.	2.07m.
I.H. 1.455	32	" " " " m.l.	1610	2	S 27° 30' W.	3.11m.
	discarded 33	" " " " S.	1764	3	S 31° 30' W.	4.39m.

N. side.

11 May 1979

Lots

-123 F/2 from yellow soil level w of GEM basal wall

-123 N/1 debris piled against the str. base

-123 N/2 black earth above & near construction

-123 L/1 stones & earth above & W of GEM wall

123 A/18 plaza area W of E str. line (one w/ small "pyramid" as N terminus) & E of line from largest str. to Central str. I

~~14 May 1979~~ 123 A/15

14 May 1979 123 F/3 Fill from cut into Str. w/walls on summit.

123A/19 N. of Central Str. "I"; +S. of largest N. mound, W. of 123A/11, ~~S of Str. IV~~ in the area of the small concave & dead str. (Lois N.).

123A/20 SW. group of small strs., mostly razed, on rise. (Site of a previous surface collection in 1977.)

123A/12A Essentially from the field E. of the str., but also continuing down to the S. of the site.

+23 L/2 f/top of GBT basal lounge to its base, & above poss. surface

-123 O/1 earth above tumble & S of construction

-123 O/2 tumble S of construction

-123 O/3 in yellow earth below & S of construction

-123 O/4 in possible tumble seen during for construction

PHOTOS

79-5 - BwI 11 1234, Emerald + Diamond, long slot, looking E, meter at 35cm.

79-5 - BwI 12 TOPAZ poss. wall, F side str (trench 123 H) fr/E looking W, scale at 2.0m

79-5 BWJ -1

BWJ 2

BWJ 3

14 May

BWJ 4 123L wall North section GEM 32m looking E

BWJ 5 123L detail of SW corner GEM scale .32m looking E

BWJ 6 123L looking NE along length of GEM

BWJ 7 123P AGATE wall looking W

BWJ 8 123P looking N at poss. exit through AGATE

BWJ 9 AGATE wall 123 I looking down, scale .52m

BWJ 10 123Q wall looking S

BWJ 11 123Q lower 2 courses fr/ above

BWJ 12 123F SAPPHIRE wall looking East

14/MAY/79

PAT, sick with a bad cold, will be joining me later today. I'm slightly ill with mild, so far, diarrhea. Heavy rain last ~~[illegible]~~ night, light rain this morning, partly sunny by c. 8 A.M. It's been raining pretty consistently now since c. April 29 - May 1, usually at night - especially at dusk - and usually hard. As one might expect, the water + Electricity supplies accordingly.

123 F — Progress Report: Started the cut in to F over c. 2/3 of the trench (N. side leaving the section line on the south.) So far, few sherds and a dense packing of stone rubble which might be sloping up into the str. will try and go in as deep as the summit. we'll see.

123 M - Summit cleaning still going on though today without René who's been replaced by Pedro Martinez (?) walls now as clear as they used to be - may set up a narrow trench linking G and M to try and resolve at least some of our problems re sherds later - a few sherds

123 L - Seraphin + Nestalik (Csp.) Natalie? were put here to follow them Basal wall down to help determine the SW. corner on a stronger basis than just upper line. Few sherds but 1 carbon sample which they touched (down!!) collected anyway.

123 Q - Still digging down in on the wall - some sherds

123 P - Trying to find the SE. corner of this str. - may have the wall - no sherds

In the field E of the site one occasionally sees areas w/heavier stone concentrations & more sherds and obsidian. To me (Pat) these look like dead mounds, but I don't think they are clear enough to map. To the south in this field I believe that the rubbish heaps on the edge of the drop off may conceal strs. Ed thinks the sherds in the road, washing South & downslope, represent sherds from the rubbish, but I think the may be coming from dead or buried strs. Only way to tell is to dig through the stuff, which I don't think

well do - too much for such a potentially small return. We ought to find another small str. & trench

Ed is sick w/ stomach pains & diarrhea, as is Paulina Tony possibly has problems as well. I think its due to the unpurified greenpepper last night. I (Pat) didn't eat much of it - 2 or 3 pieces - but the others did. If it were the chicken or something of Saturday's food I ought to have it too.

1230 - 1.0 m. E-W. x 1.5 m. N.-S. - designated to locate the N. wall of the str. with room walls on top. Few stones. A possible low wall has been found which gives way to a small cobble floor which probably extends N. to the str. N. of the str. excavated. (Reassuring?). Presumably following the wall and surface beneath will lower our investigation the validity of this wall.

1231

The continuation of GEM, basal course, stands c. 41 cm at the N end of the pit. It appears to have 3 courses, first an upper course of large cobbles 21 to 30 cm wide & 7 to 11 cm thick. The middle course is packed chinking stones, all small, eg - 9 x 5 cm & smaller. The lowest course is again large cobbles, ranging 18 to 26 wide (and 1 large one 46 wide) and 10-12 thick. The lowest course seems pushed out, probably not intentionally. The whole wall is disturbed, w/ stones projecting out or seemingly pushed in throughout its length. The wall is exposed approx. 2-57 cm. We feel that we have found the corner. Wall continues c. 32 cm to south ⇒ of stone. Shot for plan.

There seems to be a rough cobble surface - GARNET at the base of the lowest course of stones. The stones are eg. 27 x 19 cm, 22 x 22 cm, 17 x 12 cm. The surface is fairly level, but the stones do not

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seem to have been selected for their flatness - GARNET may run under basal GEM - we should cut to resolve that. GARNET also contains smaller stones c. 5-8 cm in diameter.

C. 27 cm back (E) of top of basal GEM may be another line; a poss. 3rd 63 cm E of GEM. These are only in N end of trench. 2nd course is c. 86 cm long; poss. 3rd course 80 cm

Top of basal GEM is c. 37 cm below present ground surface. The black/yellow soil break is c. 16 cm below top of basal GEM on both N & S. Yellow soil overlies GARNET & seems to be all around larger stones of GEM. The yellow soil does not differ from other pits, nor does the black.

Tumble extends throughout trench N & W

On the south it is difficult to see the southern end of the str. GEM seems to peter out w/o a really clear corner. We are starting to come off the contour, so believe that we have the south end. We also think the "floor" may be to protect the contour edge from erosion. To the S of what we think is the str. edge the stones slope to the South, as though falling out of the str. &/or off the contour

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102B

123 H

TOPAZ wall is exposed for a length of 1.97 m, running N-S. On N side of pit a large tree root has disturbed an additional 55 cm.

The wall is low - c. 25 cm - and seems to have had 2 courses of cobbles. Occasionally lajas are used, but with no apparent pattern. The stones run 19x5cm, 20x3cm 17x9cm, 31x9cm. Unlike the West walls, there is no apparent emphasis on large stones in any course; one basal stone is 43x10cm, the rest much smaller. The one laja in place is 25 x 3 cm. The other few lajas are higher in the wall & tumbled. There is little "packing" w/chinking stones between the courses, but below the basal course of cobbles there are small stones

TOPAZ is probably a low basal terrace. This is based on a change in slope in the str. roughly 1.35 m West of TOPAZ's front, & the evidence of the corner pit, 123N, and of the N wall pit 123. Upper levels of this terracing are greatly disturbed.

The soil overlying TOPAZ is the typical fine black silty soil. The yellow soil level seems to underlie TOPAZ, & may have lapped against it for 2-4 cm.

On the South side of trench TOPAZ is c. 25 cm below G.S. Tumble is not extensive/dense, though it lies throughout the trench

123N

to 105

TOPAZ is exposed for 1.08 m, N-S. To west of the top of TOPAZ there seems to be a rough cobble surface exposed for .63 m. Stones in the surface range among others. These elements 11x11cm wide deep 21x16 deep

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103 A

[delete TOPAZ seems to be only 1 cobble high here, although] there is no doubt about the line. TOPAZ stands c. 24cm high. Its relationship to the soils is the same, as is its construction.

We may have reached a corner, or the stones may be missing. The NE corner area is rather disturbed. We are also unsure of how this str. comes down off the contour. There is too much garbage piled over the N line E of 123 Q & W of putative corner to warrant any more excavation along this line.

123 P — P 1.0m deep — I 70 cm deep

A most confusing trench. We seem to have a basal wall AGATE which is exposed to 1.10m S of trench's N wall. It consists of med. to large cobbles c. 26 wide x 23 deep x 27 thick & smaller. 30 x 14 appx dia. All the cobbles are very rough — no attempt at picking naturally found ones seems evident. AGATE is preserved to a height of c. 29cm. It is 1 or 2 cobbles high, but coursing, if it exists, is unclear. AGATE may be a foundation wall. It is very rough, and may have been designed to be buried. There is a change in slope above and W of AGATE, which we think represents the part of the str. designed to be out in the open.

AGATE rests on the yellow soil level & is overlain by the black as much as 50 cm of earth.

TO 104

We have cut west at what we thought was AGATE's SE corner. The cut is 1.03m to the W of the front of basal AGATE. The yellow soil rises up to the W.

15 May 1979

10 B 3 b

stones overly this yellow level, conforming to its slope upward. These stones look like fill, & the yellow soil's rise also suggests fill. Yellow soil packs at least the bottom few stones. Black soil caps the stones.

The unfinished nature of the South end of AGATE also suggests that it was meant to be buried by the Eastern terrace. The E. ter. seems to be predominately earth, although in 1977 I thought the East face was finished w/ stones and that the E margin had a standing wall line. No sherds came from the earth, a few sherds from the fill W of AGATE, in the yellow soil.

123I

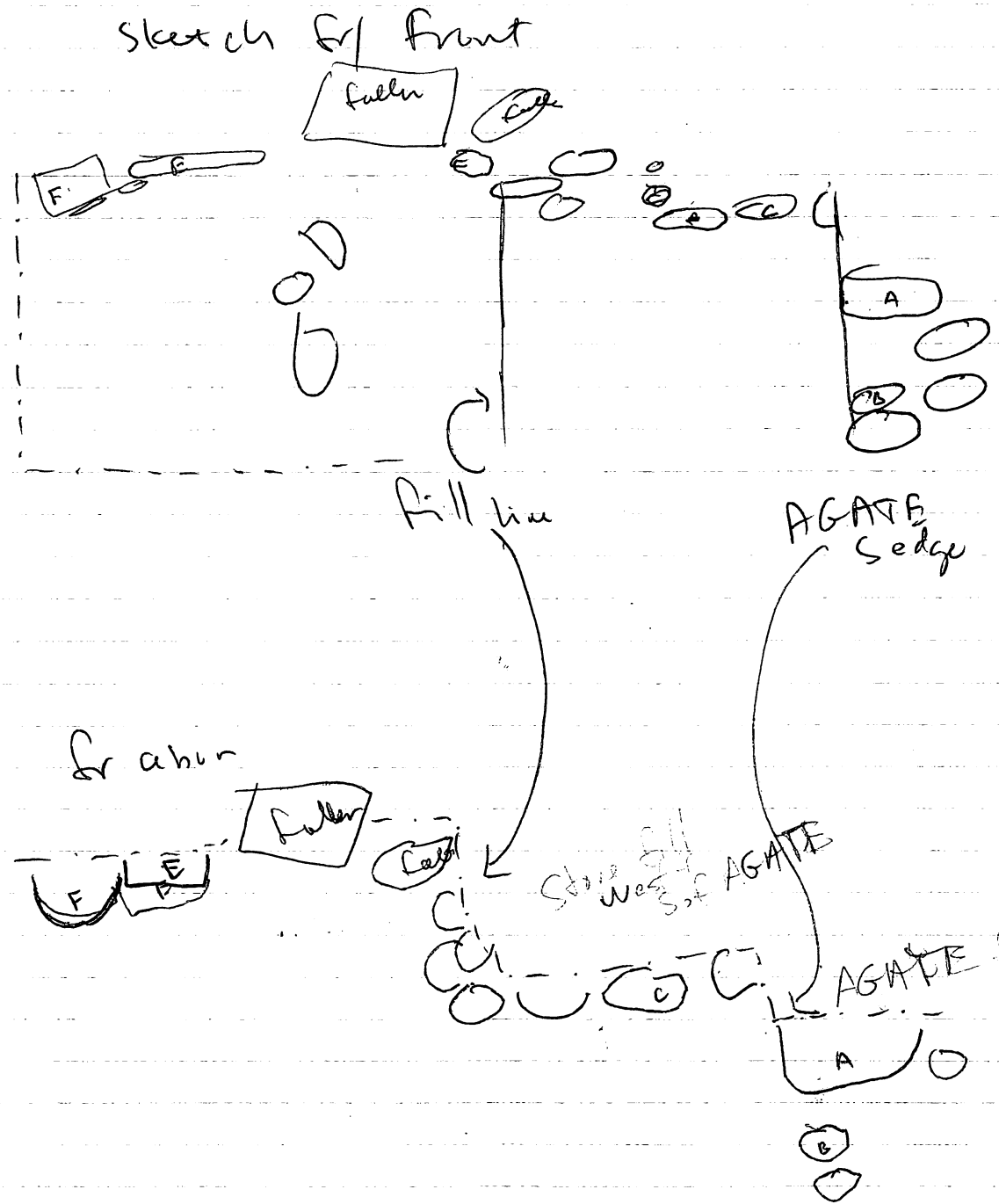
where AGATE was originally found. No sherds from this pit.

AGATE rests on the yellow soil level. The wall is not clear. The stones are rough. The wall is exposed for 1.70 m, & stands 2 cobbles high, c. 40 cm high. Stones are slightly smaller than in 123P - 19 x 14 cm (max height); 17 x 17 cm; 16 x 6. As wall goes to South, the base seems to drop down. The yellow soil seems to have been used as a construction unit, some sort of fill & support. 17 cm below ground surface on North, & 39 cm on the South are stones - again we think it's some sort of fill unit or partial, rough, retainer. It all - AGATE & the lower stones - seems to be designed to be buried.

123P began 10 10?

It seems possible to Pat that the "sudden"

and the terrace were basically earth w/ stone on the East + a possible stone cap to the saddle between the Shrs. Further South of AGATE, S of the fill behind it, is more earthy w/ the yellow level rising. At a level approx equal to the top of the stone fill W of AGATE is a rough stone level, about 1 stone deep. Perhaps this once was a walkway / cap for the saddle.



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LOTS (cont.)

-123P/1 Among EARTH + STONES E. of CONSTRUCTION And Among possible STONES of CONSTRUCTION - A very small lot.

-123M/1 STONES found while CLEANING THE SUMMIT CONSTRUCTION.

-123Q/1 Among EARTH And STONES ABOVE + N. of CONSTRUCTION

123A/21 area of STRs - dug in 1977

-123F/4 sand level w/i str, West of SAPPHIRE wall

123B/22 Fr/ fence on Easte margin of field E of str6

-123R/1 In 123R, Among STONES NEAR SURFACE

-123R/2 In EARTH below STONES to c. 30cm. below S.W. corner

-123R/3 30-50cm. Below SW. corner

-123R/4 50-70cm. Below SW. corner

-123S/1 N. of CONSTRUCTION in EARTH + TUMBLE

-123M/2 STONES found in SANDY, TAN clay N. of AQUATARIUS wall C. N. room wall(?)/ and down to its base on the N.

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-123F/5 earth + STONES East of SAPPHIRE wall Fill

123T/1 earth + tumble above potential floor

123U/1 0-25 cm below ground surface

123U/2 25-50 cm below ground surface

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123R - 1.0 x 1.0 m test pit. LOT #3 STANDS AT c. 30 cm. S of NW corner

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PLAN POINTS 123Q

1 cm = 130 cm S side

AMBER
JADE
OPAL
PEARL

1	North stake to PD① ✓	1.535	S		7.11
2	AMBER W end of trench	2715	N 17°55'W		3.60
3	AMBER E end of trench	2634	N 13°25'E		2.82
4	JADE approx E end	2377	N 13° E		2.04
5	" " W end	2426	N 12°45' W		2.36
6	OPAL W end	2216	N 16°55' W		2.16
7	E end	2192	N 90°35' E		1.61
8	PEARL E end		N 20° E		0.97
9	W end	2031	N 31°15' W		1.90
10	EMERALD line, mostly/AQUAMARINE	1932	S 36°30' W		6.71
11	AQUAMARINE East end in	1703	S 35°15' W		6.67
	" West AQ. to S goes 0.54m	1689	S 48°45' W		6.59
13	123T SW corner	1146	S 55°55' W		5.10
14	" WNW corner	0964	S 71°45' W		2.52
15	jog - goes N c90 m	0878	S 47°5° W		2.11
16	" SE corner	1105	S 290° W		5.03
17	base exc. N of AQUAMARINE	2262			
	EMERALD line S end	1926	S 37°15' W		9.68
	123F SE corner	1675	S 52° W		9.02
20	" NE corner runs 0.50 m W	1412	S 53°5-10' W		7.77
21	123L NW corner of 1.00 S of	2467	S 69°45' W		14.38
22	SURFACE W of GEM in 123L	2010+15 cm			
23	North stake to PD ③	2544	S 72°15' W		

Emerald 1 cm
AQUAMARINE 1 cm
AQUAMARINE 1 cm
AQUAMARINE 1 cm
wider N-S exposed on N side 0.72 m

NOTES

123K

The wall (RUBY) has one clear bottom course & possible 2nd course. The cobblestone all rough. Sizes are: 13 x 11 cm; 12 x 7 cm; 13 x 12 cm; largest - 26 x 12. In addition 2 pieces of apparently roughly cut limestone come out of the fill, and there may be a piece of roughly faced sandstone in the second course

801

123 K cont.
~~RUBY~~ is exposed for a total distance of 1.0m N-S, & stands 11-15 cm high (one course), or as much as 20cm (2 stones). The base of the wall rises towards the N side of the trench, 10 or more cm. It seems to conform to a rise in the yellow soil level, and the general ground surface is rising to the North. Overlying the wall & tumble is the typical soft black soil. Tumble, in the N face of the trench, extends to 1.32m, & on the S 1.42 m. Tumble consists of jumbled cobbles, & its base is the top of the yellow soil. Black soil covers RUBY to a depth of 0.52 m on the South 0.42 m on the North.

Above ~~RUBY~~, which is at the best wall ever, it is difficult to see what the upper sections are doing. It is possible (sort of) to see some potential lines, one 26 cm back for RUBY, another c. 38 cm back for RUBY. The second "line" has a one-cobble-height; while the 3rd "line" may stand 2 or more cobbles high.

123 D

After cutting through a lot of tumble, we believe we have a wall. The stones seem flat & regular, while the matrix to the South is jumbled. The wall is SERPENTINE. The wall is exposed for c. 80 cm.

SERPENTINE

SERPENTINE is poorly preserved. It may have had an outset line of cobbles on the bottom. The measurable rock is 31 cm deep & 7 cm high. A smaller stone is under it 15 deep & 4 high; on west side there are small chinking stones under what is probably the basal wall. The basal course is preserved to a height of 17 cm. Approx. 29 cm to the North of the basal line is the second line, which laps over the top of the basal line. The cobbles in this section are large: 37 cm x 12 cm thick; 42 x 8 cm; 19 x 10. It is tumbled, but in the East face of the trench there

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are stones which suggest that SERPENTINES upper courses may have stood 4 stones high, as much as 30 cm

For the remaining .50 in height of the trench no further wall lines are visible. The stone is, however, densely packed, and the cobbles are smaller.

Underlying the construction is very hard yellow sandy soil, like the S level in 125F. It has some white flecks or streaks. To the South of the wall under the tumble is the typical Y level, which may be the S level wetter or less greatly compacted. The yellow soil may have lapped against the bottom 3-5 cm of SERPENTINE

Tumble runs to the South for c. 1.30 & is fairly dense. The cobbles are medium to large, & are mixed with & covered by typical black soil

123S

This trench is hideous!!! There is practically nothing visible & the men did a very untidy trench

ZIRCON "wall"
Something is visible in the section. It seems to be some larger stones, set horizontally, 31 cm deep x 9 thick eg & 29 x 9 cm. Under these larger stones are c. 38-40 cm of packed cobbles, smaller in size, c. 11 x 11 cm, 12 deep x 9 thick.

Under ZIRCON seems to be the yellow soil level, & overlying all is the black earth

ZIRCON is backed by stone fill, of cobbles of all sizes. There is also a faint trace of a laja surface, a few cm. higher than the top of ZIRCON, but it is only 2 stones

poor construction
In general, this trench is a bust - few sherds, poor stratum

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PHOTOS

Bwk 1 SAPPHIRE wall looking East

Bwk 2

Bwk 3 123K looking West, showing basal wall

Bwk 4 123K some "

Bwk 5 123S looking East, poss. wall of All

Bwk 6 123S looking Southeast poss. wall in section

Bwk 7 123O poss. wall looking S

Bwk 8 123O wall in profile looking E

Bwk 9 123T ~~CANEO~~ floor & S poss. wall [redacted] looking [redacted]

Bwk 10 123T some looking SW scale .50 m

Bwk 11 123T East extension CORAL wall E to W

Bwk 12 123 G+M.

79-5-

BwL 1 123G+M

2 123G+M

3 "

4 "

5 "

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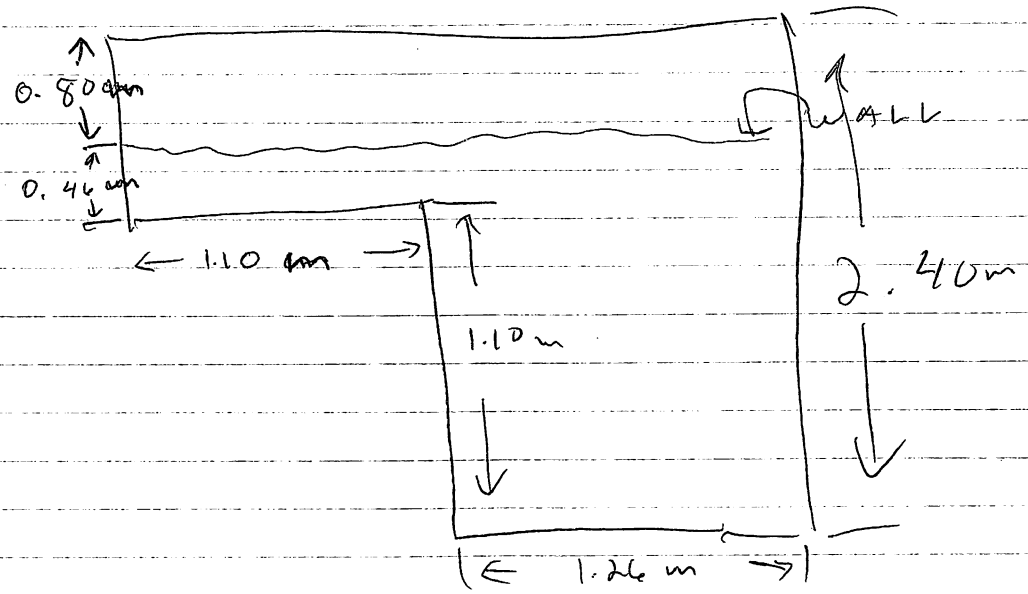
16 May

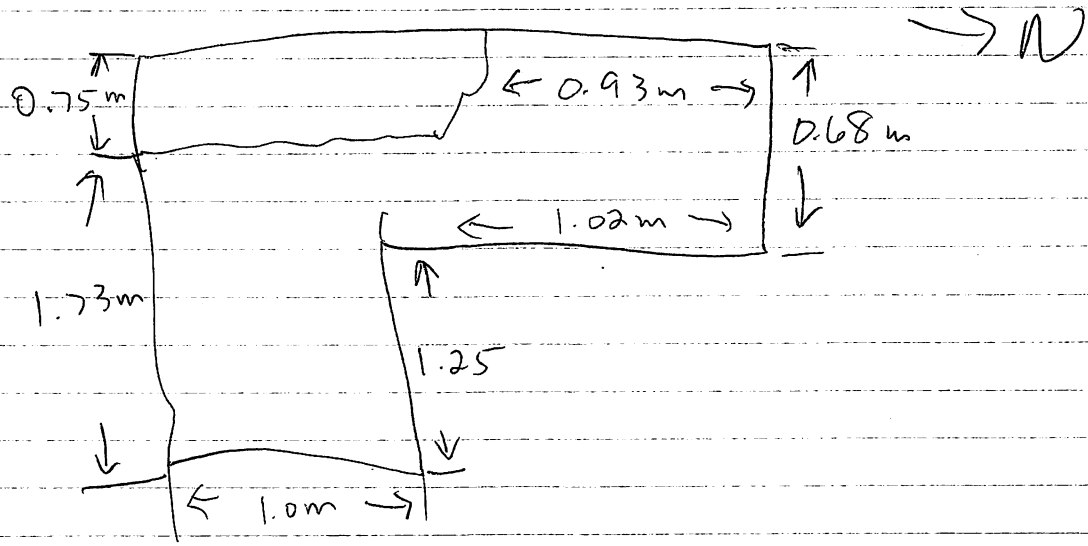
123 H

trench dimensions

→ N



123 N dimensions



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PLAN PTS

1	(123) NE trench			1153	S 81°45' W	15.38
2	SE corner	trench		1224	S 78° W	15.22
3	wall S end	cont. from W		1246	1 S 76°15' W	16.63
4	wall N end	to W		1322	2 S 80°5' W	16.28
5	PDO to PDO			0260	N 270,0' W	23.67
6	123 SE corner			1719	3 S 57° W	1691
7	123 SE corner			2078	S 57°15' W	22.43
8	" SW corner			1990	S 57°45' W	23.43
9	wall W end			2176	4 S 56°30' W	23.23
10	" E end			1919	5 S 57°5' W	22.42
11	PDO to PDO			2462	S 45°30' W	30.26
12	PDO to PDO			0410	N 45° E	
13	123 SW corner					17.97
14	PDO to PPO			1280	N 85°45' W	16.04
15	PPO to PDO			1694	S 85°45' E	
16	123 SW corner			1182	N 36°10' W	2.71
17	NW "			1062	N 40°15' W	3.81
18	wall end poor			1018	1 N 10' W	4.50
19	wall end good			1177	2 N 2°30' W	3.94
20	PPO to PDO			0968	N 28°45' W	14.03
21	SE NW corner approx			1541	3 S 77°15' E	6.42
POS						
22	PPO to PDO			1970	S 28°45' E	
23	123 SNW trench		lajja 1.10 bank	0610	N 36°15' E	22.86
24	SW "			0590	N 37°15' E	26.83
25	pos. wall S	excav. goes East	past wall 1.40	0300	N 40° E	27.67
26	pos. wall N			0240	N 38° E	28.54
27	PDO to PDO			2650	S 27°10' E	
28	123 I AGATE N end			0677	N 10°20' W	8.02
29	AGATE S end			1135	N 19°15' W	6.66
30	123 P AGATE N end			1295	N 36° 35' W	5.10
31	AGATE S end			1193	N 46°45-50' W	4.75
32	trench NE corner			1605	N 23° W	4.95
33	" SE "			0978	N 38°15' W	3.48
34	S jog			0948	N 43°30' W	4.27
35	SW corner extension			0864	N 61° W	4.37
36	NE corner S extension			0885	N 60°15' W	4.92
37	SE corner S extension			0705	N 49°10' W	5.24

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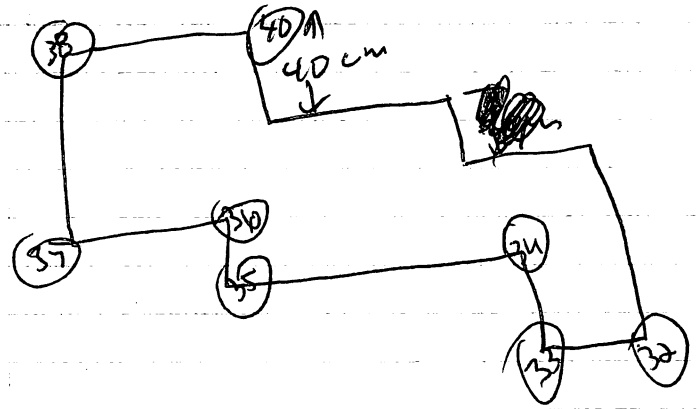
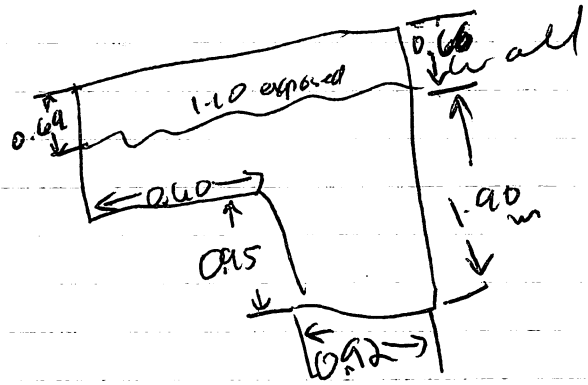
123P

38	SW corner S extension	0592	N69°50'W	5.79
39	stones in wall - poss. surf. elev	0555		
40	NW corner S ext. pit goes .40m E	0541	N48°W	5.74
41	trench base, 123P N end	1520		
42	123I base ex cut	1294		

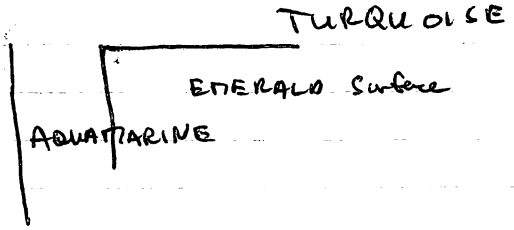
123P 43 PD(3) on str. of summit lines 2478 S34°10.6'E



123I → N



SKETCH 123G



At the NE interior corner of AQUAMARINE-TURQUOISE, the stones are interdigitated. EMERALD surface seems not to run under either wall. We can't figure out how to draw this, but it is so.

To the N, the W east wall, MALACHITE, is abutted by E sand unit, the sand on the N side of AQUAMARINE

17 May 1979

GEM + other based lines - OK

SAPPHIRE - hgt, depth, relat. to GEM

~~EMERALD~~ surface - abuts ~~AQUAMARINE~~ TURQUOISE

AQUAMARINE - interdigitates w/ TURQ.
stones on S
Sand N
NW into corner
steps up to/ EMERALD

PLAN PTS

123 G

1	North stake to PD ①		1552		
2	AQUAMARINE w end	20m N goes	1660	1 S 50° W	6.75
3	" S end	→	1754	2 S 47°45' W	7.43
4	" E end + just TURQ.		1792	3 S 29°50' W	6.76
5	TURQUOISE furthest recog. S		1965	4 S 30°15' W	7.39
6	DIAMOND step up N		1751	5 S 34°30' W	8.46
7	" S		1670	6 S 35°30' W	9.23
8	MALACHITE wall S end		1596	7 S 51° W	5.07
9	" N end sort of		1268	8 S 53°45' W	3.72
10	Poss. cont. TURQUOISE	runs 0.63 to N E	1132	9 S 24°45' W	4.81

LOTS

-123R/4A from hard earth on N side trench 50-70 cm

-123R/5 80-90 cm, f/soft earth

-123R/5A 70-90 cm f/hard earth

~123R/6 90-100 cm Soft earth

~~123R/6A 90-100 cm. in HARD EARTH~~ 123R/6A - 90-110cm HARD EARTH

123U/3 50-75 cm below GS. on SW corner

-123R/7 100-130 cm. in SOFT EARTH

~~123R/7A 100-130cm. in HARD EARTH~~

-123R/8 130-150 cm. - all in HARD EARTH

~1234/4 75-95 cm. Below SW. corner

~123T/1 includes EARTH + rumble above apparent packed stone surface CATTED

~~in E. extent of stone.~~

~~T/1A~~

-123V/1 0-20 cm.

-123V/2 20-40 cm.

-123V/3 40-~~60cm~~ 75 cm

-123T/2 material in earth E of CORAL wall

-123T/3 material in earth of/over stones in E extension

-123T/4 below CATTED

-123R/9 150-160 cm

-123R/4B 50-70 cm - HARD + SOFT EARTH mixed.

123T/3 sand E of DALACHITE to below its base

May 1979

1.40 at 123R, T, 4

123R	NE	1110	N 19° 15' E	4.64
	SE	1074	N 28° E	3.84
	SW	1230	N 11° E	3.31
	NW	1201	N 5° 30' E	4.31
123T	NW orig	1260	S 28° 15' E	5.09
	NE orig	1278	S 38° 45' E	5.56
	SE orig & Endwall	1352	S 33° 55' E	6.61
	SW orig & W orig	1213	S 23° E	6.28
123T E ext	CORAL wall S	1819	S 51° 30' E	8.15
	CORAL N	1641	S 55° 45' E	7.69
1234	SW	0948	N 64° 30' E	18.54
	NW	0948	N 41° E	8.90
	SE	0812	N 65° 15' E	19.52
	NE	0873	N 62° 30' E	19.91
	Corner	1307	N 88° 45' E	32.71
	Undetermined Str. Nside	0855	N 51° 45' E	21.81

30.10

1.475 at 1232 =

1	1234 NW corner	0974	N 48° 15' W	20.35
2	NE	0890	N 46° 30' W	19.34
3	SE	0866	N 49° 45' W	18.66
4	SW	0864	N 51° 15' W	19.61
5 to 80 for 1235		0410 + 1.24	S 14° 30' W	87.10

30.10 + 30.0 + 27.10 = 87.10

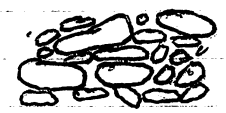
D79-5-118

MAY/79

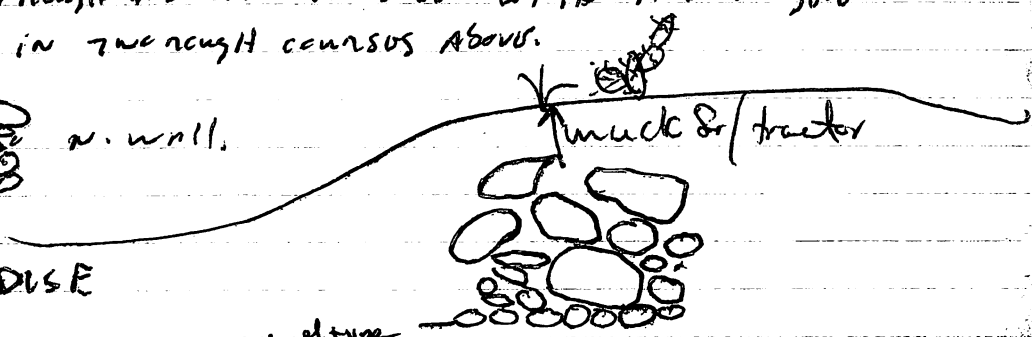
AHHH!!!

123G+m - A Tourquoise wall is now uncovered to a total extent of c. 2.50m. N.-S. Composed of large, c. 26x17 to 17x17 cm. cobbles packed around with smaller, c. 10x10 to 25x25 cm. chinking stones. The latter seem to form a "course" along the base of the wall while the larger stones are concentrated more towards the middle and top where chinkins fill up the interstices between the large rocks. In the SW. portion of 123m we dug down in an area c. 80cm. N.-S. x 60cm. E.-W. + found a continuation of the rock surface noted to the N. of Agnam Area c. 18cm. below the base of Tourquoise. Between this level + Tourquoise the earth seems similar to the "gray" level elsewhere, below it seems somewhat lighter, more similar to Level 5. Excavated c. 25cm. below the level of the base of this level. Top of surface from Burning Datum is: 1.05m. Tourquoise rests on the "gray" level. Above is the B.

The north wall turned out to be just below the northmost line shot last week, though the base large upper stones seem tilted out of line by c. 25cm. As with Tourquoise this wall is not often badly ~~preserved~~ but is recognizable. It stands to a height of c. 70cm. + is exposed for c. 60cm. w. of the E. end of the original line. Stones are large, c. 18cm. High + 14cm. thick, packed around with small chinking stones, c. 6x6cm. No obvious coursing, like the Agnam wall in Tourquoise is obvious here, though, again, small stones seem to form a rough kind of the base with the larger stones arranged in two rough courses above.



N. wall.



SKETCH TURQUOISE

D79-5-119

215 next site number

104 Vaca Brava

21 May 1979

Started off by going to Manacal, intending to dig Vaca Brava (#104). All the groups have been plowed, and except for the summit of the large str. and the NW corner of the platforms, nothing is left intact. It's no longer worth digging, so we surface-collected and left.

LOTS

104 B / 1 from platform group area

104 B / 2 fr / 3 mnd group near road

104 B / 3 fr / large mnd vicinity

104 B / 4 North group outwash on NW

104 B / 5 North group among strs

The plowing is the very deepest thorough sort 40 - 50 cm deep, and has been extremely destructive

We decided not to risk the car on the long ride to Monte Grande, and except for some small stuff near the highway, don't plan to do anything more w/ Manacal. Oh, we need to walk around a bit but I don't have much hope of finding any thing after all the plowing

N79-50-120

21 May 1979

We next went N of Cofradia on Carlos Arevalo's land. These fields have also been plowed, but very shallowly ~10-15cm. Also, w/a few exception, the strs of Sin Arboles and El Aire were not touched. The lines run up to strs. & then stop, big & large. A couple sweeps came near to the bases of a few strs. but they are largely intact. The dubious strs. of El Aire were, however, plowed over, and show nothing but small rocks and gravel. Since there are sherds in between the putative strs. we have decided to dig one, but only w/o summit pit in 20 cm levels.

Because all the groups are in such a precarious state, & because they're so close together, we're pitting Sin Arboles (# 158) and El Aire (# 159). At Sin Arboles we're only doing 1 str; at El Aire, 1 dubious str. & 1 str. in each of the 3 groups.

OPS

Sin Arboles 158

-B 1.5m x 1.0m pit, w/ long axis paralleling str. axis, in str. east most w-ward str. side in East grp.; on E side

-C 1.0 x 1.0 m pit in str on summit of dubious

El Aire 159

-B 1.0 x 1.0m pit on str, "str A"

-C 1.5m x 1.0m pit, long axis paralleling str's axis, on str 7, S side W group on edge

-D 1.5 m x 1.0m pit, long axis paralleling str's axis on str 7, E side E group on edge

-E 1.5 m x 1.0m pit, long axis paralleling str's axis, on East side of str 8 of the lower terrace group

F NE corner Str 7, W group on edge; 1.0 x 1.0m

G 1.0 x 1.0 m pit on W side Str 7, near SW corner for str. 4 in W most edge group

21/MAY/79
PLAN POINTS
ELAINE, 159 E.

1	[illegible] trench	SE corner	N 30 45 E	4.09
2		NE	N 20 45 W	5.45
3		NW	N 13° W	5.40
4		SW	N 11° 45' W	3.90
deleted 5	~~TROLL Send~~		~~N 15 W~~	~~3.96~~
6	~~TROLL N end~~		~~N 30 W~~	~~5.30~~
7	North stake		N	7.48
8	TROLL	S end	N 8° 30' W	4.13
9	TROLL	N end not tech	N 8° 15' W	5.01

159 B Aire

A completely unproductive excavation! No shards were found. The men dug through 45 cm of red earth and small pebbles. Yet to the E, between this feature & the other putative mounds are a moderate number of shards. So it appears that these ~~items~~ may not be mounds. If they are mounds they are anomalous in that they have no stones and no shards inside

We have given up B and have moved Julio & Bernardo to the Eastern group of Sin Arboles

159 C Aire

A lovely wall, ELF, has been uncovered. It has a lower outset cobble course & an upper zone of smaller cobbles - A big B-jar rim was found against the base of ELF, and on a poss. old ground surface of the level of basal ELF was a large A-1 jar rim w/a polychrome fragment on top of it. The wall is so well preserved that we are going for the corners.

N79-5-122

Lots — Sin Arbol 158

Map 21
- A/1 surface of field around str
- B/1 centr E of poss. stone alignment
- B/2 W. of/within stone alignment GHOST wall

Map 22
- C/1 ~~East~~ South of construction (SPIRIT poss. wall)
- C/2 among tumble immediately S of SPIRIT

COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION
WILLIAM PENN MEMORIAL MUSEUM AND ARCHIVES BUILDING
BOX 1026
HARRISBURG, PENNSYLVANIA 17108

March 21, 1972

Mr. Edward Schortman
Ivy Hall Apts., Apt. H-2
400 Wollasten Avenue
Newark, Del., 19711

Dear Mr. Schortman:

The excavation at Valley Forge is scheduled to begin early in April and your labour is needed for a week. The primary objective is the search for hut sites which might lie under a proposed parking lot. A crew of six to eight individuals will be utilized during the first week of April and if needed a lesser number will be employed during the following weeks.

The following terms can be offered:

1. Your status is that of an archaeological consultant and a sum of $50.00 per week will be paid to you for your participation in the project.

2. Arrive on Sunday, 2 April, in the evening or early Monday, 3 April, and plan on working until the following weekend.

3. Housing will be provided in an unused railway station; however, you will have to provide bedding and it might be wise to bring an air mattress or cot.

4. All meals will be provided.

If you are available please confirm by return mail. The railway station where we will be quartered is near Washington's headquarters, in the park. The site of the excavations is along outerline drive.

Sincerely,

Vance Packard

Vance Packard
Associate Curator of Anthropology
WILLIAM PENN MEMORIAL MUSEUM

VP:mc

22/MAY/77
PLAN POINTS SIN ARBOLES 158 B

	POINT	DISTANCE	ANGLE
1	NW cor. ⊠	3.71 m.	N54°00'W.
2	NE " "	2.65 m.	N51°30'W.
3	SE " "	2.80 m.	~~N51°15'W~~ N 81°15'W.
4	SW. " W. ext.	5.30 m.	N68°30'W.
5	NW. " " "	5.26 m.	N64°00'W.
6	NE. " " " + GHOST N.	4.00 m.	N65°00'W.
7	NE. cor. SPR.	4.32 m.	N38°15'W.
8	SE " "	4.48 m.	N58°45'W.

GHOST SPIRIT LINE

SIN ARBOLES 158 C

1	NE trench	N36°W	2.17
2	SE trench	N58°W	2.53
3	SPIRIT E end	N31°30'W	3.19
4	" W end not trench	N42°45'W	3.59
5	SPR. NE corner	N15°45'W	6.38
6	SPR. NW corner	N39°45'W	7.51

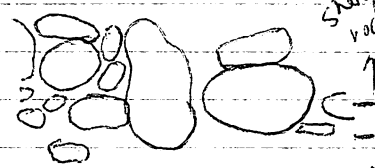
The line of soil runs straight across the counter

NOTES 158 C Sin Arboles

SPIRIT wall is exposed for c. 0.80 m. It is very rough and stands c. 32 cm high. It has 2 different kinds of rocks - large cobbles and smaller rocks. The 2 large cobbles are 29 cm x 12 thick, 19 wide x 31 thick. Smaller stones are 10 x 6 to 7 x 7. There may have been larger stones atop of the remaining SPIRIT - it is stumbled on the N side of the trench & is 16 wide x 14 thick x 42 deep. There is no coursing in what we have exposed, although all rocks seem to be at about the same basal level.

Soils are like B - red brown on top few pebbles dry, fine & lower red clayey soil w/ pebbles. At SPIRIT, red level lays 6 cm against

Sketch



SPIRIT extends 10-45 cm to W of N-S trench line; is same height as trench

SPIRIT X Section
Brown/Red Compact Clay
Rocks

LOTS — E1 Ave 159 N-74-5-123

May 21

A|1 near dubious strs bottom
A|2 near the Western group on upper terrace
A|3 near Eastern group on upper terrace
A|4 around strs. on lower terrace
C|1 earth S of construction ELF wall
D|1 earth E of construction GOBLIN
E|1 earth E of construction TROLL
C|2 shards found broken at base of ELF
D|2 west behind GOBLIN in fill E of FAIRY
~~D|2 West of TROLL wall f.1~~
D|3 metate frag in GOBLIN wall
F|1 earth N of construction [redacted] GNOME

G|1 West of WILLYS wall
E|2 above stones to W of TROLL
E|3 below stones in earth fill W of TROLL

22 May 1979

El Aive PLAN PTS. 159 D

1	NE corner orig. Trench	N 4° W	1	2.98
2	SE " " "	N 27°30' W	2	1.69
3	GOBLIN South of Trench	N 39° W	3	2.72
4	" North of trench	N 19° 15' W	4	3.76
5	FAIRY North end of trench	N 28° 45' W	5	4.76
6	" South of trench	N 38° W	6	4.28
7	" surface line	N 57° W	7	3.78
8	FAIRY SW corner surface	N 40° 45' W	8	4.57
9	FAIRY NW " "	N 27° W	9	5.69
10	" NE " "	N 24° 45' W	10	5.37
11	GOBLIN surface	N 12° W	11	4.38
12	SW. NW corner	N 28° 45' W	12	6.20
13	" SW corner	N 60° 15' W	13	5.37

PHOTOS

79-5- BwL 6 EL AIRE, 159 C, ELF wall, looking N., METER AT 52cm. Also shows TWO LARGE SHARDS SMASHED AT wall BASE

79-5 - BwL 7 SAME, looking W. Along wall edge (ELF) METER AT 52cm. BEHIND (W.) OF SHARDS

8 EL AIRE 159 E, TROLL wall (TUMBLE) looking SW., METER AT 1.02m.

9 EL AIRE 159 E, TROLL wall - AFTER cleaning OF TUMBLE, looking W METER AT 85cm.

10 EL AIRE 159 E, SAME, looking

11 tumble in front of SPIRIT & SinArbobs 158C

12 SinArbobs 158 C, SPIRIT wall scale .32m

22 May 79-5 BWT 1 FAIRY wall, the "bench" El Aire 159 D

2 GOBLIN wall El Aire 159 D scale .52

3 metate 159 D frag embedded in GOBLIN wall scale .52

4 TROLL & above, ~~El Aire~~ Aire 159 E back mostly scale 0.68 m

5 ELF original + Addition AT STEP-OUT JUNCTION, ~~159~~ 159 C, looking N, METER AT 52cm.

6 159 C, ELF Add. STEP-OUT + ORIGINAL upper line JUNCTION Focusing on 'buried' portion OF original wall, looking W, M AT 36cm

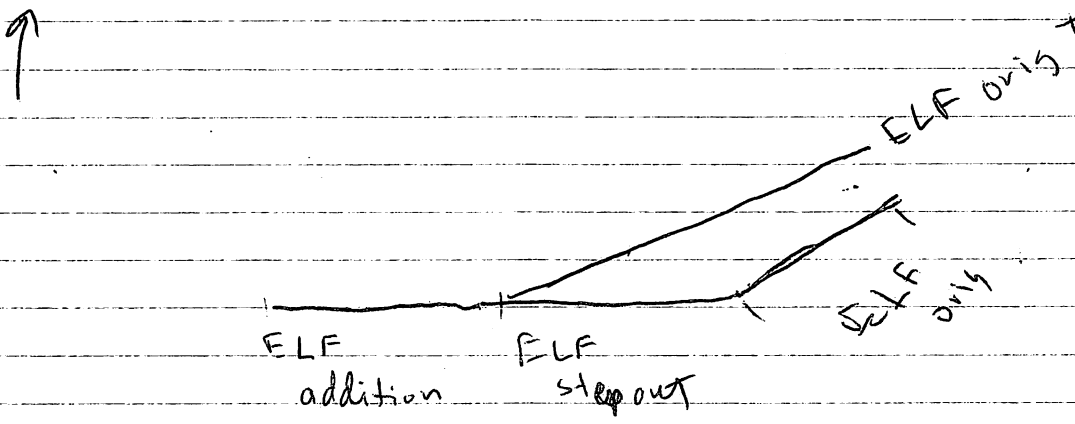
7 long shot of 159C ELF showing angle changes

120

23 May 1979

PLAN PTS 159 C, F, and G

1	159 F	NW corner	1	N 44°45' W	4.68
2		NE corner	2	N 60°15' W	3.92
3		wall W end of trench	3	N 33°45' W	3.76
4		wall E end of trench	4	N 28°15' W	2.90
5		Pt on E surface line	5	N 81°15' W	2.57
1596 6		ELF original SE corner	6	S 6.9° W	3.59
7		ELF orig. Lower line W end	7	S 80° W	4.75
8		ELF orig. Top line E end	8	S 76°45' W	4.08
9		ELF orig top W end	9	S 89°15' W	5.96
10		ELF stepout E end	10	S 71°45' W	4.97
11		ELF addition SW corner	30 cm W to 11	N 85° W	7.14
12		SW corner trench	trench corner 12	N 86°15' W	7.83
13		SE orig trench	13	S 70°15' W	5.04
14		SE Ext extension goes 60 cm E	14	S 57°30' W	3.62
15	159 G	SE corner	15	N 8 10 15 W	5.82
16		SW	16	N 77°45' W	6.93
17		NE	17	N 70°30' W	5.67
18		NW	18	N 69°15' W	6.87



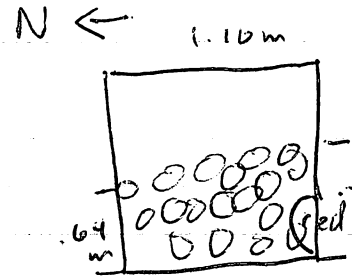
23 May 1979

159 F

wall is exposed for c. 1.0 m E-W, and at its highest is 0.28 m high. It is a scrabbly wall, made of chunks w/no attempt at facing, man-made or natural. Rocks sizes are: largest 17 cm thick x 30 long; smaller ones 7 cm thick x 10 cm wide. There is no obvious coursing. The wall rests on hard red very pebbly soil, and its top stones are visible on the surface. The red soil buries the bottom 5-7 cm of the wall. Above the red soil is the typical red-brown A level. Few sherds were found

196

No wall line was found, although surface indications on the S & N made us think there was a wall. stones are visible in the trench base, and many were removed from the W end of the trench. This we interpret as a tumbled wall.



In the E face is a based level of red soil w/ small rocks & lots of pebbles. It is 0.31 m thick. The upper, A, is c. 10 cm thick and has a layer of small cobbles eg. 14 x 7½ The red soil also appears in the trench base among the stones - on the W end the A is 12 cm thick, & the red ~ above BE. No sherds were found in this pit

23 May 1979

in S face of trench

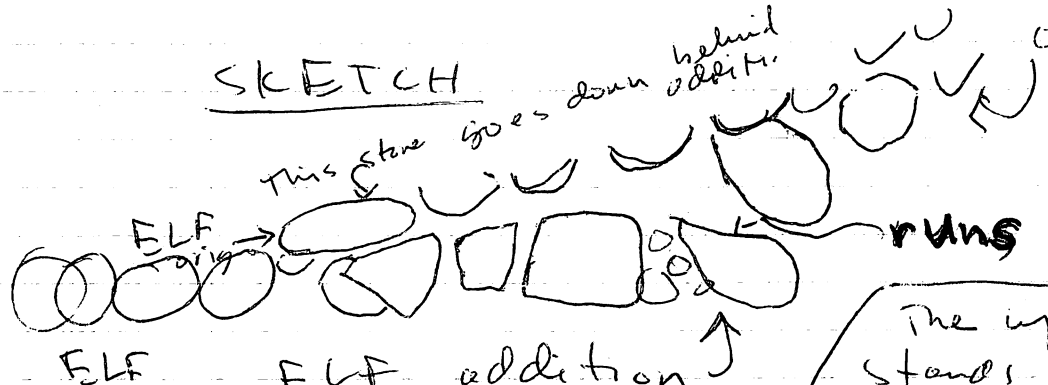
154C

which buries base 5-7 cm

Misc. >cm thick R.15

All wall sit at about same level & rest on red pebbly soil. ELF wall seems to have been built in 2 phases at least. The first phase, designated ELF orig., is composed of a wall and a step out. The wall's upper level is clear for a length of 2.20 m. On the East the wall has a small stepout about 1 cobble/chunk wide & high, & it stands .28 m high. Under the cobbles/chunks are smaller chinking stones. The orig. step out runs behind the addition, which was added at a different angle. The addition step out has more cobbles than chunks, the reverse of the original step out. In the addition, cobbles range from 31 cm long x 7 thick x 24 deep to 20 long x 6 thick x 28 deep; and 11 long x 9 thick x 24 deep. The addition stepout is c. 0.20 m high, and comes out at the western junction ELF orig c. 12 cm, at E junct 26 cm. On East end ELF addition stones are tilted down to East. ELF addition is, except for the junct 1 cobble high w/ loose chinkers. ELF addition does not run under ELF orig

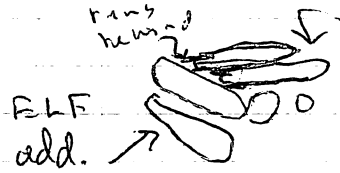
SKETCH



ELF orig's stepout is 24 cm high sometimes; is 1 large stone high, others 2 cobbles high. Sizes: 30 long x 20 thick; small 23 x 5 cm. Exposure = 1.55 m

The upper line of ELF orig stands 25 cm above top of addition stepout. It is more or less 2 courses high. Stones are rough cobbles 15 x 10, 21 x 13. There are chinking stones in between.

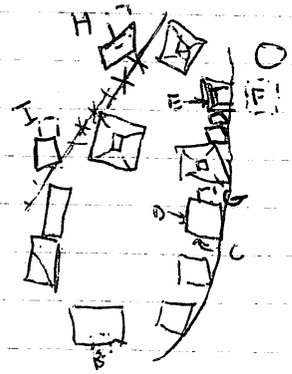
SKETCH
E end ELF addition



ELF addition continues at the new angle for c. 1.27 m. On the W it is 1.24 cm high. It may have 2 courses of cobbles, but it's in bad shape. Cobbles range 27 long x 7 thick to 9 x 9 - long ones on top, round ones on bottom.

23 May 1979 #120 N79-5-129

Sin Arboles and El Aive are finished, and we have moved on to Guayacial for some brief excavations - 3 Strs. and 4 pit off the rise looking for trash



OPS: 120 B 1.5 m NS by 1.0 m EW pit on S side of Str. the south most Str in the group

120 C a 1.5 m EW x 1.0 m NS pit on S side of Str, the 3rd S/the South in the line on the ridge

120 D 1.5 m NS x 1.0 m EW pit on W side of Str.

120 E 1.5 m EW x 1.0 NS pit on W side of smallest Str, Str , the Northmost in the line on the edge

120 F 1.0 x 1.0 m pit ~~at~~ the base of the contour ~~and~~ at the East ~~of~~ Str. , Northmost Str on the edge

120 G 1.0 x 1.0 m pit on N side Str [more 120 G to come]

24 May 120 H 1.0 x 1.0 m pit on West side Str , the Northmost Str in the West line w/ super Str.

120 I 1.0 x 1.0 m pit on N side Str, the 3rd fr/the South Str in the West line of Strs.

W of the fence the Strs are in mostly

120 B/3 fill-w/i construction CIDDER wall

LOTS 120 G/1 looking for N side Str - Not OWENS

120 H/4 below stones in East extension - E of 1 m line

-120 H/3 above in stones of East extension

120 D/2 mixed w/ D/3 - D/2 has only 0.5 sherds

120 F/8 100-120 cm. Below NE. corner

24 May 1979

120 F

we have encountered a possible ancient ground surface w/ many smashed sherds. Level at NE corner is 62 cm below GS. The sherds themselves are c. 64 cm below GS at NE corner, at their lowest. At the highest they are at 53 cm below GS. All are concentrated w/i 30 cm of the western face of the pit and are w/i the soil change to sandy light brown soil.

PLAN POINTS

IH = 1.425

1	120 C	SE trench	1598	S 69° 15' E	17.03
2		SW "	1633	S 66° 15' E	15.85
3		NW orig	1519	S 69° 5-10' E	15.07
4		GORDON wall East	1339	S 73° 30' E	15.91
5	change w/ step 30 cm	Tilt pt a poss. change in GORDON	1665	S 70° 36' E	14.64
6	trench 40 cm S	GORDON SW corner	1711	S 68° 30' E	13.50
7		TRIK surface	1720		
8	120 D	MORLEY wall Send	1408	S 76° 45' E	12.11
9		MORLEY mid pt.	1501	S 83° E	11.35
10		MORLEN approx	1454	S 88° 30' E	10.97
11		trench NW	1511	S 86° 15' E	9.65
12	45 cm	" SW original	1496	S 78° E	10.08
13	over	log SW corner to end of ext. 45 cm west of wall ad	1492	S 79° 45' E	10.91
14		STERLING poss. surf	1737		~~11.92~~
15	120 G	OWENS wall W	1411	N 83° 15' E	11.42
16		OWENS E disturbed	1390	N 79° E	13.24
17		NW corner E ext.	1298	N 77° 45' 30" E	12.23
18		NE orig	1312	N 75° E	11.92
19		NW orig	1406	N 77° 30' E	10.87
20		OWENS mid pt. poss. orig corner	1419	N 81° 15' E	11.95
21		poss. surface	1565		
22		poss surface	1684		
23	120 I	NE corner trench	0638	N 52° 30' W	15.88
24		NW corner trench	0633	N 55° W	16.57

24 May 1979

25	120 I	GANN Wood base	1094	N56°30'W	16.08
26		GANN E end	1011	N54° W	15.43
27		poss. terrace 2 E	0726	N55° W	15.18
28		poss. terrace 2 W	0770	N57°30' W	15.62
29		poss. terrace 3 W	6523	N59°15' W	15.40
30		poss terrace 3 E	0525	N56°45' W	14.73
31		sherd beef	1291		
32		TO NORTH STAKE	1204		

PLAN PTS

1 H = 1.515 on E side

1	120 E NW corner	0441	S82° W	5.98
2	25cm South SW	6419	S78°30' W	5.82
3	25cm to SE orig SW of W extension	0441	S75°30' W	4.21
4	40cm East to SE East Ext. NE trench	0365	S68° W	3.82
5	120 F NE corner	2727	N46° E	5.71
6	SE corner	2787	N58° E	4.24
7	SW corner	2583	N53°30' E	3.24
8	NW	2565	N39° E	3.77
9	Sh. to S of edge	0727	S22° W	4.70
10	" " NW corner	2425	S44°15' W	10.10
11	TO W stake	0428	W	7.77

LOTS

P79-5-132

23 May 1979

-120F/1 0-20 cm below datum - GS at NE corner

-120F/2 20-40 cm

~~MORLEY~~
~~FAUDSLEY~~ -120B/1 surface to 65 cm below SE, and 1.04 cm N of trenches S wall ⊥ to poss construction
THOMPSON
~~WAUCHOPE~~
~~TRIC~~ -120C/1 surface to ~~=~~ 10 cm below SW corner & S of construction
~~RICKETSON~~ 120B
~~KIDDER~~ 120B or poss. construction
~~GANN~~ -120D/1 surface to cm below above TRIC poss. surface and W of MORLEY wall
~~GORDON~~
STEPHENS -120B/2 To N of Line 1.04 cm N of S wall trench probably 2 Fill lot
CATHERWOOD
BULLARD -120E/1 W of poss stone alignment, 1.50 m E of trench W wall & 40 cm below NW corner
~~QUEENS~~
VAILLANT
PIIVA CHAN
STERLING -120E/2 East of Line 1.54 m E of trench W wall, to 40 cm below NW corner
~~FARRAR~~
~~TAYLOR~~
COVARRUBIAS
GATTO -120F/3 40-60 cm below GS NE corner
BLOM
STRONG -120F/4 vessels broken on poss. old surface
PAUL
POPENOE -120F/5 sherds from soil change c. 48-62 cm below NE corner

120H WAUCHOPE -120C/2 below stones & "surface" south of wall
120C GORDON wall -120H/1 earth to tumble 0-45 cm below
~~GANN~~ TRIC surface
120D MORLEY wall -120H/2 45 to cm below NW corner
STERLING S of
120F/6 62-80 cm
120G QUEENS wall RICKETSON interior wall
120I GANN wall -120F/7 80-100 cm

120I/3 - 3 HAND LEVEL
3 + SE 1/2 EXCAV.

-120I/1
-120I/2
-120D/2
-120D/3

Surface to construction wall → fill E of MORLEY wall

N of GANN below basecut of innermost course of GANN

below "surface" STERLING

DUNE

Optimal	0|6	Jovan	Planned
2	2|1	Colibri	
3	3|1	Canal	
30	9|10	Tabacalera	
5	5|1	Cano	
4 or 5	4|1 or 5|1	chichicaste	
10	5|2	Portuario	
6	6|1	Terraza	12 8|2 or 12|1 w/ end caballo
27	9|3	Brazo	
			30 30|1 Pinos
28	28|1	Jamaica	
31 non ordinal	33|1	Santo Tomas	

1 grp	2	3	4/5	5	6	~~10~~ 10 grps	[12]	28 [30] 31
2 grps						10	[16]	
3 grps							27	
10 grps								30

need: 1

P79-5-133

PHOTOS

79-5-BUTT 9 120 D, MORLEY wall detail at center of exposure w/ poss. surface - scale on surface TRI IC at 35 cm

23 May 1979

BUTT 10 120 D long shot of MORLEY from NNW scale at 2.0 m

BUTT 11 120 F probable ground surface w/ smashed vessels 5.6 at 1/125 sec

BUTT 12 120F some diff setting 4/5.6 1/125 sec

79-5-BUN 1 120 G looking at poss. addition junction

2 120 G OKENS wall

3 120 I shard surface

4 120 I shard surf

5 120 the cleared portion of orig. interior wall - RICKETSON

6 120 D set through MORLEY

7 120 H WAUCHOPE wall f/ West

P79-5-134

25 May 1979

PLAN PTS. 120 B 1 H = 1.50

1	Trench	SW corner	1324	S 71°45' W	12.97
2		SE "	1339	S 70°50' W	11.05
3	KIDDER	Wall W	1259	S 76°30' W	1.76
4	KIDDER	E end	1343	S 75°36' W	10.89
5	Trench	NW	0806	S 82° W	11.62
6		NE	0828	S 81° W	10.72
7	Sh. To East	SE ridge	1532	N 41°45' E	7.28
8		SW corner	1084	N 4°45' E	5.09
9	2nd ELEV	MORLEY	Southend	1748	

120 C NOTES

GORDON wall stands ca. 40 cm high. The larger cobbles in this wall are on top, and are supported by an irregular mass of small cobbles & what would be chinking stones elsewhere. The large cobbles run 18 x 18cm; 24 x 7cm; 24 x 10 cm. The small cobbles are 8 x 4; 11 x 4; 5 x 5 - w/a few slightly larger. The mass of small stones does appear to be horizontally laid?, but there is no apparent coursing. At the W end of trench's East face is a 30cm step in to the north. This is apparently the SW corner of an earlier structure. The corner has a med. large basal stone 33 E-W x 15 thick w/small stones packed between it & larger upper cobble the base of which is 21 cm above the top of the corner stone. The upper rock 24 x 10 cm. The corner stone seems to be sunk a few cm deeper than the rest of the wall - 4-6 cm. The addition continues for 1.20 to the W, and is basically only small stones. If the upper cobbles were used they are now missing. The addition seems less well constructed than the rest. The corner of the addition has 2 largish cobbles, 25 x 6 for the lower one & 14 x 8 for the upper, which is tilting to the west. There is also a possible stone surface [TRK] throughout the trench.

25 May 1979

120 C cont.

It is rather uneven, but seems to be [redacted] stone thick. The largest stone is 47 NS x 38 EW, others are 6x6 cm, 10x15 - a wide variety of sizes. We have an elevation on the surface, recorded elsewhere. Tumble extends 80 cms of construction
Soils - below the wall & the surface is a light brown somewhat sandy soil, very hard, w/ a few pebbles. The upper level is softer, siltier & darker brown. The wall base may have been c. 9 cm into the lower level. Some of the uppermost rocks in the wall are visible on the surface, sticking up as much as 8 cm.

120 G

The wall - OWENS - is exposed for a total length of 2.40, which includes the original and the addition. There is no clear coursing of the large & small stones which make up the wall. Larger stones run 18x17; 20x6; 25x11; 15x8. Other stones are smaller - 6x4 to 9x6 cm. The wall may be as much as 37 cm high.

c. 1.47 m West of trench's East wall is the corner of the original wall. It is notable for its larger stones. The basal stone is 28 cm NS x 13 thick x 27 EW. It appears to have set on a small laja, which is in turn supported by chinking stones. The laja is 23 NS x 2 thick x 30 EW. Above the basal large rock is a smaller cobble, tumbled to the N as is the basal rock. The highest stone is 29 NS x 13 Thick x 33 EW. The original W wall - RICKETSON - may have stood 52 cm high. We have cut 70 cm to the south into OWENS along the line of RICKETSON. RICKETSON resembles GORDON in 120 C in that both are made of large stones and small chinking stones & the large stones seem unbalanced on top of the small ones. In contrast, OWENS' stones are

120 G cont.
almost all med to lrg cobbles, packed w/ chinkers

There may be a stone surface here, but it is problematic. We have elevations on 2 possible levels, 1 at approx the correct height, another higher.

The soils are like 120 O - an A level of light brown to tan hard dry silty soil c. 14 cm thick in trench W of wall. Below that is the brown silty level, softer & damper, c. 24 cm thick in W trench wall. The wall may be buried by the brown level up to 11 cm.

The top stones of OWENS just break the surface, as does the largest corner stone of RICKETSON.

There is some tumble extending 50-70 cm to the W

120 I

120 I is on the N side of Str 12, on the W side of the fence. The wall which has appeared is called GANN and seems to have 3 terraces, w/ the lowest being the closest. All are exposed for a length of 1.0m E-W. The lowest terrace of GANN is composed of an upper course of cobbles - ranging in size fr 22x6 to 17x8 to 12x12 (this is below any). These stones rest on a single level of chinking stones 5x3 to 7x4 in size. Total height of GANN I is c. 17cm. ~~GRO~~ Ground Surf on the East face is 41 cm above the top of GANN I.

GANN II is covered by 10 cm earth on East side disturbed. It lies c. 28 cm S of GANN I's front (N) side, and at max is 21 cm high. It may have been 2 med to small cobbles high originally. Some ~~of the~~ stones of GANN I run under GANN II, or some doubt. At the "top" of GANN II there may be a small terrace surface, running 10 cm to the S made of small & medium cobbles. Stone sizes: 17x7; 19x5 some chinker packing.

120I cont

GANN III may have had 2 courses of cobbles. It is preserved to a height of 23 cm. The stones range from 23x11 cm to 13x4 cm to 15x15. The level is poorly preserved; it protrudes above ground surface.

The shard level lies 15 cm below the base of GANN I. The shards may precede the construction of GANN I - we have excavated 10 cm under GANN (to the S) & the shards continue

Soils: 4 levels are present. At the top is the typical lt. brown A, which is 15 cm thick in the East face. Below that is the typical brown fine textured, silty, soft than A, few roots. This is c. 26 cm thick. The B

The lowest level is similar to B, but with more pebbles & somewhat harder & more compacted. It has shards - & is the 120 I/2 lot level. It intersects the top of GANN I, and is 28 cm thick in the E wall

Under GANN the soil is extremely hard. It is like the lowest level outside the wall, but drier & harder

The fourth level, at the base of excavation, is similar to the 3rd, but is redder in color. This level has the smashed sherds of 120 I/3

There is very little tumble in the trench.

On the surface it looks like there may be one more step up to the summit

24 May 1979 P 79-5-138

120H PLAN PTS IH - 1.41m.

1	NW corner trench	1352	S 3° 15' W	4.15
2	SW corner	1325	S 2° 15' E	5.12
3	WAUCHOPE Sand	1625	S 14° 30' E	4.61
4	or car. WAUCHOPE Wand	1682	S 12° 30' E	3.94
5	goes E 33 cm ft			
6	to West S	2162	N 88° E	25.97
7	Str. NE corner	1492	N 83° E	10.53
8				

120H notes

We believe we have reached a wall, christened WAUCHOPE. It is exposed the entire length of the trench, 1.0 m NS. On the South side it may have 3 remaining courses, standing 32 cm high, but to the North of these stones all but the basal levels are rather tumbled. In the middle, there is a lajq, somewhat tilted to the North, overlying the basal stones. Stone sizes for the basal level are: largest 28 NS x 16 thick; others 19 NS x 7 thick; the 2 upper stones on the S are 23 x 9 (upper) and 14 x 6 cm (middle). No chinkers are in this S stack, though the basal course seems to sit on a level of chinking stones. This feature appears on the surface to be a terrace of some sort. The lowest course seems 12-13 cm thick

Earth overlies the 3 stacked stones to a depth of 18 cm.

Soils: WAUCHOPE rests on & is buried to a height of 8 cm above wall base by very hard tan silty sand mixture - sand is very fine - w some small pebbles. The hard soil was essentially sterile. Above this level (which is 2 cm thick in toto) lies a level 35 cm high of tumbled rocks

The tumble rests on the lower hard soil bed. Tumble sizes ø 21x7 (long) smallest 11x5. These stones are densely packed. Earth among the stones & the brown soft earth encountered elsewhere, perhaps a little blacker than usual. Above the stones for c. 6 cm is the A horizon of light brown hardish soil.

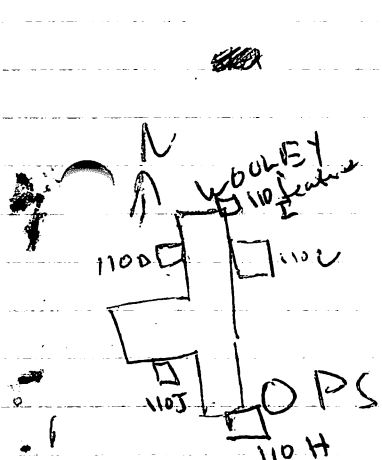
Below NW corner BE is 76 cm. Below wall BE is 20 cm below wall's base

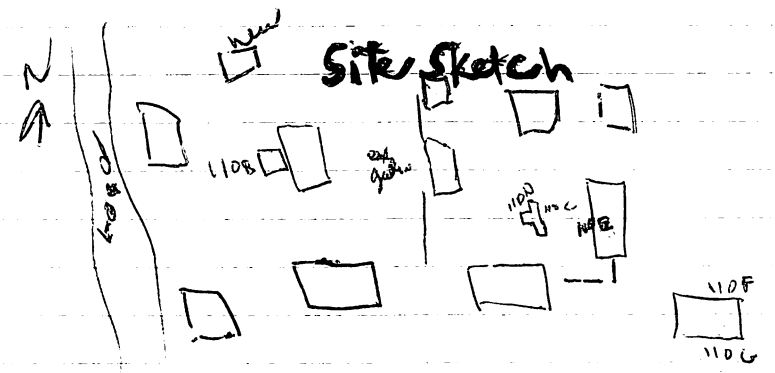
P79-5-140

28 May 1979 #110

We finally made it to San Bartolo, so far w/o incident. We've passed the men working at the entrance and a truck full of soldiers w/o so much as curiosity.

The central and Northern strs are in fairly clear condition- old corn stalks & some bur vegies. To the East, however, the site is very overgrown. We had 4 men clearing, looking for a str. I remembered on the SE margin. We sort of gave up on that, and are clearing off 1 on the East plaza, S end, E of where the B contour/terrace line makes a corner.





110 B on West side of large str (Str 12) on wall/bank of ex-gallinera, 1.0 NS x 1.5 EW

110 C on East side of tiny small str (Str 10) in center of central plaza, 1.0 x 1.0 m

110 D on W side of N wing small str (Str 10) 1.0 x 1.0

110 E on West side of str 6 which is on the East side of the central plaza

110 F 1.0 x 1.0 m pit on NE side Str 7

110 G 1.0 x 1.0 m pit on SW side Str 7 (where 110 E is)

LOTS

~~WOOLEY 110 B/D~~
~~PETRIE 110E~~
~~PITT-RIVERS~~
~~CARTER 120 G~~
~~WHEELER 110 B~~
~~CHILDE~~
~~MALOWAN~~
SCHLEIMAN
CARNAVON
KENYON
ICRATER

110 A/1 from earth pushed up in road grading

110 B/1 earth West of poss. construction

110 D/1 Earth N of WOOLEY feature

110 E/1 Earth West of PETRIE wall & above bottom course

110 E/2 Earth East of construction of PETRIE, in poss. terrace fill

110 F/1 earth North of construction of PITT-RIVERS wall

110 G/1 Earth S of poss. construction

110 E/3 stones below earth East of PETRIE wall and West of main str.

110 F/2 earth above PITT-RIVERS terrace

110 F/3 stone tumble N of poss 2nd terrace (CHILDE terrace ?)

110 D/2 sherds ~~w/ WOOLEY control~~ N of WOOLEY control's N wall

110 D/3 sherds in stones & earth S of WOOLEY control N wall & N of internal wall MALOWAN

110 H/1 SURFACE TO CONSTRUCTION AND ITS BASE

PHOTOS

79-5 - BWN9 110 C East side WOOLEY looking West scale 35cm

BWN10 110D WOOLEY CENTRAL North side taken from South - AT JUNCTION W/ CENTRAL FEATURE

120 VERACHROME PAN		ASA 125	
OR A SECOND @ 125	BRIGHT SUN	F 16	
"	LIGHT OVERCAST	F 11	
"	HEAVY "	F 8	

BWN 11 110D,

BWN10 110D, JUNCTION woolby CENTRAL/N. SIDE + Woolby N. wing, N. side, looking E. MOTOR AT 35cm.

BWN11 110D, woolby N. wing, N. side, looking NE, MOTOR AT 85cm.

BWN12 110D, woolby CENTRAL, N. SIDE, 2 rooms, MOTOR AT 85cm.

79-5-BW D-1 110 G - CARTER wall

2

3

4 110B WHEELER poss. wall

5 closeup poss wall NO E Eastend pit

6 Logge shot of 110 Etrench

7 NALOWAN wall 110D

8 WOOLBY/ South end Sorting scale 1-65cm

9 WOOLE SOUTH wing East side scales-150cm

29 May 1979

The publicity on Tony's str. broke today w/ front page photos and a full page story w/ more pics inside. The story was fairly decent - not incorrect, not inflammatory. All the names were spelt wrong of course, and a few land owners were left off the list - Ubaldo Gonzalez, Luis Nolasco, Jorge Comacho & the Monacal folks, also Francisco Sinceri, although we really aren't working there this year. On the whole I don't think its a bad thing, as long as the Institute is aware that we didn't seek this publicity. It just sort of happened by word of mouth. Pedro Pacheco came out looking a little silly w/ a statement about how he won't give permission w/o a command by the Min. of Educacion, and that we visited the mounds once w/o permission which was an "abuse." We have to talk to Emilio about the landowners who were left out; and to find out if he put the papers onto Pacheco or not.

San Bartolo does not seem to have many sherds. I hope we have enough to date the site

1V0 G Str. 7

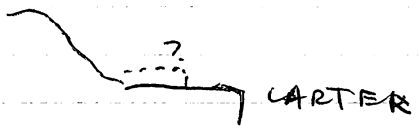
The South wall of Str 7 was been uncovered and named CARTER wall. It is made of an upper level of medium cobbles supported by c. 15 cm of small stones - chunks & small cobbley things. The larger upper stones run 23 cm long x 7 thick x 15 deep; 27 x 7 x 18; 23 x 13 x 15; and 24 x 7 x c. 20. All the exposed stones seem to have been chosen for their flat faces. The lower small stones range in size from 10 cm long down; 12 x 10; 11 x 4; 8 x 3; 8 x 4. They seem to get smaller as they go down and blend into small packed stones & pebbles in the base of the trench. This packing may represent some sort of rough

surface or step out - for drainage or runoff perhaps. CARTER clearly stands 30cm high, w c.100 cm of the packed small stones below what we believe is the base of the wall. The highest stone of the top is only 2-3cm below ground surface, but c. 8 cm of earth overburden is more common. The wall is exposed for 1.0m in total E-W

The earth here is a light dull brown in color topsoil in the East face is c. 25 cm thick, below which is c. 18cm of packed stones. There is little tumble.

The structure itself seems to have had a back terrace - CARTER - before changing to a steeper slope up to the summit. The change of slope appears about 1-30 m N of CARTER's front margin, but no lines are clearly visible.

Sketch of Str Profile



At the limit of excavation c. 50cm N of CARTER's front are some large cobbles which appear tumbled. 2 cobbles span almost the total width of the trench - 1 is 49 X 7 thick, the other 36 X 15 thick. They may represent an intermediate step in the terrace before the steeper change.

MORE OPS

110 H 1.0x1.0m pit on SE corner of Str 10 WOOLEY South wing

110 I 1.0x1.0m pit on NE corner of Str 10 WOOLEY North wing

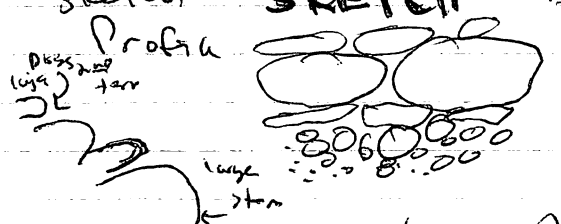
29 May 1979

110 B

We have probably hit a very poorly preserved "rear" or West wall on this Str (Str 12), which is being called WHEELER. Very few sherds have come out of this excavation, which combined w the large size of the rocks leads us to abandon this trench.

We believe we have the wall for several reasons: there is little tumble to the W, but the stones are thoroughly packed, though somewhat tumbled, to the East of the line; the line seems to be at the correct angle for the Str; and there does seem to be some coursing / terracing visible

WHEELER seems to be constructed of an upper level of large stones, resting on a level of flat stones and lajas which are, in turn, supported by cobbles (a few) and small stones. One large stones measured 73 cm wide x 18 thick; a laja is 24 x 5. The wall stands c. 52 cm starting c 66 cm back from the wall's front is the poss. next terrace. On top of the large stones of WHEELER there may have been another level of smaller cobbles



Under WHEELER is hard yellow-tan pebbly soil, 14 cm to BE; this soil may have lapped 5 cm over the base of WHEELER. The topsoil is a soft light brown fine, silty soil, which in front of WHEELER in trench's N face is 31 cm thick. The large stones of WHEELER just break the surface; & on N the poss. upper small stones is 2 cm above GS.

Tumble extends the length of trench but doesn't give an impression of being dense. It rests on the yellow-tan soil level.

The yellow soil dips somewhat to the West: in the W face it is 23 cm below N w cover, which is 7 cm below top of wall.

30 May 1979

PLAN PTS. 1H = 1475

110 B

			53°45'		
1	SW corner trench	0778	S ~~[illegible]~~ W		14.72
2	NW " "	0824	S 53° 30' W		13.75
3	WHEELER S end	0819	S 49° 45' W		14.81
4	WHEELER N	0593	S 48° W		13.83
5	Level poss. 2nd [illegible] NE Trench	0410	S 40° W		14.20
6	SE Trench	0331	S 74° W		15.07
7	to SE Stake	1810	S 45° E	N22°30' E	19.16
8	Str N W corner	1212	S 22° 25' W		2.91
9	Str. NE corner not GS	1690	S 45° E	N 45° W	17.99

31 MAY 1979

110 C and 110 I
WOOLEY

~~[illegible]~~ N wing changes construction 1.20 m N of trench south wall. This expanse has 4 lajas set upright. c. 50 m N of the last laja the wall is 35 cm deep built of cobbles. The next 1.90 m of the wall is a 6x of cobbles on the brown pebbly soil level. The cobbles are roughly 15 cm long x 10 thick, AT the NE corner is the largest stone which is 37 cm wide E-W x 20 cm thick x 36 long N-S. There is a small square of lajas and cobbles near the NE corner but East of the wall. This is unexplainable - it doesn't really look like tumble - there is, but much tumble E of WOOLEY North Cobbles in the outset are c. 11 wide x 10 thick. 2 good lajas [illegible] x 38 N-S x 6 thick x 38 E-W

Sketch
1.20
.50
1.90
BP soil

Sketch
31
54
24
84

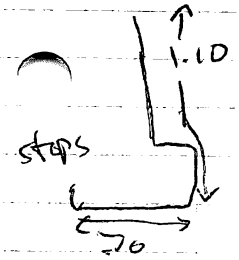
31 May 1979

The tops of the rocks in the "outset" are approx at the base of the cobble wall line

The lajas on end are 30 ~~wide~~ on N wide NS x 43, but goes into BF x 7 thick middle 25 NS x 37 up+down y & Thick. 3rd (in drawing) is 20 NS

110 H

The East face of WOOLEY South is exposed for 1.10 South of trench N face. It is a single course of med. to large cobbles. Size are 21 x long x ~~10~~ thick; ~~28 x 9~~, 29 x 17. The extent on the South end is c. 70 cm. ~~During the field season the wall does not continue to the North~~



The south end may be 2 course of cobbles in height, standing C. 32 cm. Cobble sizes 25 x 15, 17 x 8, 20 x 11. Few chinking stones are used anywhere in WOOLEY S. The wall sits on the Brown Pebble layer, & the BP tops up c. ~~3~~ cm on the West side and 6 cm on the East

PLAN PTS Sqr.

1	110 H NE corner	1401	1	S 54° W	7.32
2	SE corner	1398	2	S 55° 50' 55" W	9.33
3	SW corner W extension	1278	3	S 73° 15' W	8.97
4	NW corner W ext.	1228	4	S 74° W	8.17
5	SW corner WOOLEY South	1289	5	S 66° 30' W	8.39
6	SE " " "	1392	6	S 62° W	8.25
7	north most extent Wooley S, Eastern	1268		S 63° 45' W	7.66
8	110 D SW corner	1188	8	S 87° 45' W	6.20
9	" SE corner	1148	9	S 82° W	5.65
10	Center portion Swell, E end	1099	10	S 85° W	5.07
11	" " " W end	1039	11	N 87° 15' W	5.65

31 May 1979

IH = 1.435 148

trench goes 35 cm N, 0 cm E 55 cm

	PLAN PTS	Sdr.		Other Sdr.	
12	110 D west. Wall w end	0999	13	N 71° W	4.91
	trench goes 13 45cm N of N wall central part, E end	1263	14	N 79°45' W	3.43
	then W 43cm 14 across goes 45cm W of WOOLEY central W end	1305	2	N 60° 15' W	3.91
15	" " "	1333	3	E end corner w/ W side WOOLEY N	N 66° W	2.98
16	WOOLEY North, West side, trench	1221	4	N 38°30' W	2.77
17	110 D orig NW corner	1394	5	N 45° W	4.07
18	" SW corner	1199	6	N 57°45' W	4.26
19	WOOLEY N orig, East side Spt	1432	7	N 49°30' W	1.60
20	" " end lajas	1398	8	N 21° 30' W	1.69
21	" " change in angle also const. change	1265	9	N 7°45' W	2.08
38cm W end trench 22	WOOLEY North NE corner	1326	10	N 14°45' E	3.85
23	poss. step out	1378	11	N 18°30' E	3.56
24	" " Sedge lajas SW trench	1339	12	N 18° 15' E	2.72
25	trench NE corner	1423		N 33°30' E	3.38
26	" SE corner	1445		N 30° 15' E	2.47
27	110 C NE corner	1357		N 13° E	2.42
~~28~~					
28	110 E NW corner	1444	15	S 42° 15' E	5.66
29	SW corner	1443	R6	S 32°45' E	5.94
30	PETRIE S end	1617	17	S 32°45' E	6.29
31	PETRIE N end	1613	18	S 42° E	6.29
32	PETRIE II N end	1478	19	S 42° 15' E	6.87
33	" S end	1536	26	S 35°45' E	7.00
34	PETRIE III S end	1317	27	S 38° 15' E	8.06
35	" " N	1359	28	S 44° E	8.13
36	Basal course S	1778	28	S 42°30' E	10.11
37	Basal " N	1714	24	S 45' E	10.24

31 May 1979

PLAN PTS 110F + 110G 1H = 1.30 on W side

1	110 F	SE corner trench	2690	N86°45' E	8.81
2		NW	2609	N81°15' E	8.39
3		PITT-RIVERS W	2477	N85° E	7.48
4		" E	2468	S88°15' E	8.97
5		upper poss. wall E ttrench	1859	S76° E	6.17
6		" W ttrench	2014	S88°30' E	5.42
7	Str. NW corner		2202	N44° E	6.07
8	Str SW corner		2070	N89°15' W	4.36
9	110 G SW corner		2283	S33° W	6.38
10	SE		2341	S24°30' W	6.93
11	CARTER wall E end		2474	S22°45' W	6.54
12	" W		2425	S30°15' W	5.83
13	.61 m to N trench fr (12)				
14	.65 m to N trench fr (11)				

MAPPING IN NEW STRS

	fr Sta ①				
1	Str A, Str 13	NE corner	c. 200m	N23°45' W	1.44
2		SE corner		S54°30' W	1.586
3		NW corner road		N42°15' W	11.10
4	TO PD for 110 B			S67°15' E	12.60
5	Sta ② on Str. B				
6	Str. B	NW	.40m hi	N66°45' W	10.50
7	Str 14	NE		N64°45' W	7.80
8		SE		N85°30' W	8.10
9	Str. D	SW	1.0m	N33°45' W	12.20
10	Str 15	SE		N 2° W	11.50
11		NE + river		N60°30' E	16.60
12	Str. B	NW	1.5m on W	N 10° E	8.50
13		SE	2.00m E	S56° E	9.70
14		SW		S15°15' W	3.20
	S side road T.P.			S52°15' W	18.01
	Sta ③ set up on 110 B 45° E stake			N32°30' E	9.50

@79-5-152

3 June 1979

#215 near the big red water pipe and a big quebrada which looks to me (PAH) like an old river course for the Naco. Site -- on N edge of this queb. c. 45 m W of the pipe + the gate where the cattle can come in to get a drink. The site is bounded on the north by a cattle path, in which a few sherds appear, these being the clue to the site. The mounds are very small - looking at the smallest like a flat stone concentration, up to 40 cm in height on the S + highest side for the largest.

Str ① the highest c. S 80° E / N 80° W 40 cm S 10 W
c. 5 m SE / NW x 3 m

Str ② 4 m on Str ① az away to W of Str ① 10 cm on W
20 cm on S c. 4.0 m NW / SE x 3

Str ③ (~~pass~~) in some line - N side in some line
c. 4 m of Str ② to W c. 20 cm high
and 40-50 cm S
S 18° W 2 m long by 5

LOT 215A ||

Str ④ bm or phous c. 3 m diam 10 cm talus
N 60° W of Str 1 c. N 20° E of Str 3
c. 9 m of Str ③
stones are chunks of cobbles

~~#216~~ #217

single mound WSW of #215
c. 250 m away roughly c. 40 m on E, 25 on W
built on edge of contour 6 paces (E-W) NS
by > E w large cobbles, recently old house

215011 = 0-20 cm. N81.5W.
215B1 = " " 40 cm. SE. "

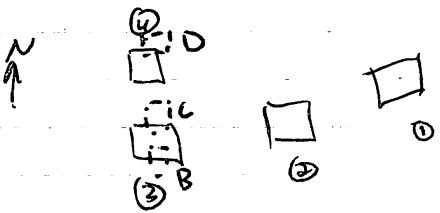
P79-5-151

4 June 1979

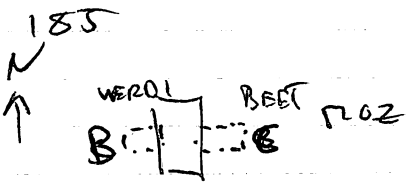
Today we begin quick & simple excavations in 2 sites in the recently discovered #215, Tabo Rojo, a small mound site on a quebrada South of Tunas, but which joins into it; and #185, a single str. To the North of Q. Las Tunas.

OPS:

215



185



From #215 to 185

215 B — 1.0X1.0m pit on S side str 3
C 1.0X1.0m on N side str 3
D 1.0X1.0 on N side str 4

185 B West side
185 C East side of Str

N 79-5-151
bottom

June 5 '79

PLAN PTS 185 B & C cont. of pg 155

11	185 C	MOZART N end	S82° 15' E	3.72
12		MOZART S end	S75° E	2.79
13		BEETHOVEN N end	N86° E	3.43
14		BEETHOVEN S	N86° E	2.56

N 79-5-152
bottom

-185 B/1 earth & rumble W of VERDI wall up to 40cm below SW corner

-185 C/1 earth & rumble East of MOZART wall (& a few cm. of earth above)

COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION
WILLIAM PENN MEMORIAL MUSEUM AND ARCHIVES BUILDING
BOX 1026
HARRISBURG, PENNSYLVANIA 17108

March 21, 1972

Mr. Edward Schortman
Ivy Hall Apts., Apt. H-2
400 Wollasten Avenue
Newark, Del., 19711

Dear Mr. Schortman:

The excavation at Valley Forge is scheduled to begin early in April and your labour is needed for a week. The primary objective is the search for hut sites which might lie under a proposed parking lot. A crew of six to eight individuals will be utilized during the first week of April and if needed a lesser number will be employed during the following weeks.

The following terms can be offered:

1. Your status is that of an archaeological consultant and a sum of $50.00 per week will be paid to you for your participation in the project.

2. Arrive on Sunday, 2 April, in the evening or early Monday, 3 April, and plan on working until the following weekend.

3. Housing will be provided in an unused railway station; however, you will have to provide bedding and it might be wise to bring an air mattress or cot.

4. All meals will be provided.

If you are available please confirm by return mail. The railway station where we will be quartered is near Washington's headquarters, in the park. The site of the excavations is along outerline drive.

Sincerely,

Vance Packard

Vance Packard
Associate Curator of Anthropology
WILLIAM PENN MEMORIAL MUSEUM

VP:mc

LOTS

~~WAGNER~~
~~VERDI~~
~~MOZART~~
~~BELLINI~~
ROSSINI
~~PASSENET~~
BIZET
~~GOUNOD~~
HANDEL
~~BEETHOVEN~~
TIPPET
DONIZETTI
BRITTEN
MOUSSORGSKY

215 - A/1 from cattle path N of mnds

215 - B/1 from upper soil level, to c 24 cm below GS at SE corner - includes carbon sample

- B/2 from second hard soil level c 24 to cm below GS

- D/1 in upper soil / top soil level, to 20 cm below GS at NE corner N° PUCCINI wall

~~D/2 hard (concrete-like) soil level c. to cm below GS~~

- C/2 North of construction WAGNER in hard gray clay

- D/2 earth + stones below mounds upper surface ROSSINI surface - a fill lot in stones

- C/1 N of WAGNER, in topsoil

- B/3 from tumble South of poss wall

- D/3 from cutting PUCCINI

217 Quinto 154 bottom

both 1.0 x 1.0 m

217B/1 earth W of at poss. constr
217C/1 earth E of poss. construction

with N-Th of La Palma GRP II (image)

N 74-5-152 bottom

PTS N 74-5-14 Midden

N 46° 15' W1	4.30
N 60° W2	4.30
N 61° 45' W	3.38
N 44° 45' W	3.13
N 40° 30' W	4.61
N 7,0 15' E	4.70
S 22° E	
S 56° 45' E	5.33
S 45° 45' E	5.58
S 40° E	4.67
S 50° 45' E	4.08
	6.06

3 STRAUSS walls
4 STRAUSS N
5 Str. NW corner
6 Str NE corner
7 Str SE corner
8 217C NE trench
9 SE
10 ADAM South
11

217C NOTES

ADAM exhibits different construction t/ the other mounds in this area (as does STRAUSS in 217B). It is very small cobbles & chinking stones surrounded by a row of larger cobbles. Under the small stones in places are lajas. Other lajas appeared in the course of excavation to have tumbled fr/above. ADAM is exposed for 1.0 m and stands 45 cm high. The upper cobbles are in size 19x10x25 deep; 14 long x 10 thick x 20 deep. The small stones are 8x1; 6x4; 4x4; lajas 19x3.

The wall rests on the local tan barro, which is overlain by the brown soil. Tumble is dense to E for c. 3.0 m. The top rocks are visible on S. At NE corner BE is 20 cm down. Ground slopes down to E

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VP:mc

PHOTOS

79-5- BWD 5 215D, ~~LOADER~~ BELLINI wall

BWD 6 same, diff setting

BWD 7 185 B VERDI wall
~~fr~~ | West, scale 35 cm

BWD 8 ~~185~~ ~~215~~ 185 C MOZART

BWD 9 215 C WAGNER wall

BWD 10 ~~185 C MOZART in section~~

BWD 11 185C MOZART wall
in section

BWD 12 TIPPET wall, 186 C, fr/south Scale 32cm

ACA 125 BWP 1 TIPPET poss. str. SW corner

Sun 1/125 f/16
Light overcast 1/125 f/11
overcast 1/125 f/8

BWP-2 DONIZETTI wall, 186 D, looking S., meter at 1.02m.

BWP-3 BIZET wall, 186 B, looking E., meter at 52cm.

BWP-4 ADAM wall 217 C

BWP-5 STRAUSS wall 217 B

BWP-6 217 C, ADAM wall, looking W., meter at 35cm.

BWP-7 217 B, STRAUSS wall, looking E., meter at 35cm.

4 June 1979

Rene & Gerardo are finished w/ 185 B, so we have decided to open up at La Palma. Ed has discovered another mound to the NW of the main ⊕, putting it into the desirable > str category.

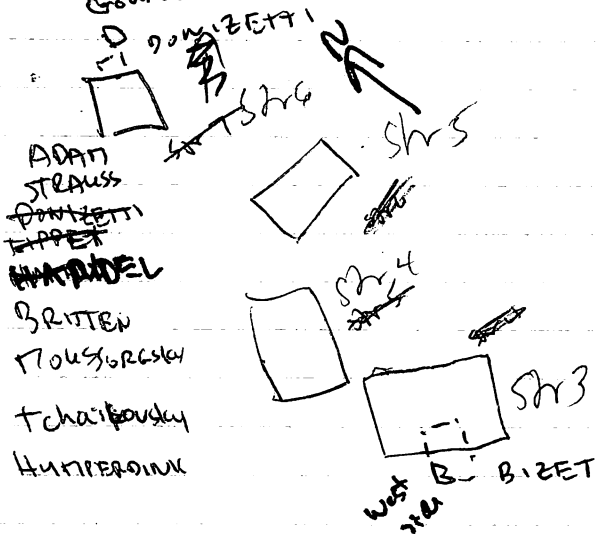
OPS 186 LA PALMA

186 B 1.0x1.0m pit on the S side of Str SW most Str 4

June 5 1979

186 C 1.0x1.0m pit on South side of Str SE most Str 3

186 D 1.0x1.0 on West side Str 3 - Str 4



LOTS

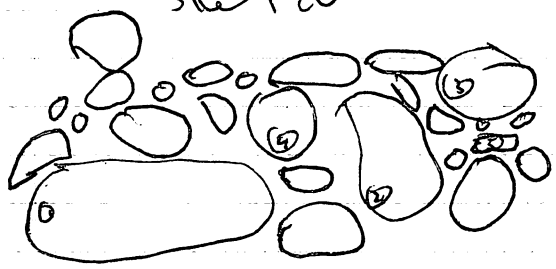
- 186 B/1 earth SW const
- 186 B/2 Cleaning stores at tumble pass wall
- 186 B/3 cutting into pass wall
- 186 C/1 Top soil SE of pass const
- 186 C/2 base level S of const
- 186 B/3 fill below summit NE wall
- 186 D/1 earth North of construction

5 June 1979

H65 B NOTES

VERD1 wall is exposed for a distance of 1.07 m N/S & stands 36 cm high. ~~There is~~ There is no true coursing. Large to small cobbles are used - sizes: ① 31 cm N/S x 12 thick; ② 20 N/S x 24 thick; ③ 24 N/S x 13 thick; ④ 12 N/S x 10 thick; ⑤ 9 x 5 quartz plus chinkers (a few). This wall is not as "tight" in terms of stones as other walls seen prob. because it's built w/ very hard, very fine clay "mortar"

Sketch



Soils from bottom up: at base of excav, 46 cm below SW corner, is a 6 cm thick level of very hard, fine tan clay. The middle level is 30 cm thick, is hard, & tan, but of many small pebbles and sand. Topsoil is 6-4 cm thick - Soft light brown fine, silty. Topsoil barely covers the top of VERD1 - 2 stones are visible on ground surf

Some tumble throughout pit

H65 B&C PLAN pts.

1	185 B SW corner		
2	NW	N 23°30' E	5.23
3	VERD1 N end of trench	N 30° E	6.00
4	VERD1 S end	N 36° E	5.46
5	185 C SE corner	N 32° E	4.24
6	NE	S 56° E	3.05
7	STR. SE corner	S 65° E	3.83
8	SW corner	N 68° E	1.44
9	NW corner	N 9°45 E	2.60
10	NE corner	N 43°15' E	7.26
		N 74° E	7.75

cont. on pg. 151

N79-5-156

5 June 1979

PLAN PTS #215

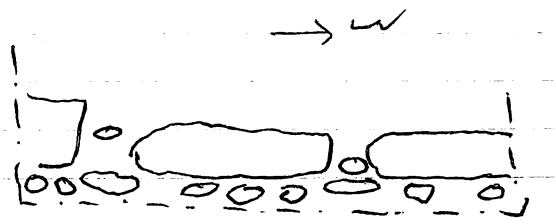
1	215 D	NE corner	Str. 4		
2		NW			
3		Wall wed PUCCINI			
4		East			
5		Upper wall E end			
6		Upper wall W end			
7		SW corner trench			
8		SE corner			
9		Str. NE corner			
10		NW			
11		SW	no elevations		
12	215 C	NW corner trench			
13		NE " "			
14		WAGNER E end			
15		" W end			
16	215 B	SE trench			
17		SW			
18		MASSENET W end			
19		" E approx			
20	Str. 3	SW corner			
21		SE			
22		NE			
23	Edge				
24	Edge	Str. 1 SW corner			
25		SE			
26		NE			
27	Edge				
28	Str. 2	SE corner	no elev on N		
29		NE			
30		SW			

1	N 14° E	7.82
2	N 5° 30' E	7.91
1	N 7° E	7.09
2	N 15° E	7.28
	N 15° E	6.90
	N 6° 30' E	6.87
3	N 6° 45' E	5.97
4	N 17° 15' E	6.10
5	N 21° E	7.25
6	due N	6.90
7	N 0° 30' E	4.90
	S 76° 45' W	3.89
	S 44° 45' W	3.10
3	S 58° 15' W	3.61
4	S 66° 15' W	4.27
	S 31° 15' W	9.30
5	S 36° W	9.68
6	S 39° 45' W	8.81
	S 32° W	8.11
8	S 47° 15' W	9.50
9	S 21° 30' W	7.60
10	S 43° W	3.10
	S 9° W	17.40
11	S 74° 30' E	9.25
12	S 73° 45' E	11.90
13	N 84° 45' E	13.00
	S 43° 30' E	22.20
14	S 56° E	4.90
15	S 85° 30' E	4.60
16	S 36° E	2.30

215 C NOTES

WAGNER wall is exposed for a length of 45 cm. It has a clear based course, of which 3 stones can be seen. These seem chosen for their regularity and flatness of at least 1 side, which gives the course an impression of being of cut or roughly faced stones; the flatness is, however, natural. The central stone is completely visible and is 33 cm long, 10 thick and 24 deep; the right stone is visible for 37 cm E-W (close to total length) and is 20 cm thick; the left stone is 17 cm thick & is exposed for c. 15 cm E-W (not its full length.

sketch



The based course is underlain by small chinking-type stones, running 6x3 cm, 5x2 cm, 10x3 cm (loose) and 10x5 (largest) - most are c. 5-6 x 2 or 3 cm. Above this course matters are unclear (but it appears that a line of largish chunks/cobbles sat above this lower level. The based course is 27 cm high on the left and 13 cm on the right. Including the cobbles above gives a height of c. 47 cm. The upper cobble breaks the ground surface.

total depth exposed is

Under the wall and lapping c. 5 cm against it is the hard gray soil level. This is covered on the West trench wall by c. 20-25 cm of humble mixed with earth, getting browner towards the top - Topsoil is only c. 6-10 cm thick, and is the fine brown noted in 215 D. The stones behind based WAGNER seem packed w/ a med-hard soil in between Topsoil & Gray in color & texture. The Topsoil is by far the softest level, & the packing material next; G is very hard. Sherds seemed to come mostly from level = to based WAGNER

5 June 1979 158

25 B

MASSEVET wall is exposed for 1.20m. It is tumbled to S, downhill, and is composed of large cobbles. Cobble sizes are: 24 Dia x 11 Thick x 22 Ht; 25 Long, 18 Thick, 30 deep; others are somewhat smaller. It is preserved to 2 stones high, 7 25 cm high. No coursing is visible, nor do the stones seem chosen for their flat sides.

The wall sits on a dark brown clayey soil w some sand. At x base of exc cor, 16 cm below wall base, is a very hard gray loam level w many pebbles & sand. Top soil is c. 9cm thick on the East trench face.

Tumble extends throughout the trench. The upper wall stones show on the surface BE is 35 cm below SE corner, but ground is lower on the S

6 June 1979
PLAN PTS
LA PALMA

P79-5-159

1	186 C	SE corner	S 7° 15' W	27.75
2		SW	S 9° 45' W	27.55
3		SW corner W ext.	S 10° W	26.94
4		TIPPET E end	S 6° 30' W	26.18
5	trench goes NE-SW	TIPPET W & poss. SW ch. corner	S 9° 15' W	26.15
6	186 B	SE corner E extension	S 33° 45' W	22.36
7		NE corner E extension	S 34° 15' W	21.81
8		NW corner E ext	S 36° W	22.21
9		SW corner E ext	S 35° 15' W	22.62
10		BIZET South end	S 35° 45' W	22.97
11		BIZET North end	S 36° 45' W	22.06
12		NW corner trench	S 39° 30' W	22.81
13		SW " "	S 38° W	23.66
14	Largest Str.	NE corner	S 49° 15' W	11.05
15		NW	S 63° W	15.00
16	AZIMUTH TO #217		c. S 24° 30' W	
17	AZ to 185		N 23° E	
18	AZ to 215 approx		S 20° W	
19	Sta ① to Sta ②		N 0° 45' W	30.~~00~~
~~20~~				
20	186 D	SE corner	N 0° 15' W	9.93
21		SW	N 40° 30' W	16.33
22		DONIZETTI West trench extends	N 10° 45' W	11.83
23		DONIZETTI East 43 cm wall	N 3° E	11.55
24	Str 7	NE corner	N 12° E	11.18
25		SE c. 30cm high	N 10° 30' E	6.90
26		SW	N 17° 30' W	8.40

186 C NOTES

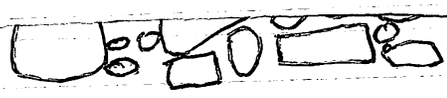
TIPPET wall is exposed for c. 1.10 m and is about 43 cm high. Despite its seemingly reasonable preservation, no coursing is visible - largest smaller rocks are jesed together w/o much order, although there may be a layer of small chinkers at the base. Stone sizes: largest 27 long x 25 high/thick); 14 long, 12 thick; 17 long x thick

6 June 1979 N79-5-161

TOP

186D

12-14 cm as one moves S in the pit. At SW corner GS is 20 cm above surface - ~~GS~~ is rising, too. The soil is Brown level,



surface a few cm.

The wall rests on a hard burnt level, light brown to tan in color, and including sand. Above that is a silty, dark brown to brown-black level which retains moisture. This brown level is c. 15 cm thick at the SE corner, as BB at 21 cm. The tumble is confined to soil above the hard level. Above the brown is an "A" horizon of topsoil c. 8-10 cm thick

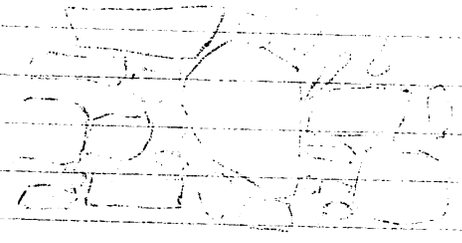
The ground is slanting down to the South, towards the ravine, & the soil levels slant as well.

186D

DONIZETTI wall is very low, c. 27 cm, and can be seen for a length of 10m. It is composed of medium sized stones, not quite chunks, but not worn cobbles either; sizes: 17x12; 21x7; 17x6 There is no obvious coursing though smaller stones seem to be near the wall base. [Small stones avg. 8x3 cm.]

Under the wall is the hard grayish burnt level, w/ sand in it, & this level laps up c. 3 cm against the wall base. Above this, c. 30 cm thick, is dark brown silty soil. No real topsoil horizon is visible. On the wall is 20 cm below GS, 15 cm below on E.

To the south is a possible platform summit of irregularly laid stones of all sizes - largest 28x20 to 6x4. It rises



N79-5-162

7 June 1979

28

N81° W az of str
a single mound in the field just west of field where Arturo Paz's corrals are

az to New Power Plant c. S 64° W

c. 5 m on long axis, 3 m short
c. 40 cm high

29 EL RINLON

Map pts in corner by La Sierra road

1	Str. 1	SW corner	at most 10 cm	1	N 82° E	12.20
2		SE		2	N 84° 15' E	15.40
3		NW		3	N 72° E	12.70
4	Str. 2	SE corner	10 cm or less	4	N 61° 30' E	13.70
5		NE		5	N 53° 30' E	14.90
6		SW		6	N 55° 45' E	11.50
7	Str. 3	NE	20-30 cm	7	N 33° E	11.40
8		SE		8	N 49° E	8.10
9		SW		9	N 14° 15' E	6.50
10	Str. 4	NW corner	10-15 cm	10	S 75° 30' E	12.50
11		NE		11	S 76° 15' E	14.60
12		SW		12	S 60° E	11.80
13	Str. 5	NE	70-80 cm	13	S 44° E	9.80
14		NW		14	S 9° 30' E	4.60
15		SW		15	S 9° W	9.80
16	Str. 6	NE	30 cm	16	N 47° W	7.90
17		SE		17	N 77° W	> 40
18		SW		18	N 75° 45' W	11.00
19	Str. 7	NW	10 cm	19	N 39° 15' W	5.06
20		NE		20	N 12° W	5.00
21		SE		21	N 12° 30' W	3.60
22	Str. 8	NE sort of	15 N	22	S 67° W	13.40
23		SE	30 S	23	S 49° W	13.50
24		SW		24	S 52° W	15.90

Site on slight rise - ground drops to N & S, E & W
dip on south before rising again; all cobbles; 3 poss. str

7 June

N79-5-163

#191 Gramae Estrella bn B. Pazz Land

Normally round but from size of it base must have been more ; also field-is in estrella grass

az S 84° W c. 7m on shot axis, 8.5 long

hgt. >10m ; all river cobbles

Pits + their location

2 construction phases

20-2 wk

frontal steps up to east

4 levels

base of in yellow sandrath w/ white patch

see only 1 step pisa

preserved 15 cm

no large undressed 30 – 32 cm 8×10

w/ one circular block T 6-4 + 5-4

(c. 5 cm each) second rise 25 cm

2-3 courses

large 30×10 and 21×8 next to

left side = poss 90 cm terrace to small

6-8 cm rise – then 32 cm to 26-28 cm rise

or 120 terrace to ≈ 32 cm rise

adam note -- Nail about 2 × 10 block by 1 in stone making

last rise

2 courses

29×10

29×8 blocks

All under steps / terraces

large rocks 50 cm × 14 22 × 14

20 × 12 20 × 12 35 × 10

+ earth -- 20 × 12 32 × 12 20 × 18

move earth more east to next feature near to east 29 × 5

Terrace 8 × 5 8 × 4 10 × 3 small

These about a standing wall or platform facing

80 cm high 38 cm thick

rests in yellow sandy layer

not coursed

facing stones -- large + med. set in small stone

mehl x

largest -- 30 NS x 20 thick

med	20 x 10	18 x 10	15 x 12 16 x 13	20 x 8
		18 x 8 18 x 6		
	10 x 13	~~9~~ x 9		

med small	9 x 5	10 x 6 10 x 4	10 x 3	
small	8 x 3	7 x 2	4 x 2	5 x 2
	7 x 3	6 x 3	5 x 2	6 x 2
	5 x 3	6 x 6	6 x 2	6 x 2

3-5 cm diam

east of this under

I reconstruct a surface of med small stones

(large 24 x 10 med 12 x 6 small 5 x 3 5 x 2

ca. 75 cm BW to a step-up 00 cm

high 2 courses

ex cav to 30 cm below top wall/facing

fill 10-40 cm dense rocks

but below "step" is sand All

(3)

at approx level of top step + ca 2.5 m is
surface [illegible] pocl
pad 20-2nd (see below for sm f)
w/ ~ EMERALD about AQUAMARINE

also poss that the wall resting on sand unit
is pl. fwd wall
IT's base is 22 cm above facing in w + 6 cm
above reconstructed top step of 2nd wall

M pit
to north on summit -- recovered buried
L-shaped wall top preserved section
roughly = in depth to top of orig. plat-facing
ca 64 cm higher
segment exposed 1.3 m NS Y 40 EW
also in this M pit is surface of flat cobbles in
sand fill (above below) is 18 cm below baseline
terminal summit wall -- may relate to
20-2nd
20 1st

East side H + N pits

H 1.93 cm wall clear 55 cm disturbed
2 courses (0.25 cm cobbles + some laja) west 45 Y 10 laja 25 Y 3
14-31 Hg 7-9 fr th
little packing in upper chamber, but below lowest
course is poss. footing 3-6 cm thick of very small
rocks

seems that this a basal terrace or step based on: in excav. mat above → angle of slope, some visible stone lines + evidence for / N pit

N pit –

basal line exposed 1.06 m
2 courses ~25 cm consist. like in N

West of front 63 cm cobble sat
aid
11 x 11 bag 21 x 16

no clear corner stone but line stops

could not resolve upper section in either pit or – chose not to / N due to heavy overburden

N or N face a pit

(A)

Summit – G + R Pits

G in line w/ E R to north

2 Construction phases 1st A + 1st B
latest earlier

room sh.

at least a N + S room,

Pers N C + S

≅ to S in 2 room scheme

but could not clear south of aerial line

main (will call S) room –

Stone pavement at least 1.10 wide / stone mostly flat 6 – 26 cm E-W
on East – poss. 1.50 or 1.80 depends on width of east side 6 – 16 N-S

1st step up (BOTERALD) rests on pavement
18 cm high (one stone)
at least 30 deep
50–55 deep poss 50–55

2nd step up trampled + disturbed
rests on first 40–45 deep

Then eastern wall does not seem to rest on 2nd step up
door shape step up
60 cm high no coursing they abut

Largest rock 23 X 15 most 18 X 6 or less
12 X 5 12 X 10 10 X 4 8 X 3 10 X 4

N edge marked by low wall or pors. bench
88 cm wide
stands 20 cm high in S. end
3 8 cm north side

no clear coursing
flat rocks flat laid
sizes as in E wall

This intermediate wall
joint it + steps are unclear
Emerald abuts 1st step seems to abut
second abuts possibly
stone surface abuts
Diamond prob.

West less clear
The N wall does corner turn south
clear for about 1.30 west of corner

at the junct. axial & Summit
tree roots + situation disturbed
definite drop to pavement at 60 cm
30 cm — but if 1 or 2
steps unclear
If 2 pavements this is 1.50
0 to 80

C

So -- formal paved summit room at least 1.10 (not counting step ups) to 2.30 from the clear E to clear W walls

to North 20-1st A

clay floored room 3.60 NS x 2.30 EW delimited by cobble wall 3 sides -- in poor condition -- max preserved hgt on N -- 70 cm

goes to 5 or more cm below top of EW crosswall

no coursing - like E wall main/south room in appearance

stones -- N + side large rocks

20-17 cm EW x 15 Thick

smaller packing stones 5-10 x 5-10

floating of small stones larger over higher

N wall collapsing by falling in to south

below this -- 20-1st b

originally open but paved later closed but dirt surf

poor stone surf (or disturbed) one max 18 cm thick (usually 1 stone)

rocks 4-8 cm diam some flat ones 15 x 12 8 x 3

both a+b seem to have been used with ext. room used

under yellow clay, rests on largely clay fill as seen in axial

no artifacts on any surf

3 full stands in clay floor and 1 fragmented

Surf 23 cm below top of EW crosswall

exposed 60 cm NS x 65 cm EW by cross wall + 80 x 60 elsewhere

	Sherds	B-C.	Ob Bld	Ob other	Oth Unspec	Ground St	Burnt shell	Misc
123 B	250 ~~194~~	—	—	—	—	—	—	—
C	~~545~~ 540	5	—	—	—	—	—	1 baj
D	67	1	—	—	—	—	—	—
E	217	1	1	2	—	—	—	—
F	234	~~6~~	~~61~~	4	—	1 metate	—	5 baj
G	18	—	~~8~~	3	—	—	—	—
H	178	—	~~6~~	6	—	—	—	—
I	~~204~~	~~8~~	—	—	—	—	—	—
J	~~149~~ 209	5	~~7~~	~~9~~	—	—	—	~~2~~ baj
K	~~149~~	—	~~1~~	~~32~~ 9	—	—	—	2 baj
L	~~125~~ 125	—	—	30	—	—	—	~~1~~ baj
M	~~112~~ 30	—	~~4~~	~~35~~	—	—	—	2 baj
N	~~94~~ 112	—	1	13	—	—	—	—
O	594	10	1	4	—	—	—	12 baj
P	18	—	—	1	—	—	—	—
Q	16	—	—	—	—	—	—	—
R	1356	4	3	108	2	—	3 shell 4 teeth	19 baj
S	17	—	—	—	—	—	103 bones — 1 bone tool	—
T	398	2	—	5	—	1	2	2 baj
U	870	7	—	—	—	—	—	7 baj
V	339	3	—	6	—	1 hadra	—	1 baj
Totals								

Note B~~4~~, D~~4~~ materials lost 1977 counts: B 293 C 854 D 477; Lot 106 R 17 also lost, before processing

#123

A Surf Colls all yrs
B non-structural near Str 24 (1977)
C Str. 5 1977
D Str. 6 1977
E Str. 6 1977
F Str. 20
G Str. 20
H Str. 20
I Str. 13
J Str. 15
K Str. 15
L Str. 20
M Str. 20
N Str. 20
O Str. 15
P Str. 13.
Q Str. 20.
R Non-structural - vic Strs. 33 - 34
S Str. 14
T ~~[illegible]~~ Str. 35
U near Str. 29 - non structural
V non-structural - vic. Str. 6, 7, 8

Strs. 6, 8, 13, 14, 15, 20
35 (poss. 33 or 34)

39 Strs total

~~8~~ tested w/ 2 sub-ds
1 at the non-str. or
Strs. bulldozed away
2 delib- non-struct.
1 tr. cd to find strs.
+ dirt to
4 non-str. excav.

$$39\overline{)7.00}\quad 1.79$$
39
310
273
370
351
190
156
34

Str 6

Pit D 1m EW x 270 NS

no clear facing despite excav. into rise of mound

One area of poss. delib. coursing. 2 poss courses (18 cm high max ca. 36 cm) w/some disturbed material above; base at level of facing in Str 8 to S; to N some poss. fill -- stones facing N, but sparse also single large stone

E 1m EW x 3.30 NS

summit is complex

apparent room -- may have tilt doorway

along trench W face a cor wall pres. 30 cm may be end of bench as only 1.16 - 1.22 long N-S

1.7m NS x 1m EW

3 rough courses rocks large 32 NS x 12 thick sm 18 x 4 some animbs must be 14-18 x 6-10 stones all flat

30 - 35 cm north -- a stack of rocks but did not appear to be wall -- in plan looks like pt. wall/bench ca. 1 m north of defs. E w wall or summit bench

40 cm to south another possible wall, seen only in east face of the trench: rocks for 80 cm on east than L Tum HW

The wall/bench rest on largely cobble earth fill - not flooring or pavement as is coated by ca 6 cm of orange clay -- this disturbed in many places by roots

The S terminus of orange clay stops short of S terminus "bench"

running east for ca. 1/2m from under S. edge bench is a line of rocks, 3 exposed, med lajas ca 28 - 30 cm NS x 12-30 EW at roughly right angle to bench/wall & run below its base

some poss. mud to west

Str. 8

axial trench 2.5 m long
poor to no construction - - but much root damage
esp. apparent Str center & south end

facing on north
2 courses pres. (39 cm) 25-32 long 8-12 thick
prob higher ~4 meters 40-45 cm range
out to 80 cm, though not thick
to 5 35 cm loose stone/earth
then earth only richin sherds

200 - 260 area of heavy rocks
poss facing base - at level of base of N facing
Clearest part 180 ~225
no coursing 30 cm high now poss. higher
rocks to 40 cm dia to 24 x 20; also many in post
esp in apparent rubble 4-5 cm dia range
in total 5 area of rocks 1.80 wide

Str poss. earthen with a little stone near top
as rock on N & S slant down to
below bases of poss. facing

Sqm. 14 pt. 13-14-15 Guided grp.

West side str initial 1 NS x 2 EW 123 S

Construction poorly preserved

apparent facing, max hgt 50 cm
large stone level at is top layer preserved
Stones ca. 30 cm deep EW x 8/0 thick

These rest on 30-40 cm of packed cobbles & chinkers eg. 11 cm diam, 11 deep x 9 thick

no footing

backed to east by stone & earth fill
cobbles varied in size

about 5 cm above the preserved top of facing are 2 stones (layers) suggesting that a surface might once have been true
remainder of side unclear, though both at Humble
pit had few artifacts

Non-structural tests

123 B near SW corner 24 pit 1x1

looking for poss. midden -- not found

1st level 0-30 cm

pwr dug in arbitrary 20 cm levels to 1.30 m

little cultl. material below 30 cm

none in ~~cultl~~ below 50 cm BGS

soils as seen elsewhere on site --

essentially topsoil

tan level

tan sandy level

~~tan sandy more rocks~~

123 R near Str. 33-34 apparently missed both or

gone for bulldozing - although some rocks sm sand + top 10-15 cm on W + E had small rocks

also a midden test -- this successful

pit 1m EW x 1.35 m NS down to 1.6 m

in 20 cm levels, w some horz. divs in some levels

3 soil levels ca 25 cm topsoil

ca 1.25 hard tan soil, w sand esp towards base

bottom 20 cm soft + brownr

~~apparent~~ pit mostly on S side - to ca 1.2 m BGS

softer brownr soil

shards sep. on excav.

no diffs

comp' readouts indicate thermo 2-over

1234 off ~~south~~ west side shr. 29

trying to define extent of Mid Prec mat'l of Pit

1x1 to cm levels

down to 1.15 BGS at SE corner

not quite sterile

while showed LCI occup, no MPrec

P3V attempt to locate ~~gr~~ shrs, ~~3rd~~ of grp. excav. in 1977

unsuccessful -- either misaligned or shrs. totally gone

1x1 m down to >5 cm BGS 10 cm levels

~~not to sterile~~

soils a little diff

between usual hard tan is level of soft, brownish soil, lots of ~~carbon~~ flecks

NB corner this dips -- looks like pit but doesn't appear that way in excav

also ~~obj~~ soft frequencies same

155

Shr. 4	B westside -- axial wtf	H southside
Shr. 11	C east side	
Shr. 15	D west side	
Shr. 19	F east side	
Shr. 23	G East side NWM?	
Shr. 25	E N side	

155

	Shrd	Bkd Clay	Obsid Blades	Obsid Other	Other Chip	Ground Stone	Burned Shell	Disc
B	267	13	—	—	—	1 mano	—	—
C	341	1	—	1	—	—	—	—
D	43	—	—	—	—	—	—	—
E	289	6	—	—	—	—	—	1 b
F	49	—	1	—	—	—	—	—
G	168	—	—	—	—	1 mano 1 metate	—	—
H	29	—	1	—	—	1 metate	—	—
	1206	20	2	1	—	2 mano 2 metate	—	1 b

68
221
289

158 + 159

158

158 D Str. 5 SE side

158 C Str. 1 south side

159

B poss. Str.

C Str. 7 south side. ~~(section)~~

D Str. 3 East side section)

E Str. 8 N-East side (section + elev)

F Str 7 North side

G Str 7 west side

Str. 7 -- C, F, G (plan)

158	Sherds	Reheated clay	Obsid Blade	Obsid Other	other Chip	Ground St	Bone shell	Rock
B	76	–	–	–	–	–	–	–
C	611	4	2	2	–	1 metate 1 mano? Check		
–	687	4	2	2	–	1 met 1 mano	–	–

471
140
611

159

	Sherds	Rhyolite Clay	Obsidian Rhyolite	Obsidian Other	Other Chip	Ground Stone	Bone Shell	Misc
B	—	—	—	—	—	—	—	—
C	167	—	—	—	—	1 mano	—	—
D	654	5	1	—	—	3 metate —	1 bag	
E	155	—	—	—	—	1 mut 1 mano	—	—
F	29	—	—	—	—	1 mano	—	—
G		—	—	—	—			
	1005	5	1	—	—	7	—	1

146
385
23
654

176

	Shatter	Baked clay	Obsid Blade	Obsid Other	Other Chip	Ground st	Bone shell	Misc
B	97	1	1	—	—	—	—	—
C	53	2	1	—	—	—	—	—
D	97	1	—	—	—	—	—	—
D27 E	93	—	—	—	—	—	—	—
check E	137	—	1	—	—	—	—	—
	457	4	3	—	—	—	—	—

177	Shards	Red Clay	Obsid Blds	Obsid Other	other Chipped	Grnd St	Rim Shell	Disc
B	491	—	—	—	—	—	—	—
C	232	1	2	—	—	—	—	8 bag
D	274	-	7	1 flake	2			
E	30	—	—	1 flake	—	—	—	—
134	1027	1	9	1 flake	2	—	—	3

256
48
53

$\frac{2}{5}$ 1
105
57
19
232

294
30

10.12

180

	Sherds	Bk Clay	Ob Bld	Ob other	Other Chip	Grnd Sh	Bone Shell	Misc
B	89	-	-	-	-	-	-	-
C	72	-	-	-	-	-	-	-

10.13

185

B	15	-	-	-	-	-	-	-
C	9	2	-	-	-	-	-	-

(21)

10.14

186

R	120	40	2	-	-	-	-	-
C	200	-	2	-	1	-	-	5 bag
O	34	-	1	3	2	-	-	-

62
34
24

354 10 5 3 3 - - 3

38
48
54
200

75
25

37
1,50
1,875

3,00 min

3,00
600
1600

work

Site		Study	Beads	Shell	Obsid. Bk	Obsid. Chip	Ground Stone	Bone	Dog
197	A1	Adobe - post modern							
	B	20	-	-	-	-	-	-	-
	C	355	-	7	-	-	-	-	1 bag
TOTAL		375	-	7	-	-	-	-	1

Site
#201

? Burial dis.?

514 FLAKE LEFT

D209 Bkd Obs Obs Obs Grnd Bone D:0

A/1 22 shards A/2 20 shards 1 bone A/3 13 shards

B 63 1 1 — — — — —

44 C 304 1 1 — 1 1 + —
14

367 2 2 — 1 1 — —

215

A/1 76 shards, 2 blades

B 300 — 5 1 — — — —

148 C 172 2 — — — — —
160

52 D 376 — 1 — 1 calt — —
376

42 908 5 2 — 1 calt — —
130

217 A/1 13 shards 1695 (20)
275 EB 72 121

37 B 37 — — — — — — —
61
376

C 36 — — — — — — —

5 th. 23 B west side

16 C North side

3 eastmost in line D

15 E, F, G, H, I, J 5 sides

E east } original pits

F west

G North

H SW corner Cattenpit

I between G + H

J south side

SW-3

120 Roll

6 111F/2-1 Metaphase, Top. Double exposed
7 " " Metaphase, Top
8 " " " Bottom
9 " " " Bottom
10 " " " Top
11 116A/10-1 Top Left 145B/3-1 Top Right
158A/12-1 Bottom Left 123F/1-1 Bottom Right
12 Tops, Metaphase
116A/10-1 145B/3-1 Bottoms, Metaphase
159B/2-1 123F/1-1

120 79-20-A

1 116A/10-2
159D/3-1 120F/6-2 Top, Metaphase
2 SAME, Bottom Metaphase
3 155H/1-1 159D/2-1
155G/2-2 Metaphase with
Legs, side views.
4 Same.
5, Same, Bottom
6 116D/2-1 123F/4-1 116D/2-1 Metaphase Top side
155H/1-2 111F/1-3 123F/4-1 Metaphase, Top
155H/1-2 Metaphase Top Side,
111F/1-3 Metaphase, Top side
7 116D/2-1 (Bottom) 123F/4-1 (Bottom)
155H/1-2 (Top) 111F/1-3 (Bottom)

8 135C/1-1 columnar Metaphase,
155G/2-1 116C/2-1 grinding surfaces up.

9 159E/2-2 MANOS, -116D/1-1 has
159C/1-1 116D/1-1 its grinding surfaces up

10 Same, opposite side
11 Same, Prem Hospital up.

12 158C/2-1 MANO Prep's.,
155B/2-1 158C/2-2 159F/1-1 Non-grinding surfaces
up.

35mm. #YASHICA is Backlight
79-20-B

5 Same, grinding surfaces up.

35mm. 79-20-B

209C/2-1

6 1166/1-1 100A/1-1 poss. mortar frags. and one log (1166/1-1); 1166/1-1-side, 209C/2-1 and 100A/1-1, bottom.

7 197B/1-1, mortar frag, Bottom.

8 " " " , Top

9 " " " , side.

10 145D/3-1

215D/1-1 123B/1-3 145G/1-1

stone hachas - 1 side

11. same, opposite side.

12 cobble frags

13 " "

14 "stone pendant"

15 " "

16 Bark Beaten

17 "

18 "

13 horsehoe 123572/5 flake

79-20-C

1, 3 - 3 whistle frags.

4,5 miniature vessel 116C/4-3

4,7 candelabra 111F/1-4

8-9 204A/1-1 weird thing

10 pendants? 116G/1-2; 145D/2-1

11 3 adzes

12 3 fig frogs

116B/1-2

116C/1-2

111F/1-2

13 Adobe 203A/1

14 Adobe basal 116B/3

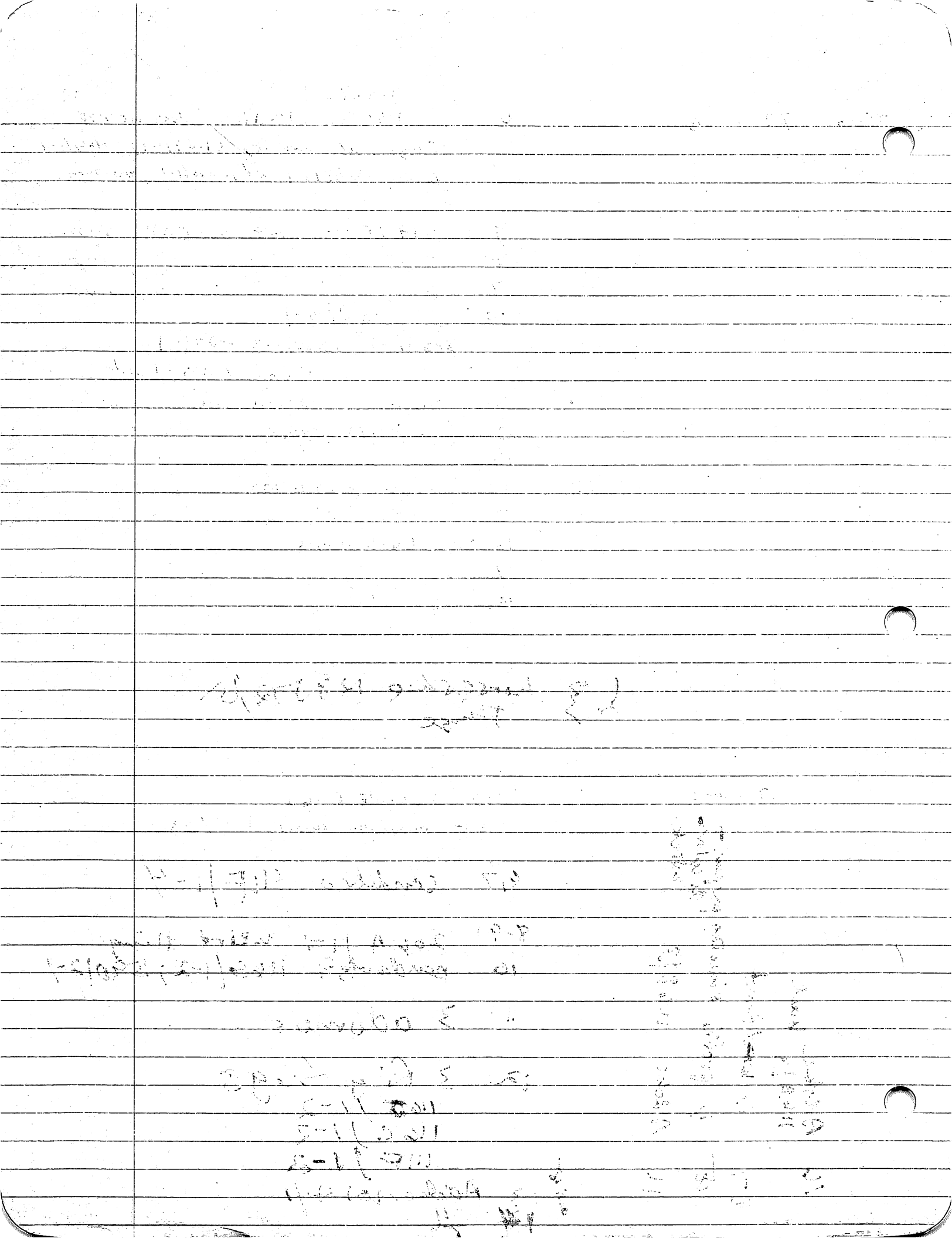
15 1, front

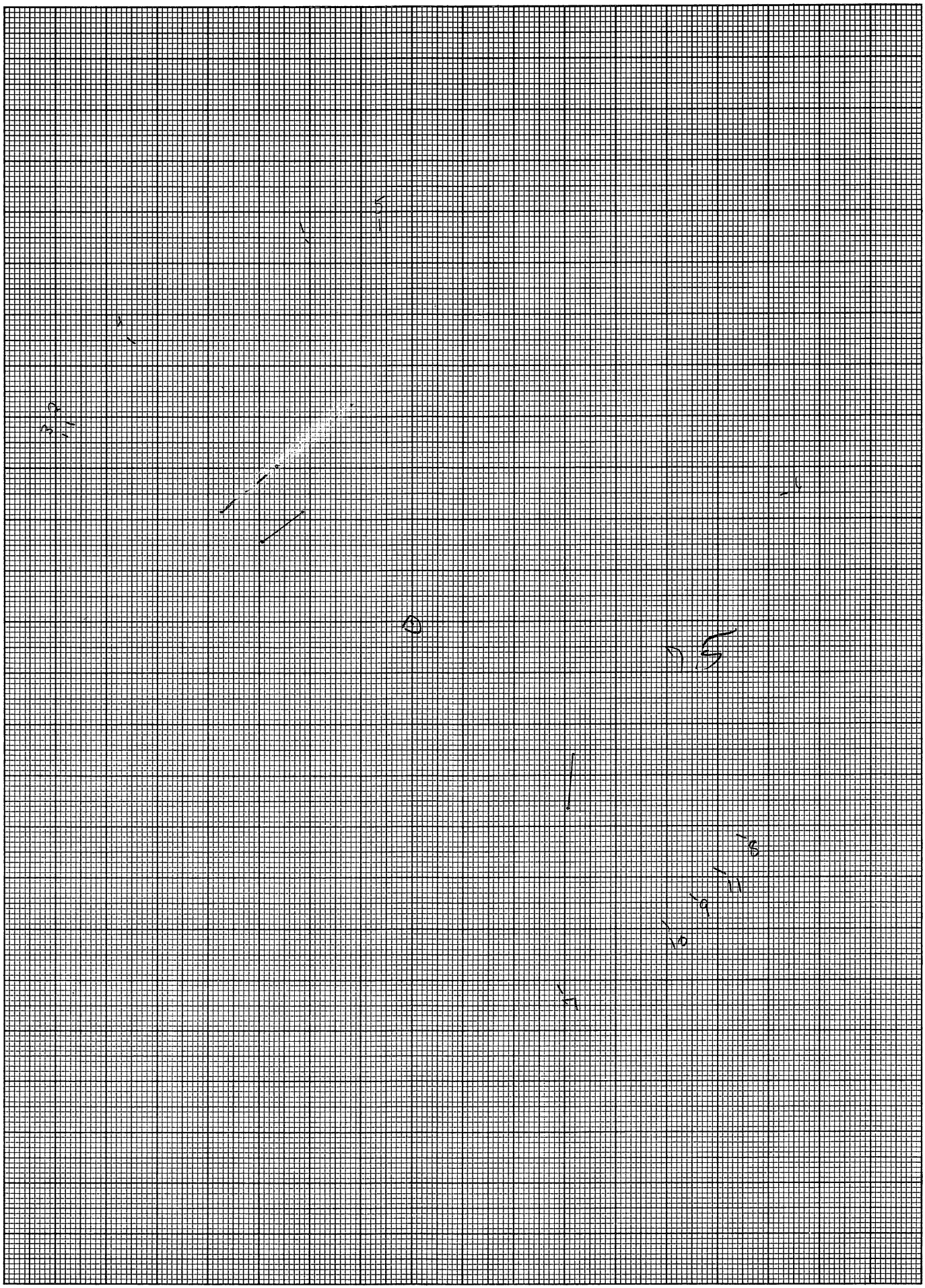
16 1, profile showing pendulum style

17 Adobe 116B/3

18 "

aug 16





D79-5-1 176 D + B

" " 2 177 B, C

3 145 D

4 145 E

5 111 F, 116, 204 B

6 111 H, 111 I, 111 J, 111 G

7 116 D, 116 C, 116 B

8 180 B, 209 B, 209 C

9 155 C, 155 B, 155 G, 155 F

10 123 Q, 123 V, 123 U

11 123 R, 123 T, 123 G/M.

12 123 F/B.

13 123 F, G, H, L, N, Q, M PLAN

14 159 E, D, 158 B.

15 123 J, K, Q PLAN

16 120 E, B, D, F.

17 110 E.

18 159 C, F, G PLAN

D79-5-19 110 D, E

D79-5-20 185 C, 215 D, 186 B, 217 B.

D79-5-21 111 J+K PLAN.

22 111 I+L "

23 111 C, D, G "

24 176 B, C, D, E, F PLAN

25 197, 117, 199, 200 MAPS

26 203 MAP.

27 196, 192, 194, 193 MAPS

28 209 B+C PLANS

29 145 B, C, D, E, F PLANS

30 120 C, D, G, I PLAN

31 177 B, C, D, E PLAN

32 116 E, F, G, H, I, J.

II. Definition of Terms

Site - Any locale with evidence of human activity; in practical terms, surface evidence of occupation must be separated by more than 150 m to be divided into individual sites, otherwise such material is combined into one site.

Locus - Used interchangeably with site (see above).

Settlement - A locale with evidence of human habitation in the form of extant structures. In the Naco valley virtually all sites are settlements. The exceptions are 1 terrace wall (on the north side of Jutiapa hill) and several sherd concentrations/scatters; these latter concentrations, however, are probably the remains of destroyed mound groupings as they are usually composed of sherds, obsidian and large numbers of rocks.

Network - Geographically," a set of geographic locations interconnected in a system by a number of routes"(Kansky 1963:1). In Webster's New Collegiate Dictionary, however, a slightly more general definition is given, "an interconnected or interrelated chain, group or system". As used here, the definition of 'network' will be closer to that proposed in the geographic literature, though the existence of 'routes' will, perforce, have to be assumed between sites.

Settlement System - Used to refer to a network of sites occupied during a given period of time, and usually implying that at least some of the rules governing the origins, growth and development of the network are known. In keeping with the above distinction between sites and settlements this should, perhaps, be termed a'site system'. As such a terminology would conflict with current usage, however, 'settlement system' is retained here.

IV ~~Site~~ Data Summary

The material summarized below, both verbally and on the charts, is with one exception data under my control. The exception is site number 112 excavated by John S. Henderson in 1975. In the survey area, which does not include the site areas of La Sierra and Naco, there are 121 sites. As discussed above, the overwhelming majority of these can be considered 'settlements'.

Chart 1 summarizes survey data on both excavated and non-excavated sites. Column 1 lists the sites by site number while column 2 indicates the condition of the site at its last visit - either not visibly disturbed (OK), partially destroyed (ptD), destroyed (D) or ? indicating that the site is in heavy vegetation ("monte") and is only partially visible, or known only to reliable informants. The year of the last visit is also recorded. Column 4 gives the number of visible structures at each site, and column 5 presents the surface collections - 'yes' for present, 'no' for absent, followed by the number of sherds and stone artifacts for those lots which have been readout. Of the 121 recorded sites, 79 have been mapped with either a Brunton and tape or transit; the remainder have been recorded by sketch maps. ~~noted in such a fashion that sketch maps may be drawn for virtually all of them.~~ Moreover, of the 41 sites which have only been noted, 32 have 3 or fewer mounds. 39 of the unexcavated sites have provided surface collections, many of which are ample enough to give some indication of a site's span of occupation.

The second chart comprises sites which have been excavated. In addition to the 19 sites which I excavated, there are three other excavated sites in the survey universe: Site number 112, excavated

by John S. Henderson and the Cornell University Field School in 1975; and sites numbers 100 and 101, excavated by Strong, Kidder and Paul in 1936.

The sites are identified by number in column 1; column 2 states the total number of structures at the site; column 3 shows the total number of structures tested; while column 4 indicates the nature of the structural excavations. The information in column 4 is coded as "full" for complete terminal plan, e.g. three corners or all sides revealed in excavations; "pt. plan" for partial plan which indicates excavation for several sides or corners but insufficent work to fully reconstruct the basal terminal plan and dimensions; "axial" for a cut through the center of the structure designed to reveal two opposite sides of the structure and the nature of any internal construction.

The remaining 5 columns encapsulate data concerning the contexts of the finds. These designations are "middens" for extensive or deep trash deposits, usually contiaing more than sherds, e.g. organic remains, and perhaps not directly related to structures; "fill" for lots sealed within a mound's construction; "terminal debris", designating deposits associated with structures and which we have interpreted as the remains of a structure's final occupation; "not assessed", referring to deposits the nature of which must be subjected to further study; and "other" comprising lots which do not fit the three specific categories, but which are clearly interpretable at this time, such as material sealed beneath constructions which may or may not be primary In each category the number of lots is given as well as totals of sherds as well as lithic materials, both chipped and ground combined

may serve? Are may be primary context?

In Chart 2 we can see that 57 of the valley's 1013 known structures within the survey universe were tested by excavations in 1977 and 1979; Stong, Kidder and Paul's material would add 3 more structures to this total. In all, c. 5.6% of the valley structures have been investigated in this way.

Insert Table Sampling

Let us now turn to the constraints which shaped the acquisition of the data summarized above, beginning with the survey program. The initial motivation behind the survey was to relocate the sites found by Strong, Kidder and Paul in 1936 and then to explore the possibility that the valley was much richer in prehistoric remains than anyone had heretofore expected. After two brief seasons in 1975 and 1977 it was obvious that the valley was fairly heavily settled in the sense of absolute remains regardless of time period. The motivation behind the 1978 and 1979 survey activity was simply to find and record as many of the extant sites as possible. In short, the basic reason behind the survey was sheer curiosity about the extent and duration of settlement in the Naco valley, though this empirical interest was also leavened with theoretical concerns. This latter element was in the form of a conviction that archaeologists working in the Southeast Maya Periphery had largely devoted themselves to major sites, i.e. those with large, conspicuous structures producing elaborately decorated pottery; and that this bias was seriously distorting our knowledge of this area. In addition, while such work has certainly resulted in valuable contributions, it did not increase our ability to answer questions about non-elite occupation and inter-regional interraction. By initiating a survey which was designed to locate and record sites of all sizes and

levels of complexity, it was hoped that this traditional bias might be avoided and a more complete picture obtained.

The survey area as originally defined in 1975 comprised 118 km^2. This took in all the flat land as well as small portions of the surrounding mountains. Informants reports, however, indicated that with rare exceptions there were no settlements in the mountainous regions; as this was borne out by preliminary foot surveys, some 22.5 km^2 of the mountainous valley margins were dropped from the survey. This area roughly corresponds to terrain above the 200 m contour. It was also found that the area through which the Rio Chamelecon meanders, approximately 6 km^2 lying below the 100 m contour, was devoid of settlement, prehistoric or modern. This seems due to the activity of the river, which has had three major course changes within the 40 years for which I have informants' reports, and which even today does not correspond to the course charted on the available maps.

The habitable area of the valley, then, equals c. 86.5 km^2. Of this, 2 areas are outside the jurisdiction of the survey: first is a zone of about 3 km^2 around the town of Naco; and second is a c. 2.5 km^2 area designated by J.S. Henderson, the contract holder for the valley, as the site of La Sierra. Therefore, the effective survey area is approximately 88 km^2, including the Chamelecon meander area, much of which was examined, or c. 81.5km^2 of habitable area.

A basic distinction in the valley is between the land east of the Rio Chamelecon, some 22 km^2, and the 46 km^2 west of the river (using the 88 km^2 figure given above). There are no bridges crossing the Chamelecon, which is a swift flowing and fairly wide stream.

During the dry season a large truck or high-bottomed 4-wheel drive vehicle may cross at one of the 3 fords; during the wet season, 8 to 9 months of the year, it is virtually impossible to cross anywhere in any sort of vehicle. This situation has acted to restrict modern settlement on the east side, where the two existing villages are smaller than any one of the 4 recognized towns on the west side. Both agriculture and settlement are further restricted by a lack of water. on this side

This lack of water has also been a damper on agriculture and modern settlement on the west side of the valley. A further limitation on the expansion of the west side towns is the lack of available land: the vast bulk of land is held by large land owners who control its use and exploit available water for their own projects.

Land usage has been an important factor for the survey, both in terms of preservation and access. Until recently, most land in the valley was devoted to cattle pasture or milpa agriculture; or was unused and covered in vegetation ranging from heavy scrub to forest. Today cattle ranching still heads the list of agricultural pursuits. Milpa is, of course, important, but its actual extent is difficult to assess and varies from year to year. More clearly discernible are commercial uses. Approximately 3.25 km^2 on the west side and 1.5 km^2 on the east are devoted to tobacco, with most of the west side cultivation lying within the defined Naco area. An additional 0.25 km^2 on the west and 1.5 km^2 on the east sides of the Chamelecon are in sugar cane, and another 14.5 km^2 and 1.0 km^2 on the west and east sides respectively have been "improved" by the owners for cattle pasturage. This latter activity generally entails mechanized

plowing to turn over the ground prepatory to planting new grass, usually a dense form known locally as "estrella" grass. These improved fields have usually been plowed and bulldozed several times at least. Two other commercial activities have gained some importance on the west side of the valley: an area of at least 0.25 km^2 is devoted to the production of tropical plants for export; and between 0.25 and 0.50 km^2 is covered by two saw mills. There are also scattered sheds for the raising of chickens and pigs for city markets and one cigar factory the buildings of which cover c. 0.25 km^2. There are two other important land usages which have affected the preservation of sites. About 14.5 km^2 (west side) and 5 km^2 (east side) are overgrown in dense vegetation ranging from plots abandoned for several years after farming to dense forest and thorn scrub. Of this, an estimated 4-5 km^2 on the west side is impenetrable. Finally, since early 1978 a military reserve has been in the process of construction. The actual preserve is c. 2 km^2, but the armed forces also control an access road into the mountains and effectively limit non-military activity on 1-2 km^2 around the road.

The affects of land use on the survey lie primarily in the realm of site preservation and recovery. Any land devoted to tobacco or sugar cane is first bulldozed and then repeatedly plowed, so that few traces of sites remain. In addition, it is not possible to walk the cane fields because of the closely spaced rows so that any remains in these areas such as sherd scatters are unrecorded. In a similar way, the activities of the flower growers, the military, chicken and pig growers, and the tobacco processors have resulted in at least the obscuring of prehistoric remains. There are, therefore,

at least 5.75 km^2 on the west and 3.0 km^2 on the east in which prehistoric remains have been completely destroyed. In another 14.5 km^2 on the west and 1.0 km^2 on the east, sites in improved pastures have been heavily damaged, while in several of these fields, especially those planted in estrella grass, sites have been completely destroyed. It is still possible, however, to find sherd and cobble scatters in these areas, even in fields of estrella grass, so all traces have not been lost. The prevalence of dense vegetation has also been a limiting factor, for even in the dry season 4 to 5 km^2 remain virtually impenetrable and when examined yield almost nothing due to reduced visibility. It was found in 1978, however, that the less densely vegetated areas could be surveyed to advantage during the brief period at the end of the dry season and the beginning of the wet. There are, therefore, approximately 29 km^2 on the west and 6 km^2 on the east of the Chamelecon in which, due to vegetation or plowing, the survey was limited in its ability to retrieve site data.

There are a number of other practical matters which influenced the extent and thoroughness of the survey. First, there are c. 2 km^2 on the east for which we did not receive permission to enter. Also on the east, the 1.0 km^2 of tobacco was not investigated, largely due to time limitations: it was felt that, after seeing the effects of tobacco cultivation elsewhere, the endeavour would be more costly in time than it was worth and the effort could be better expended on other work. The relative lack of accessibility combined with a lack of funds, generally hampered operations on the east side of the Rio Chamelecon. During 1978 we were, however, able to hire a suitable 4-wheel drive vehicle for one week, but as finances did not permit

renting any other vehicle to reach the more remote portions of the western portion of the valley, the full 7 days could not be devoted to the east side alone. The absence of roads on both sides also limited mobility, and as a result of this and the lack of funds for a survey vehicle, most of the valley was covered on foot.

The 121 sites located in the 81 km^2 of habitable land are as close to a 100% sample of the extant remains as time, ground cover, logistics and preservation would permit. There is an average of 1.4 sites per km^2 and it is estimated that no more than 10 loci, and more probably 5-7, were missed. In support of this contention, consider the estimate made before the 1979 season. At that time the amount of land still to be checked on foot was figured and a projection of the number of sites still to be found thereon was made. This projection had a range of from 15 to 30, with the most probable number being 23. The 1979 survey turned up 26 sites, only three more than the estimate. Furthermore, it is unlikely that more than a handful of sites - c. 10 - have been totally lost since bulldozers, mechanized plowing and commercial ventures such as chicken farming are of recent introduction.

Turning to the excavations, ~~we see that~~ the sample probed in 1979, 19 sites in all, comprises 15.7% of the known sites, excluding the defined Naco and La Sierra areas. If the Strong, Kidder and Paul probings and Henderson's 1975 test pits at site number 112 are included, the total rises to 21 sites, or 17.3%. The discussion below, however, will cover only those investigations carried out by Urban.

The current sampling literature, while extensive, is concerned primarily with survey strategies (Mueller 1975) and, to a lesser

extent, with the problem of sampling within a given site (cf. Morris 1975). Little attention seems to have been paid to the problem of selecting a group of sites for excavation from a larger universe, and there was, thus, little precedent to guide the selection process. My original intention was to stratify the sites using a number of criteria in combination and then to randomly select 15% of the sites from each strata for testing. The 15% fraction was selected on the basis of readings on survey fractions and geographic data collection (Haggett 1965). In the absence of other guidlines, the 15 % fraction remained as a goal; but the probabilistic method of choosing the sites was abandoned in favor of a judgemental approach. This occurred for several reasons. The first was practical: given limited resources and the ongoing destruction of sites, it was deemed a better use of scarce resources to concentrate on those sites which had a high potential for productivity because they remained undisturbed. A second reason is that the number of different strata thought necessary, combined with the relatively small size of the universe began to verge on a sort of "methodological overkill", as one friend commented. The sites were, therefore, selected on the basis of a set of questions to be answered - more or less a set of hypotheses - to be discussed below.

Before turning to these governing questions mention should be made of the pragmatic constraints. As alluded to above, the major constraint was money: the budgeted amount for the 1979 work, excluding airfare, was less than $3,000.00. This necessarily limited the number of workmen who could be employed and the length of their employment. The total stay in Honduras was also restricted, although

we were fortunate to have found inexpensive lodgings and a relatively inexpensive truck to rent, the costs of both of which were shared by A. Wonderly who was working at Naco at the same time. The savings on housing enabled us to increase our workforce from the 8 men for 6 weeks originally budgeted to 10 and later to 12 men for a total of 8 weeks, thereby increasing the amount of time devoted to excavation.

The financial limitation on transport meant that access to certain parts of the valley was restricted, notably the part east of the Chamelecon. While we did hire a 4-wheel drive vehicle for one week, it was old and unreliable; the rains also arrived unexpectedly early in May making the river crossing hazardous. The east side excavations were therefore limited to one site, although 2 should have been done according to the 15% rule.

Another important factor is the rapid destruction of sites. Between late May 1978 and early April 1979 at least 10 sites were plowed to the extent that excavation would have been fruitless. This group contained 3 sites which we had initially chosen in Philadelphia, and the sampling plan was therefore subject to considerable revision. There was also difficulty from time to time with land owners. Most of these problems were resolved quickly, engendering only short perturbations in the schedule. One owner, however, refused to allow us on his land without an order from the Minister of Education which could not be obtained in time. As a result his 2 very interesting sites could not be investigated.

The theoretical constraints are framed in terms of a series of questions about settlement; queries which I attempted to answer through excavation. They are, in a sense, hypotheses closed in a

different phraseology. I prefer to use the "question" format because that is how they were originally developed and used.

The first two queries relate to the valley's minor drainages, of which there are 6. Settlement does not appear to be evenly distributed among these systems, nor is it evenly distributed along any individual system. An obvious reason is that the streams do not have equivalent flows, which can be seen today and confirmed for the recent past by informants. Some of the areas, however, with the heaviest prehistoric occupation are now completely dry, so that it seems incorrect to project present-day conditions too far into the past. The first question that arose, then, is whether or not there was differential usage of drainage systems in prehistoric times. This motivated my effort to test at least 1 site along each of the drainages, and more whenever possible.

That settlement varied in intensity along the drainages has been mentioned. This variation largely consists of clusterings of small sites - small in both numbers of structures and structure size - on the smaller branches of several drainages, especially along the western foothills. More centrally located sites, those on the valley flats, often had greater concentrations of structures of larger sizes. These differences led to a series of questions which can be subsumed under a simple one: how do the sites on the small fingers of the drainage systems differ from those on the main branches? Broken down, this question yields these aspects: is there a temporal variation - say hill-flank small sites earlier than the larger ones on the flats; or do the larger sites have greater time depth than the smaller, that is, are they the results of accretions on smaller

originals?

These queries led to others relating to the nucleated-dispersed dichotomy, and the possibility of discerning functional differentiation. First, within the category of small sites there are many with low mounds grouped in clusters of 2-6, with occasional isolated single mounds. These clusters and singles are themselves clustered, with separations of a few to 100 m among or between them. Are, then, all of the clusters within a given site contemporaneous or are we seeing the results of a household, say, shifting its location through time? Were the groups, perhaps, functionally differentiated, with kitchen, workshop and sleeping groups? Can we detect functional differences between the dispersed sites and the more nucleated ones: are the nucleated sites elite-residential areas or even administrative centers, while the dispersed sites represent "rural" habitations? Finally, within the larger sites, are there discernible differences among the mounds, with larger ones perhaps being public-oriented while the smaller ones were domestic?

Another approach, related to water usage concerns soils. Various soil types have been reported in the valley both by agronomists and local informants. Some of these soils are considered productive for agriculture while others are not. Is the prehistoric distribution of sites related to the currently perceived soil zones? Also related to this is the possibility that at some point resources may have been over-extended, a possibility which is suggested by terraces and structures on a high hill in the south-central part of the valley. Sites were also chosen to examine this question.

Implicit in many of the above questions is the matter of chronology. Despite two years of test-pitting by the Cornell University

SITE #	CONDITION	MAP	# STRUCTURES	SURFACE COLLS	
				shards	stone

6

148
25
173

125
198

25
223

128
57
157
136
19
497

9 62 2

Project, no clear sequence had emerged. The two well known ceramic assemblages were equivalent in date to the Late Classic and the Terminal Postclassic. Anything else was largely unknown, although hints of material as early as the Late Preclassic existed. Excavations at the sites selected, therefore, had to be dug with the purpose in mind of constructing a basic temporal framework.

The sites chosen with these questions in mind were located along every drainage system? in the valley. They were picked to represent every site size from structureless sherd scatters to large sites, e.g. 39 structures (the largest survey site has 43 structures). Loci also were drawn to enable investigation of dispersed and nucleated sites. Finally, because of the interest in chronology, and due to the fact that most small sites appeared to have only one temporal component, the larger, more nucleated sites which were presumed to have been occuppied for longer periods, were represented in a slightly disproportionate fashion. Many of these points can be seen in charts 1 and 2, combined with the valley map (Fig. 1 ~~provided in Urban 1979~~) although the map does not include loci recorded in 1979.

The major topic addressed by the excavations themselves is chronology. Stratified deposits of some depth were sought, such as middens; most excavations, however, were centered in and around structures. The types of deposits of major interest were primary deposits, such as burials, sealed material, and material smashed on floors. Fill lots and evidence of sequent construction were also sought ~~for~~ in order to roughly date and determine the length of occupation of a site. In addition, effort was made to link terminal occupation debris to structures, usually in the form of structure wall

lines, but sometimes to constructed surfaces around a structure or structural connectors.

Other topics examined through excavation were architecture, both the morphology of the individual structures and groups of structures, construction techniques and possible functional differences among structures. None of these goals was as important as the chronological considerations.

The actual excavation strategy consisted of investigating 2 or more structures per site, with several exceptions: 9+ sites with one or no mounds, and one site of 5 structures which was in poor condition, but which was examined because it was one of the few Middle to Late Postclassic sites encountered outside of Naco proper. 2 structures not probed. At those sites in which 2 or more structures were tested, 2 approaches were used. The first was test trenching: beginning at least 0.5 m away from the visible rise of the structure, a trench placed axially was opened and excavated below ground surface until sterile soil or a preserved surface was reached; after this the trench was extended to meet the structure wall; finally the wall was cut and the excavation continued into the heart of the structure. The second major approach was essentially the same but the structure was not cut; rather basal walls were exposed and a greater or lesser extent of the structure was cleared for plan. Middens were excavated in both natural and artificial levels.

Deferring again to chart 2, we see that 57 structures were tested, 5.6% of the intact structures in the survey universe. No definite primary deposits were found. Two clear middens were located and dug providing long stratigraphic sequences and a host of ceramic, bone, shell and stone materials. Several other large, but temporally

limited trash deposits were found. Returning to structural excavations, 9 structures were dug for complete terminal basal plan and the plans on 2 others are virtually complete. Twelve of the test trenches were extended to make complete axial cuts. Other smaller axial trenches, combined with the more limited pits have provided at least a width determination for 24 structures.

VI ~~III~~. Data Adequacy

The adequacy of the survey data can be seen in its comparison with other surveys in this region. Outside of the Copan Valley, no survey in Honduras has yet attempted to document the complete range of settlement in a region. Previous work, such as Stone's surveys of north and central Honduras (1941, 1957), concentrated on large, highly visible sites, many of which were inadequately mapped if mapped at all. Smaller sites were, by and large, neglected. In several areas of Honduras survey projects are being initiated, but these are far from complete. Moreover, the thoroughness of mapping in the Naco Valley seems to be greater than that attained by these other projects. In short, in terms of site location, the range of sites recorded, and the number of sites mapped, the proposed dissertation will present one of the most complete bodies of survey data available for the Southeast Maya Periphery.

The excavations produced sufficent ceramic materials to complete a ceramic sequence running from the Late Preclassic to the Terminal Postclassic. The ceramics also provide evidence for contacts with other areas of Honduras and parts of Guatemala during several time periods. The excavated materials are, moreover, sufficent to date all 19 tested sites. In addition, sufficent surface materials exist from 25-30 additional? sites to give some idea of their range of occupation. Information obtained on architecture and site morphology from the dated sites will also be helpful in providing some indication of time period for those sites for which we have neither surface collections nor excavated samples.

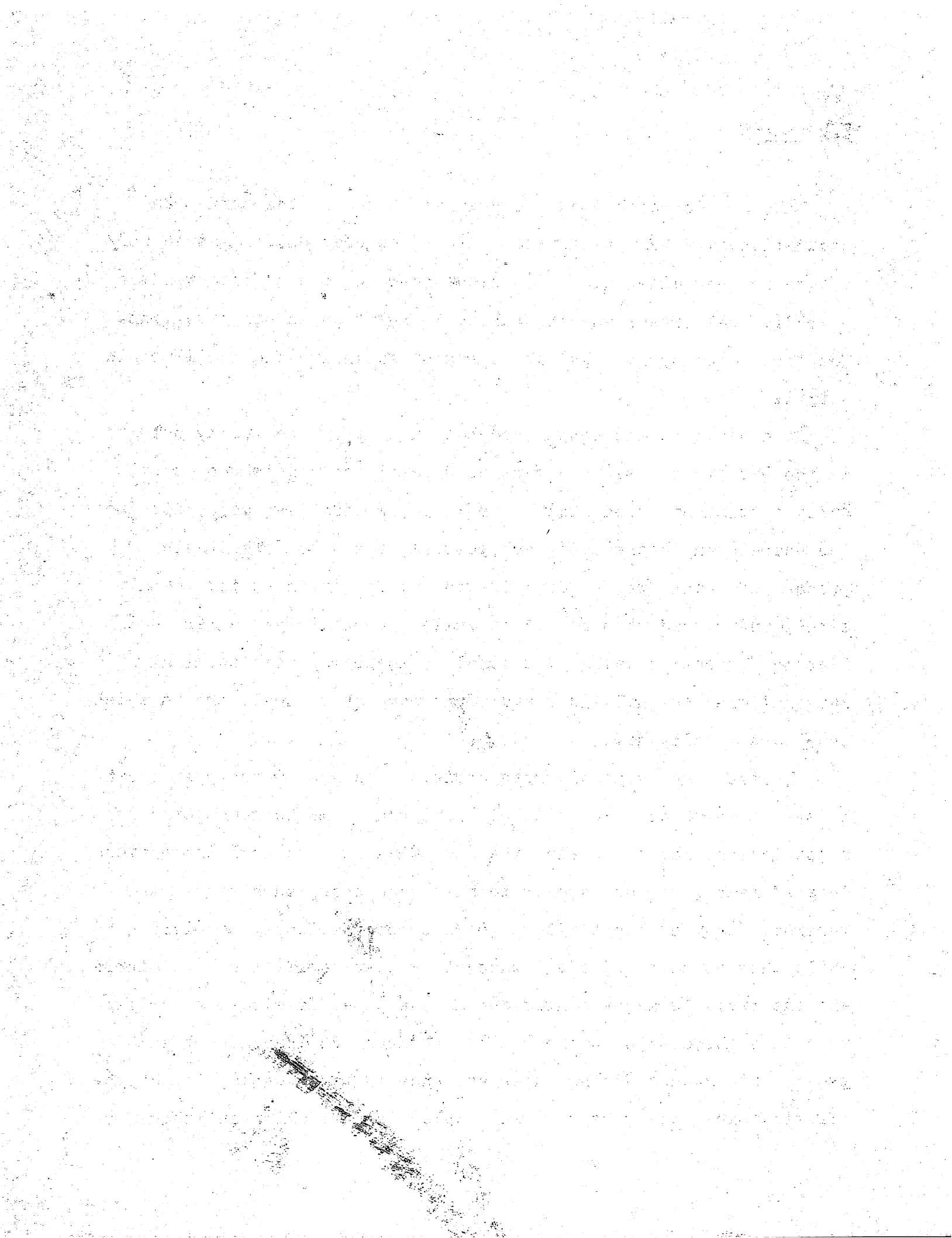
With respect to the three sites excavated by other individuals in previous years, site number 112, excavated by Henderson, was investigated by two test pits in 1975. Some of this material is still available for analysis at Cornell University, and much of it was recorded by drawings and photographs. Material from the two sites dug by Strong, Kidder and Paul in 1936 (numbers 100 and 101) ~~are~~ is still available for analysis at the Peabody Museum, Harvard University, though a sizeable part of these sherd collections seem to have been lost over the years. Site number 101 still shows the marks of these early test trenches, ~~though~~ but number 100 is located closer to the Rio Chamelecon and, hence, much of the excavated area has been washed away. In short, there is sufficent material from these three sites to date them, though the information is limited for other purposes, e.g. analysis of architecture and so forth.

III. Theses

The theses which I have developed, based on the survey and excavation data, can be divided into three classes: (growth and) change in the valley-wide settlement network; the characteristics of individual sites; and the valley in relation to other regions. The first category is, by far, the most extensive and I will begin with it.

The earliest documented occupation in the Naco Valley occurred in the Late Preclassic, and (with interruption) continued until the Spanish Conquest. Early settlements seem limited to what are today the major streams: the Chamelecon, Machaguala, and possibly the Naco. The basic process of change was gradual growth and accretion at individual sites, and (the) spread (of small settlements) throughout the valley, so that by the Terminal Classic the entire valley was ~~settled~~ (inhabited), including some seemingly marginal areas on hillsides and along some quite small creeks which today are totally dry.

Several less gradual, more striking changes in the system can be specified. The major site of La Sierra seems to have acted as a population "magnet" during the Late Classic: several large sites located near it do not appear to have been occupied during the Terminal Classic, the period of maximum occupation at La Sierra, while they do have ample evidence of earlier habitation. La Sierra was the region's major center during the Late Classic, but earlier than this the site of Santo Domingo (number 123) may have been preeminent. Santo Doming shows evidence of Late Preclassic, Proto-classic, Early and possibly Middle Classic habitation and shows much



of the development of local ceramics in its deposits. The structures are larger than the La Sierra constructions though much fewer in number. The debris associated with the structures is not the typical Late Classic assemblage although some Late Classic materials come from the surrounding plowed fields. The excavated La Sierra materials seem to commence with the local Middle Classic assemblage and extend to the Terminal Classic. In addition, the east side of the valley seems to have had its own Late Classic center, El Kal (number 163), an extensive site despite recent plowing damage. La Sierra seems to also have some carryover into the Early Postclassic, at least in part of the site. Fortunately, the Classic/Postclassic tradition can be seen at a number of valley sites and nowhere is it abrupt or marked by any discontinuity in population. There seems, therefore, to have been no major "collapse" at the end of the Classic as was the case with the lowland Maya sites in Guatemala and Mexico. Rather, a major shift in settlement location, morphology, construction techniques and in the artifact assemblage occurred in the Middle-Late Postclassic. At this time there was an apparent and quite considerable diminution of settlement throughout the valley.

Concerning the characteristics and possible functions of individual sites, several statements can be made, but the central one is that it is possible to distinguish between elite and non-elite settlements. In the excavated sample, those sites with high mounds - those over 1.0-1.25 m in visible height - also had a great range of local pottery types along with sherds of obvious non-local origins. Sites with lower structures had a narrower range of local ceramics as well as few to no sherds of imported wares. The number of structures

Your thesis here seems to be that elite status is marked by imported ceramics, plus larger (?) more elaborate (?) architecture?

at a site does not seem to be significant: 2 sites which had large numbers of structures (more than 25), though most were low, showed the narrow range of artifacts while one small site (16 structures) with at least 5 structures over 1.0 m, had a wide range of local and non-local materials. These findings enable us to identify elite and non-elite centers throughout the valley. Moreover, those sites with both large numbers of structures and large proportions of high constructions are the sites with the two greatest time spans.

Turning to the Naco Valley's relations with other areas, several points can be made. First, the valley appears to have been a part of a pan-Mesoamerican Preclassic pattern, at least in ceramics. Second, although the Classic was a time of regionalization, contacts with other areas of the Southeast Maya Periphery existed and can be seen in the pottery and the use of obsidian. In the Postclassic, the ties are less clear in the artifactual evidence, with the exception of obsidian. Ethnohistorical materials do support the valley's place as an important node in a wide-ranging trade network, at least by the end of the Postclassic.

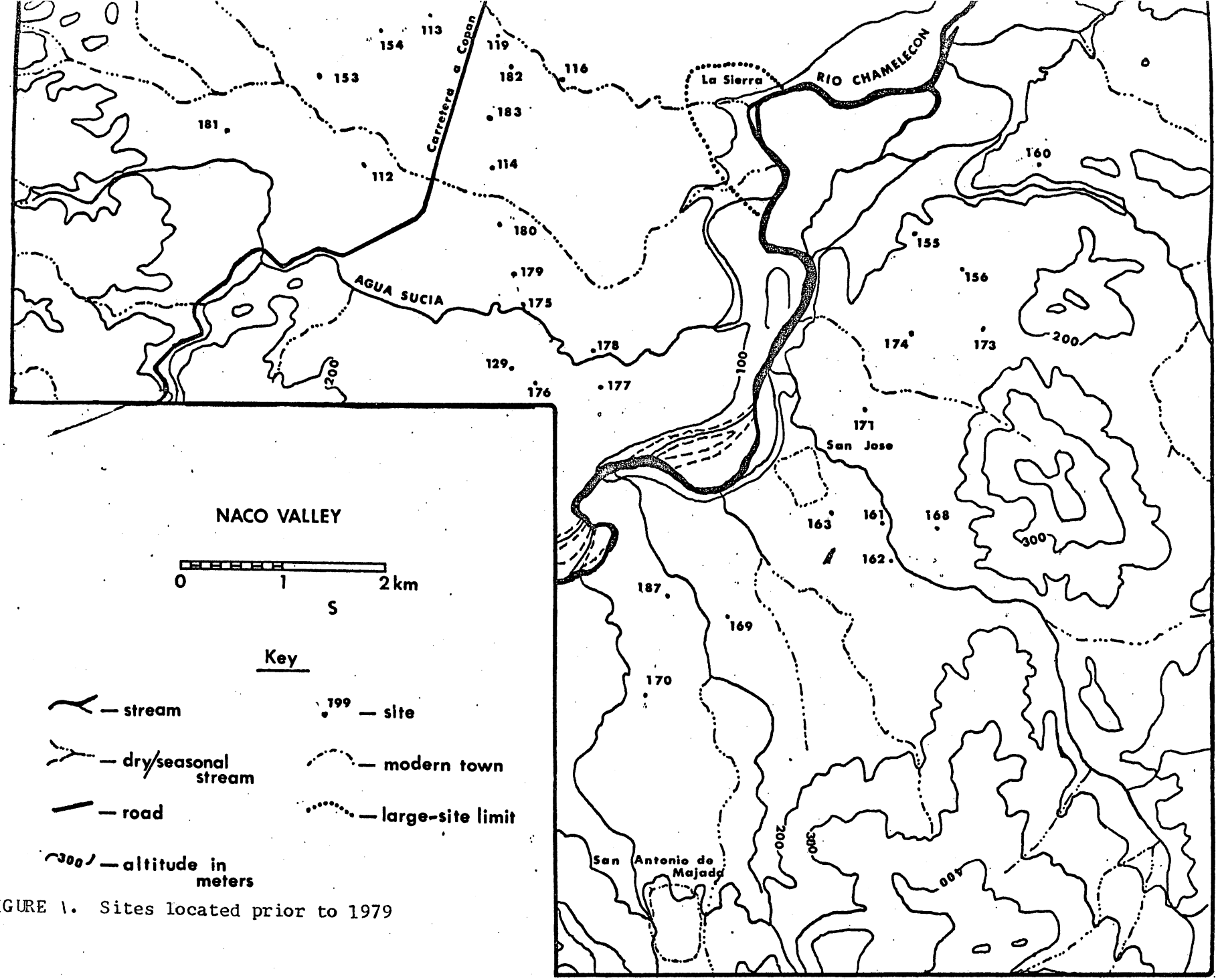


FIGURE 1. Sites located prior to 1979

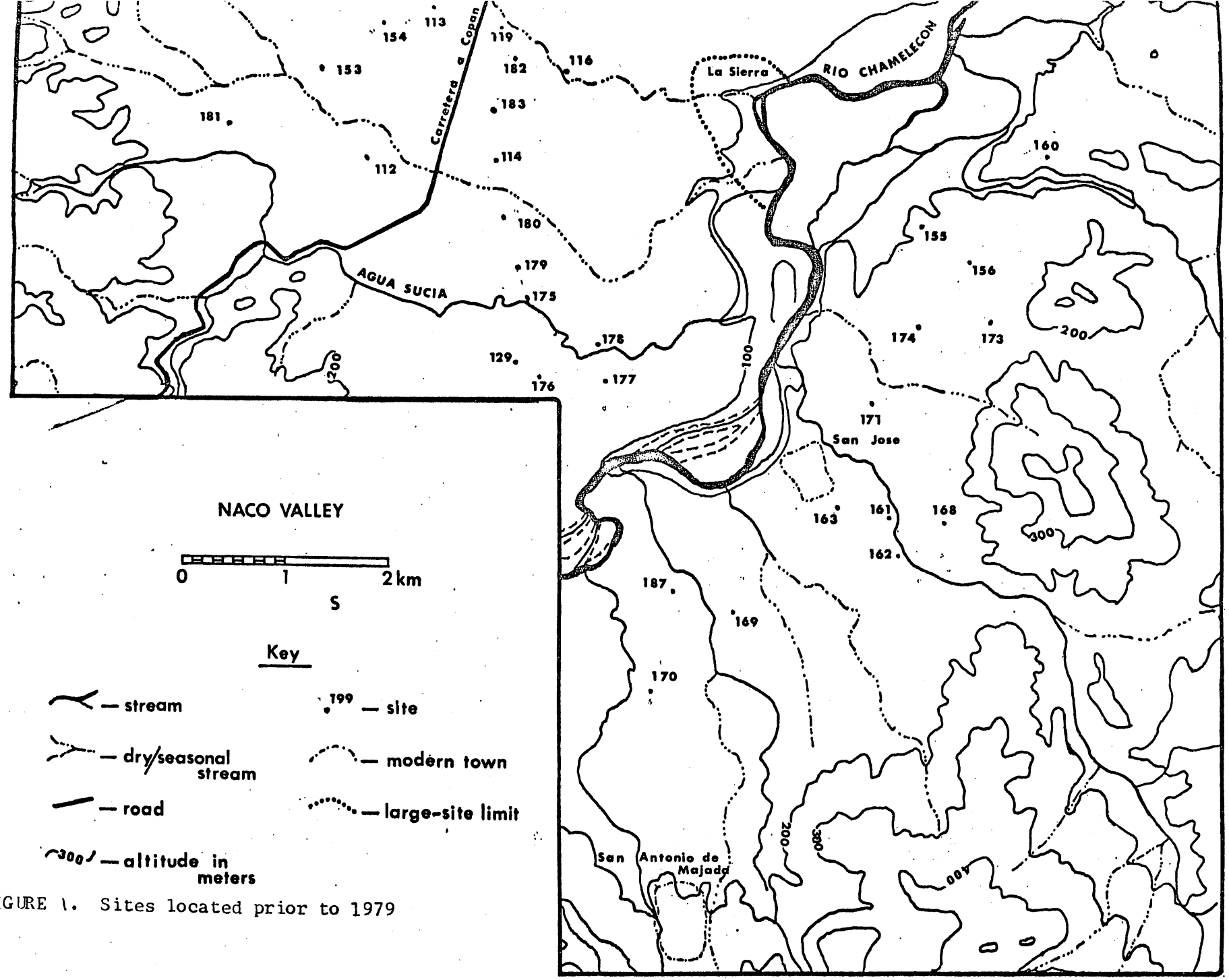


FIGURE 1. Sites located prior to 1979

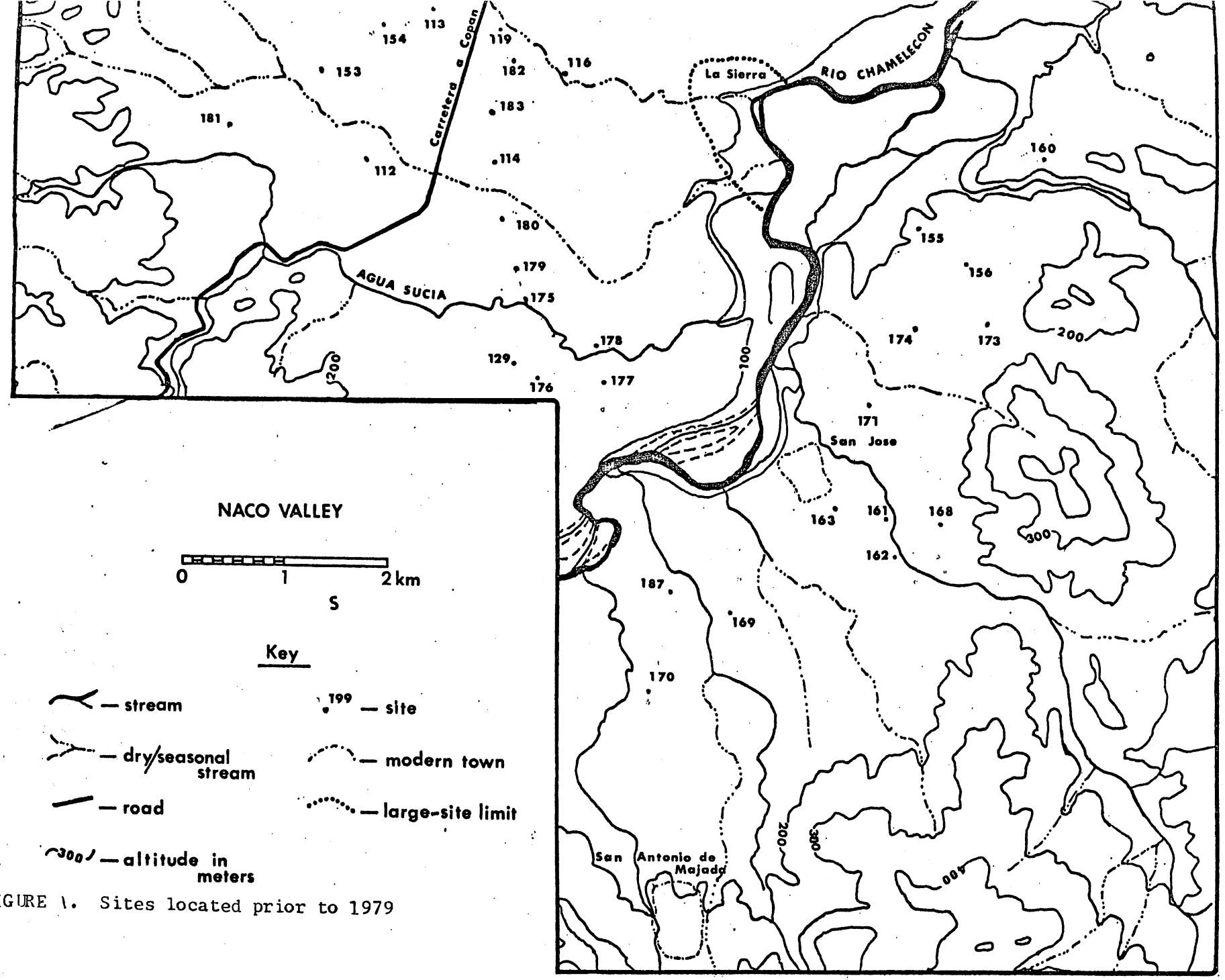
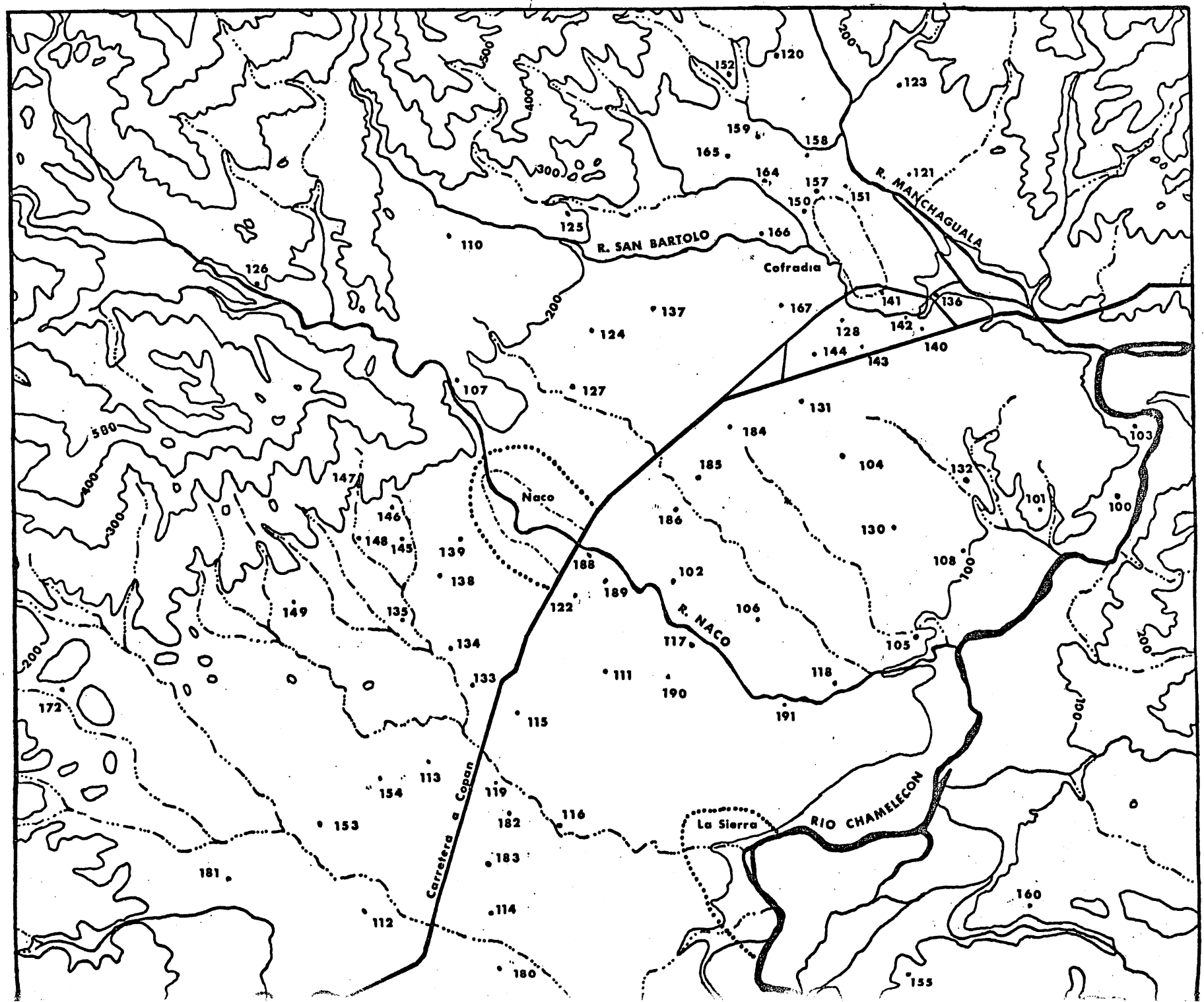
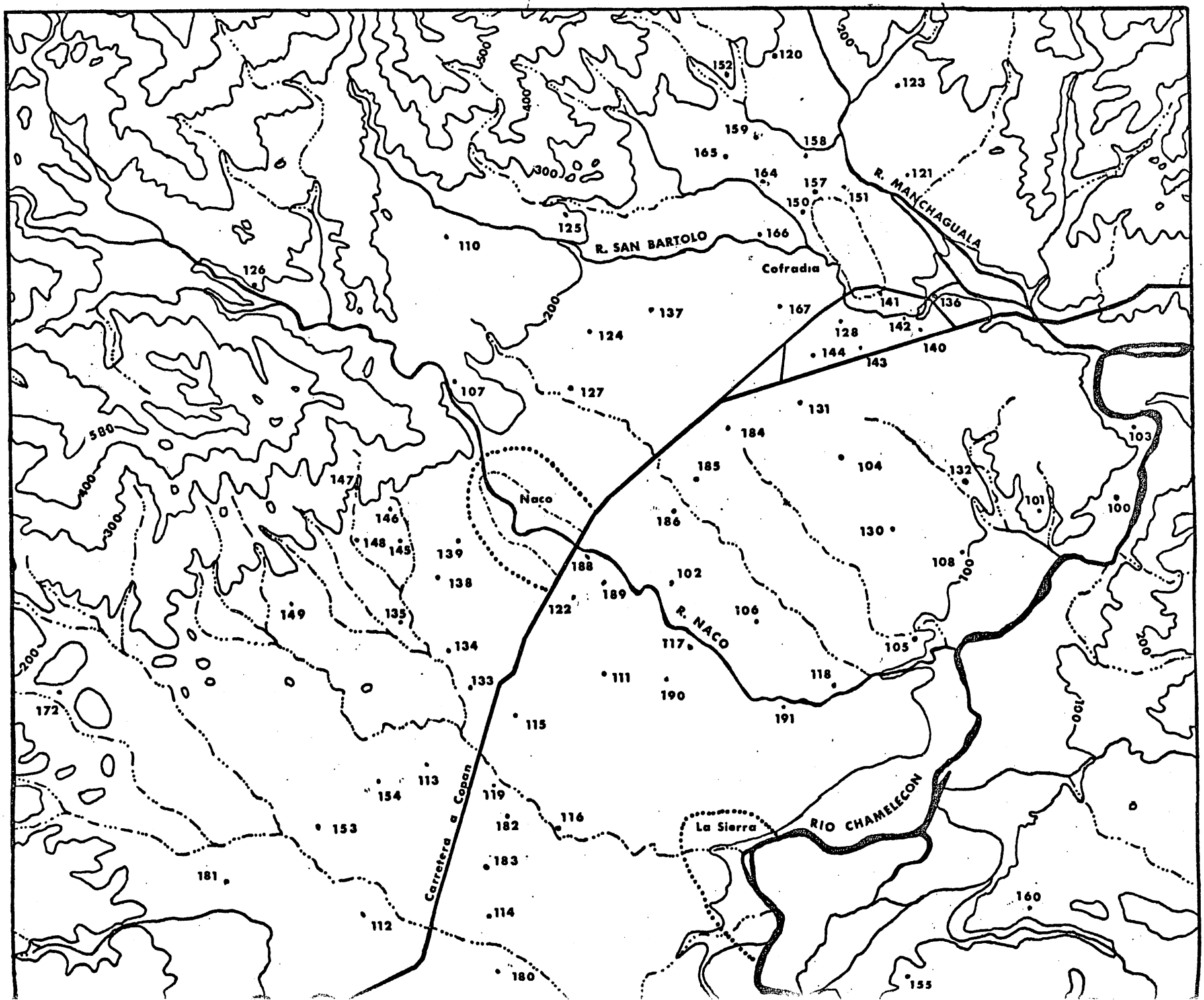


FIGURE 1. Sites located prior to 1979


R. SAN BARTOLO
Cofradia
R. MANCHAGUALA
Naco
R. NACO
Carretera a Copan
La Sierra
RIO CHAMELECON


R. SAN BARTOLO
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Naco
R. NACO
Carretera a Copan
La Sierra
RIO CHAMELECON
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100
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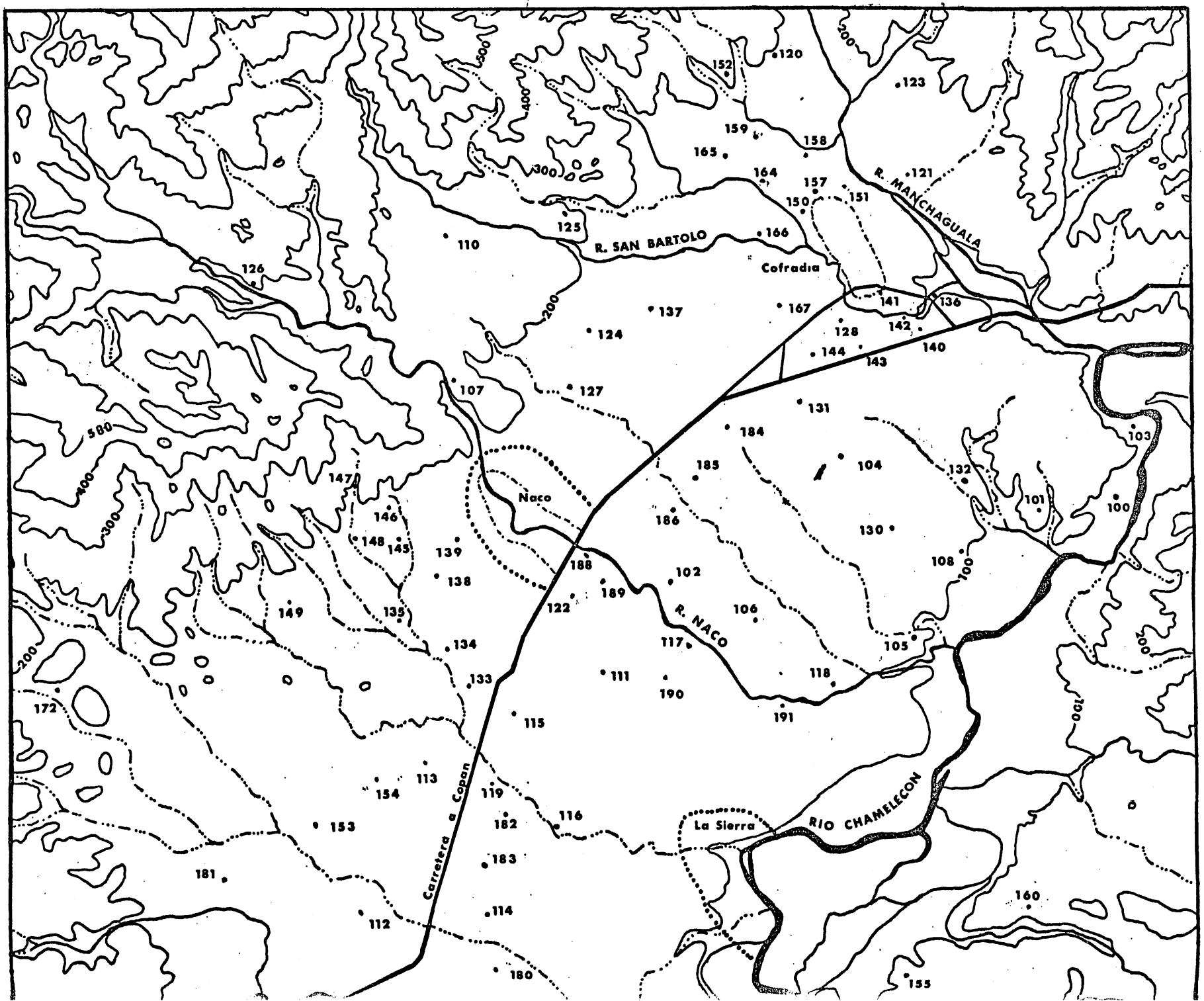
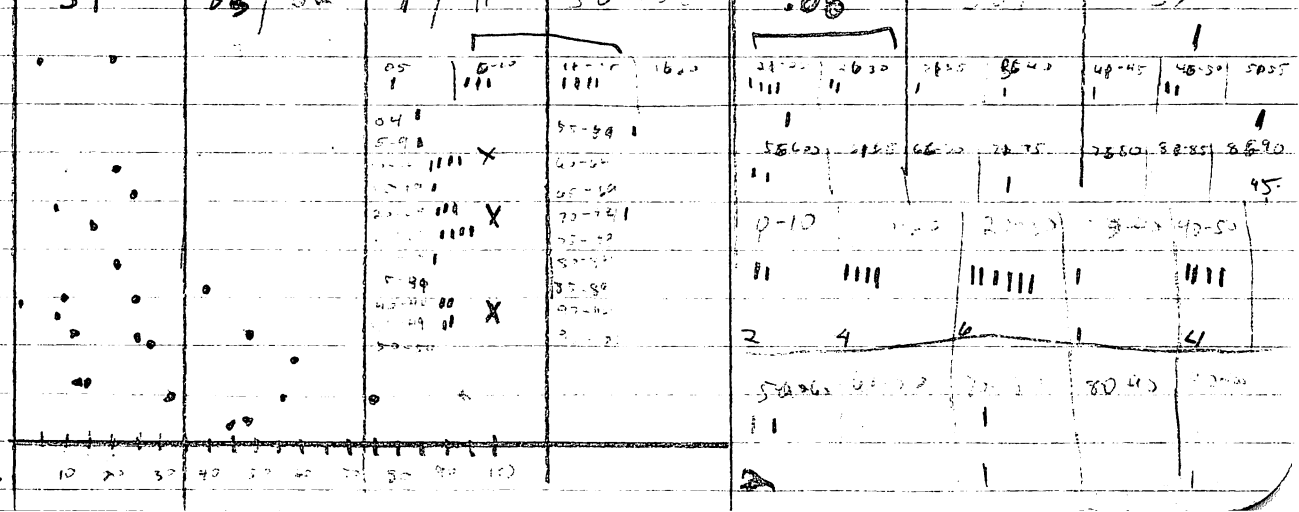

R. SAN BARTOLO
R. MANCHAGUALA
Cofradia
Naco
R. NACO
Carretera a Copan
La Sierra
RIO CHAMELECON
500
400
300
200
100
580

$\lambda = \frac{M}{V(V-1)} - (V-1)$ **INDICES**

$\beta = \frac{\sigma}{V}$

SITE	V N	E	δ	A m^2	mods/100 m^2	#/100 m^2	H obs
101 Lakeg	15	3	9	5900	.25	59	≈15
102 Fen	5	5 (9?)	2 (?)	900 m^2	.56	9	5
105 Wood	13	2	3	19250	.07	19.25	13
109 Bog	14	22	4	134550	.01	345.5	14
108 Pool	10	19	4	3575	.28	35.75	10
110	12	24	4	9900	.12	99	12
111 Fen	24 (21)	33 (42)	10 (14)	24050	.10 .11	240.5	24 (29)
113 Cedr	23		7	15600	.15	156	23
114 Shrub	6	7	3	4550	.13	45.5	6
115 Tam	5	7	2	1575	.32	15.75	5
116 Dam	28	63	5	12825	.22	128.25	28
119 Pond	2	1	1	365	.49	4.5	2
120 Gully	16	29	3	4000	.40	40	16
121 Lawn	6	8 (10)	3 (2)	4400	.14	44	6
122 Rock	13	24	4	2700	.48	27	13
124 Lesteria	8	14	3	1400	.57	14	8
125 Lawn	3	3	1	625	.48	6.25	3
126 Mac	15	28	6	15300	.10	153	15
128 Lobelia	26	55	10	10500	.25	105	26
133 Alder	12	17	6	4575	.26	45.75	12
134 Emb.	18	32	5	7925	.23	79.75	18
135 Mill	4	5	2	675	.94	6.75	5
Rico	40	86	7	18750	.21	187.5	40
Sim D	39	90 / 82	9 / 11	50400	.08	504	39



$$\gamma = \frac{e}{3(v-2)}$$

μ	α	β	γ
15	.11	1.78	.67
6	1.00	1.00	.56
12	.18	1.85	.73
9	.12	1.57	.61
10	.27	1.90	.79
13	.24	2.00	.80
10	.04	1.38	.50
20	.09	1.82	.67
2	.20	1.16	.58
3	.50	1.4	.77
36	.10	2.25	.81
0	0	.5	.33
14	.13	1.91	.69
3	.30	1.53	.89
12	.18	1.85	.73
7	.33	1.75	.78
1	1.00	1.0	1.0
14	.15	1.87	.72
30	.10	2.12	.76
6	.11	1.42	.57
15	.11	1.78	.67
2	.66	1.25	.83
97	.06	2.15	.75
24	.03	2.13	.75
44	.06	1.59	.56

To revive 722 Probs in Amer Ethnog.
→ need at least 5 students

Archive - index in the library
microfilms in Amer. Philos. Soc
reading

Hardoy, Jorge

looking at city plans - changes in views of settlements -
Spaniards and acculturated native

Model of Tenochtitlan as comparison

Looking Fem. Dimension

Height Index

28 (31)

Site	Contours	1 0-.24	2 .25-.49	3 .50-.99	4 1.00-1.49	5 1.50-1.99	6 2.00-2.49	7 2.50-2.99	8 3.00-3.49	9 ≥3.50	Total
Op. 110											
Op. 110	2	1 well		1	1	1	3	3	3		12+
111 Tab		4	7	8	5						24
116											28
116											25
113		3	5	10	3	1	1				23
119						1	1				2
133		1	4	3	3	1					12
120		2	3	4	2	2	2	1			16
134		2	5	4	5	1	1				18
121		1	4	1							6
135		2	2	1							5
125				2		1					3
130				1					1		1
122	✓		2	5	4	2					13
131					1						1
126			1	3	2	1	4	4			15
132				2							2
107		3	5	3		1	1				13
113			2	1?							3
101		3(2)	1(2)	2		3	1	1			11 (15)
114		1	2?	2?	1?						6
105		1	9	3							13
123	✓	4	4	5	3	1	4	5	4	8	38
104		4	5	3	2				1		15
124			1	1	5		1				8
102	✓		1	3	1						5
128	✓	2	9	5	3	3	3	1			26
108		4	3	2	1						10
115			1		3	1					5

(1)	(2)	(3)	?	Unknown
0-10	11-20	21-30	31	
13	10	4	2	7p

Site List

OP. #			Name	Henderson site #
-100	*	75 m	Tres Piedras	HCR2
-101	*	75 m	Las Vegas	HCR3
-102		75?	Las Flores	HCR5
-103		75 m	(M) Oscuridad	HCR6
-104		75 14m	Vaca Brava	HCR7
-105	*	75 m	Los Locos	HCR4
-106		75 m	Monte Grande	HCR9
107		75	El Papayo	HCR10
-108			Los Perdidos	HCR11
109	*		Quebrada Tostada	HCR12
-110			San Bartolo	HCR13
-111			Tabacal	HSB12
112		75 m	El Regadillo	HSB 3
-113		75 m	Descalzada	HSB 5
-114		75 m	El Chaparral	HSB6
-115		75 m	La Tristeza	HSB7
-116			La Jamaica	HSB9
117		75	La Sequia	HSB8
118		75	La Champa	HCR25
-119			La Bomba	HSB10
-120			Guayacial	HCR14
-121			El Cacao	HCR15
-122			Los Refrescos	HSB11
-123			Santo Domingo	HCR16
-124			Las Tunas	HCR17
-125			Casa Vieja	HCR18

-	126	75	77 M	Macondo	HCR 19
	127	i	77 M	Abajo de Bartolo	HCR 21
-	128		77 M	Los Puros	HCR 20
	129	i		Jutiapa	
-	130		77 M	Primero Solo de Manacal	HCR 22
-	131	75	77 M	Segundo Solo de Manacal	HCR 23
-	132	75 m	77 M	Dos de Manacal	HCR 24
-	133		77 M	Alus	HSB 13
-	134		77 M	Embajadora	HSB 14
-	135		77 M	El Molino	HSB 15

informants : 2

SIL) 4 + Naco + deleted San Luis

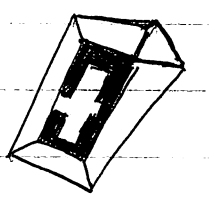
1975 17 visited, 14 mapped

1977 29 visited +1 approx

↓ too hi veg: Regadillo, Abajo de Bartolo

16 are new res for 75

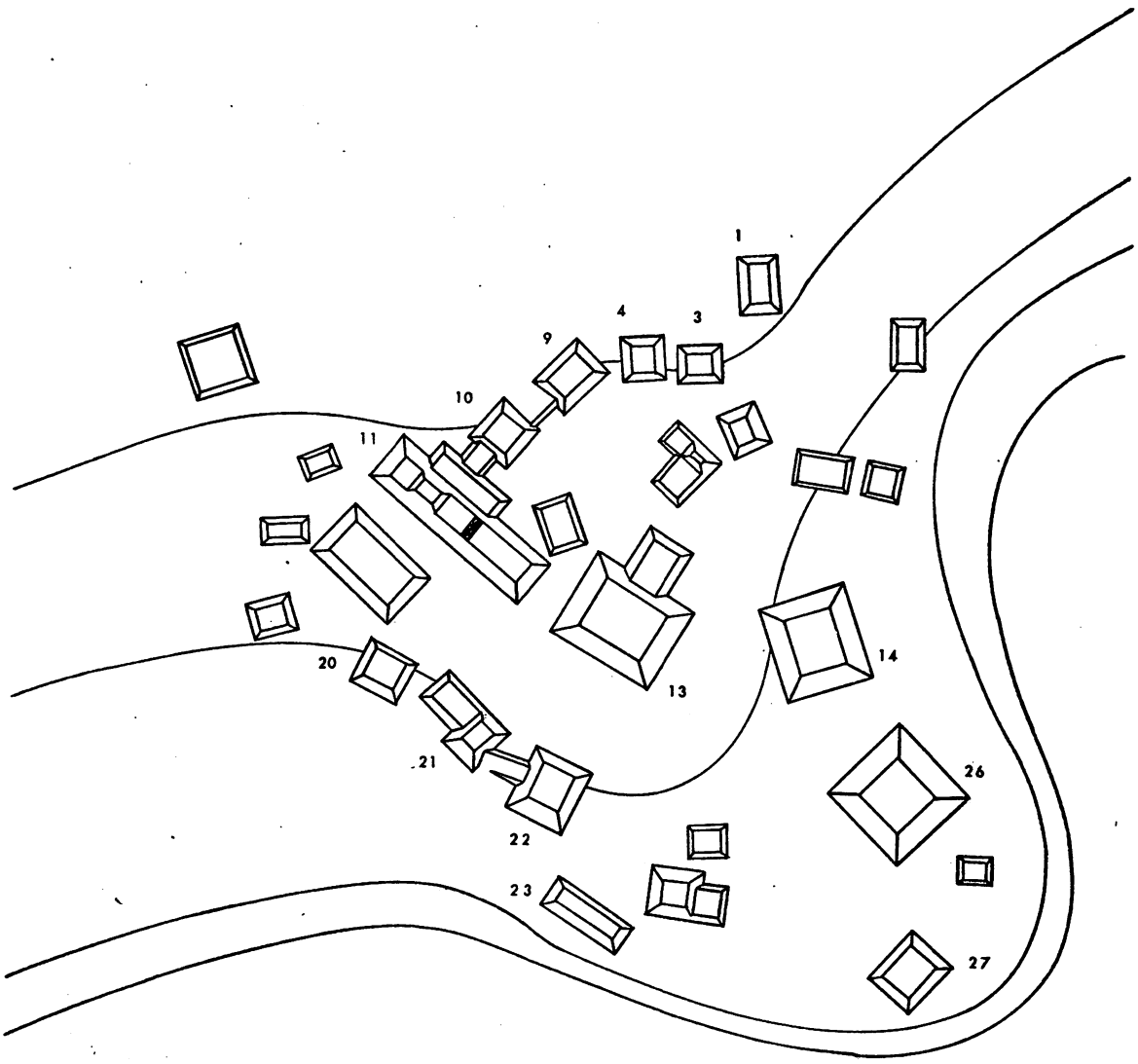
27 really mapped 38 mapped - at least to put on map - 1 & 2 mod sites, not formally mapped no. of these is 4



no

→ 2 not relocated

Segovia Champa



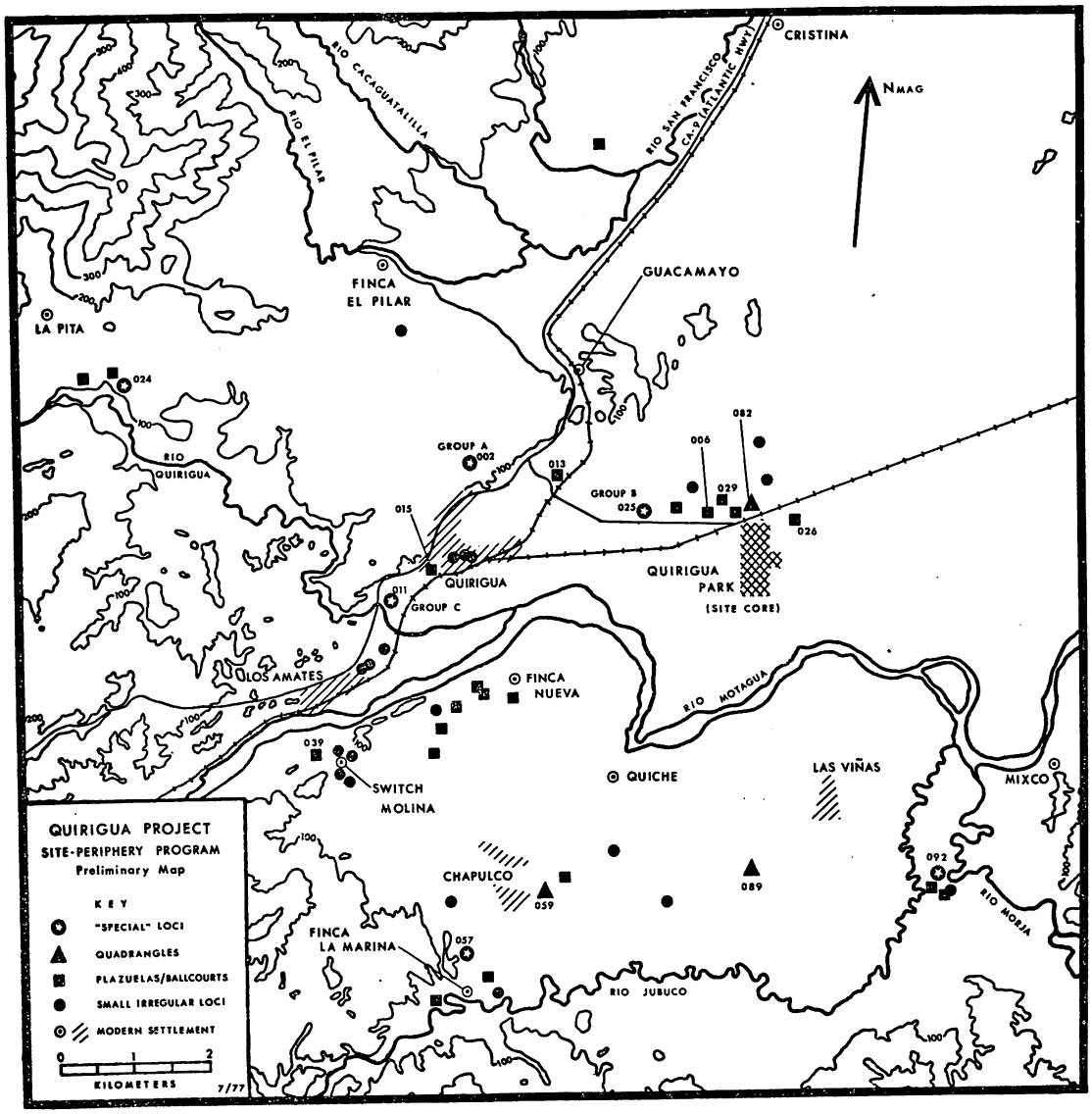
N

OP 116

NACO VALLEY

SURVEY PROJECT

0 5 10 0 30 m


CRISTINA
NMAG
RIO CACAGUATALILLA
RIO EL PILAR
RIO SAN FRANCISCO
CA.9 (ATLANTIC HWY)
FINCA
EL PILAR
GUACAMAYO
LA PITA
024
RIO
QUIRIGUA
GROUP A
002
013
082
006
029
GROUP B
025
026
015
QUIRIGUA
011
GROUP C
QUIRIGUA
PARK
(SITE CORE)
LOS AMATES
FINCA
NUEVA
RIO MOTAGUA
039
SWITCH
MOLINA
QUICHE
LAS VIÑAS
MIXCO
092
CHAPULCO
059
089
RIO MORJA
FINCA
LA MARINA
057
RIO JUBUCO
QUIRIGUA PROJECT
SITE-PERIPHERY PROGRAM
Preliminary Map
KEY
"SPECIAL" LOCI
QUADRANGLES
PLAZUELAS/BALLCOURTS
SMALL IRREGULAR LOCI
MODERN SETTLEMENT
0
1
2
KILOMETERS
7/77