

1984

PSB-016-Julie Miller-Field Notes-1984

Julie Miller

Follow this and additional works at: <https://digital.kenyon.edu/honduras>

 Part of the Archaeological Anthropology Commons

Recommended Citation

Miller, Julie, "PSB-016-Julie Miller-Field Notes-1984" (1984). *Four Valleys Archive*. Paper 92900.
<https://digital.kenyon.edu/honduras/92900>

This Field Notes is brought to you for free and open access by the Anthropology at Digital Kenyon: Research, Scholarship, and Creative Exchange. It has been accepted for inclusion in Four Valleys Archive by an authorized administrator of Digital Kenyon: Research, Scholarship, and Creative Exchange. For more information, please contact noltj@kenyon.edu.

June 25, 1984

Site 27

Spent the first hour or so locating structures on the site map. We were only able to locate four definitely (1, 2, 3, and 7) and possibly one other, number 4. Number 1 is a mound with a corner and several wall lines visible. Number 2 is 2 wall lines southeast of #1. Number 3 is a long structure with some elevation. Number #7 is much smaller with no elevation. We were unable to locate any of the other structures or features on the map with any certainty or at all.


After the workmen finished clearing structure 1, two pits, each 1 x 3 m were opened. One, 27B, was in the center of the south side of the structure while 27C was opened along the west side. 27B was taken down in 10 cm levels in the southernmost 1 x 1 m square until the floor was 45 cm below surface. After this, the next 20 cm to the north was taken out from surface to even with the floor of the 1 x 1 m pit. All of the lots from this pit were empty. Suboperation 27C was taken down in 10 cm levels in the 1 x 1 m square further west for 30 cm. Each of these lots yielded stones, sherds, and jute shells. After this the pit was continued up to the wall line and was taken down to the layer of rock that was found in the 1 x 1 m square. After this the ~~open~~ pit was expanded to the north along the same line as the previous part. These lots also had a few sherds, stones, and jute shells.

The other crew of workmen started clearing another site which will take a long time because it is so badly overgrown.

It was very hot with mostly clear skies.

June 6, 1984

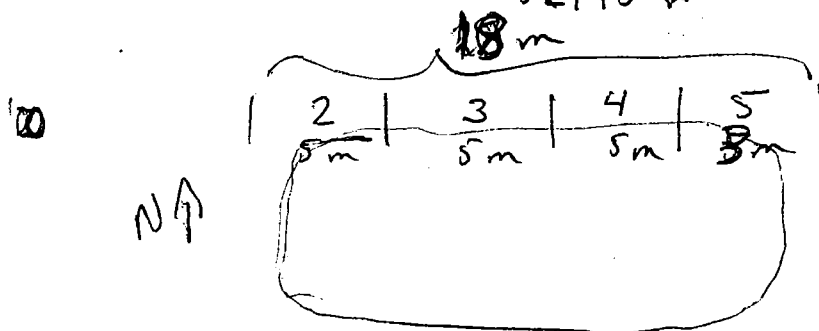
Continuing digging in 27B.

27C expanded east from the expansion yesterday to even with the east side of the original pit outline. ^{6/6 m}  The rocks are being left in place to check whether they are tumble or are part of a wall

27B expanded 1 m North to look for the wall the rocks found in the northernmost 1x1 m of the original area tumbled from. This square is being cleared to a level ~~area~~ 27 cm below surface in the SW corner.

Soil sample Site SB 27
 Sample # 1 ~~Example~~ ^{2.75 m} 1 core ~~at~~ N. of fence
 1 core 12.75 m N. of fence
 22.75 m N. of fence
 32.75 m.
 42.75 m
 52.75 m

sample type/area
 General field
 sample



~~Structure 1~~ NW corner -
 Structure 1 NW
 corner → 5 m east

2 Cores
 4 cores \approx 1.25 m apart

Structure 1
 NW corner → 5 m E

3 4 cores \approx 1.25 m

5 → 10 m E

4 4 cores \approx 1.25 m

10 → 15 m E

5 3 cores \approx 1 m

15 → 18 m

Sample 1 - soils dark, those nearest fence & mound redder. Deep enough to take core length before hitting bedrock. seems slightly deeper in center few small rocks.

Sample 2 - cores about $\frac{1}{4}$ - $\frac{1}{2}$ of core length before hitting decaying basal rock. Sometimes the cores could penetrate the basal rock but other times it could not - Perhaps other stones lying on top of the basal layer

8
Samples 3-5 same as #2 but soils getting shallower the further east until at the easternmost samples the soils were only approx. 6-8 cm above ~~bed~~ basal rock

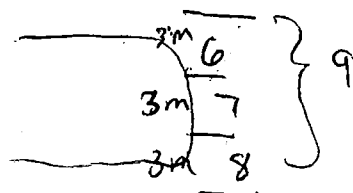
The distance between cores within each sample are only approx. because often the had to be moved over in one or more directions to avoid buried stones.

The soils on ~~the~~ Sample 5 were so shallow that several cores had to be taken to produce enough soil for tests.

Sample #
6

Cores / Dist
3 cores @ 1 m
soils \approx 9 cm

NE corner \rightarrow 3 m S



Set up a 1×1 m square west of the ~~west~~ N-S line of stones in structure 7 for suboperation 27 D



Sample 7 3 cores / 1 m
 ≈ 16 cm soil 3-6 m S of NE corner

Sample 8 4 cores / 1 m 6-9 m S
 at least 26 cm soil
 last core at 9 m. = SE corner of mound

Soil holds together more ⁱⁿ at the southern cores of this series. The soil in the northern cores was drier at ~~the~~ similar depths than that in the southern ones. The basal layer was not apparent at the bottom of the ^{southern} cores so the soil depth is at least 26 cm.

The pit for 27D was set up using the Brunton compass to orient the walls N-S, E-W. After the corners were set we checked the distance and orientations and had to move the S-W corner over 3 cm west. The line of stones next to 27D is oriented almost directly N-S.

~~27B~~

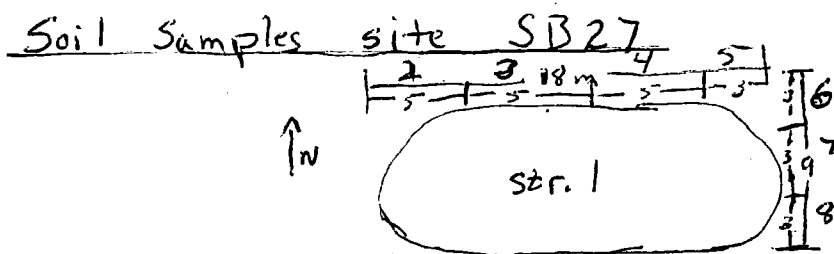
27B - Cleared to a level even with 45 cm below surface on the SW corner over the entire 184 m floor surface. The total number of lots is now 8. There were some stones that looked like tumble from a wall but there was no wall evident.

27C - Cleared extensions leaving stones in place. Section was drawn.

27D - Taken down 40 cm (3 lots). Found sherds, stones, and a Gifford Cakes one in 27B)

Weather was very hot, especially around noon. A breeze started during the afternoon.

Visited the site across the road to see what the workmen had cleared and located one group that they had missed.



1 - every 10 m for 50 m. SW to 2.75 m from fence

Sample #	# of cores / Sample dist. (dist between samples)	Location of sample	Date
1	6 / 50 m (10 m)	Field between fence and mound-control sample	6/3/84
2	4 / 5 m (1.25 m)	Str. 1: NW corner → 5 m E.	6/6/84
3	4 / 5 m (1.25 m)	Str. 1: 5 → 10 m E from NW corner	6/6/84
4	4 / 5 m (1.25 m)	Str. 1: 10 → 15 m E of NW corner	6/6/84
5	3 / 3 m (1 m)	Str. 1: 15 → 18 m E of NW corner	6/6/84
6	3 / 3 m (1 m)	Str. 1: NE corner → 3 m S	6/6/84
7	3 / 3 m (1 m)	Str. 1: 3 → 6 m S of NE corner	6/6/84
8	4 / 3 m (1 m + 1 core at end)	Str. 1: 6 → 9 m S of NE corner	6/6/84

June 7, 1984

Set up 27E - pit crossing the 2 lines of stones that may be 2 terrace walls. The pit is $1 \times 5\frac{1}{2}$ m. The workmen began with the northernmost 1×1 m. It is being taken down in 10 cm lots

27D has been extended 1 m E to check if the line of stones is a wall line. It is to be taken down in 20 cm lots leaving the stones in place

Photographed the east wall of 27B (84-5-A1-4)
 North face (84-5-A5, 6)
 West face (84-5-A7-10)

27E ~~is~~ is being taken down in 10 cm levels in 1×1 m squares going south. They are uncovering many rocks

27D has ^{tumbled} rocks that are standing on their ends.

Draw the elevation of the scrambled wall in 27C ^{Drawing} numbered D84-16-1

27D) Rocks are cleared and seem to be lined up in some order although are standing on end. 1×1 m extension on the south side of the east 1×1 . ~~But~~ This square will be excavated in 2 halves with the dirt being kept separate. ~~But~~ Lot 6 is on the west side of the rock line, lot 7 on the east.

27E In the 3rd meter the tumble of stones ^{has} ended and there is a clear space. Now digging the fourth meter

Wall in 27C = Scrambled 1st Terrace
 Protected Wall in 27B = Benedict
 Wall in 27D = Destroyed
 Wall in 27E = Roached

Drew the section of the east wall of 27B including the possible wall Benedict. Drawing # D84-16-2

27D reached a corner, excavation extended to follow wall line east. Lot 10 = 20 cm level $50\text{ cm}^{\text{N}} \times 1\text{ m}^{\text{E}}$

27E extended east from s. end of pit lot 6 $1/2\text{ m}^{\text{N-S}} \times 1\text{ m}^{\text{E-W}}$ empty

27F opened near eastern extension of 27E East side str 3

27D wall ~~2-W~~ ~~greatest~~ = Fried


27E Southern line of rocks = Omelet $4\frac{1}{2}\text{ m}$ S of N edge of pit
3 m S of S end of poached

27F Next to line of stones that appears to be wall line

June 8, 1984

27G - 1x1 m pit west of 27E looking for the western side of str. 3. located a little south of the supposed corner and straddling the area where the western wall is hoped to be.

27H - 1x1 m pit east of 27D to locate the SE corner of str. 7.



Drew a profile of the west wall of 27E including Poached and Omel walls. Drawing # D84-116-3

27~~at~~H yielded a wall and corner. Extended south, ^{N-S} 1 m x ^{E-W} 50 cm.
Wall named Sunny-side

Opened 27~~at~~I, 1x1 m square 4.40 m N of the corner in 27D in an effort to locate the N wall and ^{the NW} corner. It was placed at that distance because that is the distance between the SW and SE corners, so if the str. is a square or nearly square it would pick it up.



27G extended 1x1 m S. picked up continuation of Poached wall.

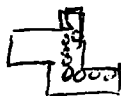
27J Opened 1x1 m square south and west of 27G in an effort to pick up a third line of stones, south of Omel.
Named Hand bored

Measured while Alea

Drew the section of the N. wall of 27D

27 I extended 2 m south in 2x1 m squares in an effort to pick up the N. wall line of Str. 7. None of these three pits yielded a wall or artifacts.

A small extension on ~~the~~ the N. E. corner of 27 D showed



that the wall turned east at the N. edge of 27 D rather than continuing further north as had been expected.

The heat and haze of the morning gave way to rain by about 2:15, right when we were about to start shooting transit sights in the pits so they can be backfilled tomorrow. We waited until it stopped and then shot the lines which made us late leaving the site. Tomorrow the pits will be backfilled while we go out with other crews.

784-16-10

June 9, 1984

Soil Tests

Procedure: Collect soil samples (see June 6, 1984).

Dry samples on sheets of paper marked with sample number, location, and date.

Sift dried sample through a screen to remove lumps, rock sticks, etc.

pH Test

Fill tube $\frac{1}{3}$ full of soil.

Add demineralized water to top of tube

Shake until well-mixed.

Add 5 drops Texture Flocculating Reagent, shake, let contents settle.

Put 1 ml in each of the 2 depressions on a spot plate

Add 2 drops Wide Range Soil Indicator to 1 sample. Compare color to Wide Range Color Chart. Add 2 drops of appropriate Narrow Range ~~Soil~~ Indicator (as given by chart) to obtain a precise soil pH.

Sample 1: Wide Range: Did not work on 3 attempts. I think I didn't let it settle long enough before trying to do the test although even when it had settled for over an hour there was still no reaction.

Results of test for Nitrate Nitrogen: concentration between 10 and 20

Results of test for Phosphorus: concentration > 150 lbs/acre
Potassium: 220 lbs/acre

I ~~also~~ attempted the humus test but it was not fitting out and then got knocked over before I could get the results.

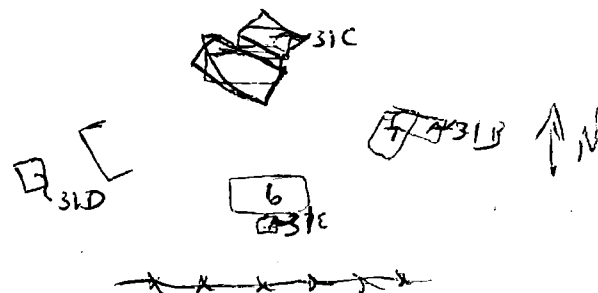
June 11, 1984

31 B

Str 7 1x3 m E of Str.

Test for architecture

10 cm levels



31 C

Str 1 1x2 m NE of Str.

Test for architecture

~~can do~~

31 D

Str 5 - 1x1 m SW of Str.

looking for trash

10 cm levels

31 E

Str 6 - 1x1 m S of str.

looking for trash

10 cm levels

Lot 1 in all the pits yielded many sherds.

In 31E, right on the divide between lot 1, and

2 was a group of sherds together

31 D - flotation sample from level 2

31 E - flotation sample from level 3

31 B - flotation sample from level 3

31 C lot 2 - Removing the stones in the SE 1x1 m sq.
lot 2 - under rocks

31 B

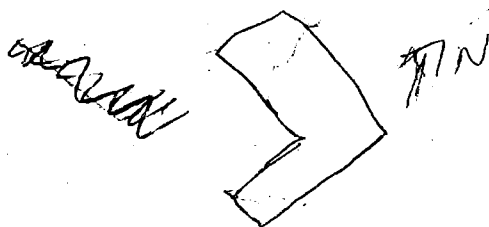
31D ≈ 25 cm below ground surface soil changes from dk brown to ^{redder} brown. ~~at~~ few rocks to very many small rocks, ~~dk~~ redder brown.

31C Under rocks soil redder, more stones, 2 large stones, too large to move.

31B soil redder, level 3 (approaching 30 cm)
~~lot~~ 4 - 1st 10' cm of 1x1 m sq west of previous
 1x1 m (still w/in original 1x3 m outline)

31E lot 4

31C lot 3 - extended 1 m ~~SW~~ ^S X $\frac{1}{2}$ m W on SW side



looking for wall

31E 35 cm S of ^{NW corner} 31 cm E 40 cm below surface
 found several fragments of a large jar
 Lot 5 = base of lot 4, small concentration of sherd
 flecks of carbon, jute, sherds, bone in NW corner
 = midden.
 Soil redder

31C Lot 4 - below lot 3

31D lot 4 - 30-40 cm below ground
 lot 5 - 40-50 cm

31E

Lot 6 - bone point, other bone fragments;
⁴⁰⁻⁸⁰ found under rock in middle of S. wall
 cm below surface

31B

Lot 6 ~~10-20 cm~~ 10-20 cm in S. half of 2nd /X/

Lot 7 N half of 2nd 1x1 m pit (other half of 5, 6)
 Possible wall along western side of this square, exposed
 by previous lots

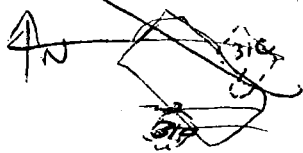
31E Lot 7 - flotation sample

June 12, 1984

31B Lot 8 - clearing dirt ^{in the 3rd (western) 1x1 m square} off the wall seen in the west wall of the 2nd 1x1 m.

31C probably back wall - retaining wall. Stones over reddish midden layer

31E Str. 1 on SW side 1x1 m



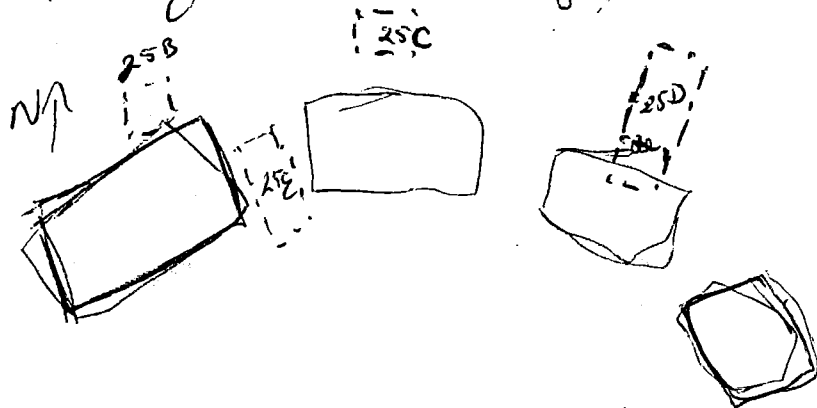
Discovered that the property that the mounds are on is private property and that we do not have permission to dig on it so we drew and photographed all four pits. Kathleen and I did 31D ^(east face) and 31E (N. + E faces)

Drawing #s: D84-10,16-1, D84-10,16-2

Moved to site SB25, group 1 (of 4 - 2 are cleared, 1 other located)

4 structures

Will put a pit at the back of each 3 structures and later will move to front of some, ~~also investigate~~ a raised area between two structures that may possibly be a walkway.)



- 25B 1x1 m sq. being taken down in 10 cm levels
looking for trash
- 25C 1x1 m sq looking for trash
- 25D 1x3 m pit looking for architecture.
- 25E 1x3 m pit looking for a possible walkway
in a saddle between 2 structures.

Don't know structure numbers at this time because we don't have the map since we weren't expecting to move today.

Soil changes drastically between the pits. 25B is very dark brown, few rocks. 25C has more rocks and is lighter brown. 25D is light brown with many rocks, resembles the soil at the bottom of the pits at the other sites. 25E darker than 25C but lighter than 25B, similar otherwise to 25C. some rocks.

25D
lot 1 - 1st 20 cm in 1x1 m all very rocky, no topsoil

25C lot 2 10-20 cm soil lighter, more rocks

25E lot 1 = 0-20 cm S. 1x1 m square
lot 2 = 20-30 cm

25B lot 1 = 0-10 cm

lot 2 = 10-20 cm

~~25B~~ lot 3 = 20-30 cm

~~25B~~ 25C lot 3 = 20-30 cm

25D - lot 3 ~~0-20 cm level~~ ~~1x1 m square~~ 0-30 cm in front of wall + dirt on top of stones

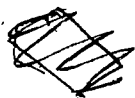
25E - lot 3 - south of stone line - 10 cm level (30-40 cm)

25B - lot 4 - 30-40 cm

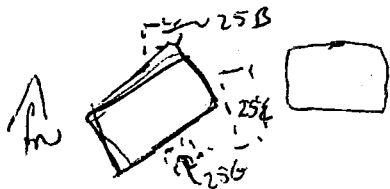
Soil in B, C, E changes to later brown w/ small rocks

25D lot 4 - ~~1x1 m~~ ^{1.2 m} extension west along wall line 0-20 cm

25F 1x3 m pit on a small mound next to mound in which 25D is located. Digging in SW 1x1 m oriented NE-SW



25G 1x1 m near western structure ^{25G/1} 0-25 cm



25E lot 4 2nd 1x1 m to level of stones in 1st square

25F lot 2 2nd 10 cm

25D lot 5 extension west

25G 25 cm below surface 30-50 cm from S. corner concentration of sherds including a foot from a vessel

June 13, 1984

- = lot cardinal

25G Lot 1 = 0-30

Lot 2 = 30-40

25D Lot 5 1.2 - 3.0 m X 75 m
Lot 6 1 m X ~~1.3 m~~ 1.325F Lot 3 20-30
Lot 4 30-4025E Lot 5 0-10
10 - down to rocks in northern 1.5 m of pit

25G / 3 1 x 1 m extension dist off top of rocks

25F/5 0-10 cm in 1x1 m sq. east of 1st square. (middle of original 1x3 m trench)25D - mississippian wall E-W
Potomac wall N-S

25E Hudson wall E-W

lot 6 1.3 N 0.5 E 30 down - among tumble
1 pc. bajareque

lot 7 1x1 m west of previous pit side

Draw South wall of 25B } D84-16-4
South wall of 25C }25F 16 10-20 cm
/ 7 20-30 cm

25D / 7 extension off east side, south 1 x m - 50 E-W following wall line

25D/8 extension of area of lot 6 1.3×1 m ^{EW NS}

25E/7 clearing to depth of rocks, taking rocks out of southern part of probable tumble

25F/8 Eastern 1×1 m square top 10 cm

25F/9 10-20 cm

25E/8 among stones, dirt in northern $1 \text{ m} \times 0.5 \text{ m}$ of cut into probable tumble

25G/4 ~~surface to~~ 10 cm to base of excavation -
Ca. 35 cm ⁴⁰

Rained out at about 2:00

June 14, 1984

Soil testing

<u>pH</u>			
<u>Sample #</u>	<u>Wide range indicator pH</u>	<u>Narrow range pH (indica)</u>	
1			
2			
3			
4			
5			
6			
7			
8			

~~7.5~~ (7) turned a color not on the color chart

Will try again later

Nitrate Nitrogen

1	20 < x < 40
2	20 < x < 40
3	20 < x < 40 less than 2
4	60
5	40
6	20
7	20 < x < 40
8	

Phosphorus

2	75 < x < 100	6	75 < x < 100
3	75 < x < 100	7	75 < x < 100
4	50 < x < 75	8	
5	75 < x < 100		

The samples used this morning, 3, 4, 6 reacted strangely with the Universal Extracting Solution, foaming and producing gas that caused

June 15, 1984

25D/9 extension ~~not~~ ^{of} 1.4 N-S x .8 EW

25E/9 clearing rocks in eastern extension

~~25E/9~~ ~~empty lot~~

25G/9 Clearing 1x2 m east of original pit to level of rocks

25F/10 20-30 cm below ground surface

25F/9 flotation sample

25F/10 17 cm E 2nd ^{sum of NE corner} 30 cm down, sherd w/ face welded on it
another ~~piece~~ ^{wt face} sherd in east wall 40 cm S of
NE corner

25E/10 1x1 m square west of lot 9

25F/11 1x1 m extension to NE of original 1x3 m pit
0-10 cm

25D/10 extension south

25D/11 extension south ~~of~~ along possible stone line 1 m N-S
0.8 m E-W

25E/9 - line of stones that may be a wall line, extends
pit to west to see if it is or if it is just more
tumble

25D/12 Empty lot .65^{N-S} X .65^{E-W}

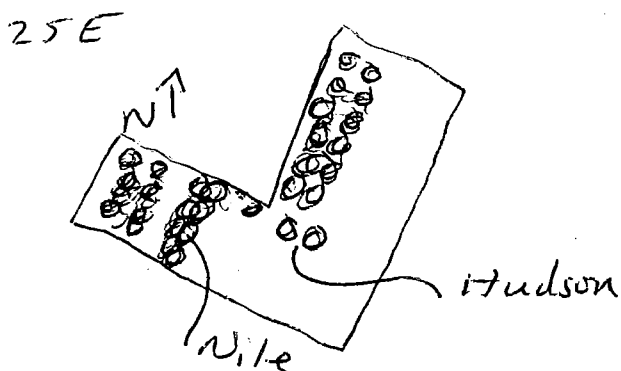
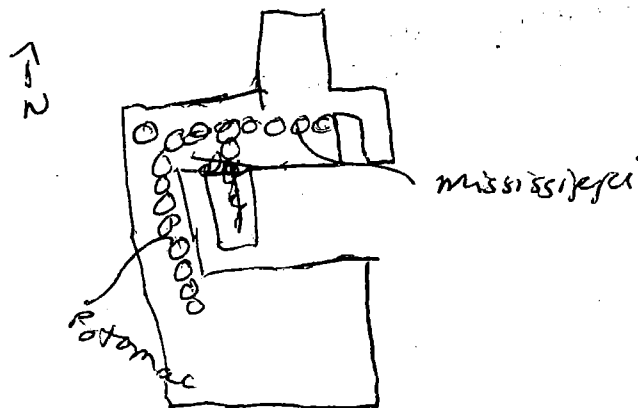
25F/12 10-20 cm below ground surface

25F/13 20-30 cm below ground surface

Drew 25D, section of west wall and elevation of
Mississippi wall E# 1784-16-5

Wall named Nile located in 25E, west extension
behind and under tumble being removed

25D ended up looking like:



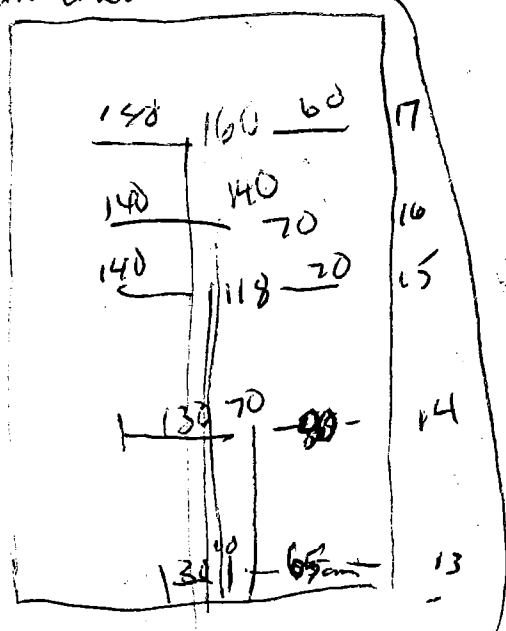
Learned how to use the transit and shot in the plan
points for all of the pits

June 16, 1984

Soil Samples - Gualajoquito

#	Str.	# of cores (dist between them)	Location
9	30	2 cores (50 cm apart)	Str. 3D above floor
10		3 cores (points of a triangle 12m on a side)	Central plaza
11		3 cores (1 m)	Str. 34 Next to pit w/ walls
12		3 cores (2m)	South of Op. 12A
13		2 cores (30 cm)	Op 12A 10 cm from bottom
14		2 cores (50 cm)	Op 12A 79 cm from bottom
15		2 cores (70 cm)	Op 12A 118 cm
16		2 cores (70 cm)	Op 12A 148 cm
17		2 cores (80 cm)	Op 12A 160 cm

17
South wall



June 18, 1984

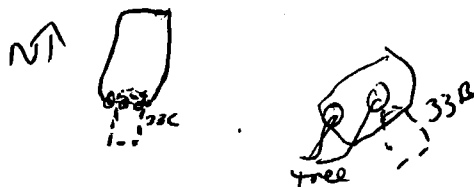
Site 33

33B

1 x 2 m pit on str. 11. SE x NW long axis off SE side of str.
Lot 1 = 0-10 cm of SE 1x1 m square ~~EMPTY LOT~~

33C 1 x 2 m ^{N-S} ~~pit~~ pit on str. 9 oriented to an E-W line of str.
on S. side of str. 9
Lot 1 = 0-10 cm in S. 1x1 m square - EMPTY LOT

Str. 11 has 2 trees on it that made it more difficult to see how it was oriented.



33C/2 10-20 cm

33D

1 x 2 m E-W pit on E. side of str. 1
lot 1 = 0-10 cm in Eastern 1x1 m square
Trench intersects ^{N-S} line of stones

33E 1 x 5 m N-S trench on S. side of str. 1.

lot 1 = 0-10 cm in S. 1x1 m square
Trench crosses 2 possible terrace lines



33 A/1 Mano fragment from ^{surface of} W 1x1 m square

33 C/3 20-30 cm 3 sherds

33 B/2 ^{10-20 cm} Carbon sample

33 D/2 10-20 cm

33 E/2 10-20 cm EMPTY LOT

33 B/3 20-30 cm

33 C/4 0-20 cm in N. 1x1 m square. Will encounter the line of stones

33 D/3 20-30 cm

33 E/3 20-~~40~~ cm EMPTY LOT

33 C/5 ^{N-S E-W} 1x1.5 m square offset 50 cm N on E side of
a N. 1x1 m of original pit
~~base~~ base of wall



33 B/4 cleaning Bay wall

Wall in 33C = Oregano.

33 D/4 30-40 cm EMPTY LOT

33 B/5 from dirt east of Bay wall 10-30 cm

33 A/2 Metate)

D/5 over stones

N 1 m E-W

33 E/4 40-55 cm

33 E/5 clearing over stones in next 1x1 m square EMPTY LOT

33 E/6 Among + below stones in same square - 2 sherds

33 B/6 1 m^{NS} x .5 m^{EW} extension N of original pit following Bay wall line

33 C/6 Following Oregano wall to west surface + base of wall

Frontal surface in 33 C = ~~Corinthian~~ Clerve

Wall in 33 E = Tumeric

Wall in 33 D = Dill

33 E/7 earth over stones to north of Tumeric wall

Drew section of North wall of 33 B - # D84-16-6

June 19, 1984

- 84-5-I 7,8 corner Bay wall
 84-5-I 9,10 Bay wall, frontal
 84-5-I 11,12 Bay wall, overhead
 84-5-J 1,2 Dill wall ^{Clave surface}
 84-5-J 3,4 ~~East side of~~ East of Oregano wall
 84-5-J 5,6,7,8 West side of Oregano wall w/ Coriander ^{surface}

33F/1 clearing over rocks n side of Str. 9

33G/1 1x1 m square west of Str.

Drew ^{elevation of} Clave surface, Oregano wall, and Coriander surface in
 33C

33H/1 1x1 m pit on str.
 lot 2 ~~extra~~ among rocks

84-5-J 11,12 Clave surface 33F. Blackboard
 reads 33G but the pit is actually
 33F

33H/3 1x1 m extension west 0-10

33G Ginger wall
 Anise wall - further west

33G/2 Ground surface to 30 cm ^{at west. edge of pit} below g.s. west
 of Anise

33F wall Fenegrec E-W
 N-S = Cinnamon

84-5-K 1,2 33G facing east, Anise + Ginger walls

June 19, 1984

Drew section of north wall of 33G, w/ ~~ANISE~~ and GINGER walls. # 1784-16-7June 20, ~~1984~~ 1984

Began excavations at 3352

52B 1x2 m trench off the back^{west side} of a structure, intersecting a possible wall line at its eastern edge. Looking for trash as well as the wall line.
 52B/1 0-10 cm below ground over whole pit
 3 large rocks removed before starting next level

52C 1x2 m trench off the south side of a structure, intersecting a ^{possibly} wall line. Looking for trash and the wall.
 52C/1 0-10 cm below ground surface over ~~whole~~ whole pit

The structure 52C is on is cut by a fence and a path so the pit is ~~on~~ towards the SW corner. Just west of the pit is an area that looks like it has been cut ~~off~~ through for some reason.

52B/2 10-20 cm western 1x1 m square

52D 1x1.5 m pit on east side of same structure as 52B, ~~pit~~ on the side ~~of the~~ that is probably the front.

52D/1 0-10 cm over whole pit

52D/2 10-20 cm ~~1x1~~ 1x1 m ~~square~~ square



52B red clay w/ stones layer \approx 15 cm below surface - SW corner

52D/2 \approx 10-20 cm in front ^{East} of rocks

52B - removed some rocks \approx 50 cm west of east pit edge & tumble, Shards coming out from below then

52C large carbon deposit with unburned ~~stone~~ wood also 1 m N of ~~SE~~ SE corner, 38 cm W, 12-27 cm deep. Continues into next 1x1 m square. No visible soil changes around it. deposit was beside and slightly below a large stone

52D/3 20-30 cm below surface in front of rocks

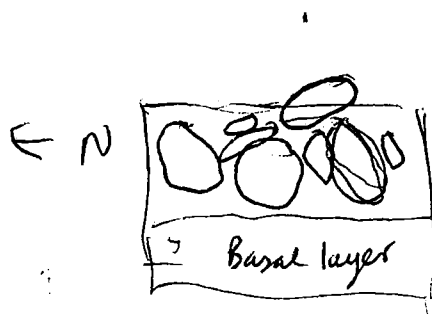
52B ~~Continuing~~ Continuing to remove the rocks, shards between them piece of bajareque in amongst rocks.

52C soil stains - base soil red brown clay w/ small yellow and red rocks - stain black - carbon in wall above stain on east wall. 25 cm below g.s. largest area -

20-89 cm N, 15-30 cm W. of SE corner



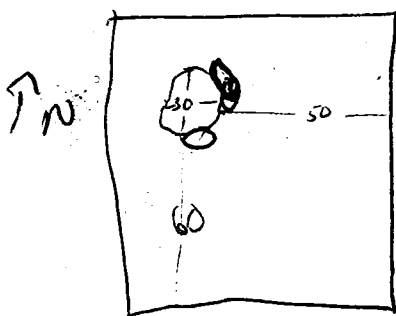
Probably burnt root, carbon sample ~~probably~~ from same source.



~~Sketch of East wall of 52B~~
 Sketch of East wall of 52B
 Rocks appear to be tumbling both to the left and right of the ones in the middle

52C/3 20-30 cm

52C The soil stains have moved over to 60-90 cm N, 50-80 cm West of SE corner 40 cm below surface on wall even with stain. There are two stones, one on the east and one on the south borders of the stain.



Removed the dark soil for a flotation sample

Stain appears to continue to the west, increasing in depth and getting smaller. Perhaps an animal burrow approx. 10 cm deep

52B/4 0-10 cm in 1x1 m extension east

52D/4 30-40 cm

2 large pieces
 Basal layer in 52D/2 or 3 - found by side of pit

52D/5 cleaning among ^{and below} rocks - ~~clear~~ 10-20 cm

52C/4 10-20 cm N 1x1 m square, leaving rocks

52B/5 among and below rocks

52D Rocks along western edge of pit may be a wall.
~~Rocks~~ seem to be fairly flat-laid. Remove
 the rocks in front of them that appear to be
 lying on a slant

52D/6 25^{cm} - base of excavation in front of wall

52B/6 25 cm - base of excavation in front of wall
 N-S E-W

52D/7 1 X .85 m extension on south of original
 pit 0-20 cm, cleaning stones to follow
 wall line, among and below stones

52B/7 1X1 m extension on S side of previous extension
 To follow line of wall - ~~There are no stones~~
~~to be left in the way of the~~

Theme for wall names = ~~Peach~~ Ice Creams

Wall in 52B = ~~MOCHA~~ MOCHA

Wall in 52D = ~~PEACH~~ PEACH

Extended extension in 52B 10 cm west to have more
 room in front of ~~PEACH~~ MOCHA

June 25, 1984

Site SB26

26B 1X2 m pit south of Str 8, intersecting a stone line at its northern edge. Looking for possible terrace lines on the south side of the structure, will extend it north to intersect another line of stones.

26C 1X2 m pit east of Str. 8. Intersects stone line at western edge. Looking for trash and architecture

First ten cm in E. 1X1 m square. uncovered a lot of flat laid stones & there are also some that look like rubble. Workmen are now clearing the W. 1X1 m square to see what the stone look like there

Theme for ~~the~~ names of walls, etc.: Bread & Rolls

Surface in 26C = ~~R/E~~ RYE

84-16-A 1,2 26C RYE surface, facing west

~~Range of~~ in ~~the~~

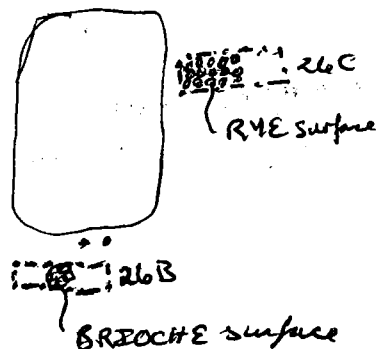
0-10 cm 26C extension produced only one sherd so lot expanded to 0-20 cm

26B has many stones with sherds coming out from among them

26B/4 large ^{incised} sherds ~~of~~, metate fragment

Extended 26B 1x1 m to west of original pit to see if the large sherds found along the western side 30-40 cm below g.s. continue in that direction. The sherds were large incised ones that make up most, if not all, of the rim of a vessel. There were also some painted sherds.

26B/6 15 cm (SE corner) below g.s. ~~flat~~ laid stones across all of pit. Surface = BRIOCHE surface



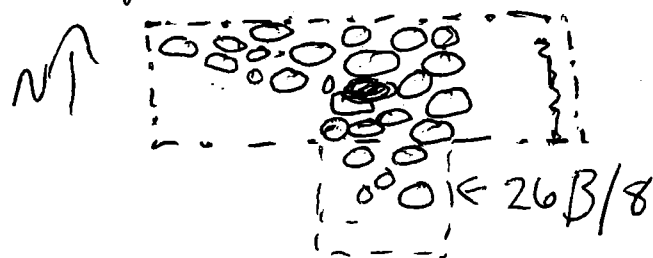
Lot List

- 26B/1 0-10 cm in southern 1x1 m square of 1x2 m pit off
~~12~~ ~~10-20~~ s. side of Str 8
 12 10-20 cm
 13 20-30 cm
 14 30-40 cm
 15 40-50 cm at SE corner
 16 0-15 cm 1x1 m extension west of original pit
 17 clearing over rocks in ^{BRIOCHE} surface 1x1 m ext. west of 16

- 26C/1 0-10 cm in eastern 1x1 m square of 1x2 m pit off E. side
~~12~~ of Str. 8
 12 0-10 cm in western 1x1 m square - clearing rocks
 13 0-20 cm in 1x1 m extension east of original pit
 14 20-30 cm
 15 30-40 cm

June 26, 1984

26B BROCKE surface continues in the 1x1 m extension with more flat laid stones in the northern part of the square
 Extending pit 1x1 m south of first extension so far the surface looks like this:



The surface BROCKE appears to end approximately 50 cm N of the pit edge in 26B/8. The stones are still very flat but there are fewer and they are further apart

RYE Surface continues in 26C/6 but no sherds were found

Extended 26C North 1x1 m, hoping to find a wall but there is not one obvious among the stones of the surface

Removing stones in flat S. 0.4 m of original pit, in front of a line of stones that ~~appear to be a wall~~ appear to be laid on top of each other
 appears to be a wall = PUMPERNICKLE
 flat laid stones at base of PUMPERNICKLE
 Extended pit to east to try to pick up end of the rocks

Extended 26B 1x1 m North looking for wall - not apparent, 2 possibilities in 26B/9

Extended ~~2000~~ 1st 10 cm of 26C extension had no sherds, expanded pit to 0-20 cm

26C continuing to excavate in 10 cm levels checking if rocks found are tumble or part of a wall or surface

26B 10 cm levels to see if can locate the edge of ^{BRIOCHÉ} ~~the~~ surface or a wall

26C/10 Not as many rocks in this 1x1 m on any of the levels

11 seems to be more than were in the previous level but they seem to be smaller than ^{one in} ~~the~~ the 30-40 cm level in the 1x1 m W of it. ~~Big~~ large stones ~~at~~ on line between the 2 1x1 m

26B finding many sherds and small rocks on northern area of the pit below the level of the stones in BRIOCHÉ surface

26B Sherds increase in numbers 40-50 cm than in 30-40 cm. Having them take it down another 10 cm.

26C Sherds fewer in 30-40 than 20-30 but still are many and some are fairly large so am having them take it down another 10 cm.

26 B/8 1x1 m extension south of 26 B/6 chasing ~~BRTOCH~~
Surface to south

/9 1x1 m extension N. of 26 B/6

/10 1x1 m extension N. clearing over stones

/11 0.5 m x 1 m extension 0-15 from surface and 10-20
in front of stones in ~~Q. 1st~~ m of pit

/12 15-25 cm as measured in SE corner

/13 25-30 cm

/14 30-40 cm

/15 40-50 cm

26 C/6 ~~6~~ Cleaning over stones in a 1x1 m extension
N of original pit, following RYE Surface
= EMPTY LOT

/7 1x1 m ext. ~~of~~ of original pit

/8 ~~Among~~ Among stones in southern 0.4 m of original
1x1 m pit 10 cm → base of excavation

/9 1x1 m extension E 0-20 cm

/10 20-30 cm

/11 30-40 cm

/12 40-50 cm

/13 50-60 cm

June 27, 1944

26C 50-60 cm down is yielding more sherds than any other level alone and almost more than all of them combined. There are also flecks of carbon and jute. This may be a midden deposit. Took a flotation sample at approx 55 cm below ground surface. Many of the sherds are quite large and some appear to be painted.

26B 40-50 yielded more sherds than any of the previous lots had. 50-60 contained one large sherd that is part of the base of a vessel and has part of a leg on it. Took a flotation sample from this ~~area~~ pit too although there does not seem to be the concentration of sherds, etc that is seen in the similar level in 26C

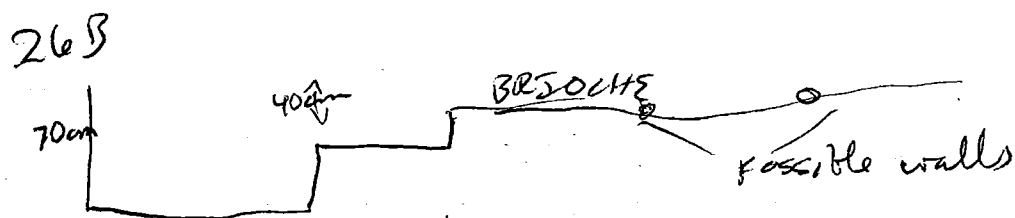
The soil in both pits is much browner than it was in the upper approx. 50 cm.

84-16-B 1, 2 26C PUMPERNICKEE wall and CHALK surface; facing west

84-16-B 3, 4 26B BRIOCHE surface, facing west

The soil change in 26C is very distinct from dk brown, almost black with many ^{crumbled} stones ~~above~~ above 50 cm to med brown clay with few stones below 50 cm. There is a ~~level~~ level. The stones end that is even across the pit.

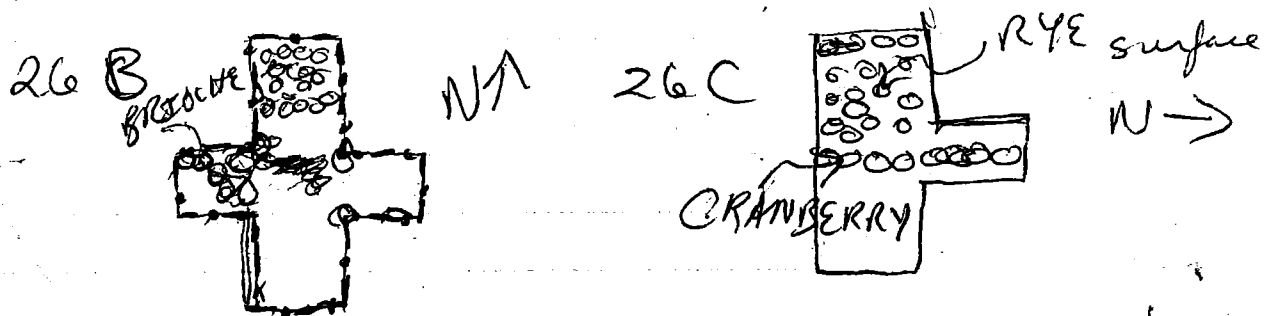
26B moved north 50 cm to see if there is a where BRIOCHE surface ends - lots of sherd cm below surface. 30-40 has a small piece of br



26C Came down on top of a series of large, flat stones that are in line with the similar stones in CHALLAH surface and appear to be laying on top of other, similar stone. This may be the wall rather than PUMPERNICKLE

26B Under rocks of BRICKHE surface very heavy concentration of large sherds, some obsidian, carbon flecks - though not enough to collect a sample - probably a midden Flotation sample

26C PUMPERNICKLE wall and ~~CHALLAH~~ ^{CHALLAH} surface ~~are~~ are no longer defined as such. ~~CHALLAH~~ CHALLAH surface appears to be the lower course of CRANBERRY wall which is seen in the extension.



Surface collections, Lots 26A/5, 26A/6 collected from remains of Str. 1 and from ground fallen into road cut

Large flat stones at base of heavy sherd deposit

Moved .5 m North in Eastern .4 m of the next
1x1 m square in 26B. Cut through half of the
fill to see if the wall lines show up in the
cut since they are not visible on the surface.

26C extended .5 m N.

Lot List

- 26 B/15 40-50 cm
 /16 60-60 cm
 /17 60-70 cm
 /18 10-30 cm below g.s. 0.5 m N-S x 1 m E-W re connects
 N. of previous lots.
 /19 30-40 cm in mound
 /20 10-~~20~~²⁰ cm below BRIOCHE surface eastern
 0.8 m of surface
 /21 20-~~35~~³⁵ cm SE corner - deeper elsewhere - flotation
 /22 ~~35~~ 35-40 cm SE corner
 /23 15-35 cm below g.s. in eastern .4 m x .5 m North
 of previous lot
 /24 35 - base of excavation
- 26 C /13 50-60 cm
 /14 60-70 cm
 /15 70-80 cm
 /16 0-20 cm 0.8 m E-W x 1 m N-S east of PUMPERNICK
 North of pit in which it was located
 /17 20-30 cm
 /18 30-40 eastern .4 m of pit
 /19 0-20 cm .5 m extension W, following
 /20 20-30 cm eastern .4 m of pit

June 28, 1984

26 B Continuing with lot 24, no wall is visible yet but I am having them leave one large stone in place to see if it lines up with any other ones. There are large shreds among the stones so it is probably not part of a wall. There appears to be a layer of trash 10-15 cm deep, approx 30-40 cm below ground surface that was later covered by construction BRICK surface and the stones north of it that may be a wall or tumble.

26 C Cleaning off CRANBERRY wall for photos BANANA surface
84-16-B 5, 6 CRANBERRY Wall, facing south

extended .5 x .8 m North of previous lot, follow CRANBERRY, looking for a corner

26 B continuing cut up eastern half of the northern section of pit, looking for walls.

26 C 122 Removing tumble east of CRANBERRY, down to base of excavation
121 = EMPTY LOT

26 B 3 flat stones, lying flat & are stacked - possible wall
Removing stones in front of them

26 C extended .5 x .8^{N-S} m North of previous lot following CRANBERRY wall and surface in front of it = BANANA surface

26 B Removing flat stones. May have already cut thru the wall which, from the section appears to have been a base of large stones in front of several layers of.

smaller flat stones. These lines correspond to lines of stones visible on the surface that were used to set up the outlines of the original pit

26B ~~at~~ continuing cut .8 x .5 m square north of previous lot

26C lot 23 will include everything from surface to base of excavation in front of CRANBERRY and over BANANA. There are very few shreds in the lot.

The stones in CRANBERRY are smaller as it extends north. BANANA surface rises to closer to the surface the further north it goes.

26C extended .5 x .8 m north, following CRANBERRY. Wall line is harder to see and may now be in tumble off north side but there has not been any obvious corner yet — ^{and also} 10 face found in this area 26C/24

26B ~~then~~ continuing the cut 30 cm - base of excavation.

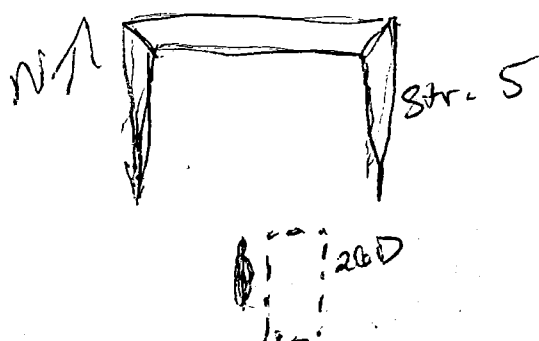
26C Possibly have reached the corner. Will extend the pit ^{another} 1.5 m North to see if there are rocks there.

26B Extended cut as far north as pit goes, 5-25 cm. ~~are~~ Inside the structure and there appears to be internal construction

26C ~~Corner~~ Corner is further south than extent of pit. Will work back south when they finish the lot they are

26C extended .6 x 1^{ew} m West of previous lot.

26 D 1 x 2 m pit on south side of Str. 5, looking for trash + architecture. This structure has no elevation so the pit was placed south of the last stones visible on the surface. The northern end of the pit is approx. 20 cm south of the line of stones



26 C 1.5 x .6 m ext S of previous lot, looking for wall + corner

26 D extended 1 x 1 m South trying to find end of stone tumble
 1st 10 cm no shreds, no rocks extended lot to
 1st 20 cm

Lot List

P84-16-43

26 B / 24
/ 25
/ 26

/ 27
/ 28
/ 29
/ 30

same as yesterday

.5 x .5 m north of previous lot 10-30 cm
30 cm - base of excavation in front of possible wall.

.5 x .5 m north of previous lot 5 cm - 30 cm
30 - base of excavation
.5 x .5 m ~~ext~~ n of previous lot 5-25 cm
25 cm - base of excavation

26 C / 21 .5 x .8 m extension n of previous lot, ^{0-20 cm} over stone
= EMPTY LOT

/ 22 20 cm - base of excavation
/ 23 .5 x .8 m ext. n of previous lot 0 - base of excavation
~~24~~
/ 24 .5 x .8 m ext n of previous lot 0 - base
/ 25 .5 x .8 m ext. n. " " "
/ 26 1.6 m E-W x 1 m N-S ext. W. of previous lot
/ 27 1.6 m E-W x .5 m N-S ext. S. of previous lot
~~28~~ / 28 .6 x .5 m ext

26 D / 1 0-20 cm s. 1x1 m ^{squares} ~~pit~~ of 1x2 m pit
/ 2 0-20 cm 1x1 m ext. south of / 1

June 29, 1984

26B continuing cut deeper, beginning at southern edge of cut 40-50 cm below g.s.

26C continuing extensions ^{south} ~~back~~ towards the ~~exc.~~ wall, looking for the corner.

26B/31, 32 many shreds, flecks of carbon

26C extended 1.6 x 1.6 m west along possible wall line. Expanded lot by .4 m ~~to~~ S because the wall line was not apparent in the 1.6 x 1.6 m area.

Continuing cut in 26B north, are now in the area below BRIOCHE surface which produced the enormous 26B/21 and 22. Am having the workman leave the large, flat stones in place for the moment and simply dig around them to see if they mean anything.

26C The wall line is not evident. There seem to be several lines of stones but none of them appear to be connected to ~~the~~ CRANBERRY wall at any point. Also none of them extend for more than a couple of stones in any direction.

26B continuing the cut. ~~cut~~ ~~was~~ 50-60 cm below g.s. in area under BRIOCHE surface.

26B/35 - carbon sample

26B continuing cut. 60-70 cm will not take it to base of excavation ~~area~~ because the last 10 cm in the previous 2 sections yielded very few shreds

26C Starting at north edge of tumble and are working south towards the area where the wall line should be to see if it is visible when approached face on.

26B finding a lot of bajareque 26B/36, 37, 38, as well as many sherds.

26B Sherds fewer in this area of the cut than they were ~~fewer~~ in the next square south

26B wall in front of probable inner construction = PITA

Lot List

- 26 B/31 .8m^N x .6m^{E-W}, 40-⁵⁰ cm below ground surface below 26 B/22
- 132 50-60 cm
- 133 60-70 cm
- 134 40-50 cm .5m^{E-W} x .7m^{N-S} north of previous lots, - under 26 B/22
- 135 50-60 cm
- 136 60-70 cm
- 137 70 ~~cm~~ base of excavation
- 138 40-50 cm .5 x .5 m north of previous lot
- 139 50-60 cm
- 140 60- base of excavation
- ~~141~~
- 26 C/29 .6m^{E-W} x .7m^{N-S} extension south of previous lot 0cm - base of excavation
- 130 .6m^{E-W} x ~~1~~ m extension West of previous lot
- 131 ^{1.5 x .5m} next North of previous lot
- 132 .5 x .5 m square in ~~western~~ eastern area of tumble at north of pit
- 133 .5 x .8m^{N-S} square S. of 1
- 134 .5 x .7 E-W m ~~at~~ on W. side of pit

June 30, 1984

84-16-D_{5,6} - ^{26B} PIT A wall, probable inner construction,
facing North

26B - continuing 26B/41

26C - Moving south towards ~~the~~ probable wall line, .5 x .4 m
south of 26C/33, removing tumble left in ~~26C~~ 26B/33
as well.

26D Taking southern 121 m square down 10 cm. Large concentration
of jute in SE corner from 20 cm down, also jute elsewhere

26C When wall is located, will go down to try to find base and
then follow it to the west for a little ways

26B/41 Bone tool fragment, looks like an awl or large
needle, 5.5 cm long

26E 1 x 2 m pit on south side of Str. 16.
Set up south of a line of stones, oriented
parallel to the line. There is a square cement
marker of some sort 90 cm west of the pit that
may have disturbed the soil around it when it was
put in place.

26D 30-40 cm soil color much redder than
the upper 30 cm, more stones.
Extending pit .5 m S. to see if the stones
continue at that level to the south

26E/1 some sherds + jute but no stones in 1st 20 cm
moving 1 m N -

26 F 1x2 m pit west side of Str. 9 approaching line of stones visible on the surface

26 A/7 Surface of Str. 9, = metate fragment

26 C Wall still not apparent, moved workers over .4 m west to approach the area again

26 D large deposit of jute across pit 20-30 cm.

26 E 20-30 cm yielded many sherds, am having them take it down another 10 cm. There are no stones in this area, just sherds

26 C The missing wall is very frustrating. I can't see it anywhere. Under the tumble the soil is a different color, redder and there are more sherds, which makes me think I haven't hit the wall yet

26 A / 7 Lot List
 surface str. 9
 50-60
 26 B / 41 ~~0-20 cm below~~ ground surface at SE corner, .5 m x
 142 15 m in front of PTD line
 143 80-80 cm
 144 70-80 cm
 80 - base of excavation

26 C / 35 .5 x .4 m south of 133, 10 cm - base of excavation
 136 .5 x .6^{N-S} m east of previous lot

26 D / 3 20-30 cm below ground surface
 14 30-40 cm
 15 .5 x 1 m^{N-S} ext. south 0-20 cm
 16 20 - base of excavation

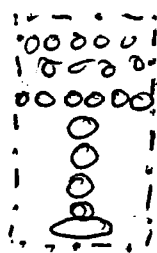
26 E / 1 0-20 cm S. 1x1 m square.
 113 0-20 cm N. 1x1 m square
 14 20-30 cm
 30-40 cm

26 F / 1 0-20 cm western 1x1 m square of 1x2 m pit
 12 20-30 cm

~~Sta~~ July 2, 1984

26C continuing to look for wall line, moved in another .4 m S of 26B/35. Wall line may in fact be further north where there is a line of stones that are flat and appear to be stacked on each other. There is also another line that was covered by the tumble or fill that runs NW-SE and includes a cut block. Name = ~~26C/35~~ CORN wall

26D There is a line of stones that runs down the center of the pit. There are also some flat stones, a little deeper on both sides.



cut.

Extending the pit on the east side along a possible wall line

26C The wall is still not apparent. Moved the workmen to clear str. 10 to open a new pit on it

26F In northern 1x1 m square there are many rocks and few shreds in the 10-30 cm level

Opened 26G 1x2 m pit on west side of str. 10. looking for architecture and trash

26E extended 1x1 m north, towards the structure

26D extended 1x1 m north of previous lot

The extension in 26D is to ~~fill~~^{see if} a possible corner actually is one.

26E/14 one sherd looks like it ~~is~~ is a part of a figurine because it has 2 feet resembling cat

Lot List

26 C / 37 14 x 6^m S of 26 C / 35
 138 14 x 6 E-W m extension N. on ~~eastern~~ western side of Jct

26 D / 7 5 x 1^m extension S. 0-20 cm
 18 20 - base of excavation
 19 5 x 1^m E-W ext. 0-~~20~~ base of excavation
 110 8 m N-S x 1 m E-W ext. East following a possit wall line 0-10 cm
 11 10-20 cm
 112 20 - ~~20~~ base of excavation

26 E / 5 40-50 cm
 16 50-60 cm
 17 0-10 1x1 m ext. North
 18 10-20 cm
 19 20-30 cm
 110 30-40 cm
 111 40-~~50~~ cm base of excavation

26 F / 3 30-40 cm
 14 40-50 cm
 15 50-60 cm
 16 0-10 cm 1x1 m square of original pit
 17 ~~10-20~~ 10-20 cm
 18 20-30 cm
 26 G / 1 0-20 cm w. 1x1 m square 1x2 m just

26 D / 13 ^{not dist} 0-10 cm 1X1 m extension North of previous lot
 114 10-20 cm

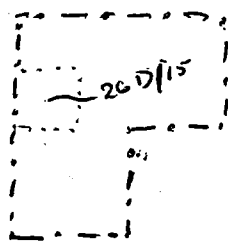
26 E / 12 0-10 1X1 m ext. W. of last lot
 113 10-20 cm
 114 20-30 cm

26 F / 9 30-40 cm

26 G

July 3, 1984

- 26 D The possible corner no longer appears to be a corner or a wall after the dirt on the eastern side was removed. Am having them remove the stones on the western half of the western square to see if a wall is visible in section



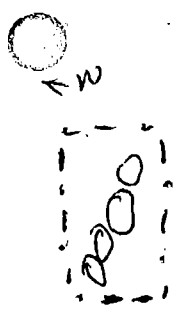
The 5x5 m square showed nothing but tumble so I am having them take out the rest of the 1x1 m square in the same lot

- 26 E / 17 clay bead and sherd w/ a face that looks like a monkey face on it

26 D 60-90 cm S, 30-70 cm E of NW corner of pit large concentration of sherds, all apparent from the same pot. There are many small rocks over, among, and below the area where the sherds are.

26 E extended 1x1 m N. } neither of these extends
 extended 1x1 m N. } have had any stones
 nor has there been any
 in the rest of the pit so I will move
 west in area of the greatest sherd concentration
 earlier

26 G extended 1x1 m E. In original 1x2 m square there were 4 large stones in a line



running roughly east-west but there were no smaller rocks and very few sherds associated with them. In the square north of these there are already more stones visible at 10 cm. These are small. There are also more sherds coming out

26 F extended 121 m north towards a line of stone visible on the surface. encountered what looked like a line but when removed stones in front of it, it did not look like a wall. Removing these stones also. The line visible on the surface is still east of the pit.

26 D at the bottom of ~~lot~~ 26 D/16 is a surface of flat laid cobbles with many ^{large} sherds on top of it
Surface = CLOVERLEAF surface

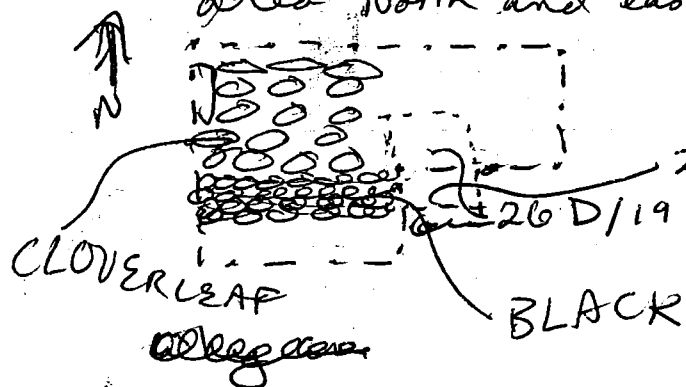
in the next lot, ^{26 D/17} further south along CLOVERLEAF there are much fewer sherds, expanding lot to 121 m to try to find the edge of the surface.

Extended 26 F .5 m E intersecting stone line so see if it is the wall

26 D The CLOVERLEAF surface ended .25 m into 26 D/17 and ~~there~~ there is a wall that is 4 rows of stone wide - 80 cm. The stones are very definitely laid in 4 rows. 26 D/18 consists of the .25 m south of the wall down to level of CLOVERLEAF on the other side. There were few sherds in the clearing over the wall but ~~are~~ more south of it, ~~extending~~

Following CLOVERLEAF east in 75m x 5m area north and east of wall line.

There are many large sherd in this area.



26D - extension - 1.5m east, following BLACK wall

26E 1x1m east w.

26G/4 Mans + metal fragments

26D/20 deposit of just above rocks in BLACK wall

Lot 2.15

26D/15 1x1.3 m N-S square below 26D/1
~~30-40 cm~~ ~~along western wall, 1 m from~~
~~end, 10 cm - base of wall, 30 cm~~
 116 30-40 cm
 117 30-40 cm, above CLOVERLEAF surface, 1.75 m E-W of
 26D/16
 118 30-40 cm on south side of wall, to level of CLOVER
 119 .75 m N-S K ~~26D/17~~ 30 cm base of excavation
 (50 cm)
 120 1.5 m extension east of BLACK wall 0-level
 121 0-15 cm wall 1.1 m extension N of CLOVERLEAF

26E/15 30 cm - base of excavation
 E/16 0-10 cm 1x1 m extension N.
 117 10-20 cm
 118 20-30 cm
 119 30 - base of excavation
 120 0-10 1x1 m ext. N.
 121 20-20 cm
 122 20-30 cm
 123 0-20 cm 1x1 ext W 2.3 m North of SW corner
 124 20-30 cm
 125 30 - base of excavation
 126 1x1 m ext west, 0-20 cm
 127 20-30 cm
 128 30-40 cm
 129 .5 x 1 m E-W ext. West, 0-20 cm
 26F/10 50 - base of excavation
 111 0-10 cm 1x1 ext. West
 112 10-20 cm in front of stone line
 113 20-30 cm
 114 10-30 cm rest of 1x1 m square
 115 0-10 cm .5 x 1 m E of extension West
 116 10-20 cm S. .5 x 1 m E-W
 117 20-30 cm

26G/1 0-30 cm
 12 0-20 1x1 m square
 13 0-20 1x1 m ext. E,
 14 0-20 1x1 m ext. E
 15 20-~~40~~ base of excavation
 16 0-10 1x1.5 E-W m ext.

July 4, 1984

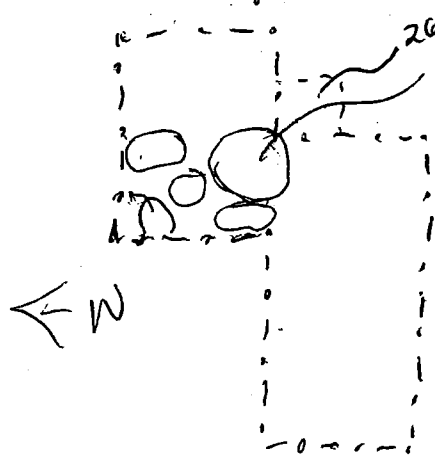
- 26E There does not seem to be a structure in the area of 26E although there are some stones on the surface. North of the area of the pit there are more stones but the ground looks like it has been disturbed so I am not plotting any pit in there. We will draw one wall of the pit for the soil levels and then backfill it.
- 26D The level above ~~the~~ CLOVERLEAF surface in the extension is very rich in sherds. There is also a bead that is blue on one side and white on the other and looks like it was made from some kind of shell. There are also some bone fragments. Both of these last two things have been put in zip-loc bags within the main lot bag.
- 26F Coming on more stones now, extended the pit .7m E-W x 1m N-S North to pick up some stones visible on the surface to see if they are part of a wall. So far it does not appear that they are.
- 26G Finally there are rocks. They mainly look like tumble. Very few sherds are coming out of this pit. Extended pit .5m E-W x 1m N-S E ~~at~~
Ext. .75 x 1m S following possible wall line
- 26F Flat laid stones that may be a surface, extended pit .5 x 1m N-S to east trying to follow the possible surface
- 84-16 D 7,8 West wall 26E - no chalkboard
- 26D line of stones on edge of CLOVERLEAF that may be another wall excavating N. of it to fill base

26F

What appeared to be a surface did not extend any further. Extending pit 1.6 x 1 m to the east intersecting 2 possible stone lines

26 D/24, 3 x 5 m E-W ext east along possible wall line 0-base of excavation, also 10 cm - base of excavation in the 1 m N-S x 5 m E-W south of extension in an effort to follow the wall line and expose more of the surface

26 F There is no wall apparent in this pit. The sherds come mainly from a level below the level of the tumble

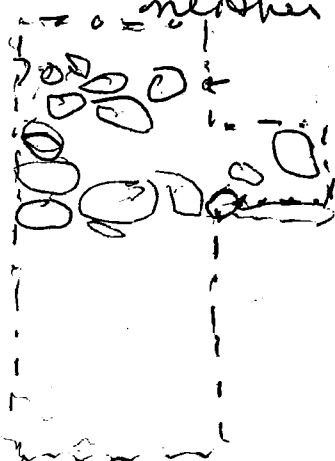


This is what we thought might be a surface but it did not continue either to the south or to the east

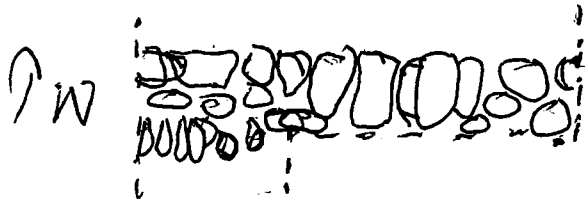
There are two stones in the walls on either side that may be part of a wall but they did not appear to be one when they were being taken out



26 G There are two rows of stones, although neither of them looks much like a wall.



26 D BLACK wall sketched from the top.



The wall at the north end of the pavement is probably a secondary construction with the fill over the first pavement being associated with the second one. Name = PUMPIN

26 F Probable surface = ~~CROISSANT~~ CROISSANT
Possible wall = ZUCCHINI

84-16-D 9, 10 26 E CROISSANT surface facing N.
11, 12 26 F ZUCCHINI facing East

Possible walls in 26 G = Western one = HAMBURGER
Eastern one = HOT DOG

84-16-E 1, 2 HAMBURGER, HOT DOG, facing east
3, 4 CLOVERLEAF surface facing S.
5, 6 BLACK wall facing S.
7, 8 PUMPIN wall, facing S.
9, 10 BLACK wall, facing S.

Drew section of 126 E D84-17-8
Drew section of 126 S D84-17-7

Looking at 26 C again, it looks like the wall was there and we had cut through it. Name = WAT wall

Lot List

- 26 D/22 15 - base of excavation
 123 45 cm - ~~75 cm~~ ^{stones} in .5 x 1 m N of line of
 124 .3 N-S x .5 E-W in east 0 - base, also 10 - base 1 x .5 E-W
 S. of east

- 26 E/30 20 - 30 cm
 131 20 ~~45 to 30~~ ²⁰ cm below 26 E/1
 132 45 - base of excavation

- 26 F/18 35 - 60 cm
 119 0 cm - top of rocks, 7 x 1 m ext W of previous
 lot, among rocks ^{to} 35 m
 120 .5 x 1 m N-S ext. ~~East~~ to level of stones
 121 .6 x 1 m N-S ext E.
 122 .5 x .5 m ext S

- 26 G/17 10 - base of excavation U .25 m of area
 118 0 - top of stone .5 x 1 m N-S ext - E of pit, among
 stones W. 25
 119 .75 x 1 m ext - S. clearing all stones
 1110 .5 x 1 m ext East of 26 G/18
 111 .5 x 1 m ext east

July 5, 1984

Drew section of west wall 26D - # D84-16-8
 elevation of BLACK wall 26D = # D84-16-9
 section of south wall 26C = # D84-16, 19-1
 Section of south west wall 26F = # D84-19-1
 section of north wall 26G = # D84-15-9

Took pictures:

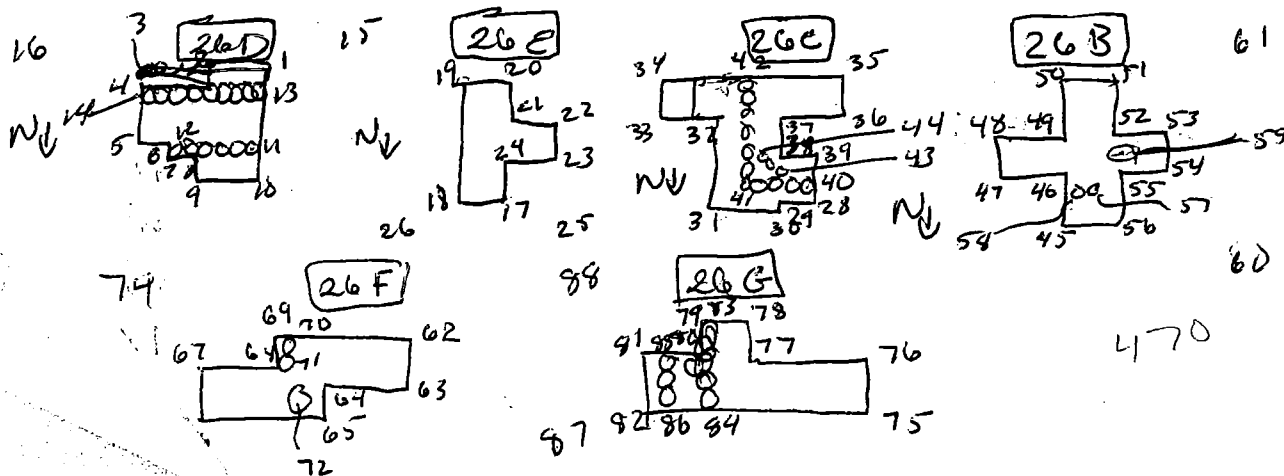
84-16-2 11, 12 26C ~~core~~ CORN wall facing west
 84-16-F 1, 2 26C ~~just~~ probable wall, facing south

Took slides of several of the pots

Shot the plan points

	Location	elevation	Distance	angle
1	26D SW corner	3.386	27.99	40°30'
2	SE corner	3.356	28.22	6°30'
3	SW corner E. ext.	3.455	29.22	6°0'
4	SE corner E. ext.	3.436	29.45	8°30'
5	NE corner E. ext.	3.506	31.70	7°30'
6	NW corner E. ext.	3.475	31.82	6°30'
7	NE corner NE. ext.	3.518	31.90	76°30'
8	NW corner NE. ext.	3.497	31.95	5°30'
9	NE corner	3.509 3.309	32.63	5°0'
10	NW corner	3.450	32.49	3°15'
11	W. end PUMPKIN wall	3.612	31.49	3°45'
12	E. end PUMPKIN wall	3.600	31.41	2°30'
13	W. end BLACK wall	3.737	29.62	3°40'30"
14	E. end BLACK wall	3.710	29.80	4°8'0"
15	88n.5 SE corner 3.370	3.370	28.66	6°45'
16	SW. corner	3.690	29.41	2°35'0"
17	26E NW corner	2.018	17.64	1°33'30"
18	NE corner	2.020	18.30	2°35'15"
19	SE corner	1.563	15.12	3°52'0"
20	SW corner	1.576	14.30	4°51'0"
21	SE corner W. ext.	1.702	15.33	5°43'15"
22	SW corner W. ext.	1.715	13.40	6°37'30"
23	NW corner W. ext.	1.798	13.93	7°34'30"
24	NE corner W. ext.	1.763	15.46	8°40'0"
25	88n.16 NW corner	2.407	19.45	20°45"
26	NE corner	2.554	22.03	29°15"
27	inst. height 1.510 28 ^{26c} NW corner NW ext.	1.684	4.40	1°63'45"
28	26C NE corner NW ext.	1.656	4.90	2°71'15"
29	NW corner N. ext.	1.620	5.20	3°69'30"
30	NE corner N. ext.	1.586	6.20	4°78'45"
31	SE corner N. ext.	1.453	5.10	5°12'00"
32	NE corner	1.425	6.70	114°00"
33				

66	NE corner NE ext	2.124	11.60	5 223°30'
67	SE corner NE ext	2.450	12.50	6 224°00'
68	NE corner NE ext	2.200	12.40	7 226°30'
69	SE corner	2.558	13.35	8 227°45'
70	N. end ZUCCHINI wall	2.292	13.00	1 227°15'
71	S. end ZUCCHINI wall	2.362	12.40	2 225°00'
72	CROISSANT surface - elevation	2.452		
73 str. 9	NE corner	2.092	11.60	221°30'
74	SE corner	2.308	15.20	224°00'
75 26G	NW corner	2.174	19.40	1 209°45'
76	SW corner	2.230	20.25	2 208°00'
77	NW corner S. ext.	1.806	17.80	3 198°00'
78	SW corner S. ext.	1.859	18.45	4 195°45'
79	SE corner S. ext.	1.722	18.05	5 194°00'
80	NE corner S. ext.	1.690	17.15	6 195°30'
81	SE corner	1.592	16.60	7 193°15'
82	NE corner	1.595	15.80	8 194°30'
83	S. end HAMBURGER wall	1.711	18.05	1 194°45'
84	N. end HAMBURGER wall	1.681	16.50	2 198°00'
85	S. end HOT DOG wall	1.732	16.90	3 194°45'
86	N. end HOT DOG wall	1.700	16.10	4 195°30'
87 str. 10	NE corner	1.558	14.40	1 193°30'
88	SE corner	1.679	18.75	2 187°00'



July 9, 1984

PS4-16-66

Soil testing

Sample #

8 foamed when Universal Extracting Solution was added to soil

Phosphorus test: 75 lbs/acre

Nitrate Nitrogen: 402×460

pH - produced a color not on the scale

15 Did not foam

Phosphorus test: 150 lbs/acre

Nitrate Nitrogen: 1st test - < 10 lbs/acre

2nd test = $10 < x < 20$

pH = 6.0

16 Did not foam

Phosphorus: 200 lbs/acre

Nitrate Nitrogen: 20 lbs/acre

pH = 7

17

14 Did not foam

Phosphorus: 150 lbs/acre

Nitrate Nitrogen: 105×20

pH = 7.0

Perhaps the reason why the pH and phosphorus counts ^{are not working out} and the reason why the solution fizzes when the soil and Universal Extracting Solution are mixed

is because the soils are alkaline. The color scale on the pH test goes up to 8, which is blue. The color readings on the samples that fizzed were purple, when and if they worked out. This may indicate that the soils are more alkaline than the scale goes to. ~~The~~ If the soils are alkaline, this may also explain the reaction produced when it is mixed with the Universal Ind. sol. if it is an acid because the reaction is very much like what happens when baking soda and vinegar are mixed. If the soils are alkaline, this may also explain why the phosphorus test appear to be opposite of the expected ~~at~~ value distribution because in the ~~the~~ instructions for the test, it states that if the soils are alkaline, another test must be used, which was not included in the kit.

I have not done the test for potassium because it is temperature sensitive and it is too difficult to regulate the temperature here.

July 10, 1984

Soil testing

Sample #

9

foamed pH - not on scale
 phos. -- 200 + lbs/acre
 Nitrate N. Nitrogen = $10 < x < 20$

10

did not foam pH = not on scale (purple)
 phos = 100 lbs/acre
 Nitrate N. = 20 lbs/acre

11

did not foam pH = 7
 phos. = 200 lbs/acre
 Nitrate N. = $20 < x < 60$ lbs/acre

12

did not foam pH = 7.2
 phos. = 150 lbs/acre
 Nitrate N. Nitrogen = $20 < x < 40$

13

did not foam pH = 7.0
 phos = > 200 lbs/acre
 Nitrate Nitrogen = 20

17

did not foam pH - not on scale
 phos = 150 lbs/acre
 Nitrate Nitrogen = $40 < x < 60$

The relationship between foaming, pH, phosphorus is no longer as clear seeming as it was yesterday but there still seems to be a relationship. Sample #17, which did not foam and had an unreadable pH was simply not a strong enough color to discriminate rather than being a purple as ~~the~~ #10 was as well as other samples tested earlier.

General Notes on the soil testing

Sample size — only a couple tablespoons at most are needed for the tests, including extra soil for retests when mistakes are made. More is collected than is necessary because of the multiple cores used in each sample to provide an average amount of the nutrients being tested over the area.

Sample processing — Samples collected in plastic bags marked with Sample #, Site, sample location, date. Dried on ~~a~~ sheets of paper marked with same info. Need to be sure that the large lumps of soil are broken up before they dry because they are very difficult to break up afterwards. After the samples are dry, they ~~are~~ get sifted through a ~~a~~ piece of window screen and the lumps that are left are thrown out.

Tests — The test for pH works sometimes, depending on how much clay is in the soil (I think). It seemed as if the finer the soil particles, the less likely the pH test was to work because the particles would not settle out. The coarser samples seemed to work better. The instructions say to fill the test tube $\frac{1}{3}$ full of soil but this is too much, it never settles. It is better to put about

$\frac{1}{3}$ of the measuring cup in the test tube with the demineralized water.

Phosphorus test - The test is fairly straightforward. It is important to read the color immediately after the tablet dissolves because it continues to get darker until they are all the same color.

Nitrate Nitrogen: No major tricks to this test.

Potassium test - It is possible to do this test but, because it is temperature sensitive, it is difficult to know if the results are accurate because there is no way to insure that the temperature is within the tolerance levels.

For most samples, 7ml of the General Soil Extract is sufficient, occasionally more is necessary, if a mistake is made with the first batch.

Some soils react "volcanically" when mixed with the Universal Extracting Solution - a reaction that resembles the mixture of baking soda and vinegar. If the lid on the vial is not held on ^{while being mixed}, it has a tendency to pop off and spray the contents across the room. Even when the lid is held on, the gas will pop it off at least once during the ~~shaking~~ mixing.

I found the most efficient way to go through the tests was to make up as many vials of the General soil extract as there were funnels, vials, etc. at the same time and do the tests on these and

then make up another set, etc.

The colors on the color card are usually much stronger than the colors in the actual test, but you can ~~say~~ usually tell what it is close to. Occasionally it is a matter of guesswork to figure out the color, especially on the pH test.

The test tubes break very easily. ~~and~~