2004

PVC-005-Urban-Field Notes-2004

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① 22 April

New subop: 37S. Placed on W side of of axial
37S trench EU 11, and W of 37L. To follow
METROCENTER to the W, excavating along
N face of wall.

Top 10 cm has few artifacts. Cannot clearly see
construction either. Am going down lower, in
same lot, to see what may be the end of METROC.

Adding an EU to S of EU1, to pick up the
SW corner of TACOMA PARK.
EU6: on ground surface, rock line shows, but
could be slipped/sprung rocks. Same for rocks in
EU5. Rather than lift the rocks, we are
opening 6 to check the putative line

37L Following CARDOZO: with 10cm earth removed, the
37L rocks look tumbled and irregular. Workers are
clearing lower among and E of rocks, looking
for a clearer line. Am continuing lot 37L/014
since it is all TD.

(37N/010 In lot 37N/010, possible SLAG -- piece of
quartz, melted, w/ probable iron coloring.
Later -- some strange rocks, NOT Slag.)

37L CARDOZO seems limited to a possible circle of
rocks in EU3. "Following" CARDOZO seems to
have landed us on top of a N-S line that may be
related to the E basal line, or the E summit edge

Have added EU8, to N of EU7. It is irregular:
1.25 m EW x 0.9 m N-S. Following unclear KTMS
construction.

22 April 04

37N Excavation EU 5, W of clear part of SPRINGFIELD
IN top 10 cm, BJ, a few sherds, perlite chips, and
SLAG -- appears to be a secondary piece, very
twisted and eccentric and blobby. It broke in
excavation, and seems to have a core of quartz.
Bagged separately.

37Q Followed FRANCONIA, sandy, but seems to end
in EU 3. Adding EUs 4 + 5; will dig
5 first

EU 5 seems to have W basal line, but tumbled
a bit. We are adding units to the N, along
the putative basal line (ROSLYN). Next
excavation is in EU 6, N of EU 5

(3)

Str. 247 22 April

37Q/004 EU 2 following FRANCONIA to west
37Q to 62 cm below datum

37Q/005 EU 3 following FRANCONIA to west, down to
37Q 62 cm below datum, single lot

37N/009 EU 4 following SPRINGFIELD N, to 76 below Dat

37N/010 EU 5, placed to W of EU 4, trying to find W side
Springfield, 10 cm level to 50 cm BD
37N/011 EU 5 going deeper, looking for W side SPRINGFIELD
to depth of 71 cm BD

37Q/005 EU 3, following FRANCONIA to W, mostly on S side
down to 58-62 cm BD
37Q/006 EU 5, skipping EU 4; moving W to encounter W basal wall
37Q/006 dug to 58 cm BD
37Q/007 EU 6, following W basal line (ROSLYN) to N
dug to 49 cm BD; only 1 piece of chert
37Q/008 EU 4, going deeper to find W basal wall

37L/014 EU 7 following CARDOZO to North, depth 101 cm BD
37L/015 EU 8 following CARDOZO, we think, TO N; odd shaped
unit 1.25 m E-W X 0.9 m NS; 90 cm BD
37L/016 EU 9, located W of EU 6, to cm BD

37S/001 EU 1 following METROCENTER to W, along its N face
down to 18 cm BD; W of axial @ its EU 11
S/002 EU 2 looking for W corner TACOMA PARK to 18 CM
BSD

D 23 April 04

37N 37N is in EU 7. They followed SPRINGFIELD N, and have hit a cross wall (E-W) SMITHSONIAN. SPRINGFIELD is in poor shape to the N of its corner with FRANCONIA.

SMITHSONIAN has 1 course of rocks, and seems to be high, floating on dirt, compared to the other features/construction units. There may be a 2nd line behind it, to the N
SMITHSONIAN seems to stop @ E edge of axial -- about 2m E-W

37T In EU 3, TACOMA PARK seems to stop; but there is no clear N-S side line. In same lot (T/006) going down deeper to look @ the mass of stones cleared in 1st 10 cm

At the end of EU 3, there is almost no dirt among the rocks -- perhaps an animal burrow, but the workers say no.

37Q 37Q is in EU 8, following a possible basal wall. It is called CHINATOWN, and may be an extension of ROSLYN (seen in 37U), or VIRGINIA SQ. (also seen in 37U, an E-W trench coming @ the str. from the W.

The wall base rises to the N, as does the ground surface.

As of 2:10, CHINATOWN is looking bad. We are in EU 9, and have only a smattering of small rocks, not in line w/ the big ones of CHINATOWN, which seems to stop in EU 8. There are bits of BJ in the earth @ the bottom of EUs 8+9 (about 35-40 cm BD), and a few in the excavated part of EU 9 [previous EUs produced only a few lithics, as few as 1 chert chip].

Q+N+T

[illegible]

② 23 April 04

37W New subop, placed on N side FRANCONIA; following FRANCONIA to the West.

FRANCONIA continues to be shallow & easy to follow. First lot in EU 2 not completed on FR1.

37S 37S is on EU3, to W of EU2. Following a small linear rocks that appeared in EU1, and the material to its west. The small wall is DUPONT CIRCLE

EU1+2 clarified the W ends of both METROCENTER (on the N) and TACOMA PARK (on the S). The 2 wall have 2 lines each w/small stone fill between their 2 lines. Where the 2 construction features converge, the small space in between them is paved with small rocks. It is possible that the space between the 2 (METRO... and TACOMA...) had been paved as well.

@ 3: DUPONT is a small construction unit about 3 stones E-W and at least 1.5 m N-S. Other rocks are on the W margin of the EU, but look disorganized @ present.

S/W

23 April

37L, EU9 New unit is 85 cm E-W x 1.0 m N-S Following CARDOZO to the W.

- 37M 012 37 N, EU6 Removed 10cm topsoil, will continue down to clarify the tumble. Final depth: -48cm BCD. Found BJ, lithics.

- 37 Q | 007 EU 6 Following basal well to the N to hopefully join ROSSLYN. Here, the well has continued. Found sherds, BJ. Continuing N in EU7 to pursue the well. Final depth: -67cm BCD. (Pat has 49 cm)

- ? 007 37 Q, EU7: New unit is 1m x 1m, following CHINATOWN to the N.

- 016 37 L EU9: Removed 10cm topsoil, will continue down to level the GS w/ the other units. Found sherds, bajareque, lithics. Final depth: -92cm BCD.

- 37 S | 002 37 S EU2: Removed another 10cm to expose the corner. Will continue W to find new construction feature. Found BJ, lithics. Final depth: -18cm BCD.

- 37 S | 003 - 37 S EU3: Moving W to chase new feature. Unit is 1m x 1m. Feature is DUPONT CIRCLE

- 017 37 L EU10: Removed 10cm topsoil in new unit, for a final depth of -96cm BCD. Found BJ/ lithics. Moving to next EU that is 90cm E/W x 1m N/S.

- 008. 37 Q, EU7: Took off 10cm topsoil, exposing the well line. Removed some tumble and continued down. Final depth: -46 cm BCD. Found ~~nothing~~. Sherds, BJ

- 012 37 N, EU6: Cleared down to the level of the previous EU. Final depth: -46 cm BCD. Moving into the next EU to chase a well N. Found bj, sherds, lithics.

@ 23 April

- 37 EU7Q/009: Cleared down to the base of the previous EU. Found a small amount of BJ; final depth of -61 cm BCD. I'm moving on to the next EU N to meet up with Rossly/N.

S EU3/006
Q EU8/010
N EU7/013 - 375/007 in EU3, following DUPONT feature, to N-S line base is 17 cm BD (S datum)
W EU1/001
T EU3/005 375/008 EU4, to N of EU 3, following DUPONT C. to N, to 77 cm from the N Datum
- ~~Unfinished~~ Fri.

- 37U/001 following FRANCONIA on its N side, to the W wall, 25 cm BD on N side EU1 to depth of 30 cm BD @ EU1
Unfin. Fri - 37U/002 EU 2, following N side FRANCONIA to W, to 35 cm BD

- 37N/013 EU7 clearing S side SMITHSONIAN, to 30 cm BD; small lot
- 37N/014 EU7 clearing S side of SMITHSONIAN 30 to 51 cm BD
Unfinished Fri 37U/015 EU8, moving W on South side SMITHSONIAN N 95 to 44 BD
Also see 26 April lot list

- 37T/006 Following TACOMA PARK to E, in EU 3, to 42 BD
- started 37T/007 EU4, S of EU 2, following possible E wall line
Fri not finished [really not begun]

- 37Q/009 in EU8, to 36 cm BD, following CHINATOWN, 3 chert chips
- 37Q/010 in EU9 to 36 cm BD, following CHINATOWN
- 37Q/011 EU8, 36 - 42 cm BD, looking for CHINATOWN
~~Unfinished Fri~~

① 26 April

37 Q The trench continues to chase W basal line. In BU 9, have gone below BJ surface (contrary to directions) & are removing rubble to the E, pushing in to look for line.

In EU 9, the W basal line seems to be clear. Will go deeper to see base. This is called CRYSTAL (since it is not in line w/ CHINATOWN.

CRYSTAL has no stones lower than those seen @ about 54 BD. Will move back to EU 8, to see more CRYSTAL & look for NW corner of CHINATOWN.

37N SMITHSONIAN feature stops at the edge of the axial trench. It is preserved to a length of m, EW, and seems to corner w/ SPRINGFIELD. We are in EU 9, located immediately E of EU 6, trying to clarify SPRINGFIELD.

10:40 SPRINGFIELD continues in EU 9. We are terminating 37N. The workers of 37T will examine SMITHSONIAN – SPRINGFIELD junction. SMITHSONIAN appears to be later than SPRINGFIELD, and its base is higher even than the base of TACOMA PARK. T.P is, in turn, higher @ its base than METRO CENTER.

37AB EU 1 is placed immediately S of EU 3 of 37S, following DUPONT c. to S. There is also a possible second line along the W side of the EU, first seen in 37S, BU 3.

② 26 April 04

37S In S, a EU has been added to N of EU 4; thus its E edge is 1 m W of Wedge of axial trench. After removing topsoil (37S/009), are going deeper to see if DUPONT continues to the N. The top of DUPONT is approx. @ the level of the middle to bottom of TACOMA PARK and METROCENTER. Therefor DUPONT may predate those 2 construction units. DUPONT may have been covered in the last version of the Sr.

In EU 4, DUPONT is in poor shape, but a Pachuca blade came from the bottom 10 cm of the excavation. IN EU 6, to E of EU5, between it & axial, have gone down 2m to top of BJ level. DUPONT is apparently covered by BJ.

37T The E end of TACOMA PARK was found in EU 2. EU3 is looking @ the TACOMA PARK-SPRINGFIELD, or @ least an Eastern summit wall, junction. In EU 2, the men found that no earth was around the W edge of the N-S feature, the eastern summit line. This continues in EU 3. Apparently a root passed through, disturbing construction. There is a depression on the surface above the area that lacks soil. IN EU5, SMITHSONIAN does not appear. In the W side of EU5 is a high set of small rocks, possibly a pavement. Will extend to EU6 to examine.

37W In EU3, FRANCONIA hits a N-S running construction unit, the E side of a "rock block." We will next move N along the new line, looking for its NE corner.

The new line is VAN NESS; runs N-S. Moving into EU4 to follow it to N.

S, T, W

③ 26 April 87

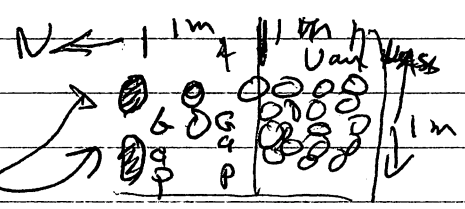
37S Workers have dug in EU5 to 87 cm B ~~South~~ North D, following DUPONT C., which seems to be in poor condition. A wide blade of Pachuca obsidian came from the lower 10 cm of the lot 37S/010.

IN EU6 we are taking it down to BJ level to see relationship between BJ and DUPONT C.

BJ level covers DUPONT C. in EU6, but it didn't in EU5 to the S of 6. The BJ seems to come up to METRO CENTER, then stop. S of TACOMA PARK BJ level is lower, though it may not come as far. Nas TACOMA.

37T In EU6, there is no sign of a N side to SMITHSONIAN. SMITHSONIAN seems to be one rock thick N-S, & floating high in dirt. There is another high construction feature, made of small rocks, in the W side of EU6. Will pursue this in EU7, to be placed just W of EU5, so that it joins w/ axial trench.

37W IN 37W, VAN NESS may be only 1 to 1.3 m long N-S. In EU7 there seems to be ~~[illegible]~~ a ~~[illegible]~~ gap between VAN NESS and next 2 rocks, then between those 2 and next possible line.



The 2 small rocks are "floaters," & were removed. The large rocks do make a line, w/ a space between them and N edge of rock construction. Edge named.

S. TIW

@ 26 April

37AB EU 1 placed S of EU 3 of 37S; and its E edge is 1m W of axial's W edge. following DUPONT to S. Few rocks visible in top 10 cm.

Going deeper, same lot #, little is appearing by 1:20.

AB terminated @ 1:50. The end of DUPONT is in EU4 of 37S.

37Q Have dug below base of CRYSTAL C. in EU 9. Moving S to EU8, to examine CHINATOWN -- looking for its NW corner. Also trying to see if an E-W running set of rocks visible in EU 9 is a construction unit or not.

1:10 IN EU8, there are 2 stacked rocks that look like a NW corner for CHINATOWN. Unfortunately, there is nothing below them, and the base of the lower one is higher than the base of CRYSTAL.

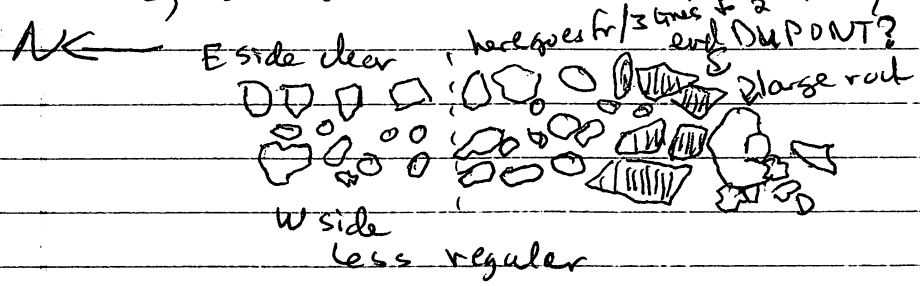
Projecting out to the W of CHINATOWN's possible line is a lower level of rocks, flatter in appearance than the tumble above it. This may also be a line

1:58 Inside tumble a line is appearing @ about where CRYSTAL's extension should be. CHINATOWN may have been imaginary; however, the 2 stacks rocks do line up w/ the large EU rock in 37W

[illegible]

26
@ ~~27~~ April

37S DUPONT C. is well-preserved on its S end. There it is 3 cobble / cm wide. A single large cobble (x cm) lies S of the probable end, & may be tumble or part of DUPONT. Overlying and slightly S of large rock are smaller ones, 10-15 cm in diameter. They look tumbles



The E side of DUPONT C. is clear for about 1.3-1.5 m as of 2:05. W side is less regular, particularly in EU 5. The 3 lines sort of continue N, but the W side wavers to E & W

37T In EU 6 there is a small construction unit taking up about 3/4 of the EU. It is 1-2 rocks thick, about 15-20 cm @ max. They are flat laid, and look like a small pavement. Their base is 14 cm BSD, about where the base of TACOMA PARK is, but higher than SMITHSONIAN, the base of which is 27 cm BSD. As w/ TACOMA PARK, there is BJ @ the base of excavation, @ 24 cm BSD. TACOMA PARK's base is 12 CM BSD. TOP of new feature FARRAGUT is 7 cm BD @ max

③ 26 April

37Q Moving N into EU 8 again, cutting down 8 to E trying to clarify the U side line

Adding EU 10, To E of EU 8, looking for U basal line; coming in @ present level ≈ 62 cm BD

37O Reopened O to look for bases of AU and BETHESDA. The BJ level is higher in this area than it is to the South. Also, the rocks of BETHESDA and TENLEY are higher than S. BETHESDA, BALLSTON, & VIRGINIA SQ. Looking to clarify stratigraphic relationships

(a)

24 April 19 ..

- 37W/003 EU 3 gs to 35 cm BD (c. Datum) following N side FRANCONIA to W, and following E side Van Ness Construction
- 37W/004 EU 4, following VAN NESS construction feature to N, to 27 BSD and on N side of
- 37AB New EU s of 37S, following DUPONT C, to S gs to cm BS South D

- 37S/009 EU 5, N of EU 4, ft gs surface in topsoil to 66 cm BD using N Datum
* 37S/010 second lot in EU 5, following DUPONT C. to N, 87 cm BD, from N Datum
- 37S/011 Moving into EU 6, looking @ E side DUPONT C, to 66 cm BND following top of BJ level.
- 37S/012 Piercing BJ floor, target @ DUPONT in EU 6, to 58 cm (donut)

- 37Q/012 In EU 9 to 44 cm BSD, coming down to BJ level
- Q/013 EU 9, to 54 cm B South Datum, and below BJ level + under tumble
- Q/014 EU 9, deeper to find base of CRYSTAL C., 65 cm BSD
- Q/015 EU 8, looking for CHINATOWN NW corner, to 47 cm BSD
- Q/016 EU 7, looking for CHINATOWN by removing rocks to 62 cm — Cleaning lot
- 37N/015 EU 8, on S side of SMITHSONIAN to its W end to 44 cm below S Datum also on 23 April last
- 37N/016 EU 9, to E of EU 6, trying to clarify SPRINGFIELD; to 50 cm B South D

- 37T/007 in EU 4, looking for possible E summit line, 37 cm BSD
- 37T/008 EU 5, W of EU 4, looking for N side SMITHSONIAN to 25 BD
- 37T/009 EU 6, between EU 5 and 4 (i.e., W of EU 5), looking @ new construction FARRAGUT, to 25 cm B South Datum

[illegible]

(5)

24 April 04 LOT List 2

~~37AB/002~~ 37AB terminated after 1 lot

- 37W/005 In EU 5, irregular unit 80 cm N-S x 1.2 m E-W, N of large rock line that lies 1 m N of N edge of VAN NESS, to 27 cm BSD
- 37W/004 Ble 6, to W of EU 4, looking for W end VAN NESS to about 63 cm BD
- 37S/013 From BT level to 50 cm BND, looking for E side DUPONT

- 37Q/017 EU 7, cutting E into probable tumble, looking for CHINATOWN &/or CRYSTAL; among rocks; to 49 cm BSD
- 37Q/018 EU 8, cutting into dirt (down) and E into tumble, looking for W str baseline; to 62 cm BSD

very small it as measured on dirt approximately @ base of what may be one

37T/010 Terminated after 37T/009

- 37Q/021 following DUPONT N, to about 58 cm BND, EU 1 UNFINISHED MONDAY

- 37O/ EU 6 Going down into BT level E of AU, N of 37O/009 BETHESDA rock block, looking for Construction unit bases. 10 ? cm BND

0

28 April All pits to W + S of stake

202HD/001 50X50 cm probe, 1st in line

topsoil to cm

soil hard, breaking into clumps

general color 10YR 3/1.5 very dark gray to very dark grayish brown

inclusions ≈20%, subangular, from silt to clay to medium sand, mostly fine

Shards, obsidian or perlite

HD/002 50x50 cm, 2nd in line

2 clear soil levels: topsoil and lower, redder clay, approaching even redder clay @ bottom

topsoil: 10YR 3/1.5 inclusions 15-20%, subangular, silt to medium sand

layer 2: 7.5YR 2.5/2.5 very dark brown

inclusions 25-30%, silt to coarse sand

angular to subrounded; many fine white particles

~~layer 3~~ mottled w/ redder + blacker areas to 5YR 3/3

layer 3 yellower, hard, micaceous

inclusions about 40%; silts and clay sized to medium sand, mostly white particles; angular to subrounded or even rounded; mostly subrounded

10YR 4/3.5

sherds; 1-2 very eroded; some possible color change from reheating

HD/003 50x50 cm, 3rd in line @ 10 m

3 soil levels -- topsoil as in previous pits

layer 2: reddish, mottled w/ gray 5YR 3/4 dark reddish brown

30-35% inclusions, silt to medium sand, mostly fine sand

[illegible]

28 April 04

202HD/003 continued -- particles angular to sub rounded, w/ a few rounded
soil hard, feels gritty & angular

layer 3 very hard, gritty, breaking into chunks -- can't crumble it
inclusions as much as 40% -- lots of very fine mica
sizes: clay to medium sand, but mostly silt size
sub angular to rounded
color 10YR 5.5/4 to 7.5YR 5.5/4
sherds & chert: sherds look worn; chert not clearly
used or shaped

202HD/004 @ 15m,
topsoil as before -- gray, hard, clay & silt
inclusions 15-20%, rounded to sub angular
some larger than coarse sand, up to 5mm
mostly silt & fine sand
color 10YR 3/2 to 2.5Y 3/2
Lara on drawing has 4 layers, dividing topsoil into
2 layers
Pat's layer 2 is Lara's layer 3
layer 2 hard, gritty, difficult to crumble, reddish
inclusions: about 30%, as large as 10 mm
very angular (the large pieces) to rounded
but most sub angular to sub rounded
lots of white & yellow-tan particles
soil mottled w/ gray
color 7.5YR 4/3 to 8.25YR 4/3; notes yellow as
10YR chart; brown
layer 3, hard, somewhat gritty
inclusions -- lots of mica; size is silt to medium
sand, though most are fine sand or smaller
very angular to rounded, but most sub-rounded

③ 28 April 04

202HD/004 to subangular

color 10YR 4/4 dark yellowish brown

sherds, apparently no lithics; a few sherds are discolored b/c heat; sherds in good condition

twice or 3 times the sherds in 001–003

rounded cobble, also 12 cm @ max

HD/005 @ 20 m

only 2 soil layers

layer 1 hard, full of roots, few visible inclusions, 5–15% inclusions, silt – medium sand, mostly fine sand; sub-angular to rounded

color 2.5Y 3/1.5 very dark grayish brown to dark olive brown

layer 2 hard, gritty, breaks into clumps

≈ 30–35% inclusions; silt to coarse sand angular to rounded, though most subangular to subrounded

somewhat mottled darker & lighter

colors 10YR 3.5/2 to 1.25YR 3/2 to 2.5Y 3/1 black

very dark to dark grayish brown

at very bottom coming to a yellowish layer

same as layer 2, w/ more mica 10YR 3.5/3 dark yellowish brown

sherds -- fewer than HD/005, more than 001–004

no lithics seen

sherds in good condition; poss. discolorations b/c heat

@ 28 April 04
202HD/006 @ 25 m
earth very hard -- difficult to get shards out
gradation from top to bottom, but basically
2 layers
shards go into lower layer -- shards doesn't
20-25 cm BGS
layer 0 gritty (somewhat), hard, clumpy
20% inclusions lots of roots
silt/clay to 1 cm, most fine to medium sand
angular to rounded, most subangular to
subrounded
lots of white inclusions
color: 2.5Y 3/1 very dark gray to 5Y 3/1 very dark
gray
layer 2 color 2.5Y 3/2 very dark gray to brown
otherwise same @ layer 1, but more yellow ~~tan~~ bits
artifacts: perlite
increase in shards -- more in dirt, but can't
be extracted due to hardness of dirt
there are more angular rocks up to 6-8 cm,
throughout both layers than in previous
units
also 1-2 cobbles up to 12-14 cm

202HD/007 @ 30 m
soil grades fr/ gray-black @ top to slightly redder @
base -- no clear dividing lines
layer 0 topsoil; lots of roots; few visible inclusions,
very hard, breaks into rounded clumps
5-10% inclusions; moderately sorted; sub angular to
subrounded
color 10YR 3/2 to 10YR 3/2 to 2.5Y 3/1 very dark gray

(5)

28 April

202HD/007 layer 2 hard, gritty

inclusions: silt to 5mm, mostly silt – fine sand mostly white; poorly sorted; mostly angular to sub angular, but also subrounded & angular about 20–25% inclusions

Color: 10YR 3/2 very dark grayish brown to 10YR 4/2 to 2.5YR 3/2, very dark grayish brown to 2.5Y 4/1.5

layer ② hard, very gritty; ≈ 40% inclusions; very poorly sorted; up to 12mm diam; angular to rounded, mostly subangular to subrounded; mostly fine sand to coarse sand, but down to silt & up to coarse sand for the majority -- larger than coarse sand not very common

color 10YR 3/3 dark brown to 2.5YR 3/2–3/3 very dark grayish brown to dark olive brown

this layer is @ base of pit

sherds in good condition; no lithics seen

202HD/008 Basically a gradation fr/ topsoil to a basal, more orange clay

35m layer ① hard, root-rich, chunky, few inclusions

inclusions less than 5%; mostly fine sand, but up to 3mm; poorly sorted; mostly subangular to subrounded

color 10YR 3/1 to 3/1.5 very dark gray, to 2.5Y 3/1

layer ② clayey, w/ fine mica, softer than ①

inclusions ≈ about 5%; mostly silt & fine sand; sub-angular to sub-rounded; moderately sorted

color 10YR 4/1.5 dark gray – dark grayish brown

Layer ③ @ base of excavation; hard, chunky

inclusions: very poorly sorted, up to 11–12mm diam, angular to rounded, mostly subangular to subrounded at least 40–45% inclusions; color 10YR 3/2 to 4/2

28 April 04

HD/008 Continued: a few angular rocks & small cobbles up to 10 cm

202 HD/009 @ 40 m; gradation f/ topsoil to particle-filled yellow-gray clay @ base

rocks to 20 cm BGS; rock size up to 10-12 cm

layer ① fine, clayey; roots; few visible inclusions

Inclusions -- rarely up to 10-12 mm; most fine sand & smaller; on the whole moderately to well-sorted; less than 5% inclusions; rounded to sub angular

color: 10YR 3/1 to 3/1.5

layer ② hard, slightly gritty; some roots

Inclusions: about 10%, up to 8 mm, but most silt to fine sand; angular to sub rounded; poorly sorted

color 2.5Y 3/1.5

layer ③: hard, gritty

Inclusions: about 30-35%; very poorly sorted; sizes are clay to 2 cm, mostly silt to medium sand; very angular to subrounded

color: mottled w/ black 5Y 2.5/1

main color 10YR 3/3 to 2.5Y 4/4

artifacts: lots of sherds in good condition; no lithics

202 HD/010 @ 45 m

heavy sherd layer @ 15 cm BGS; below that, a layer of small cobbles; after cobbles, into redder soil

layer ① fine texture, hard, few visible inclusions

Inclusions: silt to fine sand; less than 5%; rounded to subrounded; moderately to well-sorted

color 10YR 3/1 to 3/2

① 28 April 04

202HD/010 (cont.) layer ② very hard, breaks in clumps
inclusions: moderately to poorly sorted; 15-20%
inclusions; angular to subrounded; silt
to very coarse sand
color: 10YR ~~3/4~~ ~~to~~ 3/3 to 3/2, patches of 3/4
layer ③ inclusions poorly sorted; angular to subrounded;
up to 5 m, but most fine sand to coarse sand;
about 35% inclusions
color 2.5YR 3/3 - 3/4, approaching 10YR 3/4
artifacts: 1 piece perlite; goodly number of sherds,
in good condition; some altered colors f/ reheating

@50 m
202HD/011 again, gradation f/ black topsoil to redder
basal layer; grays & black go deeper here
layer ① same as layer ① in HD/010
layer ② very hard, breaks in sharp-edged pieces
inclusions: 20-25%; moderately sorted; sub angular to
sub rounded; mostly fine to coarse sand, w/ some
silt, & pieces up to 8-10 mm; mostly white
color mostly 2.5Y 3/2, w/ some 10YR 3/2 mottles
layer ③ reddish, mottled w/ gray
inclusions: poorly sorted; up to 5-8 mm; range silt
to very coarse sand, most in fine to medium
sand range; large white pieces up to several cms
across also seen; 40-50% inclusions; very
angular to rounded, most sub angular to
sub rounded
color: 10YR 4/3 ~~to~~ 4/4 more to 3.5/3
artifacts: 2 chert; sherds in good condition
debris; alteration due to heat.

[illegible]

⑧ 28 April

202 HD/012 @ 55 m

Very little change b/ top to bottom. Many fewer sherds. Increase in small white rock inclusions, up to 4 cm (at least)

~~[illegible]~~ layer ① inclusions heavier than 1011

Inclusions: moderately to well sorted; silt to medium sand; about 5%; sub angular to sub rounded; mostly white; some pebbles to 8 mm

Unlikely

color 2.5YR 3/1 to 10YR 3/1

layer ② sample b/ base

Inclusions: poorly sorted, up to 8 mm diameter; about 35% inclusions; very angular to sub rounded, most sub angular

color: 10YR 3/2 to 2.5Y 3/2

artifacts: sherds only, clearly w/ heat alteration

202

HE/001 @ 0 m

sherd level @ 10-12 cm BGS; below that is 2nd layer

base is yellow-brown clay

topsoil layer ①: inclusions up to 1.5 cm

Inclusions: poorly sorted; angular to rounded, but mostly sub rounded to sub angular; no more than 5% inclusions

color 10YR 3/1.5 to 2.5Y 3/2

layer ② inclusions: more mica; moderately sorted; rounded to sub angular; 10-20%, hard to tell because of fineness of inclusions; clay to coarse sand, but most in silt range, to fine sand

color: 7.5YR 4/2.5 to 10YR 4/2

layer ③ inclusions: poorly sorted; very angular to sub-rounded, mostly sub angular to sub rounded; lots of mica white flecks; about 35%; color 7.5YR 3.5/3

[illegible]

② 28 April 04

202 HE/002

3 levels; sherds @ 8-12 cm BGS; color change below sherds

Layer ① like layer ① HE/001

Layer ② inclusions: many fine white, in silt - fine sand range mostly moderately sorted, but w/ pebbles up to 1cm angular to subrounded; hard to tell % of inclusions due to fine mica & white stuff, but probably 25-35%

color: 7.5YR 3/2 to 10YR 3/2

Layer ③ gritty, mottled w/ gray & black

inclusions: lots of very fine white & tan particles make it difficult to access proportions, but it does probably 40-45%; poorly sorted; very angular to rounded, mostly sub angular to subrounded

color: mostly 10YR 3/4; some 7.5YR 3.5/3.5; dark blobs 10YR 2/1 to 3/1

artifacts; lots of sherds, many w/ color alterations

202HE/003 @ 10 m; 3 layers

Layer ① gritty; roots; more inclusions than most topsoil inclusions; moderately sorted; perhaps 10%; subangular to sub rounded; silt to medium sand

color: 10YR 3/1

Layer ② inclusions moderately sorted; about 10%, but could be more since it's heavy w/ mica that is silt sized; clay to coarse sand, mostly silt + fine sand; angular to sub rounded; pieces to 1cm

color 10YR 3.5/2

Layer ③ inclusions poorly sorted; very angular to subrounded, mostly subangular to subrounded; clay to very coarse sand to 6-8 mm, mostly silt to fine & medium sand; approx 35%

color: mostly 7.5YR 3/3 to 3/3.5, also 10YR 3/3

29 April 04

①

Since yesterday, 28 April 04, I completely described all soil levels, today I am going to focus on the clay levels, skipping topsoil. Soil is wet today was dry on 28 April

202 HE/004 @ 15 m

3 levels -- black/gray topsoil; transitional; red brown clay @ bottom of pit

layer ① topsoil 10YR 3/1 to 2.5/1, to 10YR 2.5/1

layer ② color 10YR 3/2

Inclusions: mica, fine white, mostly silt & fine sand

layer ③ mottled w/ gray & black; fine white particles, some mica, in clay-silt range, to fine sand

color: majority 7.5YR 3.5/4 to 10YR 3/4

black 10YR 2/1 to 7.5YR 3/1

202HE/005 @ 20 m

layer ① black topsoil 10YR 2/2

layer ② 7.5YR 3/2

layer ③ much fine white material in silt-fine sand range

some black mottling

color: 7.5YR 4/3

layer ④ basal clay mottled w/ black up to 40% inclusion, most in silt to fine sand range, black pits as small as 3-4 mm

Color 5YR 3.5/3.5 to 2.5YR 3/3 to 3/4

202HE/006 @ 25 m

layer ① black/gray topsoil

layer ② poorly sorted; ≈ 30-35% inclusions, angular to subrounded; many white particles in coarse sand range

color 7.5YR 2.5/2 to 3/2

layer ③ moderately sorted; largest inclusion coarse sand, most silt to fine sand; 30-40% inclusions, very fine; color 5YR 3/2 to 3/3

③ 29 April 04

202HE/7 @ 30 m ; red clay starts higher here, about 15 cm BGS

layers ① ② skipped

layer ③ poorly sorted ; most inclusions silt to fine sand, but up to 8 mm ; roughly 40% inclusions ; very angular to subrounded ; most subangular to subrounded

color : 5YR 3/3 to 3/4 ; and 7.5YR 3/3

202HE/008 3 levels, red clay high, ≈ 15-20 cm BGS ; shards @ 15 BGS

layer ① black topsoil

layer ② heavily mottled w/ gray & black ; poorly sorted ; very angular to subrounded ; sizes up to 1.5 cm

color 7.5YR 2.5/1 to 3/3

layer 3 : very poorly sorted ; very angular to subrounded, mostly subangular to subrounded ; sizes up to 1-1.5 cm

40-45%

color : 5YR 3/2 to 3/3 ; some black mottling

limestone & small cobbles to 8-10 cm in all layers

202HE/009 @ 40 m

clay (red) starts high, ≈ 20 cm ; little transitional layer here

layer ① : shards, small (1-3 cm) white rocks

~~same~~ layer ② like 202HE/008

layer ③ mottled w/ black & gray, from 2mm to ≈ 1 cm

very poorly sorted ; between 30-40% inclusions

many fine white particles ; mostly in silt - fine sand range ; max size about 1 cm ; very angular to subrounded, most subangular to subrounded

color : 5YR 3/3 to 7.5YR 3/3 (darker mottles, not black ones

202HE/010 @ 45 m

shards & small rocks (to 8 cm) @ 10-15 BGS

2a April 04

202HE 010 (cont.) little transition to red clay, which starts @ 20cm about
layers ① & ② as before
layer ③ mottled w/ black & gray fr/ a few mm to 1cm & in
streaks about 3-5 mm wide
poorly sorted, lots of small white pieces in silt-fine sand
size; about 30-35% -- hard to tell due to small sizes
color 7.5 YR 4/3 to 7.5 YR 3/3 to 5 YR 3/3

202HE/011 @ 50m Pit has lots of white flecks, up to carbon in layer ③
rock ≈ 5-8 cm, through all layers; red clay
starts @ 10 to 15 cm, w/ very little transition
layer ① more pebbly than other topsoil layers, w/ material
up to 5-6 mm / 1cm; very poorly sorted; silt to
coarse sand & larger; % difficult to judge due to
fine particles, but prob. 25-30%
color: 7.5 YR 2.5/1 to 2.5 Y 2.5/1
almost no transitional layer
layer ③ very poorly sorted; up to 1cm pieces; very angular
to subrounded; mottles of gray, & some solid black
bits @ 2-5 mm, also carbon flecks
colors: 7.5 YR 4/4, 7.5 YR 3/3 - 3/4

202HE/012 @ 55m Basically 2 layers; topsoil, about 12-14 cm
thick, & red clay. Rocks to 10 cm, including limestone
layer ① very pebbly, w/ rocks to 3 cm; very poorly sorted;
angular to subrounded, w/ a few very angular
perhaps 25-30% inclusions
color 10 YR 3/2, to dirt layer
layer ② virtually invisible
layer ③ very poorly sorted; pieces up to 1.5-2 cm;
most silt to coarse sand; dark flecks, some
actual carbon; 40-50% inclusions; most subangular to
subrounded; color 7.5 YR 3/3

202HE/013 @ 40 Red clay begins @ 10 cm BGS on pits SW corner; on NE, begins about 15-18 cm BGS
layer ① very pebbly & rocky, w/rocks up to 5-6 cm; very poorly sorted; color: 10YR 3/2
layer ② basically none, but slight color variation
color: between 7.5YR & 10YR chart
layer ③ poorly sorted, though most particles are sub-angular to subrounded; mica present, as are black mottles & poss. carbon
color 7.5YR 3.5/3 to 7.5YR 3.5/4

202HE/014 @ 45 in general, clay color lighter, less red
clay starts at about 10-15 cm BGS: topsoil looks more like a transitional level than the regular topsoil
layer ① pebbly; very ~~poorly~~ poorly sorted; very angular to subrounded; mostly silt to coarse sand; about 25-35%
color 10YR 3/1.5
layer ②③ bulk of soil; many mottles up to several cm; poorly sorted; some mica; mostly in silt to medium sand range; carbon flecks
color 10YR 4/3
layer ③ @ base: very poorly sorted; very angular to subrounded, most subangular; up to 50% inclusion, many mottled areas; largest pebble I see is 2 cm
color: 7.5 YR 3/4

202HE/015 @ 70 Overall, clay lighter in color; clay starts about 70 cm BGS
layer ① very poorly sorted; very angular to subrounded; up to 50% incl.
layer ② most of pit; fine texture; many white flecks in silt to fine sand range; few mottles; bits subangular to subrounded; color: 8.25 YR 3.5/4
layer ③ very poorly sorted, up to 30 cm; mostly angular to subrounded

29 April 84
⑤
202HE/015 (cont.)
color: 7.5 YR 3/4 to 5 YR 3.5/4
In general here, fewer inclusions, finer texture, & lighter color from top to bottom

202HE/016 @ 75 m 4 levels -- topsoil 10 cm; reddish mottled clay; 10 cm; about 10 cm of white rocks @ about 20% of layer, up to 6-8 cm, in lower clay; then lower clay.
layer ① like 202HE/015
layer ② like 202HE/015
layer ③ basicly layer 4 w/ rocks
layer ④ nice clay; mica, & other inclusions in silt & fine sand size mostly; hard to tell % because of fineness of inclusions
color 8.25 YR 4/3 no mottling

202HE/017 @ 80 m 3 levels, not same depth f/ side to side: layer ① to 10 cm max on W face, but to 15-20 on E face; layer ② w/ white rocks to 20 cm on W face, & 25-30 on E, rocks to 10 cm at 1-2 transition
① poorly to very poorly sorted; up to 30% inclusions f/ angular to subrounded; color 7.5 YR 3/1.5
② mix of clay, rocks, mottles, & other inclusions
③ mottled w/ gray & flecked w/ white; very poorly sorted; very angular to subrounded, mostly in more rounded categories; 40-45%; color 7.5 YR 3/4 to 6.25 YR 3/3 to 3/4

202HE/018 @ 85 m 2 layers: topsoil, & rocks w/ a little clay
① no more than 10 cm thick; poorly sorted, to very poorly very angular to subrounded; sizes to 3-4 cm; color 10 YR 3/2
② Rocks up to 25 cm, limestone + iron rich (these smaller) reddish clay matrix

(1)

29 April 04

202HE/019 @ 90 m

layer ① ≈ 20 cm deep W side, 15 E, w/ more rocks on E
very pebbly w/ small rocks

② rock layer of variable thickness; limestone & iron-rich rocks, to 10 - 15 cm; also other rocks I don't know; reddish clay matrix

③ very soft, crumbly layer, moderately sorted @ base, rockier higher; mostly tan, orange & pink inclusions in clay/silt matrix; color about 10YR 4/2 ff

202HE/020 @ 95 m

① as deep as 40 cm; black to gray; very poorly sorted, mostly fine to coarse sand, but up to 3-4 cm 35-40% inclusions; very angular to subrounded
10YR 3/1 to 2/1 to 2.5Y 2.5/1

② rocks, limestone & iron-rich items, mostly somewhat rounded

artifacts: sherds

202HE/021 @ 100 m

① to 40 cm on W, 45-50 N+S
mostly fine white flecks, silty fine sand range, sub ang & sub rounded, through pebbles & 3 cm & larger rocks
color 5Y 2.5/1 to 2.5/2

② gray + black clay mixed w/ white, yellow, tan, brown rocks

ON 4th line HG

202HG/001 @ 0 m very slight color change f/ top to bottom

①② moderately to well sorted; white flecks mostly, stay in silt to fine sand range; perhaps 30-35%, especially @ base; sub angular to sub rounded

① color 10YR 3/1 ② color 10YR 3/1.5-2.

⑦ 29 April 04

202 HG/002 @ 5m slight color change @ about 25 cm; (
shard in wall; none collected; some rocks to 8 cm.
① & ③ exactly like 202 HG/001
① color 10YR 2.5/2 to 7.5YR 3/1.5 ② color 2.5Y 3/2 to 10YR 3/1.5

from 0 – 30/40 m seems to have been plowed -- furrows visible

202 HG/003 @ 10m
① topsoil like HG/003
② ~~poorly~~ transition small, takes only about 5 cm
③ poorly to very poorly sorted, w/ black mottling; as much as 50% inclusions, though most in silt to fine sand range; very angular to subrounded, mostly subangular to subrounded
color: 10YR 3/3 to 8.25YR 3/3

202 HG/004 @ 15 m
① topsoil reddish, like most topsoils in 202 HE
color: 2.5Y 3/1.5
② & ③ similar in color & texture, inclusions like cores 1 & 2 in HG/001 color of ③ 7.5YR 2.5/3
towards base, more inclusions, more mottling
④ very poorly sorted, very angular to subrounded, most subrounded to subangular, silt to fine sand; 45-50% inclusions
color: 10YR 3.5/3
@ base, rocks to 20 cm, much limestone

202 HG/005 @ 20 m 4 levels: topsoil, rocky yellow or, yellowish red
① like 202 HG/004
② topsoil w/ rocks, limestone & others, up to 10 cm, perhaps a bit redder in color

(8) 29 April 04

202HG/005 @ 20m (cont)

(4) moderately sorted, mostly silt + fine sand; white, tan mica carbon flecks; poss. up to 40-45%, but inclusions are very small; very angular to sub-angular + -rounded, mostly latter (2)

color: 10YR 4/3 to 4/3.5

(3) poorly to very poorly sorted; has lumps of lighter clay (decaying rock) in it; 40-45%; very angular to subrounded, mostly sub-angular to -rounded.

color matrix: 8.25YR 3/3 color clay lumps/rocks: 2.5YR 5/3

202HG/006 @ 25 m color change fairly abrupt, below rock level

(1) about 15 cm deep; like previous lots

(3) rocky level of variable thickness, white (limestone) tan, iron-rich, etc; mostly rounded edges

(3) transitional clay; micaceous; poorly to very poorly sorted lots of fine sand, but range of silt to coarse sand + larger; black + gray mottling

color 7.5 YR 3.5/3

(1) very poorly sorted; highly micaceous; pieces up to 2 cm lots of fine + medium sand some mottling probably 50% inclusions

color 7.5 YR to 8.25YR 3.5/3

• few sherds in back dirt not collected; also some chert

202HG/007 @ 30 m 4 levels

(1) top soil as before

(2) lower black/gray level: some mottling; well to moderate sorting; mostly silt + fine sand; can't judge %

color: 10YR 3/2

@ 29 April 04
202HG/007 @ 30m (cont)

③ poorly sorted; very angular to subrounded, mostly sub-angular to subrounded; some mottling; mostly silt to medium sand, but up to 5 mm
color 8.25 YR 3/3

④ like ③ except in color; pieces up to 2 cm
color 10 YR 4/3

202HG/008 @ 35
3 layers, like HG/007, minus the layer ② transition
basal layer ③ has some rock @ very bottom
mostly: poorly to very poorly sorted; black ~~[illegible]~~
poss. some charcoal; about 50% inclusions
mostly fine to coarse sand; majority subangular to sub rounded
color 8.25 YR 4/3 to 10YR 4/3
level ② color 7.5YR 2.5/3

202HG/009 @ 40m
① topsoil as before, roughly 10-12 cm BGS
② 10 cm rocky layer w/ darker soil; rocks mostly limestone; darkest red -- color 10YR 3/2
③ seems lighter in color than ② moderately to well sorted; micaceous; most inclusions silt to fine sand; mottled w/ black & grey
color 8.25 YR 3/4 to 3/3
④ like ③, but has some poss. hematite bits
color 8.25 YR 3/4 & 10YR 3/4

202HG/010 @ 45m
textures same in all 3 levels, except for some larger inclusions in ③ up to 1 cm & very angular
colors: ① 10YR 2/1.5 10YR 3/3 ② 10YR 4/3 ③
rocks make sort of a layer between ① & ②: limestone mostly

29 April 2004 Op. 202 HF Notes 2004 -49-

202 HF/01 - 50x50 — test pit, 3 soil levels: top soil, cultural level clay layer. Sherds present 10-12 cm bgs.
Black clay layer: Angular to sub-angular, poorly sorted, 10%
Red clay layer: not very red, very fine white inclusions. Sub-rounded, moderately sorted, 40%
First pit on line (0 m)
Black clay color: 2.5Y 3/1
Red clay color: 1.25Y 3.5/2

202HF/02 - 50x50 — test pit 5 m S of N end of line, 5 m S
Black clay layer: sub-rounded to sub-angular, moderately sorted, 35%, very fine, white powdery (limestone) inclusions mixed with quartz + other more angular (river-washed?) inclusions, Color: 2.5YR 3/1 to 2.5YR 2.5/1

Red Clay layer: sub-rounded to rounded with some sub-angular, moderately sorted, 40%, high clay content, cracked upon drying. Redder than in of 202HF/01. Color: 10YR 4/3
with mica

No visible shard layer, few sherds/cultural trans in black clay layer.

202HF/03 - 50x50 cm test pit 10 m S of North end of line, 3rd pit
Black clay layer: lots of root activity. Angular to sub-angular poorly sorted, 25%, includes some larger limestone pieces and quartz Color: 2.5Y 3/1
Red Clay layer: sub-rounded, well-sorted, 40% same as above
Color: upper part 10YR 3/3 lower part w/mica 10YR 4/3.5

202 HF Test Pit Notes (cont.) 29 Apr 04

202HF/04 - 50 x 50 cm test pit, 4th in line, 15 m S of N end of line
Black Clay layer sub-angular to sub-rounded, moderately sorted, 40% root activity. Color: 2.5 Y 3/1
Red clay layer: Brighter red color, sub-angular, powdy, white to yellow inclusions, moderately sorted, 40% Color: 10YR 3/3.5 has mica

No visible sherd layer, red clay layer is thicker here, very clear color differs. Some large limestone chunks on E wall in black clay layer

202 HF/5 - 50 x 50 cm test pit, 5th in line, 20 m S of N end of line
Black clay layer: root activity, sub-angular, moderately sorted, 35% flecks of white limestone pulled into streaks, some red inclusions as well. Color: 1.25 Y 3/2
Red clay layer: very bright red, inclusions are not well sorted - there are noticeable clumps with higher concentrations. sub-angular, poorly-sorted, 70% in some areas, most = 40% color: 10YR 3.5/3

layer of tuff nodules below 12 + 22 cm bsp along with limestone flecks, but no visible sherds

202HF/6 - 50 x 50 cm test pit, 6th in line, 25 m S of N end of line
Black clay layer: root activity, larger inclusions than in other pits, sub-angular, poorly sorted, 35% larger inclusions include limestone + quartz color: 10 YR 3/2
Red clay layer: very lg. inclusions (7.5 cm), sub-angular, poorly sorted 40%, again, very poorly distributed, 10YR 3.5/3 to 7.5 YR 3/3

The black clay layer includes larger quartz pebbles (5-10 cm)

Clay Test Pit Notes, Op. 202 HF

202 HF/07 - 50 x 50 cm test pit, 7th pit in line, 30 m S of N end of line
Black Clay layer - very shallow (stops at 20 cm bgs), root activity
Sub-angular, moderately sorted, some red inclusions 35% color: 10YR 3/2
Red clay layer - Sub-angular, moderately sorted, 40%, color: 7.5YR 3/4
Red-yellow clay layer grades into a yellow color clay - some inclusions, diff color color: 10YR 4/3.5

Topsoil + black clay layers are very thin here, red clay begins at 15-20 cm bgs. Some limestone pebbles/chunks in top layers. Very cracked upon drying

202 HF/08 - 50 x 50 cm test pit, 8th in line, 35 m S of N end of line
Black clay layer: sub-angular to sub-rounded, root activity, some larger (0.33 cm) inclusions, poorly sorted, 35% color: 10YR 3/1.5
Red clay layer, more yellowish color, very fine, powdery inclusions angular to sub-rounded, well sorted, 50%, color: 10YR 4.5/4
In between lowest & highest (black) 7.5YR 3.5/4
Pit includes a lens of tuba/limestone in reddish clay layer 40 cm bgs, very thin black clay layer.

202 HF/09 - 50 x 50 cm test pit, 9th in line, 40
Black clay layer - same as previous color: 10YR 3/1.5
Red clay layer - in many instances there are streaks of black penetrating into the red, sub-angular to angular inclusions, moderately sorted, some slightly larger limestone & quartz inclusions (0.3 cm) color: 2.5YR 3.5/3
Tuff lens base of excavation includes lens of crushed tuff, limestone, etc. sub-angular, poorly sorted, 70% color: 10YR 5/3 to colors on 7.5YR chart

202 AF Test pits 29 Apr 04

202AF/10 - 50 x 50 cm test pit, 10th in line, 45m S of N end of line
Black clay layer - same as previous, color: 10YR 3/1.5
Red clay layer: very fine, powdery, inclusions, sub-angular, well-sorted 35%, very smooth sheary surface (like when should scapula)
some root activity (closer to surface here). Fewer visible inclusions than on other areas. Color: 7.5YR 3.5/3 - 3.5/4
Yellowish clay layer - below red clay, grades into yellow-red color, more inclusions, larger inclusions (up to 0.35 cm), poorly sorted, 35%
Color: 10YR 4/3.5 has mica

have mica

202AF/11 - 50 x 50 cm test pit, 11th in line, 50m S of N end of line
Black clay layer - same as above, color: 10YR 3/2
Red clay layer - some root activity, some limestone + tuff chunks (0.75-1 cm), fine powdery sub-angular inclusions, poorly sorted, 35%, color - 8.25YR 3.5/3
Red clay grades into a more yellowish-red layer at the base of excavation; color: 10YR 4/3
Some large (8-10 cm) limestone chunks in red clay level

mica

202AF/12 - 50x50 cm test pit, 12th in line, 55m S of N end of line
Black clay layer - same as above, color: 10YR 3/1.5
Red clay layer - sub-angular to sub-rounded, poorly sorted, 35%
some very lg. inclusions (0.30-0.5 cm) tuff, limestone, carbon/black quartz
color: 10YR 3.5/3.5
Yellowish-red clay - yellowish red in color, very fine inclusions, sub-angular, moderately sorted, 40%, color: 10YR 4.5/3 to 1.25Y 4/3

mica

202 Test pits - South of Main Group 29 Apr 04

202 HF/13 - 50 x 50 cm test pit, 13th in line, 60 m S of N end of line
Black clay layer - ~~[illegible]~~ in the last few units, Carbon flecked, larger inclusions, sub-angular, 0.1 cm, poorly sorted, 35%, pink quartz, white quartz, Color: 2.5Y 3/2 to 10YR 3/2
Red clay layer / yellowish red layer very fine, powdery inclusions sub-angular, moderately sorted, 40% color: 10YR 4/3.5
Intermediate layer color 7.5YR 3.5/3.5 to 10YR 3.5/3.5
More sm cobbles + pebbles in black clay layer, limestone lens in red clay layer - w wall - some gradation in color in red layer, but yellowish-red clay predominates.

202 HF/14 - 50 x 50 cm test pit, 14th in line, 65 m S of N end of line
Black clay layer root activity; red, black, + white inclusions, sub-angular moderately sorted, 35% Color: 10YR 3/2.5
Red clay layer - mixed inclusions, angular to sub-angular, lg. = 0.4 cm, moderately sorted, 35% color: 7.5YR 4/3.5 blackflecks, poss. Carbon
Yellowish-red layer - grades into a more yellow layer w/ finer inclusions, sub-angular, moderately sorted, 40% 10YR 4.5/3.5

Pit includes layer of pebbles at top of red clay

202 HF/15 50 x 50 cm test pit, 15th in line, 70 m S of N end of line
Black clay layer - same as previous, Color: 2.5Y 3/2
Red clay layer - fairly yellow, lg. frff inclusions, angular to sub-angular, moderately sorted, 35% Color: 7.5YR 3.5/4 to 8.25YR 4/3.5
Yellow rody layer - base of excavation, lg. chunks of limestone (1-2 cm) powdery yellow-white sub-angular to sub-rounded, poorly sorted, 40% color: 10YR 4/3 to 5/3

[illegible]

[illegible]

[illegible]

[illegible]

202 Clay test pits 29 Apr 04

202HF/16 - 50x50 cm test pit, 16th in line, 75m S of N end
Black clay level - same as previous, color: 2.5Y 3/2
Red clay level / Yellowish level - back to 1 level below black clay, a little more yellow, very fine inclusions, sub-angular, moderately sorted, 35% 10YR 4.5/3.5

MICA in these layers

No rocky level at the bottom of this pit

202HF/17 - 50x50 cm test pit, 17th in line, 80m S of N end of line
MICA Black clay layer - same as previous, color: 2.5Y 3/2
Yellow/Red clay layer: very fine inclusions, very few inclusions, sub-angular, well to moderately sorted, 20% color: 10YR 4.5/3
middle level color 8.75YR 4/4
Lots of pebbles + limestone flecks in black clay layer, red/yellow layer has none

202HF/18 - 50x50 cm test pit, 18th in line, 85m S of N end.
Black clay layer - ~~angular~~ to sub-~~angular~~ rounded, poorly sorted, 35% more inclusions more of them rounded, 2.5Y 3/2
Red clay layer very fine poorly inclusions, sub-angular to sub-rounded, well-sorted, 40% color 10YR 4.5/4

The two clays are divided by a rocky level of limestone tuff, and cobbles very gritty

202HF/19 - 50x50 cm test pit, 19th in line, 90m S of N end
Topsoil grades into rocky layer, which continues to base of excavation, 1/3 of limestone no colors taken

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

202 clay test pits 29 Apr 2004

202 AF/20 - 50x50 cm test pit, 20th in line 95 m S of N end
Again, no clay layers - topsoil grades into rocky layer set into fine white* sand (Color: no color). Rocks include limestone, tuff, pebbles, gravel. taken

202 AG/21 - 50 x 50 - test pit, 21st in line, 100 m S of N end
clay almost begins to pick up again here but it is still very, very heavily mixed w/ rock - limestone, tuff, gravel, etc. Tree root in S margin may have caused some disturbance, but probably not much.
no color taken

** Next line of test pits: E of previous line - Sub-op. 202 AG **

202 AG/21 - 50x50 cm test pit, 21st in line, 100 m S of N end
Black clay lens present but not very thick. Angular to subangular, poorly sorted, 35% Color: 10YR 3/2 (mottled darker)
No red clay layer - base of excavation is limestone, sand, gravel, + cobble mix. A layer of cobbles, one of which is almost flat-land, is present at 25 cm bgs Empty lot Lower level closest to 2.5YR 7/2 to 6/2

202 AG/20 - 50x50 cm test pit, 20th in line 95 m S of N end
Very diff from AG/21 here there are no rocks/ no rocky layer + 2 lens of clay are clearly visible.
Black layer - subangular to subrounded, poorly sorted, 40% very lg. inclusions (up to 0.6 cm) + a little root activity. More gravel seems to be present than in Op. 202 AF. Color: 2.5Y 3/2
Red/Yellow Layer - Yellow clay soil w/ large angular + subrounded inclusions (0.3-0.7 cm) quartz, limestone sand Color: mottled - close to 10YR 5/3
Empty Lot in between layer 10YR 4/3

202 Clay Test Pits, S of Main Grp. 29 Apr 04

202 AG/19 - 50 x 50 cm test pit, 19th in line, 90 m S of N end
On the W side the black clay grades into a very thin
process of the red clay before dissolving into the rocky, white silty
level. Fewer rocks in the level, more white limestone-rich
sandy-silt. Color: between 10 YR 5 2.5 Y charts
Empty lot too mottled to do color

202 AG/18 - 50 x 50 cm test pit, 18th in line, 85 m S of N end
Very different from AG/19. This pit includes a very clear layers
of the black + red clays, and the red clay is remarkably clear
Black Clay layer sub-angular, moderately sorted, 35%, Color: 8.25 YR 3/2
Red Clay layer - sub-angular, well sorted, 40%, very fine + pouchy.
Color: 7.5 YR 3.5/4 Lots of mica
to 10 YR 3.5 / 3.5
Empty lot

202 AG/17 - 50 x 50 cm test pit, 17th in line, 80 m S of N end
Black Clay - sub-angular, moderately sorted, 35%, up to .75 cm length
Red Clay - sub-angular, well-sorted, 40%, very fine, pouchy inclusions.
Very similar to AG/18, the colors very sharply Empty lot

Black Clay color: 10 YR 3/1.5
Red Clay color: 7.5 YR 3/4

202 AG/16 - 50 x 50 cm test pit, 16th in line, 75 m S of N end
Black Clay layer - same as previous color: 2.5 Y 3/1.5
Red Clay layer - very fine inclusions well-sorted, sub-angular, 40%
Color: 8.25 YR 4/3.5
Empty lot colored ~~A~~ ~~bm~~ 10 YR 5.5/3

202 test pits S of main group 29 Apr 09

202 HG/15 - 50 x 50 cm test pit, 15th in line 70 m S of N end
Black clay - Same as previous Color: 2.5Y 3/1.2
Red Clay - Sub-angular, moderately sorted, 35% very fine, powdery inclusions, clay cracks a lot upon drying, Color: 7.5YR 3/3
Yellowish-red clay - Very, very fine inclusions, sub-angular, well sorted, 40% Color: 10YR 4.5/3

Red clay grades into yellowish-red at base of excavation. It also turns finer w/ more inclusions (very small + powdery)

202 HG/14 - 50 x 50 cm test pit, 15th in line, 65 m S of N end
Black Loam - Same as previous Color: 10YR 3/1.5
Red Loam - Angular to sub-angular, moderately sorted, 35% Some inclusions range up to 0.5 or 0.7 cm, some root activity. Mica
Color: 7.5 YR 3.5/3.5

There is some limestone (some chunks) present in the red clay layer. The red clay begins to grade into the yellowish clay at the base of excavation. Empty lot

202 HG/13 - 50 x 50 cm test pit, 15th in line, 60 m S of N end
Black clay - Same as previous Color: 10 YR 3/1.5
Red clay more limestone inclusions, sub-angular, moderately sorted, 30% also some quartz inclusions Color: 7.5YR 3.5/4
There is a distinct rocky/pebbly area between the black + red clay.

Empty lot

[illegible]

ZOZ AG Clay test pits 29 Apr 04

ZOZ AG/12 - 50x50 cm test pit 12th in line 55m S of N end
Black clay - very fine grained, few inclusions, very, very small (recently
limestone. 40% Color: 10YR 3/1.5
Red clay - larger inclusions, up to gravel size (1-2cm) Angular to rounded
poorly sorted, 30% color: 7.5 YR 3.5/4

Base of black clay includes limestone chunks

Sterile lot.

ZOZ AG/11 - 50x50 cm test pit, 11th in line, 50m S of N end
Black clay layer med. inclusions, sub-angular to sub-rounded, very small,
moderately sorted, 30% Color: 10 YR 3/1.5
Red clay - finer inclusions than seen in the red clay for AG/12 -
better distribution - sub-angular moderately sorted, 30%
Color: 10YR 3/2.5
Yellow - 8.25 YR 4.5/4
Some limestone in layer below 2 clay layers.

Sterile lot.

JUNQ @ Canoas

10YR (5/3) 4/2 6/3, 5/4 7.5YR 5/4

poorly sorted, fine

fine sand to coarse sand mostly fine or medium sand

subrounded roundness 0.5 sphericity 0.7

CAL @ Canoas

7.5YR 5.5/4

5YR 5/5

poorly sorted, med-to-large up to 2-4 mm

fine sand to coarse sand

subangular

sphericity 5 roundness 3

PIT @ Canoas

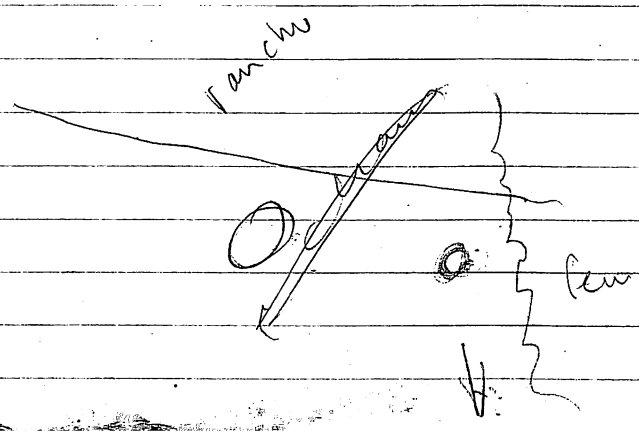
occaisional temper upto $2^{-2.5}$ mm (very coarse sand)

fine, poorly sorted

mostly med + fine sand, also very fine @ slight mag

sub-rounded to sub-angular

roundness & sphericity ≈ 0.7 each



2.5Y 6/2

CDT: wash/slip color 10YR 6.5/2, 6/2
paste interior

Marello's Stuff
6127-64-1 lot

61 = Copan Op
27 = Los Achiotes
64 = Sub Op
1 = lot

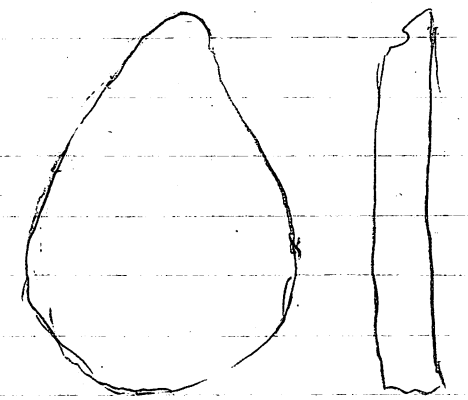
Paste orange to grayed orange. Recent med-to-fine matrix. High inclusion content, sizes up to 3-4 mm at times. Very little range in the pastes: a couple on the finer end, a couple on the coarser. The 5 much finer sherds look intrusive, prob L-Cl, or poss. Preel

Surfaces, where preserved, are typically undulating & irregular. Some finishing striations noted, but only one probable decoratively striated item.

Forms: no rims in this lot. Horizontal, flattened-tube coronal handle (one); horizontal tube handles on globular jar necks; thin strap-cum-tube vertical handles. One dimple base.

Bodies mostly seem to be jars

One possible scraper made on a teardrop form



flatness + int. finish suggest hand base.

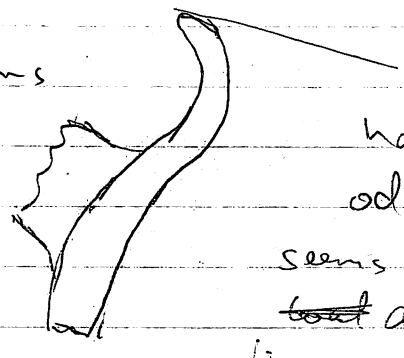
Morello

61-27-4-1

Range of paste variation the same, though this lot has a couple of items w/ the heavy, marked white inclusions like we see in PVC.

Handles same as 61-27-64-1

Forms



handle is odd on this -- seems angled up -- ~~but~~ don't see lip attachment.

Surfaces mostly plain, though 2-3 brushed apparent

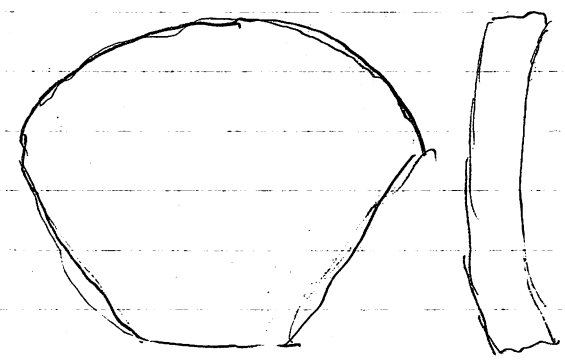
61-27-4-3

No paste changes b/ above

Surfaces: more interior striation; more brushing on exterior.

Forms: Thick vertical (prob. vertical) take handle see page 3 for illustration.

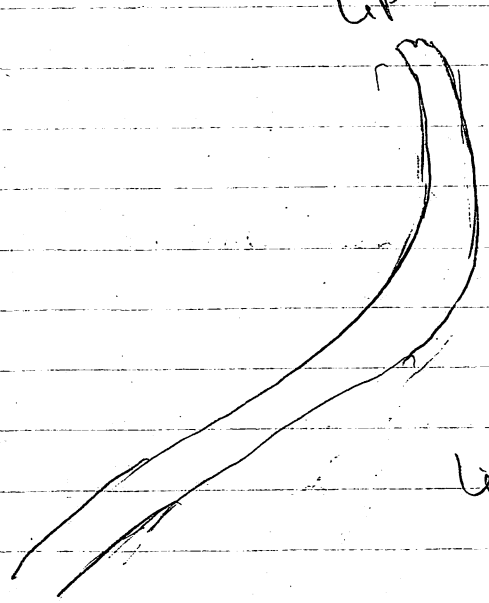
One sherd scraper present

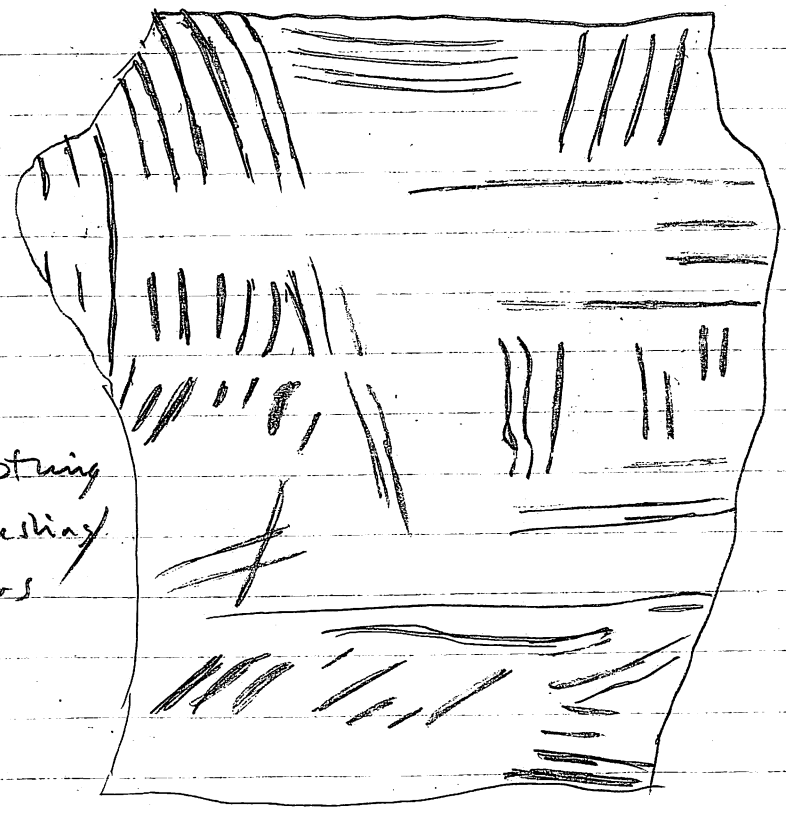


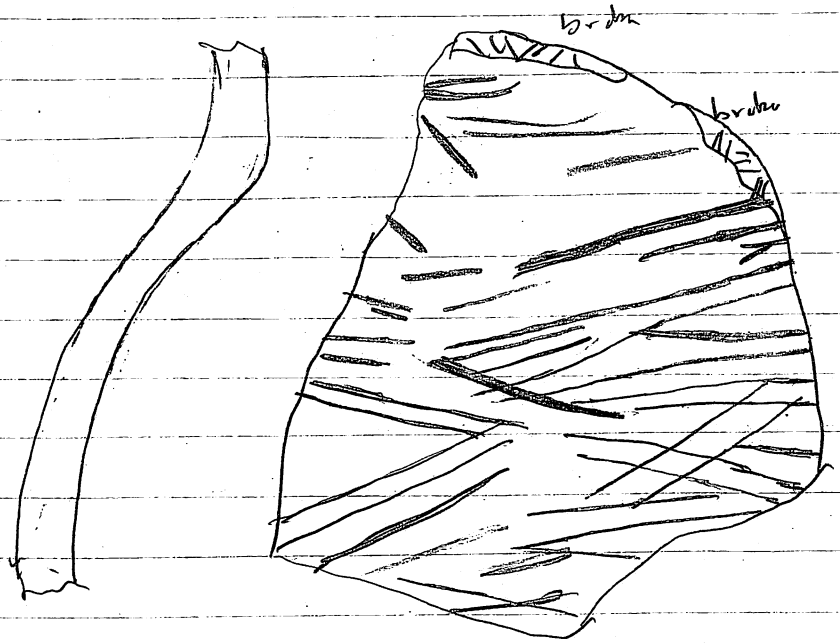
Marello

61-27-4-3

Decoration drawn felt







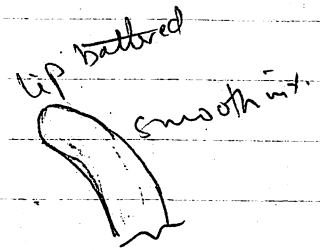
Marello

61-(5)- 27 -54, 55, 56, 57, 59, 60
or 5?

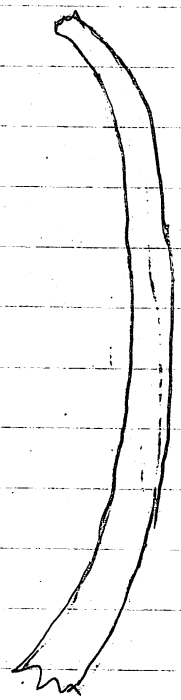
level 21, lot 2

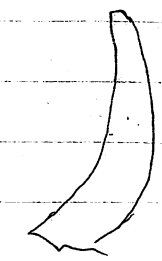
Pastes same

Forms: poss. bowl

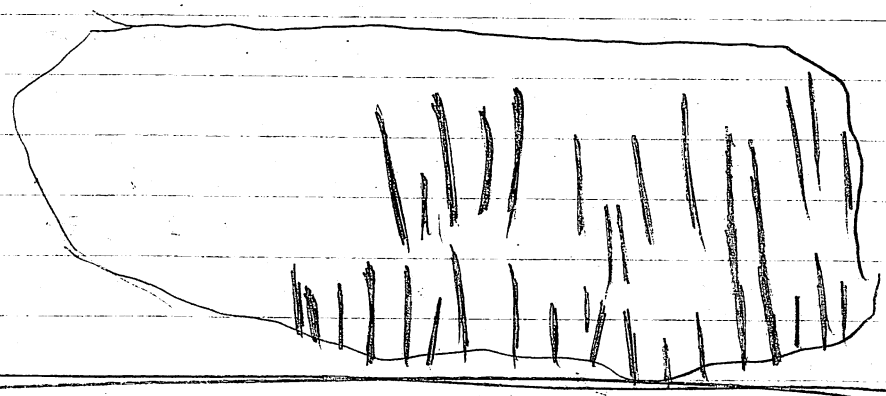


jar w/ opposed lip,

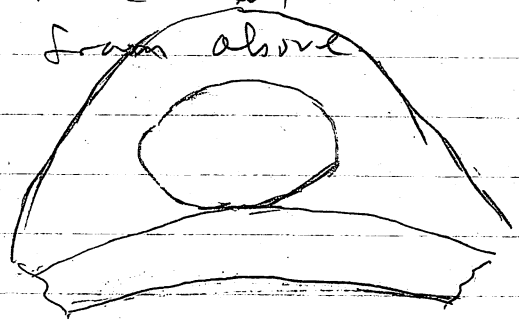




This item is very crudely finished inside & out.
Lip is very irregular

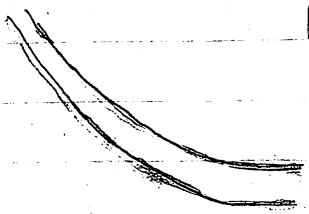


61-27-5-1:
horizontal ~~take~~ feathered take handle
from above



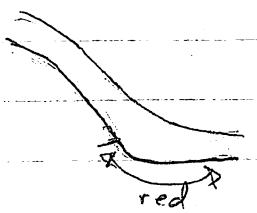
58/2/24
sherds in the bag.

Plumbate, var. unspec 1 bowl body
mottled orange and gray, more orange on interior, gray on exterior. Exterior eroded -- almost looks like it's been brushed or abraded. Interior largely intact, though some matte areas look abraded/heavily brushed. Exterior does not retain its slick feel or gloss, but interior does.



From the curvature, this appears to be a basal or lower wall fragment. Basal area is slightly thicker than wall

Las Vegas Polychrome (possible) 1 bowl/bol/basal break to outflared wall; base flat; interior & exterior curvatures different



I note this as a possible Las Vegas because of my experiences in Sta. Barbara. Other than a couple of sherds in the type collection (HAH used to maintain in Tegucy, I have never really seen Las Vegas Poly. This sherd has the thin, easily eroded tan slip assoc. w/ L.V. Poly -- on this item, the slip is mostly gone -- and the thin, also easily eroded, red paint. The red present here is on the exterior, just above or below the basal break. The red seems to have covered the ext. base. Above the break, it looks like a horizontal band paralleling the base. A few flecks of red above this suggest a long-gone painted design. Item was extremely well-smoothed to burnished (esp. on int.) prior to slip application. Paste is a fine matrix with

visible inclusion (to naked eye -- more seen w/ magnification)
Inclusions include soft red (hematite?), very fine white & a little very fine black, w/ a couple of fine mica particles.
Under magnification, fresh breaks have a slightly uneven almost porous appearance.

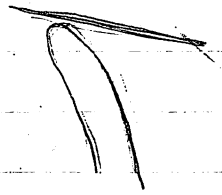
3 remaining sherds -- could be any jinky utilitarian taxon. One has inclusions up to 3-4 mm in diameter. Inclusions are poorly sorted and angular.
Surfaces are uneven to undulating. On 2 sherds, the exterior surface was smoothed, but not enough to cover striations and low spots which appear to be from manufacturing.

58-2-27

Plumbate, var. unspec.
3 probable bowl bits. One is a rim segment, and could possibly be for a thin-walled jar. This sherd is extremely eroded, w/ little surface left. Visible surface is mottled gray & orange, but mostly gray.
Second sherd is an odd section w/ multiple curvatures; I don't know how to orient it. It has slip, which is mostly gray, but surfaces are largely matte. Clinks nicely.
Third sherd is orange-red. Int. slip is decently preserved, w/ some gloss still present. Ext. is very eroded, except in an indentation. This one has still a bit of the "clink"
I associate w/ nicely fired Plumbate, though it is orange

58-2-27 (cont.)

Las Vegas Poly chrome -- 1 pretty definite, 1 possible based on its paste.

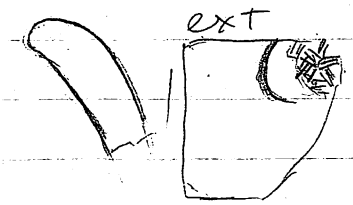


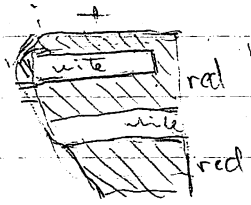
Nice one is a rim, outflared bowl. It has a few vestiges of tan slip and dark red, almost maroon, paint. No designs discernable. Paste is as described for 58-2-24 L.V.P. Thin firing core, 7 mm

Second sherd is poss. L.V.P. based on paste similarities only. Surface is totally gone on interior, almost all missing on ext. Color is odd: Int surface has 1-2 mm of tan -- remains of the slip perhaps?; Ext. and paste interior are pink-orange, as though reheated.

58-2-208

Las Vegas Poly -- 1 definite, 1 possible based on paste





red paint on white slip

Paste is what I typically see as LVP -- almost a brick red, no firing core, almost no visible inclusions to naked eye, but moderate quantity of very fine white & black under magnification. This item has a fresh break.

Slip is thicker & better -- much better -- preserved than is usual, w/ a good burnish (slick, but no gloss). Red is also well-preserved for the taxon. Lip of vessel is dented & a bit battered. The post-fire incision is quite odd.

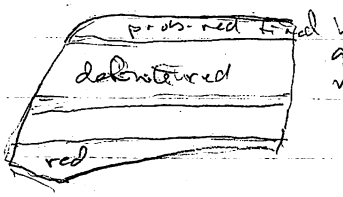
It is a "C"-shaped line; the slip shows the chipping where it was cut through & removed. The base of the incised line is U-, not V-, shaped, as though done w/ a blunt, rather than sharp, instrument.

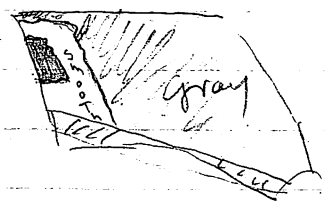
Smaller item is L.V.P. based on paste color & texture though it has more easily seen inclusions, and more mica. No slip or paint.

Plumbate, var. unspec. -- probable.
I note this as Plumbate because of how hard it's fired. It also reminds me of Uncano Grp fr/sta. B. Slip, a dark red to reddish-gray, is still just visible.

Unknown 3 shards

Two shards fit, and are a basal break between a flat base and an out flared bowl wall. Third is the rim of the bowl. The surfaces are slipped and well-burnished (slick feeling, though the gloss is variably preserved). The slip has fired dark gray, while the red paint is a very dark maroon. Paste is like L.V.P., though w/ more & slightly larger inclusions. Color is darker orange as well. Rim exterior has square post fine incision. The slip is finely chipped on the edges of the "design". The downward stroke seems to have been done w/ a broad, hard instrument & the base of the stroke is smooth w/ a faint shine.





58-2-208 (cont.)

The interior of the wall fragment has a horizontal band of red just visible, bandwidth unclear. These are definitely fresh, and relatively fresh & uneroded breaks on all 3 items: pieces are clearly missing.

Unknown Utilitarian a items: 1 dimple base prob. jar, 2 flared neck frags, rest for bods.

Paste is like finer Cacaulapa pastes: decent matrix, high number of small white inclusions, some small black, and easily visible, poorly sorted, angular sand/quartz (white to rose) up to 4mm across.

Exteriors smoothed, but finishing marks are visible, and surfaces are uneven. Interiors show more striations & finishing marks.

One sherd has marked exterior striations, heavier, wider, & deeper than brushing, & partly smoothed over. This item is reminiscent of Cara & Picicho brushed f/Sta-Barbara, & Carbano Brushed f/Loco.

Pastes & finishes highly consistent w/ E Partd.

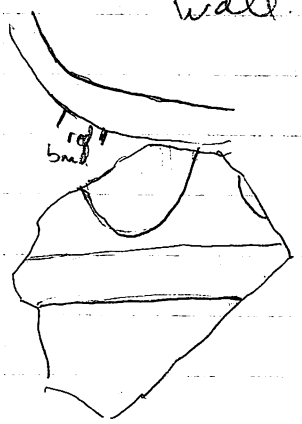
58-2-209 only 3 sherds

1 probable jar body; undulating exterior, fairly smooth & reg. interior, could be bowl/basin frag. Paste like finer Cacaulapa stuff: moderate matrix, high # readily visible inclusions, including fine mica which is not visible on surface.

color is dull orange. Inclusions poorly sorted & angular, up to 1.7 mm across. Largest seems to be opaque white quartz

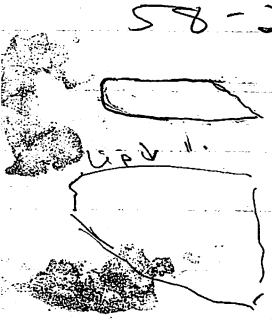
2. Probable jar fragment. All surfaces irregular/undulating. Exterior has 3 mm x 8 mm hole, where a large piece of temper appear to have popped out. Paste as described above, with more surface-visible mica. Exterior brushed in short strokes, multi-directional, as in Yara Brushed/Fr/Sta. B.

3. Bowl fragment, rounded base w/ break to rounded wall. Exterior curvature greater than interior. At. BB is circumferential band. Above this an ext. are 2 orange design elements; visible is a rounded end broad vertical stripe. Design done in a thick orange paint/slip which adheres poorly. The orange is reminiscent of Sta. B.'s Celeléc Orange-Slipped, though used as paint not slip. Use of color like that on Sta. B. Carrizal Coarse Red.



Paste is fine for E. Pitch: many fine white inclusions, also large pieces up to 3-4 mm across (usually white, opaque, prob. quartz).

58-2-210 4 sherds, no clear types



1. Rim piece fr/ probable plate. Paste is color of NVP Sicaru, but w/ more white inclusions so typical of EPitc

2. Probable jar body. Int. better smoothed & more even than ext. Holes & lines fr/ popped temper &

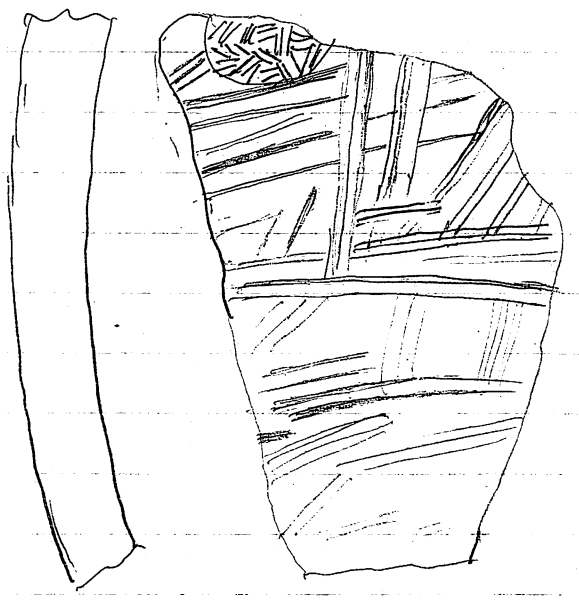
5 8-2-210 (cont.)

temper dragging during finishing clearly visible on both surfaces. Paste color is dull tan, firing core shifted towards int. surface, and is most of sherd. Paste has high % fine naked-eye visible inclusions, mostly white. Break is very irregular and craggy. Paste consonant w/ E Pstcl.

3. Dreadful but typical E Pstcl paste, rather like 50% sand held together w/ 50% clay. Orange color, no firing core. Temper protrudes on surfaces. Interior is slightly smoother than exterior. Ext. has fine brushing which looks more like over-zealous cleaning than a deliberate finish, but since the lines correspond so closely to the surface undulations, it is prob. finish/surface treatment. The brushing is very fine, finer even than Carbano in Naco. see reverse for sketch

4. Item entirely consistant w/ Yara Brushed in Sta. B. Multi-directional brushing, mostly shallow, slightly smoothed over. Item is very friable. Item seems burnt through over almost its entirety. Paste is dreadful: matrix is decent, moderate to fine in texture, but totally overwhelmed by the inclusions. Lots of white, but bits of every color present, including a soft red piece that may be a sherd fragment (about 3-4 mm). High % of very visible large items, 1-5 mm. Inclusions poorly sorted, mostly angular, and do not trend in any particular direction. Like Quecua Coarse in Sta. B., or the coarser Cacaulapa taxa.

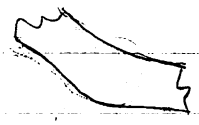
58-20-210 (cont.)



Brushed sherd

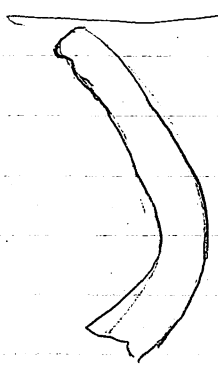
58-2-211

① Plumbate -- probable
looks like a BB



Paste & what's left of surface (dull slate gray slip) are consistant w/ Plumbate.

2- 5 sherds, some dreadful paste: Yellow brown to brown to orange. Matrix virtually overwhelmed by high % inclusions, which protrude on all surfaces. Inclusions mostly poorly-sorted, angular sand, but noticeable quantities of mica visible in breaks & on surfaces. Three plain jar bodies, 1 jar body w/ vestigial rounded fillet; 1 rim from flared-neck jar w/ no neck-shoulder break & squared-off lip. Groove on Ext. below lip seems for finishing not decor.



Surfaces irregular & undulating; rim is worst-finished. No brushing, but surfaces are bad.

58-2-212

1. Plumbate, var. unspec. 1 piece
glossy, smooth ~~Ext.~~, gray; int orange, more matte.
Form unclear Ext has segment of a curve incised below
slip; cross-section is rounded & smooth. Ext. also has
raised area, shape unclear.

2. Jar body, rather like bad Naco Jicaro in color
& paste. Inclusions visible under magnification, but
clean break is irregular & pitted. Surfaces smoothed, but
undulating, w/ low, rough, unsmoothed sections on ext.

3. 2 jar bodies, crude, sandy E Pstd paste
Like Quecua (Sta. B.) or Cacaulapa's
Surfaces have protruding temper, & are irregular &
undulating. Poss. fine brushing (Carbono-like) on one.

58-2-214

1. Small, very eroded bit of Plumbate; softer than
usual; red slip.

2. Piece of a flared jar neck. Int. has circumferential striations,
from finishing. Exterior has 2 rows of short, broad
(2-4 mm) striations, probably not finishing; like
those on jar rim in 58-2-31. Paste is tan
to gray, fine for E. Pstd. Inclusions barely visible
to naked eye, but w/ magnification I see very
fine white particals, w/ some black & yellow, and some
fine mica, though it's not visible w/o magnification.

Item is similar to a late, poorly made Jicaro, but w/ more pitted, gritty-looking breaks for the nature of the temper.

(3) Three sherds w/ same paste. Color is equivocal: an dull tan-orange on surfaces, tan interior paste, no firing core. I think they've been reheated. Matrix is fine, w/ a very high % of red inclusions, all rather soft, up to 2mm across. There's little apparent quartz, white stuff, or black. Exteriors are smoothed & wiped: little temper shows on the exteriors. Interiors are more undulating, w/ some finishing striations.

The pyriform rim is very crude & poorly made: the profile cannot convey its ugliness. The lip is gray. The rim's exterior surface is less well-finished than the bodies, though I think all 3 are likely the same vessel. Big temper is more visible in the rim, w/ a piece of white, opaque quartz hitting 3.5mm across.

The paste crudeness fits w/ E. Pstd, but the preponderance of soft red temper is unusual in my experience.

The pyriform shape is like a bad version of a Sta. B. form.

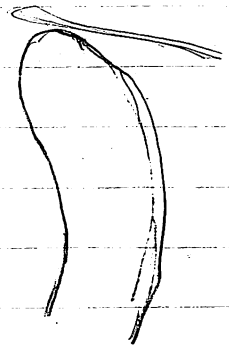
Bag labeled "Plumbate, Las Vega PC, Fine Orange, Red-on-Cream" DP 5-8/2 Str. 11L-141

I don't recognize "Fine Orange", so can't comment on that. The type designations otherwise look right on target. I am not sure, though, what the "Red-on-Cream" is

All the tan-cream slipped stuff looks like Las Vegas, to me. It is definitely not w/i the Naco cream-white slipped tradition: paste is wrong; slip color off; designs wrong

Indeterminate Bag

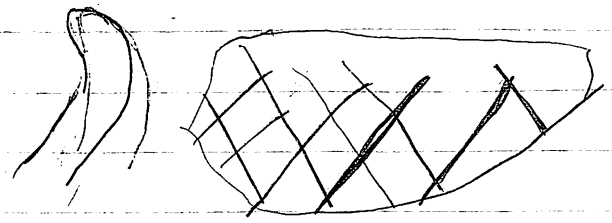
58-1 5-9 1-2 (numbers on the sherd)



Orange-pink color of Calpules, & Calpules form. Paste has higher % of inclusions (poorly sorted, angular, sm) than most Calpules, otherwise the same

58-1 6-14 1-1

Fronton unslipped in a crude paste: high % white inclusions, in tan-orange matrix



Fronton cross hatched incision

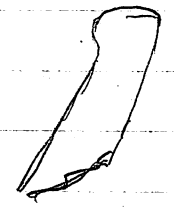
Bag labeled "Concrete"

Typical Posted tube & strap handles: horizontal tubes, very round vertical straps, almost tubes, comal handles. Paste largely crude-sandy. Of 17 sherds 2 have high mica content. One item looks more like a scored censer lid from a vessel, rough side which should have scoring is brushed

Indeterminate bag

2 items w/ Thin orange wash 58-2-138
Pastes finer -- less of the heavy, sandy temper

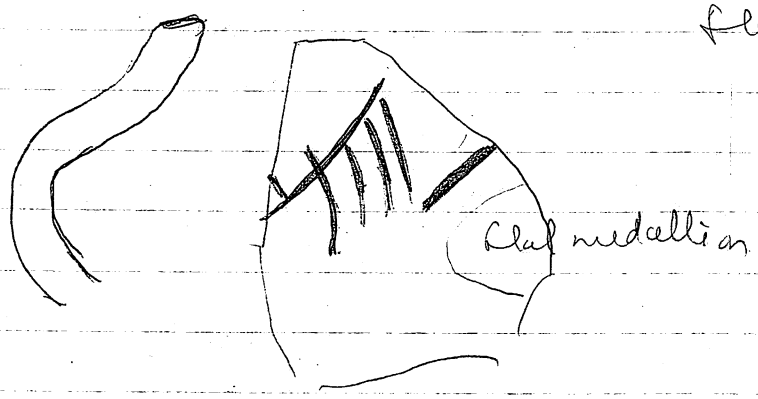
Pyriform jar (?) w/ crude lip



Very little brushing / striation

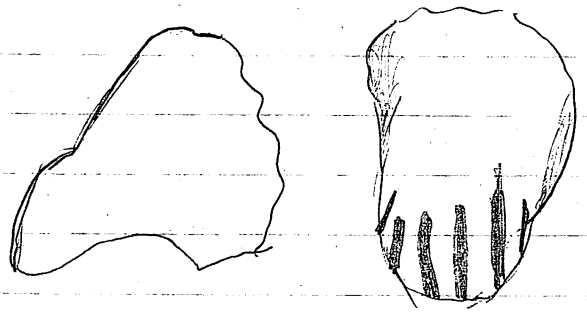
mini vessel

crude incision
flattened, oval, medallion-like area



Paste is "fine" E Pstcl -- inclusions seen w/ magnification only, O are very fine

foot? support? like a few Naco E Pst feet



deep, V-shaped incision

DA 1	EA	FA
DB	B	B
DC	C 1	C
DD	D	D
DE	E	E
DF	F	F
DG	G	G
DH	H	H
DI 1	I	I
DJ 1	J	J
DK	K	K
DL 11	L	L
DM	M	M
DN	N	N
DO 1	O	O
DP 11	P	P
DQ	Q 1	Q
DR	R	R
S 1	S	S
T	T	T
U 1	U	U
V	V	V
W	W	W
X	X	X
Y 1	Y	Y
Z	Z	Z

Lista de Muestras de Carbon para C-14 Dating
Proyecto Valle de Cacaulapa

120K/039
120V/005
599H/007
120L/011
120K/042
599B/037
202DZ/022
120K/035
202GN/008
22GD/034

120C/023
202EI/048
202HP/008
028AD/012
053AP/012
037B/009
202DQ/020
202DL/033
202DA/023
202DW/030