

2004

PVC-005-Urban-Field Notes-2004

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① 22 April

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

Adding an EU to S of EU 11, to pick up the SW corner of TACOMA PARK.

EU 6: on ground surface, rock line shows, but could be slipped/sprung rocks. Same for rocks in EU 5. Rather than lift the rocks, we are opening up to check the putative line

37L Following CARDUZO: with 10 cm earth removed, the rocks look tumbled and irregular. Workers are clearing lower among and E of rocks, looking for a clearer line. Am continuing lot 37 ~~2014~~ since it is all TD.

(37N/1010 m lot 37 ~~N/1010~~, possible SLAG -- piece of quartz, melted w/ probable iron coloring. Later -- some strange rocks NOT SLAG)

37L CARDUZO seems limited to a possible circle of rocks in EU 3. "Following" CARDUZO seems to have landed us on top of a US line that may be related to the E basal line, or the E summit edge

Have added EU 18 to N of EU 7. It is irregular; 125 m EU X 0.9 m N-S. Following unclear K+15 construction.

22 April/04

37N Excavation EU 5, W of clear part of SPRINGFIELD
IN top 10 cm, BS, 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 FRAUCONIA, S side, 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

THE FOLLOWING INFORMATION IS FOR THE USE OF THE PERSONS TO WHOM IT IS FURNISHED.

1. This information is to be used for the purpose of determining the eligibility of persons for admission to the United States.

2. It is to be used for the purpose of determining the eligibility of persons for admission to the United States.

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(3)

Str. 267 22 April 2nd list

- 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 BD

- 37N/010 EU 5, placed to W of EU 4, trying to find W side
Springfield, 10 cm level to 52 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
5 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 (ROSHYAN) to N
dug to 49 cm BD; only 1 piece of chert

37Q/008 EU 6, going deeper to find W basal wall

- 37Q/014 EU 7 following CARDOSO to North, depth ¹⁰¹ ~~70~~ cm BD

- 37L/015 EU 8 following CARDOSO, west think, to N; odd shaped
unit 1.25 m E-W X 0.9 m NS; 90 cm BD

- 37H/016 EU 9, located W of EU 6, to cm BD

- 37S/001 EU 1 following METROCENTER to W, along its W face
down to 18 cm BD; W of axial @ its EU 11

- S/002 EU 2 looking for Warner TALOMA PARK to 18 cm
BSD

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, floaking 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 oval -- about 2m E-W

37T In EU 3, TACOMA PARK seems to stop; but there is no clear N-S side line. In same cut (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 370), or VIRGINIA SQ. (also seen in 370, 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 BT 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].

MAINBART 17 (Nov 9) New York, N.Y. and 10, 11
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[illegible]

2. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ (Probability of getting 2 heads)

Q) How is the γ ray produced in the nucleus? (2017)

more control over self and the people around them. (TAMM 4.2.1.2)

Oct 1968 - 1970 - 1972 - 1974 - 1976 - 1978 - 1980 - 1982 - 1984 - 1986 - 1988 - 1990 - 1992 - 1994 - 1996 - 1998 - 2000 - 2002 - 2004 - 2006 - 2008 - 2010 - 2012 - 2014 - 2016 - 2018 - 2020

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② 23 April 04

374 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.

375 375 is on EU 3, to W of EU 2. Following a small line of rocks that appeared in EU 1, and the material to its west. The small wall is DUPONT CIRCLE

¶ EU 1+2 clarified the W ends of both METROCENTER (on the N) and TACOMA PARK (on the S). The 2 walls 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 NS. Other rocks are on the W margin of the EU, but look disorganized © present.

23 April

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

- 37M⁰¹² 37N, EU6 Removed 10cm topsoil, will continue down to clarify the tumble. Final depth: -48cm BCD. Found BS, lithics.

- 37Q⁰⁰⁷ EU6 Following basal well to the N to hopefully join ROSSLYN. Here, the well has continued. Found sherds, BS. Continuing N in EU7 to pursue the well. Final depth: -67cm BCD. (Dist was 49 cm)

- ? 008⁷ 37Q, EU7: New unit is 1m x 1m, following CHINATOWN to the N.

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

- 37S⁰⁰² 37S EU2: Removed another 10cm to expose the corner. Will continue W to find new construction feature. Found BS, lithics. Final depth: -18cm BCD.

- 37S⁰⁰³ 37S EU3: Moving W to chase new feature. Unit is 1m x 1m. Feature is DUPONT CIRCLE

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

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

- 018 37N, EU6: Cleared down to the level of the previous EU. Final depth: -46cm BCD. Moving into the next EU to chase a well N. Found bj, sherds, lithics.

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@ 23 April

- 37 EU7A/009: Cleared down to the base of the previous EU. Found a small amount of BS; final depth of -61 cm BCD. I'm moving

S EU3/006 on to the next EU N to meet up with Ross/W.

Q EU8/010

NEU7/03-37S/007 in EU3, following DUPONT feature, a N-S line here is 17 cm BD (S datum)

W EU1/001

T EU3/005-37S/008 EU4, to N of EU3, following DUPONT C. to N, to 77 cm from the N datum

~~Unfinished Fri.~~

- 37U/001 following FRANCONIA on its N side, to track to depth of 30 cm BD, wall, 25 cm BD on N side EU

~~Unfinished Fri.~~ - 37U/002 EU2, following N side FRANCONIA to W, to 35 cm BD

- 37N/013^{EU3} clearing S side SMITHSONIAN, to 30 cm BD; small lot

- 37N/014^{EU3} clearing S side of SMITHSONIAN³⁰ to 51 cm BD

~~Unfinished Fri.~~ 37U/015 EU8, moving W on South side SMITHSONIAN, 35 cm to 44 cm BD

Also see 26 April log list

- 37T/004 Following TACOMA PARK to E, in EU3, to 42 BD

- ~~start~~ 37T/007 EU4, S of EU2, following possible E wall line

Fri not finished [really not begun]

- 37Q/009 in EU8, to 36 cm BD, following CHINATOWN; 3 chat 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 (unvarying directions) & are removing tumble 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.

10:45 SPRINGFIELD continues in EU 9. We are terminating 37N. The workers f/ 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 RETRO 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.

AT 1000 hours the wind shifted to the south and the rain
continued to fall. The wind was strong and the rain
was heavy. The temperature was 60 degrees Fahrenheit.
The wind was strong and the rain was heavy.

At 1100 hours the wind shifted to the north and the rain
continued to fall. The wind was strong and the rain
was heavy. The temperature was 60 degrees Fahrenheit.

At 1200 hours the wind shifted to the south and the rain
continued to fall. The wind was strong and the rain
was heavy. The temperature was 60 degrees Fahrenheit.

At 1300 hours the wind shifted to the north and the rain
continued to fall. The wind was strong and the rain
was heavy. The temperature was 60 degrees Fahrenheit.

At 1400 hours the wind shifted to the south and the rain
continued to fall. The wind was strong and the rain
was heavy. The temperature was 60 degrees Fahrenheit.

At 1500 hours the wind shifted to the north and the rain
continued to fall. The wind was strong and the rain
was heavy. The temperature was 60 degrees Fahrenheit.

② 20 April 04 ^{5th}

37S In S, a ~~5th~~ EU has been added to W 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 W. The top of DUPONT is approx. @ the level of the middle to bottom of TACOMA PARK and MET-RO CENTER. Therefore DUPONT may predate those 2 construction units. DUPONT may have been covered in the last version of the Str.

In EU 4, DUPONT is in poor shape, but a Padlock blade came from the bottom 10 cm of the excavation. In EU 6, to E of EU 5, between it & axial, have gone down 2m to top of BT level. DUPONT is apparently covered by BT.

37T The E end of ^{TACOMA} PARK was found in EU 2. EU 3 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 EU 5, SMITHSONIAN does not appear. In the W side of EU 5 is a high set of small rocks, possibly a pavement. Will extend to EU 6 to examine.

37W In EU 3, FRANCONIA hits a N-S running construction unit, the E side of a "rock block." We will next move W along the new line, looking for its NE corner.

The new line is VAN NESS; runs N-S. Moving into EU 4 to follow it to N.

③ 26 April 84

37S Workers have dug in ^{in EU 5} to 87 cm B ^{North} ~~South~~ D, following DUPONT C., which seems to be in poor condition. A wide blade of Pacheco obsidian came from the lower 10 cm of the lot 37S/010.

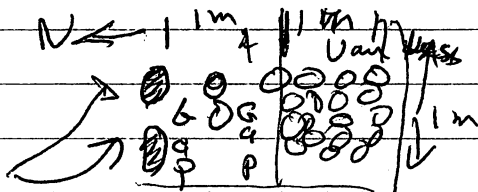
IN EU 6, we are taking it down to BT level to see relationship between BT and DUPONT C.

BT level covers DUPONT C. in EU 6, but it didn't in EU 5 to the S of 6. The BT seems to come up to METRO CENTER, then stop. So ~~of~~ ~~TACOMA~~ PARK. BT level is lower, though it may not come as far ~~Near Tacoma~~.

37T In EU 6, 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 EU 6. Will pursue this in EU 7, to be placed just W of EU 5, so that it joins up axial trench.

37W IN 37U, VAN NESS may be only 1 to 1.3 m long N-S. In EU 7 there seems to be ~~at least~~ a gap between VAN NESS and next 2 rocks, then between those 2 and next possible line.

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



④ 26 April

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

Going deeper, some lit #, little is appearing by 1:20.

AB terminated @ 1:50. The end of DUPONT is in EU 4 of 37S.

37Q Have dug below base of CRYSTAL C. in EU 9. Moving ~~S~~ S to EU 8, 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 EU 8, 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, possible line is a lower level of rocks, flatter in appearance than the tumble above it. This may also be a line

1:08 Inside tumble a line is appearing @ about ^{where} CRYSTAL's extension should be. CHINATOWN may have been imaginary; however, the 2 stacked rocks do line up w/ the large EW rock in 37W

1921

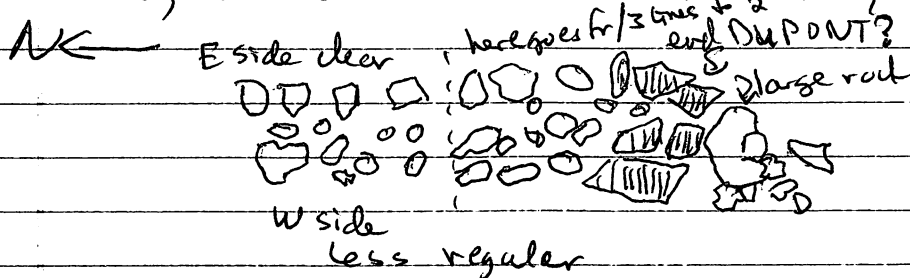
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[illegible][illegible]

20.244 21 May (Wed) + Work at Kew, perhaps
20.245 22 May (Thurs) + Work at Kew, perhaps
20.246 23 May (Fri) + Work at Kew, perhaps

36
 ② ~~27~~ April

37S DUPONT C. is well-preserved on its S end. There it is 3 cobble / 1 cm with. A single large cobble (x cm) lies S of the probable end, & may be tumble on part of DUPONT. Overlying and slightly S of large rock are smaller ones, 10-15 cm in diameter. They look tumblers



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 W, but the W side wavers to E side

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 BT @ the base of excavation, @ 24 cm BSD. TACOMA PARK's bed is 12 cm BSD. TOP of new feature FARRAGUT is 7 cm BSD @ max

③ 24 April

370 Moving N into EU 8 again, cutting down & 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

370 Reopened Q to look for bases of AU and BETHESDA. The RJ 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 69

S Datum

- 37W/003 EU 3 gs to 35 cm BD¹ following N side FRANK-
CONIA to W, and following E side Van Ness Construction
- 37W/004 EU 4, following VAN NESS construction feature to N, at 27 BD
and on N side of
- 37AB New EU 5 of 37S, following DUPONT C, to S gs to cm B South D
- 37S/1009 EU 5, N of EU 4, ^{at surface} in topsoil to 66 cm BD using
N Datum
- * 37S/1010 second lot in EU 5, following DUPONT C. to
N, ~~37~~ 87 cm BD, from N Datum
- 37S/1011 Moving into EU 6, looking @ E side DUPONT C, to 66 cm
following top of BJ level. BND
- 37S/1012 Piercing BJ floor to get @ DUPONT in EU 6, to ^{about} 58 cm,
level
- 37Q/1012 In EU 9, to 44 cm BSD, coming down to BJ ^{level}
- Q/1013 EU 9, to 54 cm B ^{at} South Datum, and below BJ
level + under tumble
- Q/1014 EU 9, deeper to end base of CRYSTAL C., 65 ^{BSD} cm ~~at~~
- Q/1015 EU 8, looking for CHINATOWN NW corner, to 57 cm BSD
- Q/1016 EU 7, looking for CHINATOWN by removing rocks to 42 cm --
~~EU 7, looking for CHINATOWN by removing rocks to 42 cm --~~
~~EU 7, looking for CHINATOWN by removing rocks to 42 cm --~~ ^{cleaning lot}
- 37N/1015 EU 8, on S side of SMITHSONIAN to its W end
to 44 cm below S Datum also on 23 April last
- 37N/1016 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 7 (i.e., W of EU 5), looking @
new construction FARRA GUT to 25 cm B South Datum

(5)

24 April 04 LOT List 2

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

- 37U/005 In EU 5, irregular unit 80 cm N-S x 1.2 m E-W, Not large rock one that lies 1 m N of N edge of VAN NESS, to 27 cm BSD
- 37U/004 Blk 6, to W of EU 4, looking for W end VAN NESS to about 55 cm B.D.
- 37S/013 From BT level to 50 cm B.D., looking for Inside DUPONT

- 37Q/017 EU 7, cutting E into probable tumble, looking for CHINATOWN &/or CRYSTAL; among rocks; to 49 cm BSD as measured on dirt approximately @ base of what may be a line
- 37Q/018 EU 8, putting into dirt (down) and E into tumble, looking for W str baseline; to 62 cm BSD

~~37T/010~~ Terminated after 37T/009

- 37Q/021 following DUPONT N, to ^{about} 58 cm B.D., EU 1 UNFINISHED MONDAY

- 37O/ EU 6 Going down into BT level E of AU, Lot 37O/019 BETHESDA rock block, looking for Construction unit base. TO ? cm B.D.

28 April All pits to W + S of stake
202 HD/001 50x50 cm probe, 1st in line

topsoil to 1 cm
soil hard, breaking into clumps
general color 10YR 3/1.5 very dark gray to very dark grayish brown
inclusions $\approx 20\%$, subangular, from silt + 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
10YR 4/3.5 or even rounded; mostly subrounded

shards; 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

28 April 04

202 HD 1003 continued - particles angular to sub rounded, w/ a few rounded
soil hard, feels gritty & angular

layer 3 very hard, gritty, breaking into chunks - ²cont crumbly
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
sheds & chert: sheds look worn; chert not clearly
used or shaped

✓ 202 HD 1004 @ 15 m

topsoil as before -- gray, hard & clay & silt
inclusions 15-20%, rounded to sub angular
some larger than ~~the~~ coarse sand, up to 5 mm
mostly silt & fine sand
color 10YR 3/2 to 2.5Y 3/2

hard on drawing has 4 layers, dividing topsoil into
2 layers

Pat's layer 2 is herat layer 3

layer 2 hard, gritty, difficult to crumbly, reddish
inclusions: about 30%, as large as 10 mm
very angular (the large pieces) to rounded
but most sub angular & 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 chert; brown

layer 3, hard, somewhat gritty

inclusions -- lots of mica; size is silt to medium
sand, though most are fine sand or smaller
also very angular to rounded, but most sub-rounded

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③ 28 April 14

202 HD/004 to sub angular

color 10 YR 4/4 dark yellowish brown
sherds, apparently no lithics; a few
sherds are discolored by 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 2.5 Y 3 / 1.5 Very dark grayish brown to
dark olive brown

layer 2 hard, gritty, breaks into clump

~ 30-35% inclusions; silt to coarse sand
angular to rounded, though most subangular
to sub rounded

somewhat mottled darker & lighter

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

very dark to dark grayish brown

black

at very bottom coming to a yellowish layer

some as layer 2, w/ more mica 10 YR 3.5 / 3

dark yellowish brown

sherds -- fewer than HD/005, more than 001-004
no lithics seen

sherds in good condition; poss. discoloration by heat

Page 72

Administrative Procedures

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.

2. Once the problem is identified, the next step is to develop a plan of action. This plan should outline the steps that will be taken to address the problem, including the resources that will be needed and the timeline for completion.

Page 73

Administrative Procedures

3. After a plan has been developed, it is important to implement the plan. This involves putting the plan into action and monitoring progress. It is important to stay flexible and adjust the plan as needed based on the results of the implementation.

4. Finally, once the plan has been implemented, it is important to evaluate the results. This involves assessing the effectiveness of the plan and identifying any areas for improvement. This evaluation should be used to inform future planning and implementation efforts.

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Administrative Procedures

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.

④ 28 April 04

202HD/006 @ 25m

earth very hard -- difficult to get shreds out
gradation from top to bottom, but basically

2 layers

shreds go into lower layer -- shreds don't
20-25 cm BGS

layer 0 gritty (some what), hard, clumpy

20% inclusions lots of roots

silt/clay to 1 cm, most fine to medium sand
angular to rounded, most subangular to
sub rounded

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 shreds -- more in dirt, but can't
be extracted due to hard ness 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 @ 30m

Soil grades br/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
sub rounded

color 10 YR 3/2 to 10 YR 3/2 to 2.5Y 3/1 very dark gray

Page 1 of 1

2000/11/05

The first step of the process is to identify the problem.

It is important to understand the nature of the problem.

2000/11/05

The second step is to analyze the problem and its causes.

It is important to understand the nature of the problem.

It is important to understand the nature of the problem.

2000/11/05

The third step is to develop a plan of action.

It is important to understand the nature of the problem.

The fourth step is to implement the plan.

It is important to understand the nature of the problem.

2000/11/05

The fifth step is to evaluate the results.

It is important to understand the nature of the problem.

The sixth step is to make adjustments as needed.

It is important to understand the nature of the problem.

2000/11/05

The seventh step is to document the process.

2000/11/05

The eighth step is to review the process.

It is important to understand the nature of the problem.

The ninth step is to make improvements.

It is important to understand the nature of the problem.

The tenth step is to implement the improvements.

2000/11/05

The eleventh step is to evaluate the results.

⑤

28 April

202 HD/007 layer 2 hard, gritty

inclusions: silt to 5 mm, mostly silt - fines sand
mostly white; poorly sorted; mostly angular to
sub angular, but also sub rounded & 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 ③ hard, very gritty; ~ 40% inclusions; very
poorly sorted; up to 12 mm diam; angular to rounded,
mostly sub angular to sub rounded; 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 2.5Y 3/2-3/3
very dark grayish brown to dark olive brown

this layer is @ base of pit

sheds in good condition; no cobbles seen

202 HD/008 Basically a gradation fr/ top soil to a basal, ^{more} orange clay
35 m layer ① hard, root-rich, clumpy, few inclusions

inclusions less than 5%; mostly fine sand, but up
to 3 mm; poorly sorted; mostly sub angular to sub-
rounded

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, clumpy

inclusions: very poorly sorted, up to 11-12 mm diam;
angular to rounded, mostly sub angular to sub rounded

at least 40-45% inclusions; color 10YR 3/2 to 4/2

104875

2/11/2018 - 41st birthday, about 1000 ft. in elevation
 at Mt. Mansfield. Forest of spruce & fir, some
 alders & birch. Snow on the ground, but mostly
 on the mountain peaks. The forest is very
 dense. The ground is covered with
 snow. The forest is very dense. The
 ground is covered with snow. The forest
 is very dense. The ground is covered
 with snow. The forest is very dense.

8/2-010 212.6 1 1000 1000 900 1000

10/10/1914

1920-1921

the first time I have ever seen a man of color in a suit and tie.

1/E 1/2 C 1/4 1/8 1/16 1/32 1/64 1/128 1/256 1/512 1/1024 1/2048 1/4096 1/8192 1/16384 1/32768 1/65536 1/131072 1/262144 1/524288 1/1048576 1/2097152 1/4194304 1/8388608 1/16777216 1/33554432 1/67108864 1/134217728 1/268435456 1/536870912 1/1073741824 1/2147483648 1/4294967296 1/8589934592 1/17179869184 1/34359738368 1/68719476736 1/137438953472 1/274877906944 1/549755813888 1/1099511627776 1/2199023255552 1/4398046511104 1/8796093022208 1/17592186044416 1/35184372088832 1/70368744177664 1/140737488355328 1/281474976710656 1/562949953421312 1/1125899906842624 1/2251799813685248 1/4503599627370496 1/9007199254740992 1/18014398509481984 1/36028797018963968 1/72057594037927936 1/144115188075855872 1/288230376151711744 1/576460752303423488 1/1152921504606846976 1/2305843009213693952 1/4611686018427387904 1/9223372036854775808 1/18446744073709551616 1/36893488147419103232 1/73786976294838206464 1/147573952589676412928 1/295147905179352825856 1/590295810358705651712 1/1180591620717411303424 1/2361183241434822606848 1/4722366482869645213696 1/9444732965739290427392 1/18889465931478580854784 1/37778931862957161709568 1/75557863725914323419136 1/151115727451828646838272 1/302231454903657293676544 1/604462909807314587353088 1/1208925819614629174706176 1/2417851639229258349412352 1/4835703278458516698824704 1/9671406556917033397649408 1/19342813113834066795298816 1/38685626227668133590597632 1/77371252455336267181195264 1/154742504910672534362390528 1/309485009821345068724781056 1/618970019642690137449562112 1/1237940039285380274899124224 1/2475880078570760549798248448 1/4951760157141521099596496896 1/9903520314283042199192993792 1/19807040628566084398385987584 1/39614081257132168796771975168 1/79228162514264337593543950336 1/158456325028528675187087900672 1/316912650057057350374175801344 1/633825300114114700748351602688 1/1267650600228229401496703205376 1/2535301200456458802993406410752 1/5070602400912917605986812821504 1/10141204801825835211973625643008 1/20282409603651670423947251286016 1/40564819207303340847894502572032 1/81129638414606681695789005144064 1/162259276829213363391578010288128 1/324518553658426726783156020576256 1/649037107316853453566312041152512 1/1298074214633706907132624082305024 1/2596148429267413814265248164610048 1/5192296858534827628530496329220096 1/10384593717069655257060992658440192 1/20769187434139310514121985316880384 1/41538374868278621028243970633760768 1/83076749736557242056487941267521536 1/166153499473114484112975882535043072 1/332306998946228968225951765070086144 1/664613997892457936451903530140172288 1/1329227995784915872903807060280344576 1/2658455991569831745807614120560689152 1/5316911983139663491615228241121378304 1/10633823966279326983230456482242756608 1/21267647932558653966460912964485513216 1/42535295865117307932921825928971026432 1/85070591730234615865843651857942052864 1/170141183460469231731687303715884105728 1/340282366920938463463374607431768211456 1/680564733841876926926749214863536422912 1/1361129467683753853853498429727072845824 1/2722258935367507707706996859454145691648 1/5444517870735015415413993718908291383296 1/10889035741470030830827987437816582766592 1/21778071482940061661655974875633165533184 1/43556142965880123323311949751266331066368 1/87112285931760246646623899502532662132736 1/174224571863520493293247799005065324265472 1/348449143727040986586495598010130648530944 1/696898287454081973172991196020261297061888 1/1393796574908163946345982392040522594123776 1/2787593149816327892691964784081045188247552 1/5575186299632655785383929568162090376495104 1/11150372599265311570767859136324180752990208 1/22300745198530623141535718272648361505980416 1/44601490397061246283071436545296723011960832 1/89202980794122492566142873090593446023921664 1/178405961588244985132285746181186892047843328 1/356811923176489970264571492362373784095686656 1/713623846352979940529142984724747568191373312 1/1427247692705959881058285969449495136382746624 1/2854495385411919762116571938898990272765493248 1/5708990770823839524233143877797980545530986496 1/11417981541647679048466287755595961091061972992 1/22835

~~Don't tell me the paper's bad~~

[Faint handwritten notes across the top of the page]

~~10-21 1955~~

1. What is the purpose of the experiment?

Sp. 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 9

1/10/1911. 1st day of the month.

2019年12月10日

2/15/05/85401-000; 2/15/05/0171-01 tank

28 April 04

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

202 HD/009 @ 40 m; gradation of top soil 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 sub rounded

color: mottled w/ black 5Y 2.5/1

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

artifacts: lots of seeds in good condition; no lithics

202 HD/010 @ 45 m

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

layer ① fine texture, hard; few visible inclusions

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

color 10YR 3/1 to 3/2

July 20, 1964

1. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

On 10/10/86 I was contacted by the
author of the book "The Great
Lakes and the World". The author
was interested in the book and
wanted to know if it was available.
I told him it was and he wanted
to see it. He said he would come
to the library to look at it.

1. What is the purpose of the study?
 2. What are the research questions?
 3. What are the hypotheses?
 4. What are the independent and dependent variables?
 5. What are the control variables?
 6. What are the limitations of the study?
 7. What are the conclusions?
 8. What are the implications of the study?
 9. What are the future research directions?
 10. What are the ethical considerations?

[illegible][illegible]

2/5 d'1/E 9/101 roles

② 28 April 04

202 HD/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: 10 YR ~~3/4~~ ~~4/4~~ 3/3 to 3/2, patches of 3/4

layer ③ inclusions: poorly sorted; angular to subrounded;
up to 5 mm, but most fine sand to coarse sand;
about 35% inclusions,

color ④-2.5 YR 3/3 - 3/4, approaching 10 YR 3/4
artifacts: 1 piece per liter; goodly number of sherds,
in good condition; some altered colors for retarding,

@ 50 m

202 HD/011 again, gradation & black topsoil to redder
basal layer; gray & black go deeper here

layer ① same as layer 4, 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 & some
silt, & pieces up to 8-10 mm; mostly white

color mostly 2.5 Y 3/2, w/ some 10 YR 3/2 mottled

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 cm
across also seen; 40-50% inclusions; very
angular to rounded, most sub angular to
sub rounded

color: 10 YR 4/3 to ^{gone} 4/4 to 3.5/3

artifacts: 2 chert; sherds in good condition
definite after after due to heat.

⑧ 28 April

2024D/012 @ 55 m

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

~~in~~ layer ① inclusions heavier than 1011
inclusions: moderately to well sorted; silt to medium sand; about 5%; subangular to unlikely subrounded; mostly white; some pebbles to 8 mm
color 2.5YR 3/1 to 10YR 3/1

layer ② sample G/base

inclusions: poorly sorted, up to 8 cm diameter; about 35% inclusions; very angular to subrounded, most subangular

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

artifacts: sherds only, clearly w/ heat alteration

202

HE/00/00 m

sherd level @ 10-12 cm BAS; below that is 2nd layer base is yellow-brown clay

top soil layer ①: inclusions up to 1.5 cm

inclusions: poorly sorted; angular to rounded; but mostly subrounded to subangular; no more than 5% inclusions

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

layer ② inclusions: more mica; moderately sorted; rounded to subangular; 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 subangular to subrounded; lots of mica & white flecks; about 35%; color 7.5YR 3.5/3

② 28 April 04

202 HE/002

3 layers; steds @ 8-12 cm BGS; color change below ^{steds}
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 1 cm
angular to sub rounded; hard to tell % of inclusions
due to fine mica & white stuff, but probably 25-35%
color: 7.5 YR 3/2 to 10 YR 3/2

Layer ③ gritty, mottled w/ gray & black

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

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

artifacts; lots of steds; many w/ color alterations

202 HE/003 @ 10 m; 3 layers

layer ① gritty; roots; more inclusions than most top soil
Inclusions; moderately sorted; perhaps ~~5~~ 10%;
sub angular to sub rounded; silt to medium sand
color: 10 YR 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 1 cm
color 10 YR 3.5 / 2

layer ③ inclusions poorly sorted; very angular to sub-
rounded, mostly sub angular to sub rounded;
clay to very coarse sand to 6-8 mm, mostly
silt to fine & medium sand. Approx 35%
color: mostly 7.5 YR 3/3 to 3/3.5, also 10 YR
3/3

—

.....

100

Figure 1 is a line graph showing the percentage of total sample for each age group (0-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75+) across different years (1970, 1980, 1990, 2000, 2010, 2020). The y-axis ranges from 0 to 100. The x-axis shows the years. The graph shows a general trend of decreasing percentages for younger age groups and increasing percentages for older age groups over time.

| Country | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| Japan | 7 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 |
| Germany | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| France | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Italy | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| Spain | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| Sweden | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| United Kingdom | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| United States | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| Canada | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| South Korea | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| China | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| India | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Brazil | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| South Africa | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| Indonesia | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| Nigeria | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| Kenya | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| Uganda | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| Zambia | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| Malawi | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| Mozambique | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| Angola | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| Guinea | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| Sierra Leone | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| Liberia | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Ivory Coast | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| Ghana | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| Senegal | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 |
| Mali | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| Niger | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| Chad | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| Sudan | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| Ethiopia | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 |
| Somalia | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| Yemen | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
| Oman | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
| Qatar | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
| UAE | 46 | 47 | 48 | 49 | 50 | | | | | | |

10

| Condition | 1000 (solid line) | 10000 (dashed line) |
|-----------|-------------------|---------------------|
| 1 | ~65% | ~55% |
| 2 | ~70% | ~60% |
| 3 | ~75% | ~65% |
| 4 | ~80% | ~70% |
| 5 | ~85% | ~85% |

10

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971). The concentration of chlorophyll was expressed as $\mu\text{g mL}^{-1}$ of the sample.

100

Figure 1 is a line graph showing the percentage of total energy expenditure (TEE) for different activities over a 24-hour period. The Y-axis is 'Percentage of TEE' (0-100) and the X-axis is 'Time of Day' (0-24). The activities and their approximate percentages are:

| Time of Day | Sleeping | Resting | Walking | Standing | Sitting | Eating |
|-------------|----------|---------|---------|----------|---------|--------|
| 0 | 30 | 10 | 5 | 5 | 5 | 5 |
| 4 | 35 | 10 | 5 | 5 | 5 | 5 |
| 8 | 30 | 10 | 10 | 10 | 5 | 5 |
| 12 | 25 | 10 | 15 | 15 | 5 | 5 |
| 16 | 20 | 10 | 15 | 15 | 5 | 5 |
| 20 | 30 | 10 | 10 | 10 | 5 | 5 |
| 24 | 30 | 10 | 5 | 5 | 5 | 5 |

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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; reddish brown clay @ bottom of pit

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

layer ② color 10YR 3/2

Inclusions: mica, fine white, mostly silty fine sand

layer ③ mottled of 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

202 HE/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 mottlings

color: 7.5YR 4/3

layer ④ basal clay mottled of 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

202 HE/006 @ 25 m

layer ① black/gray topsoil

layer ② poorly sorted; ²⁵30-35% inclusions; angular to sub-round; 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

10/10/1988

Mr. [Name] [Address] [City] [State] [Zip]
[Name] [Address] [City] [State] [Zip]
[Name] [Address] [City] [State] [Zip]
[Name] [Address] [City] [State] [Zip]

10/21/88 1000/5H100

Mr. [Name] [Address] [City] [State] [Zip]
[Name] [Address] [City] [State] [Zip]

11/01/88 1000/5H100
[Name] [Address] [City] [State] [Zip]

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③ 24 April 04

202HE/17 @ 30 m; red clay starts higher here, about 15 cm BGS
layer ① & ② skipped

layer ③ poorly sorted; most inclusions silt to fine sand, but
up to 8 mm; roughly 40% inclusions; very angular to
subangular; most subangular to subrounded
color: 5YR 3/3 to 3/4; at 7.5YR 3/3

202HE/008 3 levels, red clay high, \approx 15-20 cm BGS; sherds
@ 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, \approx 20 cm; little transitional
layer here

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

~~into~~ layer ② like 202HE/008

layer ③ mottled w/ black & gray, from 2 mm to \approx 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 mottled, not black
ones)

202HE/010 @ 45 m

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

1. Thymus vulgaris - Common Thyme - Herb - Medicinal

1832-1834

1. A. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

817 117 9 97-4

$\frac{1}{2} \log \frac{1}{2} = -\frac{1}{2} \log 2 = -\frac{1}{2} \times 0.3010 = -0.1505$

✓ DPCC SRG-C

English to English

[illegible]

W. J. H. [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

$\frac{1}{2} \times 100 = 50\%$

2023 7-10 (10/2/21) 2/10/21 Name + phone

22 April 04

202HE/010 (cont.) little transition to red clay, which starts @ 20 cm about
layer ① ② as before

layer ③ mottled w/ black & gray silt/clay m to 1 cm & in
streaks about 3-5 mm with

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 @ 50 m Pit has lots of white flecks, up to ^{carbon} ~~1 cm~~ ^{larger}
rock \approx 5-8 cm, through all layers; red clay
starts @ 10 to 15 cm, w/ very little transition

layer ① more pebbly than other top soil layers, w/ material
up to 5-6 mm / 1 cm; 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 ② very poorly sorted; up to 1 cm pieces; very angular
to sub rounded; mottled 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 @ 55 m Basically 2 layers; top soil; 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 sub rounded, w/ a few very angular
perhaps 25-30% inclusions

color 10 YR 3/2, to whit w/ gray

layer ② virtually invisible

layer ③ very poorly sorted; pieces up to 1.5-2 cm;
most silt to ~~fine~~ coarse sand; dark flecks, some
actual carbon; 40-50% inclusions; most sub angular to
sub rounded; color 7.5 YR 3/3

1. The first part of the paper is devoted to a discussion of the

general case of the problem.

2. In the second part we consider the special case of the

problem when the function is

linear. In this case the problem can be solved by the

method of Lagrange multipliers.

3. The

third part of the paper is devoted to a discussion of the

problem when the function is

quadratic. In this case the problem can be solved by the

method of Lagrange multipliers.

4. The fourth part of the paper is devoted to a discussion of the

problem when the function is

cubic. In this case the problem can be solved by the

method of Lagrange multipliers.

5. The fifth part of the paper is devoted to a discussion of the

problem when the function is

quartic. In this case the problem can be solved by the

method of Lagrange multipliers.

6. The sixth part of the paper is devoted to a discussion of the

problem when the function is

quintic. In this case the problem can be solved by the

method of Lagrange multipliers.

7. The seventh part of the paper is devoted to a discussion of the

problem when the function is

sixth degree. In this case the problem can be solved by the

method of Lagrange multipliers.

8. The eighth part of the paper is devoted to a discussion of the

problem when the function is

202HE/013 @ 60 Red clay begins @ 10 cm BGS on pit 15
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: 10 YR 3/2

layer ② basically none, but slight color variation
color: between 7.5 YR & 10 YR chart

layer ③ poorly sorted, though most particles are sub-
angular to subrounded; mica present, as are black
mottles & poss. carbon

color 7.5 YR 3.5/3 to 7.5 YR 3.5/4

202HE/014 @ 65 in general, clay color lighter, less red
clay starts at about 10-15 cm BGS. top soil
looks more like a transitional level than the regular
top soil

layer ① pebbly; very ~~poorly~~ poorly sorted; very angular to
subrounded; mostly silt to coarse sand; about 25-30%
color 10 YR 3/1.5

layer ② ③ bulk of soil; many mottles up to several
cm; poorly sorted; some mica; mostly in
silt to medium sand range; carbon flecks
color 10 YR 4/3

layer ③ @ base: very poorly sorted; very angular to sub-
rounded, 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 10 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 3 cm; mostly angular to subrounded

11/14/90 123-291 group 1 job 128 on 2 11/14/90

2013.08.21. Székely, Zoltán. 1911.08.21. 11.2 M

[illegible]

of 3701 2010: 41 mg/kg dry weight

1. What is the purpose of the experiment?

Case 2:98-0476-C

10-10-1944

1. What is the purpose of the study?

Mr. Lloyd M. Jones, 2001 1/2 St. Louis

1. The first part of the document is a header section containing the following information:

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[illegible]

[illegible]

4/20/2020

1. Identifying the problem

29 April 84
③ 202 HE / 015 (cont)

color: 7.5 YR 3/4 to 5 YR 3.5/4

In general here, fine inclusions, finer texture, & lighter color from top to bottom

202 HE / 016 @ 75 m 4 levels -- top soil^{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 202 HE / 015

layer ② like 202 HE / 015

layer ③ basically layer 4 w/ rocks

layer ④ mix 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

202 HE / 017 @ 80 m 3 levels, not same depth S/ side to side: layer ① to 10 cm max on W face, but 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 ~~25~~ 1-2 transition

① poorly to very poorly sorted; up to 30% inclusions fr/ 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 sub rounded, mostly in more rounded categories; 40-45%; color 7.5 YR 3/4 to 6.25 YR 3/3 to 3/4

202 HE / 018 @ 85 m 2 layers: to soil, & rocks w/ a little clay

① no more than 10 cm thick; poorly sorted, to very poorly very angular to sub rounded; sizes to 3-4 cm; color 10 YR 3/2

③ Rocks up to 25 cm, limestone & iron rich (these smaller) reddish clay matrix

10/15/1966
10/15/1966

10/15/1966

10/15/1966

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10/15/1966

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10/15/1966

①

20 April 04

202 HE 1019 @ 90 m

layer @ \approx 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 6/2 & 8

202 HE 1020 @ 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 sub rounded
10YR 3/1 to 2/1 to 2.5Y 2.5/1

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

202 HE 1021 @ 100 m

① to 40 cm on W, 45-50 N & S
mostly fine white flecks, silty fine sand range, sub angular & sub rounded, though pebbles to 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

202 HE 1001 @ 0 m very slight color change b/ top to bottom

① & ② moderately to well sorted; white flecks mostly, stay in silt to fine sand range; perhaps 30-35%, especially @ base; sub angular to sub rounded

③ color 10YR 3/1

④ color 10YR 3/1.5 - 2

10/11/06

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⑦ 24 April 04

202 H6/002 @ 5 m slight color change @ about 25 cm; (shd in wall; none collected; some rocks to 8 cm.

① & ② exactly like 202 H6/001

① color 10YR 2.5/6 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 H6/003 @ 10 m

① topsoil like H6/003

② poorly transition small, takes only about 5 cm

③ poorly to very poorly sorted, w/ black mottling; as much as 50% in clusions, though most in silt to fine sand range; very angular to sub rounded, mostly subangular to sub rounded

color: 10YR 3/3 to 8.25YR 3/3

202 H6/004 @ 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 levels 1 & 2 in H6/001 color of ③ 7.5YR 2.5/3

towards base, more inclusions, more mottling

④ very poorly sorted; very angular to sub rounded, most sub rounded to sub angular, silt to fine sand;

or 45-50% inclusions

color: 10YR 3.5/3

@ base, rocks to 20 cm, much limestone

202 H6/005 @ 20 m 4 levels: topsoil, rocky yellow, yellow, red

① like 202 H6/004

② topsoil w/ rocks, limestone & others, up to 10 cm, perhaps a bit redder in color

24 April
64

202 HG/005 @ 20 m (cont)

- ②④ 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: 10 YR 4/3 to 4/3.5

- ④③ poorly to very poorly sorted; has lumps of ^{decaying rock} lighter clay in it; 40-45%; very angular to subrounded, mostly sub-angular to -rounded.

color mean: 8.25 YR 3/3

color clay lumps/rock: 2.5 YR 5/3

202 HG/006 @ 15 m color change fairly abrupt, below rock level

- ① about 15 cm deep; like previous lot

- ② rocky level of variable thickness, white (limestone) tan, iron-rick, etc; mostly rounded edges

- ③ transitional clay; micaceous; poorly to very poorly sorted lot of fine sand, but range of silt to coarse sand & larger; black & gray mottling

color 2.5 YR 3.5/3

- ④ very poorly sorted; highly micaceous; picks up to 2 cm lots of fine & medium sand some mottling probably 50% inclusions

color 7.5 YR to 8.25 YR 3.5/3

a few shreds in back dirt not collected; also some chest

202 HG/007 @ 30 m 4 levels

- ① top soil as before

- ② lower bleached/gray level: some mottling; well to moderate sorting; mostly silt + fine sand; ^{judge} _{6%}

color: 10 YR 3/2

1000) 200/2H 500

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24 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 5mm

color 8.25 YR 3/3

- ④ like ③ except in color; pieces up to 2cm

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 flecks, poss. some charcoal; about 50% inclusions mostly fine to coarse sand, majority subangular to sub rounded

color 8.25 YR 4/3 to 10 YR 4/3

level ② color 7.5 YR 2.5 1/3

202HG/009 @ 40m

- ① topsoil as before, roughly 10-12cm B&S

② 10 cm rocky layer w/ darker soil; rocks mostly limestone; darkest red - color 10 YR 3/2

- ③ seems lighter in color than ② moderately to well sorted; micaceous; most inclusions silt to fine sand; mottled w/ black & gray

color 8.25 YR 3/4 to 3/3

- ④ like ③, but has some poss. hematite bits

color 8.25 YR 3/4 to 10 YR 3/4

202HG/010 @ 45m

except for some larger inclusions in L ③ up to textures same in all 3 levels, colors: ① 10 YR 2/1.5 sand very angular

10 YR 3/3

② 10 YR 4/3

③

rocks make sort of a layer between ② & ③: limestone mostly

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

202 HF/01 - 50x50 - test pit, 3 soil levels: top soil, cult level clay layer. Sheds present 10-12 cm lgs.

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%

Find pit on line (0 m)

Black clay color: 2.5Y 3/1

Red clay color: 1-2.5Y ~~2~~ 3.5/2

202 HF/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 (limonite) 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 202 HF/01. color: 10YR 4/3

No visible sterd layer, few mites/cultural trans in black clay layer.

202 HF/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 limonite 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 10YR 4/3.5

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

202 HF/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, powdery, white to yellow inclusions, moderately sorted, 40% color 10 YR 3/3.5 has mic

No visible sand layer, red clay layer is black here, very clear color difference. Some large limestone clasts 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% flake of white limestone pulled into streaks, some red inclusions as well. color: 1-2.5 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, 40% in some areas, most = 40% color: 10 YR 3.5/3

layer of fine nodules between 12 + 22 cm bsp clay with limestone flake, but no visible shreds

202 HF/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; 10 YR 3.5/3 to 7.5 YR 3/3

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

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Cly Tort Pit Notes op. 202 HF

202 HF/07 - 50 x 50 - tot 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 - same inclusions,
diff color color: 10YR 7/3.5

Topsoil - black clay layers are very thin here, red clay begins at 15 cm bgs. Some limest. & pebbles/cherts in top layers. Very cracked upon drying.

202 HF/08 - 50 x 50 - tot 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 in 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 tufa/limestone in reddish clay layer 40 cm bgs, very thin black clay layer.

202 HF/09 - 50 x 50 - tot pit, 9th in line, 40

Black clay layer - same as previous color: 10YR 3/1.5
Red clay layer - in many places there are streaks of black peaty
mud into the red, sub-angular to angular inclusions, moderately sorted,
some slightly larger than a quarter inches (0.25 cm) color: 8.25YR 3.5/3
This lens bar of excavate includes lens of crushed tufa limestone
Mts. sub-angular, poorly sorted, 70% color: 10YR 5/3 to
colors on 7.5YR chart

202 AF Test pits

29 Apr 04

202 AF/10 - 50 x 50 cm test pit, 10th in line, 45m S of N end of line

hand with
Black clay layer - same as previous, color: 10 YR 3/1.5
Red clay layer: very fine, sandy, inclusion, sub-angular, well-sorted 35%, very smooth shiny surfaces (ie when should scapula?)
Some root activity (closer to surface here). Fewer visible inclusions than in other areas. color: 7.5 YR 3.5/3 - 3.5/4
Yellowish clay layer - below red clay, grades into yellow-red color, more inclusion, larger inclusions (up to 0.3cm), poorly sorted, 38% color: 10 YR 4/3-5 has mica

202 AF/11 - 50 x 50 cm test pit, 11th in line, 50m S of N end of line

mic
Black clay layer - same as above, color: 10 YR 3/2
Red clay layer - some root activity, some inclusions - tiny clumps (0.75-1cm), fine sandy sub-angular inclusions, poorly sorted, 35%, color - 8.25 YR 3.5/3
Red clay grades into a more yellowish-red layer at the base of excavation; color: 10 YR 4/3
Some large (8-10cm) inclusions in red clay level

202 AF/12 - 50 x 50 cm test pit, 12th in line, 55m S of N end of line

mz
Black clay layer - same as above, color: 10 YR 3/1.5
Red clay layer - sub-angular to sub-rounded, poorly sorted, 35%
See very lg. inclusions (0.30-0.5cm) flint, lime stone, carbon black, quartz
color: 10 YR 3.5/3-5
Yellowish-red clay - yellowish red in color, very fine inclusions, sub-angular, moderately sorted, 40%, color: 10 YR 4.5/3 to 1.25 Y 4/3

Aug 2013/ 3/1/2013

21/1/89 Kye was running at 100-120 gals/hr

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14. Liquid based smears of the smears from the same patient (P25)

continued on next card (containing 22 of 24) / 601100-000

$\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} = 0$

There is a small hole in the wall - 1/2" x 1/2" x 1/2"

28. $\log_{10} \left(\frac{1}{10} \right) = \log_{10} 10^{-1} = -1$

1960-1961

[illegible]

date/01/2001 - internal - confidential - not published - not approved

10/10/2010 10:10:10 AM

1125 E. 5th St. - 1000 - 808

all the great knowledge that I have acquired in my life

Page of 2000 2-6-2020 11:20:21

[illegible]
$$T: \mathbb{R}^2 \rightarrow \mathbb{R}^2 \text{ is a linear transformation.}$$
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$$(\mathbf{A} - \lambda \mathbf{I})^{-1} = \frac{1}{\det(\mathbf{A} - \lambda \mathbf{I})} \text{adj}(\mathbf{A} - \lambda \mathbf{I})$$

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| 2-51 | 2-52 | 2-53 | 2-54 | 2-55 | 2-56 | 2-57 | 2-58 | 2-59 | 2-60 | 2-61 | 2-62 | 2-63 | 2-64 | 2-65 | 2-66 | 2-67 | 2-68 | 2-69 | 2-70 | 2-71 | 2-72 | 2-73 | 2-74 | 2-75 | 2-76 | 2-77 | 2-78 | 2-79 | 2-80 | 2-81 | 2-82 | 2-83 | 2-84 | 2-85 | 2-86 | 2-87 | 2-88 | 2-89 | 2-90 | 2-91 | 2-92 | 2-93 | 2-94 | 2-95 | 2-96 | 2-97 | 2-98 | 2-99 | 2-100 | 2-101 | 2-102 | 2-103 | 2-104 | 2-105 | 2-106 | 2-107 | 2-108 | 2-109 | 2-110 | 2-111 | 2-112 | 2-113 | 2-114 | 2-115 | 2-116 | 2-117 | 2-118 | 2-119 | 2-120 | 2-121 | 2-122 | 2-123 | 2-124 | 2-125 | 2-126 | 2-127 | 2-128 | 2-129 | 2-130 | 2-131 | 2-132 | 2-133 | 2-134 | 2-135 | 2-136 | 2-137 | 2-138 | 2-139 | 2-140 | 2-141 | 2-142 | 2-143 | 2-144 | 2-145 | 2-146 | 2-147 | 2-148 | 2-149 | 2-150 | 2-151 | 2-152 | 2-153 | 2-154 | 2-155 | 2-156 | 2-157 | 2-158 | 2-159 | 2-160 | 2-161 | 2-162 | 2-163 | 2-164 | 2-165 | 2-166 | 2-167 | 2-168 | 2-169 | 2-170 | 2-171 | 2-172 | 2-173 | 2-174 | 2-175 | 2-176 | 2-177 | 2-178 | 2-179 | 2-180 | 2-181 | 2-182 | 2-183 | 2-184 | 2-185 | 2-186 | 2-187 | 2-188 | 2-189 | 2-190 | 2-191 | 2-192 | 2-193 | 2-194 | 2-195 | 2-196 | 2-197 | 2-198 | 2-199 | 2-200 | 2-201 | 2-202 | 2-203 | 2-204 | 2-205 | 2-206 | 2-207 | 2-208 | 2-209 | 2-210 | 2-211 | 2-212 | 2-213 | 2-214 | 2-215 | 2-216 | 2-217 | 2-218 | 2-219 | 2-220 | 2-221 | 2-222 | 2-223 | 2-224 | 2-225 | 2-226 | 2-227 | 2-228 | 2-229 | 2-230 | 2-231 | 2-232 | 2-233 | 2-234 | 2-235 | 2-236 | 2-237 | 2-238 | 2-239 | 2-240 | 2-241 | 2-242 | 2-243 | 2-244 | 2-245 | 2-246 | 2-247 | 2-248 | 2-249 | 2-250 | 2-251 | 2-252 | 2-253 | 2-254 | 2-255 | 2-256 | 2-257 | 2-258 | 2-259 | 2-260 | 2-261 | 2-262 | 2-263 | 2-264 | 2-265 | 2-266 | 2-267 | 2-268 | 2-269 | 2-270 | 2-271 | 2-272 | 2-273 | 2-274 | 2-275 | 2-276 | 2-277 | 2-278 | 2-279 | 2-280 | 2-281 | 2-282 | 2-283 | 2-284 | 2-285 | 2-286 | 2-287 | 2-288 | 2-289 | 2-290 | 2-291 | 2-292 | 2-293 | 2-294 | 2-295 | 2-296 | 2-297 | 2-298 | 2-299 | 2-300 | 2-301 | 2-302 | 2-303 | 2-304 | 2-305 | 2-306 | 2-307 | 2-308 | 2-309 | 2-310 | 2-311 | 2-312 | 2-313 | 2-314 | 2-315 | 2-316 | 2-317 | 2-318 | 2-319 | 2-320 | 2-321 | 2-322 | 2-323 | 2-324 | 2-325 | 2-326 | 2-327 | 2-328 | 2-329 | 2-330 | 2-331 | 2-332 | 2-333 | 2-334 | 2-335 | 2-336 | 2-337 | 2-338 | 2-339 | 2-340 | 2-341 | 2-342 | 2-343 | 2-344 | 2-345 | 2-346 | 2-347 | 2-348 | 2-349 | 2-350 | 2-351 | 2-352 | 2-353 | 2-354 | 2-355 | 2-356 | 2-357 | 2-358 | 2-359 | 2-360 | 2-361 | 2-362 | 2-363 | 2-364 | 2-365 | 2-366 | 2-367 | 2-368 | 2-369 | 2-370 | 2-371 | 2-372 | 2-373 | 2-374 | 2-375 | 2-376 | 2-377 | 2-378 | 2-379 | 2-380 | 2-381 | 2-382 | 2-383 | 2-384 | 2-385 | 2-386 | 2-387 | 2-388 | 2-389 | 2-390 | 2-391 | 2-392 | 2-393 | 2-394 | 2-395 | 2-396 | 2-397 | 2-398 | 2-399 | 2-400 | 2-401 | 2-402 | 2-403 | 2-404 | 2-405 | 2-406 | 2-407 | 2-408 | 2-409 | 2-410 | 2-411 | 2-412 | 2-413 | 2-414 | 2-415 | 2-416 | 2-417 | 2-418 | 2-419 | 2-420 | 2-421 | 2-422 | 2-423 | 2-424 | 2-425 | 2-426 |
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010 P 2-2-1

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 - ~~thinner than~~ 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, poorly 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 - red actually; red, black, + white inclusions, sub-angular moderately sorted, 38% color: 10YR 3/2.5 to 10YR 3/2
Red clay layer - mixed inclusions, angular to subangular, lg. = 0.9 cm moderately sorted, 35% color: 7.5YR 4/3.5 black flecked, carbon poss.
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. buff inclusions, angular to sub-angular, moderately sorted, 38% color: 7.5YR 3.5/4 to 10YR 4/3.5
Yellow clay layer - base of excavation, lg. cherts of limestone (1-2 cm) poorly yellow-white sub-angular to sub-rounded, poorly sorted, 40% color: 10YR 4/3.5 to 10YR 5/3

8.25YR
4/3.5

9.0 - 10.0 to 10.2 - 209 45.50.8

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1. $\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$ - das ist die Wahrscheinlichkeit, dass es 12

$\frac{d}{dt} \left(\frac{1}{2} m v^2 + U(r) \right) = 0$

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[illegible]

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

10/18/78

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1. $\frac{1}{2} \log \frac{1}{2} = -0.5$ and $\frac{1}{4} \log \frac{1}{4} = -0.5$ and $\frac{1}{4} \log \frac{1}{4} = -0.5$ and $\frac{1}{4} \log \frac{1}{4} = -0.5$

1. $\frac{1}{2} \log \frac{1}{2}$ and $\frac{1}{2} \log \frac{1}{2}$ are the only two values of $\log \frac{1}{2}$ that are not equal to 0.

W. J. S. P. Co.

[Faint handwritten notes at the bottom of the page]

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$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

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$$p_1 + p_2 + \dots + p_n = 1$$

7/17/84

202 Clay test pits

29 Apr 04

202 HF/16 - 50 x 50 cm test pit, 16th in line, 73m S of N end

Black clay lens - same as previous, color: 2.5Y 3/2
Red clay lens / yellowish lens - back to 1 lens below black clay
a little more yellow, very fine inclusions, sub-angular, moderately
sorted, 35% 10YR 4-5/3.5

No rocky lens at the base of the pit

MICA in
these layers

202 HF/17 - 50 x 50 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

202 HF/18 - 50 x 50 cm test pit, 18th in line, 85m S of N end

Black clay layer - angular to sub-^{rounded} ~~angular~~, poorly sorted, 35%
more inclusions more of the 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 w/ limestone
fuff, and cobbles very gritty

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

505 Old Mill St

21. 12. 2022

Shelton, Aug 28, 1908, 1 mile S. W. of ... - #1

1. 2/10/2018 15:00

100-443887-100

My cell partner took his last breath on

$\frac{d}{dt} \left(\frac{1}{\sqrt{1-v^2/c^2}} \right) = \frac{v}{c^2} \frac{dv}{dt}$

2000-01-10

مجلس الشورى

[Faint handwritten notes at the bottom of the page]

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$\frac{1}{2} \times 10 \times 10 = 50$

travel to and from the "highly" and only not at

1770 - 1800 344

Process of surface weathering: physical, chemical, biological

10/26/19

202 clay test pits

29 Apr 2004

- 202 HF/20 - 50x50 - test pit, 20th in line 95m S of N end
Again, no clay layers - topsoil grade into rock layer set into fine
white mersed (color: no color). Rocks include limestone,
trass, pebbles, gravel. Taken

202 AS/21 - 50x50 - test pit, 21st in line, 100m S of N end
clay almost begins to pick up again here but it is still very, very
heavily mixed w/ rock - limestone, trass, 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 - Subop. 202 AG * *

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

202 AG/20 - 50x50 - test pit, 20th in line 95m S of N end
Very diff from AG/21 here there are no rocks/ no rocky layer & 2
levels of clay are clearly visible.

Black layer - subangular to sub rounded, poorly sorted, 40% very lg.
inclusions (up to 0.5 cm) + a little root activity. More gravel seen
to be present than in op. 202 AF. Color: 2.5 Y 3/2

Red/Yellow layer - yellow clay soil w/ large angular + sub rounded
inclusions (0.3 - 0.7 -) quartz, limestone sand. Color: mottled - close
to 10 YR 5/3
Empty lot in between layers 10 YR 4/3

505 C. 12 20 67

for a full year, and during that time (except for the first 30 days)

10/05/2015

124. 12. 1940. 12. 1940. 12. 1940.

✓ 1472 zu 1473: Einmal wieder nach dem 1. April 1473

ECONOMIST - Mr. [unclear] - [unclear] - [unclear] / W. [unclear]

11. Handwritten: $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ and $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$

505 HR 51-2020-0202-15/24 JCS

Robert Clark has been the leader of the

(vol. 10/10) $\Sigma \{E_{SIP} < 1\}$ (vol.) 128 pages

Wiederholung der -maße - und -poker an

12 months or longer for 200 million per year. (A very little)

to the 1st of Nov. 1891

Lab 8 as Lab 01 as we will not use it April 6

المادة ٧ من القانون رقم ١٧٧ لسنة ١٩٦١

[illegible]

$\frac{d}{dt} \left(\frac{1}{2} m v^2 + \frac{1}{2} I \omega^2 \right) = \tau \cdot \omega$

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$$d_1^2 + 2d_1d_2 + d_2^2 = (d_1 + d_2)^2 = 100^2 = 10000$$

→ For $\lambda = 0$, $\vec{v} = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}$ is a vector in the null space of A .

[Faint handwritten notes at the bottom of the page]

202 Clay Test pits, S of Main Grp. 29 Apr 04
202 HG/19 - SD x SD on test pit, 19th in line, 90m S of N end
On the W side the black clay grades into a very thin
portion of the red clay before dissolving into the rocky, white silt
level. Fewer rocks in this level, more white limestone-rich
early - soil. Color: between 10 YR 5 2.5 Y chart
Empty lot too mottled to do color

202 HG/18 - SD x SD on test pit, 18th in line, 85m S of N end
Very different from HG/19. This pit includes a very clear layer
of thin black + red clay, and the red clay is remarkably clear
Black clay layer - sub-angular, moderately sorted, 35%, color: 8.5 YR 3/2
Red clay layer - sub-angular, well sorted, 40%, very fine + sandy.
color: 7.5 YR 3.5/4 lots of mica
to 10 YR 3.5 / 3.5

Empty lot

202 HG/17 - SD x SD on test pit, 17th in line, 80m S of N end
Black clay - sub-angular, moderately sorted, 35%, up to 1/4 inch
Red clay - sub-angular, well-sorted, 40%, very fine, sandy medium.
Very similar to HG/18. The colors very sharp. Empty lot

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

202 HG/16 - SD x SD on test pit, 16th in line, 75m S of N end
Black clay layer - same as previous color: 2.5 Y 3/1.5
Red clay layer - very fine medium well-sorted, sub-angular, 40%
color: 8.25 YR 4/3.5
Empty lot colored in brown 10 YR 5.5/3

202 foot pits S of min group

29 Apr 09

202 AG/15 - 50x50 - test pit, 15th in line 70 m S of NW end

Black clay - same as previous color: 2.5Y 8/1.2

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 has lots of more material (very small + powdery)

202 AG/14 - 50x50 - test pit, 15th in line, 65 m S of NW end

Black sand - same as previous color: 10YR 3/1.5

Red sand - angular to sub-angular, moderately sorted, 35%

Some inclusion size up to 0.5 or 0.7 cm, some red actually - mica

color: 7.5YR 3.5/3.5

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

202 AG/13 - 50x50 - test pit, 15th in line, 60 m S of NW end

Black clay - same as previous color: 10YR 3/1.5

Red clay from this section, 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

1941/5

group in 2 of 4000

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202 AG Clay lot pits

29 Apr 04

202 AG/12 - 50x50 - bot pit ~~12~~ 12th in line 50m S of N end

Black clay - very fine gravel, fine medium, very, very small (mostly)
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 chubs

Empty lot.

202 AG/11 - 50x50 - bot 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: 10YR 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 between 2 clay layers.

Empty lot.

PO 198 MS

505 11/15/50

Handwritten notes, possibly a date and some illegible text.

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JUNQ @ Canoas

10 YR (5/3) 4/2 4/3 4/4

5 YR 5/4

poorly sorted, fine

fine sand to coarse sand mostly fine & medium sand

sub rounded roundness 0.5 sphericity 0.7

CAL @ Canoas

7.5 YR 5.5/4

5 YR 5/5

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

fine sand to coarse sand

sub angular

sphericity 5 roundness 3

PIT @ Canoas

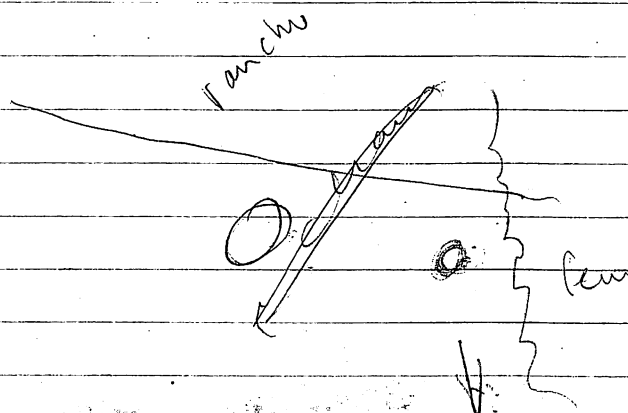
occasional temper up to $2^{2.5}$ mm (very coarse sand)

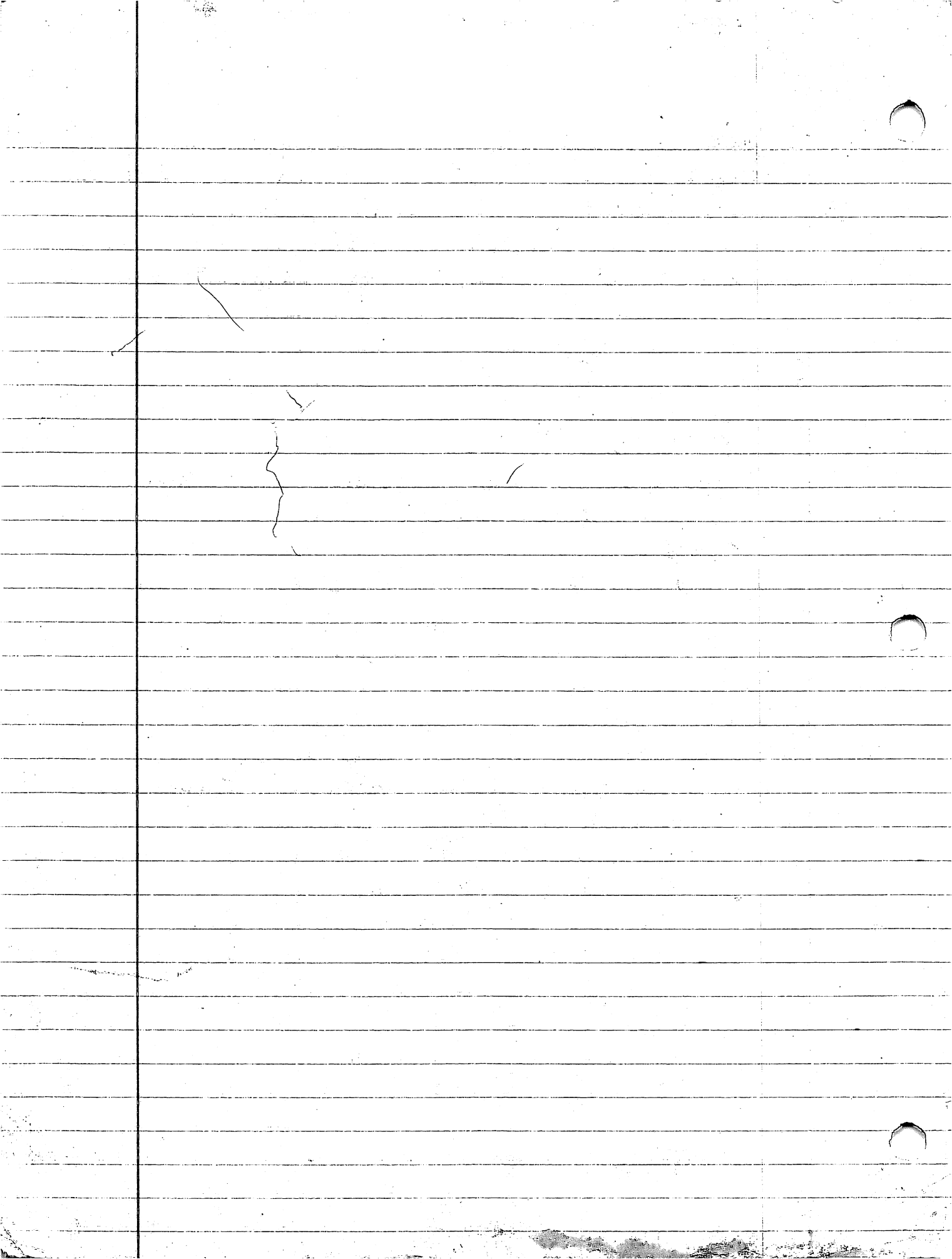
fine, poorly sorted

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

sub-rounded to sub-angular

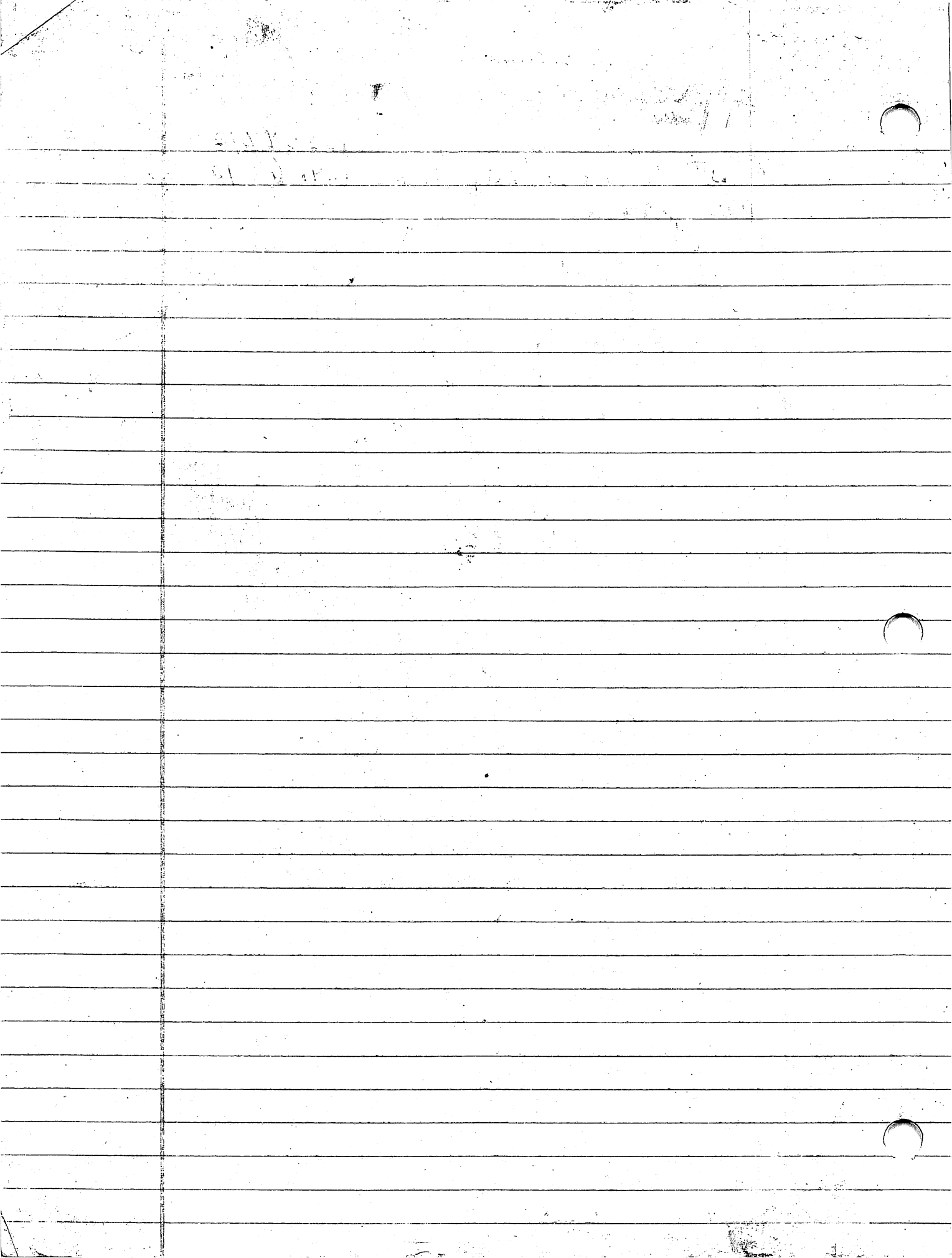
roundness & sphericity ≈ 0.7 each





2546/2

CDT: wash/slip color WYR 65/2, 6/2
part inferior



①

Marcello's stuff

6127-64-1 lot

61 = Copan Op

27 = Los Achiotas

64 = Subop

Paste orange to grayed orange. Recut ^{1 = lot} med-to-fine matrix. High inclusion content, sizes up to 3-4 mm at times. Very little range ~~all~~ the pastes: a couple on the finer end, a couple on the coarse. The ^{much} finer sherds look intrusive, prob h-cl, or pass. Pred

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

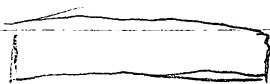
Forms: no rims in this lot. Horizontal, flattened tube conical handle (one); horizontal tube handles on globular jar necks; thin strap-on-tube vertical handles. One dimple base.

Bodies mostly seem to be jars

One possible scraper made on a tear drop form



flattness + int. finish suggest bowl base.



Morels

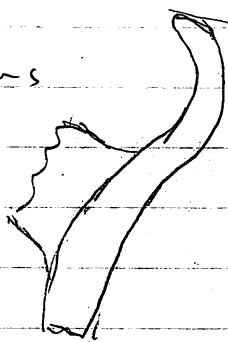
(2)

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 61-27-4-1

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 sand scraper present

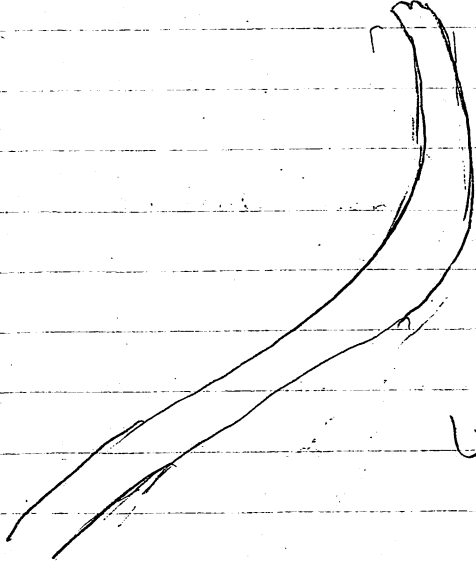


Marallo

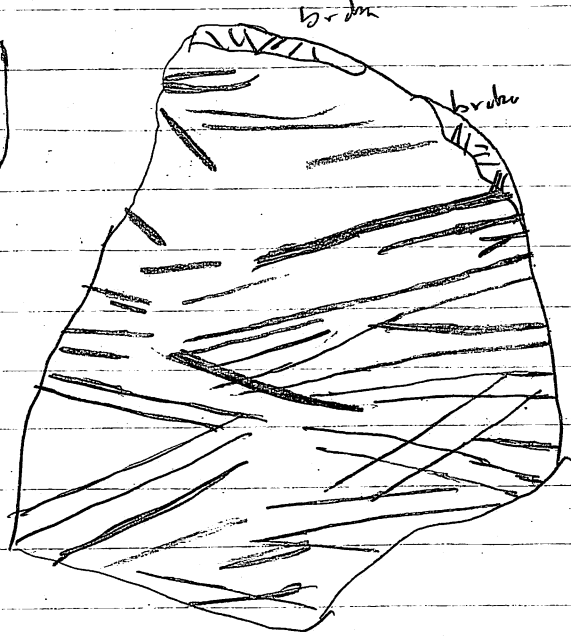
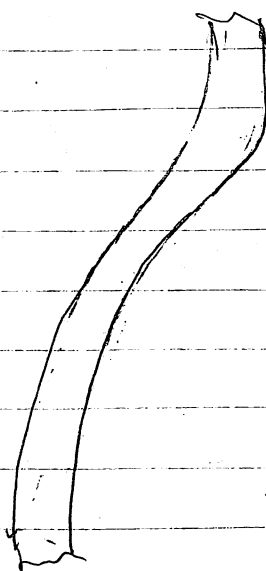
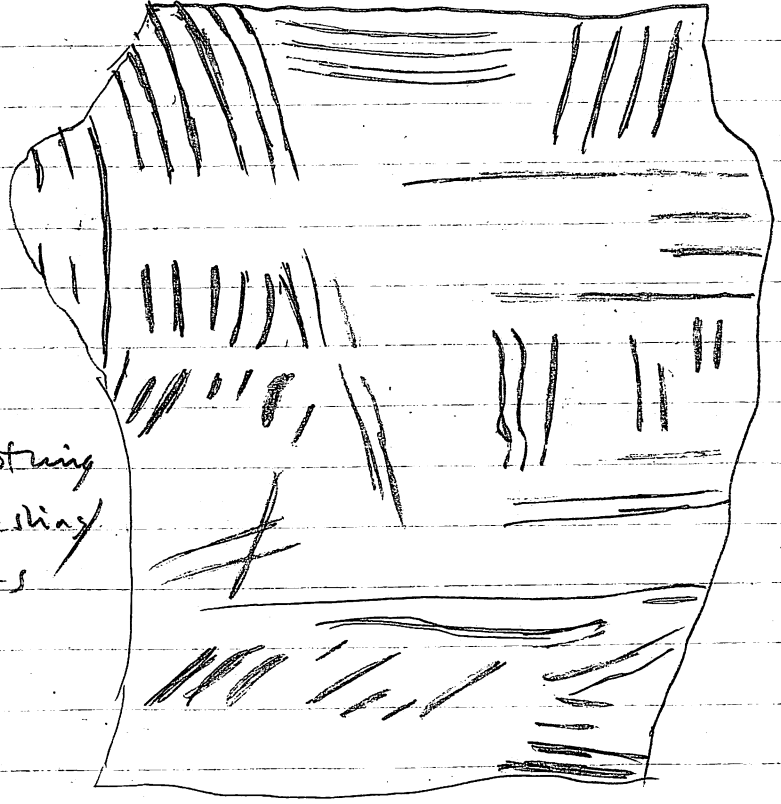
66-27-4-3

lip either broken
or ~~very~~
battered

Decorative drawn felt



light smoothing
over pressing
strations



broken

broken

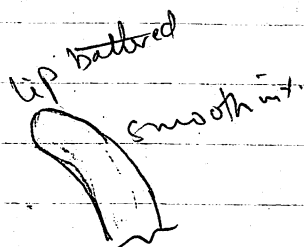
Navaho

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

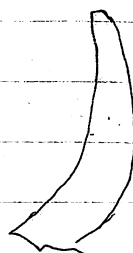
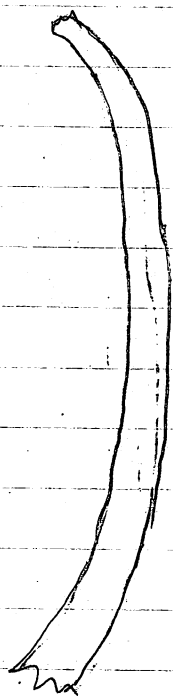
level 21, lot 2

Potter same

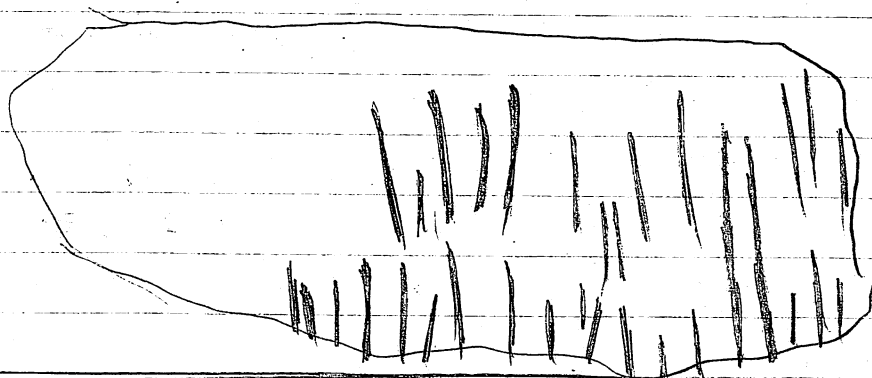
Forms: poss. bowl



jar up preserved lip

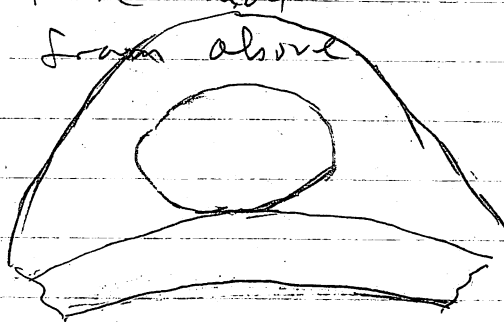
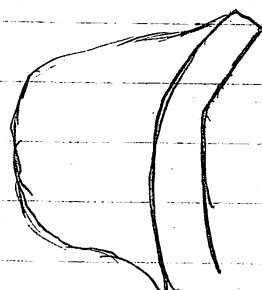


This item is very crudely finished
inside & out.
lip is very irregular



61-27-5-1: feathered tube
horizontal tube handle

from above

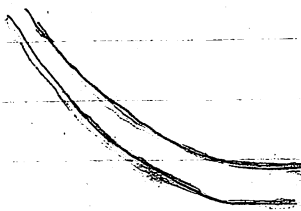


58/2/24

sherds in the bag.

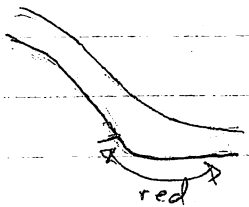
Plumbate, var. unsp. 1 bowl body

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 mottle 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 & lower wall fragment. Basal area is slightly thicker than wall.

Las Vegas Polychrome (possible) 1 bowl/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 I HATH used to maintain in Tegucigalpa, I have never really seen Las Vegas Poly. This sherd has the thin, easily eroded tan slip assoc. w/ L-V. Bly -- 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 & 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. It was extremely well-smoothed & burnished (esp. on int.) prior to slip application. Paste is a fine matrix with

2

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 an ^{slightly} uneven
almost porous appearance.

3 remaining sherds -- could be any junky utilitarian
façon. 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

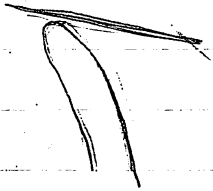
~~1/2~~ Plumbate, var. unspc.

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. Clints 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 "chub"
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.

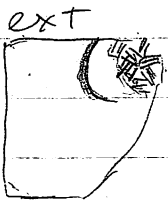
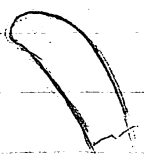


Nike one is a rim, outflared bowl. It has a few vestiges of tan slip and dark red, almost maroon, paint. No designs discernable. Paste is as described for 58-2-24 L.V.P. Thin firing core, 2 mm.

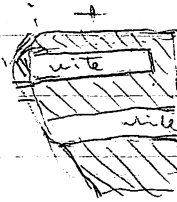
Second shard is poss. L.V.P. based on paste similarities only. Surface is totally gone on interior, almost all missing on ext. Color is, odd; Int^{surface} has 1-2 mm of tan -- remains of the slip perhaps?; Ext. and paste interior are pink-orange, as though reheated.

58-2-208

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



post-fire incision through/damaging the slip



red paint on white slip

Paste is what I typically see in L.V.P. -- 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 (click, but no gloss). Red is also well-preserved for the fazon. Lip of vessel is dented & a bit battered. The post-fire incision is quite odd.

It is a "C"-shaped line; the slip shows fine chipping where it was cut through & removed. The base of the incised line is U, not U, 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.

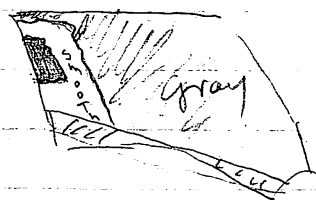
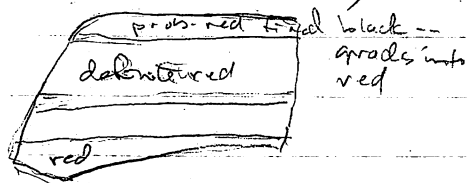
Phumbate, var. unspc. -- probable.

I note this as Phumbate because of how hard it's fired. It also reminds me of Urcano Grp L/sto.

B. Slip, a dark red to reddish-gray, is still just visible.

Unknown 3 sherds

Two sherds fit, and are a basal break between a flat base and an outflared bowl wall. Third is the rim of the bowl. The surfaces are slipped and well-burnished (stick 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



up mixed slightly larger inclusions. Color is darker orange as well. Rim exterior has square post-fire 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.

(5)

58-2-208 (cont.)

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

Unknown Utilitarian a items: 1 simple base prob. jar, 2 flared neck frags, rest jar 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 Yora & Picacho brushed S/Sta-Barbara, & Carbanu Brushed R/Loco.

Pastes & finishes highly consistent w/ E Partcl.

58-2-209 only 3 sherds

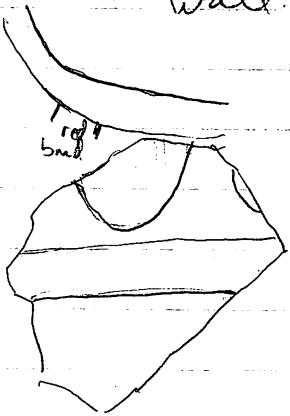
1 probable jar body; undulating exterior, fairly smooth & veg. interior, could be bowl / basin frag. Paste like finer Cacaulapa stuff; moderate matrix, high & readily visible inclusions, including fine mica which is not visible on surface.

⑧

color is dull orange. Inclusions poorly sorted & angular, up to 7 mm across. Largest seems to be opaque white quartz.

2. Probable jar fragment. All surfaces irregular/undulating. Exterior has 3 m x 8 m 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/Gr/Sta. B.

3. Bowl fragment, rounded base of break to rounded wall. Exterior curvature greater than interior. At BB is circumferential band. Above this on 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 Celibac Orange-Slipped, though used as paint not slip. Use of color like that on Sta. B.



Caricized Coarse Red.

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

58-2-210

4 sherds, no clear types

1. Rim piece Gr/probable plate. Paste is color of NUP. It is, but w/ more white inclusions so typical of ERT.



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

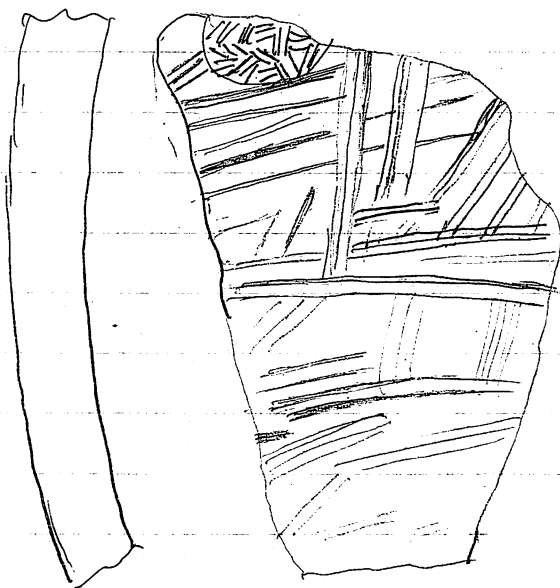
58-2-210 (cont.)

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 silt/sand held together w/ 30% 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 Carbanio in Naco. see reverse for sketch
4. Item entirely consistent 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 Quewa Coarse in Sta. B., & the coarser Cacaulapa taxa.

⑧

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 consistent w/ Plumbate.

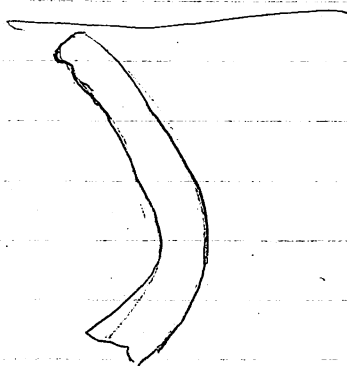


2-5 sherds, some dreadful paste: yellow brown to
brown to orange. Matrix virtually overwhelmed by
high % inclusions, which protrude on all surfaces.

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.



(9)

58-2-212

- ① Plumbate, var. unsp. 1 piece
glossy, smooth ext., gray; int orange, more matte.
Form unclear Ext has segment of a curve incised before
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. Surface smoothed, but
undulating, w/ low, rough, unsmoothed sections on ext.
- ③ 2 jar bodies, crude, sandy E Pstcl paste
Like Quewa (Sta-B.) or Cacaulapa's
Surface have protruding temper, & are irregular &
undulating. Poss. fine brushing (Carbano-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. Pstcl. Inclusions barely visible
to naked eye, but w/ magnification I see very
fine white particles, w/ some black & yellow, and some
fine mica, though it's not visible w/o magnification. ~~See~~

It is similar to a late, poorly made Jicarón, but w/ more pitted, gritty-looking breaks & the nature of the temper.

(3) Three sherds of same paste. Color is equivocal: an ~~all~~ ^{agras} dull tan-orange on surfaces, tan interior paste no firing etc. I think they've been reheated. Matrix is fine, w/ a very high % of red inclusions, all rather soft, up to 2 mm 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 brushing 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/ 1 piece of white, opaque quartz hitting 3.5 mm across.

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

The pyriform ^{shape} ~~form~~ is like a bad version of a Sto-B. form.

Bag labeled "Plumbate, has Vega PC, Fine Orange, Red-on-Cream" DP 58/2 Str. 112-141

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.

⑪

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

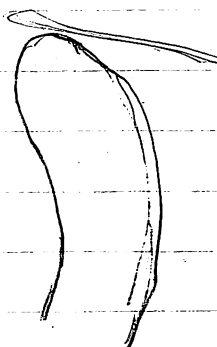
Indeterminate Bag

58-1

5-9

1-2

(numbers on the sherd)



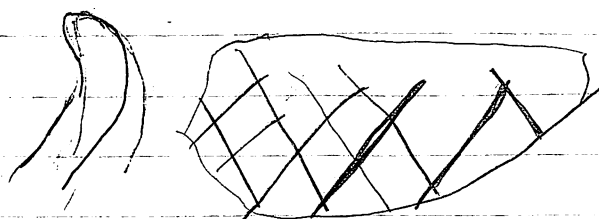
Orange-pink color of Calpules, & Calpules form. Paste has higher % of inclusions (poorly sorted, angular, sand) than most Calpules, otherwise the same

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 Postcl tubed strap handle; horizontal tubes, very round vertical straps, almost tubes, conical handle. Paste largely crude-sandy. of 17 sherds, 2 have high mica content. One item looks more like a scored censer lid than a vessel, though side which should have scoring is brushed

(12)

Indeterminate bag

2 items of thin orangelish 58-2-138
Pastes fine -- less of the heavy, sandy temper

Pyriiform jar (?) w/ crude lip

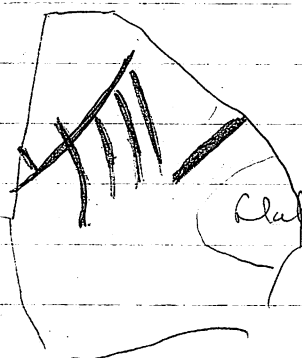
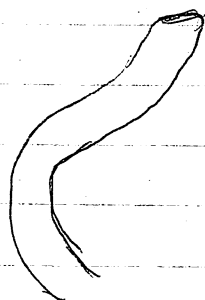
Very little brushing / striation



mini vessel

crude incision

flattened, oval, medallion-like area

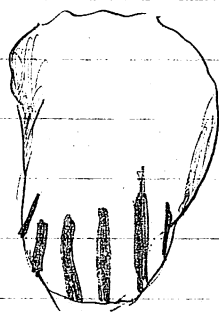


clay medallion

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

foot? support?

like a few Naco E Pst feet



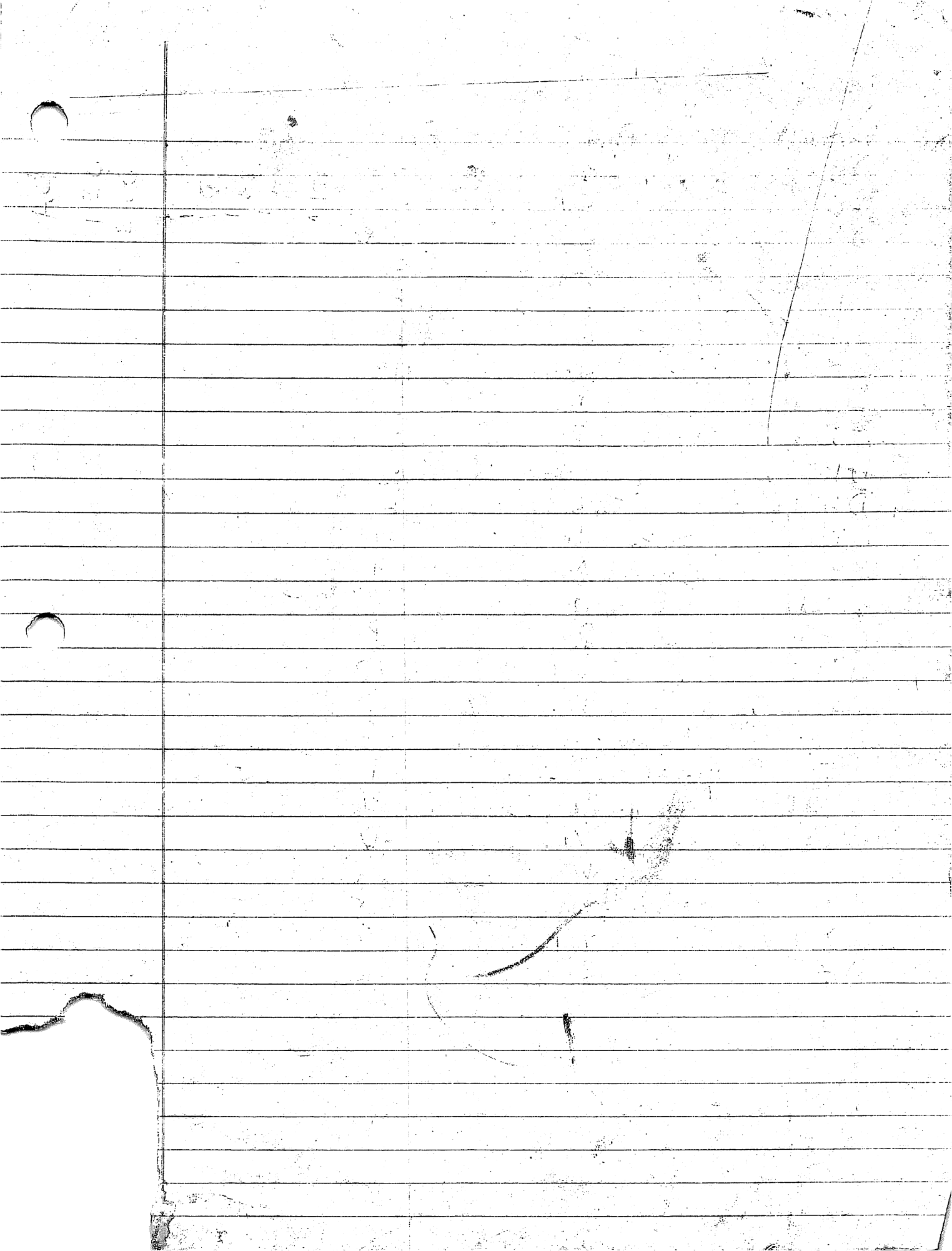
deep, V-shaped incision

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

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 ✓