

2/2

Feb. 2016

Mohane

Western Nepal.



Personal Memoranda

Name _____

Residence Address _____

Residence Telephone _____ Fax _____ Mobile _____

Personal Email _____

Office Address _____

Office Telephone _____ Fax _____

Official Email _____

School / College / Institution _____

Emergency Contact

Name _____ Number _____

Important Contacts

Name _____ Number _____

Important Dates/Events

January _____

July _____

February _____

August _____

March _____

September _____

April _____

October _____

May _____

November _____

June _____

December _____

Profile N340

Profile West

	Distance	Elevation
0	1.53 m	11 cm
2	2.0 m	20 cm
3	3.65 m	21 cm
X 4	2.48 m	70 cm
Re-reading 5	2.49 m	70 cm
6	1.6 m	60 cm
7	2.9 m	30 cm
8	2.59 m	70 cm
9	2.13 m	65 cm
10	1.77 m	65 cm
11	1.97 m	70 cm
12	1.5 m	75 cm
13	1.22 m	55 cm
14	0.97	65 cm
15	1.53	65 cm
16	1.12	70 cm
17	1.07	63 cm
18	1.71	70 cm
19	1.59	65 cm
20	1.08	50 cm

Distance (m)	Elevation (cm)
21 1.17	172
22 1.35	95
23 1.99	199
24 2.30	198
25 1.10	100 (cm)
26 1.96	140
27 1.92	140
28 1.82	145
29 1.68	120
30 2.60	140
31 3.81	145
32 2.68	130
33 2.28	100 (100)
34 1.2	90
35 1.11	135
3.04	125
2.89	95
3.25	50
3.7	80
3.72	55
2.78	33
2.38	40
3.12	40

21/4
R. 2000/

मिफ
मिफुमि
वर्ग
पुनर्विज्ञान

Distance

elevation

3.75.

60

2.76

25.

4.86

30

4.12

45.

3.8

55.

3.53

30.

2.53

40

5.56

55.

3.25

50

4.45

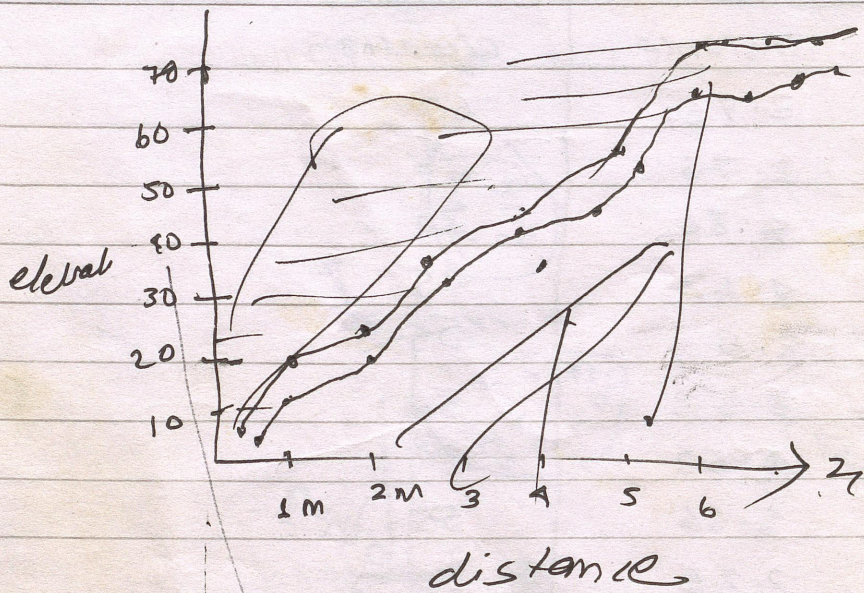
55.

4.89

25

3.06

40



	Distance (cm)	Elevation (cm)	
1	2.3		
2	2.79	30	
2	3.79	65	
3	3.31	90	
4	3.74	65.	
5	3.91	125	
6	2.52	75.	
7	2.58	110	
8	3.1	140.	
9	2.9	135 130	re-recorded
10	2.18	120	
11	2.66	170	
12	1.53	90	
13	2.57	130.	
14	2.3	140.	
15	2.08	187	
16	2.37	130	
17	1.76	115.	
18	1.76	125	
19	2.95	125	
	1.48	110.	

Distance	Elevation.
2.01.	12547 147 (corrected)
0.83	145.
2.27	115.
1.44	125.
7.13	145 → (145)
6.33	95
4.6	110
3.6	15
7.8	30
6.73	22
7.91	15.
7.73	30
6.43	35.
8.45	25.
6.74	65
7.82	20
8.77	25
8.36	30.
8.25	45.
9.57	60.
6.7	70

Distance

elevation

12.13

10

10.65

0

6.20

-15 ~~inch~~

(-38 cm)

6.93

(46 cm)

* (Repeat)

Profile - 2 (away from landslide)

	Distance (m)	Elevation (cm)
①	2.399	10
②	3.25	25
3	2.85	55
4	3.84	45
5	3.93	110
6	4.04	105
7	2.01	72
8	3.70	130
9	3.11	125
10	3.64	130
11	1.47	75
12	1.87	135
13	1.36	135
14	2.79	105
15	1.76	130
16	2.32	115
17	1.61	110
18	1.67	140
19	2.46	130
20	3.95	130
21	4.23	130

in line with trench

✓

Distance (m)

3.46

3.15

1.92

-4.47

3.39

4.21

3.92

4.44

3.99

4.23

4.57

5.92

4.67

3.99

2.70

~~5.52~~ 2.53

4.52

3.73

4.01

Elevation (cm)

135

145

95

130 → Scarpent

50

70

85

65

42

30

30

75

45

35

30

~~60~~ 20

-10

-5

35

Location (m)

132
 141
 148
 130
 20
 70
 82
 02
 45
 30
 20
 72
 72
 72
 05
 05-20
 -10
 -2
 32

Distance (m)

3.46
 3.12
 1.92
 4.44
 3.33
 4.21
 3.45
 4.44
 2.99
 4.23
 4.24
 2.92
 2.92
 4.24
 3.44
 2.90
 2.92
 4.24
 3.44
 4.01

(Profile-3) away from landside

distance (m)	Elevation (cm)
3.92	30
3.80	110
5.007	125
5.14	95
3.26	62
4.09	60
3.11	145
3.20	110 (intine with trench)
3.73	90 (intine with trench)
3.23	140
1.95	115
1.82	105
0.92	105
0.81	105
1.72	145
1.71	115
0.88	105
0.68	105
0.95	120
2.59	145
2.15	140
1.95	115

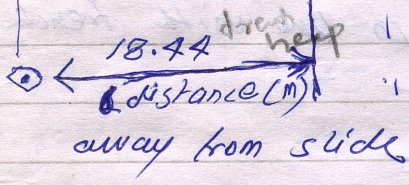
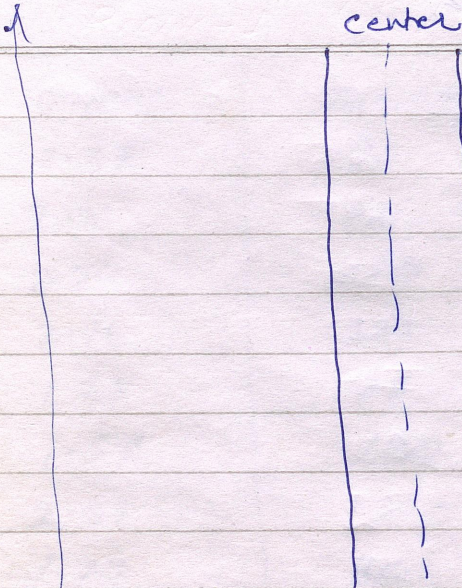
Distance (m)

Elevation (cm)

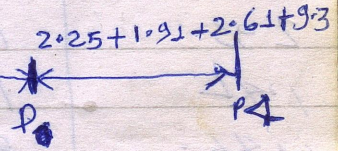
1.94	135
2.42	145
2.07	130
2.49	138
2.74	125 (scarp end)
5.15	55
4.87	75
4.69	35
4.75	60
4.89	55
5.94	25
5.93	35
6.9	65
8.18	45
3.11	40
4.49	30
6.76	-10
6.65	10
6.21	20
5.46	35

Profile 1 Repeat. ↑ N

B. 23 + 5.11 + 5.20



away from slide



Profile - 1 repeat.

Distance	Elevation
2.43	30
4.39	20.
3.27	25
3.55.	90 -
4.53.	85
4.24	130 -
3.39	105.
2.76	120 -
2.95	120. (in line with trench)
1.44	100
1.46.	85.
1.56	95.
2.09	135
2.68	135.
2.85	150.
2.72	145
2.98	130
2.77	145.
2.10	115
1.84	95.
2.24	80.

Distance	Elevation
2.37	95
2.19	80
2.50	145
2.76	120
1.85	75
1.54	120
2.38	130 (Scarp end)
4.77	35
3.57	40
3.76	45
3.40	40
2.54	70
2.56	80
2.90	5
2.99	30
3.85	45
2.49	-5
2.81	25
4.12	50
2.47	-5

Profile - 2

Distance (m)	Elevation (cm)	
3.54	25	78.5
2.98	25	84.5
3.80	50	82.5
2.72	50	81.5
2.52	75	78.1
2.52	100	72.1
1.95	132	88.5
2.80	140	84.5
3.16	130	[In line with wall]
3.44	145	[In line with trench]
2.76	125	81.5
2.37	130	72.5
2.35	70	72.5
1.72	145	80.5
2.62	135	80.5
1.84	120	78.5
2.30	130	82.5
2.03	130	78.5
2.14	125	81.5
1.54	120	74.5
1.42	105	
1.49	132	

Distance (m)	Elevation (cm)
2.22	130
1.83	120
1.99	110
2.04	115
2.94	90
3.27	130
3.36	15 [scarp end]
3.87	65
4.32	55
3.76	20
4.35	25
4.48	45
4.85	35
4.75	35
4.13	35
6.16	-10
4.59	40
4.01	10
3.99	18
3.83	-35
2.78	0
2.86	-40

Profile 5

	Dist	elevation	(m)
①	5.539	55	55.2
	2.97	70	58.1
	3.59	105	PP. 1
	3.52	85	40.5
	2.78	75	PP. 2
	4.25	105	FS. 2
	3.38	85	22.8
	3.90	100	Wall boundary
	2.63	75	22.8
	3.049	135	22.8
	3.39	110	22.8
	3.01	130	22.8
	3.51	145	22.8
	1.74	115	22.8
	2.39	125	10.1
	1.53	105	10.1
	1.47	115	10.1
	1.74	125	10.1
	0.79	75	10.1
	1.69	135	10.1
	1.07	85	10.1

1.43	130	
1.41	115	
1.72	140	
1.46	105	
0.88	100	
2.64	130	
1.50	95	
2.98	100	Wall boundary
4.35	135	
3.82	70	
4.67	35	
4.69	55	
5.01	65	
4.73	45	
6.26	20	
5.57	10 70	
5.89	18	
5.24	10	
6.94	-30	
4.00	-25	

Scarp end

DIST. Profile	Elevation	DIST	elevation
D. 1.00	120	2.51	120
5.48	45	2.68	115
6.96	95	2.78	120
8.65	120	4.72	140
4.35	70	5.89	70
3.98	135	6.56	130
2.28	130	7.85	90
2.09	145	8.26	70
1.60	95	4.96	20
1.21	140	6.87	115
1.87	110	8.33	85
2.26	115	9.80	115
1.96	120	6.69	75
2.51	120	5.65	-25
2.14	120		
1.35	110		
1.96	125		
1.97	130		
2.46	140		
1.11	105		
2.12	110		
5.00	120		
4.41	135		

29/2/16 Mohano trench

Samples for C dating

within the 11 generation colluvium

17 - ~~from the~~ colluvium 1

(X) East wall (very little material)
1.85m.

20 - 1st Scarp within:

gray silty sand

(X) (plant/wood material)

1.70m - (above 0327 East wall?)

11 - within the block

silty sand at the interface with upper boulder bed - 1.50m - East wall

10 - within brownish grey

sand above lower boulder bed - 2.30m - West wall

15 - at the lower part of

the brownish grey sand - 2.40m - West wall

pic.

18 - glass bangle (1.95 m)
East wall. Within
liquefactive layer
interprising black sand
interprising black sand
& upper boulder.
(near Pt 30; level 8).

2 from liquefied layer
interprising upper
boulder bed.
West wall - 1.20 m.

3 From the liquefactive-
layer interprising
upper ~~boulder~~ boulder
bed. toward further
edge. 1.20 m - West
wall.

4 from brownish grey silty
silt, 1.80 m, West wall

7. at the interface of
lypepind clay
and boulder bed

5 from the landslide
just above the
blackish silty
sand. East wall
1.25 m.

6 interface of lower
boulder bed and
greyish silty sand
at the northern
end of the trench
~3 m. From the
floor of the trench.

16. within brownish
grey sand in front
of I scarp. ~ 2.75 m
East wall

1320-1440-

(19)

Black Bulk sample
from blackish unit
just dating East
wall.

(19A)

from blackish
silty sand below
II generation columnar
East wall.

~~(19)~~

FIST
(AM)

1316-1616 EE

(OSL)

Charwell

#MS

Correct

1616
Carbon P. 97

MWhanephule

Fig 7 - MWhanephule

1440

kan

1616

1316



~~17~~ (9) from southern
wall - near the
~~19~~ interface of upper
landslide material
boulders and blackish
silty sand (within the
blackish unit).

(13) within blackish
silty sand - 1.90 m -
west wall (-1278 ± 419)
BCE 200 - CB1459

(12) within the upper
boulder bed - west
wall - 1.60 m -

Near the contact of
blackish silty sand

(14) within the brownish
grey silty sand 2.15 m
west wall

1120-10

of

Figure section - in photos

336, 356, 404, 405, 407

Western

~~Eastern~~ wall - Scarp II faulting

~~355~~ 355, 357

Eastern wall faulting

363,

01.03.16

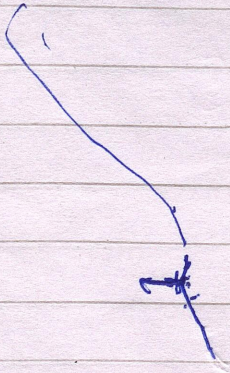
Identified for trenching

Indrapur, Jaspur

Lakhan Mandi

Malla Chorgatiya

Locations before Haldwani



Vehicle Bill

From 22.02.16 to
① 25.02.16

at the rate of
4000/-

Total
for four days
16,000/-

Discrep. Bill
No. in

UK03TA
0831
Math.

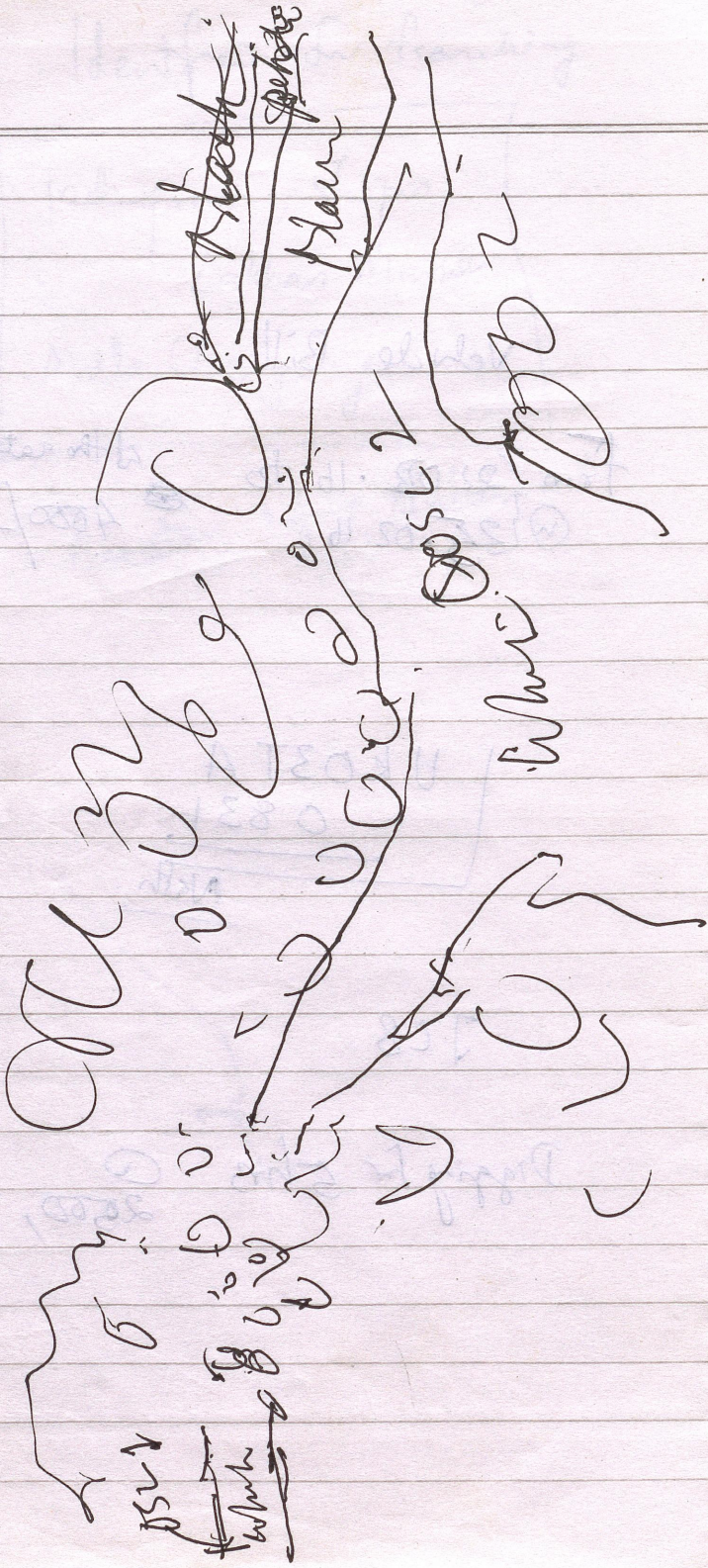
JCB

Digging for 5 hrs

① 2500/-

Total
12,500

Early
will
I scarp



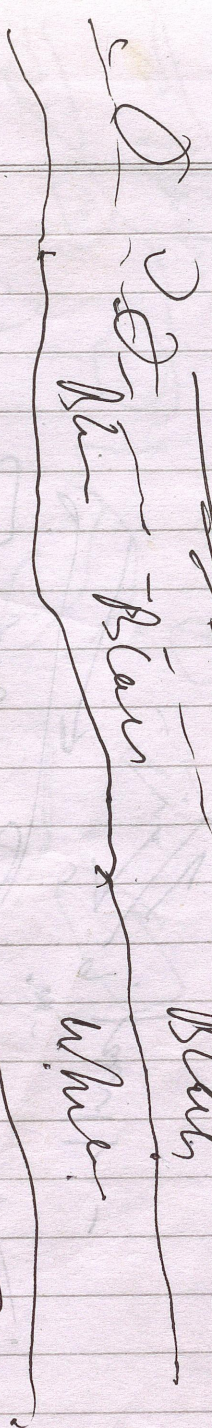
Tim Stamp

over my

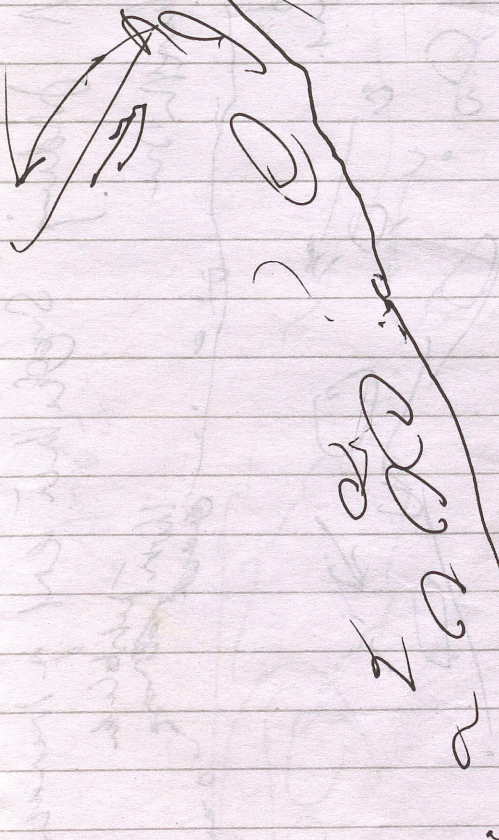
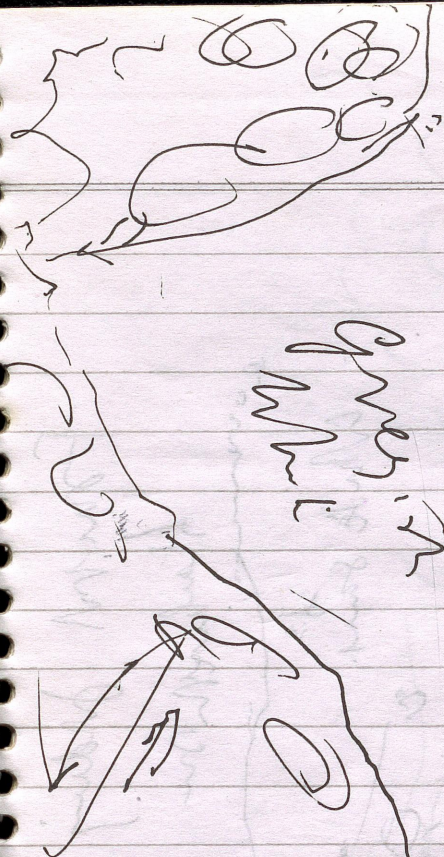
of

Back

White



greenish



Olimpion

Franklin / Sullivan & Jones

Shark



1. Fall?

PLATE
457,

431-434

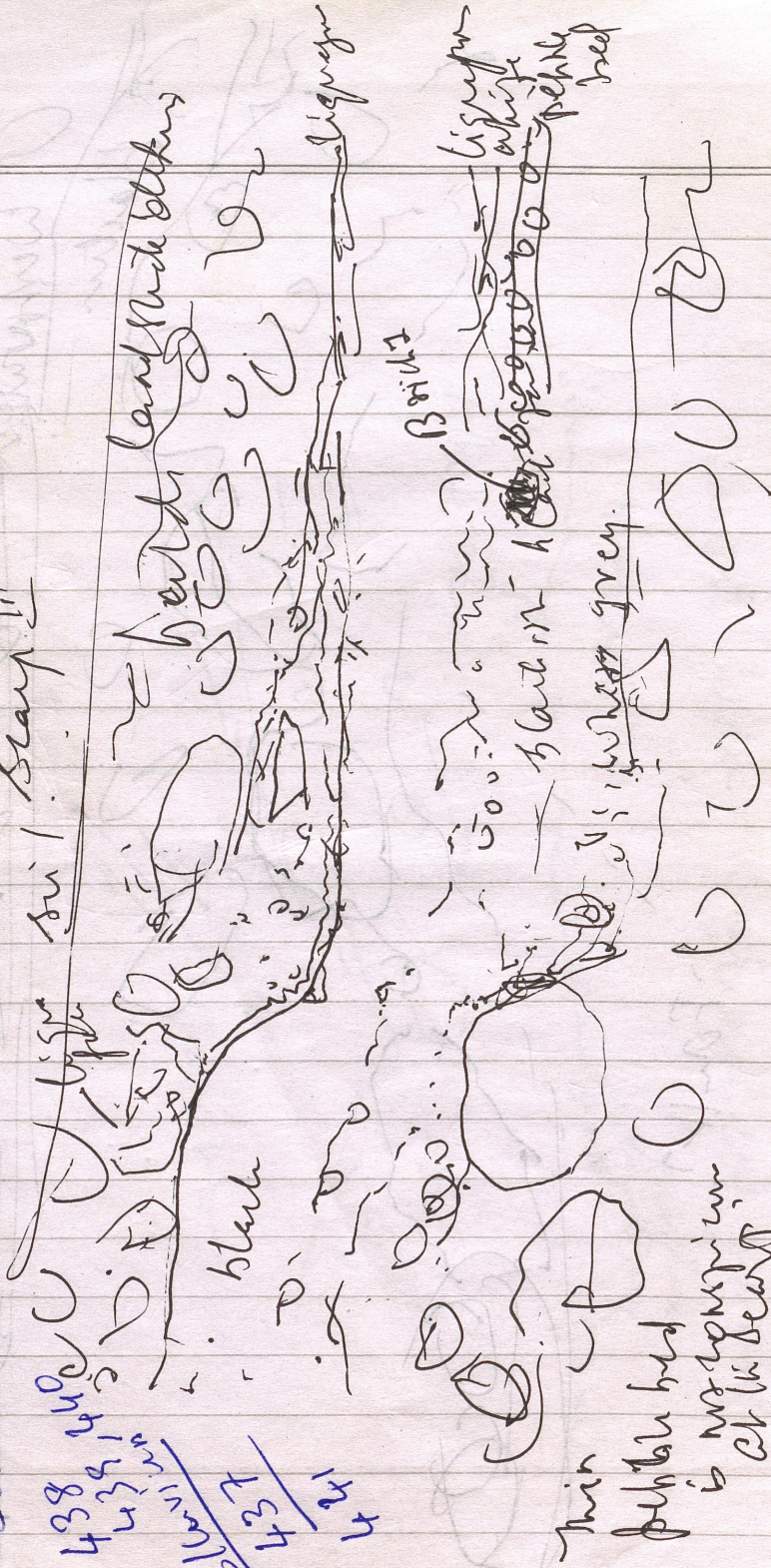
East wall II Scarp.

466

438
439
440

Collection
437
437

441
442



thin
pebbly bed
is not
at the base

432-1 ~~433~~ 433

~~East~~ West wall

II scarp - Top over ark

border

Sample X
Sample Y

hard m

pebble bed

green m
yellow m

black m

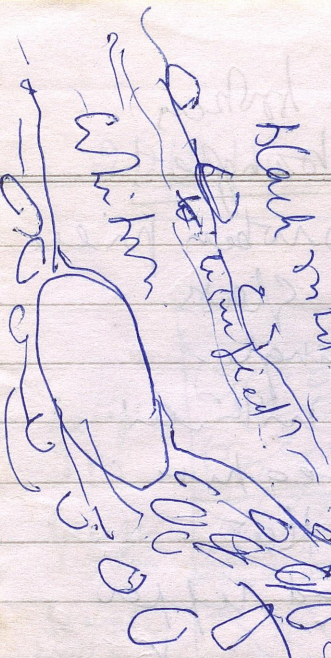
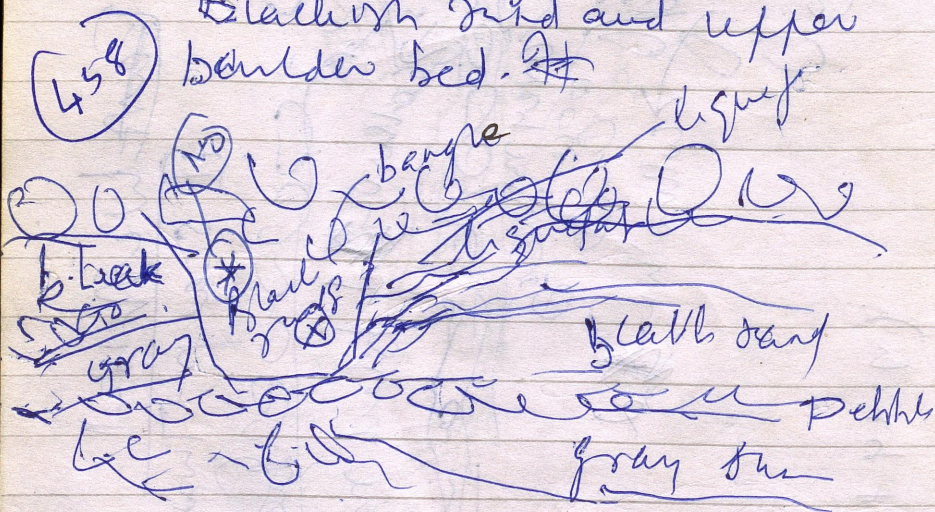


Photo
brick-2 (258)
464 (berm + brick)
put)

Curious case of a broken
bangle†

(X) Sample 18 - a broken piece
of a glass
bangle.

Obtained from within
the lignite peat feature
interfacing the
blackish sand and upper
boulder bed.†



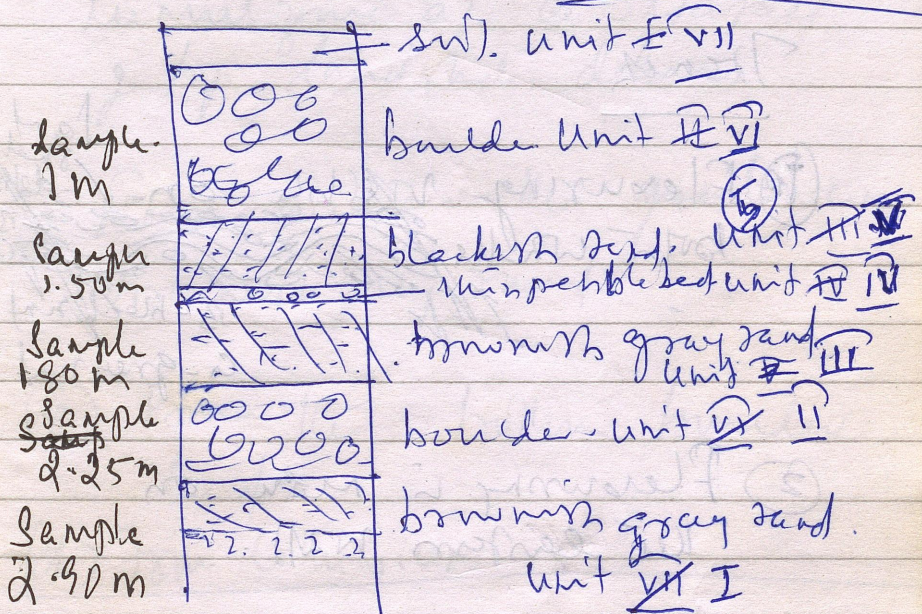
It appears that bangle comes
out from square pit filled
with black sand which
looks younger than the
lignite peat event.

'Bangle' is an young
artifact!!

Methana khore

22/2/16

General Stratigraphy



Brick samples

B1 from the interface between ^{1.80m} unit III (black sand) and unit V at the top of unit IV (pebbly bed) (East wall). At the southern part of trench

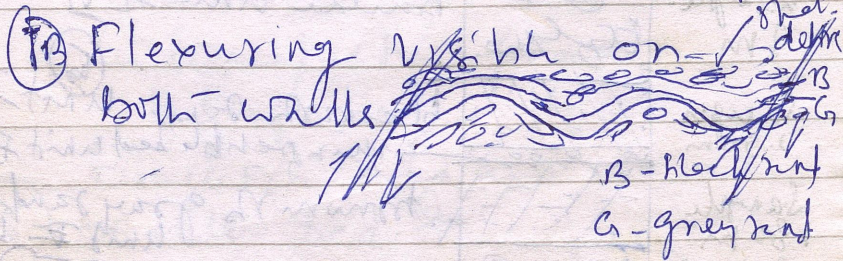
B2 from the interface of upper boulder (unit VI) and lower black sand (unit III) Middle part of trench. → East wall 1.40 mE

1A Two scarps

28/2/16

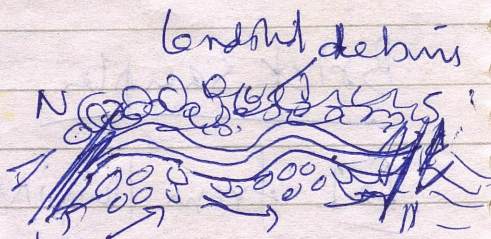
May be two events
events

Trench



2 Flexuring is more on the eastern wall.

3 There is a thin pebble bed separating the top hummock sandy soil and lower brownish grey mud. Which is also more prominent on the eastern wall



This pebble layer appears after the first scarp but disappears towards the

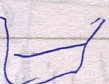
4 The surface of upper sandier bed & black mud is desiccated.

South end of the trench

Dating samples AMS

- (a) Charcoal samples from top humus zone at the interface of top land side debris
 - (b) From within the ~~grey~~ lower brownish grey sand
 - (c) From the bottom boulder bed.
- (d) From Coluvium

OSL

- (1) from the brownish grey (2 m) sand ~~to~~ between boulders at the northern end - East Wall
- (2) from the thickened  brownish sand near the OSL scarp North ^(2 m) end = East wall
- (3) lowest brownish sand unit underlying (2.90 m) lower boulder bed East Wall 1.50 m
- (4) Upper blackish sand below upper boulder West wall - mid-way of trench

OSL (5) - From the ^{unit IV} brownish grey
sandy unit at the foot of
the I scarp (Colluvium 2)
~ 2.5 m from top.

(6) From the boulder bed
(land side debris) close
to the inter contact
of blackish sand. (1.5 m).

(7) From the lower boulder
bed (East wall)

(8) From colluvium of the
II scarp (West wall)

Brick bats (East wall)

~~Southern end of midpoint trench~~

B-1: Within the blackish

0.65 m. silty sand ~~at~~ ^{within this} ~~at~~ ^{tebble bed} ~~at~~ ^{separation} ~~at~~ ^{grey sand} ~~at~~ ^{southern} ~~at~~ ^{end}

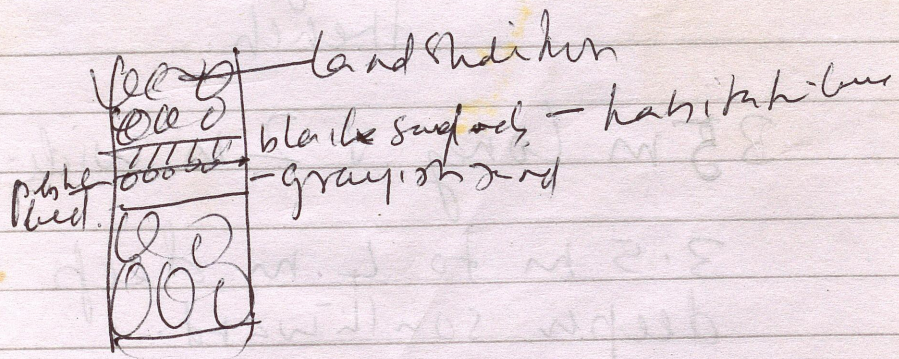
B-2 within ~~land side~~ boulder ~~bed~~ ^{debris} at the contact
of blackish silty sand

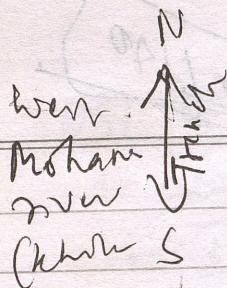
13.06 / 140

Two events of faulting

1st Scarp face -

2nd Scarp - faulting
is to face is
somewhat visible
in sandy horizon





East
Grudeban
River

26/2/06

CP

Location of Mokham trench

$N 28^{\circ} 55' 03.8''$

$E 80^{\circ} 31' 33.9''$

Trench orientation: $N 20^{\circ} W$
~500 m west of Luke
trench.

35 m long + 2 m wide.

3.5 m to 4 m deep
deeper southward.

Pramod Khadka
Godawari - 05, Kailali, Nepal

Email: khadkpramod1@gmail.com
+977 - 9860952905

Sarda Canal

Opened by Sr. Malcolm
Hailey

Governor of the
United Provinces

Dec. 11, 1928.

IV point Yule et al
from
Muhlenberg

Correct
location

$N 28^{\circ} 55' 01.3''$
 $E 80^{\circ} 31' 42.1''$

V point Poterhill
hh

$28^{\circ} 55' 00.1''$
 $80^{\circ} 31' 32.7''$

Village Olani

Ordinary PSC.

22/2/16

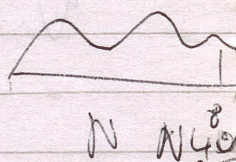
I Point $28^{\circ} 52' 14.4''$
 $E 80^{\circ} 34' 23.6''$

Scarp - at Loc. Gudavara
near Military
Camp -

Towards MFT from the
6 km. Main road ~~to~~ Highway
to

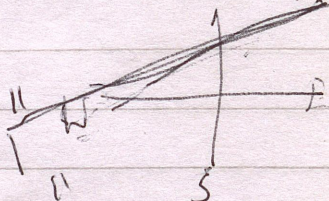
II point. N of earlier pt

$N 28^{\circ} 52' 32.3''$
 $E 80^{\circ} 34' 30.5''$



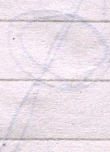
III point (NN)

$N 28^{\circ} 55' 03.01''$
 $80^{\circ} 31' 34.5''$



2.38 →

1.76



Mamuj 882 Haurh
97798031

9756553661

36463

9412042263

J. C. Sumera,

9412375791



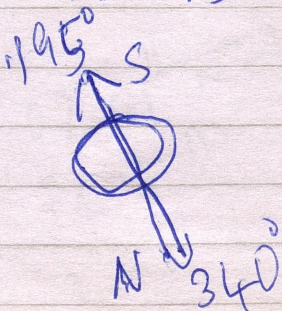
(Sajiban)

P/N: 41249-00DC4601

S/N: 60120532

Model: Trimble Zephyr
Geodetic

Orientation of the arrow
on antenna - N 195°



Chennakesava
Pariscunt.

91-9591032101

91-7676002906

