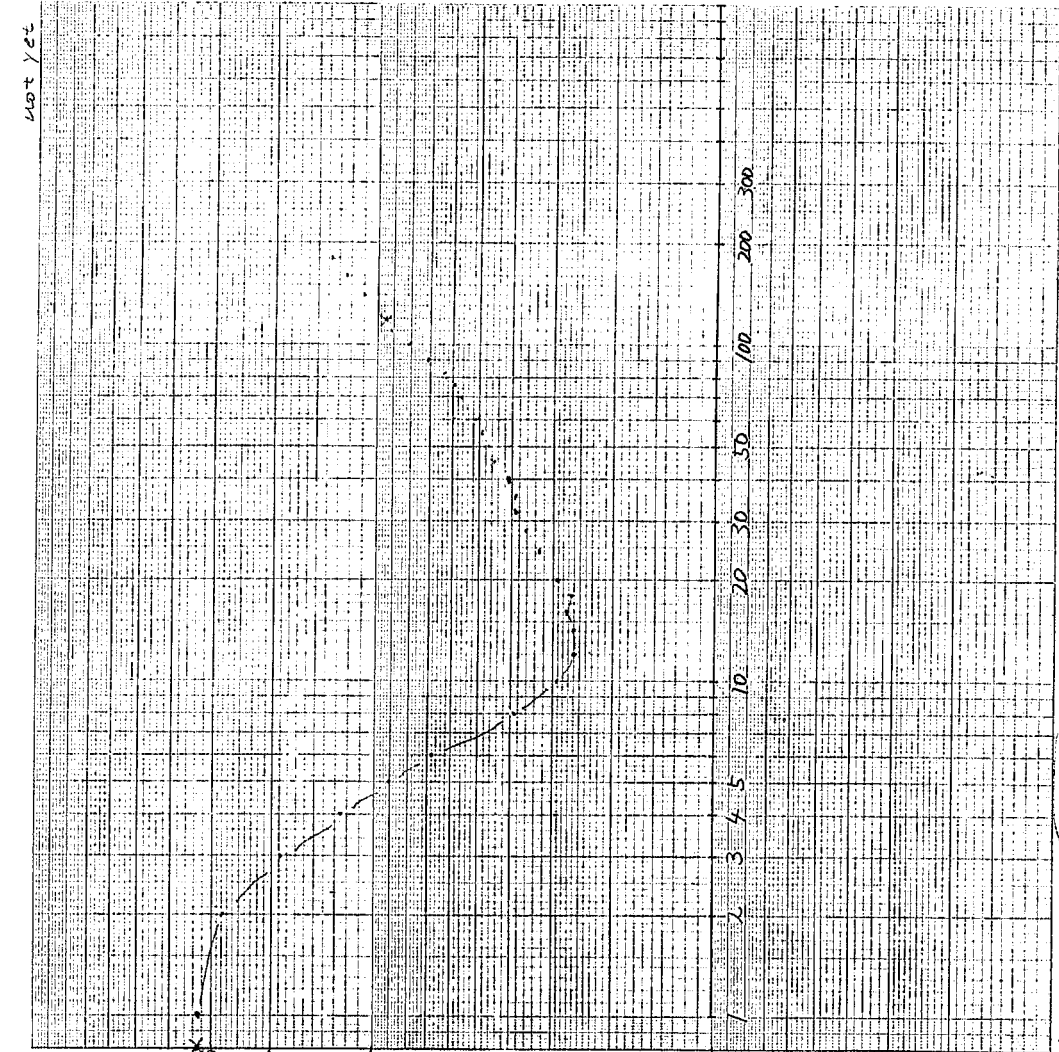


Chikoweti (1/1)

M4-07/11



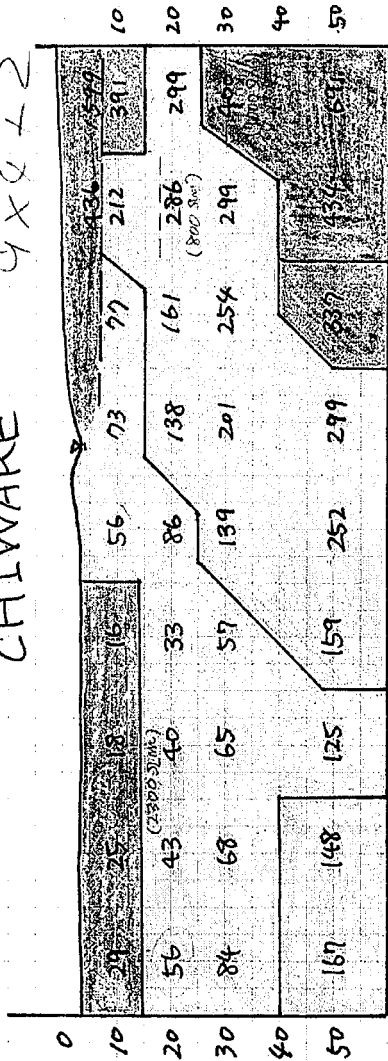
TAG	a	mV	mA	R	ρ_a
1	1			53006	332.9
2	2				287.1
3	3				189.8
4	4				125.1
5	5				90.9
6	6				68.6
7	8				37.5
8	10				29.2
9	12				26.1
10	14				26.0
11	16				27.1
12	18			22365	26.2
13	20				29.7
14	24			22715	33.4
15	28			22059	36.2
16	32			21997	39.5
17	36			21780	39.6
18	40			21688	41.6
19	45			21587	44.9
20	50			21479	46.4
21	55		2mA	21447	49.9
22	60		5mA	21356	51.1
23	65			21299	54.2
24	70			21275	57.0
25	76			21230	59.0
26	82			21234	63.5
27	90			21264	71.4
28	100			21224	81.3
29	110			21309	90.5
30	120		10mA	21285	96.9
31	140			21236	110.0
32	160			21281	123.1
33	180			21225	138.5
34	200			21181	153.8
35	220				
36	240				
37	260				
38	280				
39	300				

$\rho_a = 2 \pi a \cdot V / I$
 $= 6.28 \times a \cdot V / I$

Chikoweti (vesl) 4.8.2000

Chiwale (1/3)

CHIWARE 9x4+2



(North)

$$\left\{ \begin{array}{l} \bar{d} - \sigma \\ \bar{d} - \frac{1}{3}\sigma \\ \bar{d} + \frac{1}{3}\sigma \\ \bar{d} + \sigma \end{array} \right.$$

$$\sigma = \sqrt{\frac{\sum (\bar{d} - d_i)^2}{N}}$$

N=38
 $\bar{d} = 217.7222$
 $\sigma = 272.2$

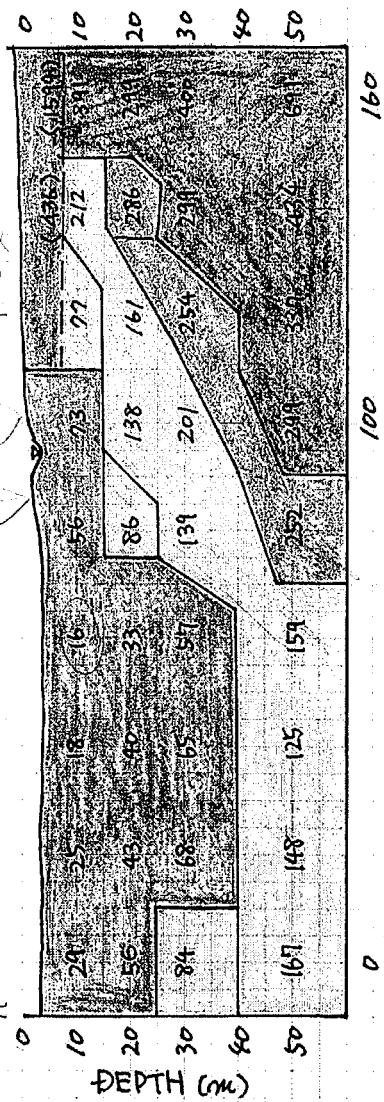
$\bar{D}_1 = \bar{d} - \frac{1}{3}\sigma = 35.7$
 $\bar{D}_2 = \bar{d} - \frac{1}{3}\sigma = 126.5$
 $\bar{D}_3 = \bar{d} + \frac{1}{3}\sigma = 307.9$
 $\bar{D}_4 = \bar{d} + \frac{1}{3}\sigma = 398.7$

N: number of data
 \bar{d} : average
 σ : standard deviation

(N=38)
 $\bar{d} = 217.1842$ $\sigma = 272.2$

N=36
 $\bar{d} = 172.7222$ $\sigma = 147.9$

$\bar{D}_1 = \bar{d} - \frac{1}{3}\sigma = 74.1$
 $\bar{D}_2 = \bar{d} - \frac{1}{3}\sigma = 123.4$
 $\bar{D}_3 = \bar{d} + \frac{1}{3}\sigma = 222.0$
 $\bar{D}_4 = \bar{d} + \frac{1}{3}\sigma = 271.3$

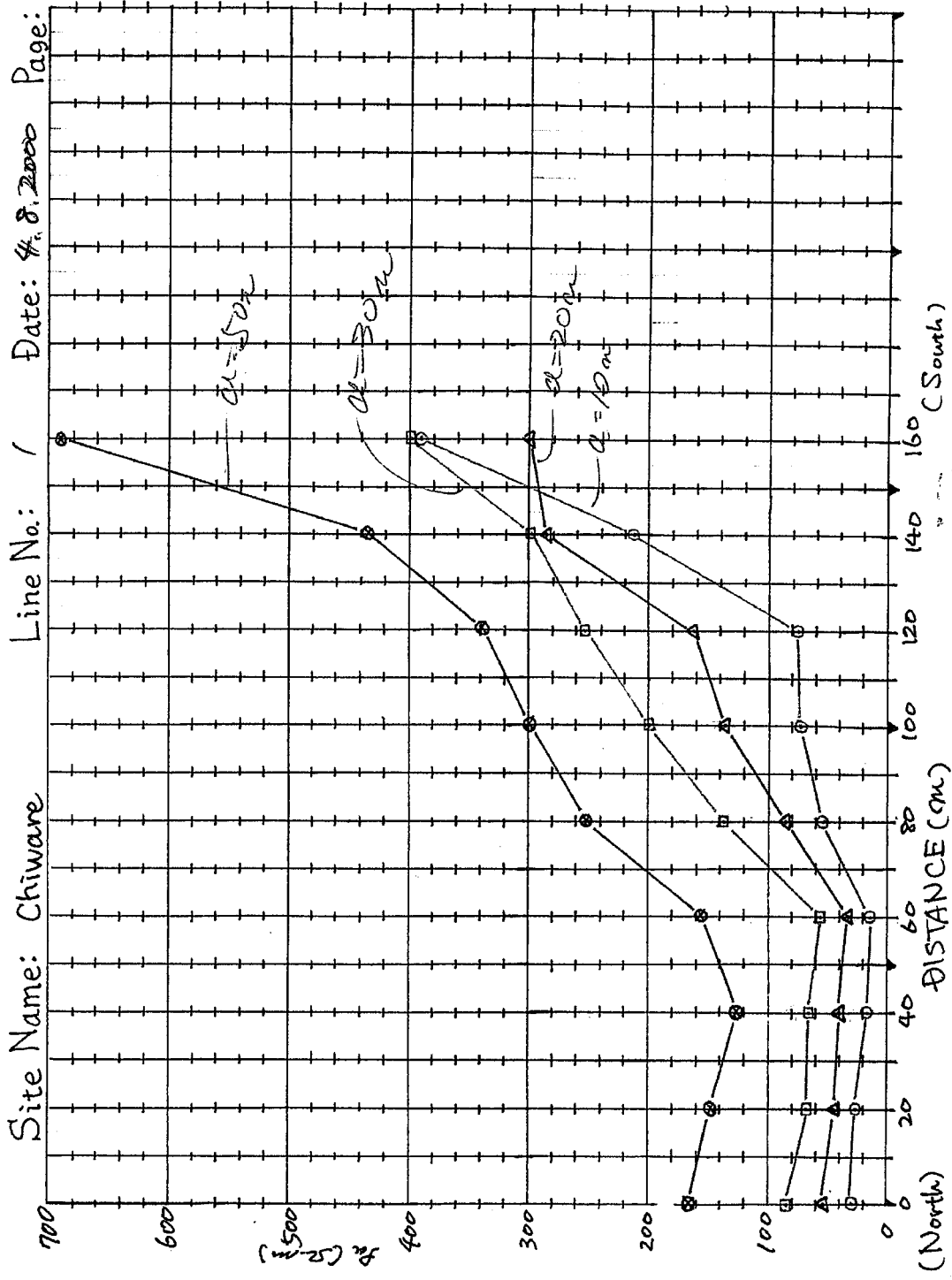


M4 - 06/11

Chiwale (2/3)

M4-06/11

V



Chiwale (3/3)

10m x 1.6

Ah = 20 Site Name: Chimwani Line No.: 60 Date: 4.8.2000 Page: 1
 ← N ← → S →

H	0	70	40	60	80	100
(R)	0.4642	0.3945	0.3029	0.2460	0.2079	1.1567
10		0.3902	0.2314		0.2059	1.1567
(PA)	29.2	24.8	19.8	15.3	56.4	202.7
(R)	0.4452	0.3420	0.3193	0.2596	0.2083	1.0971
20		42.98	40.1	32.6	85.8	137.9
(PA)	55.9					
(R)	0.4460	0.3605	0.3432	0.3017	0.2793	1.0638
30		67.95	64.7	56.9	138.77	200.5
(PA)	84.1					
(R)	0.5309	0.4708	0.3980	0.5048	0.8025	0.9526
50		147.7	125.0	158.6	252	297.8
(PA)	166.8					

N = 9x4 + 2 = 38

→ S

(R=)

(R=)

(R=)

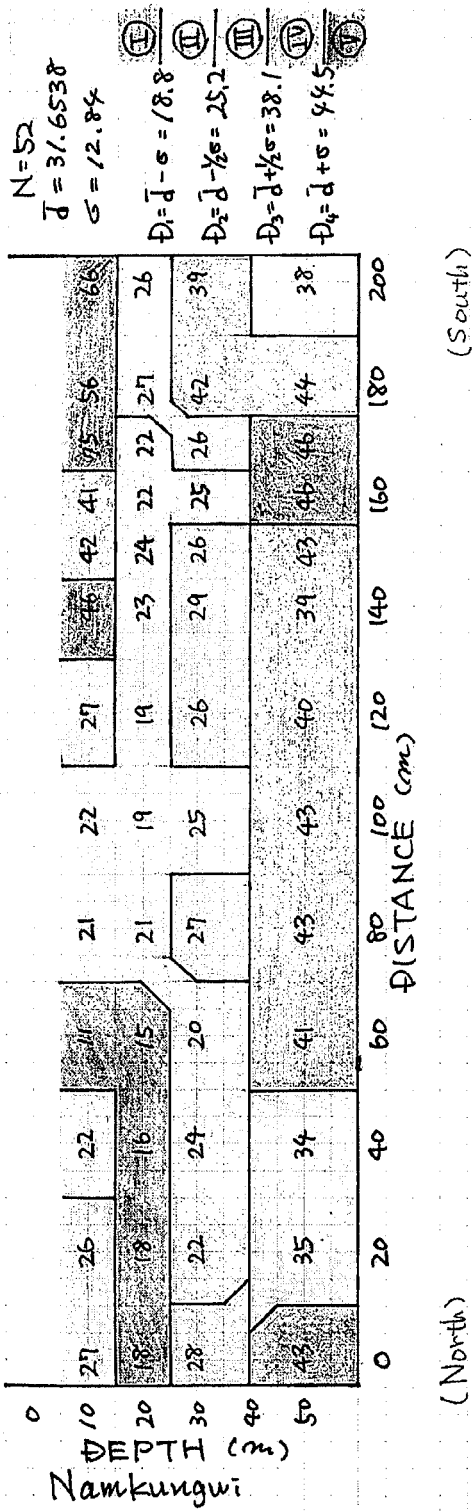
(R=)

H	120	140	160	180	200
(R)	1.2180	1.3001	1.3862	1.5001	1.600
10		3.3022	6.2125	50.908	
(PA)	76.5	214.4	435.5	1599	
(R)	1.2790	2.2731	390.6	1599	
20		285.6	299.1		
(PA)	14.7				
(R)	1.3491	1.5867	2.1218		
30		299.1	399.9		
(PA)	254.7				
(R)	1.0774	1.3800	2.1983		
50		434	690.6		
(PA)	237.2				

M4 - 06/11

Namkungwi (1/3)

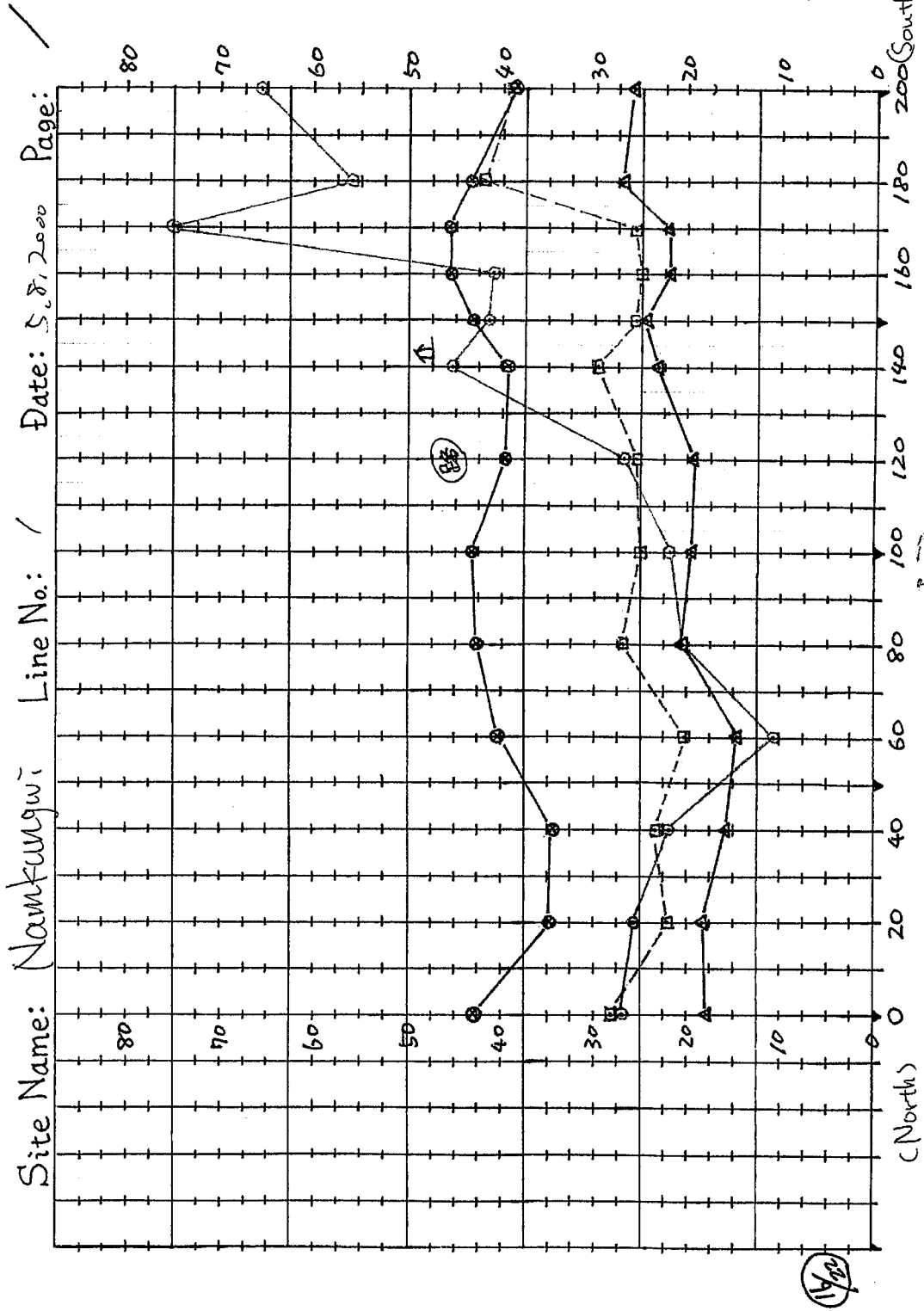
M4-05/11



(5/20)

Namkungwi (2/3)

M4 - 05/11



Namkungwi (3/3)

500 ± - R41K1
13-2-20
1-0000's
Fixed

→ SY

Site Name: Namkungwi Line No: _____ Date: 5. 2. 2000 Page: /

H	0	20	40	60	80	100
(R) 10	0.4292	0.4159	0.3378	0.1813	0.3327	0.3561
(Pa) 10	26.96	26.1	22.4	11.4	29.9	22.8
(R) 20	0.1419	0.1434	0.1289	0.1163	0.1652	0.1527
(Pa) 20	17.8	18.0	16.2	14.6	20.8	19.2
(R) 30	0.1463	0.1176	0.1252	0.1083	0.1440	0.1212
(Pa) 30	27.6	22.2	23.6	20.8	27.1	(23.8) (27.1)
(R) 50	0.1362	0.1110	0.1091	0.1290	0.1358	0.1372
(Pa) 50	92.8	74.9	74.3	40.5	92.9	43.1

N = 13 x 4 = 52

↑

↑

H	120	140	150	160	180	200
(R) 10	0.4917	0.7265	0.6675	0.6588	0.8155	1.2163
(Pa) 10	27.1	45.6	41.9	41.4	56.3	66.3
(R) 20	0.1523	0.1854	0.1907	0.1744	0.2165	0.2085
(Pa) 20	19.1	23.3	27.96	21.9	27.2	26.3
(R) 30	0.1363	0.1561	0.1397	0.1320	0.2244	0.2060
(Pa) 30	25.7	29.4	25.8	25.6	42.3	38.8
(R) 50	0.1260	0.1245	0.1379	0.1477	0.1384	0.1214
(Pa) 50	39.8	39.1	43.3	46.3	43.5	38.1

19/20
5.14.8
現場2' (1) 奥克全地帯特定2' 埋付 10. 120
埋付 11. 120 埋付 12. 100 埋付 14. 0 埋付

Mlingula (1/4)

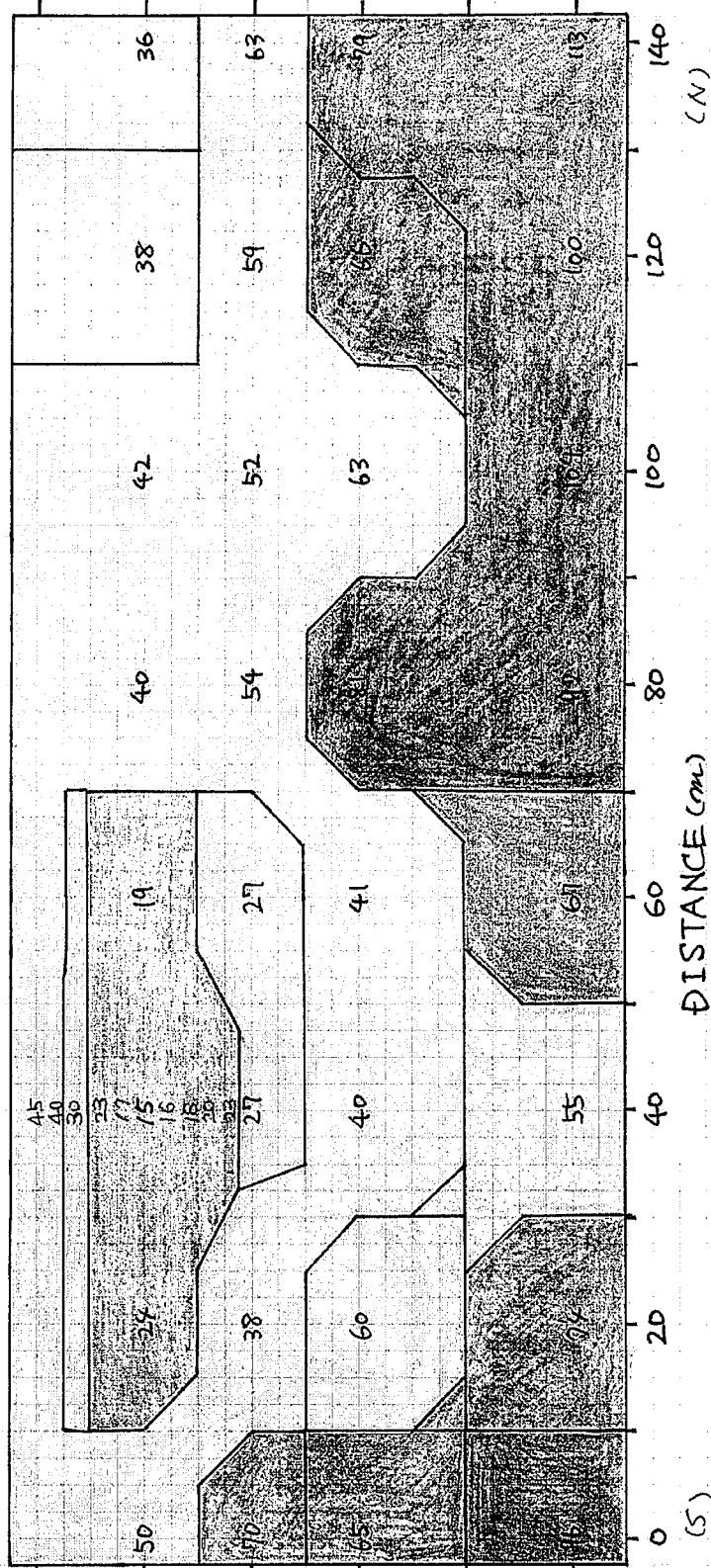
Mlingula

$$\begin{aligned} \text{I} \quad D_1 &= \bar{d} - \sigma = 24.1 \\ \text{II} \quad D_2 &= \bar{d} - \frac{1}{2}\sigma = 37.5 \\ \text{III} \quad D_3 &= \bar{d} + \frac{1}{2}\sigma = 64.1 \\ \text{IV} \quad D_4 &= \bar{d} + \sigma = 77.4 \end{aligned}$$

$$\begin{aligned} D_1 &= \bar{d} - \frac{2}{3}\sigma = 33.0 \\ D_2 &= \bar{d} - \frac{1}{3}\sigma = 41.9 \\ D_3 &= \bar{d} + \frac{1}{3}\sigma = 59.7 \\ D_4 &= \bar{d} + \frac{2}{3}\sigma = 68.5 \end{aligned}$$

$$\begin{aligned} N &= 41 \\ \bar{d} &= 50.7805 \\ \sigma &= 26.65 \end{aligned}$$

(ves)

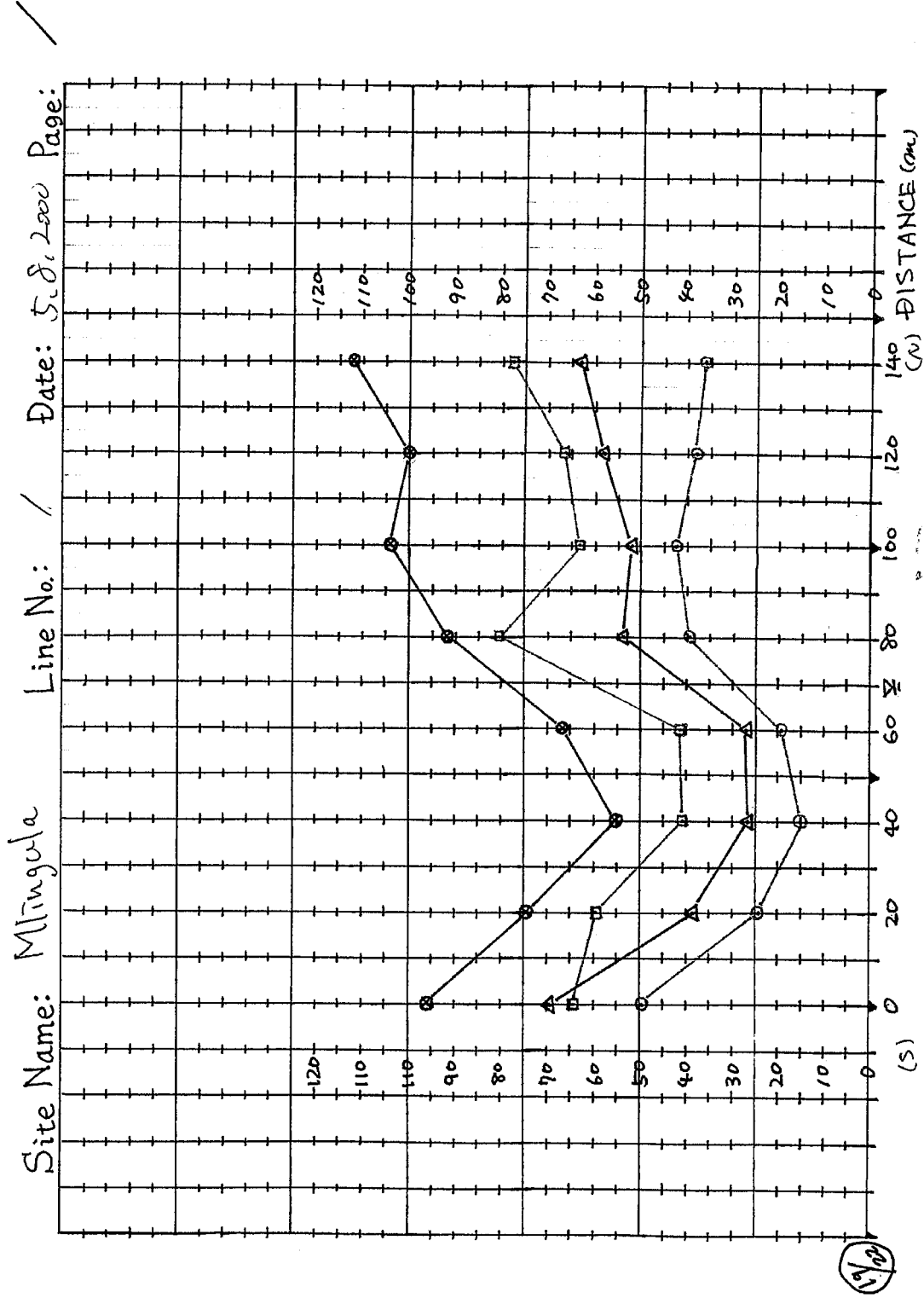


(17/02)

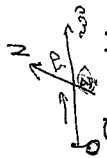
M4-04/11

Mlingula (2/4)

M4-04/11



Mlingula (3/4)



Ah = 20 Site Name: Mlingula (S) Line No.: Bond / 2000 Date: 5, 8, 2000 Page: /
 9.30

H	0	20	40	60	80	100
(R)	0.7879	0.3861	0.2377	0.3033	0.6316	0.6089
(Pa)	99.5	24.3	15.1	19.1	39.7	42.0
(R)	0.5539	0.3060	0.2148	0.22168	0.4308	0.4420
(Pa)	69.6	38.45	26.19	27.2	54.1	51.2
(R)	0.3424	0.3159	0.2142	0.2163	0.4200	0.3346
(Pa)	64.5	59.5	40.4	40.8	80.5	63.1
(R)	0.3065	0.2360	0.1761	0.2054	0.2991	0.3323
(Pa)	46.3	74.1	55.3	67.0	92.9	106.4

$N = 8 \times 4 = 32$ and $N' = 32 + 9 = 41$

H	120	140	160	180	200
(R)	0.6811	0.5705	160	180	200
(Pa)	38.4	35.8			
(R)	0.4678	0.515000			
(Pa)	58.8	62.8			
(R)	0.5711	0.4174			
(Pa)	60.2	78.1			
(R)	0.3182	0.3581			
(Pa)	99.96	112.5			

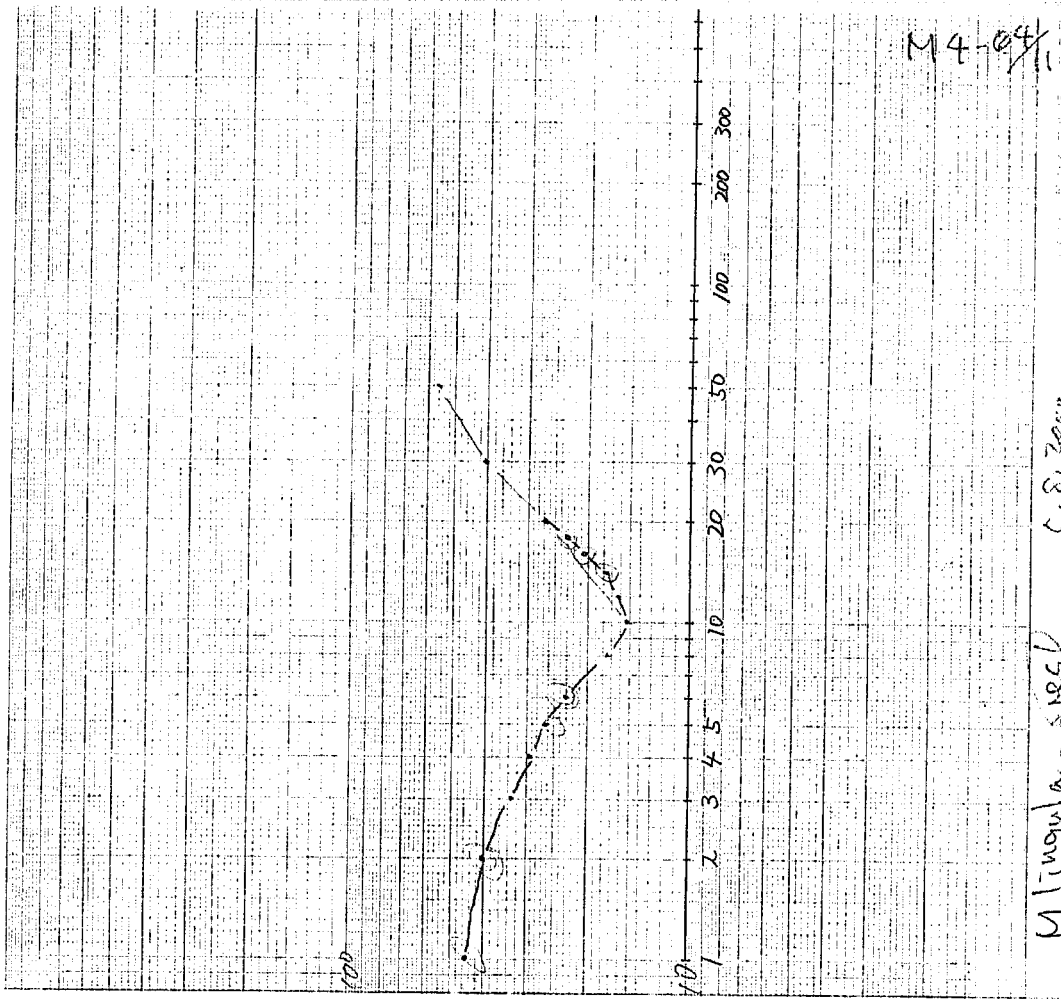
M4 - 09/11

20/20

Mlingula (4/4)

$$\rho_a = 2\pi a \cdot V / I = 6.28 \times a \times V / I$$

TAG	a	mV	mA	R	ρ_a
1	1	7.1961			45.2
2	2	3.1902			40.1
3	3	1.7629			33.2
4	4	1.1621			29.2
5	5	0.8438			26.8
6	6	0.6210			23.4
7	8	0.2456			20.4
8	10				(15.1)
9	12	0.2136			16.1
10	14	0.1994			22.5
11	16	0.2073			20.4
12	18	0.2076			23.0
13	20				(26.99)
14	24				
15	28				(19.4)
16	32				
17	36				
18	40				
19	45				
20	50				(55.3)
21	55				
22	60				
23	65				
24	70				
25	76				
26	82				
27	90				
28	100				
29	110				
30	120				
31	140				
32	160				
33	180				
34	200				
35	220				
36	240				
37	260				
38	280				
39	300				



M4-04

Mlingula = 5.8.20cm

Mlingula = 185

Kilosa (1/3)

4203
6262
8288
5890
Page: /

L 1000 x16
V: 2000
Date: 2.8.2000

Ah = 20m Site Name: KILOSA Line No: /

H	40	60	80	100	120
(R)	0.5145	0.5239	0.5514	0.6662	0.8238
(P)	32.3	32.9	34.6	38.9	48.205
(R)	0.5133	0.4722	0.4965	0.5290	0.7365
(P)	64.5	59.3	62.4	66.5	92.6
(R)	0.4787	0.5091	0.5466	0.5408	0.7068
(P)	90.2	95.96	101.9	101.9	133.1
(R)	0.4553	0.5027	0.5381	0.6173	0.6624
(P)	149	157.9	169.	211.5	208.

→ N
0.4280 0.5801
0.4266 0.4817
0.4262 0.4632
0.4231 0.4529

→ Mark

H	40	60	80	100	120
(R)	0.4166	0.4973	0.6697	0.8850	0.9231
(P)	26.7	30.9	32.73	67.9	0.9231
(R)	0.4232	0.4875	0.6498	0.7011	0.9231
(P)	49.0	60.5	87.9	88.1	0.9231
(R)	0.4100	0.4231	0.4231	0.4231	0.4231
(P)	119.2	79.8	153	135.7	135.7
(R)	0.5789	0.4462	0.4825	0.7710	0.7710
(P)	169.1	140.7	214.4	242.4	242.4

M4 103/11

Max x diff = 4 x 11 - 1 = 44 - 1 = 43

→ Mark Min

10/22

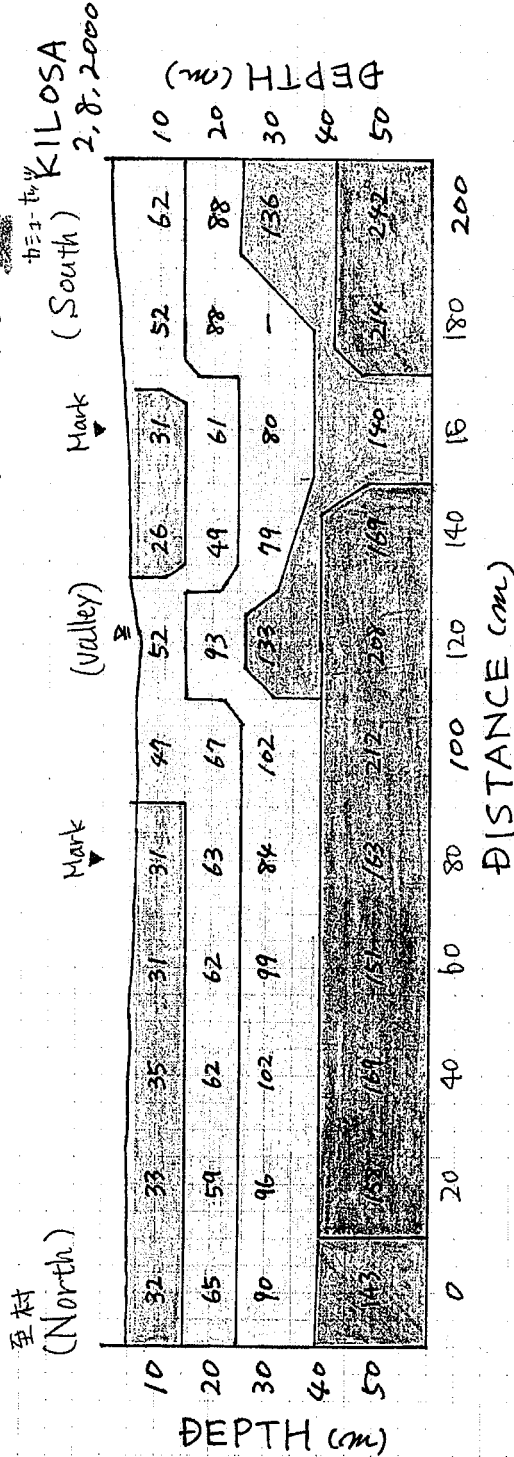
Kilosa (2/3)

$$D_1 = \bar{D} - \sigma = 40.0$$

$$D_2 = \bar{D} - \frac{1}{2}\sigma = 68.4$$

$$D_3 = \bar{D} + \frac{1}{2}\sigma = 125.1$$

$$D_4 = \bar{D} + \sigma = 153.4$$



M4-03/11

$$N = 43$$

$$\bar{D} = 96.7209$$

$$\sigma = 56.7$$

$$D_1 = \bar{D} - \frac{1}{2}\sigma = 59.8$$

$$D_2 = \bar{D} - \frac{1}{3}\sigma = 77.8$$

$$D_3 = \bar{D} + \frac{1}{3}\sigma = 115.6$$

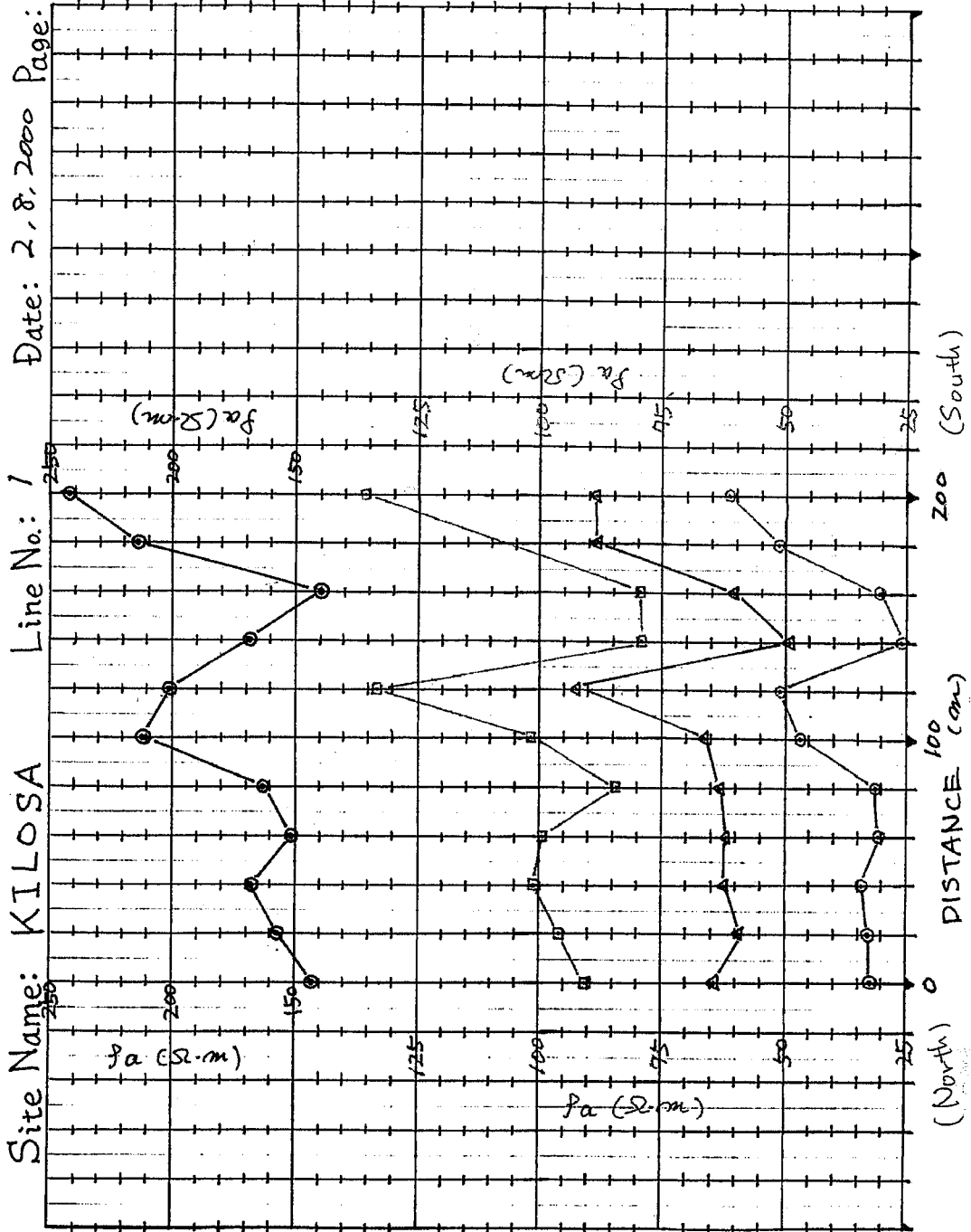
$$D_4 = \bar{D} + \frac{1}{2}\sigma = 134.5$$

8/20

Kilosa (3/3)

M4 - 03/11

1/1



9/23

Namasogo (1/3)

MA-02/11

NAMASOGO
13, 7, 2000

N = 36

Average = 105.7 (cm)

Standard Deviation

= 58.9

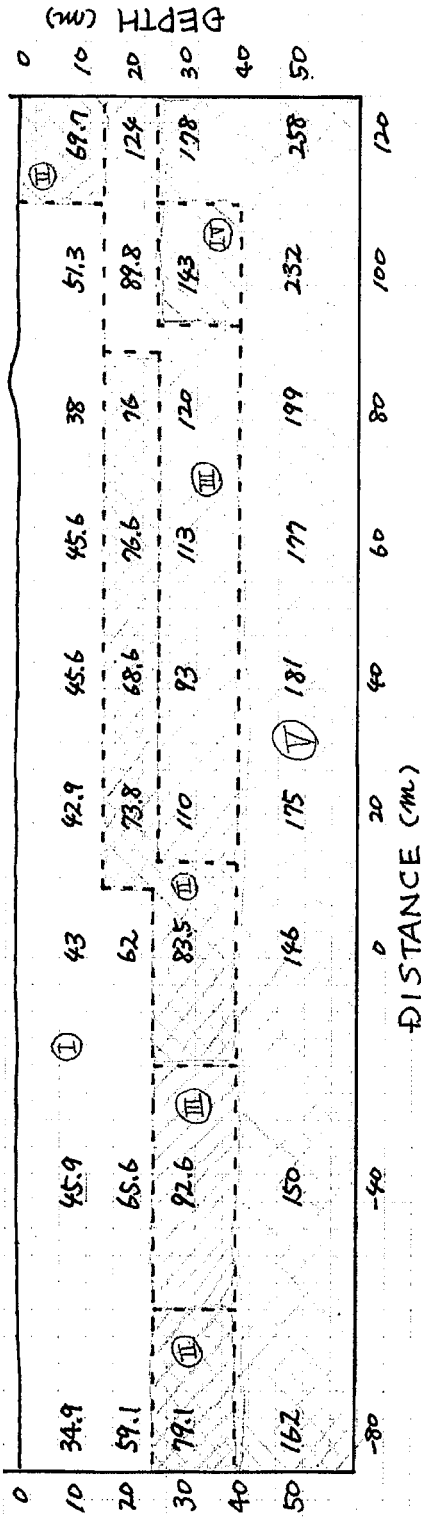
$$D_1 = 105.7 - \frac{2}{3} \times 58.9 = 66.4$$

$$D_2 = 105.7 - \frac{1}{3} \times 58.9 = 86.1$$

$$D_3 = 105.7 + \frac{1}{3} \times 58.9 = 125.3$$

$$D_4 = 105.7 + \frac{2}{3} \times 58.9 = 145$$

I	~ 66.4
II	66.4 ~ 86.1
III	86.1 ~ 125.3
IV	125.3 ~ 145
V	145 ~



Namasogo (2/3)

Δh = 40 Site Name: NAMASOGO Line No.: Date: 13.7.2003 Page: 4
 SOMA → village
 (Namasogo)

h	0	+20	+40	+60	+80	+100	+120
(R)	0.6820	0.6871	0.7352	0.7257	0.642	0.8162	1.1098
(P)	0.5842	0.6332	0.7260	0.7323	0.642	0.8162	1.1098
(R)	0.4938	0.5948	0.5461	0.6097	0.6052	0.7152	0.9894
(P)	0.4036	0.5070	0.5567	0.6097	0.6052	0.7152	0.9894
(R)	0.62	0.733	0.88.6	0.82.2	0.6976	0.89.8	1.24.3
(P)	0.4474	0.5910	0.4943	0.6009	0.6352	0.7609	0.9439
(R)	0.83.5	110	93	113.2	120	143.4	178
(P)	0.4620	0.5582	0.5750	0.567	0.6352	0.7382	0.8229
(R)	0.4623	0.5782	0.5782	0.5782	0.6352	0.7382	0.8229
(P)	146	175	176.7	176.7	191	231.8	258

max (89.7)
 min (38.4)
 max (174.3)
 min (59.1)
 max (178)
 min (79.1)
 max (258)
 min (146)
 max (258)
 min (34.9)

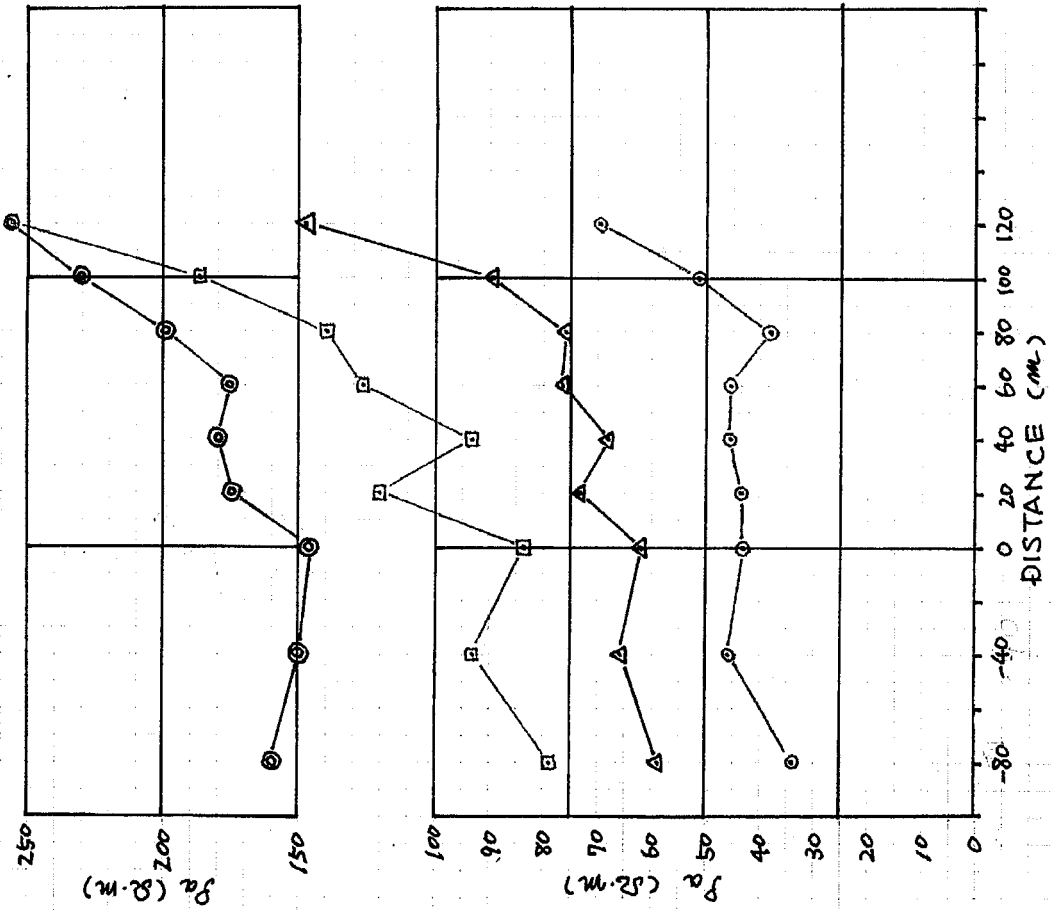
h	0	+20	+40	+60	+80	+100	+120
(R)	0.7204	0.7204	0.7204	0.5558	0.5437	0.5437	0.5437
(P)	0.7204	0.7204	0.7204	0.5558	0.5437	0.5437	0.5437
(R)	0.5726	0.5726	0.5726	0.5726	0.5726	0.5726	0.5726
(P)	0.5726	0.5726	0.5726	0.5726	0.5726	0.5726	0.5726
(R)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(P)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(R)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(P)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(R)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(P)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(R)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(P)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(R)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914
(P)	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914	0.4914

M4 -
 02/11

Namasogo (3/3)

M4-02/11

NAMASOGO
13, 7, 2000

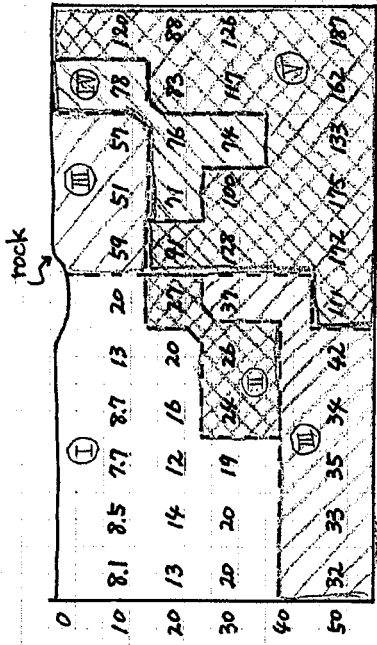
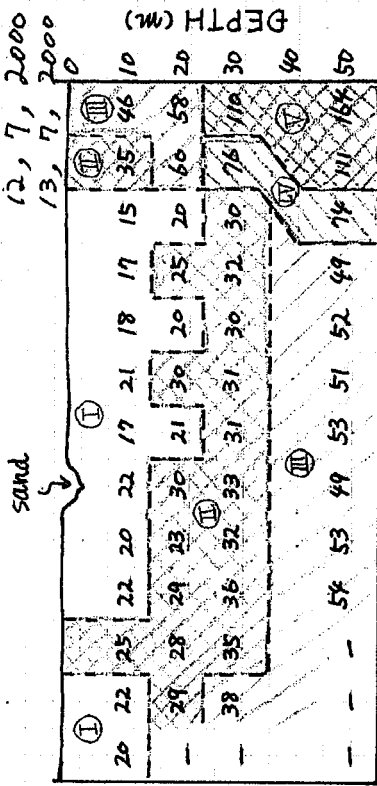


Nanyumbu (1/2)

N₁ = 44

N₂ = 47

N = N₁ + N₂ = 91



Average = 51.1

Standard Deviation = 42.9

$D_1 = 51.1 - \frac{2}{3} \times 42.9 = 22.5$

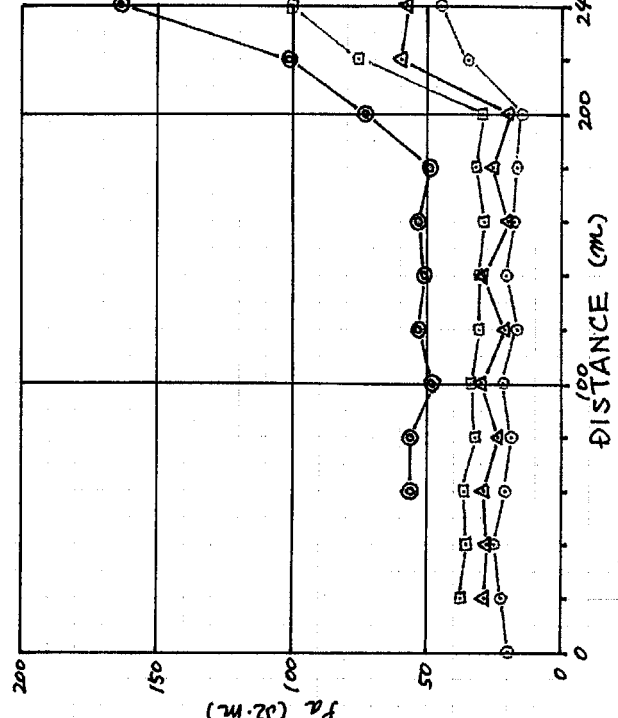
$D_2 = 51.1 - \frac{1}{3} \times 42.9 = 36.8$

$D_3 = 51.1 + \frac{1}{3} \times 42.9 = 65.4$

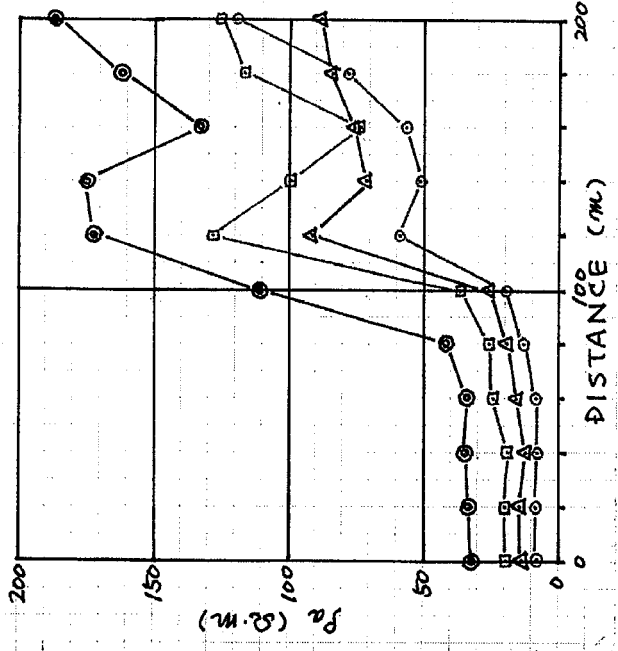
$D_4 = 51.1 + \frac{2}{3} \times 42.9 = 79.7$

- I ~ 22.5
- II 22.5 ~ 36.8
- III 36.8 ~ 65.4
- IV 65.4 ~ 79.7
- V 79.7 ~

LINE No. 2



LINE No. 1



Nanyumbu (2/2)

Ah = 20 Site Name: ~~NANYUMBU~~ NANYUMBU line No.: / Date: 12.7.2000 Page: /

h	0	20	40	60	80	100	120	140	160	180	200	
(R)	0.6294	0.1398	0.1233	0.1386	0.2130	0.3250	0.9357	0.8135	0.9123	1.2440	1.9116	max 120
(P)	8.1	8.5	7.7	8.1	12.9	20.4	58.8	51.1	57.3	78	120	min 7.7
(R)	0.1007	0.1144	0.0991	0.1308	0.1551	0.2129	0.7268	0.5883	0.608	0.6645	0.6907	max 91
(P)	12.9	14.4	12.4	16.4	19.5	26.7	91.3	71	76.4	83	88	min 12.4
(R)	0.1051	0.1064	0.1027	0.1297	0.1402	0.1970	0.6872	0.5279	0.3906	0.6211	0.6662	max 722
(P)	19.8	20.0	19.3	24.1	26.4	37.1	112	99.5	93.6	125.5	125.5	min 19.3
(R)	0.1019	0.1034	0.1114	0.1084	0.1258	0.3669	0.5464	0.5580	0.4245	0.3209	0.6125	max 187
(P)	32	32.5	35	34	42.0	110.9	171.6	175	133	162	162	min 32

max 120
min 7.7

Ah = 20 Site Name: / Date: 13.7.2000 Page: /

h	0	20	40	60	80	100	120	140	160	180	200	220	240
(R)	0.3926	0.4575	0.4050	0.3431	0.2127	0.3465	0.2700	0.3881	0.2933	0.2705	0.2413	0.5829	0.7267
(P)	20	22.3	25.7	21.5	19.4	21.8	16.956	33.62	27.98	45.11	15.7	35.4	45.6
(R)	0.1007	0.1144	0.0991	0.1308	0.1551	0.2129	0.7268	0.5883	0.608	0.6645	0.6907	0.6125	0.6125
(P)	12.9	14.4	12.4	16.4	19.5	26.7	91.3	71	76.4	83	88	88	88
(R)	0.1051	0.1064	0.1027	0.1297	0.1402	0.1970	0.6872	0.5279	0.3906	0.6211	0.6662	0.6125	0.6125
(P)	19.8	20.0	19.3	24.1	26.4	37.1	112	99.5	93.6	125.5	125.5	125.5	125.5
(R)	0.1019	0.1034	0.1114	0.1084	0.1258	0.3669	0.5464	0.5580	0.4245	0.3209	0.6125	0.6125	0.6125
(P)	32	32.5	35	34	42.0	110.9	171.6	175	133	162	162	162	162

max 45.6
min 15.2

Ah = 20 Site Name: / Date: 14.7.2000 Page: /

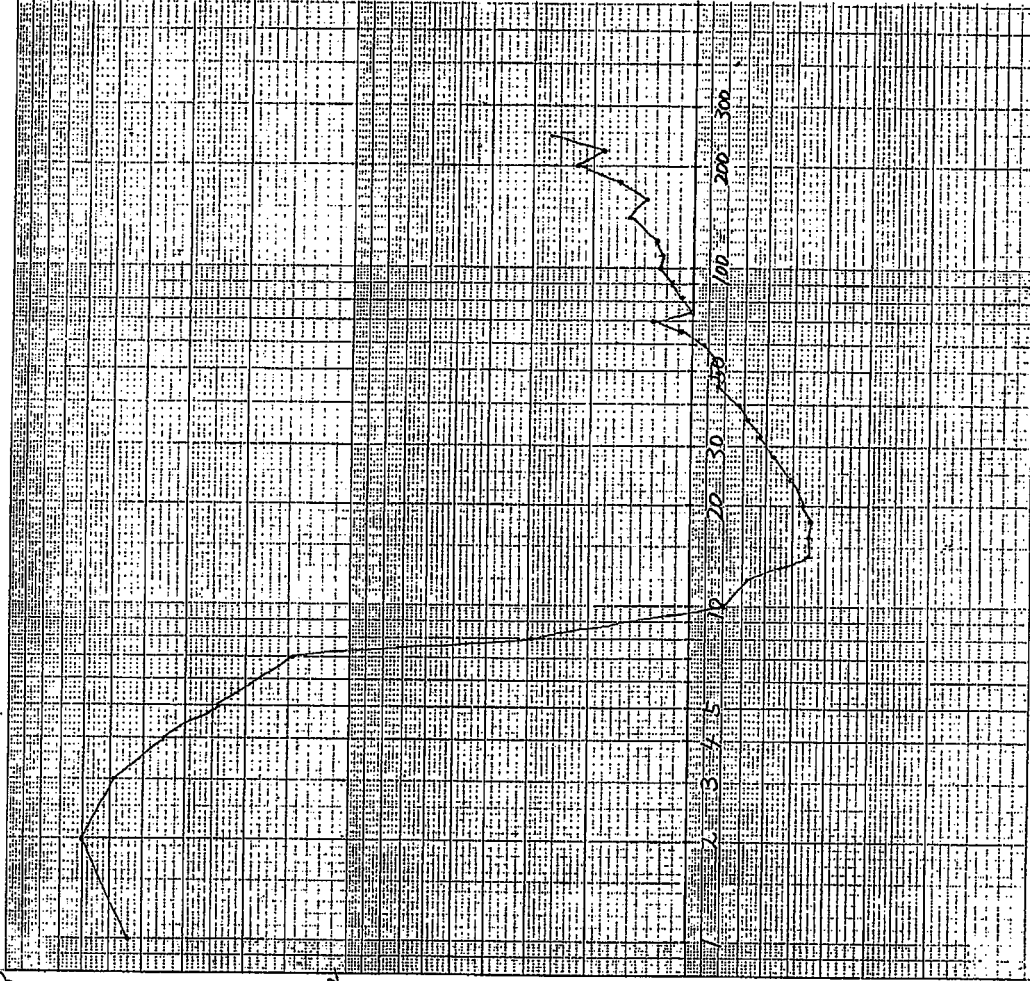
h	0	20	40	60	80	100	120	140	160	180	200	220	240
(R)	0.3926	0.4575	0.4050	0.3431	0.2127	0.3465	0.2700	0.3881	0.2933	0.2705	0.2413	0.5829	0.7267
(P)	20	22.3	25.7	21.5	19.4	21.8	16.956	33.62	27.98	45.11	15.7	35.4	45.6
(R)	0.1007	0.1144	0.0991	0.1308	0.1551	0.2129	0.7268	0.5883	0.608	0.6645	0.6907	0.6125	0.6125
(P)	12.9	14.4	12.4	16.4	19.5	26.7	91.3	71	76.4	83	88	88	88
(R)	0.1051	0.1064	0.1027	0.1297	0.1402	0.1970	0.6872	0.5279	0.3906	0.6211	0.6662	0.6125	0.6125
(P)	19.8	20.0	19.3	24.1	26.4	37.1	112	99.5	93.6	125.5	125.5	125.5	125.5
(R)	0.1019	0.1034	0.1114	0.1084	0.1258	0.3669	0.5464	0.5580	0.4245	0.3209	0.6125	0.6125	0.6125
(P)	32	32.5	35	34	42.0	110.9	171.6	175	133	162	162	162	162

max 45.6
min 15.2

Kilwa District

Migeregere (1/1)

MIGREGERE 27.10.2020

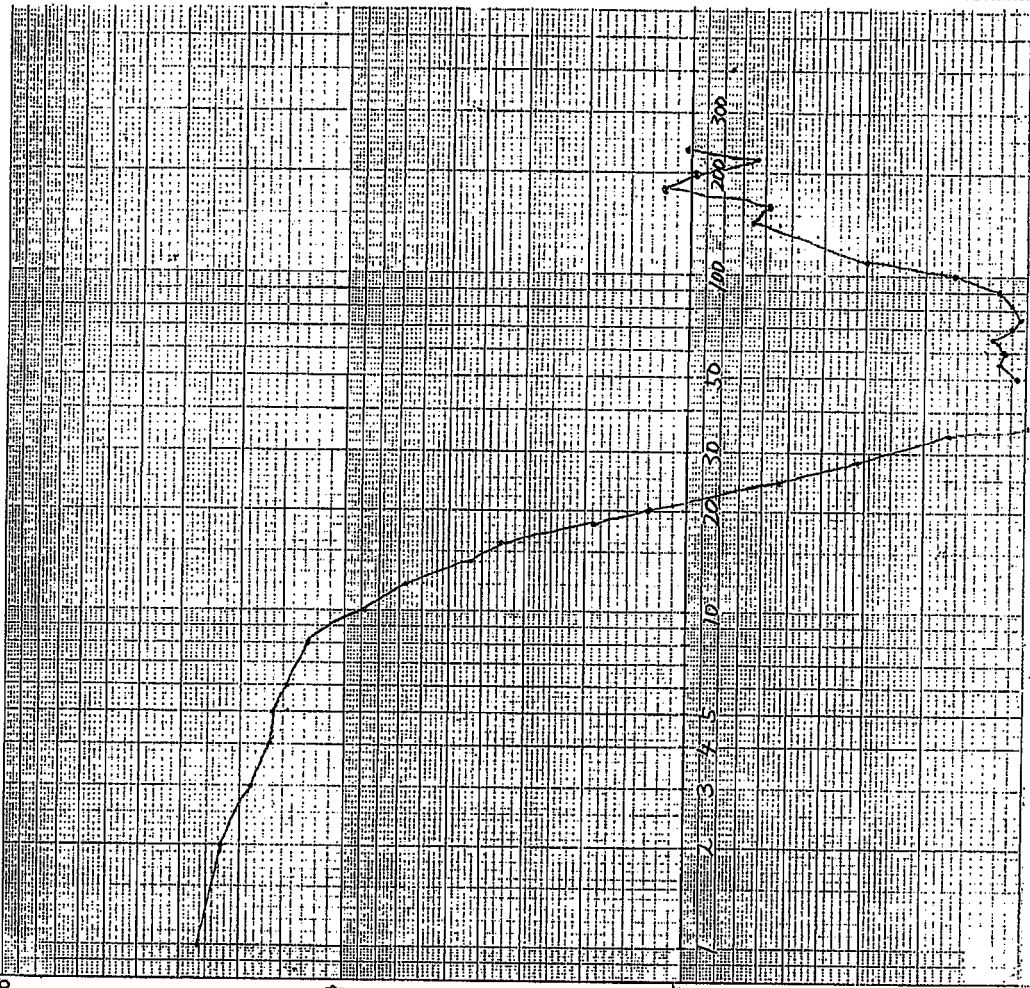


$$\rho_a = 2 \pi a \cdot V / I = 6.28 \times a \times V / I$$

TAG	a	mV	mA	R	ρ_a
1	1	70.48	7.001	70.472	442.19
2	2	95.69	2.002	47.795	602.22
3	3	52.82	2.001	26.387	496.08
4	4	27.88	2.002	13.928	349.59
5	5	15.32	2.002	7.658	240.39
6	6	7.790	2.001	3.8915	146.71
7	8	0.581	1.000	0.5742	29.23
8	10	0.130	1.000	0.1318	8.28
9	12	0.386	5.005	0.0771	5.81
10	14	0.259	5.005	0.0515	4.53
11	16	0.227	5.005	0.0454	4.54
12	18	0.198	5.004	0.0396	4.475
13	20	0.187	5.004	0.0375	4.73
14	24	0.339	10.01	0.0339	5.12
15	28	0.323	10.01	0.0323	5.685
16	32	0.311	10.00	0.0311	6.25
17	36	0.301	10.00	0.0301	6.80
18	40	0.287	10.01	0.0287	7.20
19	45	0.297	10.01	0.0297	8.41
20	50	0.265	10.00	0.0265	8.32
21	55	0.252	10.00	0.0252	8.69
22	60	0.478	20.01	0.0246	9.57
23	65	0.533	20.01	0.0266	10.85
24	70	0.603	20.01	0.0301	13.24
25	76	0.211	10.00	0.0211	10.06
26	82	0.212	10.00	0.0212	10.92
27	90	0.412	20.01	0.0205	11.58
28	100	0.403	20.01	0.0201	12.62
29	110	0.361	20.01	0.0180	12.44
30	120	0.339	20.01	0.0169	12.70
31	140	0.353	20.01	0.0176	15.47
32	160	0.275	20.01	0.0137	13.70
33	180	0.297	20.01	0.0149	16.84
34	200	0.181	10.00	0.0180	22.68
35	220	0.135	10.00	0.0135	18.63
36	240	0.177	10.00	0.0177	26.73
37	260				
38	280				
39	300				

Mtandango (1/1)

MTANDANGANO (KICWA) 25.10.2000

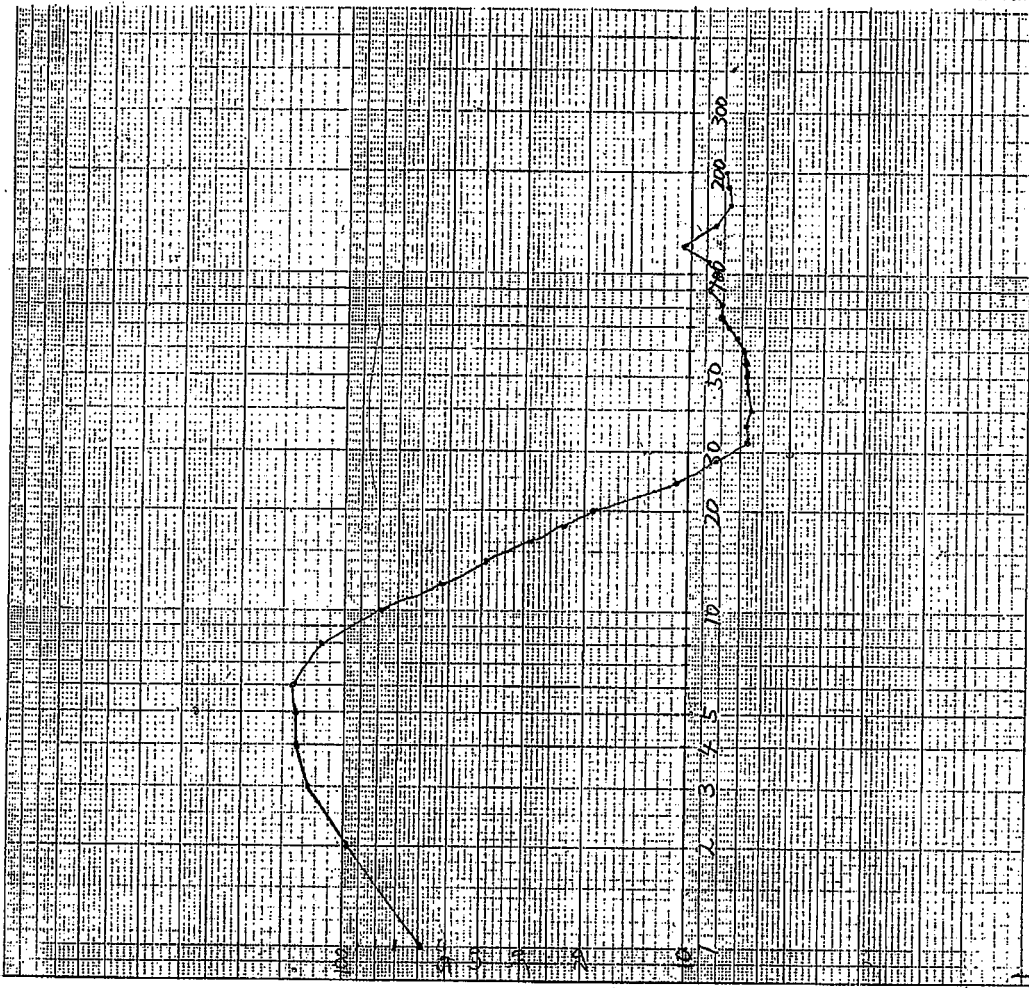


$\rho_a = 2 \pi a \cdot V / I = 6.28 \times a \times V / I$

TAG	a	mV	mA	R	ρ_a
1	1	415.3	1.001	414.87	2605.38
2	2	182.1	1.001	181.98	2292.95
3	3	98.82	1.001	98.722	1855.97
4	4	66.49	1.001	66.427	1667.32
5	5	52.01	1.001	51.962	1631.61
6	6	39.67	1.000	39.637	1494.31
7	8	25.74	1.000	25.723	1293.87
8	10	14.17	1.000	14.119	891.19
9	12	9.80	1.000	8.894	670.61
10	14	7.85	2.001	4.9035	431.51
11	16	6.15	2.888	3.5082	350.82
12	18	3.30	2.001	1.6639	188.02
13	20	4.208	2.004	0.8607	30.00
14	24	1.754	5.004	0.3505	61.69
15	28	0.875	5.004	0.1749	30.78
16	32	0.420	5.004	0.0839	16.85
17	36		5.004	0.0429	9.675
18	40	0.181	5.004	0.0362	9.10
19	45	0.148	5.004	0.0297	8.408
20	50	0.332	9.951	0.0334	10.50
21	55	0.177	5.004	0.0355	12.20
22	60	0.157	5.014	0.0314	11.8
23	65	0.155	5.004	0.0310	12.6
24	70	0.125	5.004	0.0250	11.0
25	76	0.109	5.004	0.0217	10.4
26	82	0.108	5.004	0.0216	11.12
27	90	0.217	10.000	0.0217	12.3
28	100	0.261	10.000	0.0261	16.4
29	110	0.444	10.01	0.0443	30.6
30	120	0.243	5.004	0.0487	36.7
31	140	0.366	5.004	0.0732	64.3
32	160	0.583	10.004	0.0583	58.3
33	180	1.064	10.000	0.1063	120.12
34	200	0.778	10.000	0.0777	97.90
35	220	0.228	5.004	0.0457	63.07
36	240				
37	260				
38	280				
39	300				

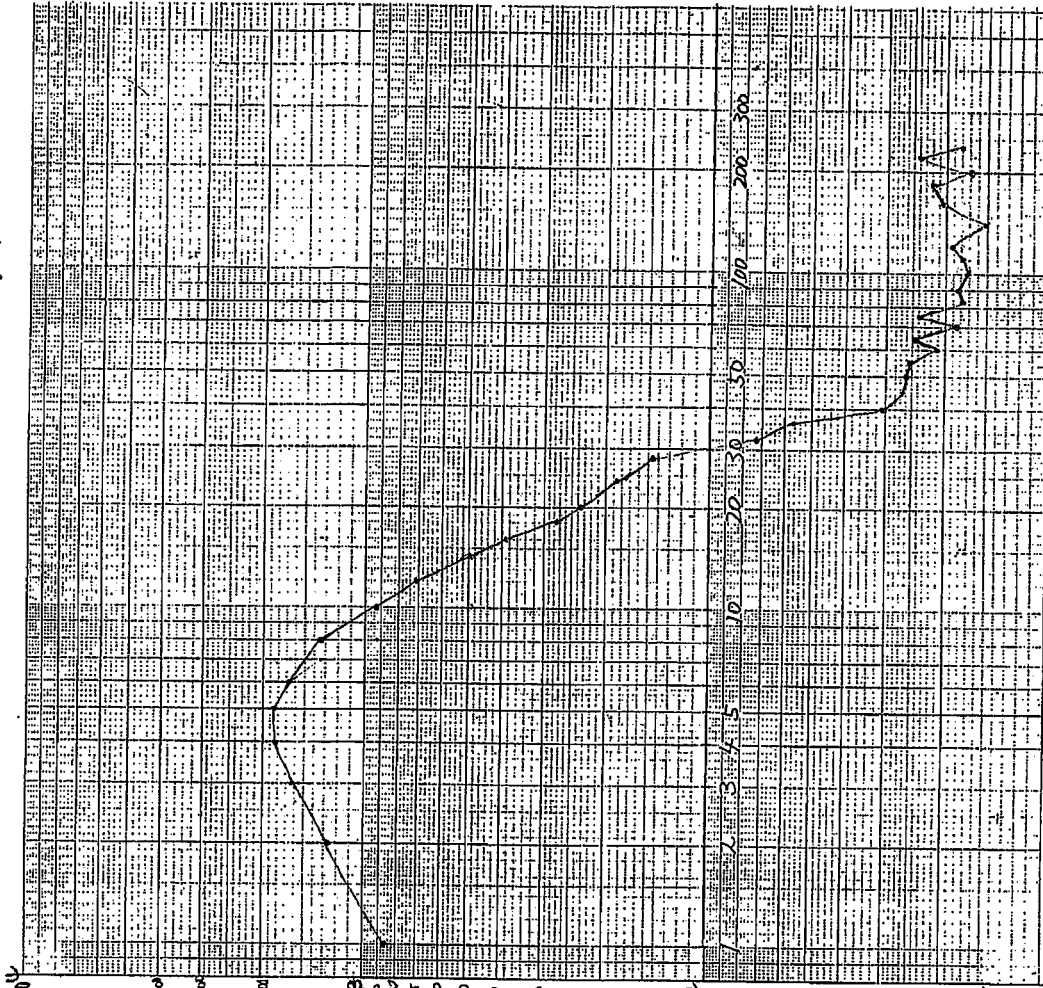
$$\rho_a = 2 \cdot \pi \cdot a \cdot V / \sqrt{I} = 6.28 \cdot a \cdot x \cdot V / I$$

TAG	a	mV	mA	R	ρ_a
1	1	9.264	1.001	9.3545	58.74
2	2	7.752	1.001	7.7435	97.57
3	3	6.814	1.021	6.8068	127.97
4	4	11.00	2.002	5.4946	132.91
5	5	8.881	2.002	4.4361	135.29
6	6	7.457	2.002	3.7246	140.42
7	8	4.644	2.002	2.3197	116.22
8	10	2.514	2.002	1.2559	78.87
9	12	3.484	5.004	0.6961	52.50
10	14	2.218	5.004	0.4432	39.00
11	16	1.409	5.004	0.2815	28.15
12	18	2.067	10.00	0.2065	33.33
13	20	1.508	10.00	0.1506	19.00
14	24	0.785	10.00	0.0726	10.96
15	28	0.467	10.00	0.0467	8.22
16	32	0.675	20.01	0.0337	6.77
17	36	0.605	20.01	0.0302	6.83
18	40	0.523	20.01	0.0261	6.55
19	45	0.476	20.01	0.0238	6.74
20	50	0.431	20.01	0.0215	6.75
21	55	0.395	20.01	0.0197	6.80
22	60	0.369	20.01	0.0184	6.94
23	65	0.360	20.01	0.0180	7.34
24	70	0.345	20.01	0.0172	7.57
25	76	0.335	20.01	0.0167	8.00
26	82	0.312	20.01	0.0156	8.03
27	90	0.305	20.01	0.0152	8.60
28	100	0.266	20.01	0.0133	8.35
29	110	0.253	20.01	0.0129	8.91
30	120	0.278	20.01	0.0138	10.41
31	140		20.01	0.0095	8.35
32	160		20.01	0.0076	7.6
33	180	0.139	20.01	0.0069	7.79
34	200			0.0062	
35	220				
36	240				
37	260				
38	280				
39	300				



Mtitimira (1/1)

MTITIMIRA KILWA VES 1 24.10.2000



$\rho_a = 2\pi a \cdot V / I = 6.28 \times a \times V / I$

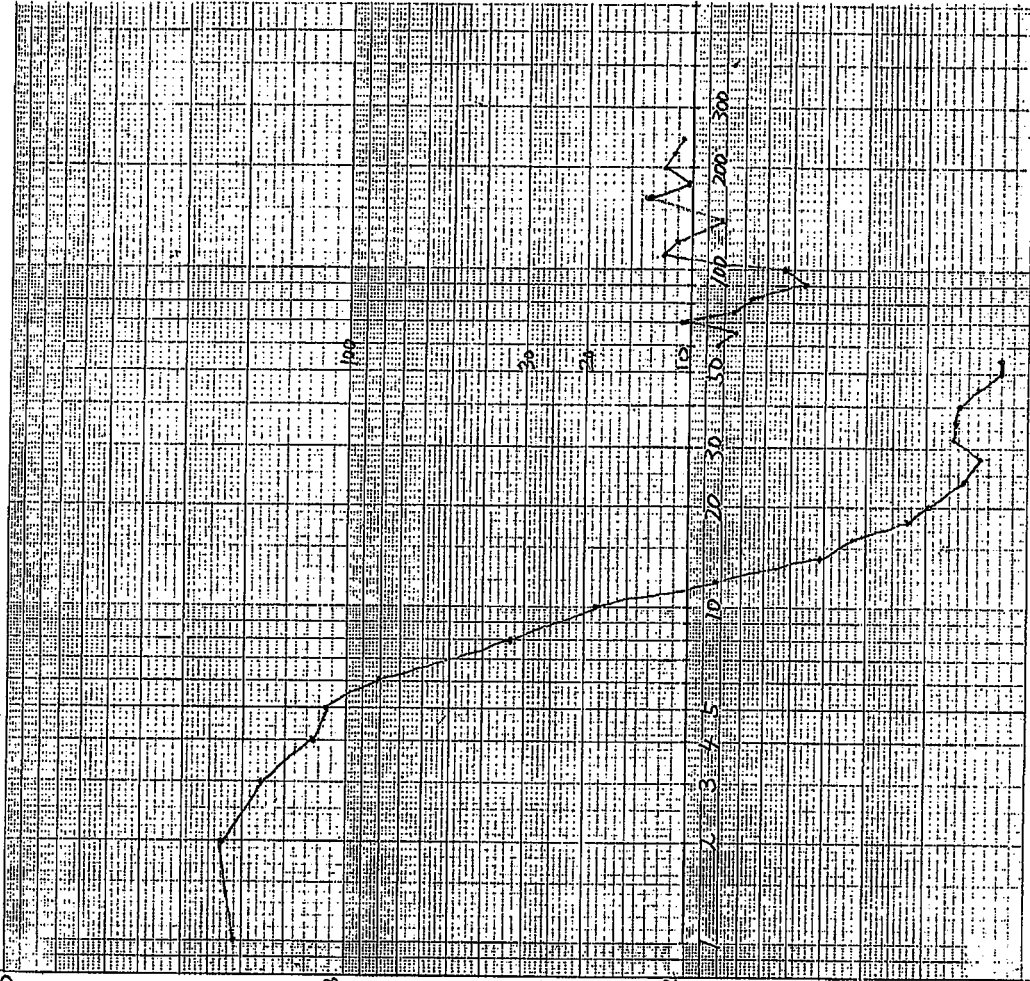
TAG	a	mV	mA	R	ρ_a
1	1			138.86	872.04
2	2			101.77	1282.30
3	3			86.756	1631.01
4	4			72.328	1815.43
5	5			58.739	1844.41
6	6			44.835	1690.43
7	8			26.602	1338.08
8	10			14.593	916.44
9	12			9.4090	709.44
10	14			5.6365	496.01
11	16			3.8877	388.77
12	18			2.4346	275.11
13	20			1.8706	235.70
14	24			1.2093	182.60
15	28			0.8148	142.4
16	32	0.359	1.070	0.3605	72.5
17	36	2.487	10.00	0.2484	56.14
18	40	1.212	10.00	0.1200	32.10
19	45	0.942	10.010	0.0940	26.60
20	50	0.808	9.582	0.0841	26.41
21	55	0.6734	10.010	0.0733	25.30
22	60	0.552	10.000	0.0558	21.04
23	65	0.604	9.878	0.0612	24.96
24	70	0.423	10.00	0.0423	18.612
25	78	0.505	10.00	0.0504	24.040
26	82	0.660	20.01	0.0339	17.500
27	90	0.645	20.01	0.0322	18.2
28	100	0.054	2.001	0.0272	17.1
29	110	0.130	5.004	0.0259	17.9
30	120	0.124	5.003	0.0247	18.6
31	140	0.087	5.004	0.0174	15.3
32	160	0.101	5.004	0.0203	20.3
33	180	0.098	5.004	0.0196	22.15
34	200	0.132	10.00	0.0132	16.63
35	220			0.0175	24.15
36	240	0.119	10.02	0.0119	17.97
37	260				
38	280				
39	300				

Namakongoro (1/1)

L4- 05/09
 NAMA KONGORO VES 1 26.10.2019

$$p_a = 2\pi \cdot a \cdot V \cdot I = 6.28 \cdot a \cdot V \cdot I$$

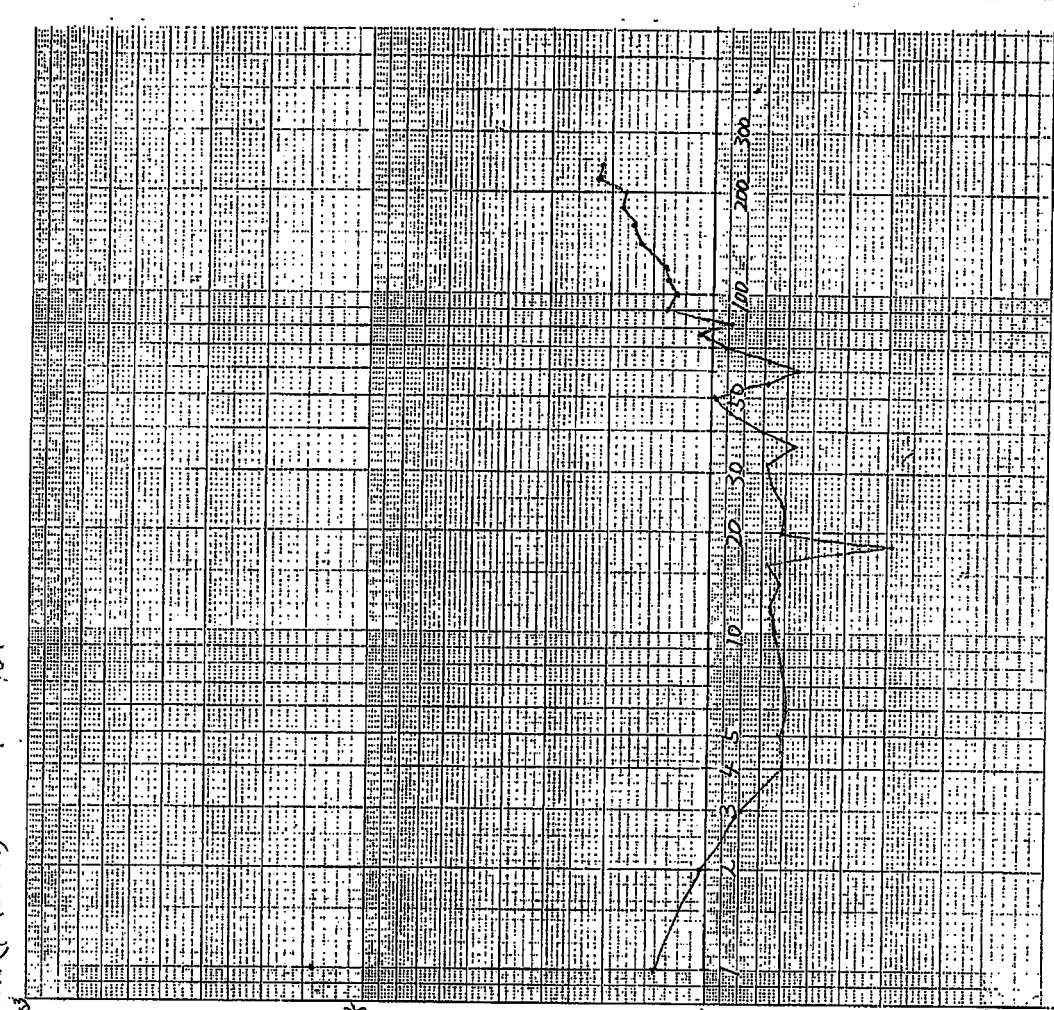
TAG	a	mV	mA	R	p _a
1	1	341.5	1.001	341.19	2142.67
2	2	183.7	1.001	183.52	2312.18
3	3	100.1	1.001	95.403	1743.59
4	4	49.85	1.001	49.801	1250.01
5	5	36.55	1.001	36.512	1146.48
6	6	21.52	1.000	21.507	810.81
7	8	6.578	1.001	6.5720	330.57
8	10	6.018	2.001	3.0065	188.81
9	12	2.223	2.001	1.1105	83.73
10	14	0.0948	2.001	0.4739	41.70
11	16	0.668	2.001	0.3337	33.37
12	18	1.005	5.004	0.2008	22.69
13	20	0.785	5.005	0.1569	19.77
14	24	0.395	5.005	0.1028	15.52
15	28	0.839	5.004	0.1789	18.89
16	32	0.839	10.000	0.0838	16.84
17	36	0.610	8.360	0.0729	16.48
18	40	0.319	5.004	0.0638	16.01
19	45	0.245	4.054	0.0495	14.00
20	50	0.192	5.004	0.0385	12.10
21	55	0.354	10.000	0.0353	12.18
22	60	0.206	9.408	0.0219	8.26
23	65	0.090	5.004	0.0179	7.30
24	70	0.248	10.000	0.0247	10.87
25	76	0.128	8.166	0.0157	7.49
26	82	0.065	5.006	0.0129	6.64
27	90	0.080	9.792	0.0082	4.63
28	100	0.084	10.000	0.0084	5.28
29	110	0.178	10.000	0.0178	12.30
30	120	0.146	10.000	0.0146	11.06
31	140	0.018	2.001	0.0094	8.26
32	160	0.066	5.004	0.0132	13.20
33	180	0.090	10.000	0.0090	10.17
34	200	0.194	20.001	0.0097	12.22
35	220	0.164	20.001	0.0082	11.32
36	240	0.071	10.000	0.0071	10.77
37	260				
38	280				
39	300				



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Kiwawa (1/1)

Kiwawa (Kiwawa) L4-03/09



$\rho_a = 2\pi a \cdot V / l = 0.28 \times a \times V / l$

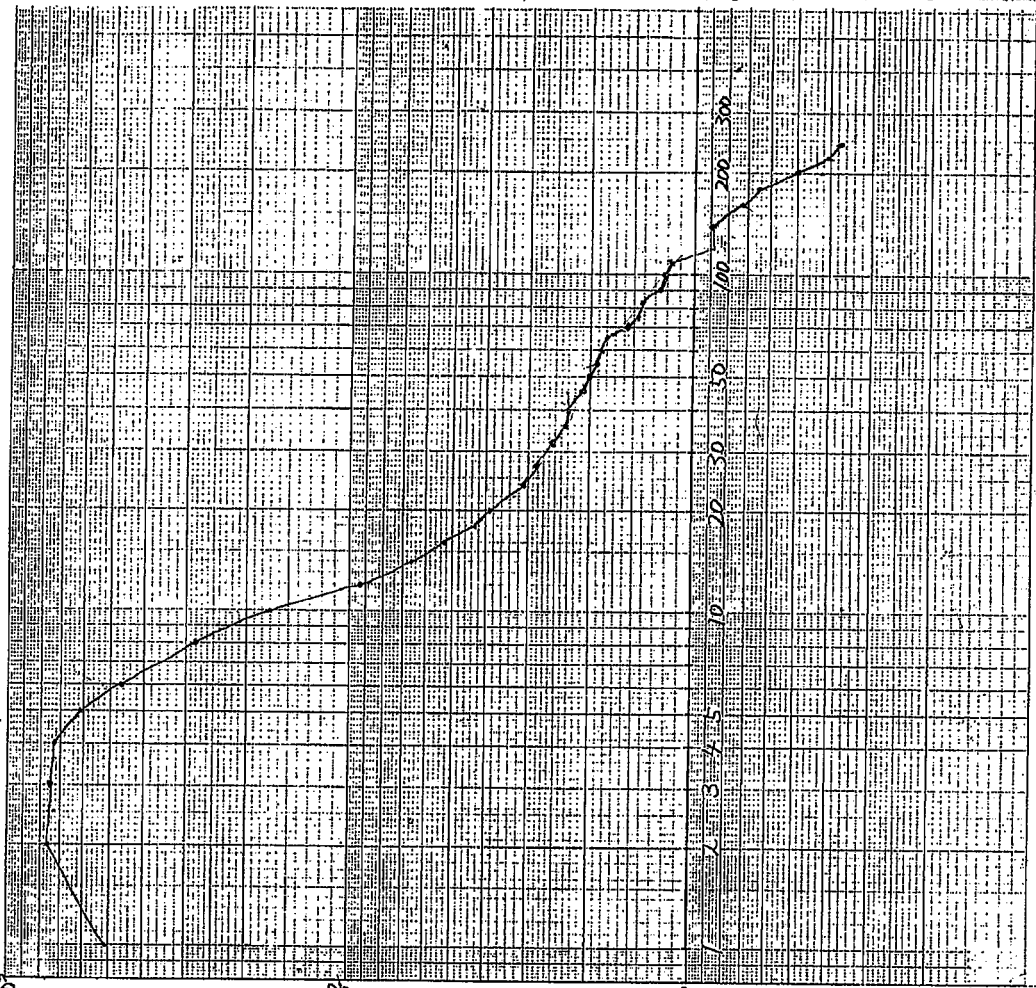
TAG	a	mV	mA	R	ρ_a
1	1	2.2677	1.001	2.2649	14.224
2	2	1.660	2.002	0.8273	10.45
3	3	2.156	5.004	0.4307	8.10
4	4	1.207	5.005	0.2411	6.05
5	5	0.943	5.014	0.1925	6.04
6	6	1.589	10.00	0.1586	5.98
7	8	1.208	10.00	0.1207	6.07
8	10	1.025	10.00	0.1024	6.43
9	12	0.871	10.00	0.0870	6.56
10	14	0.700	10.00	0.0700	6.16
11	16	0.678	9.976	0.0679	6.79
12	18	0.513	20.01	0.0256	2.89
13	20	0.980	20.01	0.0490	6.17
14	24	0.816	20.01	0.0407	6.15
15	28	0.755	20.01	0.0377	6.64
16	32	0.650	20.01	0.0338	6.80
17	36	0.504	20.01	0.0253	5.72
18	40	0.561	20.01	0.0280	7.03
19	45	0.316	10.00	0.0316	8.74
20	50	0.278	8.878	0.0314	9.86
21	55	0.202	10.00	0.0202	6.967
22	60	0.148	10.00	0.0148	5.58
23	65	0.166	10.00	0.0166	6.77
24	70	0.435	20.01	0.0217	9.55
25	76	0.466	20.01	0.0233	11.11
26	82	0.347	20.01	0.0173	8.91
27	90	0.240	10.00	0.0240	13.56
28	100	0.103	5.003	0.0207	13.00
29	110	0.195	10.00	0.0195	13.47
30	120	0.364	20.01	0.0182	13.72
31	140	0.310	16.40	0.0189	16.61
32	160	0.346	20.01	0.0173	17.30
33	180	0.337	20.01	0.0168	18.98
34	200	0.297	20.01	0.0148	18.65
35	220	0.080	5.002	0.0161	22.22
36	240	0.284	20.01	0.0142	21.44
37	260				
38	280				
39	300				

Lihimalyoao (1/1)

VBS 1 26.10.2008

LITHIMALYOAO KILWA

L4-04/09
 $\rho_a = 2 \cdot \pi \cdot a \cdot V / I = 6.28 \times a \times V / I$



TAG	a	mV	mA	R	ρ_a
1	1	79.97	1.001	79.89	501.39
2	2	60.76	1.001	60.698	768.80
3	3	39.95	1.000	39.911	750.33
4	4	29.31	1.000	29.286	735.08
5	5	19.59	1.000	19.579	614.78
6	6	12.26	1.000	12.252	461.90
7	8	11.15	2.001	5.5726	280.30
8	10	5.417	2.001	2.7063	170.00
9	12	2.452	2.001	1.2250	92.37
10	14	3.762	5.004	0.7518	66.16
11	16	2.615	5.004	0.5225	52.25
12	18	1.921	5.004	0.3860	43.62
13	20	1.529	5.004	0.3055	38.99
14	24	1.024	5.004	0.2046	30.89
15	28	0.808	5.004	0.1618	28.41
16	32	1.276	10.000	0.1275	25.63
17	36	1.042	10.000	0.1041	23.53
18	40	0.939	10.000	0.0938	22.54
19	45	0.740	10.000	0.0742	21.00
20	50	0.634	10.000	0.0637	20.00
21	55	0.555	10.000	0.0555	19.15
22	60	0.499	10.000	0.0498	18.77
23	65	0.442	10.000	0.0441	18.00
24	70	0.356	10.000	0.0356	15.66
25	76	0.307	10.000	0.0307	14.64
26	82	0.225	10.000	0.0225	14.16
27	90	0.221	10.000	0.0221	12.49
28	100	0.195	10.000	0.0195	12.25
29	110	0.174	10.000	0.0173	11.95
30	120	0.117	10.000	0.0117	8.82
31	140	0.102	20.01	0.0102	8.97
32	160	0.145	20.01	0.0072	7.20
33	180	0.117	20.01	0.0058	6.55
34	200	0.020	5.004	0.0040	5.04
35	220	0.015	5.004	0.0030	4.14
36	240	0.025	20.01	0.0025	3.78
37	260				
38	280				
39	300				

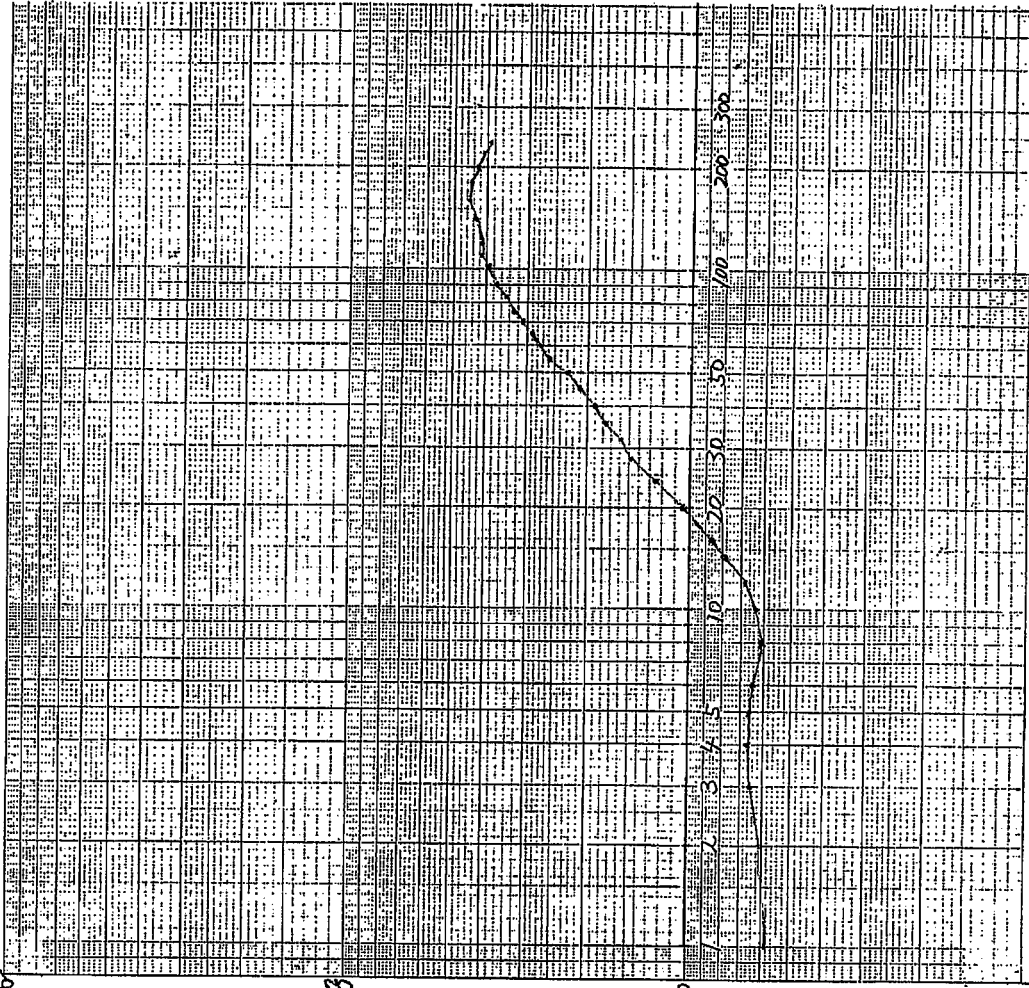
Mandawa (1/1)

MANDAWA VES 1 30.10.2000

L4-0269

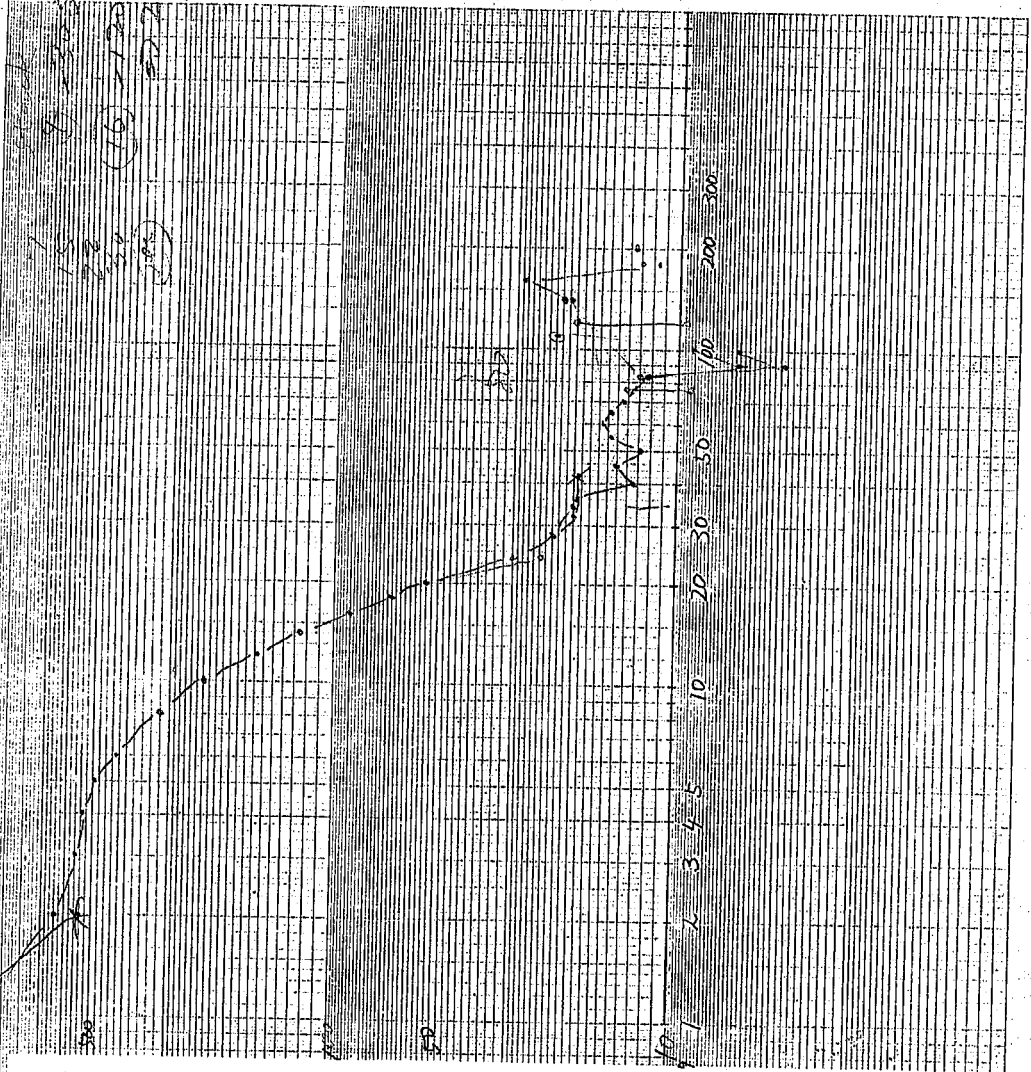
$$\rho_a = 2\pi a \cdot V / I = 6.28 \times a \times V / I$$

TAG	a	mV	mA	R	ρ_a
1	1	1.814	2.002	0.9060	5.69
2	2	0.960	2.002	0.4797	6.04
3	3	1.722	5.005	0.3442	6.97
4	4	1.350	5.005	0.2698	6.77
5	5	1.075	5.005	0.2148	6.74
6	6	0.869	5.005	0.1735	6.54
7	8	1.216	10.00	0.1215	6.11
8	10	1.992	20.01	0.0995	6.25
9	12	1.813	20.01	0.0905	6.82
10	14	1.803	20.01	0.0900	7.92
11	16	1.741	20.01	0.0869	8.69
12	18	1.706	20.01	0.0852	9.63
13	20	1.673	20.01	0.0835	10.52
14	24	1.669	20.01	0.0834	12.60
15	28	1.700	20.01	0.0849	14.94
16	32	1.594	20.01	0.0796	16.00
17	36	1.587	20.01	0.0742	17.90
18	40	1.522	20.01	0.0760	19.08
19	45	1.515	20.01	0.0756	21.39
20	50	1.485	20.01	0.0742	23.30
21	55	1.509	20.01	0.0754	26.01
22	60	1.468	20.01	0.0733	27.63
23	65	1.435	20.01	0.0717	29.25
24	70	1.401	20.01	0.0699	30.76
25	76	1.377	20.01	0.0688	32.82
26	82	1.342	20.01	0.0670	34.51
27	90	1.344	20.01	0.0671	37.91
28	100	1.273	20.01	0.0636	39.94
29	110	1.210	20.01	0.0604	41.74
30	120	1.113	20.01	0.0556	41.92
31	140	1.00	20.01	0.0499	43.86
32	160	0.917	20.01	0.0458	45.82
33	180	0.802	20.01	0.0400	45.20
34	200	0.670	20.01	0.0335	42.21
35	220	0.596	20.01	0.0297	40.99
36	240	0.522	20.01	0.0260	39.26
37	260				
38	280				
39	300				



Pande Plot (1/2)

L4-01/09



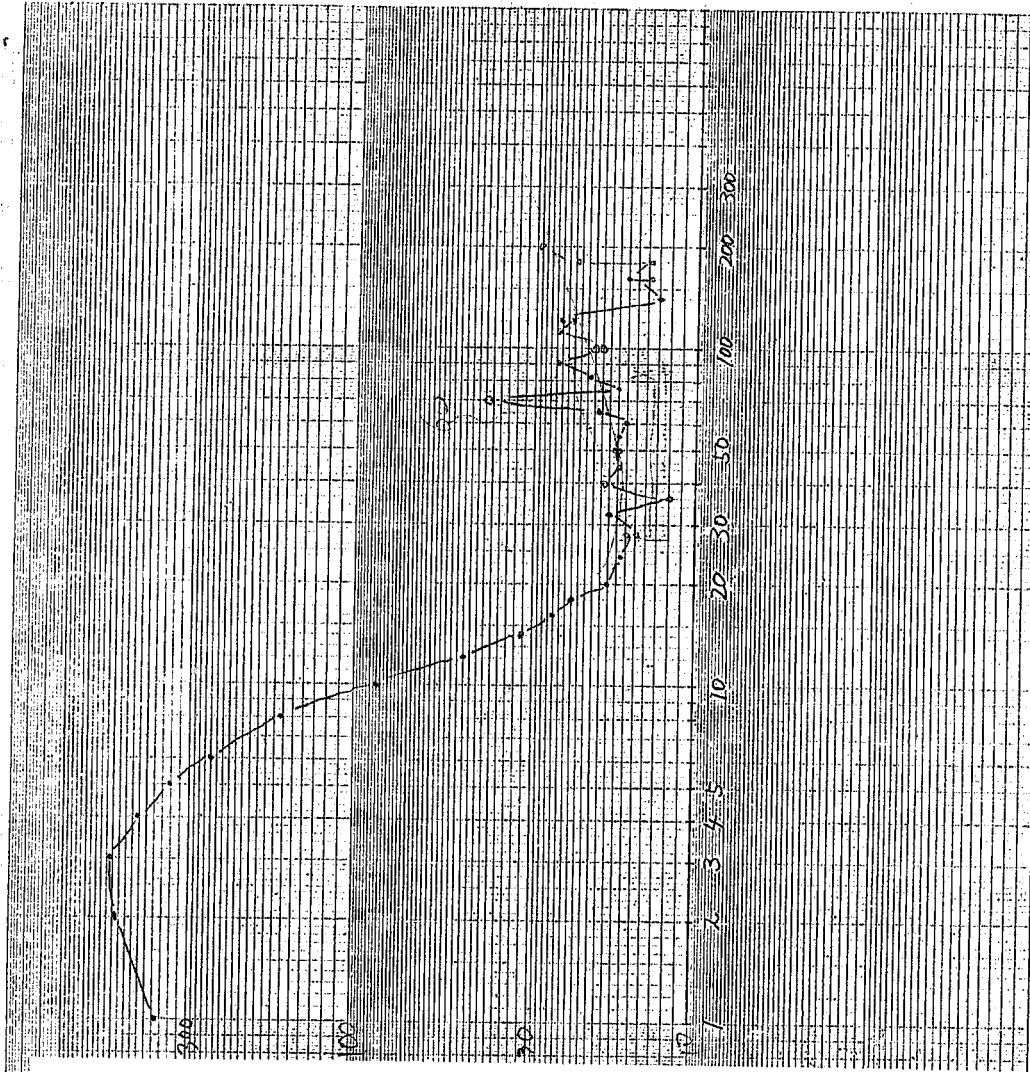
21, 7, 2000
PANDE PLOT (ves)

IAG	mmA	mmA	mmA	mmA
1	211.44	132.97	84.14	52.89
2	20.908	16.26	10.17	6.414
3	21.945	16.26	10.17	6.414
4	21.072	16.26	10.17	6.414
5	15.157	16.26	10.17	6.414
6	16.087	16.26	10.17	6.414
7	6.368	16.26	10.17	6.414
8	3.7395	16.26	10.17	6.414
9	2.0720	16.26	10.17	6.414
10	1.445	16.26	10.17	6.414
11	0.9203	16.26	10.17	6.414
12	0.6049	16.26	10.17	6.414
13	0.4582	16.26	10.17	6.414
14	0.3666	16.26	10.17	6.414
15	0.282	16.26	10.17	6.414
16	0.2193	16.26	10.17	6.414
17	0.1708	16.26	10.17	6.414
18	0.1322	16.26	10.17	6.414
19	0.1029	16.26	10.17	6.414
20	0.0806	16.26	10.17	6.414
21	0.0635	16.26	10.17	6.414
22	0.0517	16.26	10.17	6.414
23	0.0435	16.26	10.17	6.414
24	0.0370	16.26	10.17	6.414
25	0.0323	16.26	10.17	6.414
26	0.0285	16.26	10.17	6.414
27	0.0257	16.26	10.17	6.414
28	0.0236	16.26	10.17	6.414
29	0.0221	16.26	10.17	6.414
30	0.0210	16.26	10.17	6.414
31	0.0202	16.26	10.17	6.414
32	0.0197	16.26	10.17	6.414
33	0.0193	16.26	10.17	6.414
34	0.0190	16.26	10.17	6.414
35	0.0188	16.26	10.17	6.414
36	0.0186	16.26	10.17	6.414
37	0.0185	16.26	10.17	6.414
38	0.0184	16.26	10.17	6.414
39	0.0184	16.26	10.17	6.414
40	0.0184	16.26	10.17	6.414

$\rho = 2\pi \cdot V / I$
 $= 6.28 \times V / I$

Pande Plot (2/2)

L4-0/09



PANDE PLOT
21.7.2000
V452

IAC	mA	mA	R	DR
1	1.90	23		377
2	3.9	16		1937
3	7.9	13		509
4	16.0	6		2213
5	14.9	8		3425
6	6.8	16		2578
7	3.2	16		1637
8	10.3	12		825
9	12.0	10		48
10	14.0	8		315
11	16.0	6		262
12	18.0	5		229
13	20.0	4		181
14	24.0	3		125
15	28.0	2		74
16	32.0	1		49
17	36.0	0.5		32
18	40.0	0.25		21
19	45.0	0.15		15
20	50.0	0.1		10
21	55.0	0.08		7
22	60.0	0.06		5
23	65.0	0.05		4
24	70.0	0.04		3
25	76.0	0.03		2
26	82.0	0.02		1
27	90.0	0.01		0.5
28	100.0	0.01		0.25
29	110.0	0.01		0.12
30	120.0	0.01		0.06
31	140.0	0.01		0.03
32	160.0	0.01		0.015
33	180.0	0.01		0.008
34	200.0	0.01		0.005
35	220.0	0.01		0.003
36	240.0	0.01		0.002
37	260.0	0.01		0.001
38	280.0	0.01		0.0005
39	300.0	0.01		0.0002

0.0848

0.0558

0.0461

0.0346

0.0353

0.0303

0.0202

0.0135

0.0148

0.0137

0.0101

0.0156

0.0130

0.0234

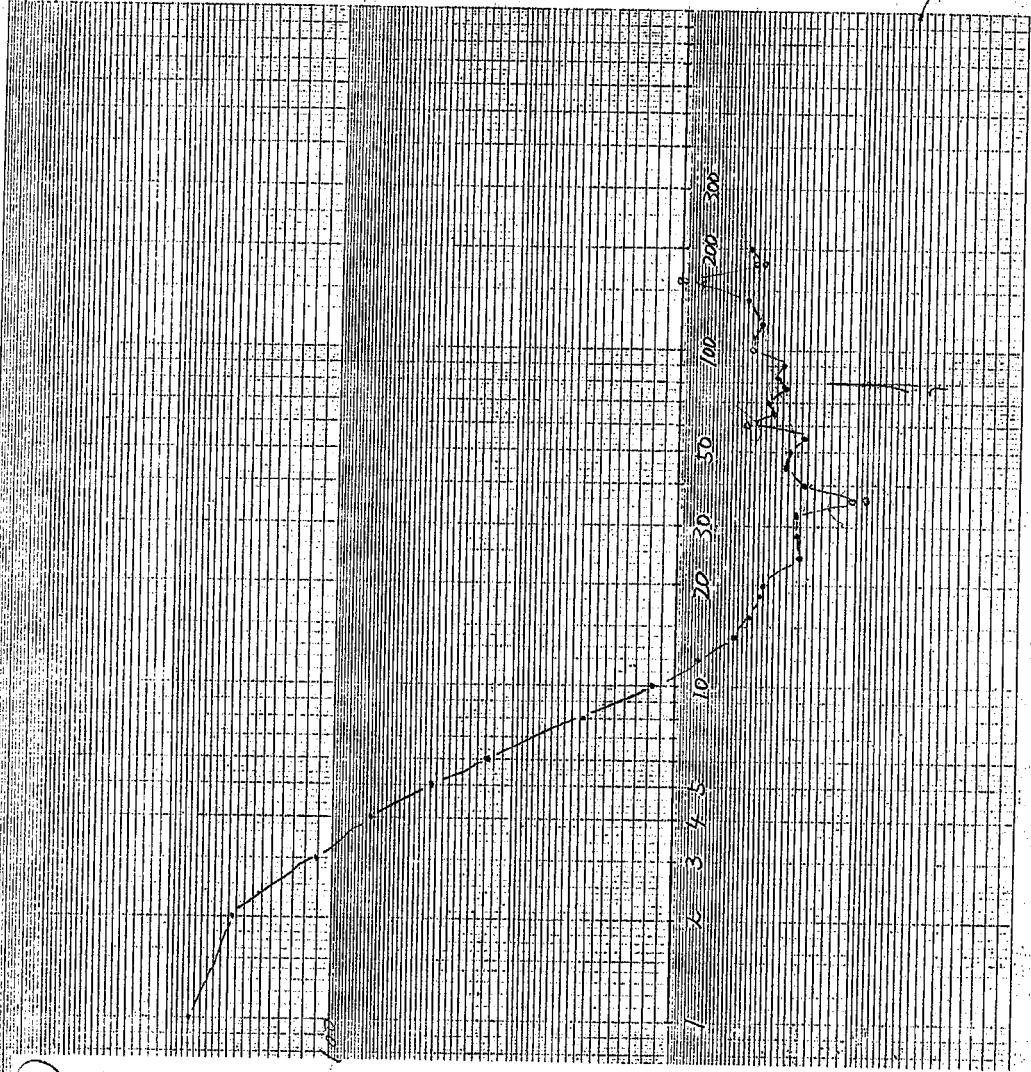
$$DR = 2\pi a \cdot V / I$$

$$= 6.28 \times a \times V / I$$

Lindi Rural

Kilangala (1/2)

L1-14/17



10.17.2000

KILANGALA (vest)

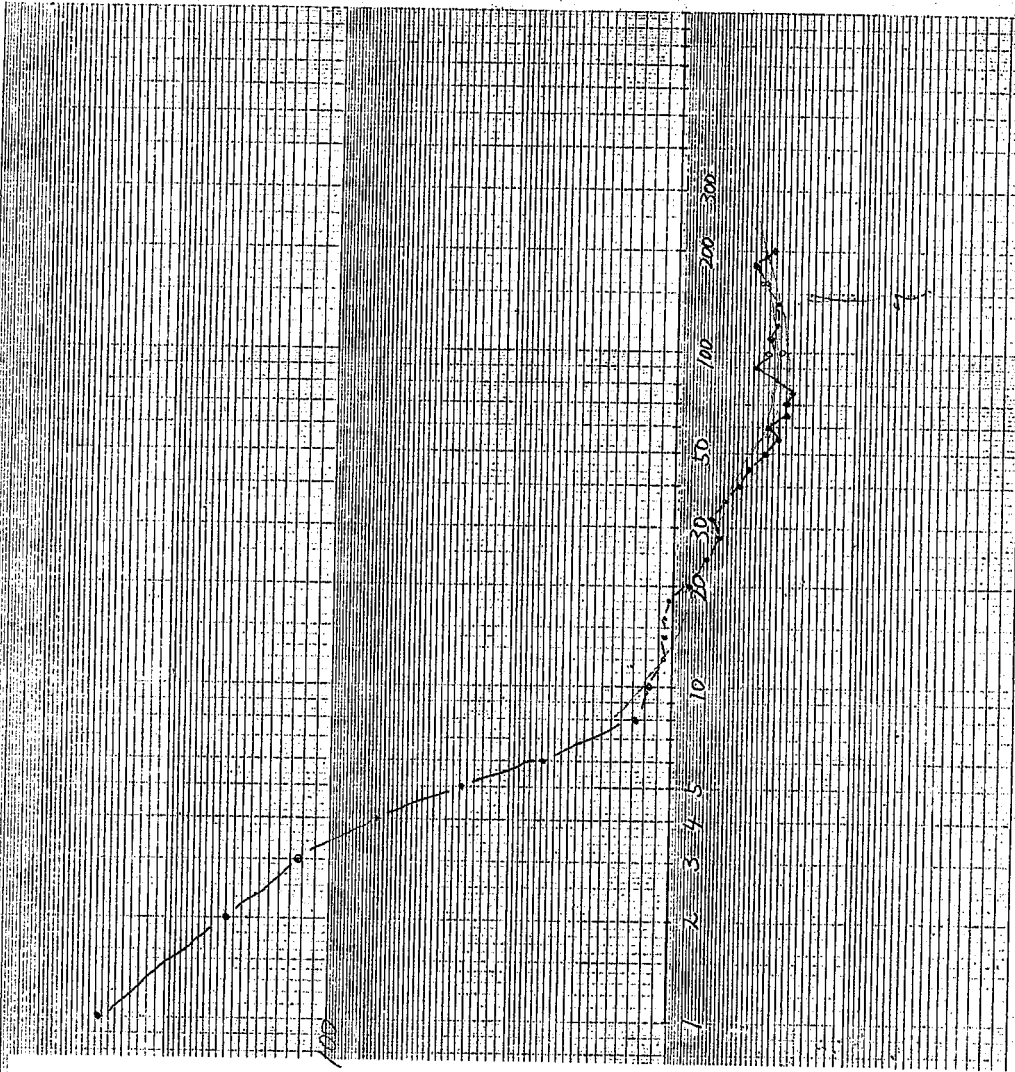
TAC	a	mmV	mmA	R	dB
1	1				287.2
2	2				194.6
3	3				141.0
4	4				108.0
5	5				81.4
6	6				63.0
7	7				48.6
8	10				36.7
9	12				28.6
10	14				21.8
11	16				16.1
12	18				12.7
13	20				9.6
14	24				7.2
15	28				5.5
16	32				4.3
17	36				3.2
18	40				2.4
19	45				1.9
20	50				1.5
21	55				1.2
22	60				0.9
23	65				0.7
24	70				0.5
25	76				0.4
26	82				0.3
27	90				0.2
28	100				0.16
29	110				0.1
30	120				0.08
31	140				0.06
32	160				0.04
33	180				0.03
34	200				0.02
35	220				
36	240				
37	260				
38	280				
39	300				

$\rho_a = 2\pi a \cdot V / I$
 $= 6.28 \times a \times V / I$

113.44 出 部 尺 標 表 目 田 夕 口 部 519

Kilangala (2/2)

L1-14/17



KILANGALA

TAC	u	mV	mA	R	PE
1	1				42.2
2	2				20.5
3	3				12.3
4	4				13.6
5	5				8.3
6	6				23.7
7	8				11.6
8	10				11.6
9	12				10.6
10	14				10.5
11	16				10.5
12	18				10.1
13	20				9
14	24				8.05
15	28				7.4
16	32				7.8
17	36				7.1
18	40				6.5
19	45				6.1
20	50				5.5
21	55				5
22	60				5.4
23	65				4.8
24	70				4.8
25	76				4.6
26	82				5.1
27	90				5.1
28	100				5.8
29	110				5.4
30	120				5.1
31	140				5.1
32	160				5.5-5.7
33	180				6
34	200				6.3
35	220				
36	240				
37	260				
38	280				
39	300				

$$P_e = 2\pi \times V / I$$

$$= 6.28 \times V / I$$

WS 2

Kilolombwani (1/3)

Site Name: Kilolombwani Line No: / Date: 17,09,2000 Page: 2/2
 Village: 101
 198400
 6885 BH

H	100	140	180	200					
(R)									
10									
(P&)									
(R)									
20									
(P&)									
(R)									
30									
(P&)									
(R)									
50									
(P&)									

H									
(R)									
10									
(P&)									
(R)									
20									
(P&)									
(R)									
30									
(P&)									
(R)									
50									
(P&)									

L1-
13/17

Kilolombwani (2/3)

South ← → North
 Site Name: Kilolombwani Line No: /
 Date: 17.09.2000 Page: 1/2

H	-160	-140	-120	-100	-80	-60	-80
R1	42.789	213.444	22.722	15.376	25.430	590.992	16.570
R2	2692.5	6702.0	1426.9	2366.8	1597.0	2857.1	6036.8
R3	3.0774	12.525	2.314	6.688	1.8310	6.7552	2.1842
R4	386.5	1199.9	290.7	629.6	229.97	636.4	278.96
R5	0.2358		0.1859		0.1818		0.1327
R6	44.4		35.0		34.3		25.
R7	0.0135		0.0128		0.0154		0.0122
R8	4.239		4.0		4.9926		3.8

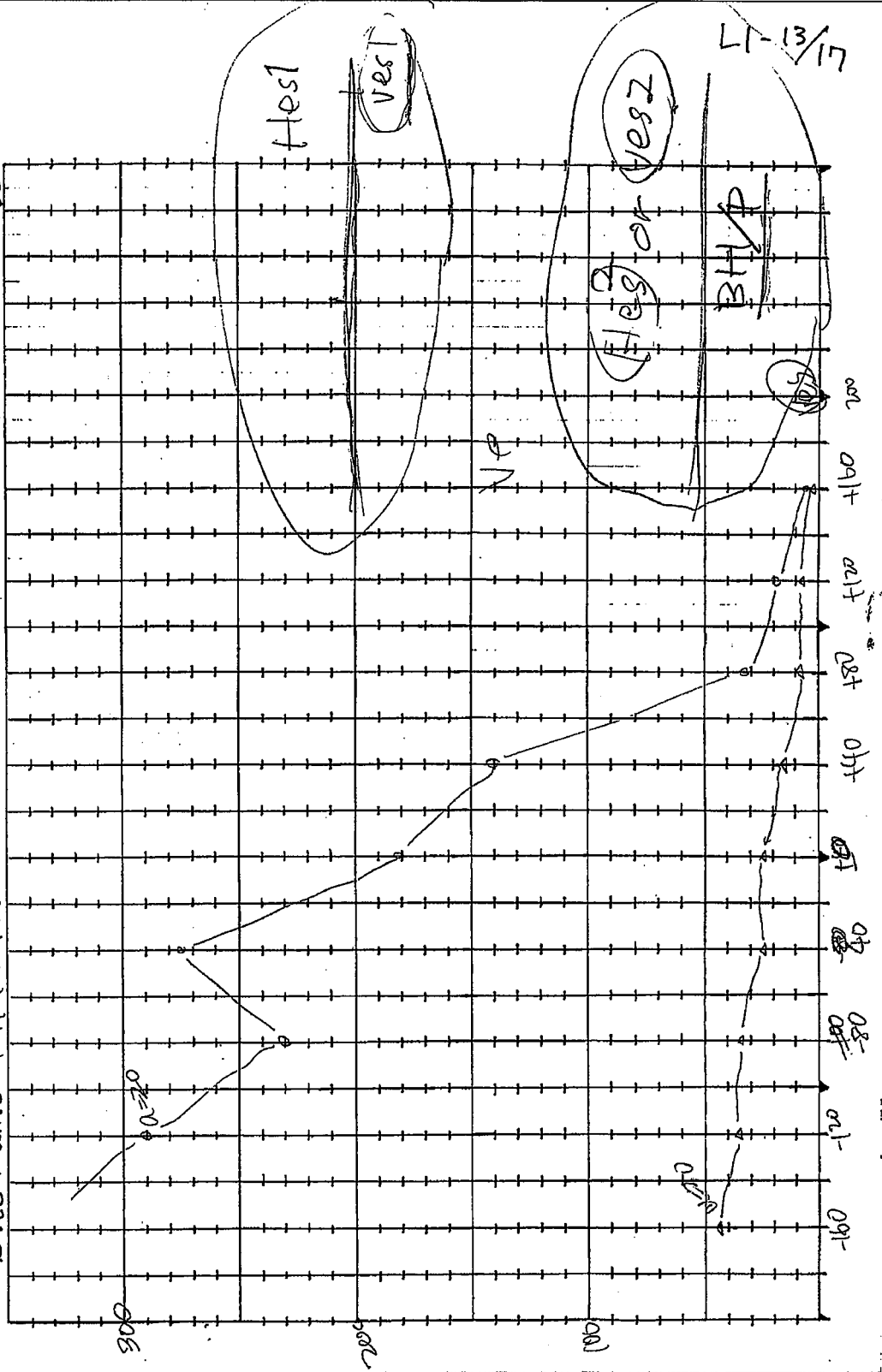
Village Centre

H	(40)	-20	0	+20	(40)	(60)	(80)	A 00
R1	54.802		20.813	46.508	10.546	51.764	1.7232	59.621
R2	172.7		1307.1	460.8	662.3	1625.4	1.08.2	309.4
R3	5.7247		1.4529	5.5891	1.1240	2.9498	0.2563	0.1004
R4	539.3		182.5	524.6	141.2	2.779.9	32.2	56.6
R5			0.1308		0.0789		0.0465	
R6			24.6		14.9		8.06	
R7			0.0109		0.0152		0.0111	
R8			3.42		4.77		3.49	

L1-
13/17

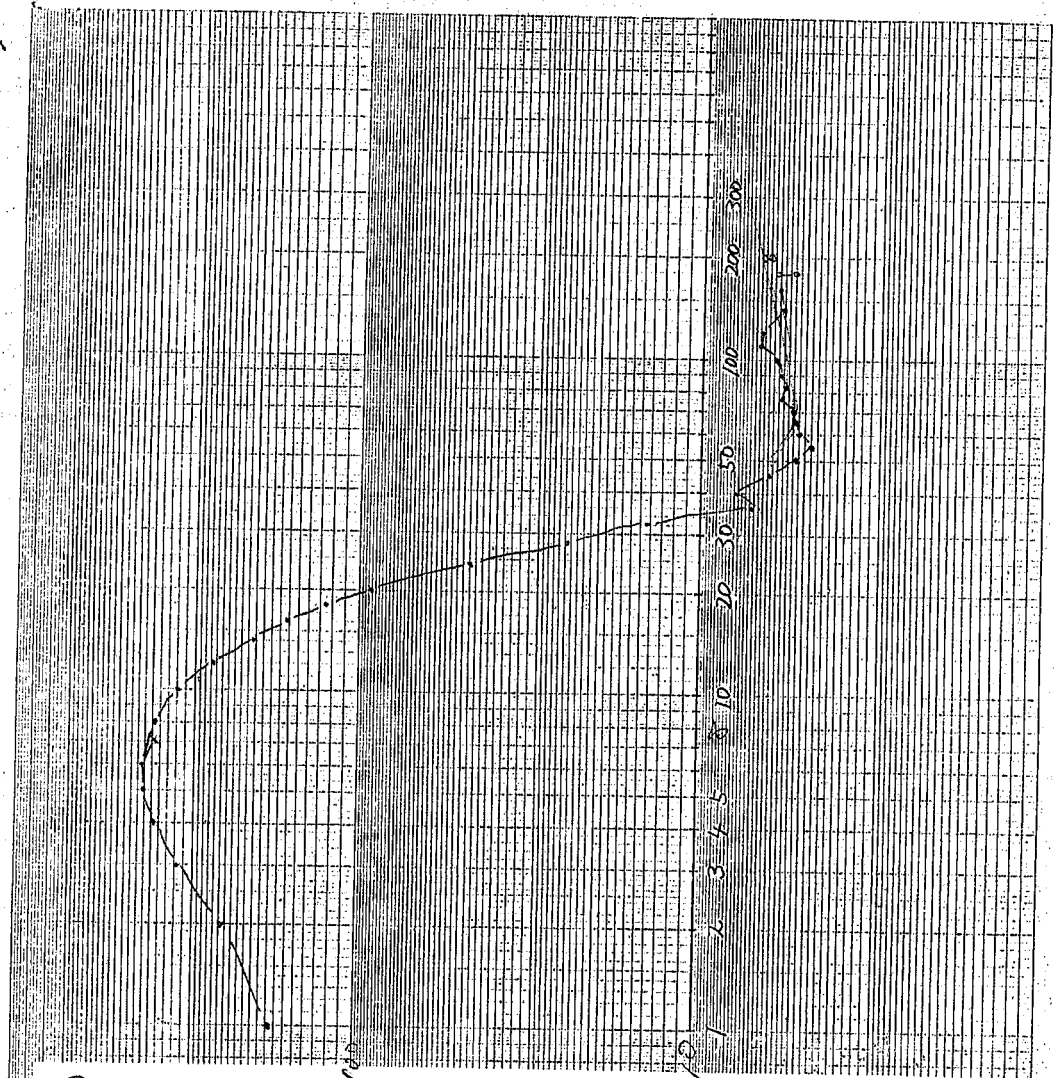
Kilolombwani (3/3)

Site Name: Kilolombwani Line No: / Date: 17.09.2000 Page: /



Mnolela (1/2)

L7-08/17



MNOLELA (ves)

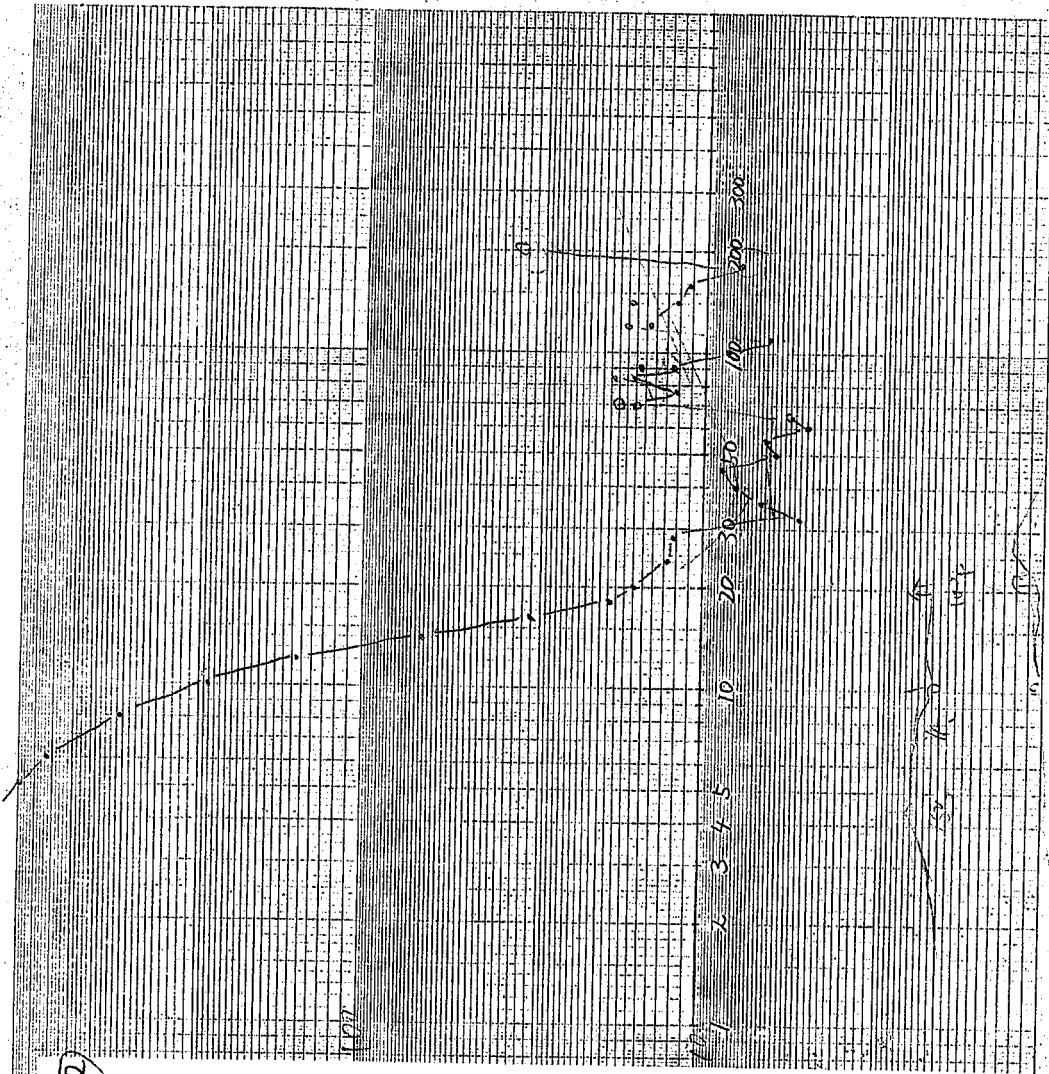
TAC	mmV	mmA	R	Ω
1	27.245			120.8
2	19.575			245.9
3	18.040			328.4
4	15.693			393.9
5	13.934			421.8
6	11.238			493.7
7	9.745			391.3
8	5.248			226
9	3.5250			266
10	2.3251			204.6
11	1.6178			161.8
12	1.0928			123.5
13	0.7393			92.2
14	0.5477			69.94
15	0.4392			24.5
16	0.0738			14.2
17	0.0375			7.1
18	0.0373			7.9
19	0.0243			6.3
20	0.0168			5.3
21	0.0139			4.8
22	0.0137			5.2
23	0.0130			5.3
24	0.0123			5.4
25	0.0122			5.9
26	0.0110			5.7
27	0.0105			5.9
28	0.0097			6.1
29	0.0088			6.8
30	0.0089			6.7
31	0.0066			5.8
32	0.0060			6.0
33	0.0057			6.1
34	0.0057			6.5
35	0.0057			6.5
36	0.0057			6.5
37	0.0057			6.5
38	0.0057			6.5
39	0.0057			6.5
300				

$\rho_a = 2 \pi a \cdot V / I$
 $= 6.28 \times 2 \times V / I$

10.7.200

Mnolela (2/2)

L1-08/17



MANDVELA (1852)

TAC	Q	RMV	MINA	R	QAT
1	1	12.4	107	132	9
2	2	10.5	15	150	4
3	3	6.2	27	108	10
4	4	10.3	64.5	190	5
5	5	21.1	108	225	6
6	6	7.1	88.6	825	1
7	8	7	968	501	4
8	10	5	500	281	7
9	12	2.09	2	153	8
10	14	0.78	51	65	2
11	16	0.51	77	51	8
12	18	0.65	1	18	7
13	20	0.12	52	15	7
14	24	0.08	36	12	6
15	28	0.06	90	12	1
16	32	0.02	58	5	2
17	36	0.03	27	6	8
18	40	0.02	19	8	0
19	45	0.03	10	6	8
20	50	0.01	98	6	2
21	55	0.01	90	6	6
22	60	0.01	06	6	0
23	65	0.01	51	5	8
24	70	0.01	57	16	1
25	76	0.01	58	12	1
26	82	0.01	34	16	1
27	90	0.02	29	12.4	15.2
28	100	0.01	36	8	5
29	110	0.01	82	6.5	6.4
30	120	0.01	79	17.1	15.4
31	140	0.01	40	15.6	12.3
32	160	0.01	13	11.7	
33	180	0.01	69	7	8
34	200	0.01	208	35	34
35	220				
36	240				
37	260				
38	280				
39	300				

$Q_{at} = 2\pi a \cdot V / I$
 $= 6.28 \times 3 \times V / I$

0.021
 0.300
 0.0727
 0.0478
 0.0151
 0.028

115-A4 田中 昭 監製 昭和 51 年 11 月 17 日