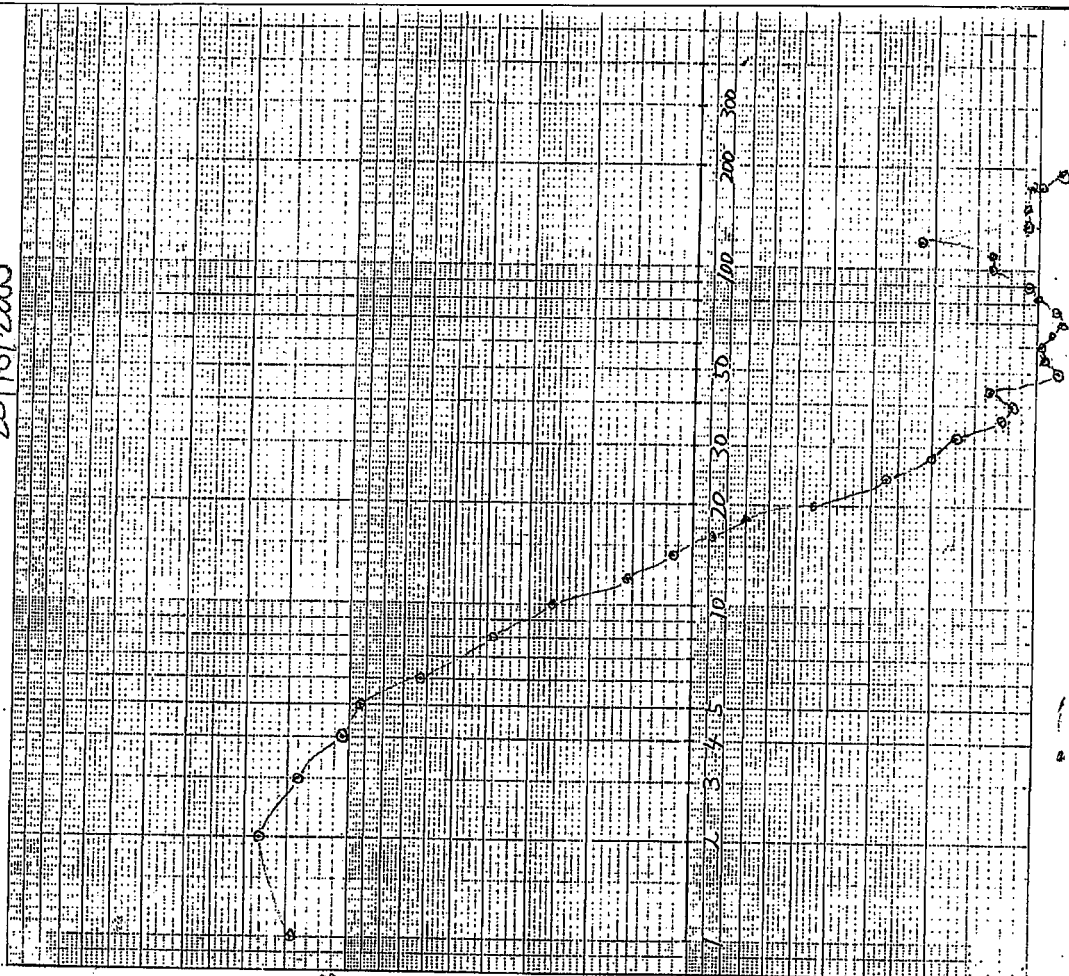


7 Electric Sounding Survey Data

Mtwara Rural

Mayambe Juu (1/3)

MAYAMBE JUU
20/10/2000

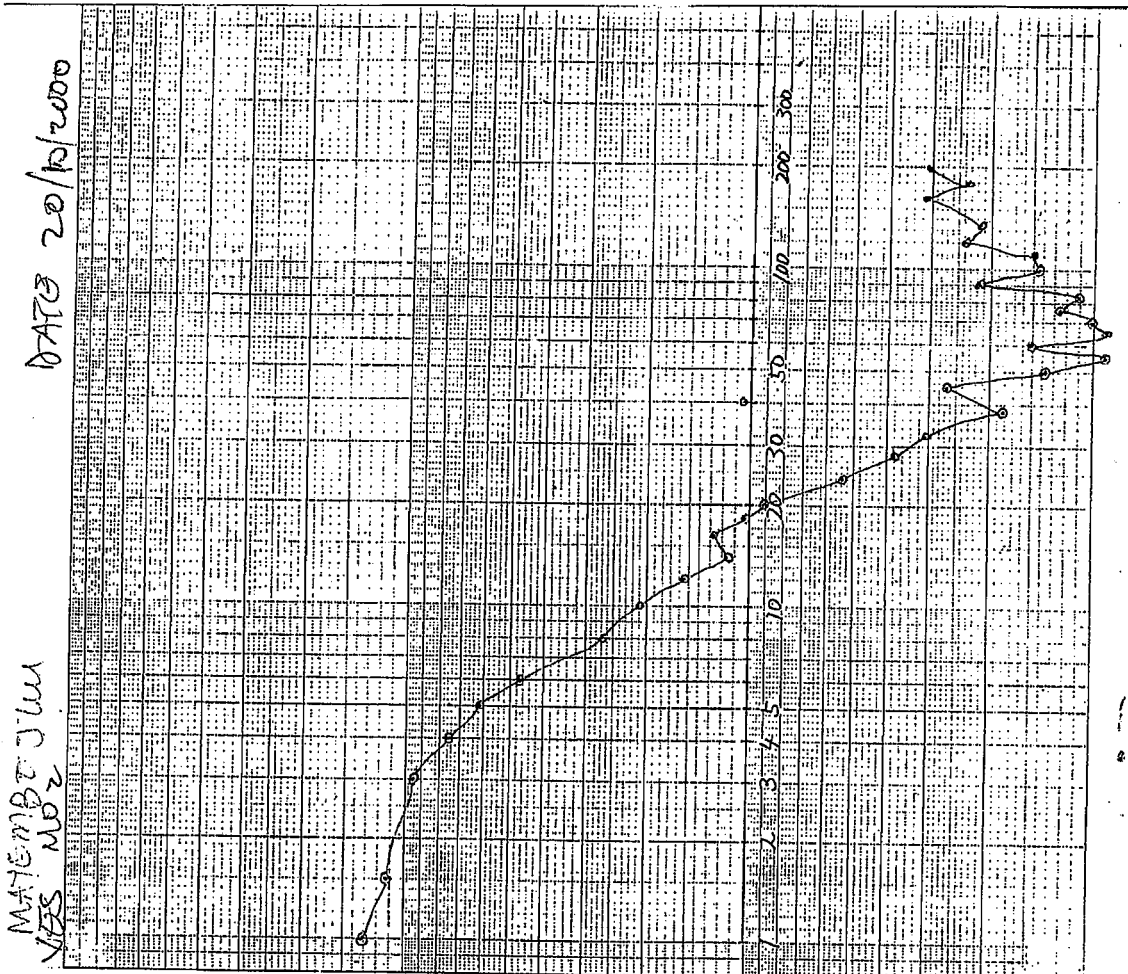


YES NO I

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

TAG	a, mV	R, mA	ρ_a
1		736.51	1085.28
2		140.15	1816.29
3		740.83	1402.61
4		32.720	1058.93
5		240.676	920.29
6		17.595	632.52
7		6.320	397.01
8		3.8650	253.24
9		1.7744	156.15
10		1.1231	112.31
11		0.7928	89.87
12		0.5678	71.57
13		0.3020	45.66
14		0.1553	27.33
15		0.1012	20.44
16		0.0730	17.40
17		0.0504	12.65
18		0.0422	11.89
19		0.0442	13.89
20		0.0234	8.07
21		0.0244	9.20
22		0.0238	9.71
23		0.0202	9.11
24		0.0175	8.35
25		0.0169	8.70
26		0.0183	10.45
27		0.0172	10.80
28		0.0201	13.89
29		0.0180	13.87
30		0.0255	22.41
31		0.0188	10.80
32		0.0095	10.74
33		0.0067	8.44
34			
35			
36			
37			
38			
39			
300			

Mayambe Juu (2/3)



$\rho_a = 2\pi a \cdot V / I = 628 \times a \times V / I$

TAG	a	mV	mA	R	ρ_a
1	1			20819	1202.4
2	2			97.96	1170.04
3	3			50.481	919.016
4	4			30.100	755.51
5	5			19.200	602.88
6	6			17.521	472.04
7	8			51478	273.03
8	10			3.3757	211.92
9	12			2.0788	156.740
10	14			1.3522	118.99
11	16			1.02823	128.23
12	18			0.9204	104.01
13	20			0.9751	91.36
14	24			0.3594	57.27
15	28			0.2793	38.60
16	32			0.1541	30.97
17	36			0.0821	18.78
18	40			0.4102	105.60
19	45			0.0955	32.03
20	50			0.0436	13.69
21	55			0.0273	9.079
22	60			0.0399	15.04
23	65			0.0228	9.30
24	70			0.0230	10.12
25	76			0.0264	12.83
26	82			0.0215	11.07
27	90			0.0397	22.15
28	100			0.0230	10.140
29	110			0.0218	15.06
30	120			0.0329	24.51
31	140			0.0242	11.771
32	160			0.0218	11.80
33	180			0.0211	12.320
34	200			0.0253	21.93
35	220				
36	240				
37	260				
38	280				
39	300				

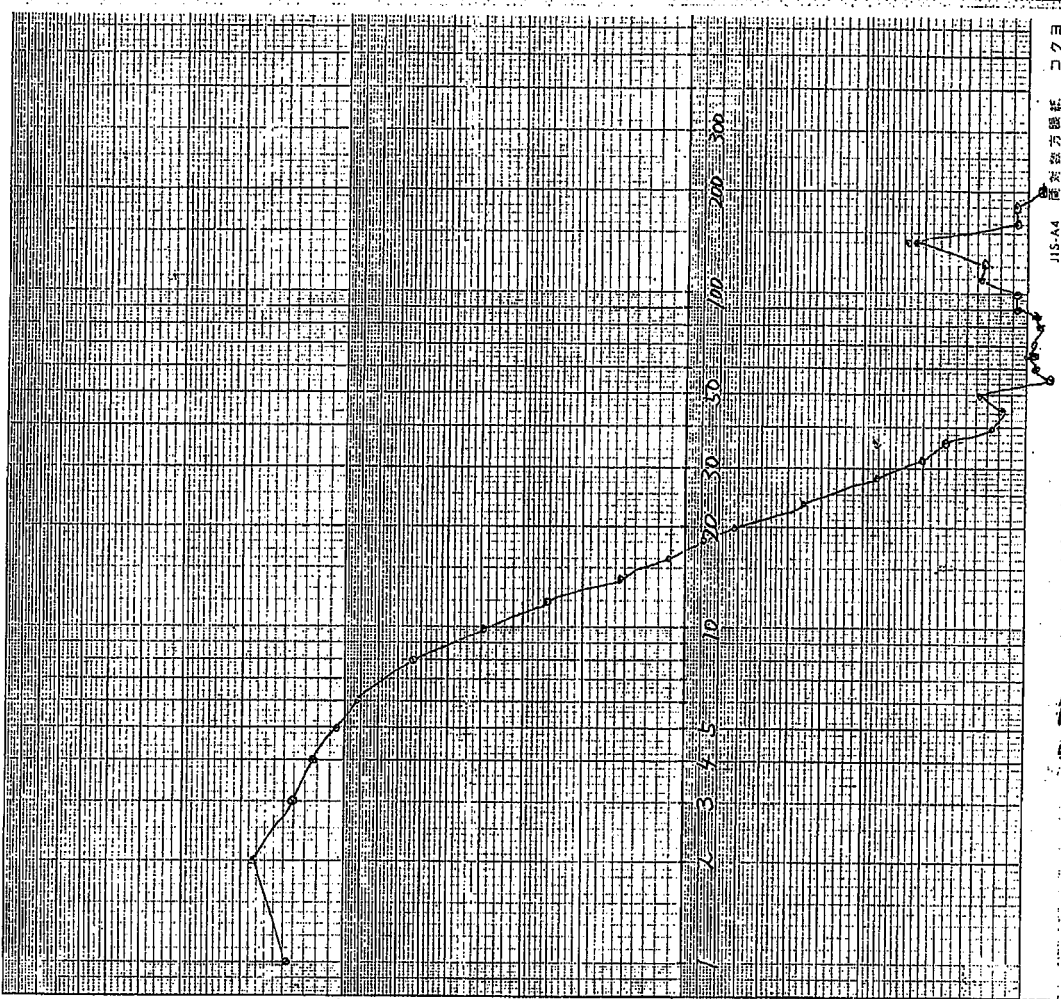
Mayambe Juu (3/3)

MAYAMBE JUU VILLAGE
DATE 28/10/2000

VES No 1.

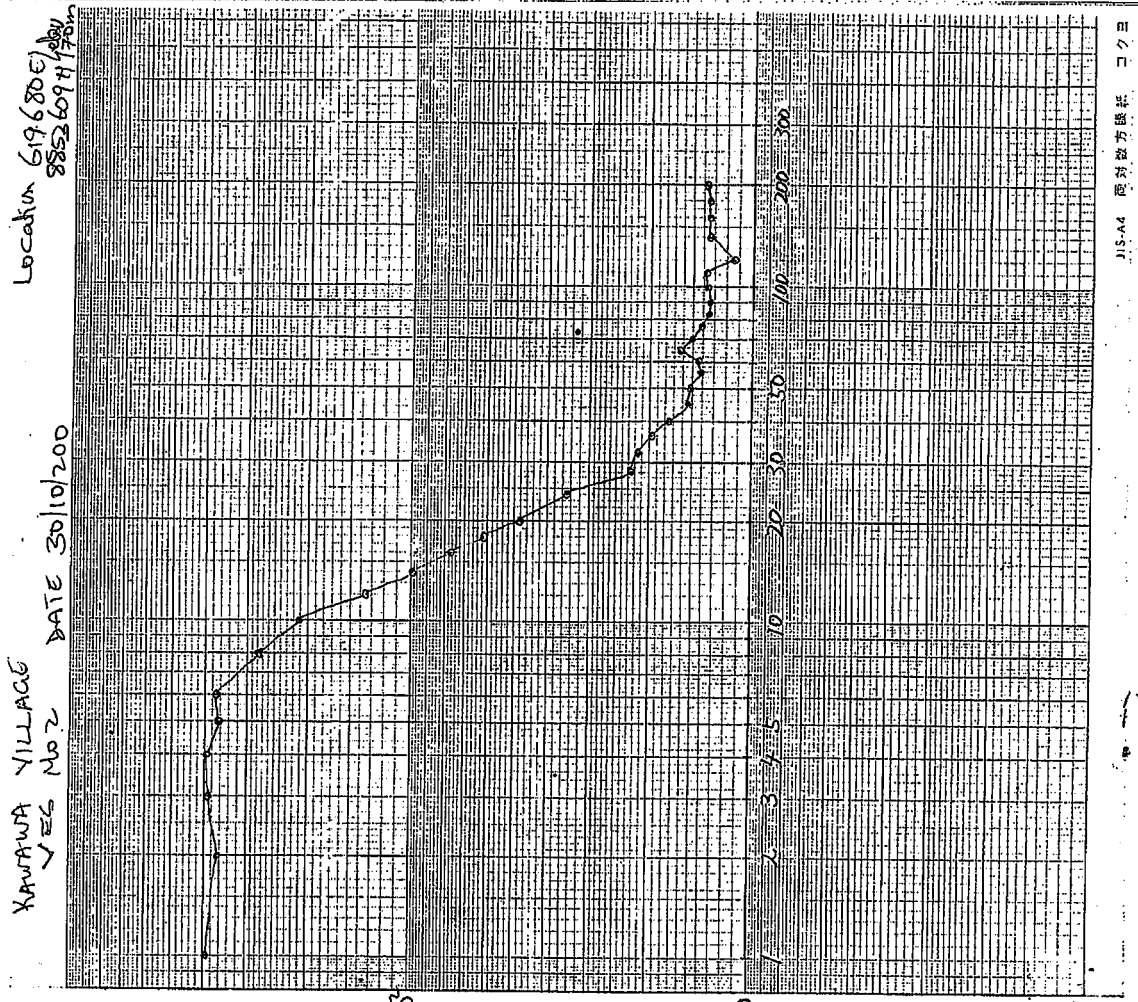
$$\rho_a = 2\pi a \rho_a V / I = 0.28 \times a \times V / I$$

TAG	a	mV	mA	R	ρ_a
1	1			226.57	14.85
2	2			144.15	18.67
3	3			74.823	14.02
4	4			44.441	12.40
5	5			32.224	10.58
6	6			24.676	9.30
7	8			17.575	6.32
8	10			6.3224	3.97
9	12			3.3574	2.53
10	14			1.7744	1.56
11	16			1.1231	1.12
12	18			0.7948	0.89
13	20			0.5678	0.71
14	24			0.3024	0.45
15	28			0.1553	0.27
16	32			0.1017	0.20
17	36			0.0720	0.17
18	40			0.0504	0.12
19	45			0.0420	0.11
20	50			0.0442	0.13
21	55			0.0234	0.07
22	60			0.0244	0.07
23	65			0.0238	0.07
24	70			0.0207	0.06
25	76			0.0175	0.05
26	82			0.0169	0.05
27	90			0.0185	0.05
28	100			0.0172	0.05
29	110			0.0201	0.05
30	120			0.0190	0.05
31	140			0.0255	0.05
32	160			0.0108	0.05
33	180			0.0095	0.05
34	200			0.0067	0.05
35	220				
36	240				
37	260				
38	280				
39	300				



JIS-A4 標準製方眼紙 コクヨ

Kawawa (1/2)

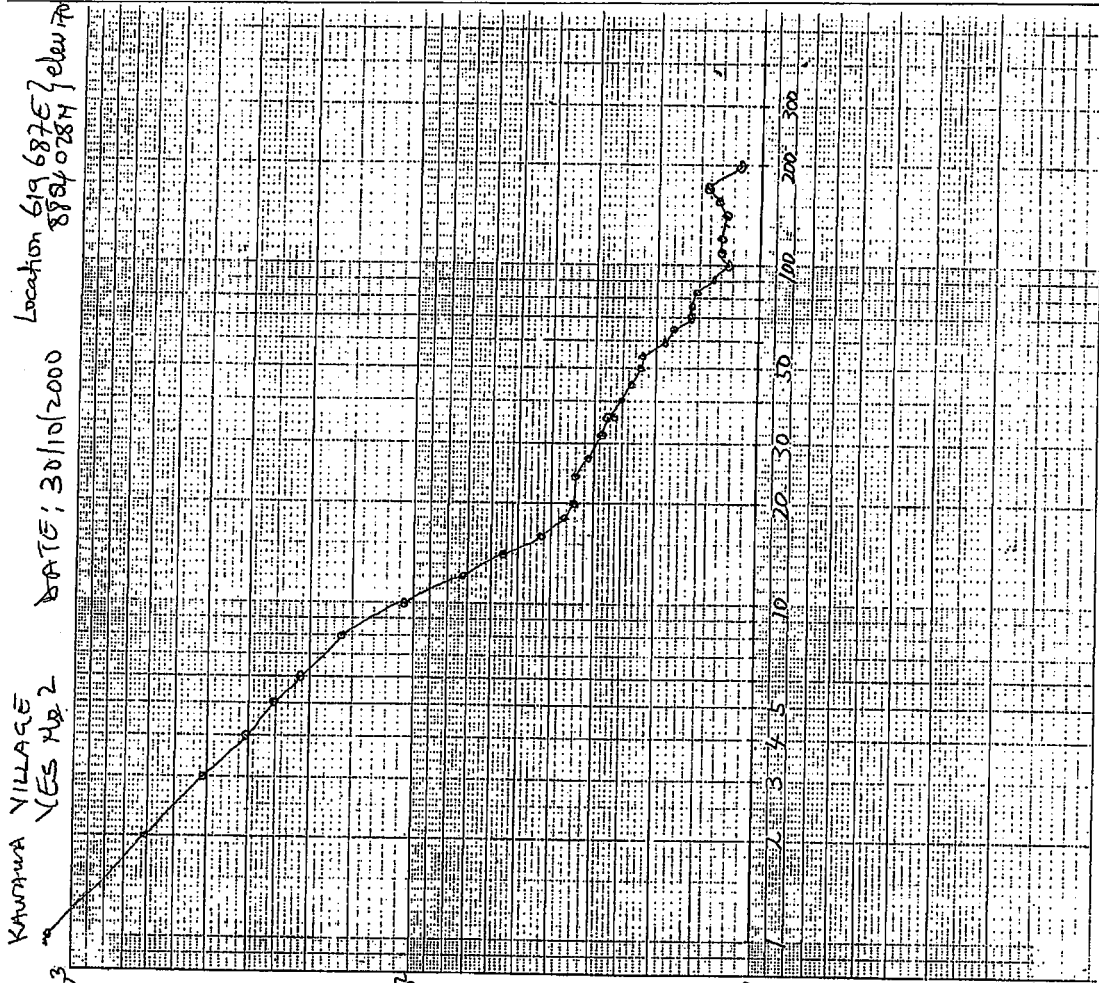


JIS-A4 両対数方眼紙 コクヨ

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

TAG	a	mV	mA	R	ρa
1	1			62.192	390.57
2	2			29.172	357.57
3	3			70.602	387.32
4	4			15.611	391.80
5	5			11.690	367.07
6	6			9.8090	377.31
7	8			5.5008	276.69
8	10			3.3573	210.84
9	12			1.7945	135.31
10	14			1.1104	97.72
11	16			0.7375	74.45
12	18			0.5296	62.10
13	20			0.3848	48.48
14	24			0.2307	30.84
15	28			0.1287	22.56
16	32			0.1066	21.43
17	36			0.0883	19.96
18	40			0.0716	17.97
19	45			0.0545	15.42
20	50			0.0478	15.01
21	55			0.0410	14.15
22	60			0.0388	14.63
23	65			0.0401	16.36
24	70			0.0341	15.05
25	76			0.0299	14.76
26	82			6.0762	13.49
27	90			0.0238	13.45
28	100			0.0219	13.75
29	110			0.0199	13.25
30	120			0.0150	11.31
31	140			0.0153	13.43
32	160			0.0132	13.30
33	180			0.0119	13.45
34	200			0.0109	13.73
35	220				
36	240				
37	260				
38	280				
39	300				

Kawawa (2/2)

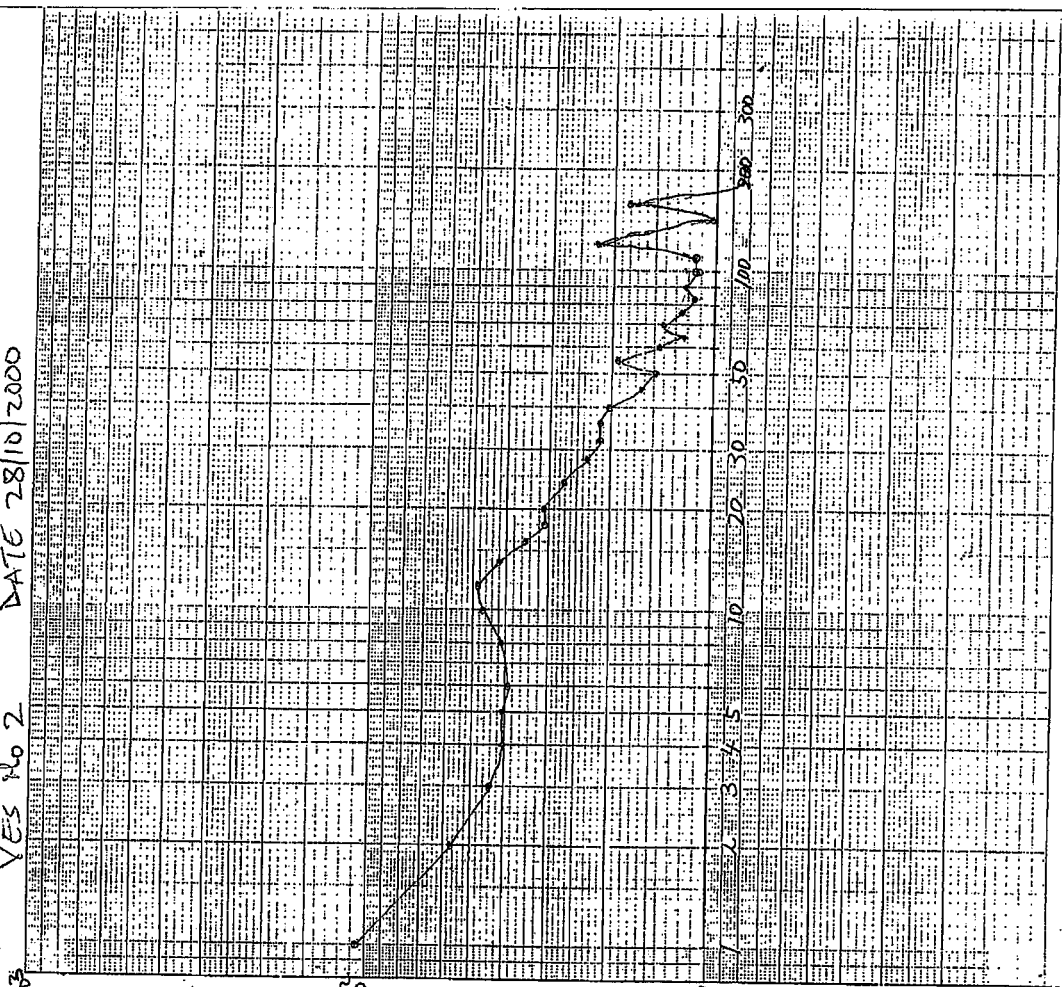


$\rho_a = 2\pi a \cdot V / I = 6.28 \times a \times V / I$

TAG	a	mV	mA	R	ρ_a
1	1			180.24	1170.53
2	2			47.800	602.23
3	3			21.818	410.18
4	4			12.119	304.19
5	5			6.243	258.23
6	6			5.6884	210.45
7	8			3.2807	162.50
8	10			1.7454	109.61
9	12			0.9902	70.66
10	14			0.6392	56.25
11	16			0.4302	43.02
12	18			0.3276	37.02
13	20			0.2714	31.20
14	24			0.2256	34.07
15	28			0.1783	31.38
16	32			0.1433	28.80
17	36			0.1219	27.53
18	40			0.1013	25.43
19	45			0.0840	23.77
20	50			0.0701	22.01
21	55			0.0631	21.77
22	60			0.0495	18.66
23	65			0.0439	17.91
24	70			0.0358	15.75
25	76			0.0333	15.88
26	82			0.0296	15.24
27	90			0.0241	13.67
28	100			0.0201	12.62
29	110			0.0189	13.06
30	120			0.0174	12.12
31	140			0.0140	12.31
32	160			0.0124	13.40
33	180			0.0128	14.46
34	200			0.0092	11.59
35	220				
36	240				
37	260				
38	280				
39	300				

Mpondomo (1/2)

Mpondomo Village
VES No 2
DATE 28/10/2000



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

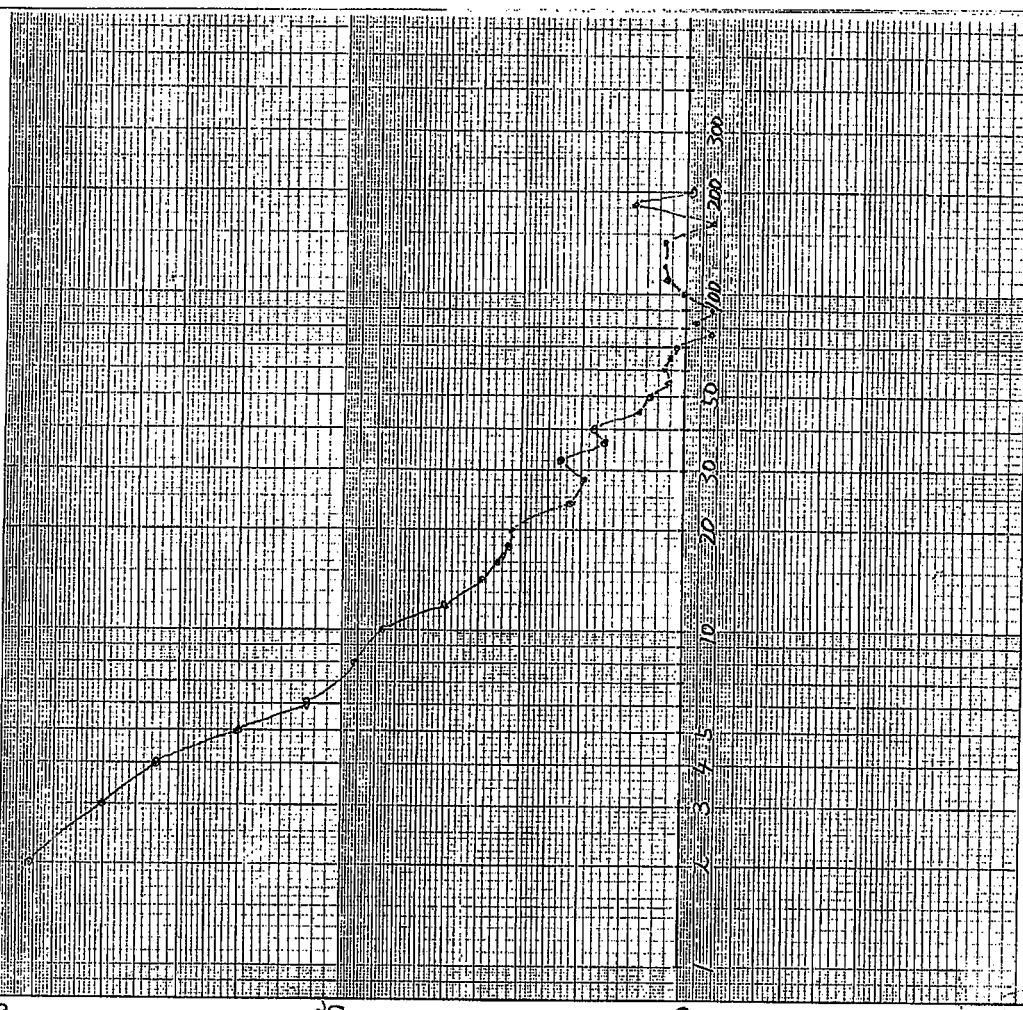
TAG	a	mV	mA	R	ρ_a
1	1			16.946	106.42
2	2			4.8615	57.42
3	3			7.2571	44.31
4	4			1.6433	41.25
5	5			1.3024	40.90
6	6			1.0590	39.92
7	8			0.8205	41.77
8	10			0.7606	47.77
9	12			0.6470	48.78
10	14			0.4760	41.90
11	16			0.3576	35.26
12	18			0.7745	31.19
13	20			0.2498	31.47
14	24			0.1807	27.79
15	28			0.1343	23.64
16	32			0.1070	21.51
17	36			0.0973	21.99
18	40			0.0803	20.16
19	45			0.0579	16.39
20	50			0.0476	14.95
21	55			0.0562	19.39
22	60			0.0390	14.70
23	65			0.0300	12.24
24	70			0.0322	14.17
25	76			0.0260	12.40
26	82			0.0227	11.69
27	90			0.0220	12.42
28	100			0.0182	11.42
29	110			0.0165	11.40
30	120			0.0203	22.85
31	140			0.0115	10.11
32	160			0.0184	18.40
33	180			0.0075	8.48
34	200			0.0066	8.32
35	220				
36	240				
37	260				
38	280				
39	300				

Mpondomo (2/2)

Mpondomo VILLAGE VEC No 1 DATE: 28/10/2000

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

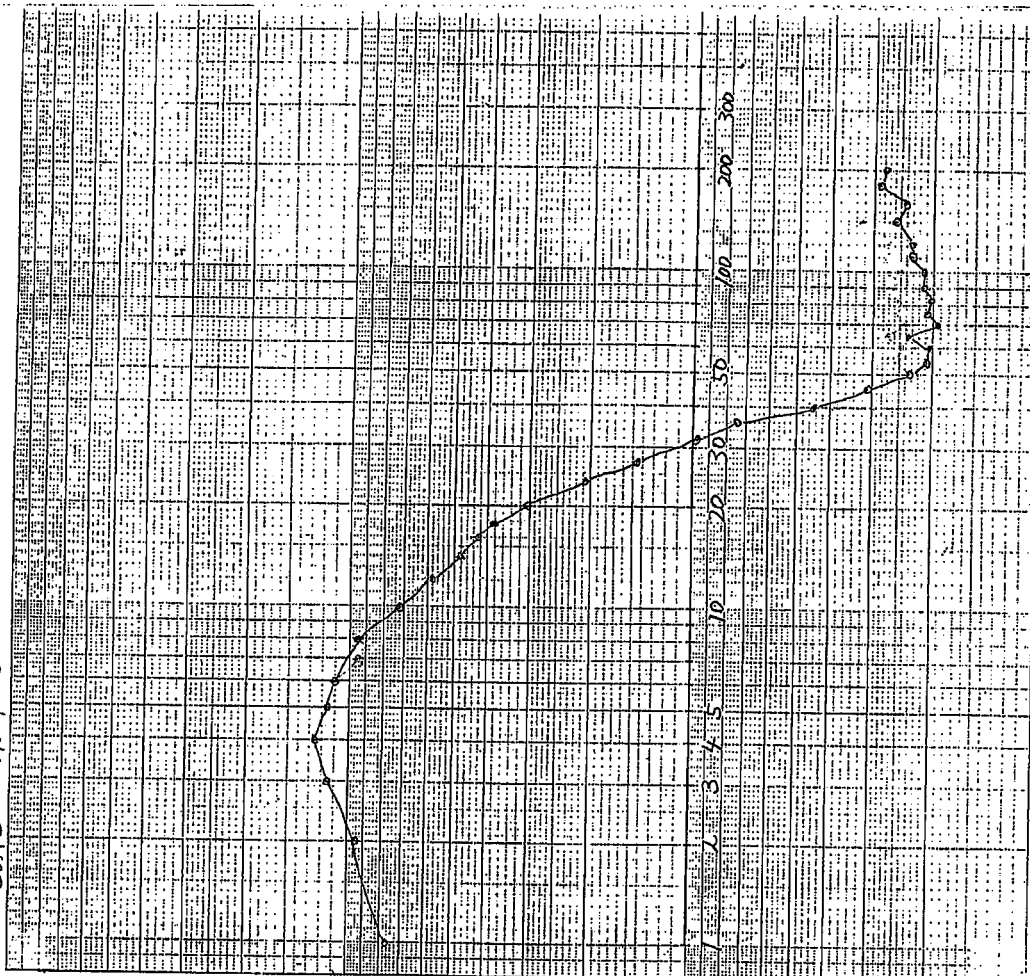
TAG	a	mV	mA	R	ρ_a
1	1			186.86	113.148
2	2			65.22	82.92
3	3			26.766	52.20
4	4			13.875	348.78
5	5			8.4495	70.57
6	6			3.4321	129.58
7	8			1.8358	90.30
8	10			1.2156	76.30
9	12			0.6799	51.26
10	14			0.4507	29.66
11	16			0.3549	35.49
12	18			0.2979	33.66
13	20			0.2600	32.76
14	24			0.1417	21.40
15	28			0.1124	19.87
16	32			0.1147	23.05
17	36			0.0761	12.20
18	40			0.0740	18.57
19	45			0.0479	13.80
20	50			0.0403	17.65
21	55			0.0325	11.21
22	60			0.0296	11.59
23	65			0.0275	11.22
24	70			0.0242	10.65
25	76			0.0177	8.44
26	82			0.0180	9.27
27	90			0.0149	8.42
28	100			0.0162	10.17
29	110			0.0163	11.26
30	120			0.0156	11.76
31	140			0.0135	11.87
32	160			0.0084	8.40
33	180			0.0128	14.46
34	200			0.029	6.95
35	220				
36	240				
37	260				
38	280				
39	300				



JIS-A4 西友製方眼紙 コクヨ

Maranje (1/2)

MARANJE VILAGE, VES No 2
DATE 27/10/2000



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

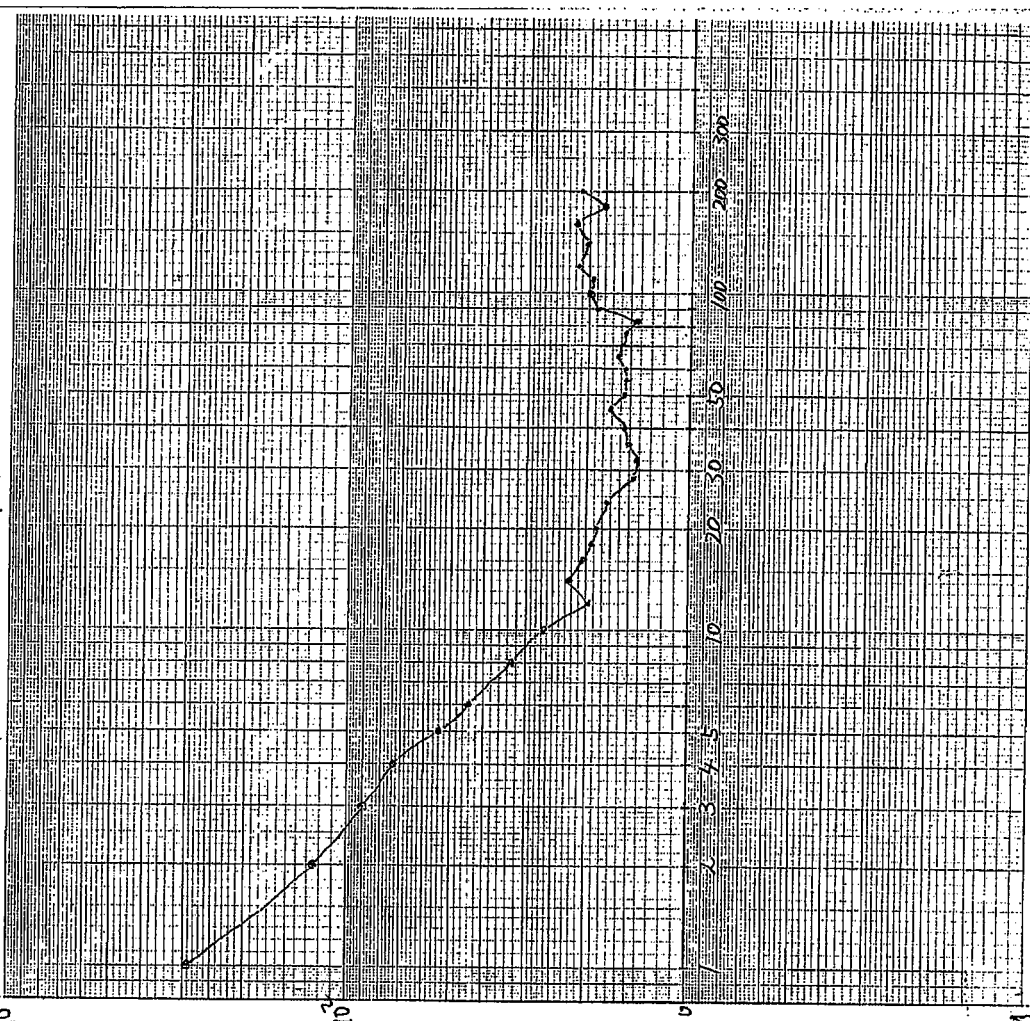
TAG	a	mV	mA	R	ρ_a
1	1			122.80	771.18
2	2			75.925	966.66
3	3			62.911	1182.73
4	4			50.875	1276.96
5	5			37.623	1181.36
6	6			29.212	1101.29
7	8			18.746	902.93
8	10			11.455	719.37
9	12			7.948	591.5
10	14			5.4804	482.28
11	16			4.3543	425.43
12	18			3.3915	383.24
13	20			2.4514	308.88
14	24			1.3873	209.48
15	28			0.8269	145.53
16	32			0.4932	99.94
17	36			0.7970	62.12
18	40			0.1801	45.21
19	45			0.1099	31.10
20	50			0.0759	23.77
21	55			0.0605	20.87
22	60			0.0538	20.28
23	65			0.0590	24.07
24	70			0.0442	19.67
25	76			0.0447	21.32
26	82			0.0407	20.96
27	90			0.0385	21.64
28	100			0.0341	21.41
29	110			0.0339	23.42
30	120			0.0306	23.07
31	140			0.0304	26.72
32	160			0.0202	24.70
33	180			0.0259	29.27
34	200			0.0223	28.10
35	220				
36	240				
37	260				
38	280				
39	300				

Maranje (2/2)

MARANJE VILLAGE
VES No 1
DATE 27/10/2000
Location

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

TAG	a	mV	mA	R	ρ_a
1	1			47.050	295.47
2	2			10.003	126.04
3	3			4.7916	90.23
4	4			2.9577	70.24
5	5			1.7462	54.83
6	6			1.1871	44.17
7	8			0.6585	33.12
8	10			0.4291	26.95
9	12			0.2631	19.84
10	14			0.2587	22.77
11	16			0.2055	20.53
12	18			0.1722	19.46
13	20			0.1492	18.80
14	24			0.1159	17.50
15	28			0.0834	14.68
16	32			0.0705	14.17
17	36			0.0676	15.28
18	40			0.0621	15.59
19	45			0.0609	17.23
20	50			0.0505	15.86
21	55			0.0448	15.46
22	60			0.0418	15.78
23	65			0.0405	16.52
24	70			0.0320	16.28
25	76			0.0332	15.84
26	82			0.0285	14.68
27	90			0.0337	19.04
28	100			0.0314	20.03
29	110			0.0289	19.97
30	120			0.0289	21.79
31	140			0.0231	20.30
32	160			0.0221	22.10
33	180			0.0160	18.08
34	200			0.0168	21.17
35	220				
36	240				
37	260				
38	280				
39	300				



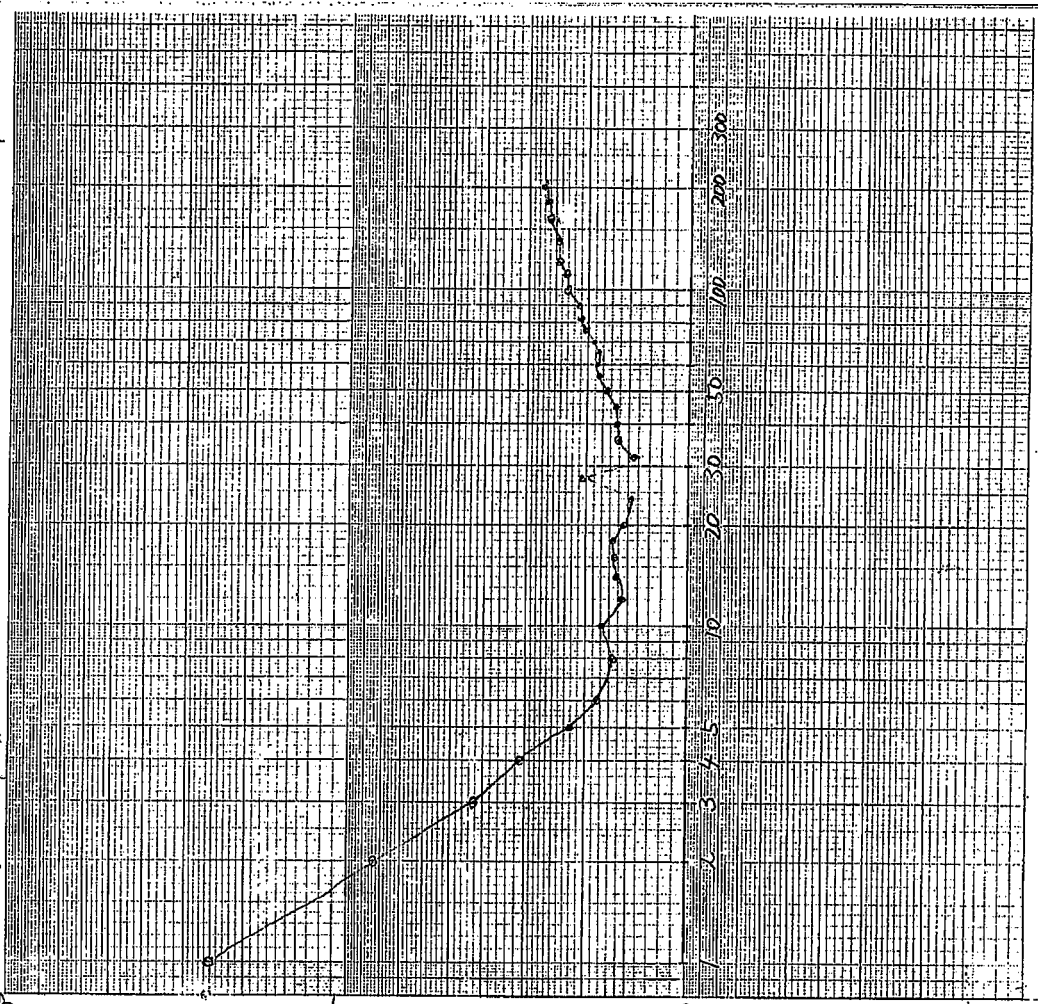
JIS-A4 西宮製券紙 コク

Mtiniko (1/2)

MTIMIKO VILLAGE VE No. 1 Location 60K 3575 Elev. 139M
 DATE 25/10/2000 8830 775H

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

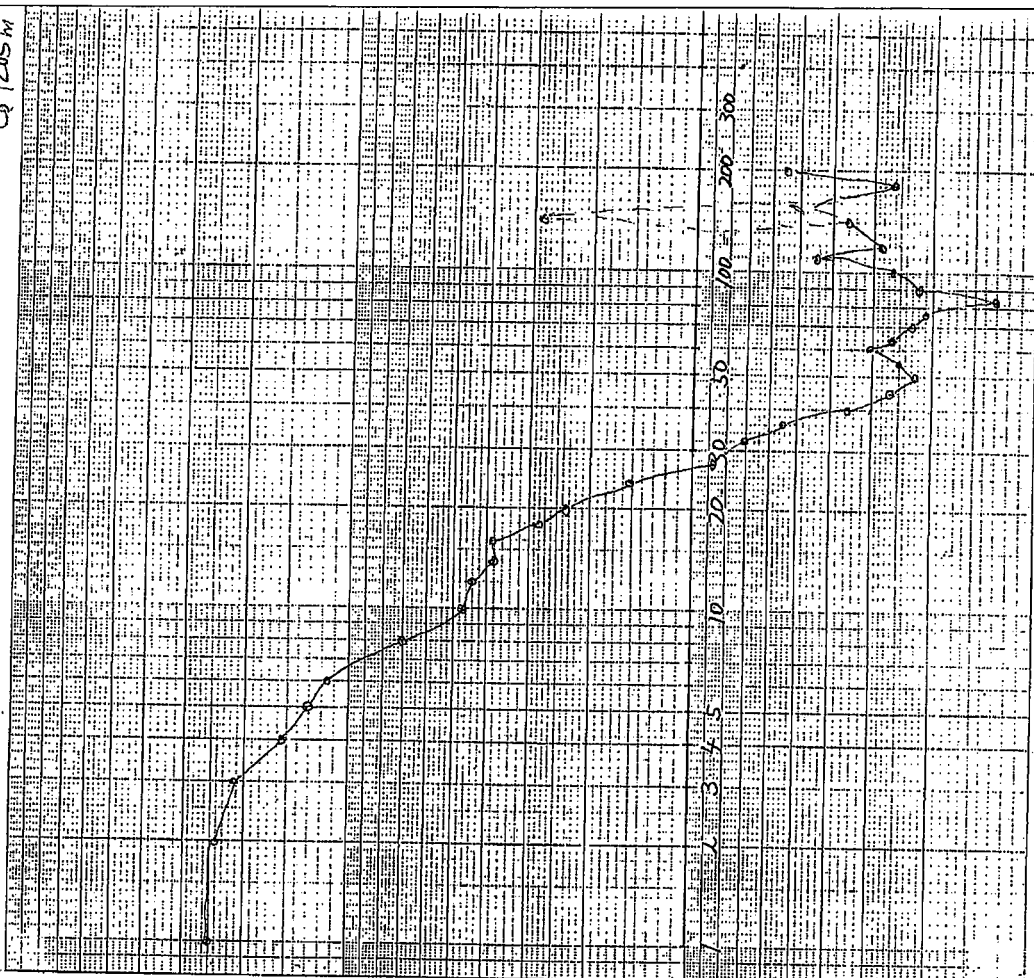
TAG	a	mV	mA	R	ρ_a
1	1			40.478	754.22
2	2			6.6207	83.42
3	3			2.2710	42.69
4	4			1.2210	51.30
5	5			0.7097	22.28
6	6			0.5002	18.86
7	8			0.3345	16.84
8	10			0.2865	18.00
9	12			0.2105	15.82
10	14			0.1837	16.12
11	16			0.1619	16.49
12	18			0.1468	16.59
13	20			0.1239	15.61
14	24			0.0934	14.71
15	28			0.1189	20.93
16	32			0.0760	14.29
17	36			0.0711	16.02
18	40			0.0628	16.26
19	45			0.0587	18.44
20	50			0.0557	17.49
21	55			0.0537	18.53
22	60			0.0499	18.81
23	65			0.0462	18.85
24	70			0.0439	19.32
25	76			0.0425	20.22
26	82			0.0412	21.22
27	90			0.0380	21.47
28	100			0.0367	23.05
29	110			0.0353	23.36
30	120			0.0326	24.58
31	140			0.0281	24.70
32	160			0.0260	26.00
33	180			0.0222	26.78
34	200			0.0218	27.42
35	220				
36	240				
37	260				
38	280				
39	300				



JIS-A4 両対数方眼紙 コクヨ

Mtiniko (2/2)

MTIMIKO VILLAGO YES MEZ
 DATE 25/10/2000
 Location 604 400 F
 8829 549 N
 7205 W



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

TAG	a	mV	mA	R	ρ_a
1	1			403.94	2536.70
2	2			191.42	2411.89
3	3			114.24	2147.71
4	4			62.413	1586.52
5	5			42.787	1343.51
6	6			30.522	1150.82
7	8			13.993	703.85
8	10			7.863	463.86
9	12			5.8681	442.45
10	14			4.3620	381.30
11	16			3.4350	285.50
12	18			2.5217	284.95
13	20			1.8944	238.78
14	24			1.0208	154.14
15	28			0.5062	89.09
16	32			0.3550	71.36
17	36			0.2562	58.01
18	40			0.1396	35.04
19	45			0.0939	26.51
20	50			0.0724	22.73
21	55			0.0721	25.15
22	60			0.0832	31.37
23	65			0.0649	26.48
24	70			0.0529	23.72
25	76			0.0449	21.42
26	82			0.0256	13.18
27	90			0.0292	22.15
28	100			0.0432	27.13
29	110			0.0652	45.05
30	120			0.0387	29.18
31	140			0.0425	32.26
32	160			0.2907	290.70
33	180			0.0235	76.56
34	200			0.0524	66.02
35	220				
36	240				
37	260				
38	280				
39	300				

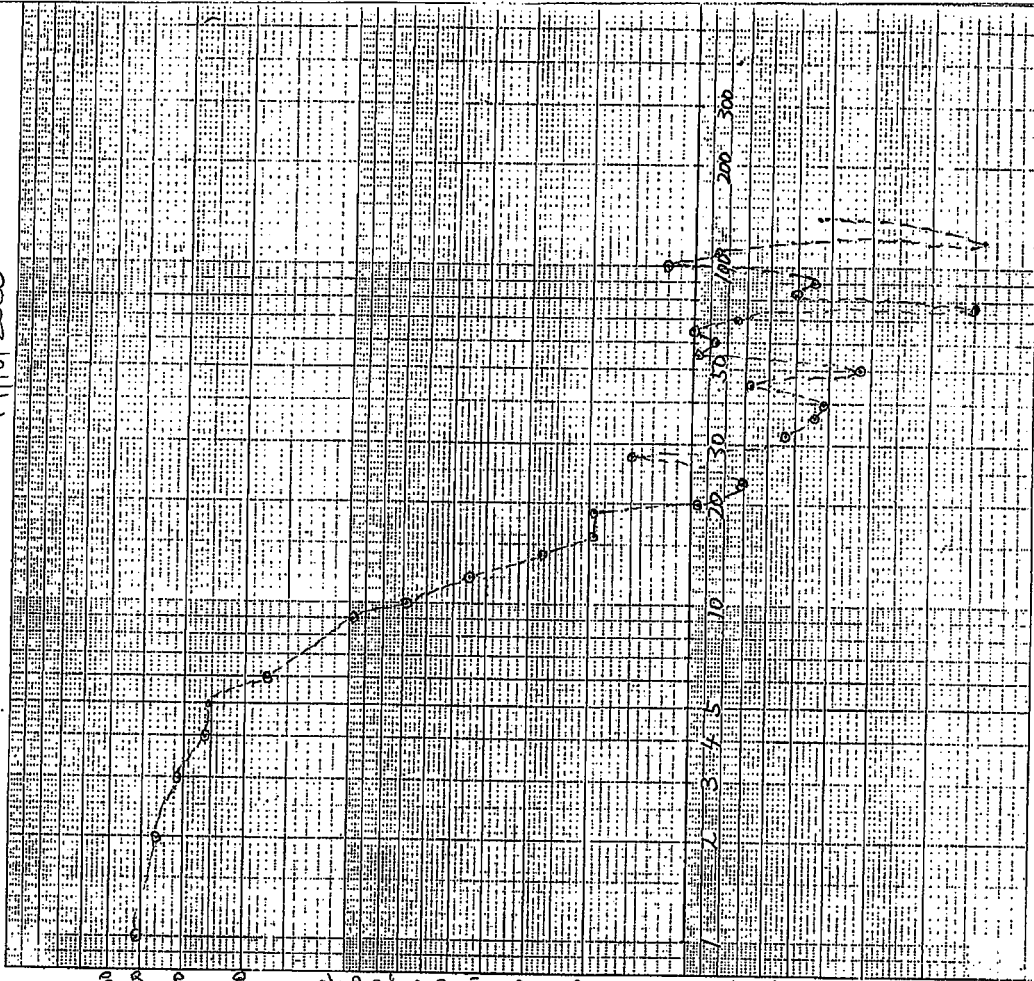
Msangamkuu (1/2)

MSANGAMKUU (NAMELESS)
NEAR THE TANK
19/10/2000

YES No 2

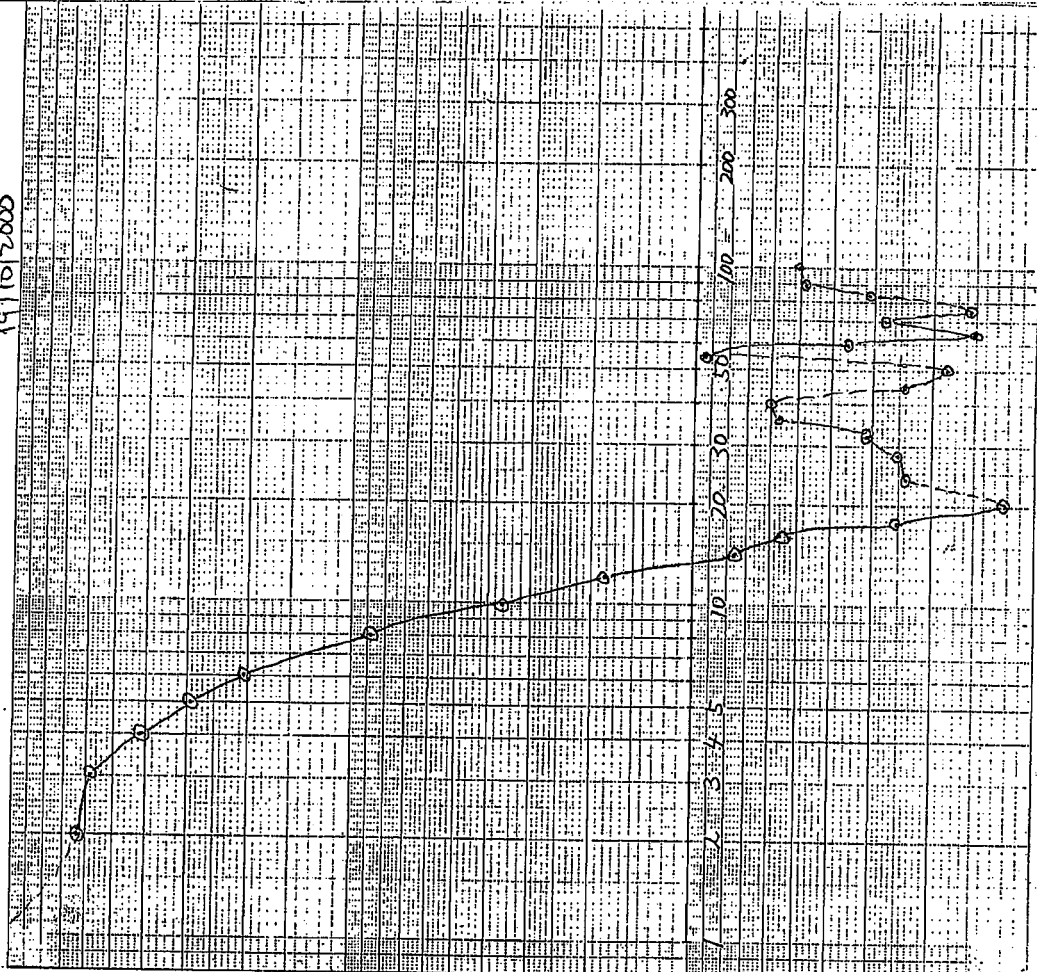
$$\rho_a = 2\pi a \cdot V / I = 6.28 \times a \times V / I$$

TAG	a	mV	mA	R	ρ_a
1	1	66.578	148.11		
2	2	28.644	360.98		
3	3	16.604	312.16		
4	4	10.360	260.80		
5	5	8.0032	255.30		
6	6	4.5089	171.16		
7	8	1.9392	97.50		
8	10	1.1072	64.53		
9	12	0.6028	45.45		
10	14	0.3084	27.14		
11	16	0.1959	19.59		
12	18	0.1757	19.79		
13	20	0.10792	9.74		
14	24	0.0771	7.11		
15	28	0.0855	15.05		
16	32	0.0268	5.39		
17	36	0.0176	4.43		
18	40	0.0165	4.14		
19	45	0.0245	6.93		
20	50	0.0103	3.23		
21	55	0.0288	9.96		
22	60	0.0232	8.75		
23	65	0.0200	10.00		
24	70	0.0170	7.48		
25	76	0.0032	1.53		
26	82	0.0100	5.15		
27	90	0.0071	4.46		
28	100	0.0177	12.23		
29	110	0.0115	8.67		
30	120	0.0016	1.41		
31	140	0.0043	4.30		
32	160				
33	180				
34	200				
35	220				
36	240				
37	260				
38	280				
39	300				



Msangamkuu (2/2)

VES 100 I
MSANGAMKUU
19/10/2000



$$\rho_a = 2\pi a \cdot V / I = 628 \times a \times V / I$$

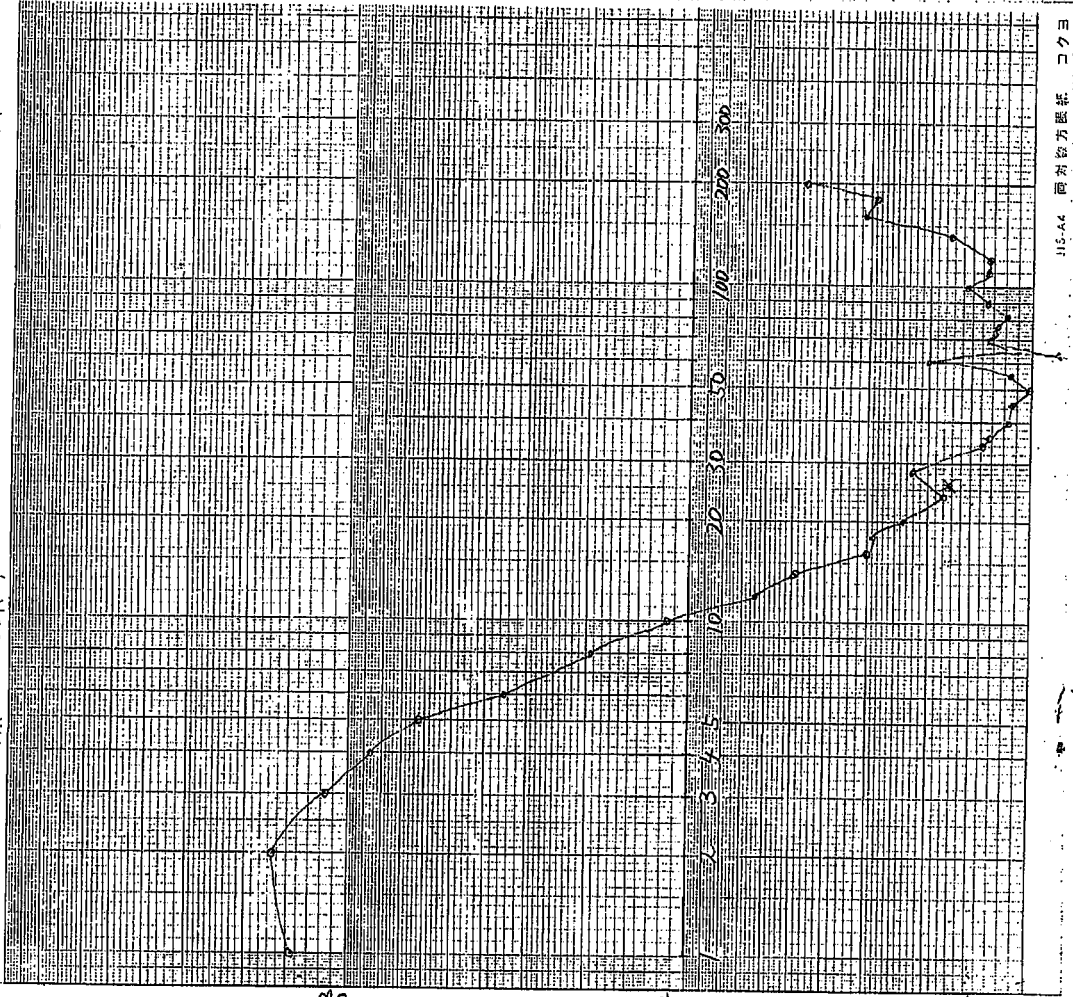
TAG	a	mV	mA	R	ρ_a
1	1			16.34	1038.34
2	2			44.743	62676
3	3			31.894	599.61
4	4			16.324	413.39
5	5			9.4454	298.16
6	6			5.4022	203.85
7	8			1.7502	98.04
8	10			0.5790	36.36
9	12			0.2419	18.24
10	14			0.0801	7.58
11	16			0.0566	5.66
12	18			0.0277	7.57
13	20			0.0095	1.20
14	24			0.0159	2.40
15	28			0.0145	2.55
16	32			0.0152	3.18
17	36			0.0236	5.79
18	40			0.0239	6.00
19	45			0.0086	2.43
20	50			0.0060	1.88
21	55			0.0265	9.14
22	60			0.0097	3.66
23	65			0.0038	1.55
24	70			0.0080	2.64
25	76			0.0033	1.57
26	82			0.0061	3.14
27	90			0.0087	4.92
28	100			0.0080	5.02
29	110				
30	120				
31	140				
32	160				
33	180				
34	200				
35	220				
36	240				
37	260				
38	280				
39	300				

Nanguruwe (1/2)

Location 613 444 (elev. 178m)
8839 8847

VILLAGE, VES 461
DATE: 26/10/2000

NANGURUWE



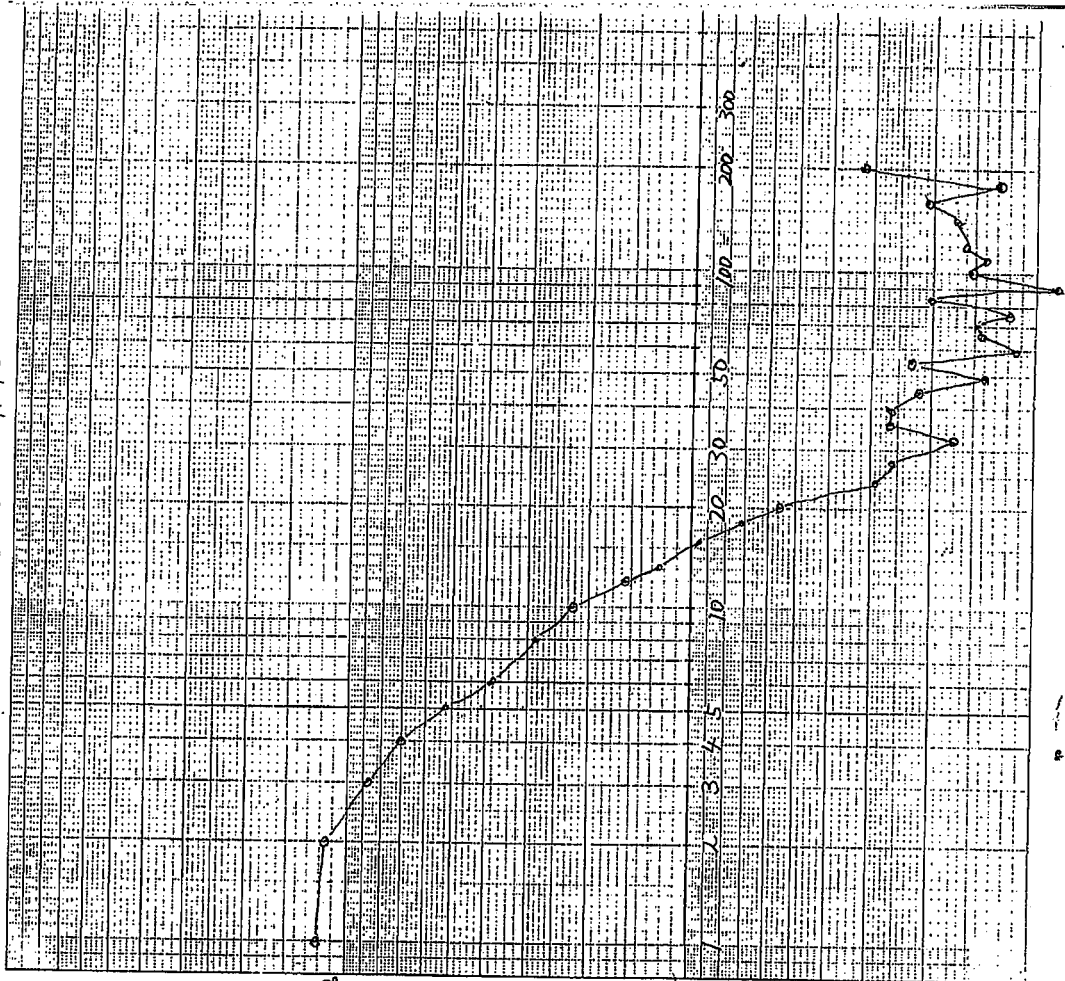
JIS-A4 両対数方眼紙 コクヨ

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

TAG	a	mV	mA	R	ρ_a
1	1		226.99	14588.30	
2	2		128.86	1624.64	
3	3		62.224	169.81	
4	4		34.777	872.90	
5	5		19.762	620.53	
6	6		9.5022	358.23	
7	8		3.8654	194.43	
8	10		1.8430	115.74	
9	12		0.8394	69.129	
10	14		0.5611	49.38	
11	16		0.3032	20.82	
12	18		0.2568	29.02	
13	20		0.1873	23.60	
14	24		0.1192	18.00	
15	28		0.1271	22.37	
16	32		0.10695	13.97	
17	36		0.10586	13.24	
18	40		0.10476	11.45	
19	45		0.10402	11.38	
20	50		0.10318	10.00	
21	55		0.10333	11.49	
22	60		0.10531	20.02	
23	65		0.1045	5.92	
24	70		0.10303	13.33	
25	76		0.10271	12.93	
26	82		0.10229	11.79	
27	90		0.10243	13.73	
28	100		0.10247	15.51	
29	110		0.10190	13.41	
30	120		0.10176	13.27	
31	140		0.10198	17.40	
32	160		0.10205	20.50	
33	180		0.10258	29.15	
34	200		0.10379	47.75	
35	220				
36	240				
37	260				
38	280				
39	300				

Nanguruwe (2/2)

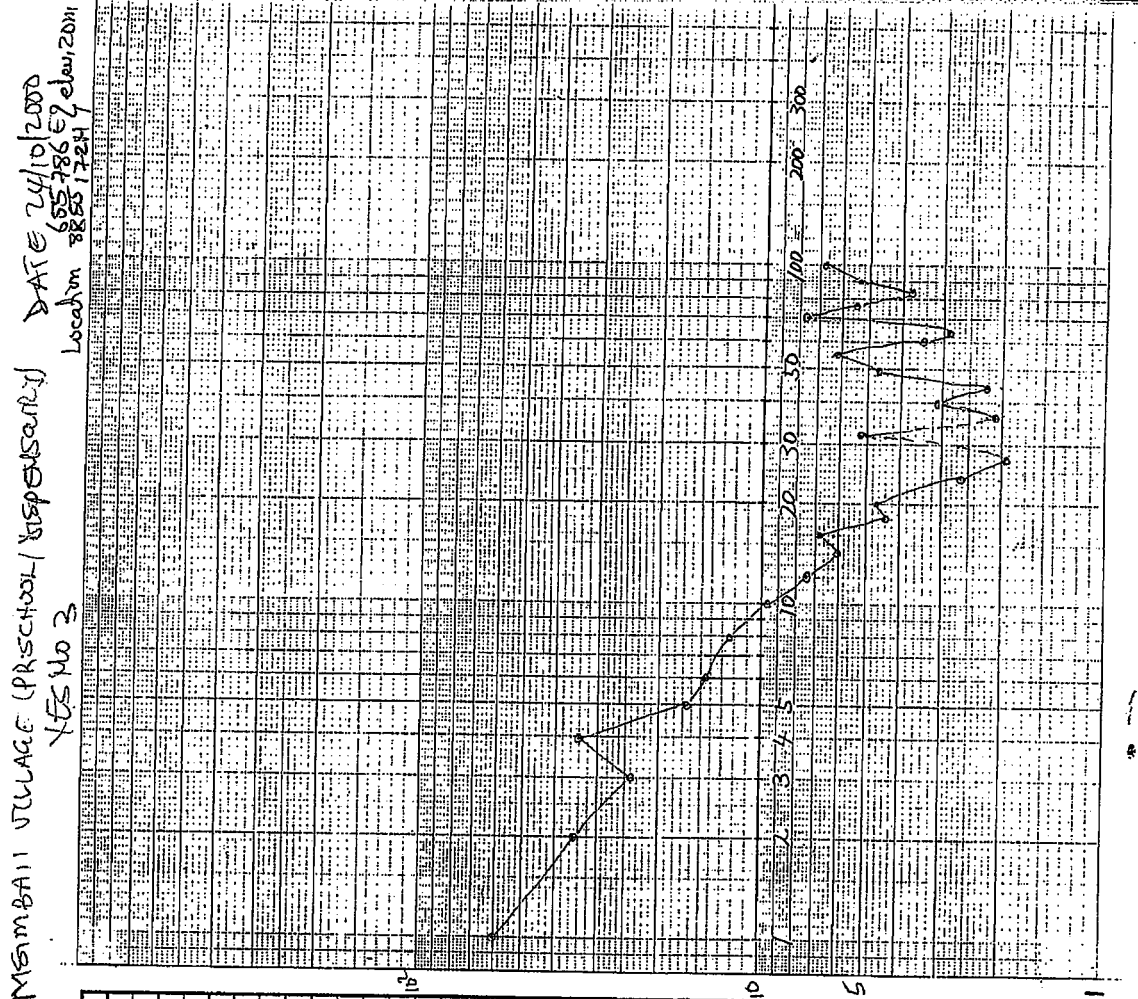
NANGURUWE VILLAGE
 YES No 2
 DATE 26/10/2000



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

TAG	a	mV	mA	R	ρ_a
1	1			92.30	1207.64
2	2			94.830	1194.86
3	3			44.872	881.19
4	4			27.1974	702.15
5	5			16.739	525.60
6	6			10.751	386.46
7	8			5.0697	285.19
8	10			3.5513	223.02
9	12			2.1099	159.09
10	14			1.4608	128.55
11	16			0.9534	95.34
12	18			0.6353	71.79
13	20			0.4455	56.13
14	24			0.1925	24.07
15	28			0.1502	26.44
16	32			0.0876	17.06
17	36			0.188	26.85
18	40			0.1061	26.62
19	45			0.0767	21.71
20	50			0.0445	13.97
21	55			0.0676	23.32
22	60			0.0306	11.54
23	65			0.0353	14.48
24	70			0.0339	14.97
25	76			0.0766	12.69
26	82			0.0398	20.50
27	90			0.0197	8.70
28	100			0.0245	15.39
29	110			0.0206	14.23
30	120			0.0224	16.89
31	140			0.0197	17.32
32	160			0.0210	21.06
33	180			0.0118	13.33
34	200			0.0268	33.77
35	220				
36	240				
37	260				
38	280				
39	300				

Msimbati (1/3)

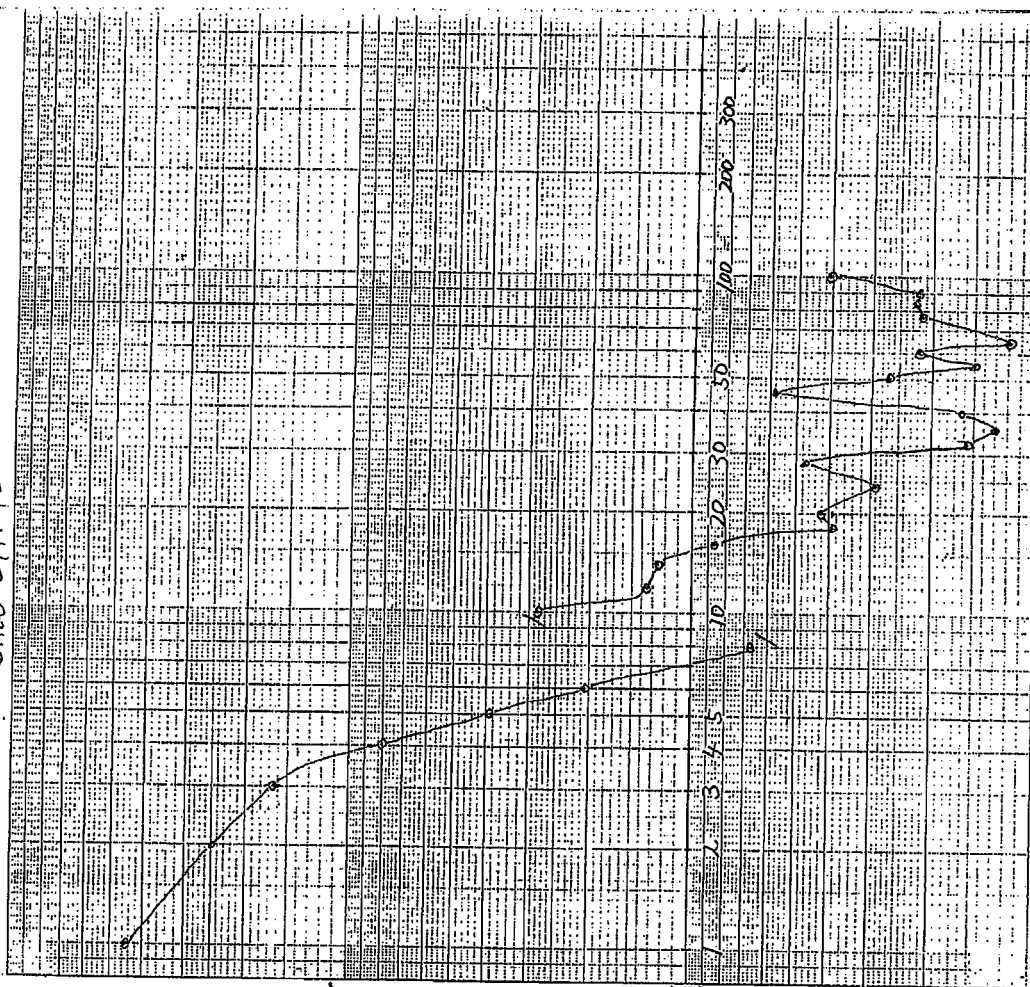


$\rho_a = 2\pi a \cdot V / I = 628 \times a \times V / I$

TAG	a	mV	mA	R	ρ_a
1	1	9.6898		60.85	60.85
2	2	2.7827		25.06	25.06
3	3	1.2811		24.08	24.08
4	4	1.3553		24.01	24.01
5	5	0.5407		16.98	16.98
6	6	0.3882		14.64	14.64
7	8	0.2431		12.23	12.23
8	10	0.1566		9.83	9.83
9	12	0.1080		7.54	7.54
10	14	0.0690		6.07	6.07
11	16	0.6690		6.94	6.94
12	18	0.0325		4.74	4.74
13	20	0.0383		4.83	4.83
14	24	0.0175		2.64	2.64
15	28	0.0112		1.99	1.99
16	32	0.0266		5.35	5.35
17	36	0.0099		2.74	2.74
18	40	0.0126		3.16	3.16
19	45	0.0085		2.41	2.41
20	50	0.0152		4.77	4.77
21	55	0.0181		6.24	6.24
22	60	0.0093		3.51	3.51
23	65	0.0071		2.90	2.90
24	70	0.0181		7.96	7.96
25	76	0.0114		5.44	5.44
26	82	0.0074		3.81	3.81
27	90	0.0045		5.37	5.37
28	100	0.0110		6.91	6.91
29	110				
30	120				
31	140				
32	160				
33	180				
34	200				
35	220				
36	240				
37	260				
38	280				
39	300				

Msimbati (2/3)

Msimbati Village VES No. 2
DATE 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	670.68		4234.67	
2	2	232.98		2925.53	
3	3	88.285		1668.22	
4	4	31.913		801.02	
5	5	12.524		393.25	
6	6	5.5168		208.00	
7	8	1.3267		66.73	
8	10	0.4501		28.27	
9	12	0.1796		13.54	
10	14	0.1425		12.54	
11	16	0.0872		8.72	
12	18	0.0350		3.96	
13	20	0.0329		4.27	
14	24	0.0197		2.97	
15	28	0.0274		4.82	
16	32	0.0079		1.59	
17	36	0.0060		1.36	
18	40	0.0065		1.63	
19	45	0.0207		5.86	
20	50	0.0088		2.76	
21	55	0.0043		1.48	
22	60	0.0063		2.38	
23	65	0.0029		1.18	
24	70	0.0037		1.62	
25	76	0.0049		2.34	
26	82	0.0049		2.52	
27	90	0.0043		2.43	
28	100	0.0066		4.14	
29	110				
30	120				
31	140				
32	160				
33	180				
34	200				
35	220				
36	240				
37	260				
38	280				
39	300				

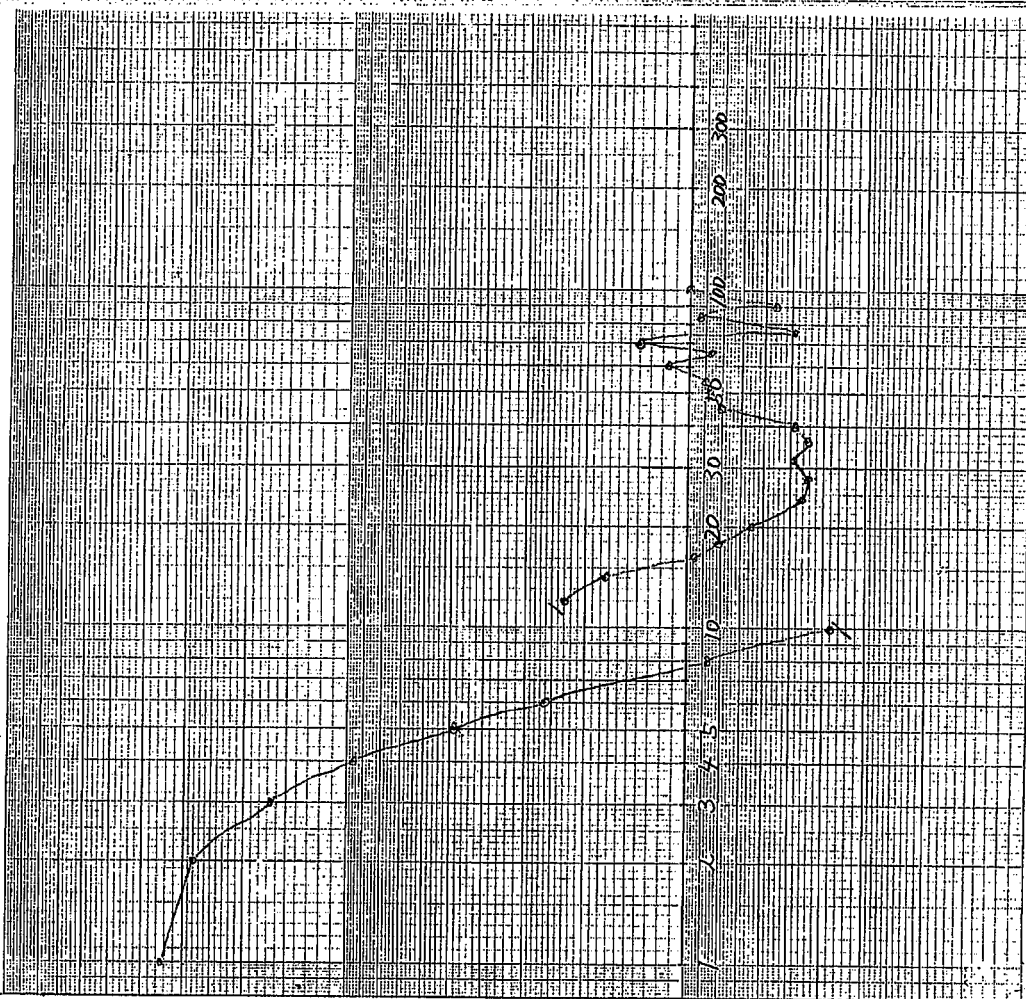
Msimbati (3/3)

BATIC 24/10/2000

Msimbati VILLAGE YES No 1

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

TAG	a	mV	mA	R	ρ_a
1	1			536.21	3367.40
2	2			924.07	7823.28
3	3			89.366	1680.08
4	4			38.631	969.60
5	5			15.471	485.99
6	6			6.8982	260.06
7	8			1.7647	88.76
8	10			0.6070	38.12
9	12			0.3067	23.13
10	14			0.1998	17.58
11	16			0.0949	9.149
12	18			0.0517	5.10
13	20			0.0523	6.54
14	24			0.0316	4.77
15	28			0.0258	4.52
16	32			0.0208	4.92
17	36			0.0197	4.45
18	40			0.0198	4.97
19	45			0.0283	8.01
20	50			0.0284	8.92
21	55			0.0264	9.11
22	60			0.0312	11.82
23	65			0.0218	8.89
24	70			0.0320	14.08
25	76			0.0094	4.72
26	82			0.0186	9.58
27	90			0.0096	5.42
28	100			0.0162	10.17
29	110				
30	120				
31	140				
32	160				
33	180				
34	200				
35	220				
36	240				
37	260				
38	280				
39	300				



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