

Appendix 6 (13)

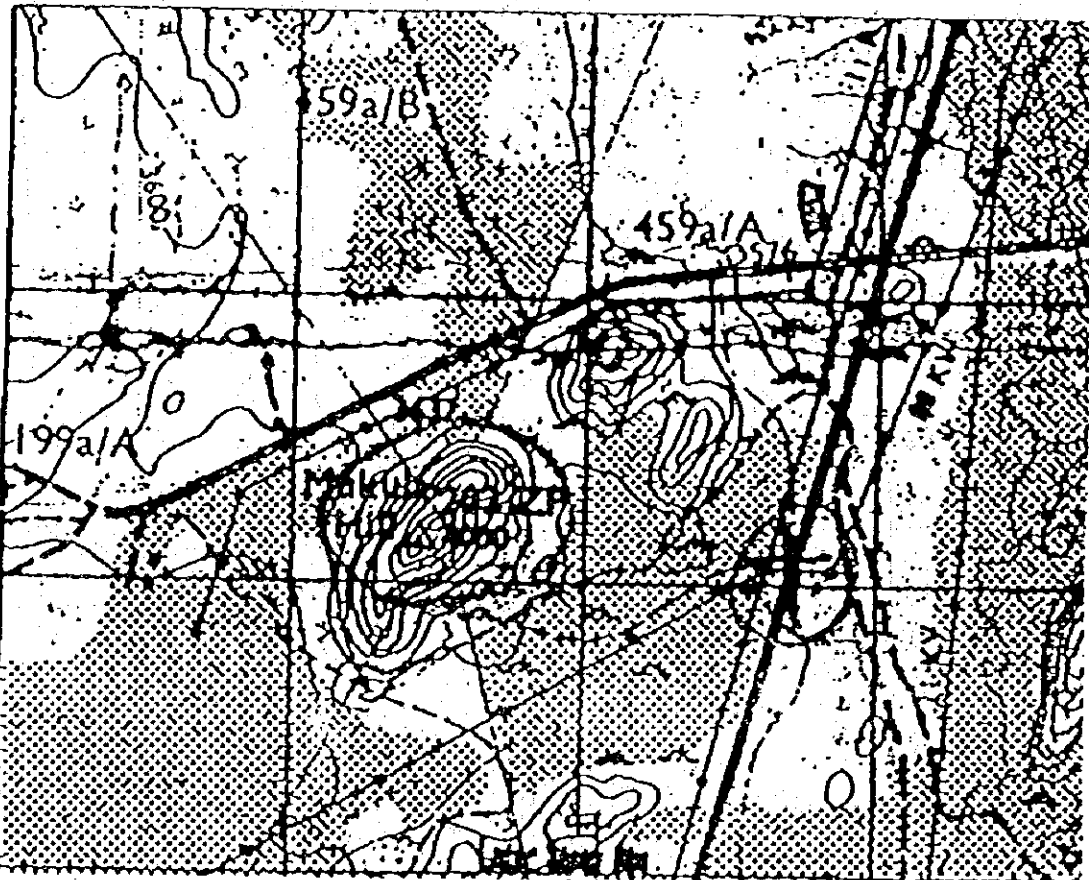
FILE:NV

DESCRIPTION

		date:	weather:	
STATION		Δ Z P. 202	1/50,000	1528 CI
			1/250,000	SD-35-15
HEIGHT	H=	1219.200	surveyor	KODY. A-W
	E=	631488.165	instrument	
CO-ORDINATE	N=	8268.132.506	surveyor	
			instrument	

Sketch.

Name of Village.



FILE:NV

JICA STUDY TEAM.

Appendix 6 (14)

FILE:NV

DESCRIPTION

		date: 11 JUNE 1994		weather: FINE.	
STATION	No. 14 BM	1/50,000	1528 C1		
		1/250,000	SD - 35 - 15		
HEIGHT	H=	surveyor	MR. KODY		
		instrument	BARO METER		
CO-ORDINATE	E= 633,321.	surveyor	MR. TAKAMATSU		
	N= 8262,762.	instrument	ENSIGN GPS		
<p style="text-align: center;"><u>Sketch.</u></p> <p style="text-align: right;">Name of Village. <i>Mentani</i></p> <p style="text-align: center;">BM No. 14</p> <p style="text-align: center;">1.5M</p> <p style="text-align: center;">14M</p>					

FILE:NV

JICA STUDY TEAM.

Appendix 6 (15)

FILE:NV

DESCRIPTION

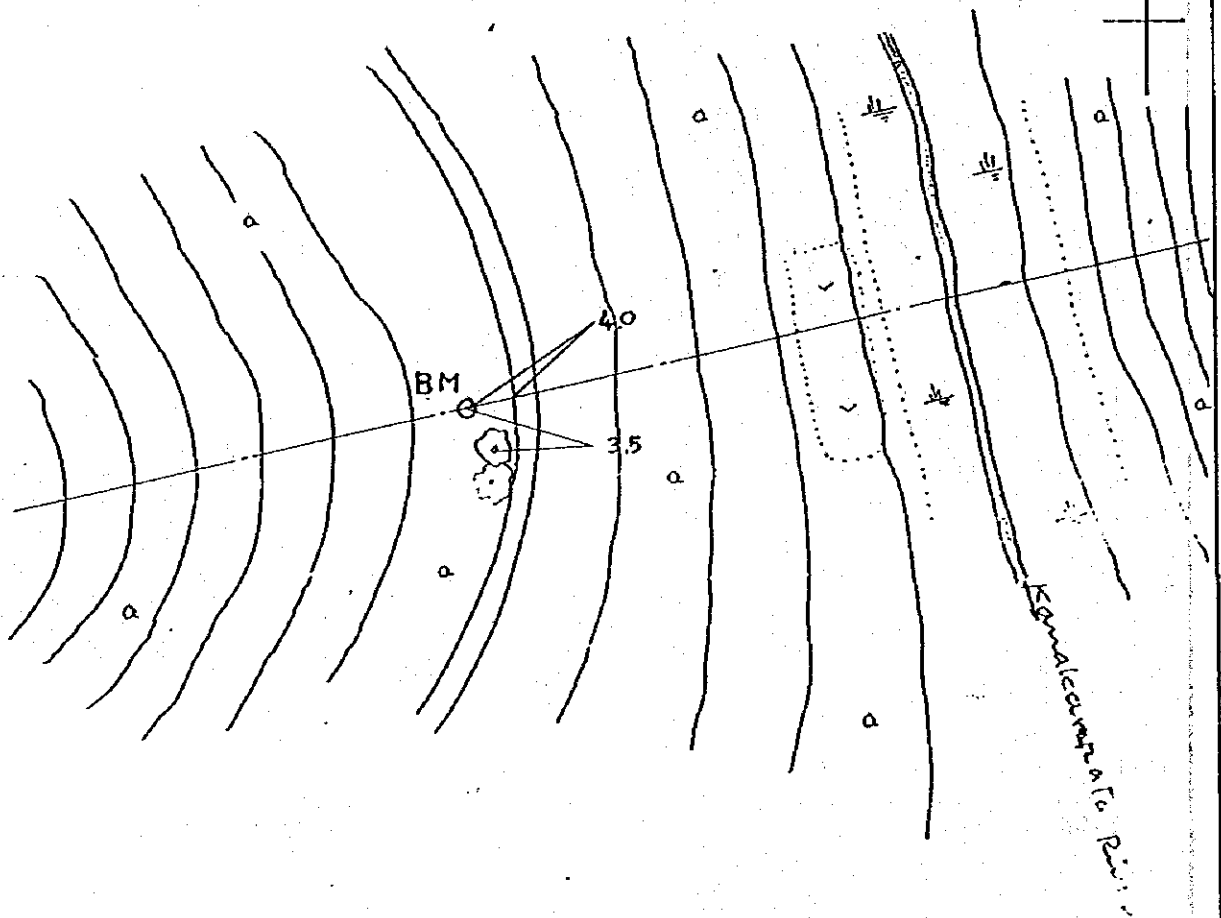
		date: 15, 7, 1994	weather:
STATION	NO. 15 BM	1/50,000	1528 B1
		1/250,000	SD-35-16
HEIGHT	H= 1,109.00	surveyor	KODY A W
		instrument	BAROMETER
CO-ORDINATE	E= 672,343 N= 8,320,668	surveyor	
		instrument	ENSIGN GPS

E = 672,343
N = 8320,668

Sketch.

Name of Village.

Kanakantana
MR. Maramba farm
N.W. corner of Kanakantana and Karamba
Karamba



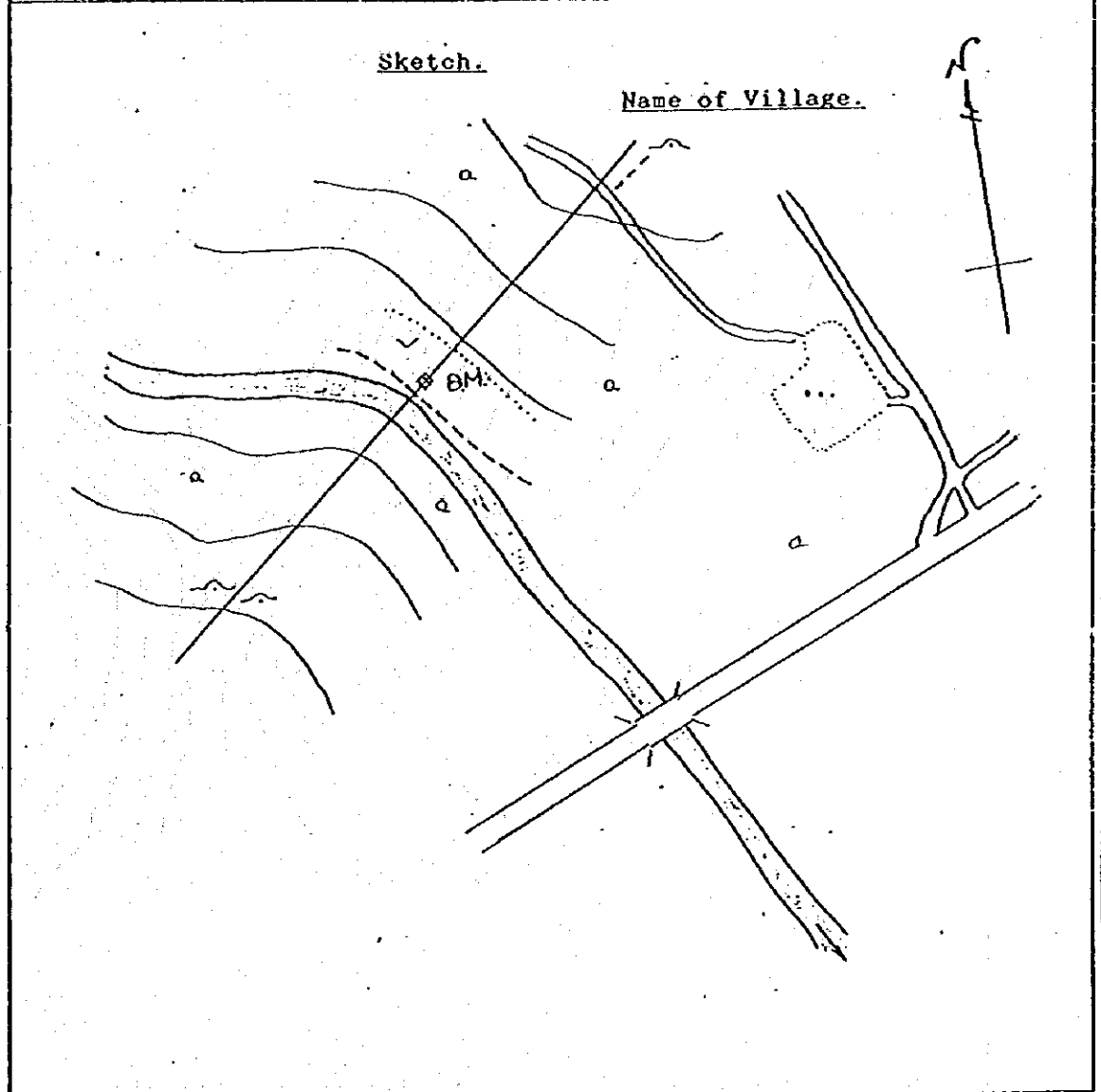
JICA STUDY TEAM.

Appendix 6 (16)

FILE:NV

DESCRIPTION

		date: 6.6.1994		weather:	
STATION		NO. 16 B.M.	1/50,000	1528 B3	
			1/250,000	SD-35-16	
HEIGHT	H=	990.0	surveyor	KODY - A-W	
			instrument	BAROMETER	
CO-ORDINATE	E=	682,250	surveyor		
			N=	8305,870	instrument



FILE:NV

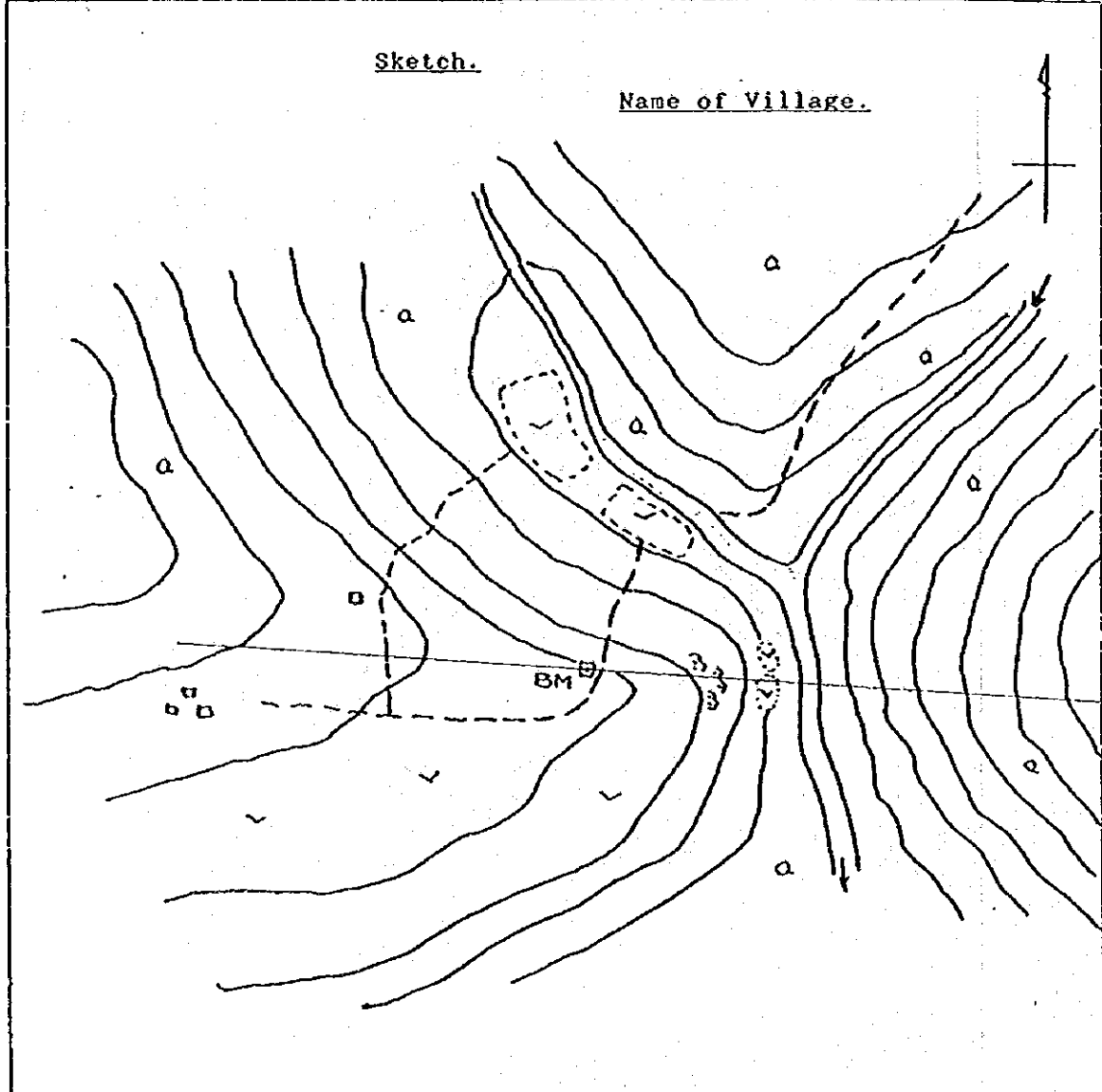
JICA STUDY TEAM.

Appendix 6 (17)

FILE:NV

DESCRIPTION

		date: 30.6.1994		weather: fine	
STATION	NO. 17 B.M.	1/50,000	1528 B2		
		1/250,000	SD-35-16		
HEIGHT	H= 101895	surveyor	KODY-A-W.		
		instrument	BAROMETER		
CO-ORDINATE	E= 711957 N= 8319590	surveyor			
		instrument	ENSIGN G.P.S.		



FILE:NV

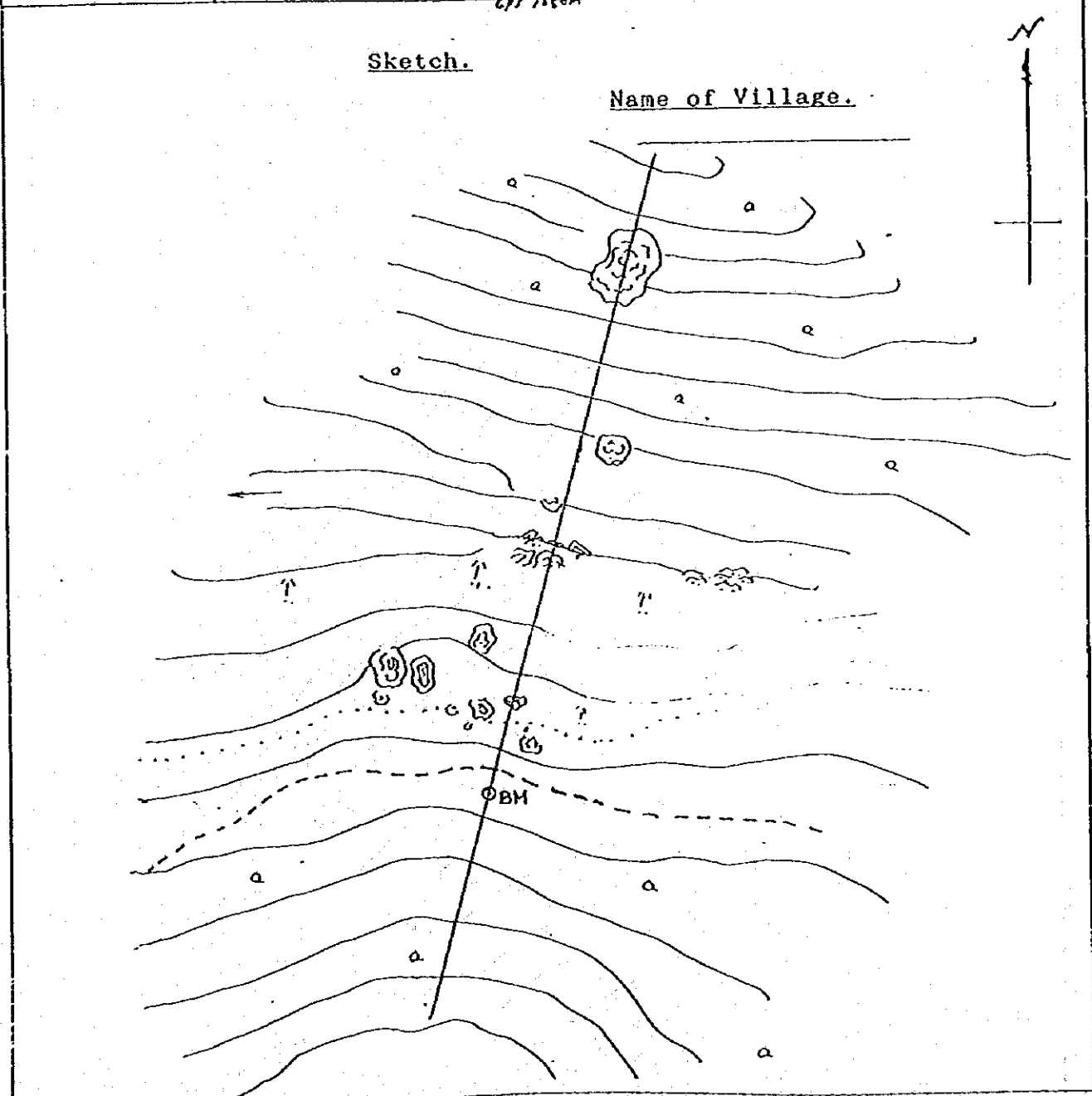
JICA STUDY TEAM.

Appendix 6 (18)

FILE:NV

DESCRIPTION

		date: 23 6 1994	weather:
STATION	NO 18 B.M.	1/50,000	1233 A1
		1/250,000	SD -36-3
HEIGHT	H= 1,021.00	surveyor	KODY - A-W.
		instrument	BAROMETER
CO-ORDINATE	E= 505,079 N 8664,837	surveyor	
		instrument	ENSIGN G.P.S.

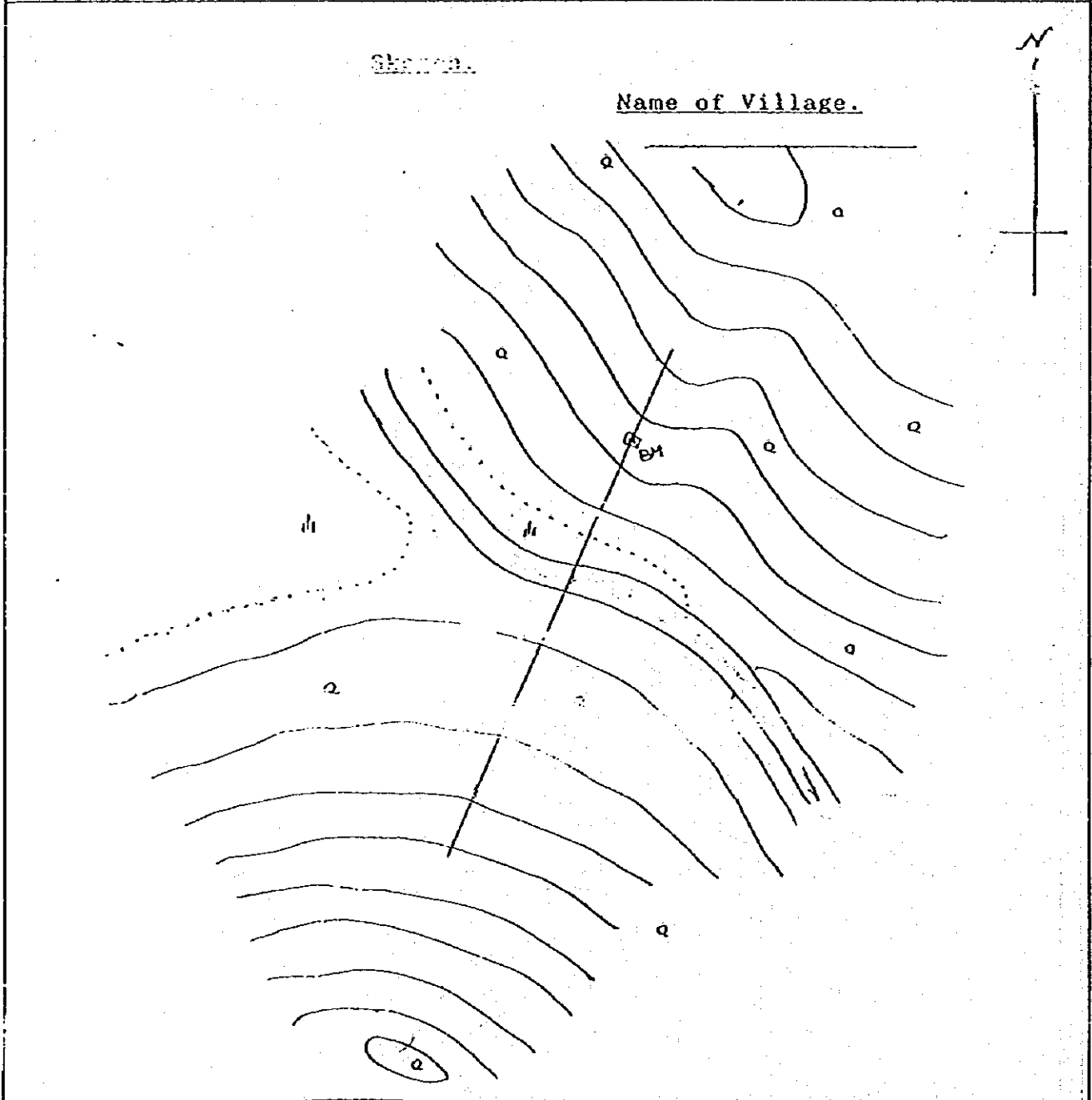


Appendix 6 (19)

FILE:NV

DESCRIPTION

date: 8, 7, 1994 weather:			
STATION	NO. 19 B.M.	1/50,000	1330 A3
		1/250,000	SD-36-5
HEIGHT	H= 1260	surveyor	KODY A W
		instrument	ENSIGN G.P.S.
CO-ORDINATE	E= 201900 N= 8514264	surveyor	
		instrument	ENSIGN G.P.S.



FILE:NV

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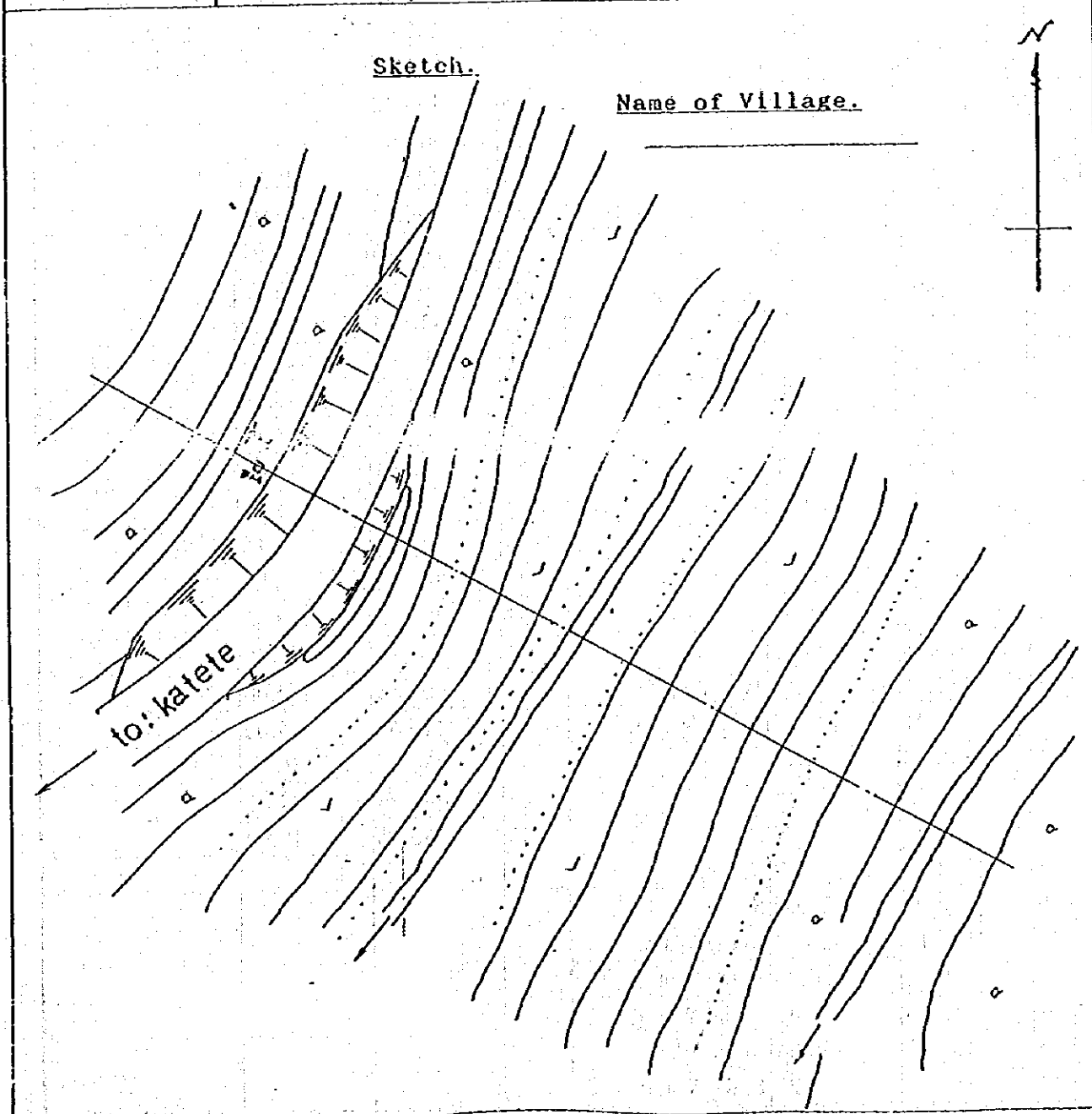
JICA STUDY TEAM.

Appendix 6 (20)

FILE: N7

DESCRIPTION

		date: 20, 6, 1994		weather:	
STATION	NO, 21 B.M.	1/50,000	1432 A1		
		1/250,000	SD-36-10		
HEIGHT	H= 1115.60 842.50	surveyor		KODY - A-W.	
		instrument		BAROMETER	
CO-ORDINATE	E= 398,862 N= 844,8694	surveyor			
		instrument		ENSIGN G.P.S.	



FILE: N7

T-App-77

JICA STUDY TEAM.

Appendix 6 (21)

DAM AXIS PROFILE DATA.

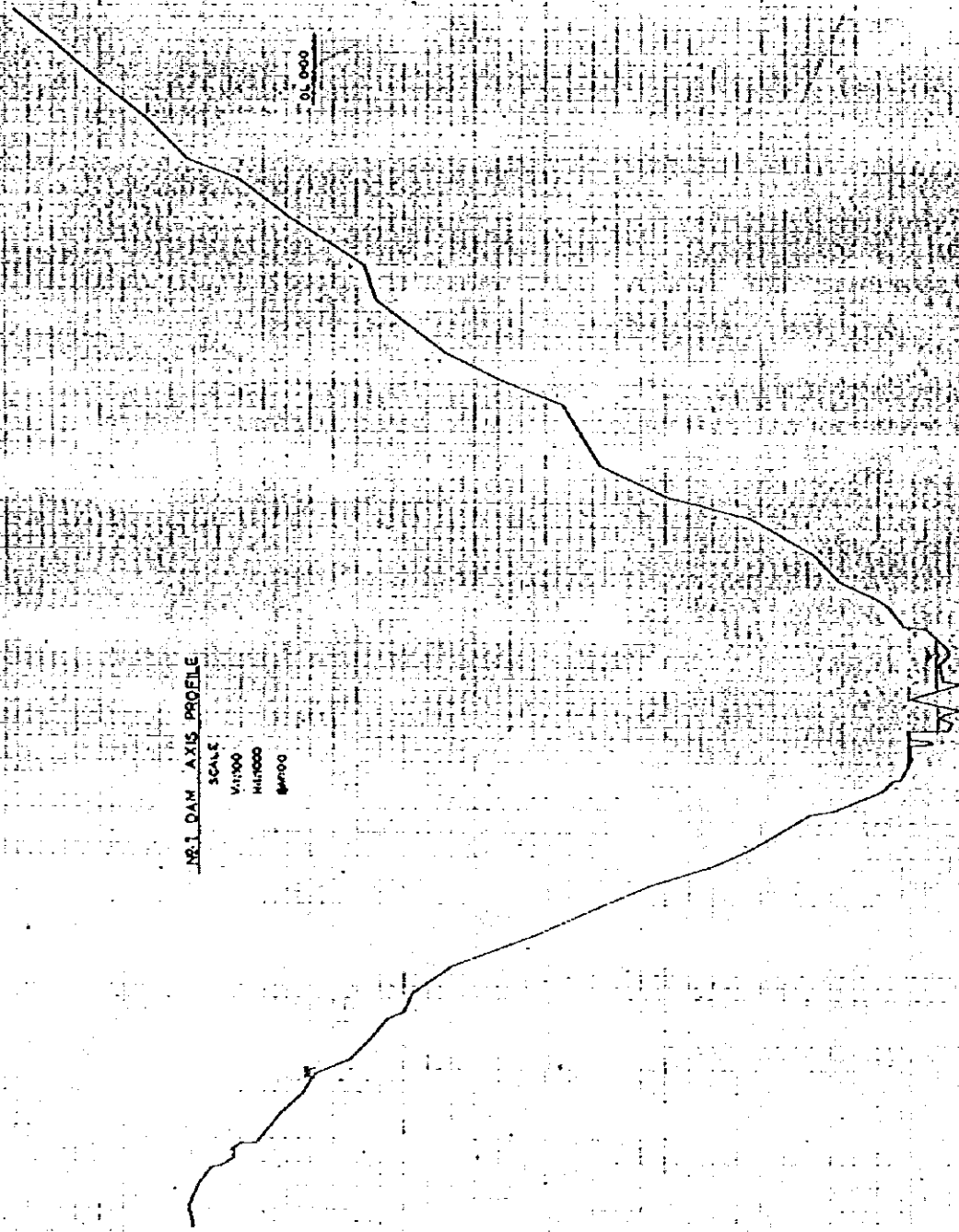
STATION : DAM No. 1 CHIPILI.				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		15	166.54	-27.35	In the Water
1	2.22	-0.49		16	168.07	-26.50	In the Water
2	6.87	-1.57		17	175.86	-26.41	In the Water
3	15.14	-2.62		18	178.68	-26.76	In the Water
4	24.02	-3.14		19	182.48	-26.66	In the Water
5	26.19	-3.81		20	189.91	-25.81	In the Water
6	34.46	-4.18		21	192.63	-24.87	In the Water
7	40.80	-5.07		22	200.86	-24.17	In the Water
8	46.82	-6.07		23	203.42	-23.67	
				24	210.01	-22.18	
TP 1.	0	0		25	222.64	-20.96	
1	50.10	-6.76		26	236.18	-18.31	
2	50.45	-7.16		27	245.16	-14.99	
3	62.05	-10.04		28	257.89	-12.15	
4	80.93	-14.18		29	270.34	-11.42	
5	88.89	-16.81		30	284.63	-10.52	
6	97.93	-18.57		31	294.15	-7.96	
7	110.80	-20.97		32	306.06	-5.55	
8	112.60	-21.98		33	318.55	-4.03	
9	121.62	-24.06		34	327.90	-2.64	
				35	342.18	-2.16	
TP 2.	0	0		36	361.12	0.82	
1	124.97	-24.41		37	379.42	3.30	
2	125.48	-24.73		38	387.85	5.48	
3	133.64	-25.16	Water Surface.	39	402.53	7.00	
4	134.91	-25.25	In the Water.	40	416.61	8.65	
5	140.50	-25.13		41	430.57	10.37	
6	141.42	-26.16		42	442.24	11.75	
7	141.93	-26.09		43	450.50	12.94	
8	142.96	-25.19	Stone.				
9	146.07	-25.00	Stone.				
10	147.12	-26.82	In the Water				
11	150.12	-26.93	In the Water				
12	152.13	-26.46	In the Water				
13	153.93	-26.64	In the Water				
14	155.38	-27.25	In the Water				

Appendix 6 (22)

DAM AXIS PROFILE DATA.

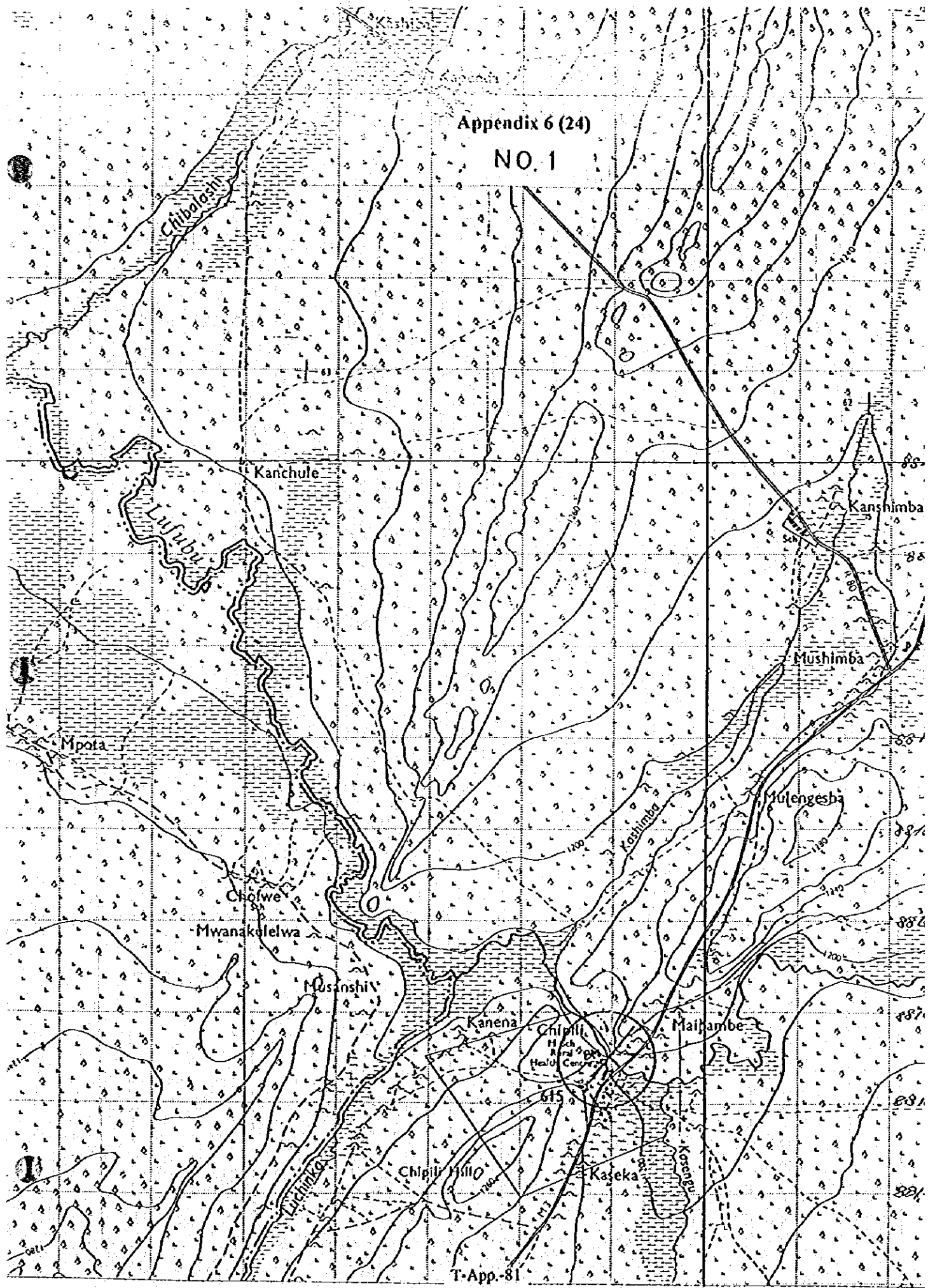
STATION : DAM No. 1 CHIPILI.				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0					
1	6.82	0.32					
2	16.08	1.42					
3	29.24	2.45					
4	29.73	3.13					
5	32.81	3.60					
6	33.08	3.43	Road Start.				
7	35.76	3.40	Road End.				
8	38.90	3.93					
9	39.91	4.31					
10	47.77	4.96					
11	56.73	5.38					
12	64.81	5.12					

Appendix 6 (25)



Appendix 6 (24)

NO. 1



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Appendix 6 (25)

DAM AXIS PROFILE DATA.

STATION : No. 2 WEST LUNGA.				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		23	278.90	-41.80	
1	13.51	-1.97		24	281.90	-41.76	
2	32.88	-4.67		25	283.73	-41.32	Water Surface.
3	52.68	-7.83		26	283.73	-41.77	
4	72.50	-11.58		27	284.24	-41.08	
5	91.20	-15.23		28	301.94	-39.97	
				29	317.15	-37.68	
TP 1.	0	0		30	333.01	-35.34	
1	110.19	-19.18		31	351.64	-33.18	
2	127.24	-22.89		32	366.79	-31.35	
3	136.23	-25.24		33	383.56	-29.52	
4	145.95	-28.53		34	401.35	-27.27	
				35	419.39	-24.65	
TP 2.	0	0		36	434.50	-22.08	
1	160.52	-33.09		37	451.93	-19.30	
2	177.36	-36.02		38	467.87	-16.45	
3	195.74	-38.63		39	482.59	-13.86	
4	211.21	-40.37		40	500.35	-10.83	
5	225.31	-40.76		41	517.09	-7.23	
6	231.91	-40.47		42	535.37	-3.41	
7	232.79	-41.32	Water Surface.	43	552.91	0.22	
8	232.90	-41.97		44	569.43	2.78	
9	235.90	-42.69		45	588.17	5.01	
10	238.90	-42.72					
11	241.90	-42.82					
12	244.90	-42.89					
13	247.90	-42.92					
14	250.90	-42.72					
15	253.90	-42.72					
16	256.90	-42.62					
17	259.90	-42.17					
18	262.90	-42.07					
19	265.90	-41.92					
20	268.90	-41.89					
21	272.90	-41.84					
22	275.90	-41.80					

Appendix 6 (26)

NO. 2 DAM AXIS PROFILE

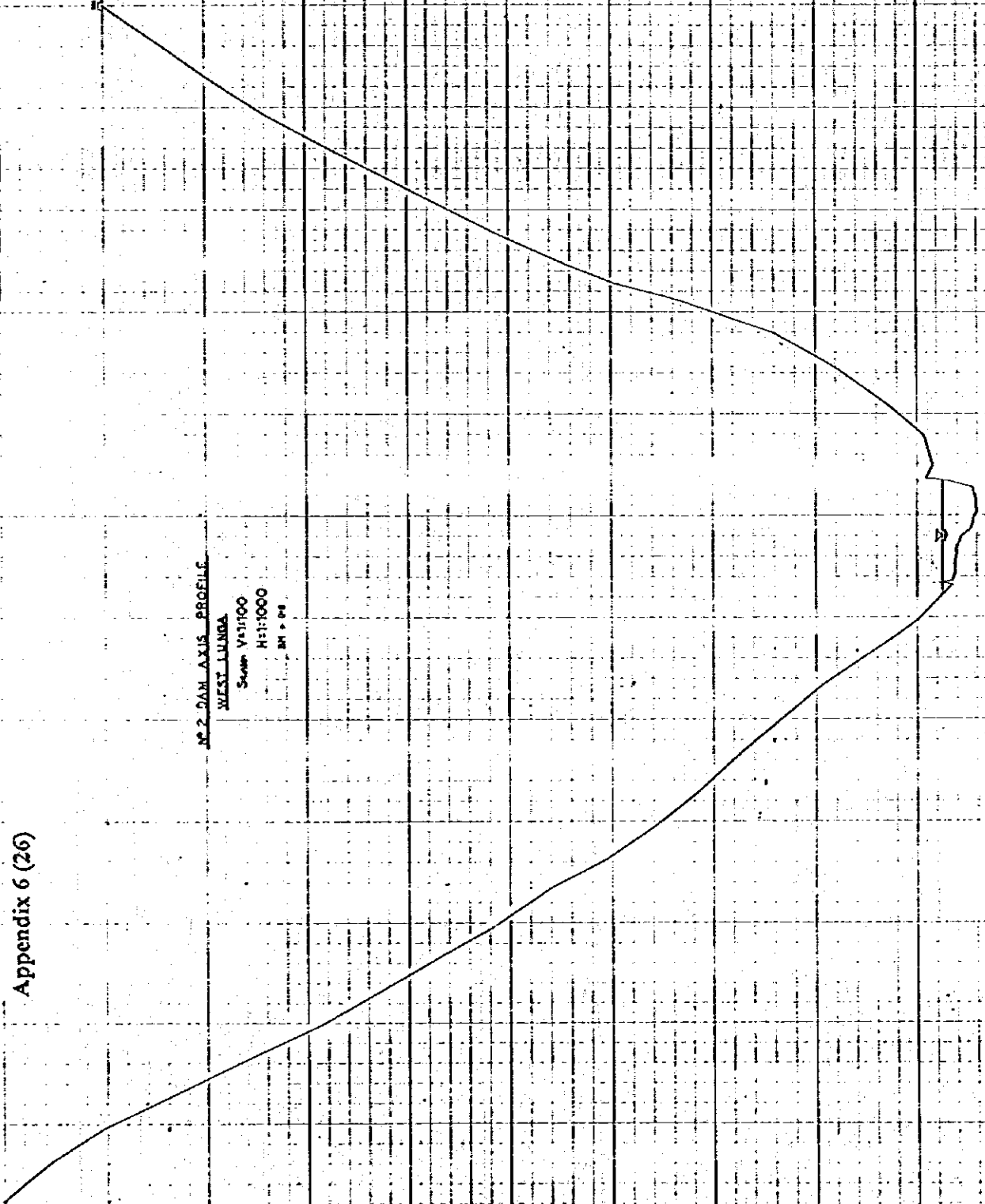
WEST LUNGA

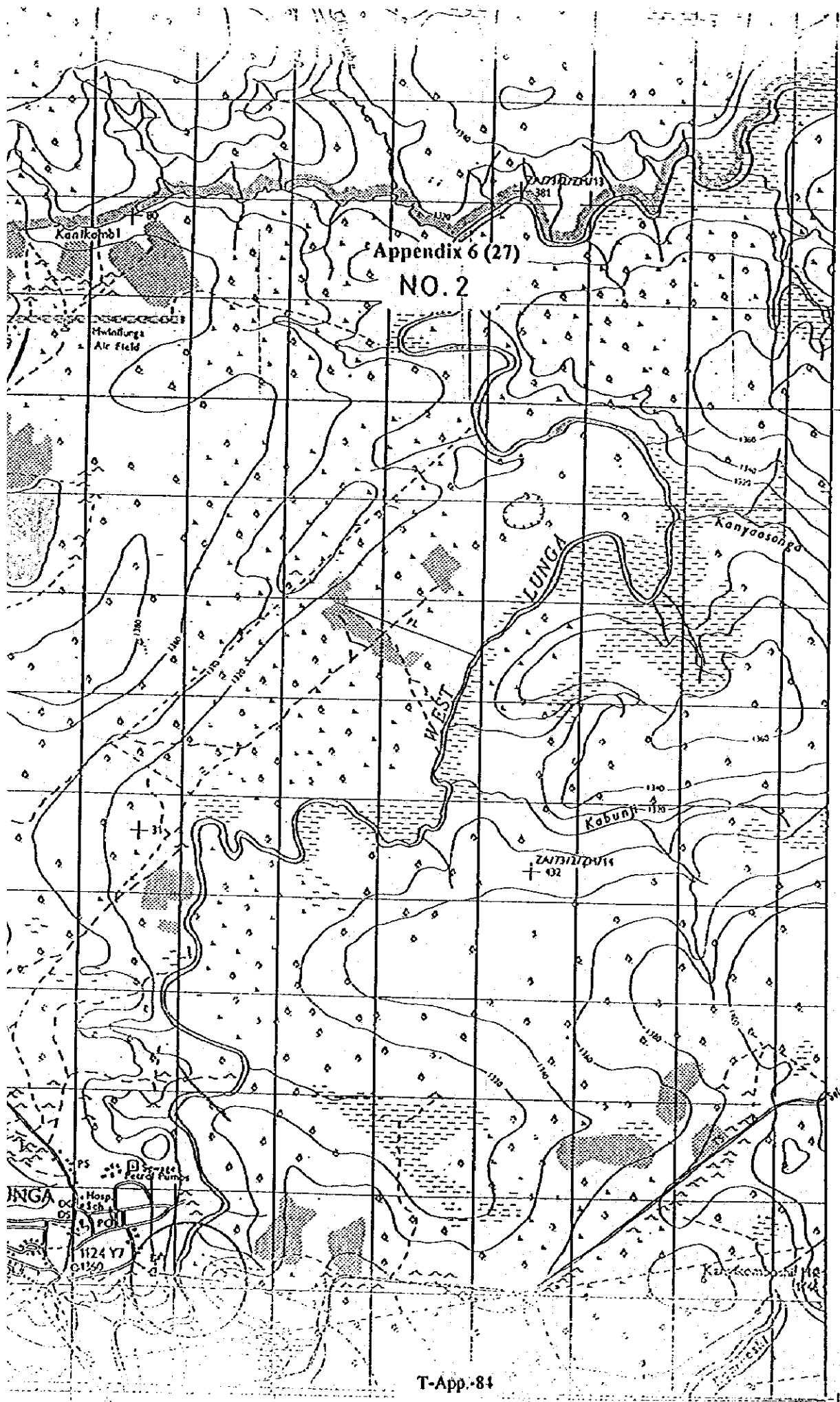
Scale V:1/100

H:1/1000

BM 04

D. 1 - 1970





Appendix 6 (27)
NO. 2

8713
8712
8711
8710
11° 40'
8709
8708
8707
8706
8705
8704
8703
8702
8701

T-App-84

KT
850
11° 35'
KS

720 721 722 723 724 725 726 727

Appendix 6 (28)

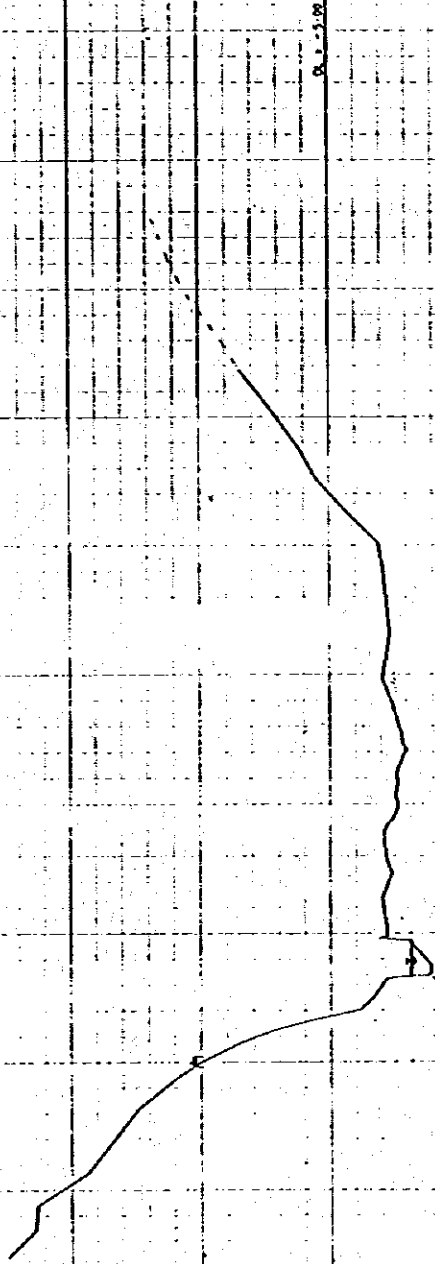
DAM AXIS PROFILE DATA.

STATION : No. 3 LUKUPA.				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		12	124.12	-7.10	
1	8.05	-1.60		13	127.12	-7.04	
2	12.53	-2.85		14	130.12	-6.95	
3	16.73	-4.32		15	138.47	-6.45	Water Surface
4	20.84	-6.22		16	138.48	-6.51	
5	25.73	-6.74		17	138.59	-6.10	
				18	148.49	-6.40	
TP 1.	0	0		19	165.59	-6.30	
1	32.75	-7.29		20	178.69	-6.13	
2	33.83	-8.17	Water Surface	21	190.46	-5.98	
3	33.84	-10.19		22	201.34	-4.77	
4	28.73	-10.21		23	212.06	-3.48	
5	31.73	-10.30		24	226.40	-2.83	
6	34.73	-10.35		25	238.32	-1.40	
7	37.73	-10.36		26	258.30	-0.61	
8	47.33	-8.17	Water Surface	27	268.47	0.18	
9	48.16	-6.20					
10	56.41	-6.25					
11	63.50	-6.46					
12	73.48	-6.02					
13	79.19	-6.28					
14	88.52	-6.34					
15	91.12	-6.25					
TP 2.	0	0					
1	95.81	-6.45	Water Surface				
2	94.12	-6.66					
3	97.12	-6.83					
4	100.12	-6.94					
5	103.12	-6.77					
6	106.12	-6.83					
7	109.12	-6.87					
8	112.12	-6.89					
9	115.12	-6.93					
10	118.12	-7.10					
11	121.12	-7.21					

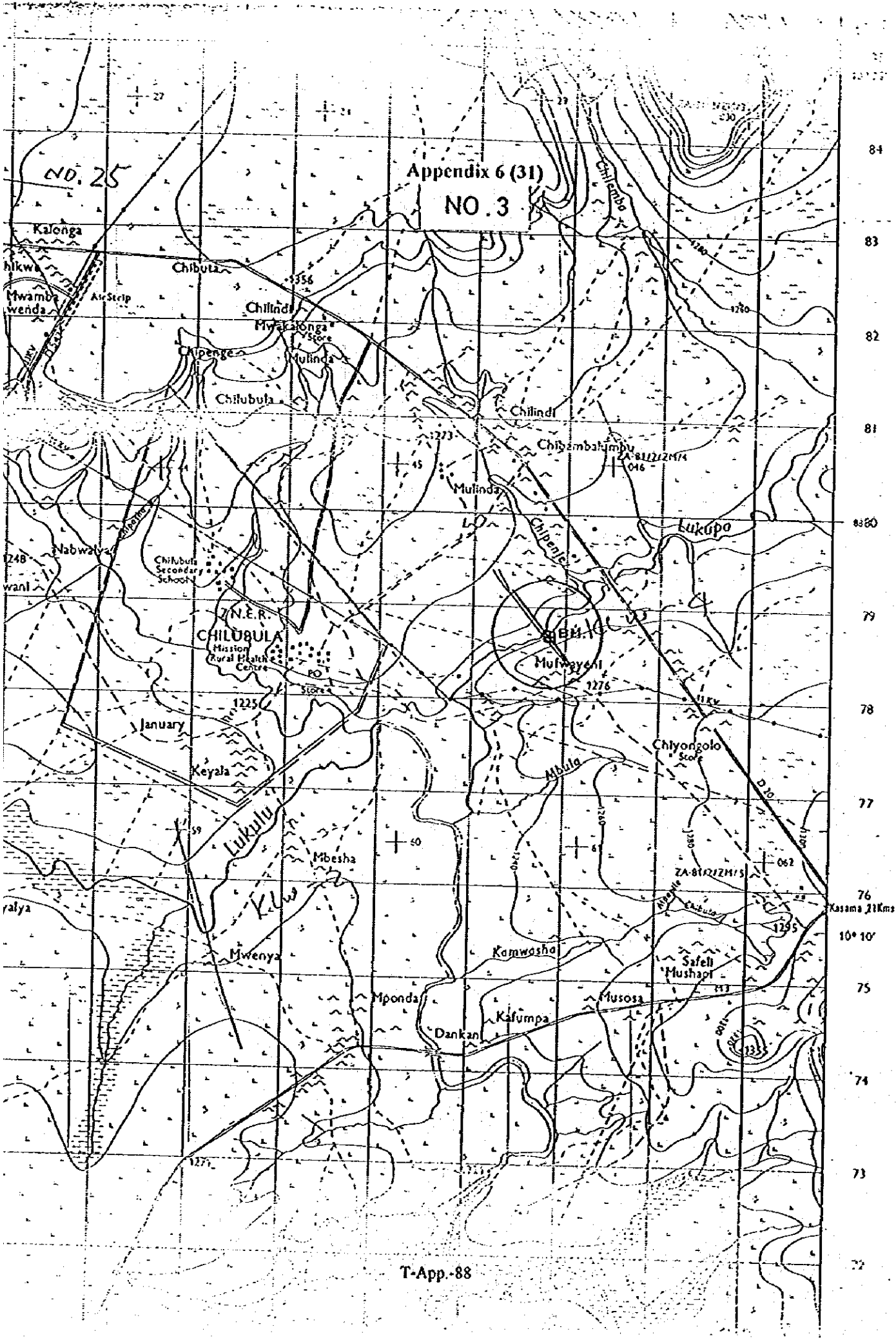
Appendix 6 (30)

NO. 3 LUMPA DAM AXIS PROFILE

V=1100
H=1100
D= 0.1



1:1000



Appendix 6 (32)

DAM AXIS PROFILE DATA.

STATION : No. 4 KAPEMBA				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	818.00		TP.3	166.46	805.14	
	6.90	817.11			169.02	806.08	
	15.23	815.34			172.49	808.45	
	24.49	814.15			177.44	811.17	
	33.74	812.33			183.78	813.63	
	42.13	811.27			190.77	816.13	
	49.11	811.07					
	51.22	811.95		TP.4	196.46	818.02	
	52.59	813.69			201.68	819.64	
	53.99	811.54			211.94	822.91	
					222.97	826.64	
TP.1	54.77	811.05			232.25	830.49	
	57.53	809.97			240.24	834.54	
	66.17	808.89			247.45	838.62	
	74.64	808.07			253.90	842.36	
	84.05	807.66					
	93.80	806.93					
	102.92	806.26					
	112.29	805.25					
TP.2	114.33	804.88					
	116.32	804.19					
	116.47	804.02					
	118.09	803.46					
	120.28	803.10					
	123.26	803.12					
	126.90	803.59					
	130.35	803.22					
	134.62	803.09					
	141.16	803.04					
	144.71	802.88					
	149.46	803.17					
	149.87	803.71					
	159.20	804.60					

Appendix 6 (33)

DAM AXIS PROFILE DATA.

STATION : No. 4 KAPEMBA				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	818.00					
	3.17	818.36					
	9.60	818.30					
	15.11	817.58					
	22.51	817.31					
	31.26	818.09					
	41.81	819.72					
	52.92	821.55					
	61.30	823.29					
	70.90	824.74					
	81.06	825.56					

Appendix 6 (34)

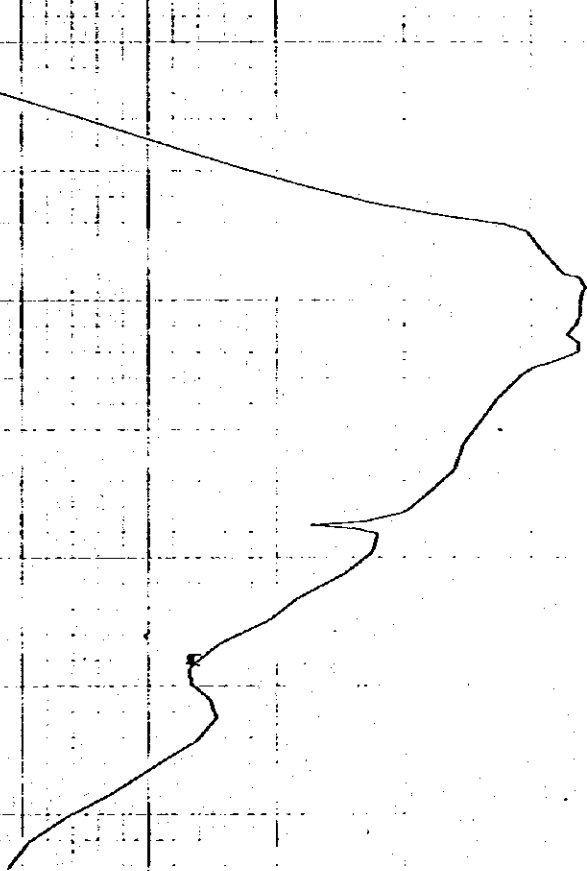
DE 4 DAM AXIS BROEIE

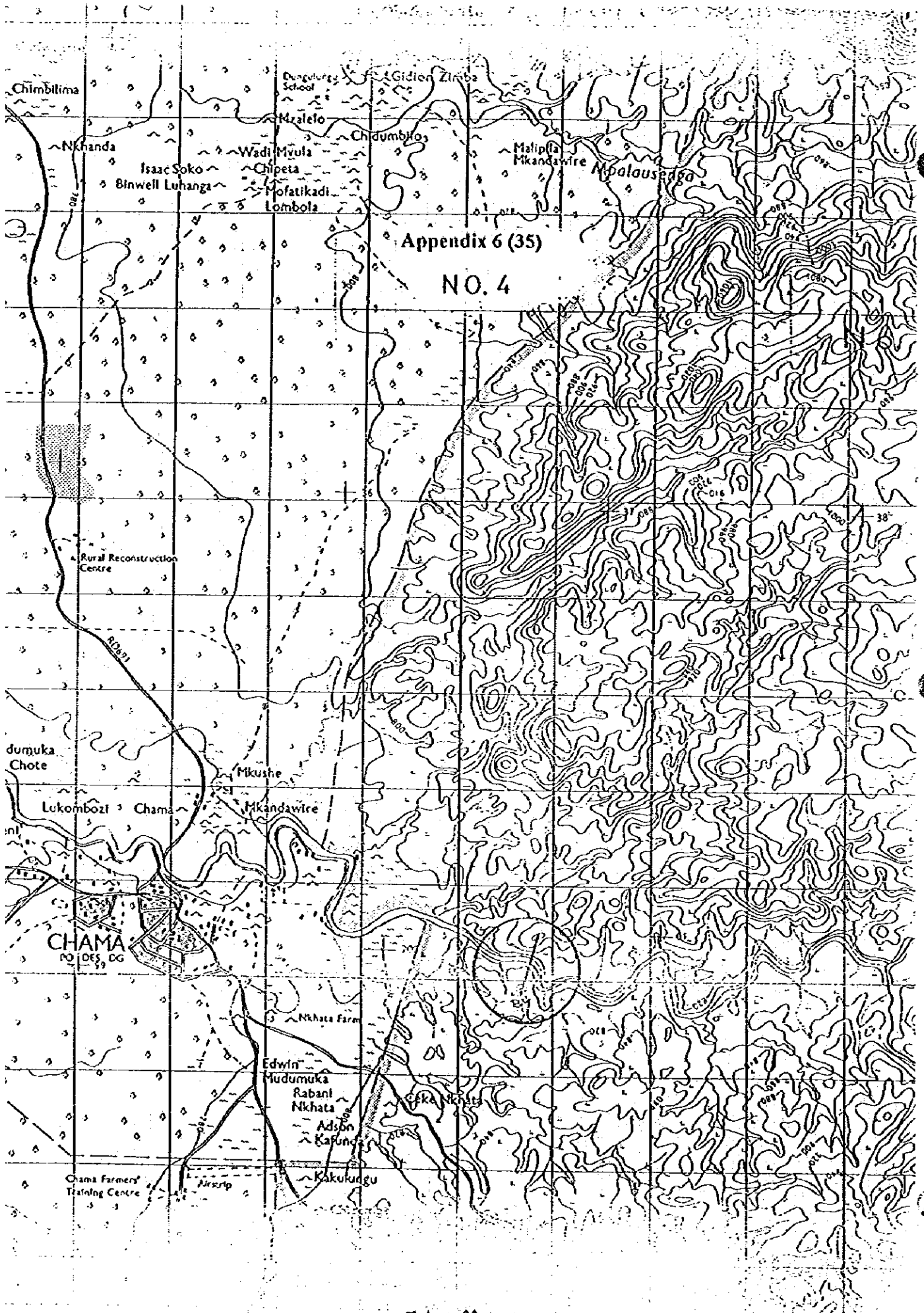
Scale: V=1:100

H=1:1000

DK = 8164

D. 1. 811.00





Appendix 6 (35)

NO. 4

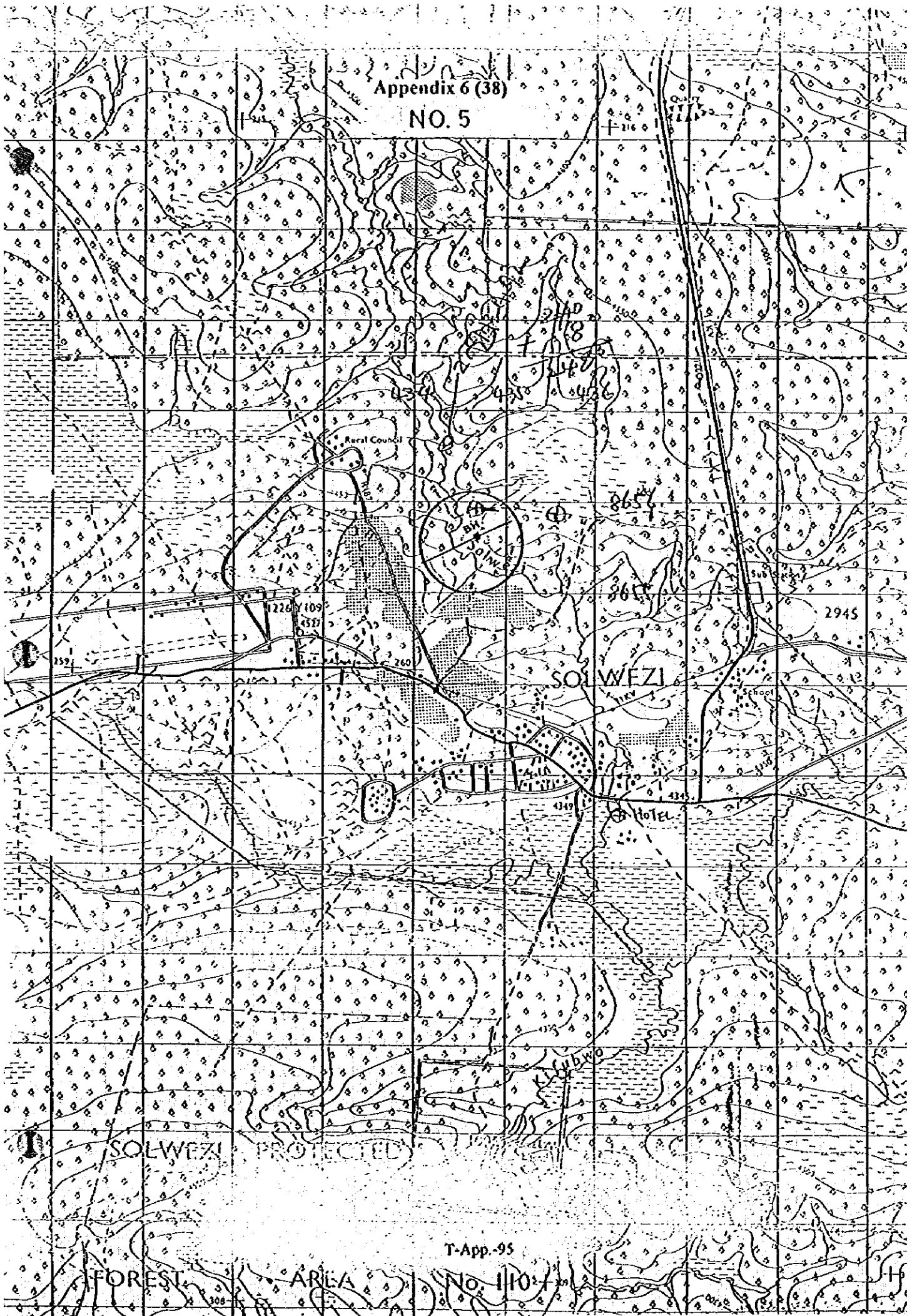
Appendix 6 (36)

DAM AXIS PROFILE DATA.

STATION : No. 5 SOLWEZI				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		20	447.04	-17.60	
1	9.99	-5.03	Ant Hill Finish	21	467.03	-14.86	
2	29.05	-6.93		22	486.28	-12.77	
3	47.21	-8.17		23	505.96	-11.14	
4	65.79	-9.52		24	524.92	-8.24	
5	84.53	-10.71		25	542.21	-6.47	
6	103.90	-11.87		26	558.02	-4.91	
7	123.26	-13.17		27	575.41	-3.11	
8	142.39	-14.18		28	593.79	-0.89	
9	161.85	-15.00		29	611.04	1.14	
10	181.49	-16.15		30	630.20	2.79	
11	199.41	-16.97		31	649.87	4.55	
12	217.79	-17.65		32	668.27	6.09	
13	236.77	-18.91		33	688.02	8.07	
14	251.66	-20.82					
TP 1.	0	0					
1	271.09	-23.53					
2	290.39	-25.05					
3	308.73	-26.38					
4	325.88	-28.25					
5	326.17	-28.46	Water Surface				
6	326.31	-29.14					
7	328.31	-30.14					
8	330.31	-30.54					
9	332.31	-30.54					
10	335.28	-29.44					
11	335.46	-28.46	Water Surface				
12	336.20	-28.37					
13	354.30	-27.55					
14	363.15	-25.61					
15	368.41	-24.14					
16	373.88	-24.88					
17	393.62	-23.29					
18	393.62	-21.72					
19	430.33	-19.66					

Appendix 6 (38)

NO. 5



SOLWEZI PROTECTED

FOREST AREA

T-App-95

No. 110

Appendix 6 (39)

DAM AXIS PROFILE DATA.

STATION : DAM No. 6 KAFUE				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		6	441.29	-5.78	Ant Hill Start.
1	17.81	-0.34					
2	25.81	0.07		TP 3.	0	0	
3	29.03	-0.61		1	447.53	-10.08	Ant Hill Finished.
4	45.05	-1.15		2	462.17	-10.79	
5	60.04	-1.45		3	479.11	-11.24	
6	78.87	-1.78		4	497.89	-12.01	
7	93.62	-2.21		5	516.10	-12.34	
8	110.03	-3.00		6	532.87	-12.64	
9	129.01	-3.38		7	551.55	-13.14	
10	143.01	-3.59		8	569.19	-13.12	
11	157.37	-3.71		9	576.61	-12.99	Ant Hill Start.
12	161.96	-3.48		10	581.54	-11.48	Ant Hill.
13	169.80	-2.73		11	586.24	-12.83	Ant Hill End.
14	174.30	-3.90		12	605.29	-13.91	
15	182.19	-4.40		13	623.77	-14.42	
				14	640.66	-15.08	
TP 1.	0	0		15	658.01	-15.63	
1	200.22	-5.11		16	674.98	-15.88	
2	218.03	-5.34		17	686.90	-16.26	
3	233.48	-5.77		18	693.41	-16.09	Ant Hill Start.
4	250.81	-6.25		19	698.76	-14.72	Ant Hill Start.
5	269.40	-6.65					
6	287.72	-7.04		TP 4.	0	0	
7	305.40	-7.43		1	705.29	-16.88	
8	325.03	-7.70		2	723.37	-17.52	Ant Hill Finished.
9	342.87	-8.08		3	741.04	-18.12	
10	355.18	-8.06	Ant Hill	4	760.33	-19.05	
11	361.30	-5.24	Ant Hill	5	777.55	-19.53	
				6	791.52	-19.64	
TP 2.	0	0	Ant Hill Finished.	7	805.15	-20.65	
1	366.55	-8.84		8	824.20	-21.62	Ant Hill Start.
2	385.07	-9.64		9	830.35	-19.39	Ant Hill.
3	398.80	-10.01					
4	416.16	-10.14					
5	434.19	-9.87	Ant Hill Start.				

Appendix 6 (40)

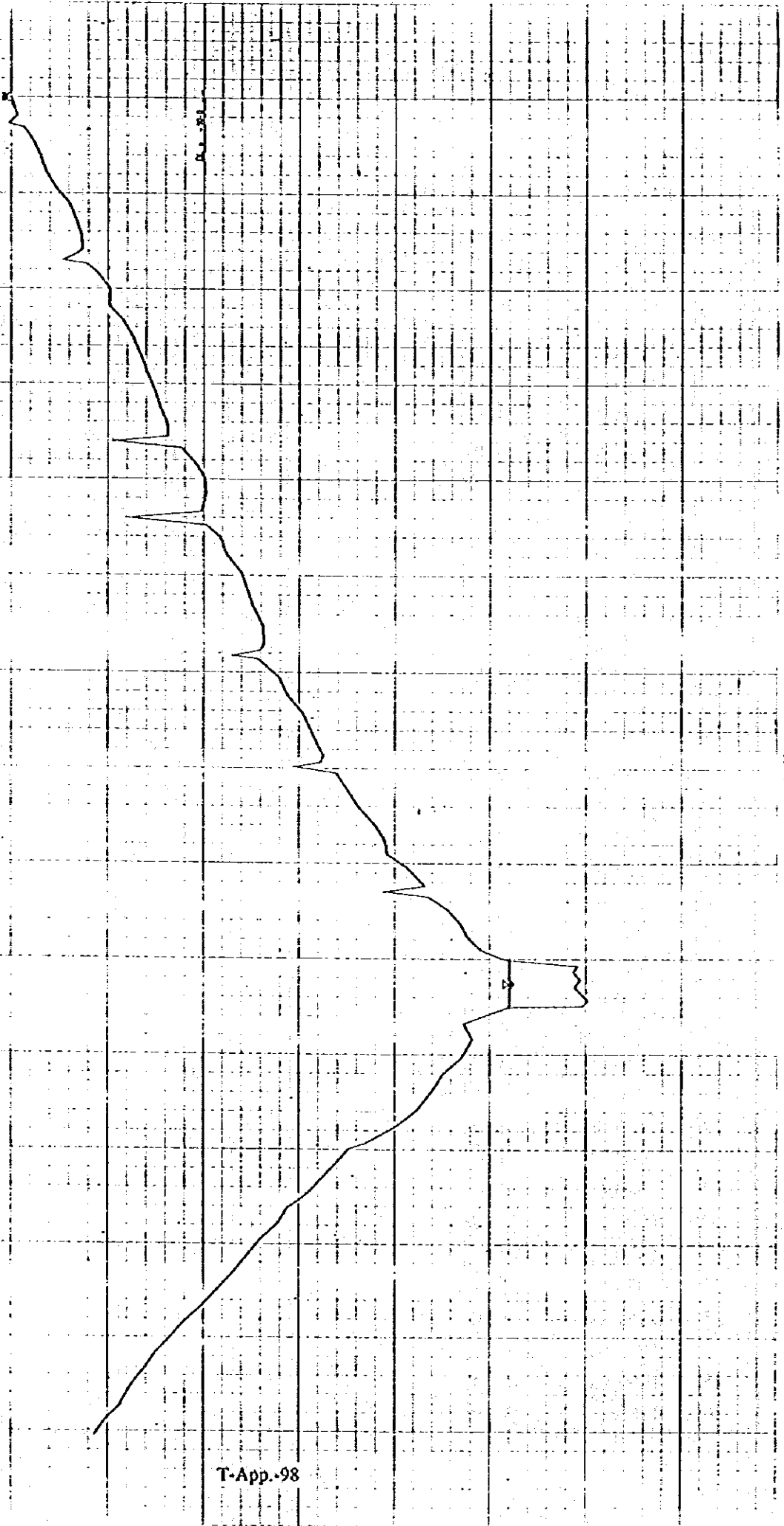
DAM AXIS PROFILE DATA.

STATION : DAM No. 6 KAFUE				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
TP.5	0	0		27	1127.82	-16.34	
1	834.34	-21.75	Ant Hill Finished.	28	1144.67	-15.45	
2	848.09	-22.81		29	1154.03	-15.00	
3	863.19	-23.52		30	1162.34	-14.59	
4	877.13	-23.79		31	1179.77	-13.93	
5	885.58	-23.40		32	1197.53	-13.01	
6	890.95	-24.49		33	1215.45	-12.17	
7	898.43	-25.50		34	1232.69	-11.47	
				35	1249.88	-10.65	
TP.6	0	0		36	1266.64	-9.91	
1	900.36	-26.04	Water Surface.	37	1283.23	-9.03	
2	900.37	-26.43		38	1301.83	-8.16	
3	904.37	-28.78		39	1317.95	-7.51	
4	908.37	-29.63		40	1335.36	-6.86	
5	912.37	-29.43		41	1352.41	-6.22	
6	916.37	-29.43		42	1370.74	-5.66	
7	920.37	-29.63		43	1387.50	-4.85	
8	924.37	-29.63		44	1405.13	-4.33	
9	928.37	-29.33					
10	932.37	-25.53					
11	936.37	-29.73					
12	940.37	-30.03					
13	944.37	-30.13					
14	948.37	-29.83					
15	950.69	-26.04	Water Surface.				
16	950.70	-26.28					
17	955.39	-24.17					
18	967.66	-23.60					
19	983.67	-24.07					
20	1002.66	-23.62					
21	1020.86	-22.66					
22	1038.56	-21.99					
23	1057.47	-21.20					
24	1074.91	-20.09					
25	1092.94	-18.64					
26	1109.85	-17.60					

Appendix 6 (41)

NO. 6 DAM AXIS PROFILE

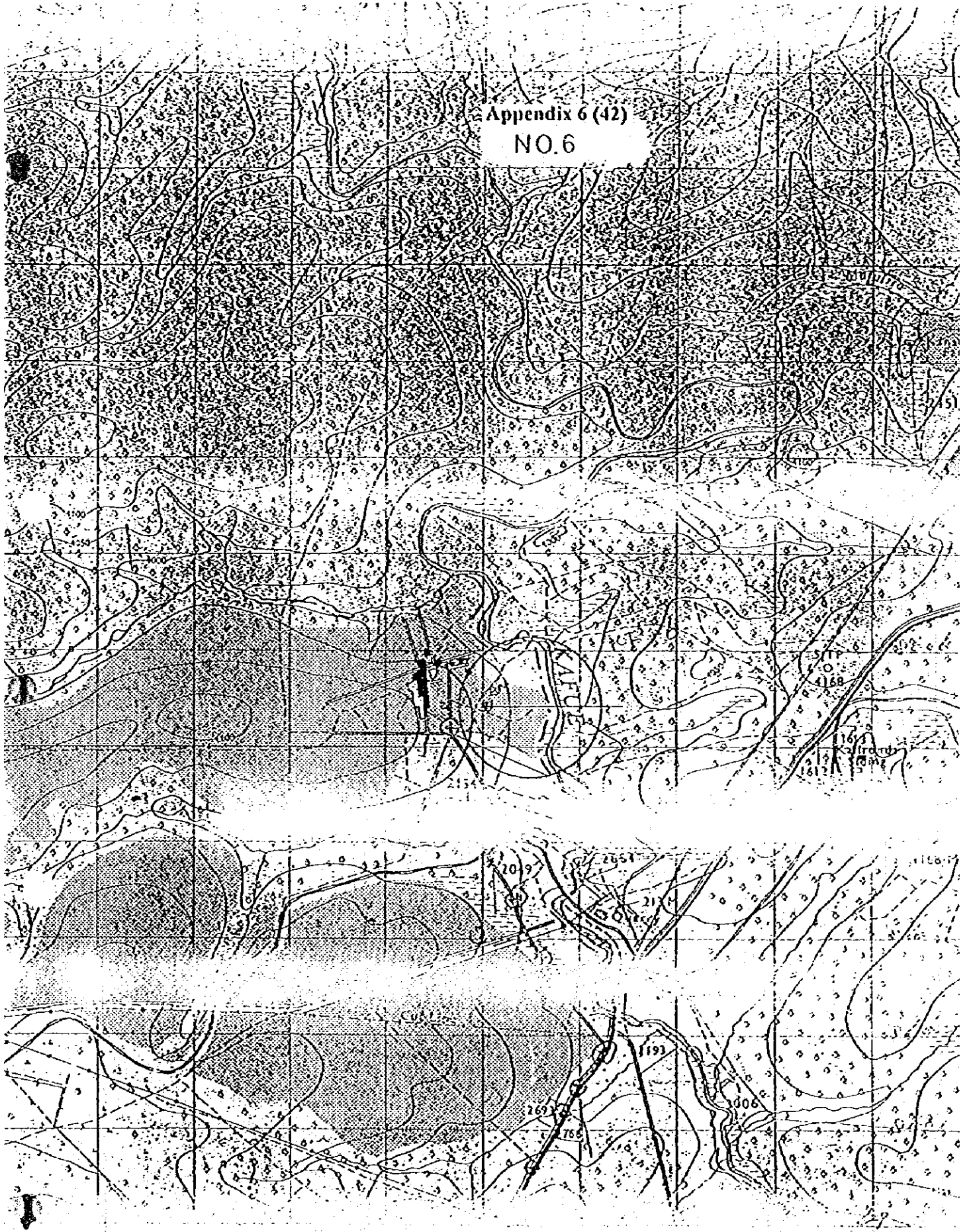
SCALE
V = 1:100
H = 1:2000
DM-0-0



T-App.-98

Appendix 6 (42)

NO. 6



Appendix 6 (43)

DAM AXIS PROFILE DATA.

STATION : DAM No. 7 MUTUNDU.				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0					
1	2.86	-0.69	Ant Hill				
2	8.74	-2.61	Ant Hill Finished.G.S.				
3	25.40	-1.48					
4	40.03	0.67	Garden End.				
5	48.78	2.03	Ant Hill Start.				
6	56.05	3.66					
7	62.21	3.04	Ant Hill Finished.				
8	79.21	4.40					
9	97.72	6.04					
10	115.60	7.92					
11	134.08	9.69					
12	153.50	11.20					
13	172.14	11.61					
14	184.22	12.57					
15	192.76	13.00					
16	215.40	14.53					
17	223.10	14.86					

Appendix 6 (44)

DAM AXIS PROFILE DATA.

STATION : DAM No. 7 MUTUNDU.				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		5	318.95	4.12	
1	1.72	0.02	Ant Hill.	6	332.72	4.76	
2	7.43	-3.04	End of Ant Hill.	7	333.54	6.23	
3	20.22	-4.85		8	339.20	6.05	
4	38.55	-5.26		9	356.54	5.65	
5	57.70	-5.22		10	361.55	5.90	Foot Path.
6	75.95	-4.93					
7	84.13	-5.02					
TP.1	0	0					
1	88.03	-6.47					
2	88.54	-6.91	Water Surface.				
3	88.82	-8.17					
4	90.93	-8.25					
5	92.73	-8.29					
6	95.58	-8.08					
7	95.69	-6.91	Water Surface.				
8	96.13	-6.32					
9	103.44	-5.62					
10	119.73	-4.56					
11	136.23	-4.57					
12	151.78	-4.52					
13	170.83	-4.42					
14	190.03	-4.03					
15	208.73	-3.20					
16	227.38	-2.47					
17	242.54	-1.23	Ant Hill Start.				
18	249.94	2.97	Ant Hill Start.				
19	255.61	4.25	Ant Hill Start.				
20	257.70	5.01	Ant Hill Start.				
TP.2	0	0					
1	259.68	4.55	Ant Hill.				
2	263.41	0.93	Ant Hill End.				
3	281.81	2.03					
4	301.69	3.05					

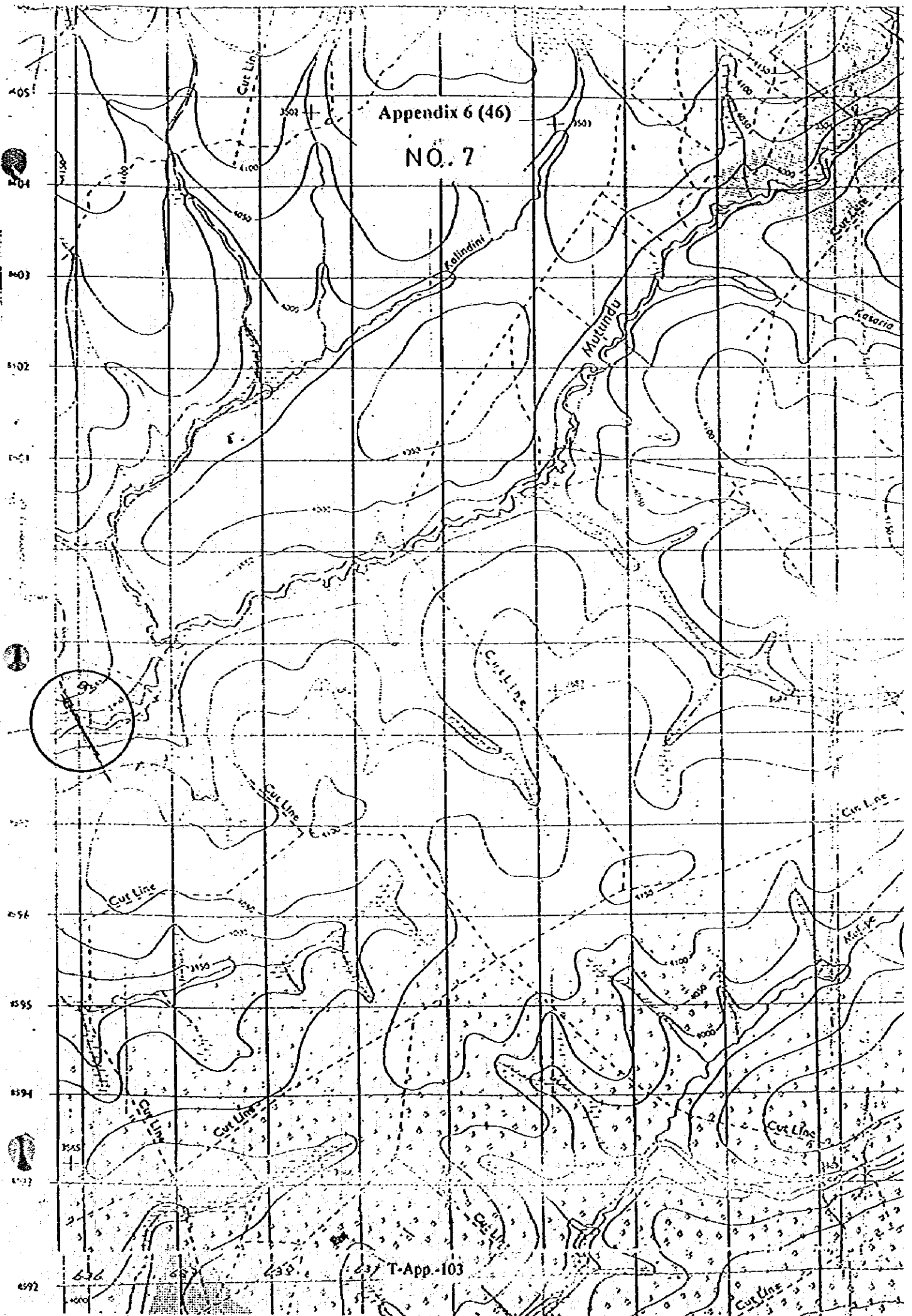
Appendix 6 (45)

NO. 7 DAM AXIS PROFILE
Scale: V=1:100
H=1:1000
BM: 91.8



Appendix 6 (46)

NO. 7



Appendix 6 (48)

DAM AXIS PROFILE DATA.

STATION : DAM No. 9-1 LUFUPA.				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		2	303.03	-13.02	
1	15.90	-1.95		3	321.18	-11.73	Farm End.
2	35.19	-4.37		4	337.14	-9.40	
3	53.61	-7.22		5	350.20	-5.33	
4	77.64	-12.06		6	363.08	-1.08	
				7	379.50	3.68	
TP 1.	0	0		8	388.30	11.78	
1	83.95	-14.53					
TP 2.	0	0					
1	88.61	-17.07					
2	100.04	-28.12	Water Surface.				
3	100.03	-28.19					
4	102.57	-28.44					
5	104.54	-28.61					
6	107.68	-28.71					
7	110.48	-28.56					
8	112.92	-28.66					
9	116.32	-28.40					
10	116.56	-28.12	Water Surface.				
11	119.11	-27.76					
12	123.12	-26.91					
TP 3.	0	0					
1	140.76	-25.11					
2	158.72	-23.81					
3	175.66	-22.64					
4	192.70	-21.27					
5	210.76	-19.63					
6	227.00	-18.28					
7	242.59	-17.19					
8	259.42	-15.88					
9	276.60	-14.92					
TP 4.	0	0					
1	283.81	-14.59	Farm Start.				

Appendix 6 (49)

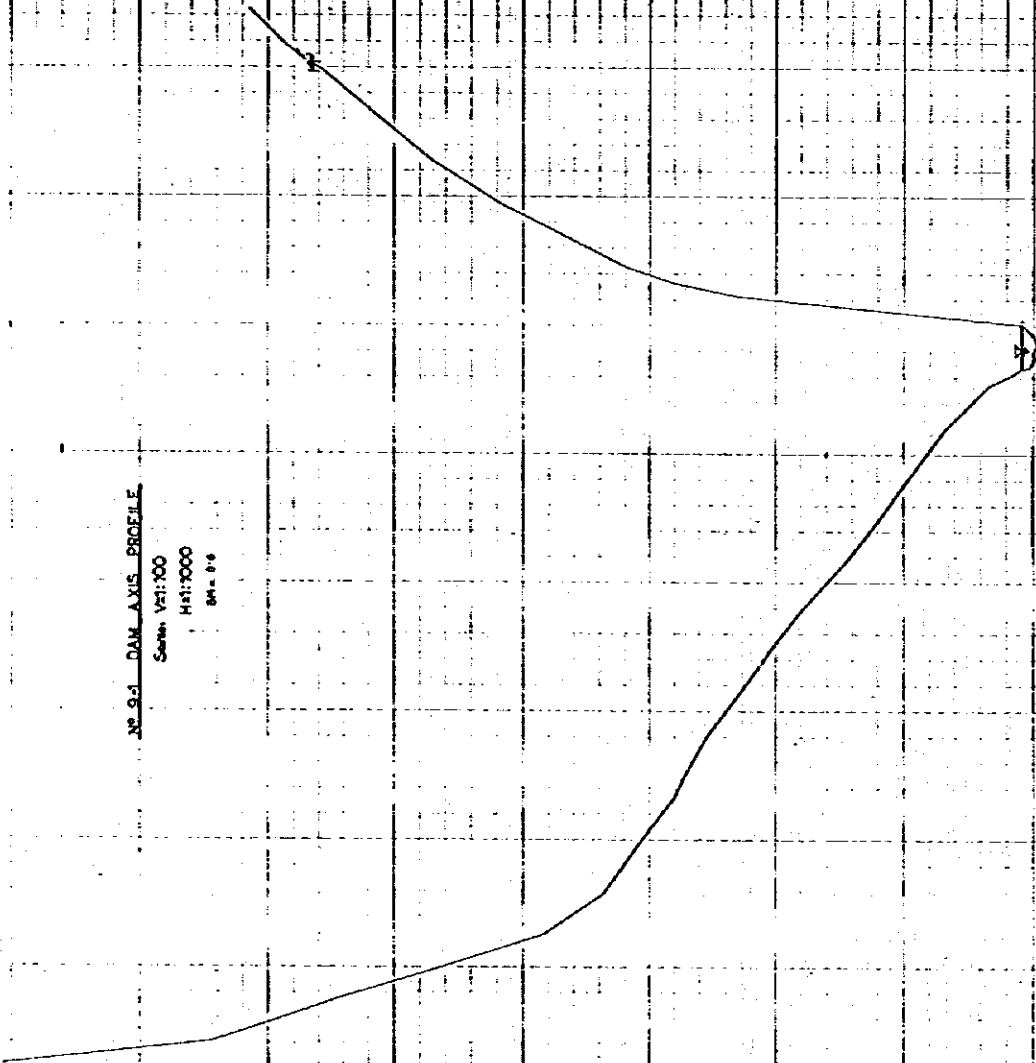
NO. 9-1 DAM AXIS PROFILE

Scale: V:1:100

H:1:1000

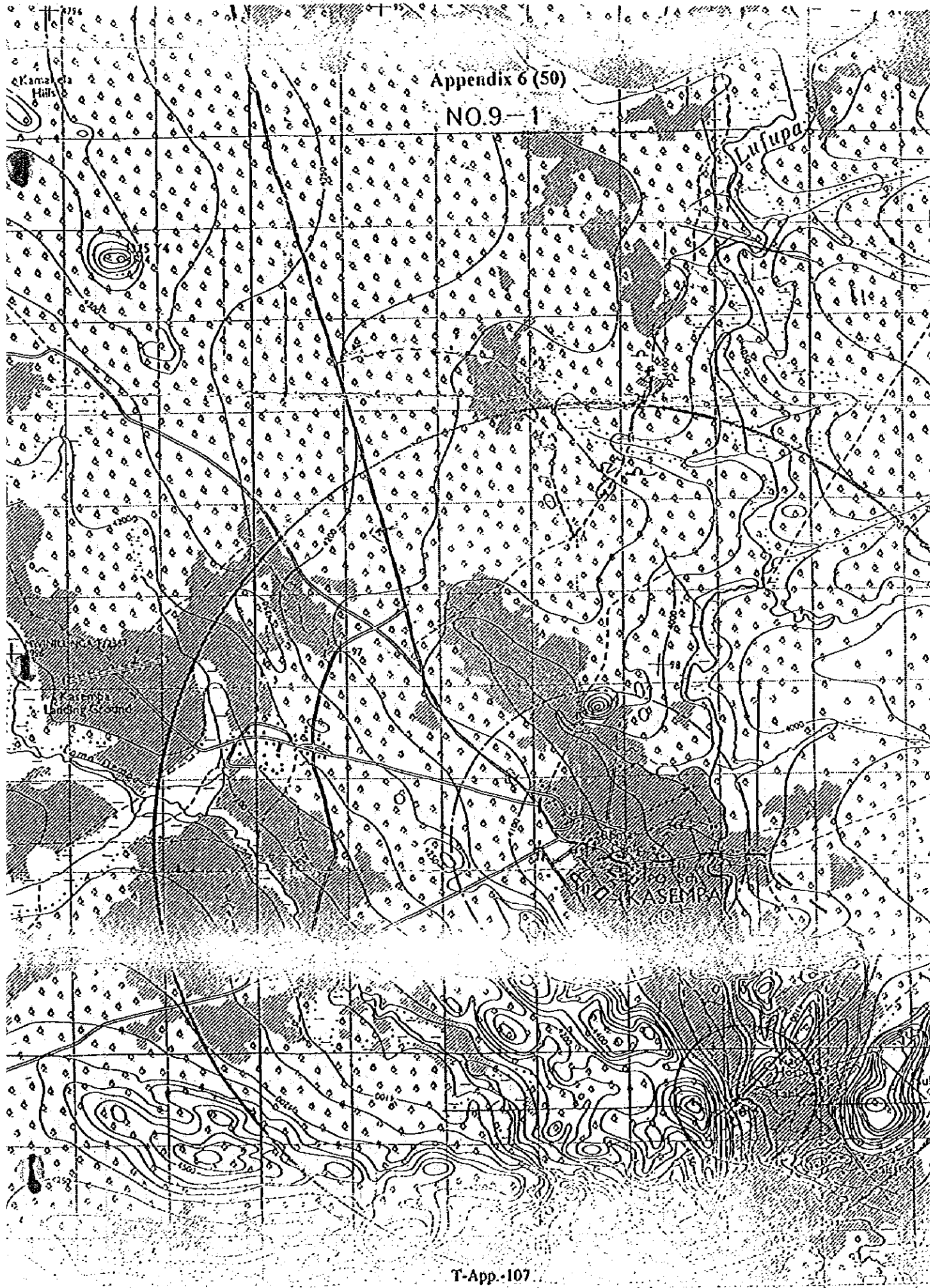
DA = 0.16

0.16



Appendix 6 (50)

NO.9-1



T-App-107

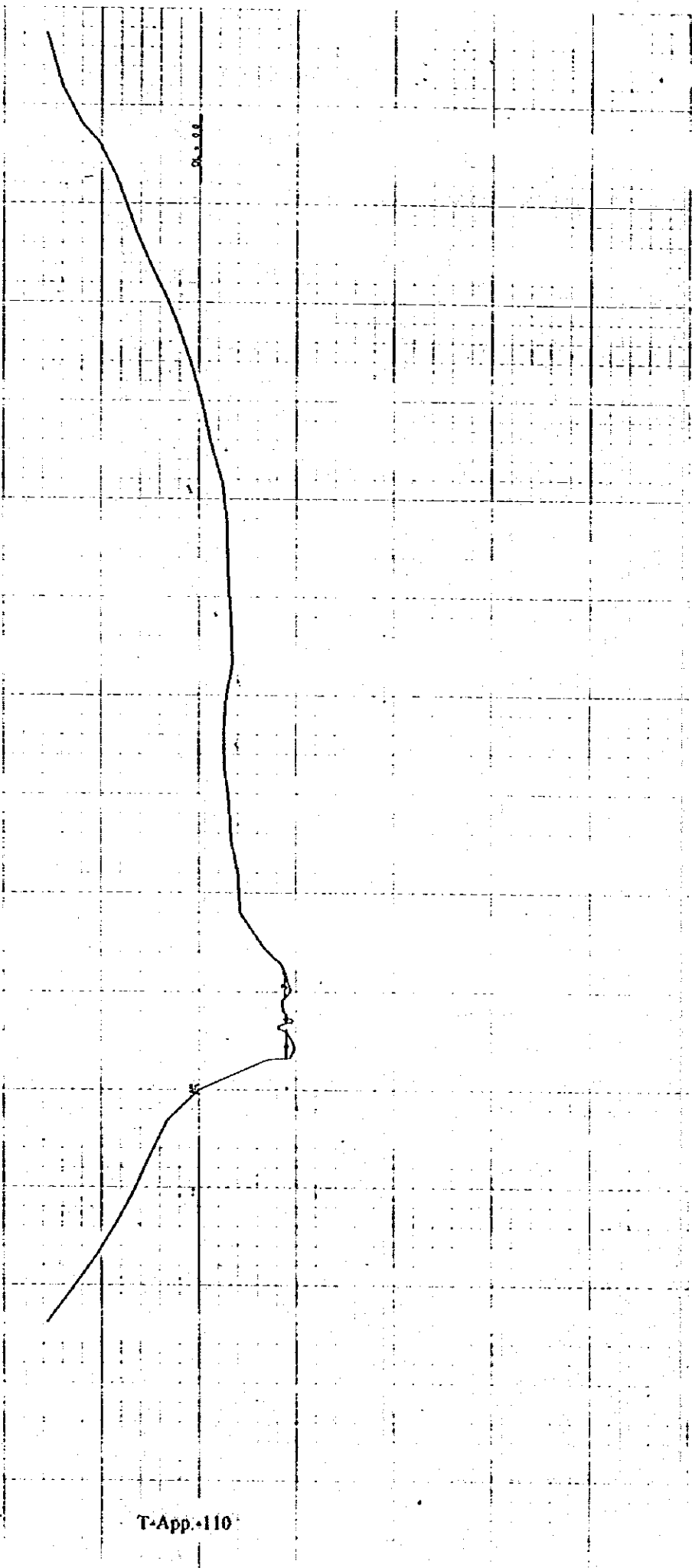
Appendix 6 (51)

DAM AXIS PROFILE DATA.

STATION : No. 9-2 LUFUPA.				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		4	146.73	-1.48	
1	15.03	-3.54		5	164.56	-1.34	
2	16.18	-4.50	Water Surface.	6	182.12	-1.29	
3	16.21	-4.73		7	199.02	-1.35	
4	21.06	-4.89		8	215.72	-1.67	
5	24.69	-4.78		9	231.87	-1.60	
6	28.30	-4.64					
7	30.34	-4.49	Water Surface.	TP 2	0	0	
8	31.26	-4.08		1	250.08	-1.57	
9	33.69	-4.42		2	269.64	-1.52	
10	33.95	-4.50	Water Surface.	3	288.96	-1.40	
11	33.99	-4.75		4	307.99	-1.19	
12	36.58	-4.51	Water Surface.	5	327.67	-0.63	
13	36.60	-4.57		6	346.36	-0.25	
14	36.97	-4.48		7	365.77	0.42	
15	38.25	-4.51		8	385.44	0.96	
16	41.15	-4.30		9	403.35	1.76	
17	43.69	-4.36		10	417.29	2.44	
18	46.13	-4.31		11	433.79	3.24	
19	47.24	-4.42	Water Surface.	12	453.39	4.20	
20	47.68	-4.61		13	417.19	5.07	
21	51.00	-4.74		14	489.89	5.98	
22	54.43	-4.58		15	509.39	6.93	
23	57.38	-4.50		16	527.14	7.80	
24	61.23	-4.42	Water Surface.				
25	61.27	-4.29					
26	61.29	-4.34					
27	64.90	-4.33					
28	67.52	-4.23					
29	68.42	-3.68					
30	72.57	-3.32					
TP 1	0	0					
1	90.45	-2.16					
2	109.14	-2.04					
3	127.58	-1.67					

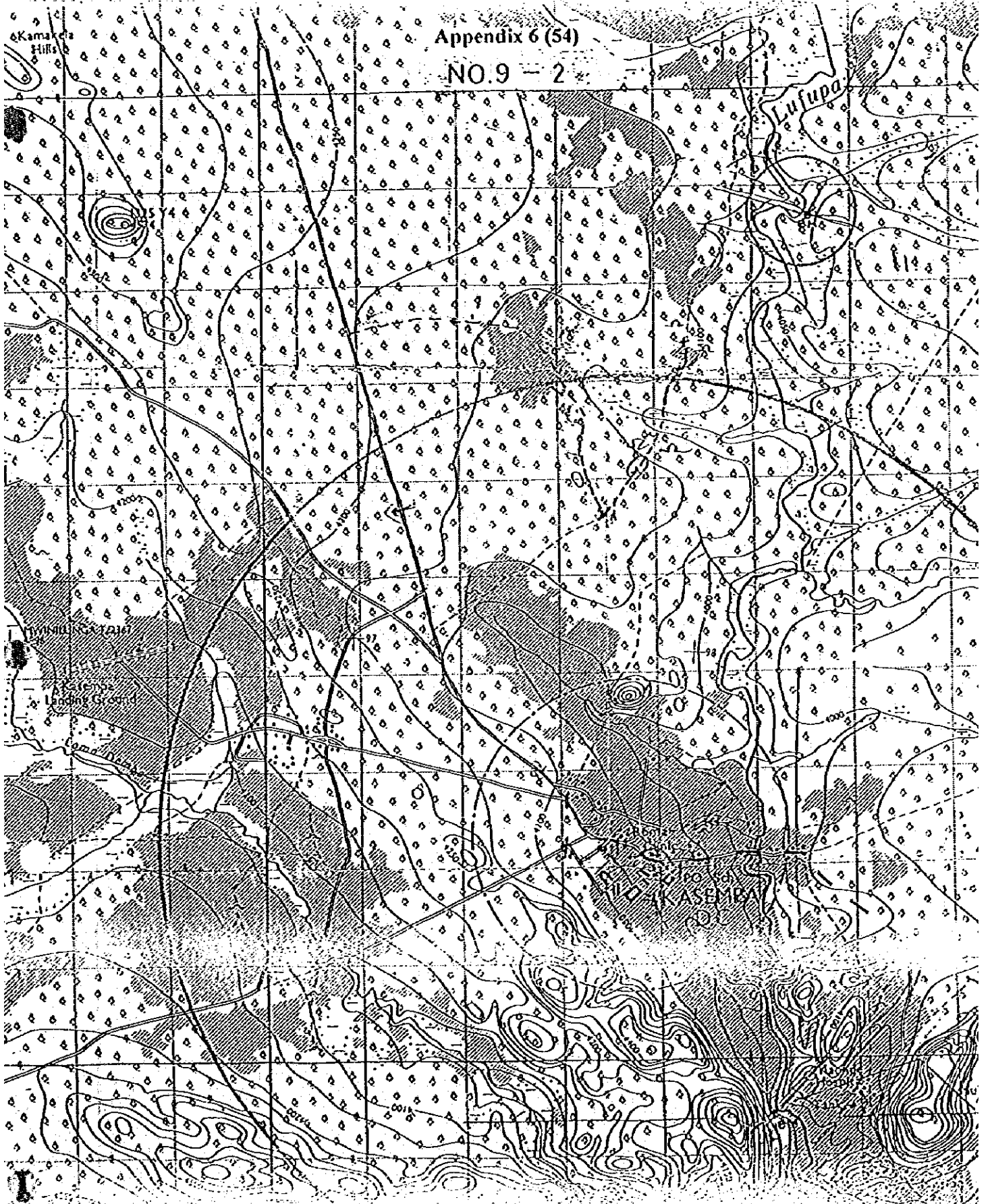
NO. 9-2 9 AM AXLS PROFILE

SCALE V-1100
H-11000
M-00



Appendix 6 (54)

NO. 9 - 2



Appendix 6 (55)

DAM AXIS PROFILE DATA.

STATION : DAM No. 10 KAFUBU				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		8	347.09	15.67	Ant Hill.
1	7.86	-0.33		9	354.16	17.74	
2	19.40	-0.78					
				TP 3.	0	0	
TP 1.	0	0		1	360.59	15.52	Ant Hill.
1	21.78	-0.18		2	375.08	16.08	
2	22.43	-1.58	Water Surface.	3	391.51	16.64	
3	25.43	-2.33		4	409.57	18.13	
4	28.43	-2.48		5	428.25	18.15	
5	31.43	-2.78		6	447.69	18.89	
6	33.76	-1.56	Water Surface.	7	465.71	19.55	
7	35.25	-0.86		8	484.38	20.18	
8	43.61	-0.80		9	502.99	20.88	
9	46.71	-1.26		10	519.89	21.44	
10	54.89	-0.53		11	527.48	21.64	
11	70.55	0.46					
12	85.22	0.97					
13	101.20	2.15					
14	118.03	3.46					
15	134.37	4.59					
16	150.41	5.95					
17	167.23	6.64					
18	186.02	7.61					
19	197.80	8.09					
20	210.57	8.70					
21	229.68	9.41					
22	249.40	10.13					
TP 2.	0	0					
1	269.10	10.95					
2	287.24	11.65					
3	300.54	12.21					
4	303.31	13.31	Ant Hill Start.				
5	305.28	14.05					
6	314.19	14.03	Ant Hill Ends.				
7	332.47	14.73					

Appendix 6 (56)

DAM AXIS PROFILE DATA.

STATION : DAM No. 10 KAFUBU				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		2	398.15	22.01	
1	11.47	-0.01		3	417.56	22.87	
2	25.20	0.42		4	437.85	23.73	
3	39.20	1.30		5	457.07	24.39	
4	55.13	2.04		6	465.38	24.69	
5	69.14	2.56		7	483.21	24.30	
6	87.90	3.56		8	491.24	25.64	
7	103.67	4.30		9	507.94	26.34	
8	112.95	4.93					
9	123.67	5.61					
10	139.74	6.53					
11	155.87	7.68					
12	171.33	9.03					
13	187.79	10.13					
14	197.24	12.33	Ant Hill Start.				
15	196.94	14.48					
16	200.00	16.15					
TP 1.	0	0					
1	205.53	14.75	Ant Hill.				
2	210.02	12.16	Ant Hill Finished.				
3	221.87	12.31					
4	238.36	13.16					
5	255.16	13.87					
6	217.64	14.80					
7	288.28	15.71					
8	303.76	16.78					
9	319.33	18.21					
10	337.89	19.15					
11	344.18	19.46					
12	347.94	18.76					
13	352.57	19.62					
14	363.77	20.23					
TP 2.	0	0					
1	382.86	21.21					

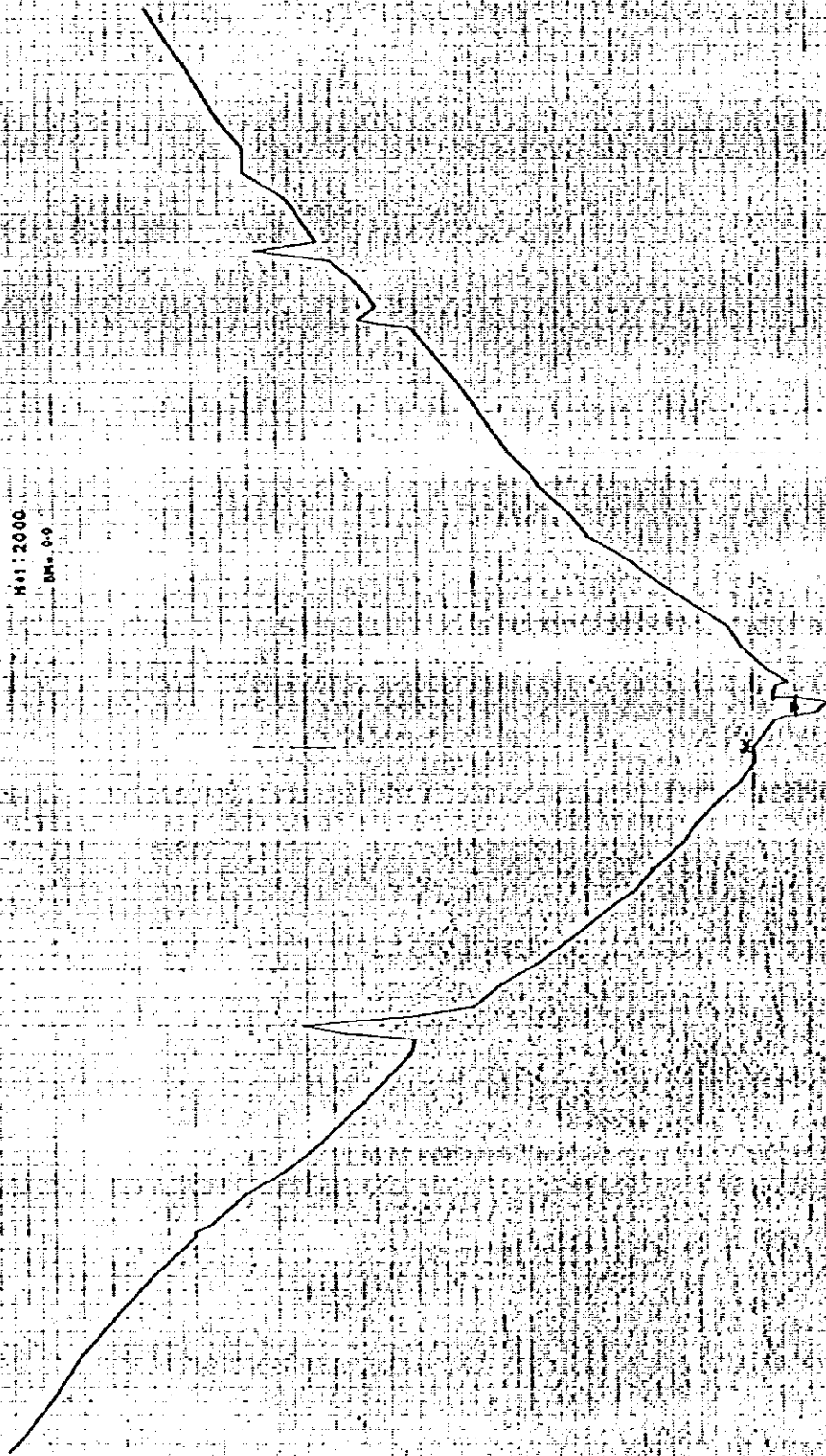
Аррених в (с/)

№ 10 DAM AXIS PROFILE

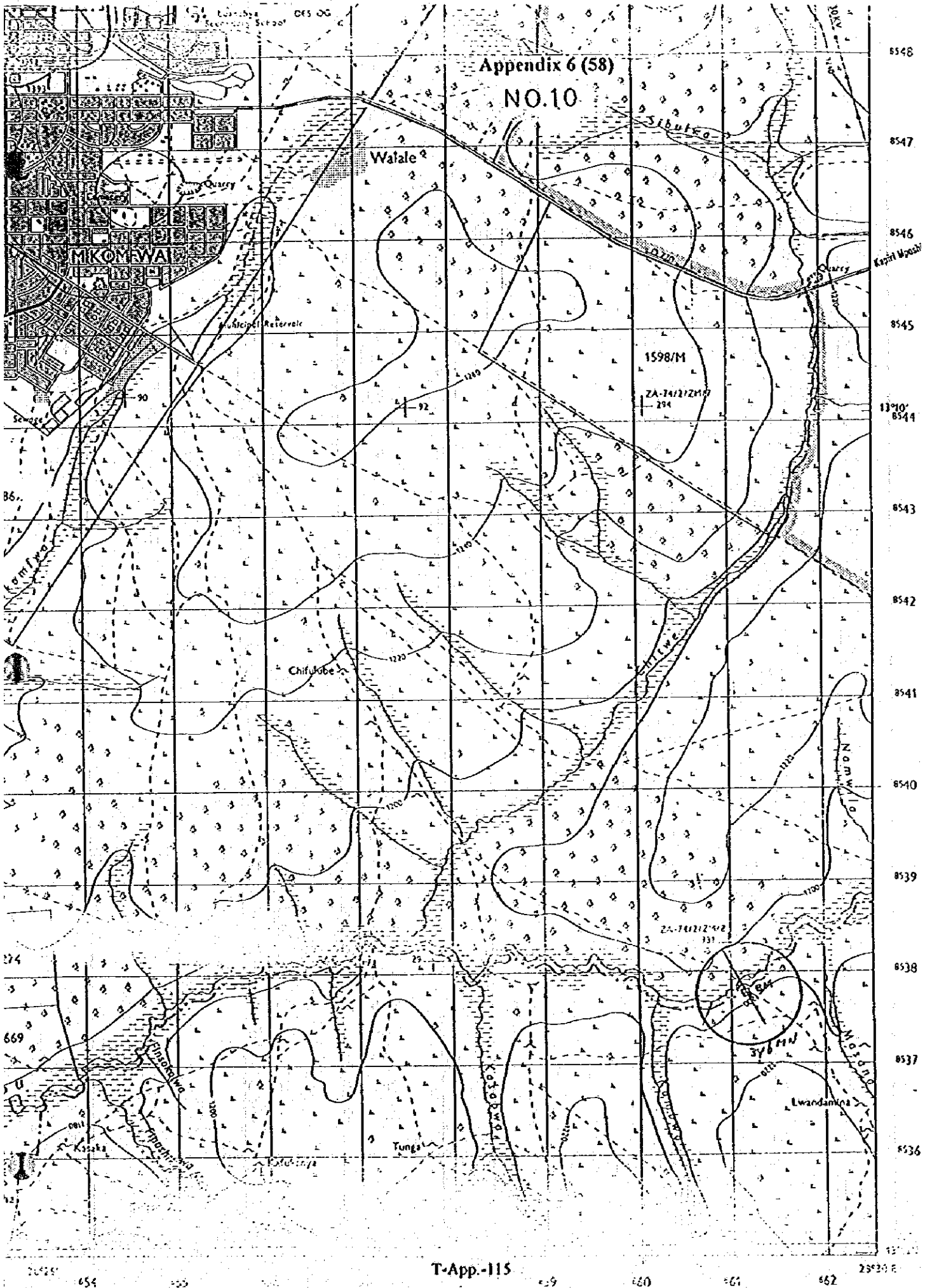
SCALE H:V = 1:100

H:V = 1:2000

DMA: 0-0



20.0000



Appendix 6 (58)
NO.10

Appendix 6 (59)

DAM AXIS PROFILE DATA.

STATION : No. 11 LUSEMFA				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		11	78.85	-11.09	
1	2.63	-0.14		12	79.45	-11.16	
2	2.69	-0.23	Road Start.	13	80.55	-11.47	
3	5.23	-0.32	Road End.	14	81.35	-11.57	
4	5.78	-0.22		15	82.45	-11.47	
5	10.93	-0.48		16	83.45	-11.42	
6	11.31	-0.59		17	84.35	-11.23	
7	14.36	-0.82		18	85.15	-11.11	
8	17.95	-0.90		19	86.15	-10.76	
9	21.87	-1.08		20	86.67	-10.38	
10	23.59	-1.38		21	87.46	-9.56	Water Surface.
11	29.42	-1.70		22	89.35	-9.08	
12	34.87	-2.14		23	92.03	-8.66	
13	40.24	-2.44		24	97.65	-8.06	
14	44.85	-2.61		25	108.59	-8.36	
15	46.81	-2.85		26	112.12	-8.90	
16	48.87	-3.29		27	115.81	-8.78	
17	52.79	-3.58		28	122.84	-8.41	
18	52.80	-3.59	Road Start.	29	129.93	-8.65	
19	58.11	-4.10	Road End.	30	142.31	-8.04	
20	61.91	-4.62		31	156.75	-6.96	
21	63.80	-4.55		32	169.37	-5.92	
22	65.03	-4.92		33	180.87	-4.84	
23	67.29	-5.61		34	194.43	-3.85	
				35	205.05	-3.13	
TP. 1	0	0		36	215.28	-2.74	
1	69.35	-6.15		37	223.73	-2.38	
2	72.29	-6.81		38	236.49	-1.94	
3	72.48	-7.17		39	250.80	-1.36	
4	73.18	-7.27		40	260.78	-0.97	
5	74.06	-8.30		41	269.77	-0.60	
6	74.41	-8.49		42	276.93	-0.16	
7	75.01	-9.29					
8	75.76	-9.56	Water Surface.				
9	76.95	-10.44					
10	78.45	-10.78					

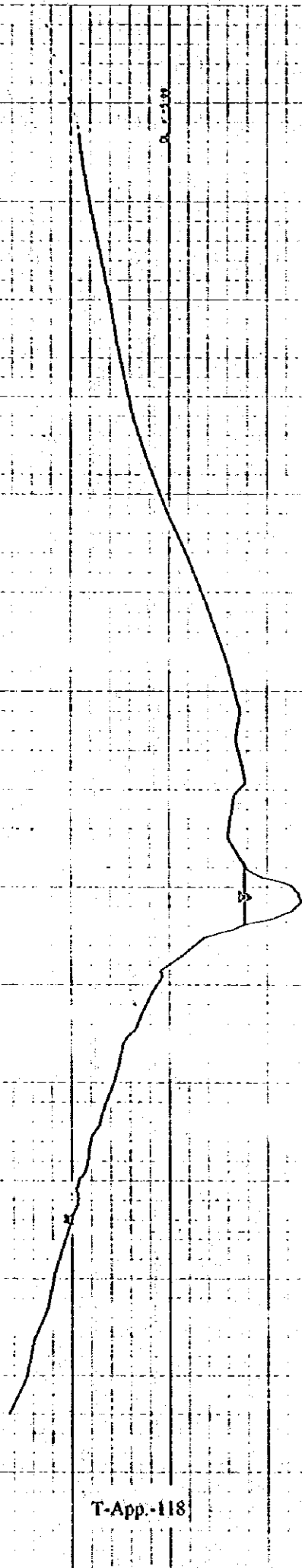
Appendix 6 (61)

NO. 11 DAM AXIS PROFILE

Scale: V=1/100

H=1/500

BM = 0+0



8495

8494

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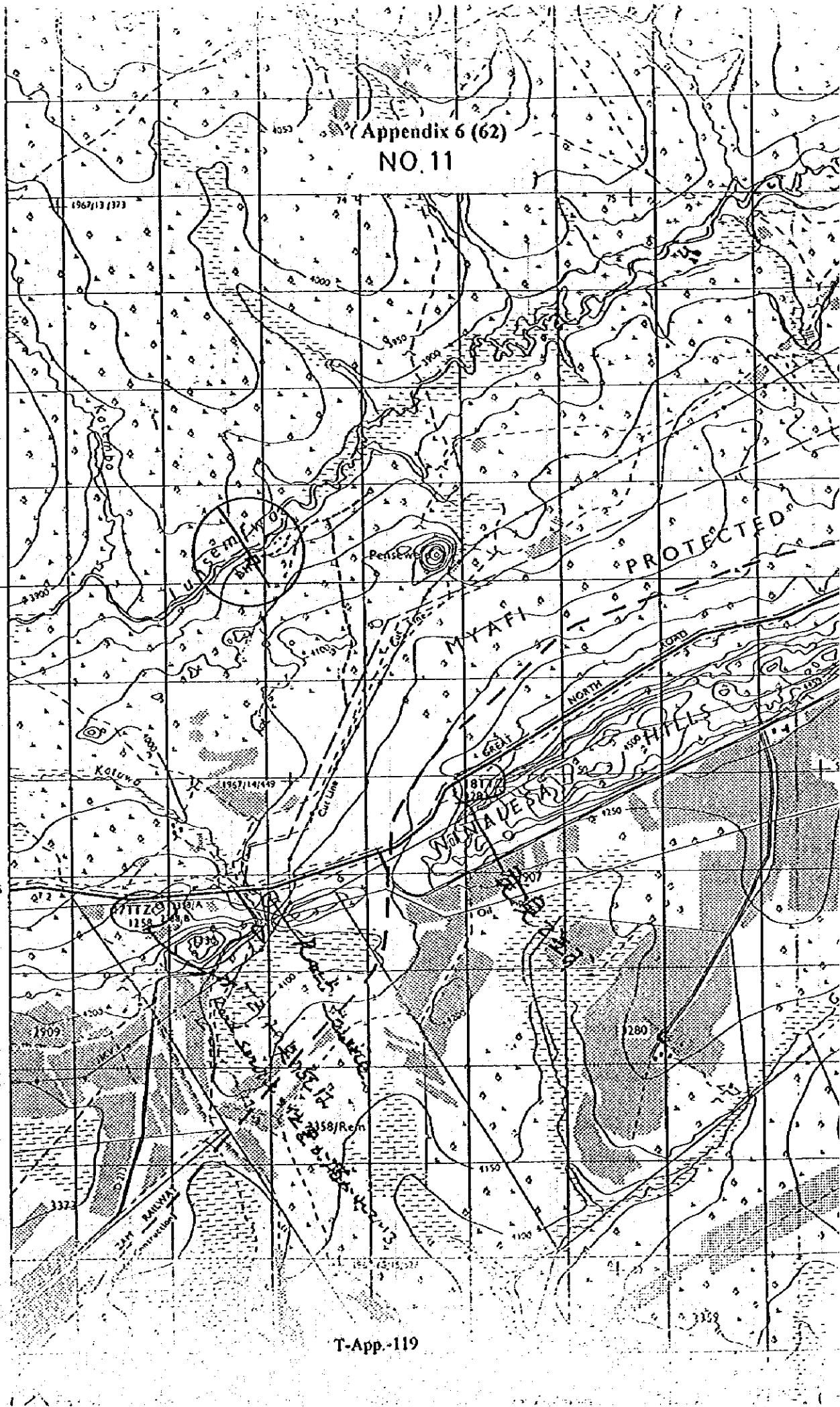
8485

8484

8483

(Appendix 6 (62)

NO. 11



Appendix 6 (63)

DAM AXIS PROFILE DATA.

STATION : No. 12. MWOMBOSHI				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0					
1	11.93	0.61					
2	30.98	2.23					
3	49.11	3.69					
4	66.81	5.13					
5	85.08	6.55					
6	100.84	8.18					
7	117.19	9.79					
8	134.75	11.75					
9	151.78	12.66					
10	167.14	13.63					

Appendix 6 (64)

DAM AXIS PROFILE DATA.

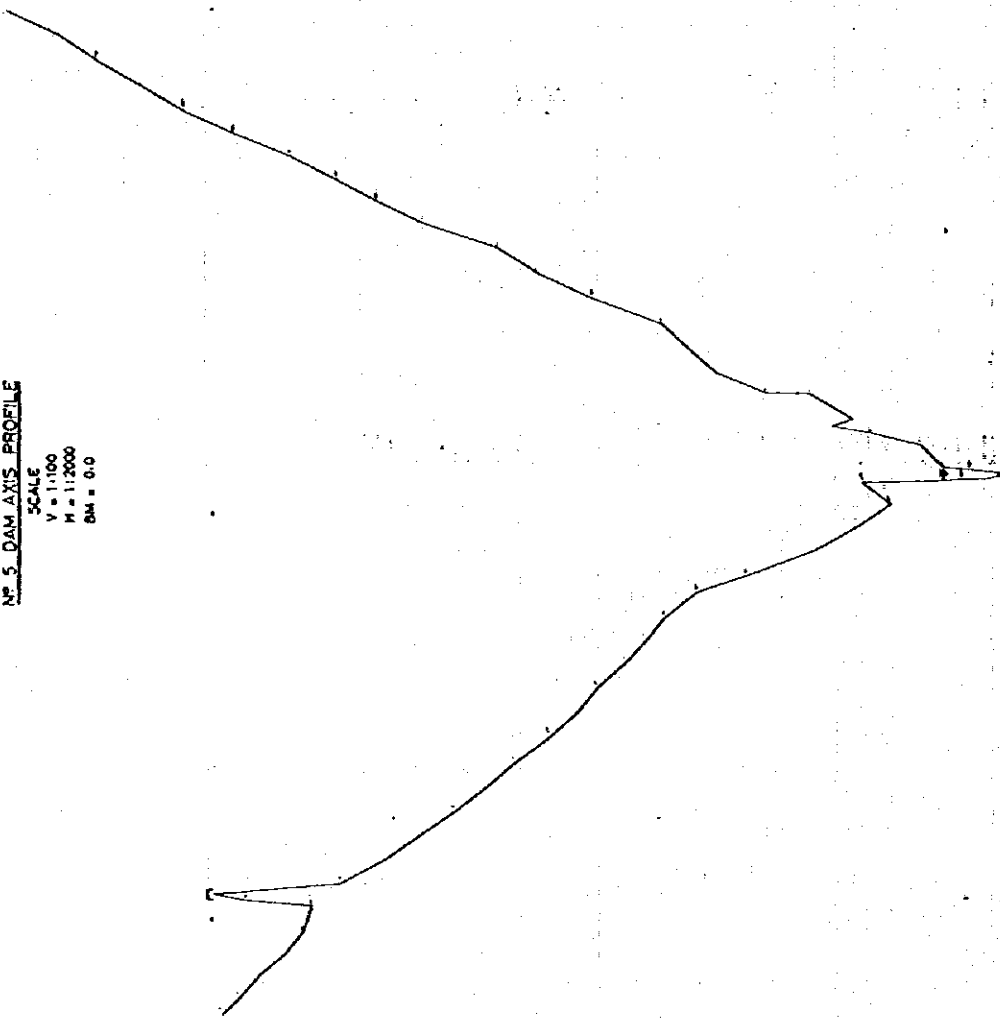
STATION : No. 12. MWOMBOSHI				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0					
1	11.10	-1.13					
2	28.27	-1.99					
3	47.23	-3.00					
4	63.77	-5.07					
5	65.28	-5.42					
TP. 1	0	0					
1	68.00	-6.15					
2	74.62	-6.38					
3	81.65	-6.75					
TP. 2	0	0					
1	83.55	-7.16					
2	85.53	-9.07	Water Surface.				
3	88.95	-9.26					
4	90.28	-8.36					
5	98.66	-9.07	Water Surface.				
6	100.80	-7.27					
7	109.58	-5.86					
8	125.50	-4.84					
9	135.90	-3.15					
10	154.48	-2.13					
11	163.95	-1.38	Road Start.				
12	167.84	-1.12	End of Road.				
13	186.20	-0.11					
14	204.15	0.69					
15	221.78	1.63					
16	239.75	2.44					
17	259.61	3.36					
18	277.23	3.94					
19	296.04	5.76					
20	313.90	6.62					
21	333.30	7.17					

Appendix 6 (65)

Nº 5. DAM AXIS PROFILE

SCALE
V = 1:100
H = 1:2000
GM = 0.0

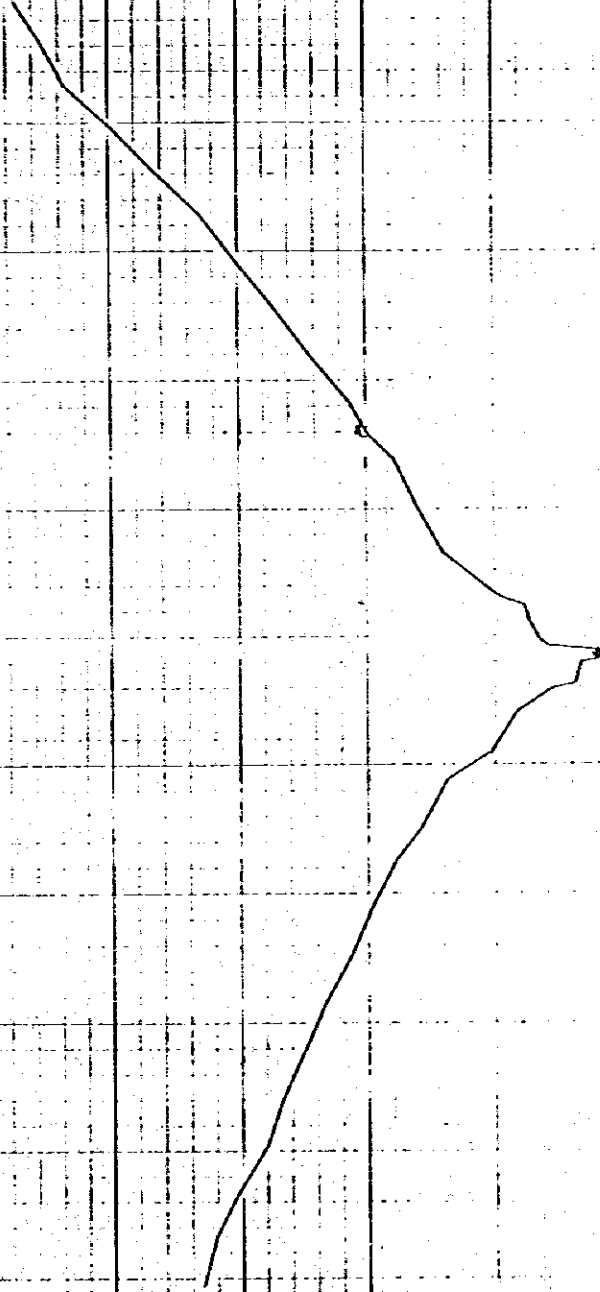
PL 0.00



Appendix 6 (66)

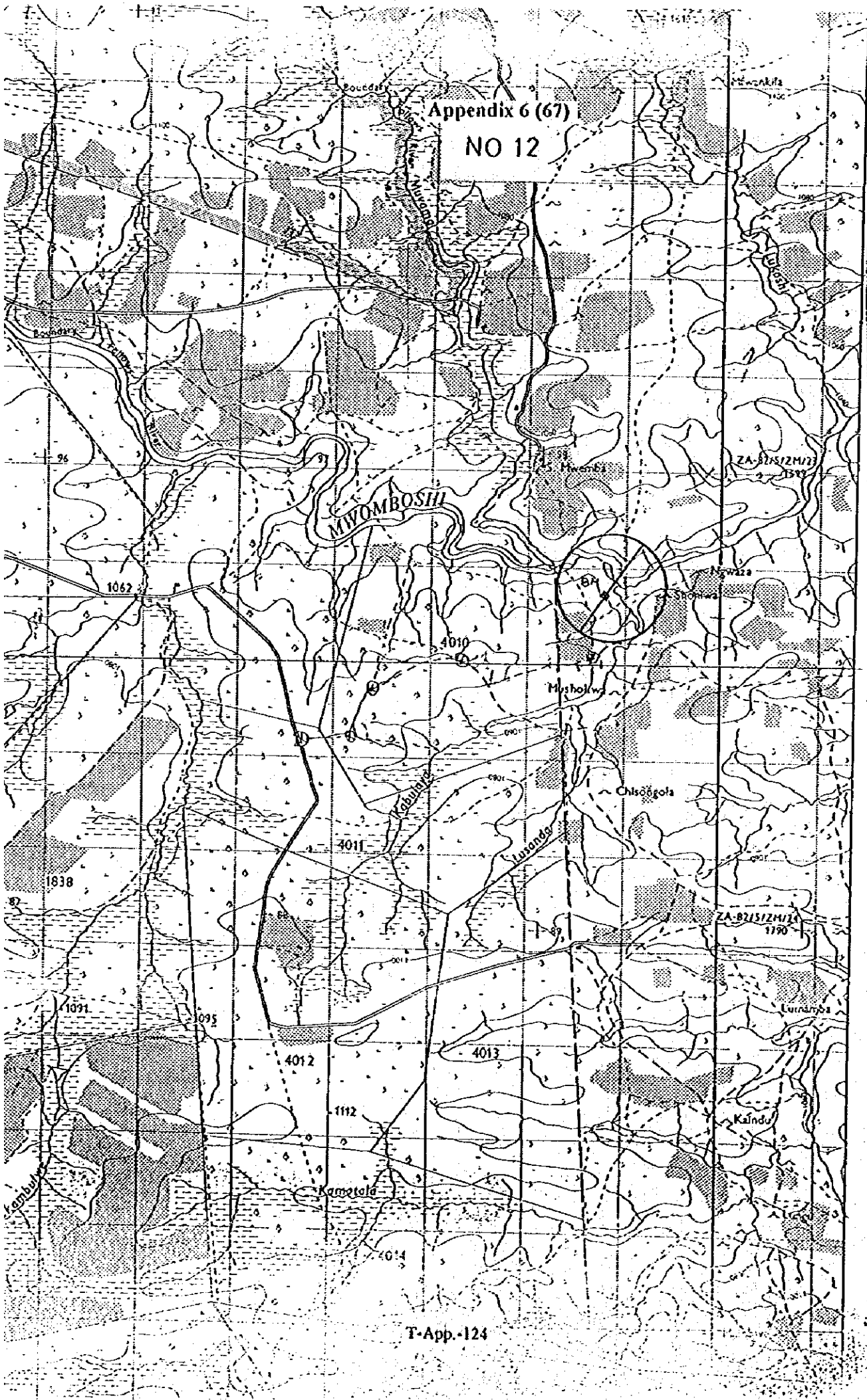
NO 2 DAM AXIS PROFILE

Scale: V=1/100
H=1/1000
Dist=1/4



0.00

Appendix 6 (67)
NO 12



66
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8760
14°50'
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54

Appendix 6 (68)

DAM AXIS PROFILE DATA

STATION : DAM No.13 KAPYONGA				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0					
1	17.31	3.44					
2	35.68	10.11					
3	49.58	15.63					
4	63.08	21.70					

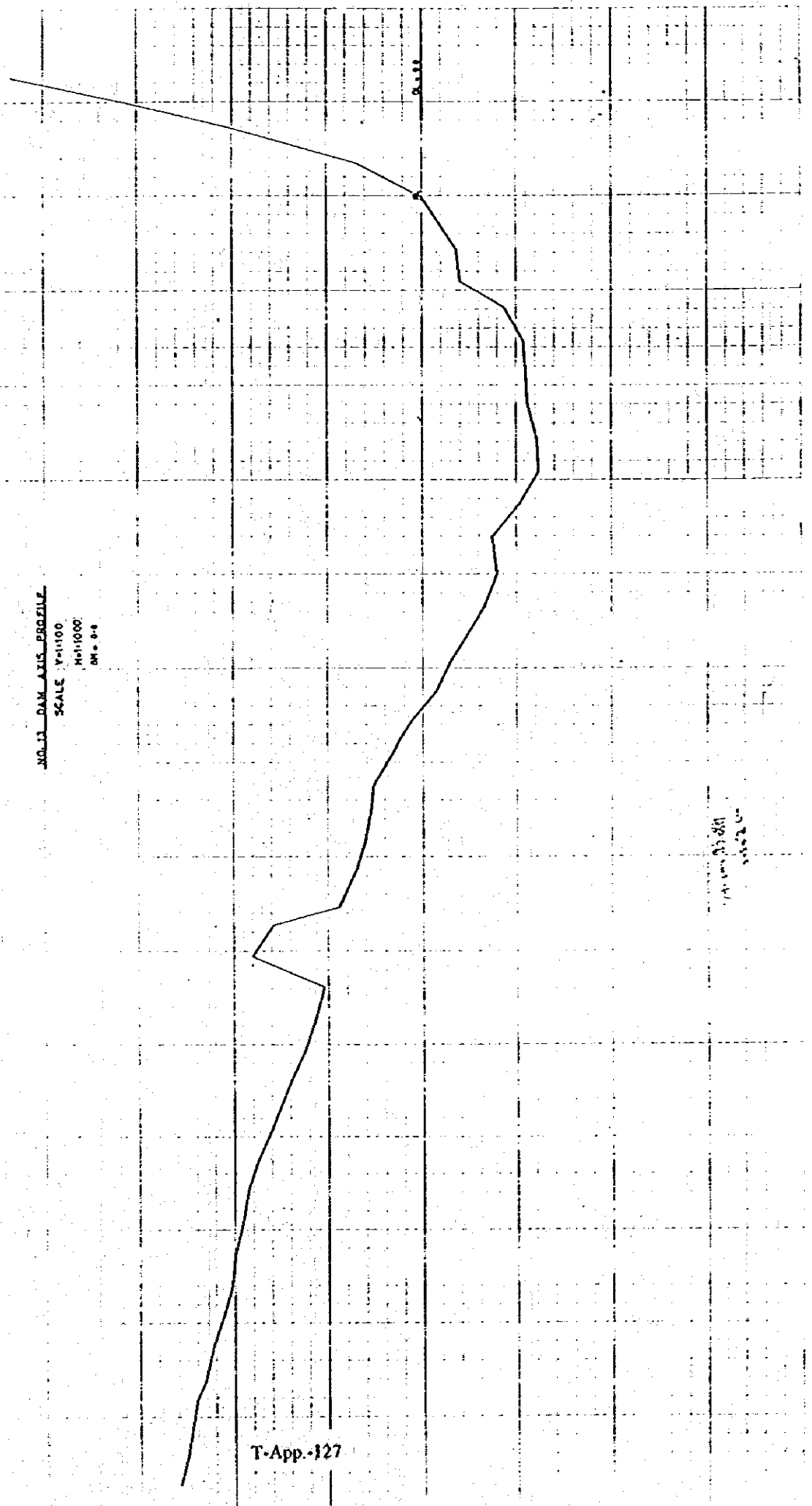
Appendix 6 (69)

DAM AXIS PROFILE DATA.

STATION : DAM No. 13 KAPYONGA.				(LEFT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	0		7	495.56	7.98	
1	16.86	-1.14		8	514.24	8.75	
2	28.75	-1.78		9	529.83	9.38	
3	46.33	-2.06	River Starts(dry).	10	547.46	9.58	
4	58.85	-4.39		11	564.79	9.99	
5	77.28	-5.43		12	580.72	10.24	
6	93.02	-5.50		13	597.27	10.64	
7	110.13	-5.62		14	613.28	11.15	
8	128.19	-6.11		15	632.28	11.63	
9	145.38	-6.17		16	651.48	12.01	
10	162.38	-5.24	River Ends.				
11	180.63	-3.73		TP 3	0	0	
12	198.83	-3.99		1	669.22	12.47	
13	216.63	-3.43		2	685.82	12.86	
14	228.28	-2.63		3	702.38	13.19	
				4	717.17	13.61	
TP 1	0	0		5	735.69	14.23	
1	246.32	-1.49		6	752.97	14.66	
2	262.66	-0.72					
3	277.81	0.62					
4	288.25	1.16	Road Start.				
5	294.25	1.46					
6	311.64	2.30					
7	327.49	2.76					
8	343.26	3.12					
9	358.35	3.52					
10	376.77	4.42	Ant Hill Start.				
11	381.58	6.31	Ant Hill Start.				
TP 2	0	0					
1	386.21	7.88	Ant Hill Finished.				
2	403.09	7.98					
3	419.00	5.20					
4	435.94	5.73					
5	453.45	6.27					
6	471.44	7.02					

Appendix 6 (70)

NO. 13 DAM AXIS PROFILE
SCALE V=1:100
H=1:1000
DM. 0+0



1/10/50 3/1/51
3/1/52

Appendix 6 (71)
NO.13

No. 42

HILLS

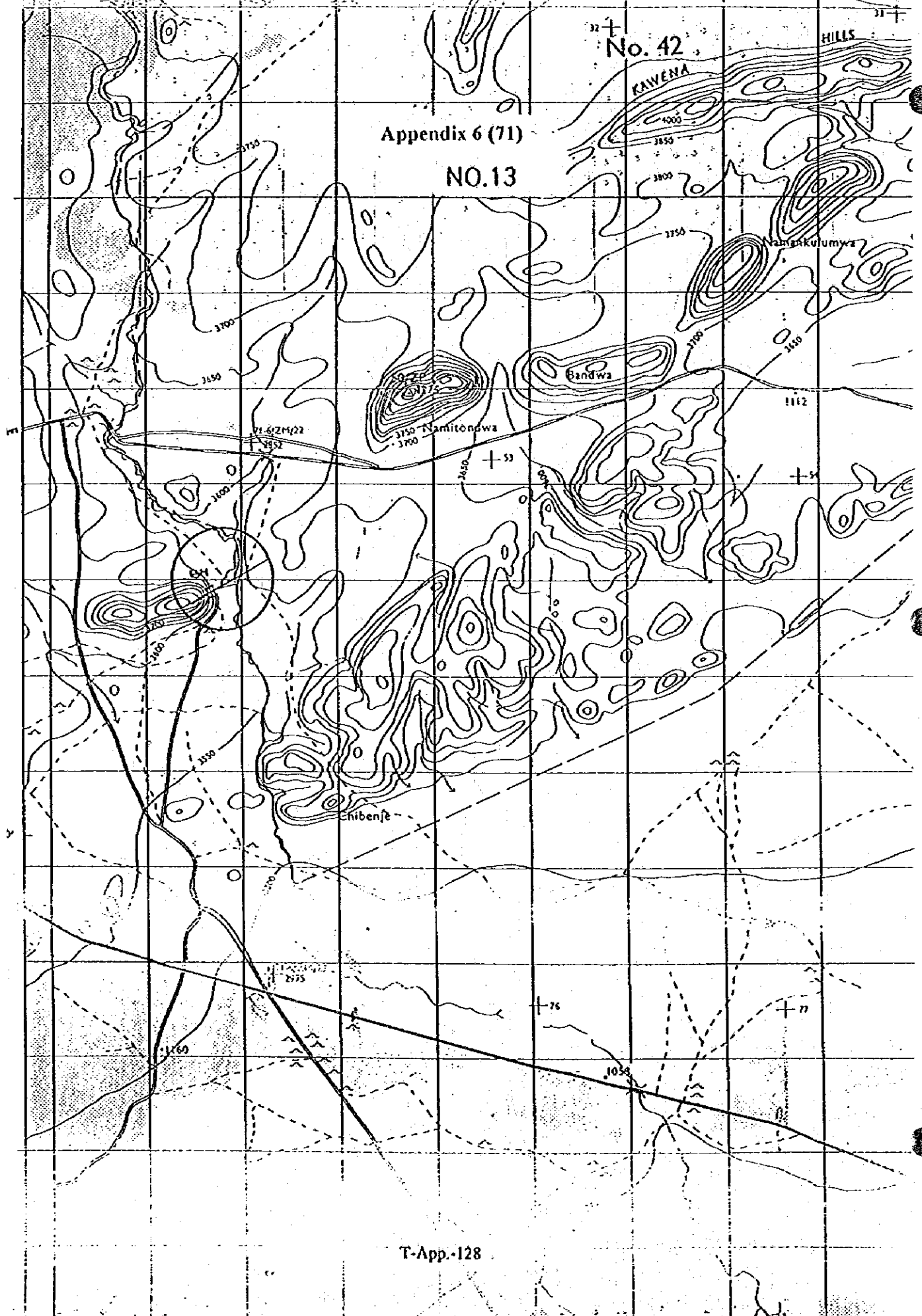
KAIVENA

Vamankulumwa

Bandwa

Namitonwa

Chibenje



Appendix 6 (72)

DAM AXIS PROFILE DATA.

STATION: No. 14 MUCHITO				(RIGHT)			
No.	D	H	Remark	No.	D	H	Remark
BM.	0	1119.75					
1	11.00	1119.17	Farm Starts.				
2	29.92	1118.83					
3	51.07	1118.63					
4	65.48	1118.54					
5	79.81	1118.62	Farm Ends.				
6	81.65	1118.51					
7	101.51	1118.36					
8	121.12	1118.28					
9	140.27	1118.14					
10	159.78	1117.97					
11	177.16	1117.66					
TP 1.	0	0					
1	182.15	1116.92					
2	184.06	1115.25	Ditch Starts.				
3	193.82	1113.65					
4	196.08	1112.99					
5	198.52	1112.57					
6	199.82	1111.91					
7	205.91	1113.18					
8	213.01	1114.55	Ditch Ends.				
9	215.13	1116.69					
10	218.65	1117.77					
11	237.20	1118.29					
12	255.17	1118.53					
13	267.51	1119.72					
14	275.80	1123.19					
15	283.35	1126.65					
16	291.59	1131.02					
17	300.91	1135.90					
18	312.94	1142.56					
19	321.01	1147.10					
20	330.50	1152.73					
21	338.29	1157.30					