

Appendix 4 (14)

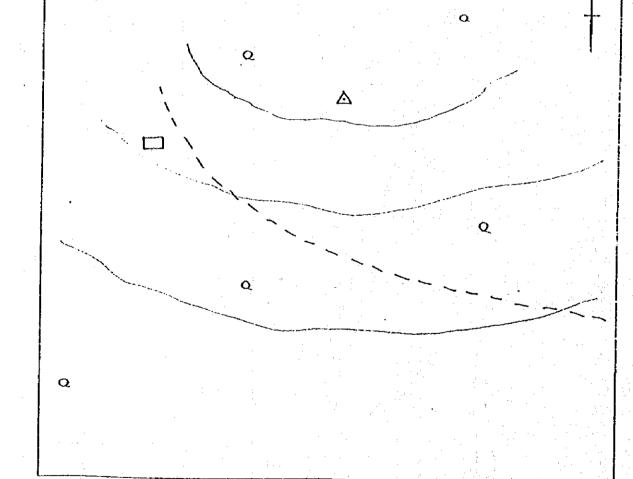
FILE:NV

### DESCRIPTION

r			
	date: 22 J	ULY, 1994 wea	ther: FINE
		1/50,000	1228 D3
STATION	△ ZS 124	1/250,000	SD - 35 - 4
		surveyor	
HEIGHT	<u>н= 1,328,740</u>	instrument	
	E= 680,628 · 330	surveyor	
CO-ORDINATE	N= 8580,706.680	instrument	

<u>Sketch.</u>

Name of Village.



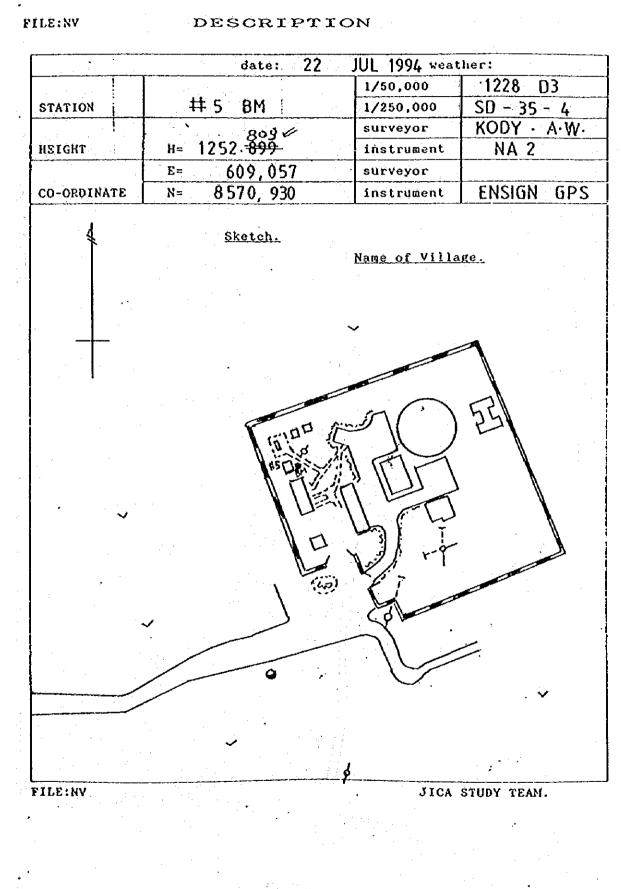
#### FILE:NV

JICA STUDY TEAM.

I.

• T-App.-18

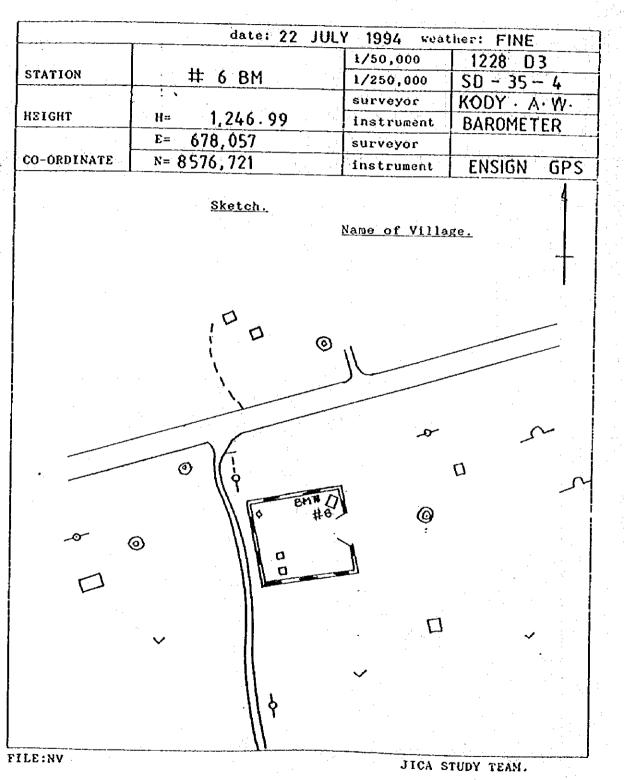
#### Appendix 4 (15)



Appendix 4 (16)

FILE:NV

DESCRIPTION

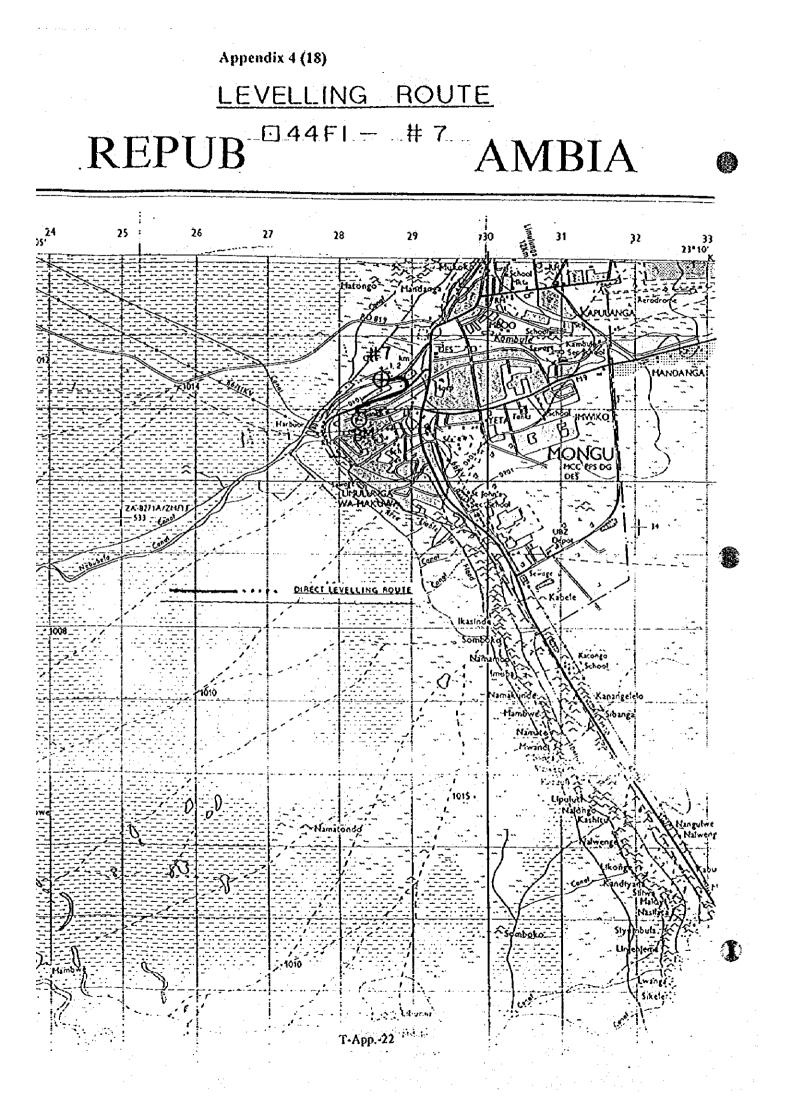


Appendix 4 (17)

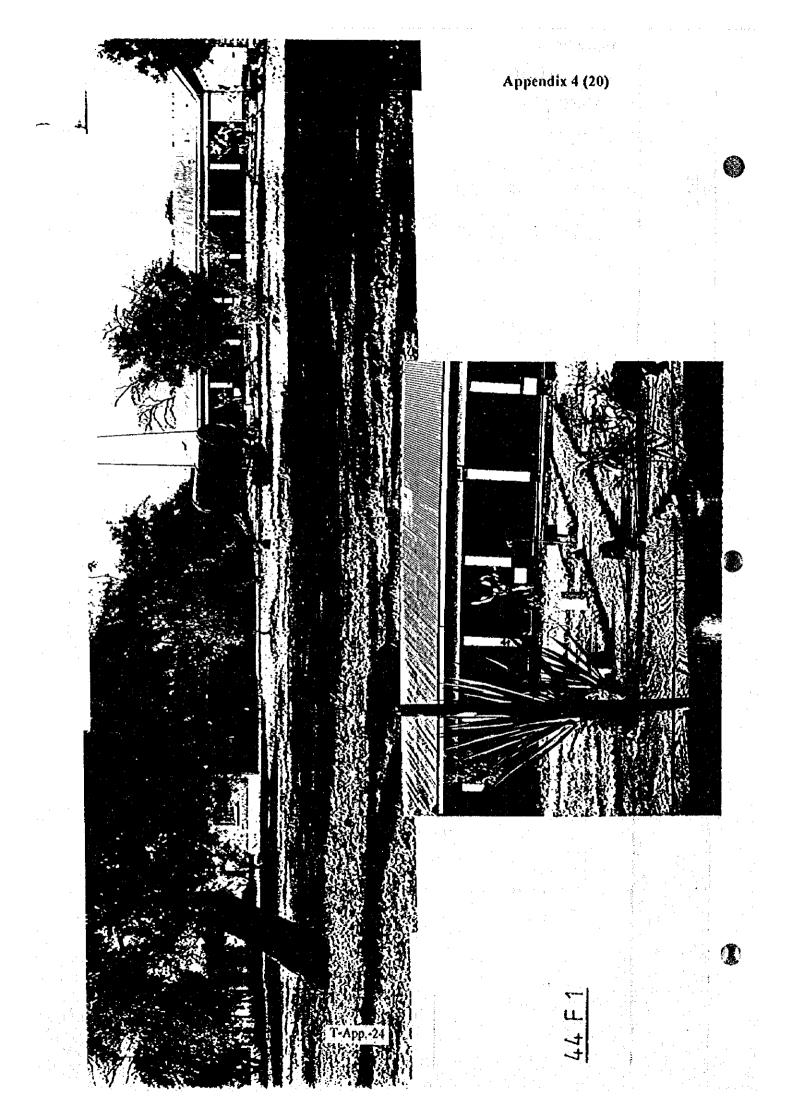
### Appendix 4 (17)

(J)

### - #7 IN MONGU

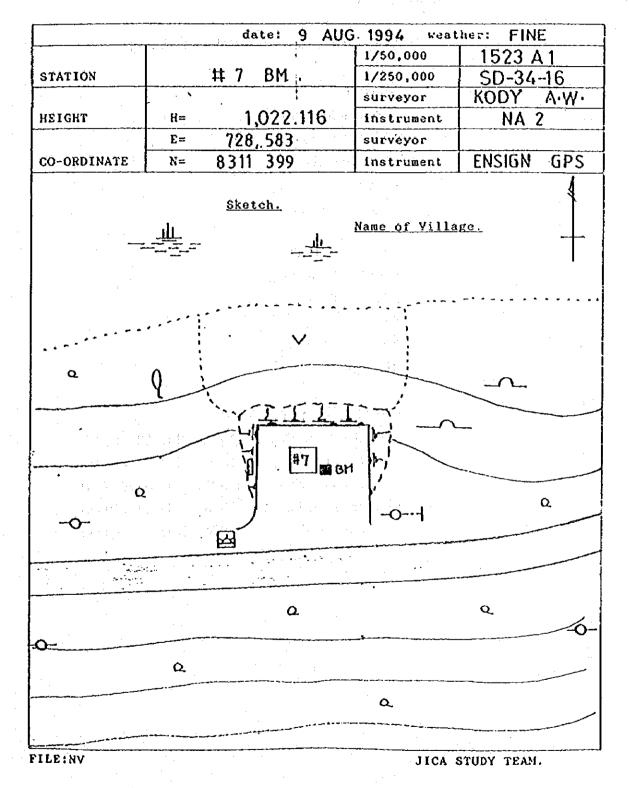


Appendix 4 (19) FUNDAMENTAL /MAIN BENCH MARK LOCALITY SKETCHES locolly Barorseland Monga. Route number ... Bench Mork No 44 FI ac consisting a bross plus set in cons. Foundation & deepas's aft below ground level, oncosed in a cast iron box and surmountee દેનુ Bench mork No. 14 5: 22 consists of a brass plug set in cone. Foundation 2'6 deep a R' below ground level endosed in picos + 100 box and isurmounte Bench mark No. as r/ consists of a brass plug set in conc. pillar 18 high is painted white on a congrete foundation 3' deep x a'x 2' 650. E- 728,189 N + 8310,882. NAG Ostice s e Bor M. Ν. 968年 H=1053.676 58 0.66 BENCH HARK T-App.-23



FILE:NV

#### DESCRIPTION



### Appendix 5 (1)

### WATER LEVEL GAUGING STATION

#### MFUWE G.S.

Levelling Route Map BM Description Stuff gauge check data River cross Section data River cross section

CHAMBESHI G.S.

Levelling Route Map BM Description Stuff gauge check data River cross Section data River cross section

CHEMBE FERRY G.S.

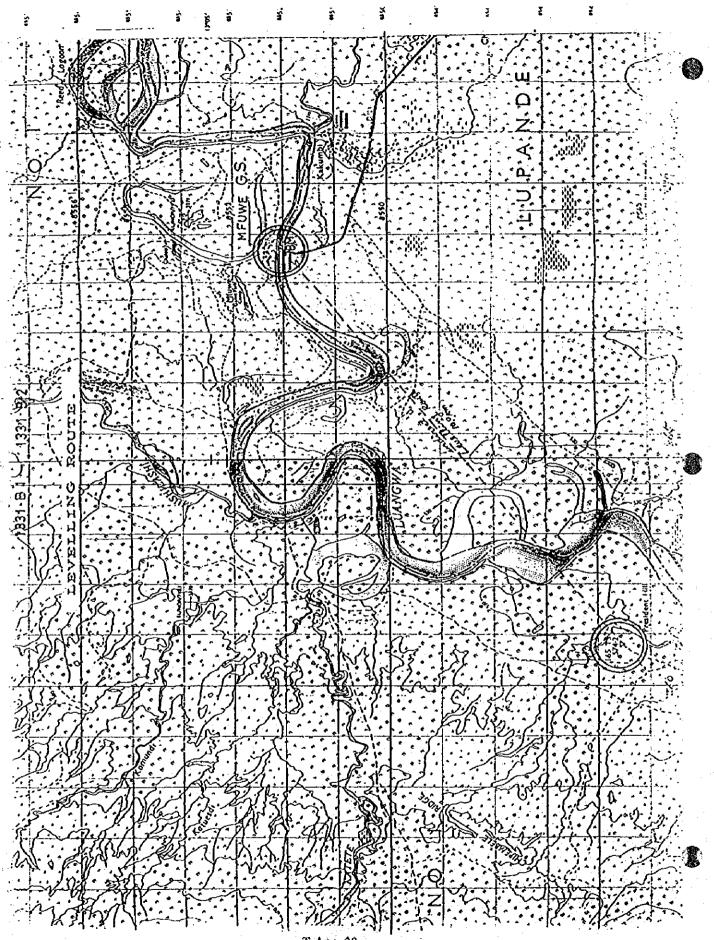
Levelling Route Map	(NEW, OLD STATION)	
BM Description	(NEW, OLD STATION)	
Stuff gauge check data	(NEW, OLD STATION)	
River cross Section data	(NEW, OLD STATION)	
River cross section	(NEW, OLD STATION)	

Appendix 5 (2)

٢

Þ

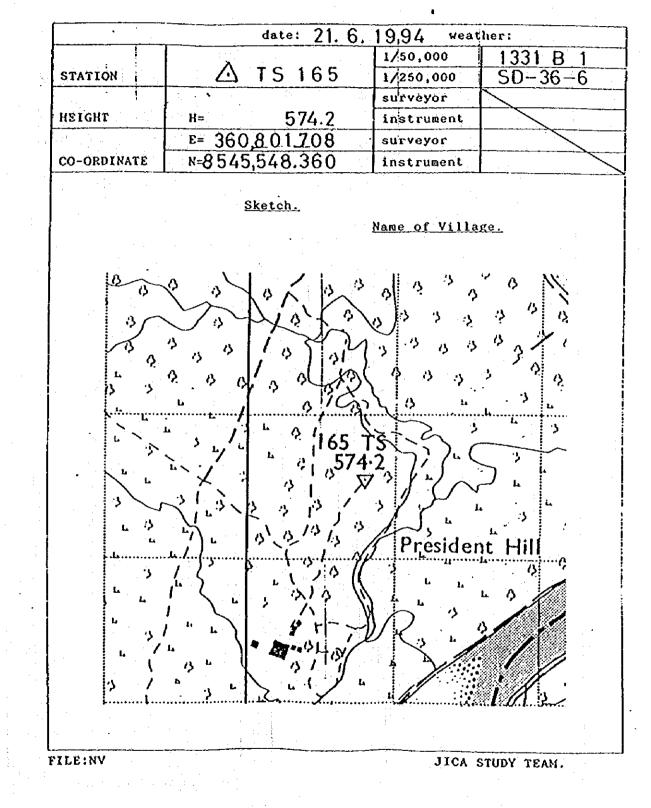
MFUWE G.S.



#### Appendix 5 (4)

FILEINV

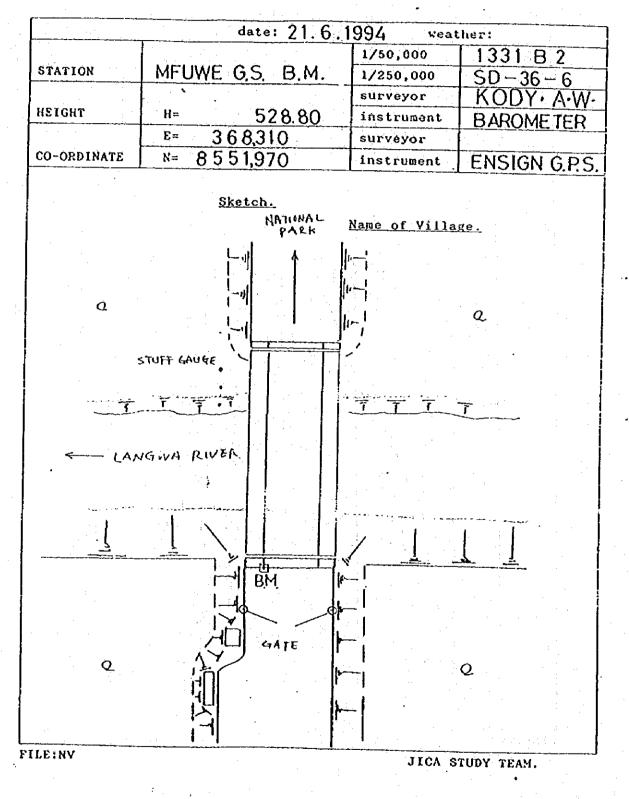
DESCRIPTION



#### Appendix 5 (5)

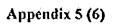
FILE:NV

### DESCRIPTION

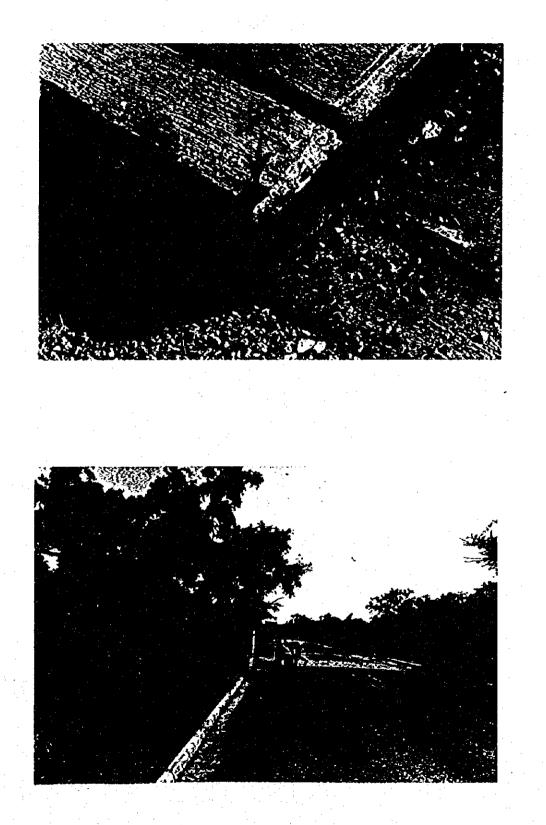


Ê

Ã,

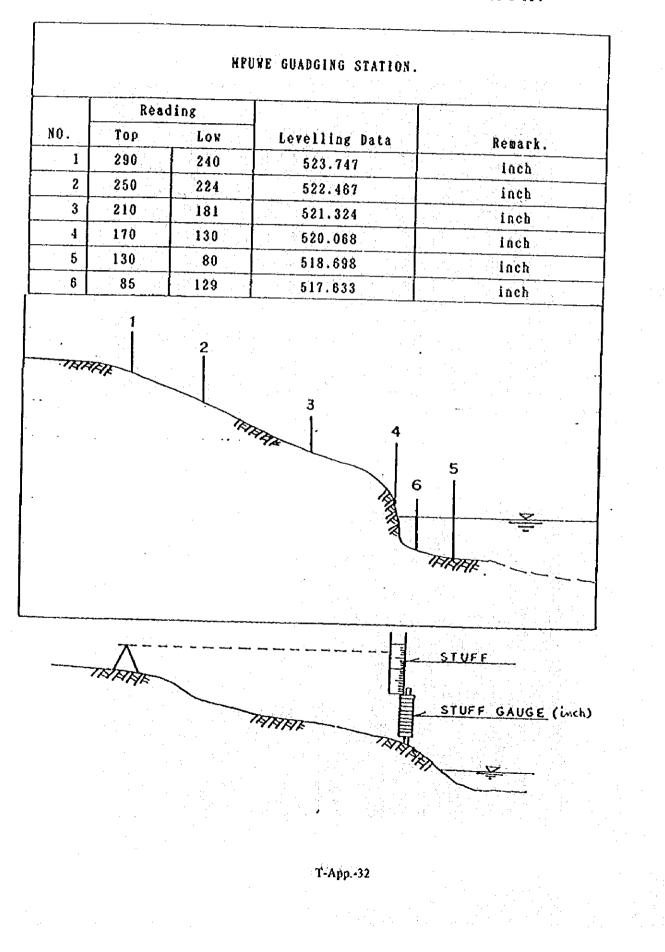


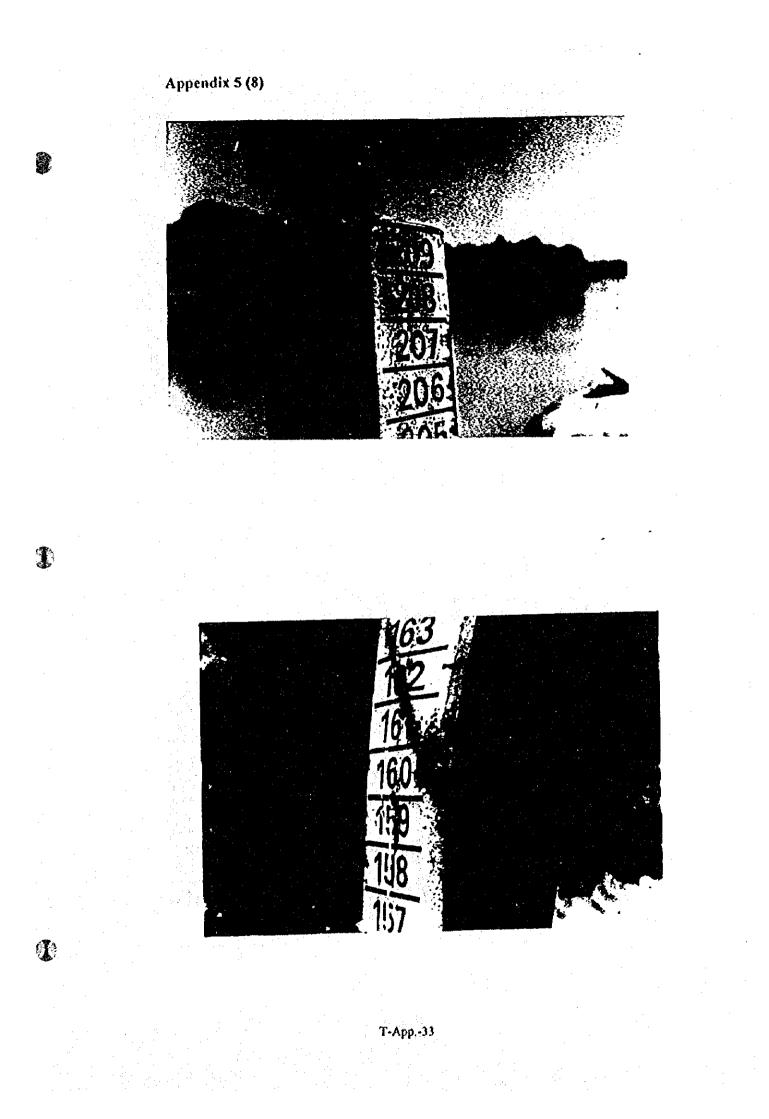
### MFUWE G.S. B.M.

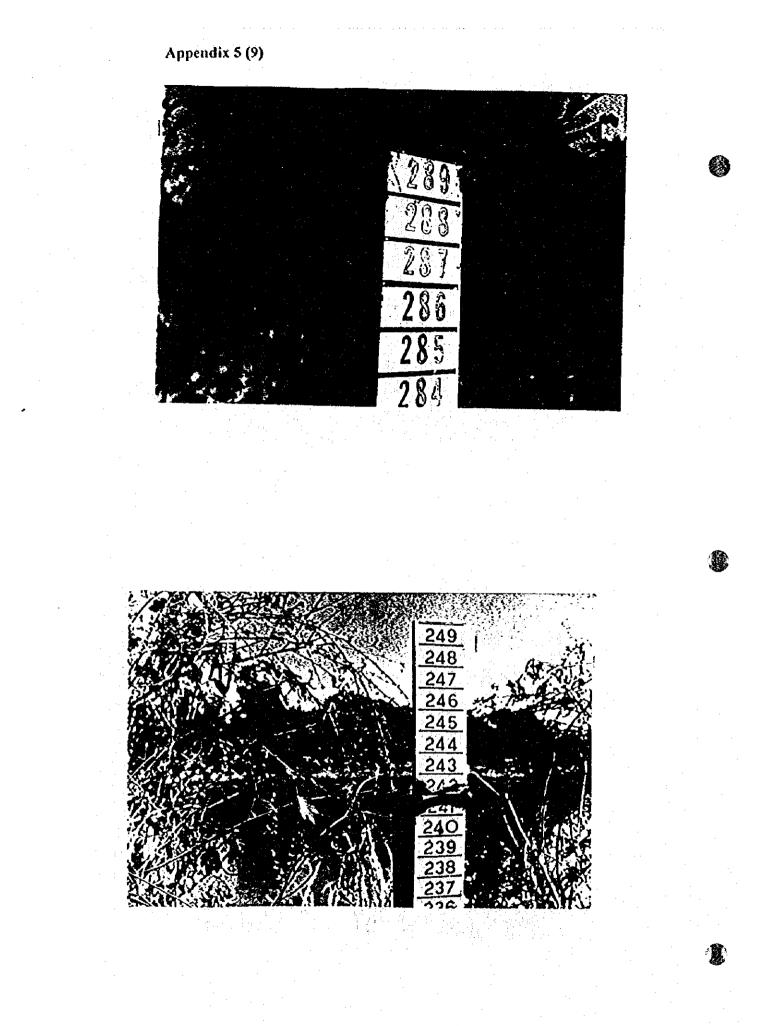


#### Appendix 5 (7)

## STUFF GAUGE CHECK DATA.







Т-Арр.-34

### Appendix 5 (10)

### RIVER CROSS SECTION DATA.

S	FATION : M	FUWE W	ATER LEVEL G	AUGIN	G STATION	· · · · · · · · · · · · · · · · · · ·	(RIGHT)
			·	•	· · · · · · · · · · · · · · · · · · ·		
No.	D	H	Remark	No.	D	H	Remark
1	-10.00	528.56	· · · · · · · · · · · · · · · · · · ·	37	140.00	514.91	
2	-0.3	528.66	ABATT	38	145.00	514.08	
3	0	528.66	ABATT	39	150.00	513.75	
4	0	527.21	ABATT	40	155.00	513.32	
. 5	0.54	527.21	an a	41	156.80	513.58	
6	0.54	523.48	TBM.	42	160.00	513.58	
7	12.54	522.70		43	160.00	518.82	
8	22.04	522.31		44	163.50	521.00	
9	23.71	521.92		45	169.00	522.50	
10	24.41	521.93		46	175.00	523.00	
11	24.41	521.08		47	185.00	523.50	
12	25.62	521.03		48	195.00	523.90	
13	27.32	520.60		49	207.35	524.45	ABATT
14	33.52	517.90		50	207.35	526.90	ABATT
15	36.52	516.63	Water Surface.	51	207.80	526.90	ABATT
16	40.00	516.22	4 	52	207.80	528.35	ABATT
17	45.00	516.20		53	220.00	528.25	
18	50.00	516.16		-			
19	55.00	516.12					
20	60.00	516.03				· · · · · · · · · · · · · · · · · · ·	
21	65.00	516.09			TS 165	574.20	
22	70.00	516.18				-45.40	BAROMETER.
23	75.00	516.26	·····		B.M.	528.80	
24	80.00	516.27		-		· · · · ·	
25	85.00	516.23					
26	90.00	516.28		-			
27	95.00	516.22					NO. 53
28	100.00	516.30				······································	i ( ۲
29	105.00	516.32	*				
30	110.00	516.32					
31	113.00	516.08				Y	-
32	115.00	515.28		•			<del>ل</del> ــــــــــــــــــــــــــــــــــــ
33	120.00	514.41	· · · · · · · · · · · · · · · · · · ·				
34	125.00	515.62	· · · · · · · · · · · · · · · · · · ·		· · · · ·		
35	130.00	515.88					<u> </u>
36	135.00	515.67	· ····································				

8



$\sim$
***
$\sim$
n.
×
ъ
ų.
Ο.
Ω,
Υ.

							• • • •	· · ·		
						•				
						-				
				-		-				
		-			1 - I					
					NGWA RIVER			+-		
-	-		4							
		-			<b>;</b>					-
								1	concentrative sector in the first of the first	
						-	ների մենիուսու է շարերել է է է։	rational and the product of the second s	이 가 나는 것 같은 것 같	
			_		트 나 속 바 1년 1 - 1 - 1 - 1 - 1 - 1		· · · · · · · · · · · · · · · · · · ·			
-		-						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
15 20.00		-					+			
				-		3	նարտվեցել նն լու է է լի			-
ļ		-				- 11-				
		-								
-	1									
								<ul> <li>I de la matrix protocia de la companya de la companya</li></ul>		
		-		•••						
	-	-								
					- - - -					
	_	-   								
						-			<u> </u>	-
					-					
20.00				1 ·		1 1.	- 1			
		••	-							
										-
r.										-
				•••					the second second	
P		~		-	- · · · ·					-
р 	_			•						
		•								
6	<b>.</b>	-								-
										-
		-		-	 • · ·					
220.00	-									-
						-				
		•		一般に学行電話に たいい				<u> </u>		
									л.	ļ
			-							-
									atte de transfera de la constante de la constan	
-		ł	,					ļ	Ì	
				1	ŀ					
				t						-
								<ul> <li>main of a state of a</li></ul>		;,
ŀ					1111		in the set of the set		a suite de la sele suite de la sere de la	
C(5,00 km						ĺ			alter free and a first of the second	
Protection and the second										
	-			Just Jonest Contract of the						
						لم معامد المعام الم				
										-
										-
			- 1		ungeneration from the first of			<ul> <li>The second s</li></ul>		
4 . 1		0			1.				0	-
								I''' '''''''''''''''''''''''''''''''''	0	
			-			Contraction of the second			and the second is the second	
			가 하는 한 만 하지							
				-	-					
							Ļ	ľ		
									- 1	
					•	•		1 V		
		· · · ·					-			

**3** 

ţ

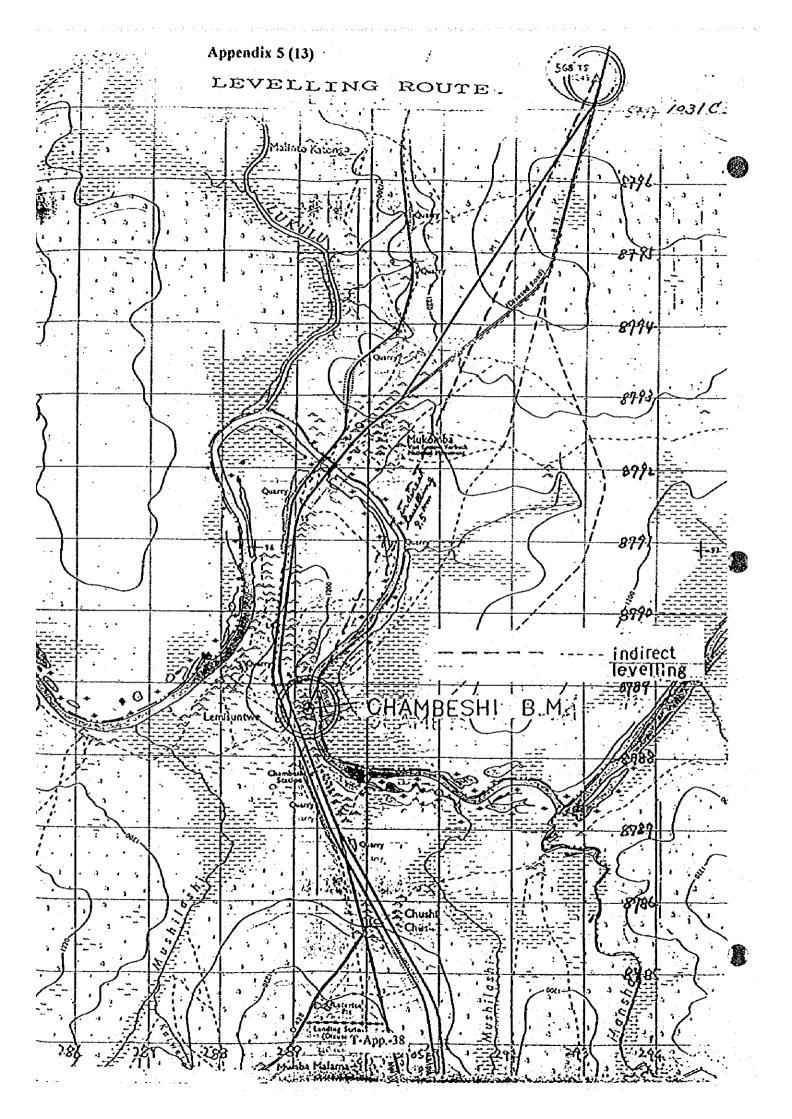
ł

.

### Appendix 5 (12)

¢

CHAMBESHI G. S.

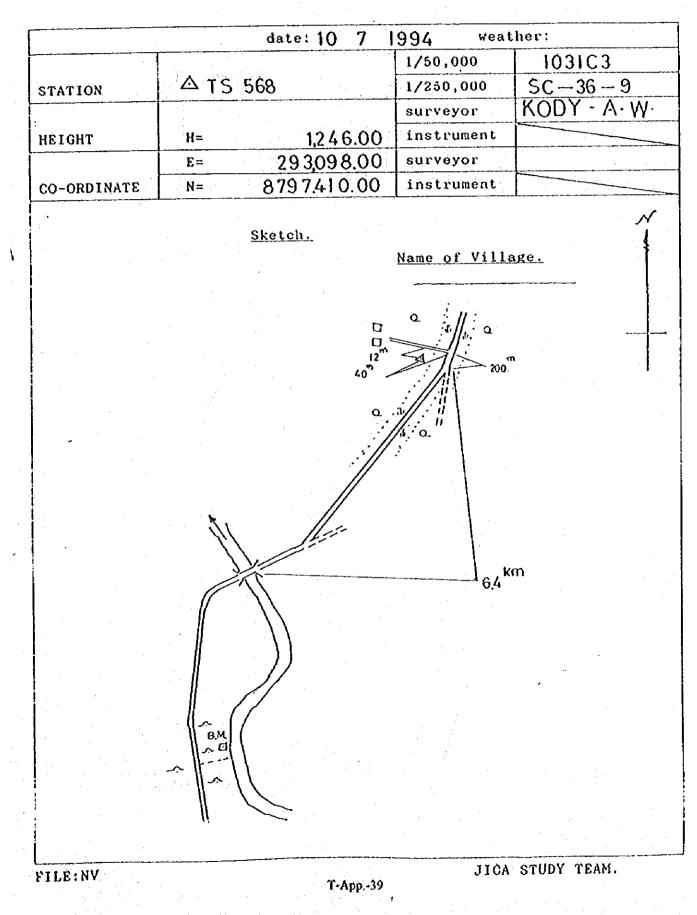


#### Appendix 5 (14)

FILE:NV

#### DESCRIPTION

· ·



### Appendix 5 (15)

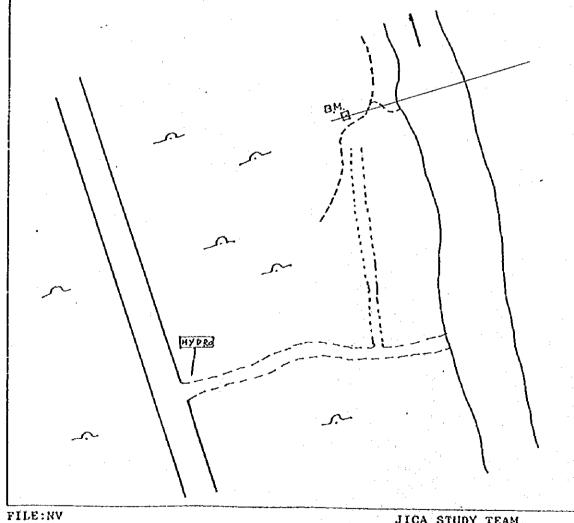
FÍLE:NV

#### DESCRIPTION

•	date: 10 JUL	1994 wea	ther: FINE
• 1		1/50,000	1128 D3
STATION	CHAMBESIB.M.	1/250,000	SC-35-16
		surveyor	KODY - A-W.
HEIGHT	н= <b>1,187.28</b>	instrument	BAROMETER
	E= 289,196	surveyor	
CO-ORDINATE	8788 ,642 <sup>א</sup> =	instrument	ENSIGN G.P.S

Sketch.

Name of Village.



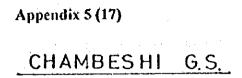
JICA STUDY TEAM.

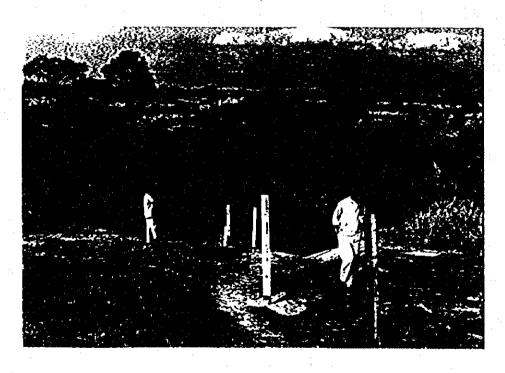
### Appendix 5 (16)

•

### STUFF GAUGE CHECK DATA.

r		· · · ·		
	Read		- Inviti to a Data (11)	Remark.
NO.	Top	LON	Levelling Data(H)	inch
1	280	240	1188-913	
2	750	604	1187-871	CD
3	250	200	1187-983	inch
4	710	630	1187.462	CD
. 5	193	160	1186-245	inch
6	Cannot		1186 - 063	CM
7	160	128	1185 - 249	iach
8	430	290	1184-669	Ca
9	130	83	1184 · 331	inch
10	90	65	1183 109	inch
			TATIAN 6 7 TATIAN	8 9 10 WL = 1182-10
	7		STUFF	GAUGE (cm or inch)







### Appendix 5 (18)

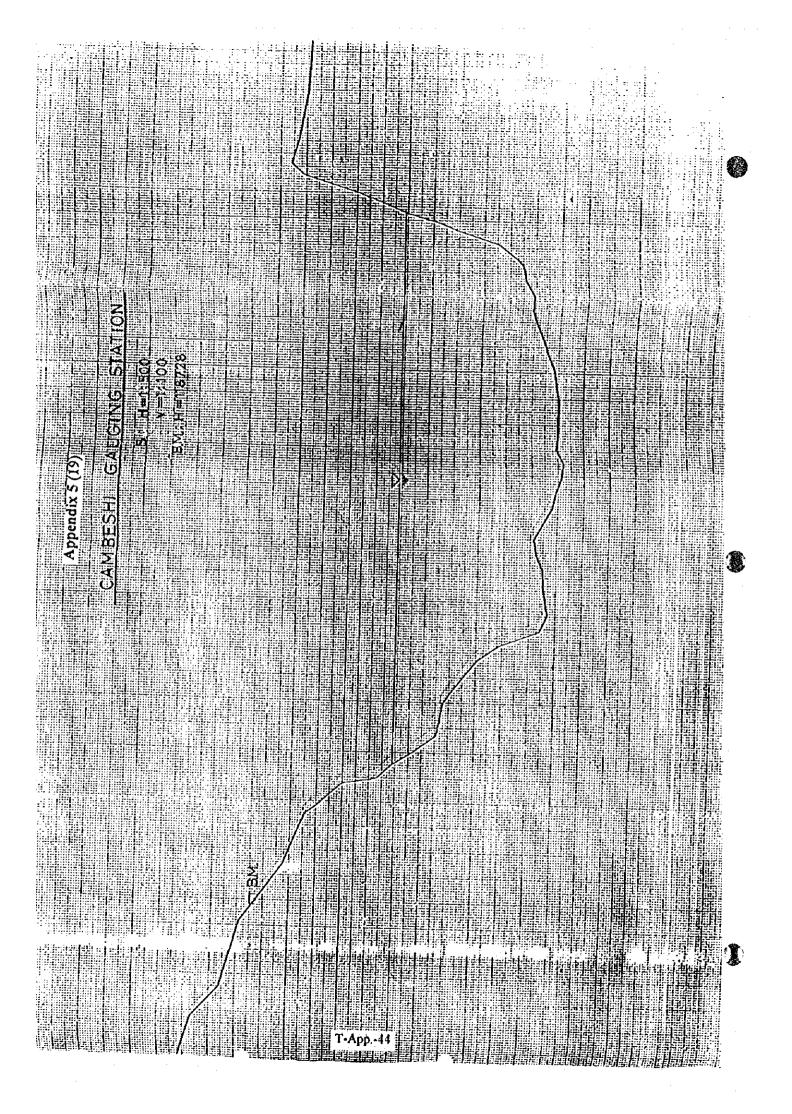
### **RIVER CROSS SECTION**

S	TATION : C	CHAMBES	HI WATER LEVI	EL GU/	ADGING ST	ATION.	
	(RIGHT)						
No.	D	H	Remark	No.	D	Ĥ	Remark
BM.	0	1187.28		36	111.40	1176.64	
1	7.87	1186.18		37	114.40	1176.94	
2	13.26	1185.69		38	117.40	1177.14	
3	17.98	1185.36		39	120.40	1177.11	
4	19.92	1185.05		40	123.40	1177.39	
5	23.18	1184.01		41	126.40	1177.54	
6	24.30	1183.31		42	127.40	1177.69	
7	24.82	1182.75		43	130.80	1178.46	
8	27.40	1182.10	Water Surface.	44	133.39	1180.18	
9	30.40	1181.28		45	134.67	1180.74	
10	33.40	1180.47		46	136.30	1182.10	Water Surface.
11	36.40	1180.32		47	138.18	1183.13	
12	39.40	1180.24		.48	140.00	1183.94	
13	42.40	1179.85		49	143.13	1186.13	
14	45.40	1179.39		50	145.32	1186.54	
15	48.40	1178.93		51	150.10	1186.34	
16	51.40	1178.09	<u> </u>	52	159.49	1185.91	
17	54.40	1176.55		53	173.11	1185.84	
18	57.40	1176.34	· · · · · · · · · · · · · · · · · · ·				an su su
19	60.40	1176.41					*
20	63.40	1176.54			(LEI	FT)	
21	66.40	1176.54		Nó.	D	H	
22	69.40	1176.74		BM.	0	1087.28	
23	72.40	1176.84		1	4.15	1087.85	
24	75.40	1176.54		2	11.95	1089.15	
25	78.40	1176.21		3	17.98	1089.16	
26	81.40	1176.01		4	23.36	1090.24	
27	84.40	1175.89		5	31.77	1090.79	
28	87.40	1175.79		6	45.50	1092.28	
29	90.40	1176.09		7	54.07	1093.69	
30	93.40	1175.99					
31	96.40	1175.99			TS.568	1246.000	:
32	99.40	1175.99				-58.875	BAROMETER
33	102.40	1176.14			T.P.	1187.125	****
34	105.40	1176.19					Levelling
35	108.40	1176.44			BM.	1187.28	

 $(\mathbf{D})$ 

P

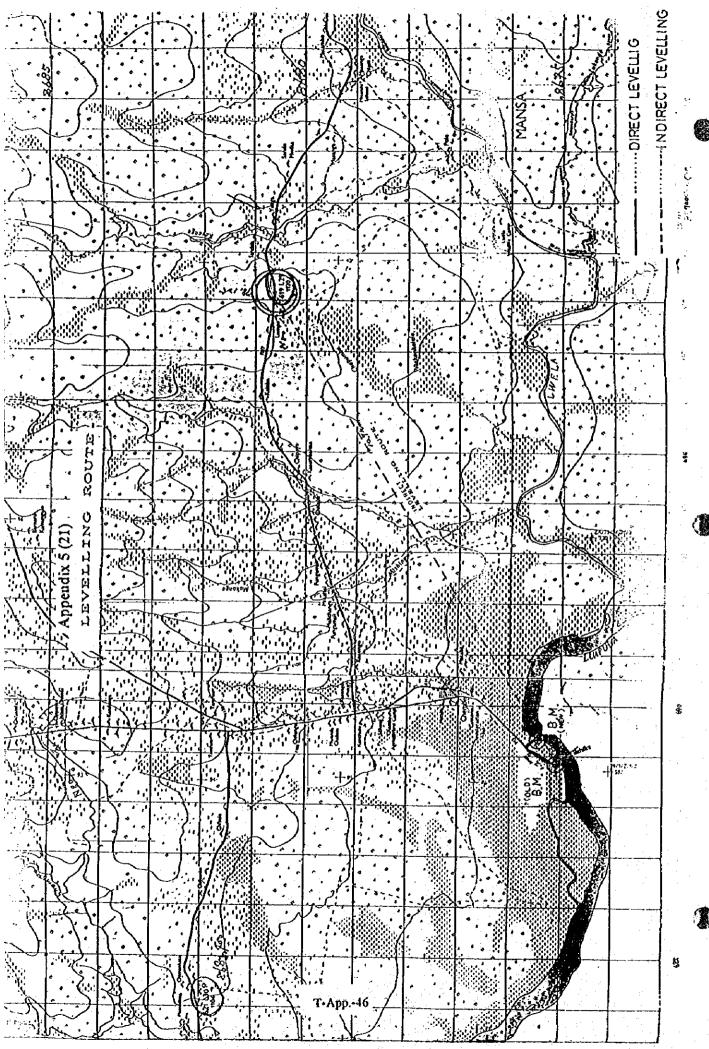




Appendix 5 (20) CHEMBE FERRY G.S.

D

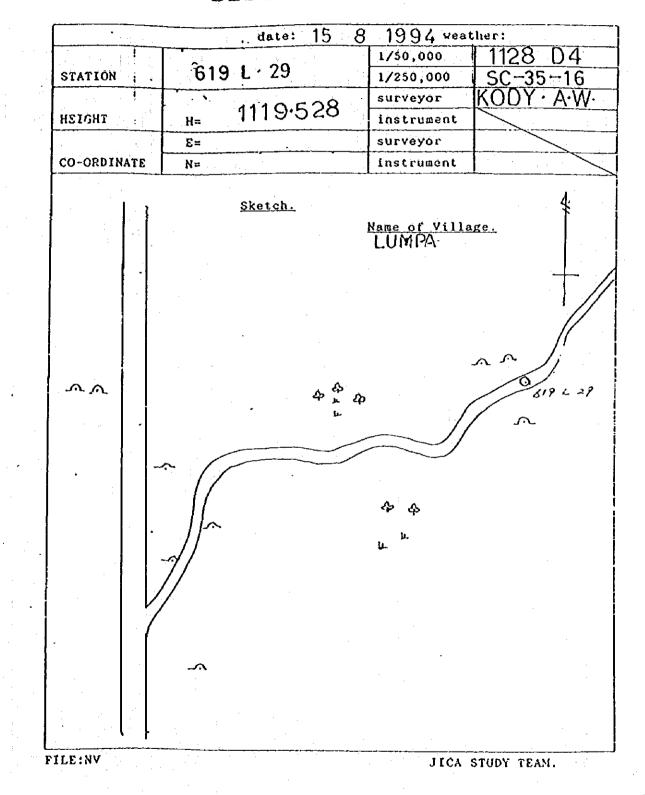
J,



#### \* ~nendix 5 (22)

FILE:NV

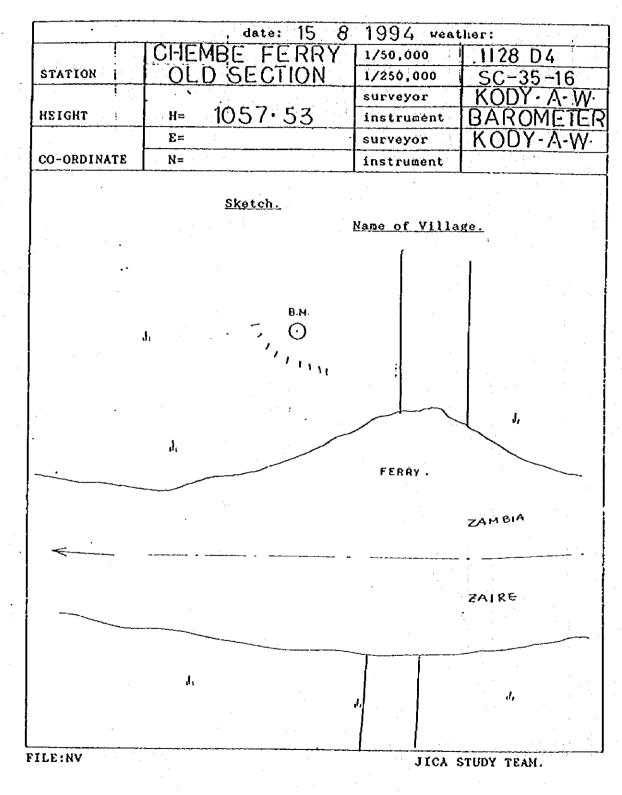
### DESCRIPTION



#### Appendix 5 (23)

FILE:NV

#### DESCRIPTION

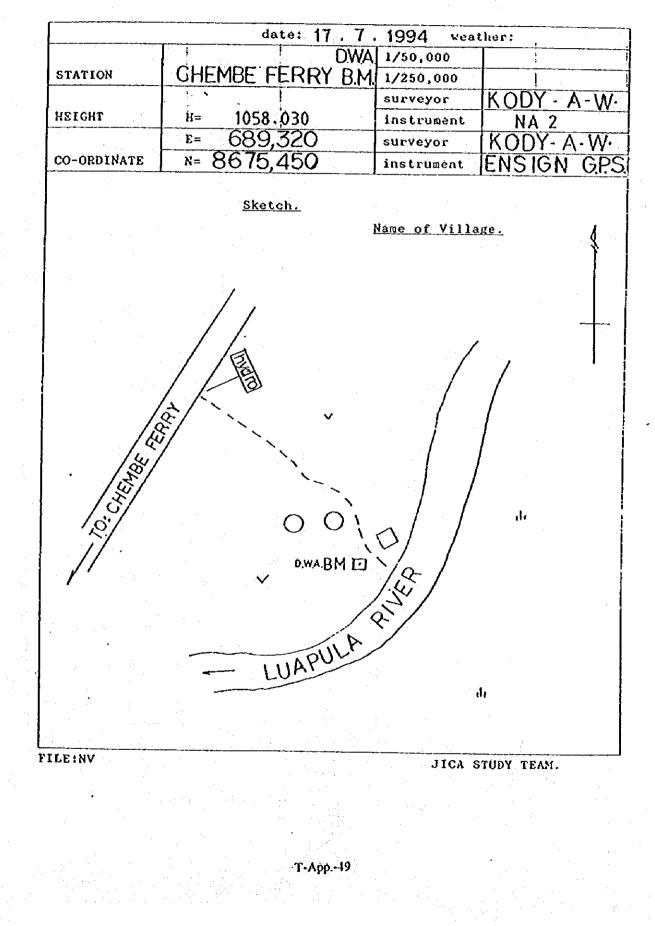


(87320 8675 450

Appendix 5 (24)

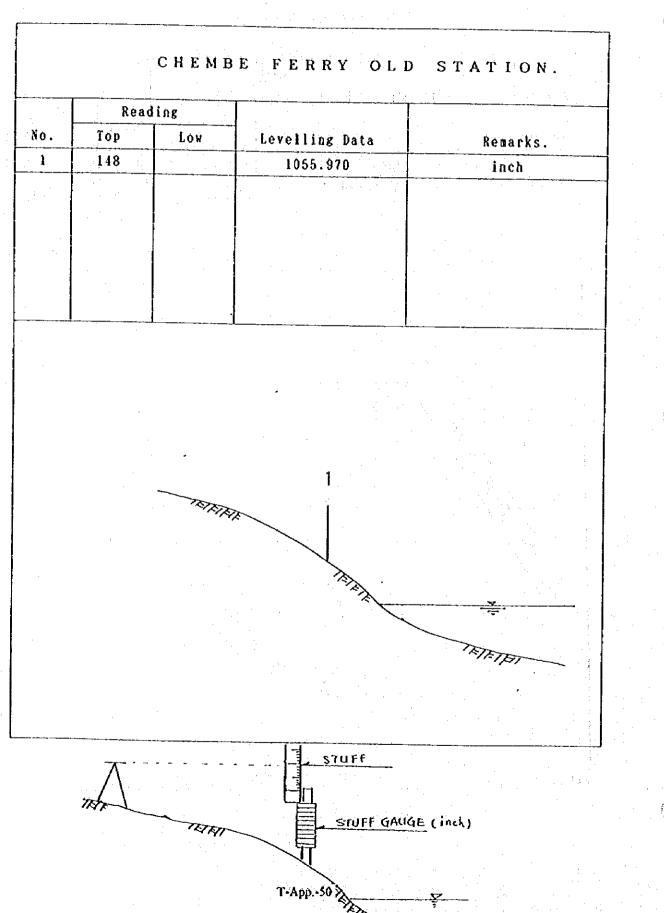
FILE:NV

#### DESCRIPTION



Appendix 5 (25)

### STUFF GAUDGE CHECK DATA.



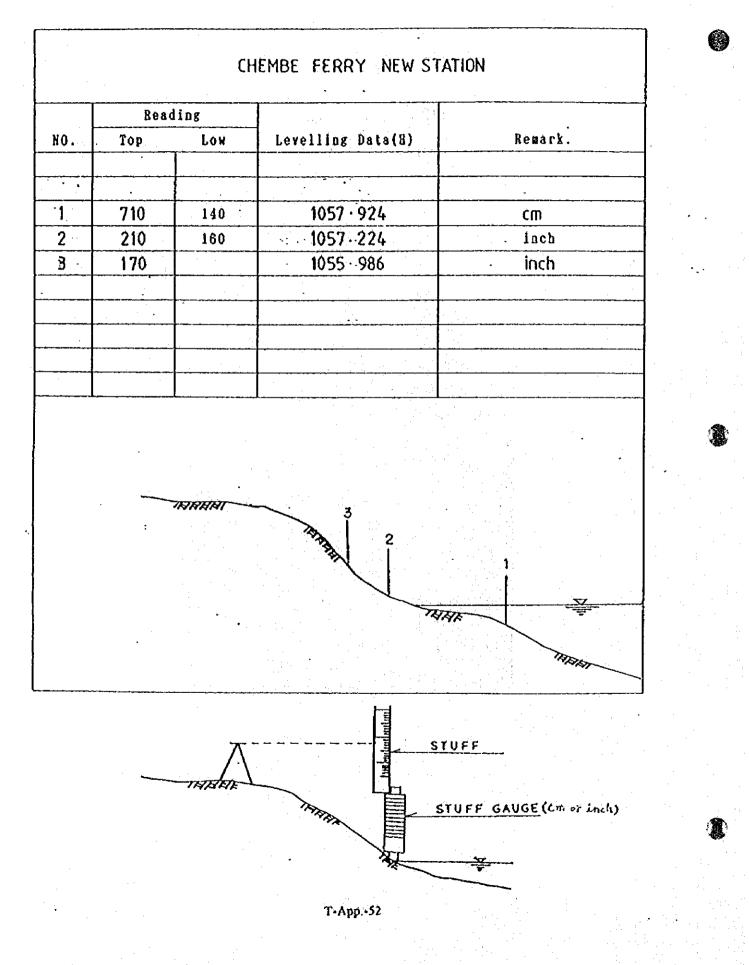
### Appendix 5 (26)

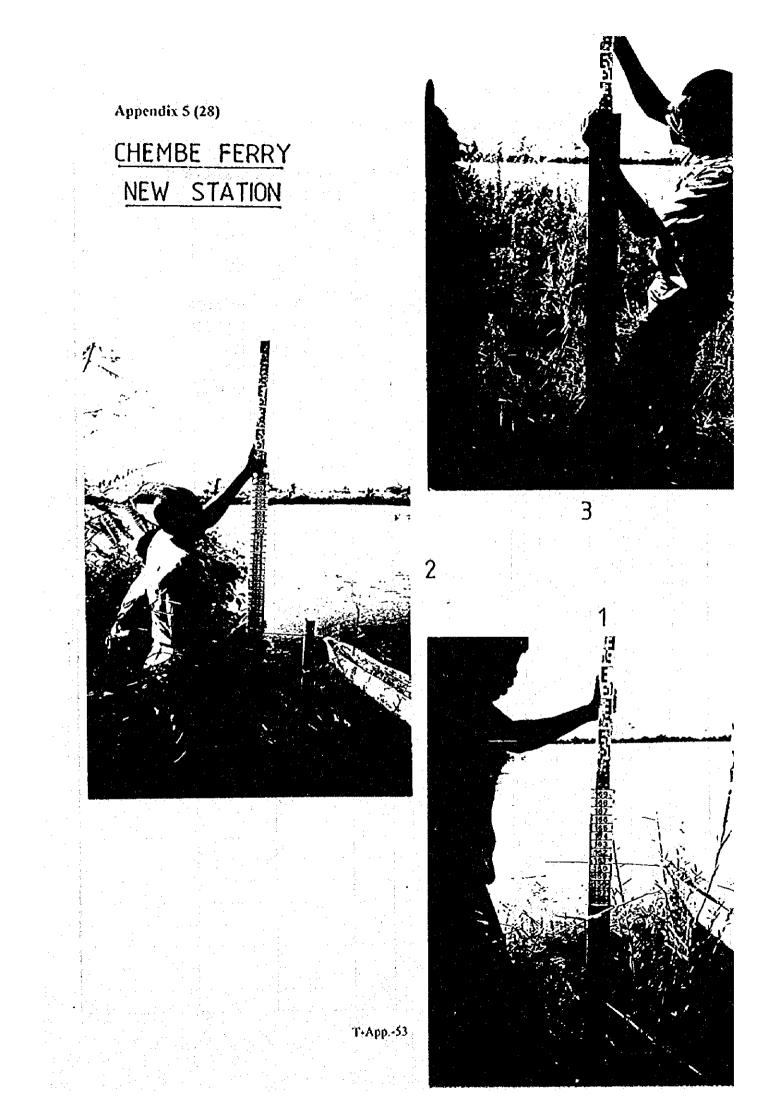
# OLD STATION STUFF GAUGE



#### Appendix 5 (27)

STUFF GAUGE CHECK DATA.





# Appendix 5 (29)

	AT THEFT						
	(LEFT)				(RIGHT)		
No.	D	H	Remark	No.	D	H	Remark
BM.	0	1057.53		BM.	0	1057.53	
1	12.82	1055.83		1	17.26	1057.14	
2	27.65	1053.61	· · · · · · · · · · · · · · · · · · ·	2	35.41	1056.85	
3	35.67	1053.71		3	53.20	1057.09	
4	49.79	1053.26		- 4	70.75	1057.95	
5	68.26	1053.26		5	88.89	1057.94	
6	84.72	1052.41		6	105.62	1058.43	
7	105.45	1051.91		7	122.86	1058.50	
8	116.87	1051.91					······································
9	129.67	1051.91			· · · · · · · · · · · · · · · · · · ·		
10	143.47	1052.01			······		
11	159.07	1051.81					
12	175.19	1051.26					
13	194.86	1050.41					
14	211.56	1050.36		· ·		·····	
15	225.58	1050.31			· · · · · · · · · · · · · · · · · · ·		
16	241.51	1050.66					
17	264.74	1051.26		WL=	1054.10		
18	282.08	1050.81					
19	297.11	1051.41			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
20	308.34	1051.11					
21	318.63	1050.91					
22	333.85	1050.71					
23	347.63	1051.21					
- 24		1051.91					
25	375.81	1054.99					
26	375.99	1055.98		1			
27	381.90	1057.92					
28	400.02	1058.23		1			
29	417.08	1057.82		1			
30	435.68	1057.23		1			
31	448.22	1057.02					
				†			
	[	•					

# RIVER CROSS SECTION SURVEY DATA

**₹**30 Appendix 5 (30) ÷.,

# ΞĮ.

1 λ Π Π

Appendix 5 (30 ÷.

ſ-

1.

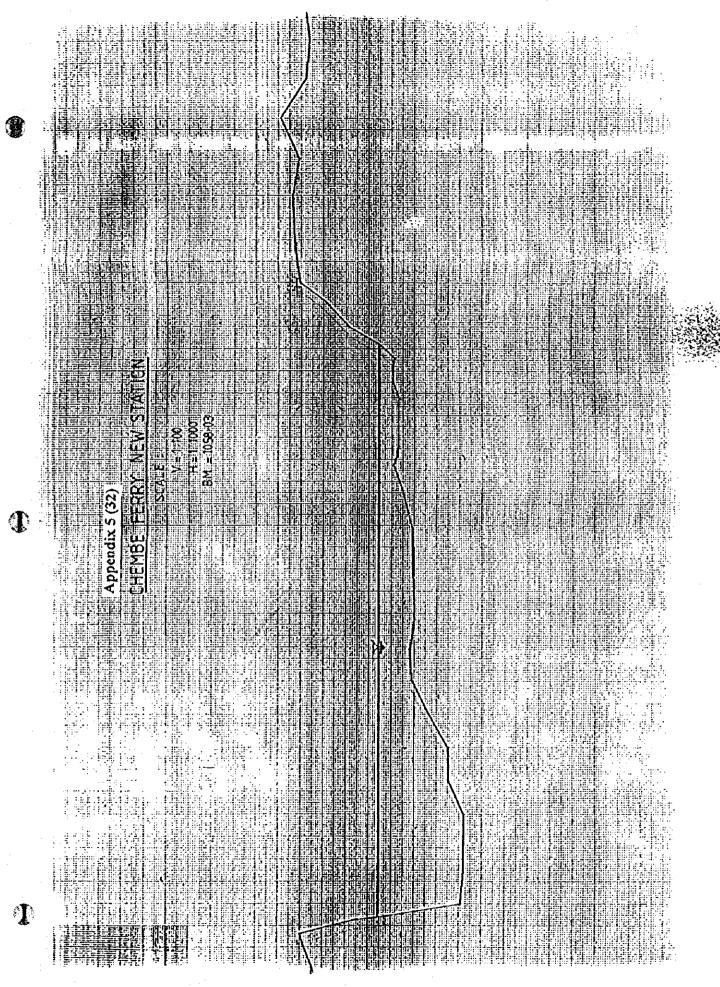
1

1

# Appendix 5 (31)

## RIVER CROSS SECTION SURVEY DATA

	STATION :	CHEMBE	FERRY NEW WA	TER L	EVEL GAU	GING STAT	ION
	(LEFT)				(RIGHT)		
No.	D	H	Remark	No.	D	H	Remark
BM.	0	1058.03		BM.	0	1058.03	• • • • • • • • • • • • • • • • • • •
1	7.78	1057.02		1	19.90	1058.30	······
2	19.96	1055.90		2	39.05	1058.37	
3	28.59	1054.54	Water Surface &	3	57.10	1058.14	
4	34.55	1053.90	Front	4	74.81	1057.88	·····
5	43.34	1054.00		5	92.85	1057.81	······································
6	52.23	1053.90	· · · · · · · · · · · · · · · · · · ·	6	111.12	1057.55	
7	61.91	1053.70		7	129.54	1057.93	
8	74.13	1053.75		8	147.19	1057.61	
9	83.30	1053.90		9	166.50	1056.56	
10	94.30	1053.50		10	187.91	1056.07	
11	112.00	1053.15					<u>· · · · · · · · · · · · · · · · · · · </u>
12	120.68	1053.05					
13	134.60	1053.05					
14	151.97	1053.00					
15	166.50	1053.20					
16	179.62	1053.10					
17	194.11	1052.35		1			
18	210.42	1051.50					
19	226.23	1051.45					
20	246.00	1050.80		<b> </b>			
21	265.99	1050.80					
22	279.99	1050.90		<u> </u>			
23	286.51	1054.54	Water Surface &				
24	287.39	1055.48	Front.	<u> </u>			· · · · · · · · · · · · · · · · · · ·
25	293.59	1057.99			· · · · · · · · · · · · · · · · · · ·		
26	300.89	1057.81			·		
27	321.21	1056.98					
			······				
		i					

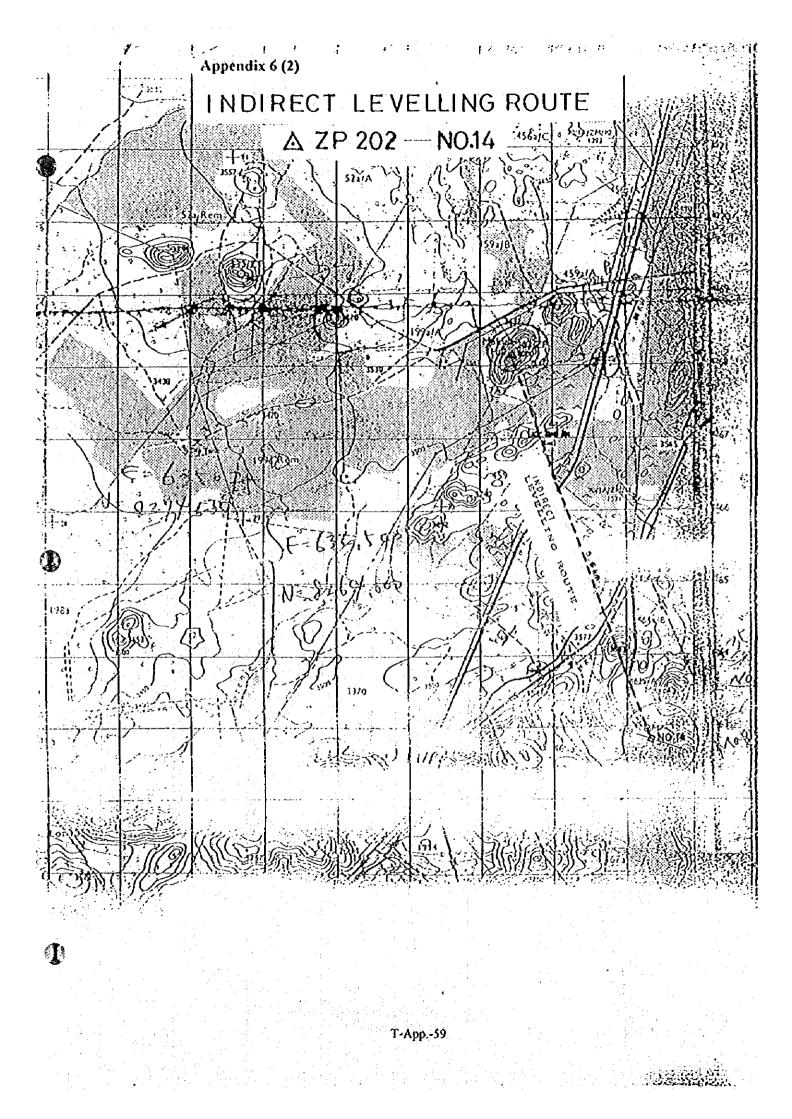


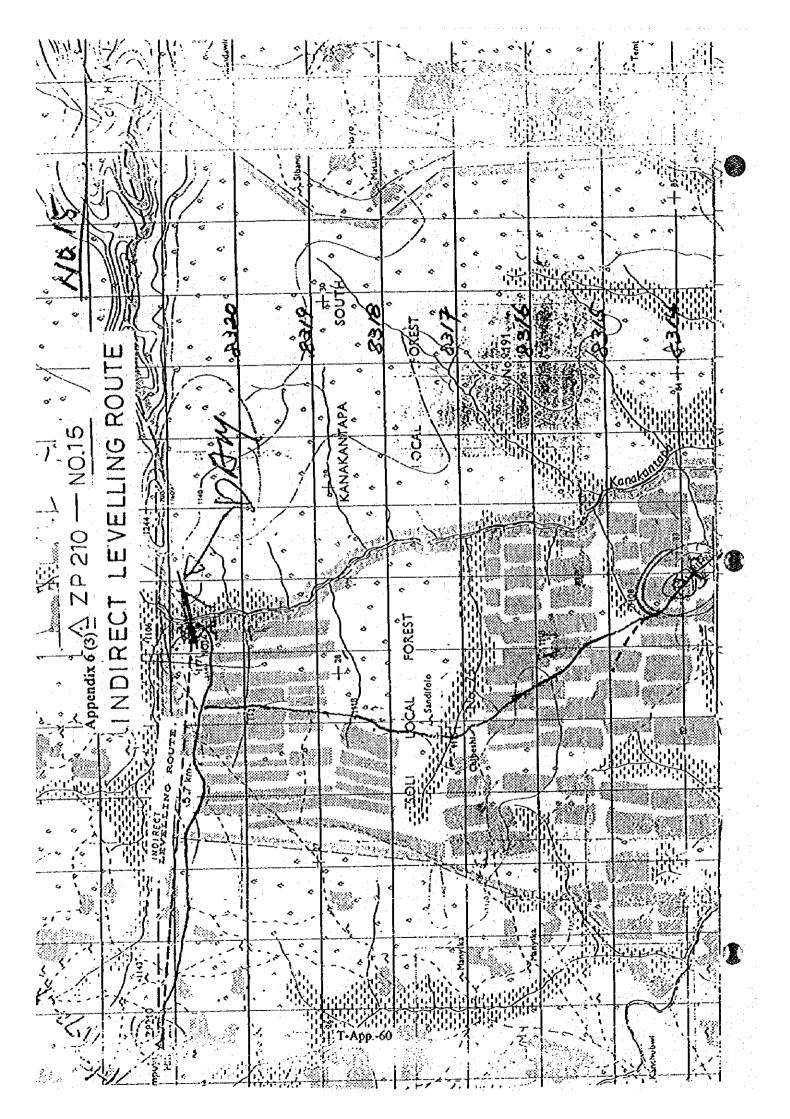
Т-Арр.-57

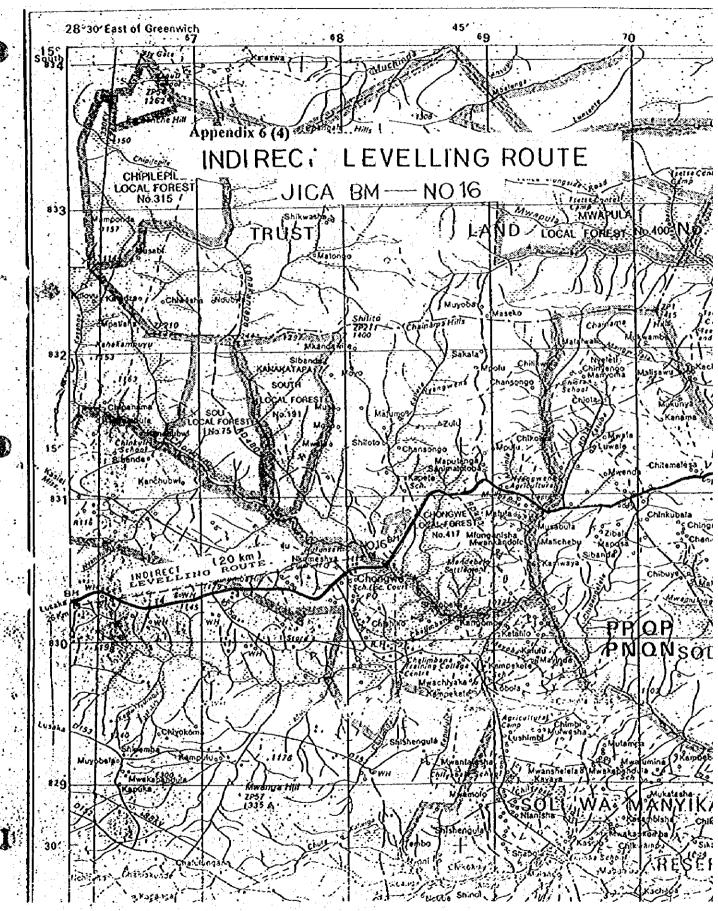
# Appendix 6 (1)

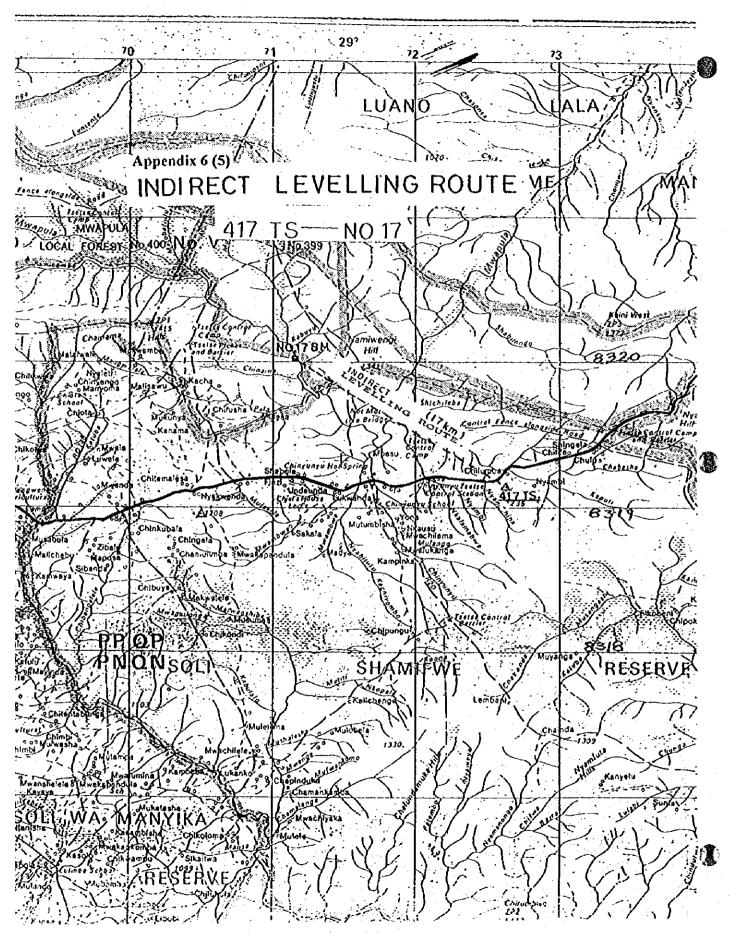
# PLANNING DAM AXIS PROFILE

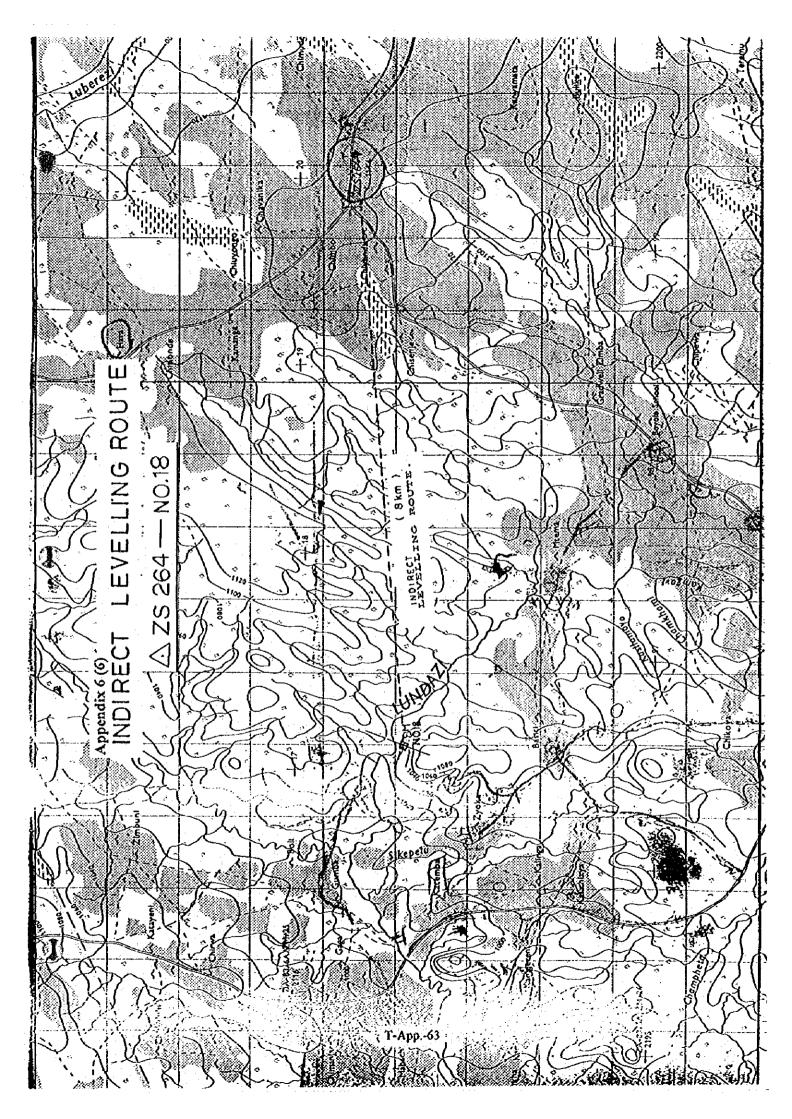
- Levelling Route
- Description
- Profile data, Profile, Location

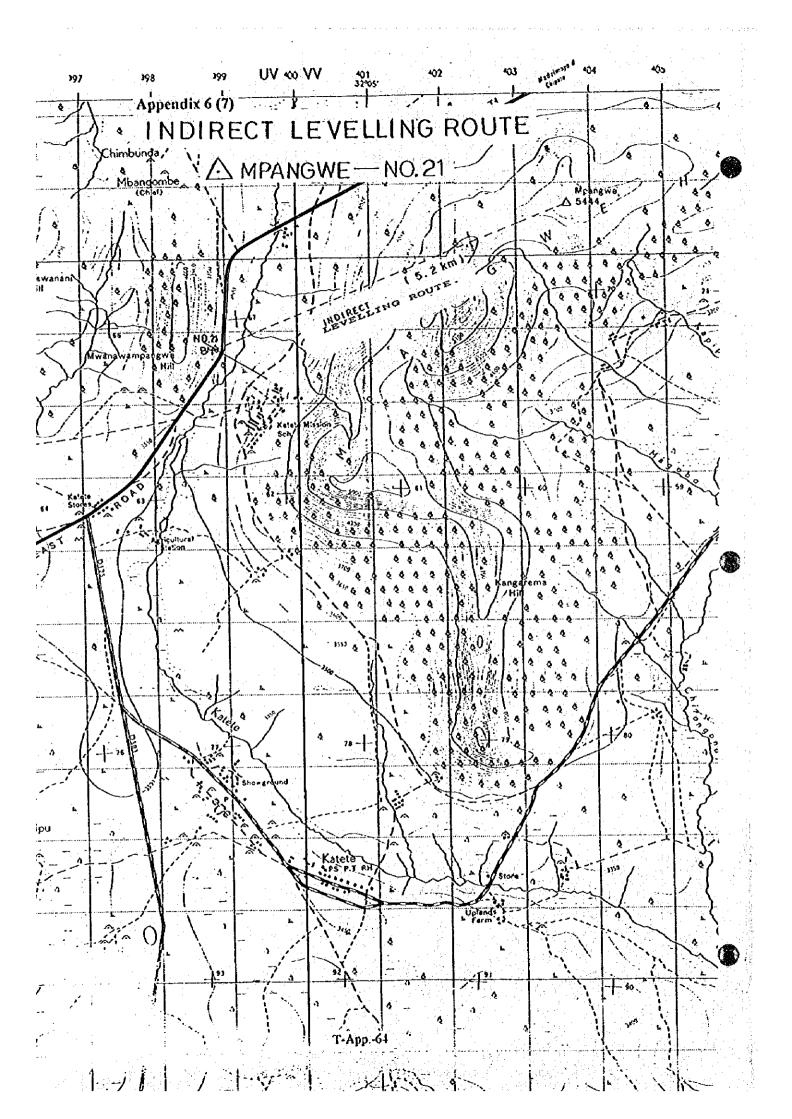








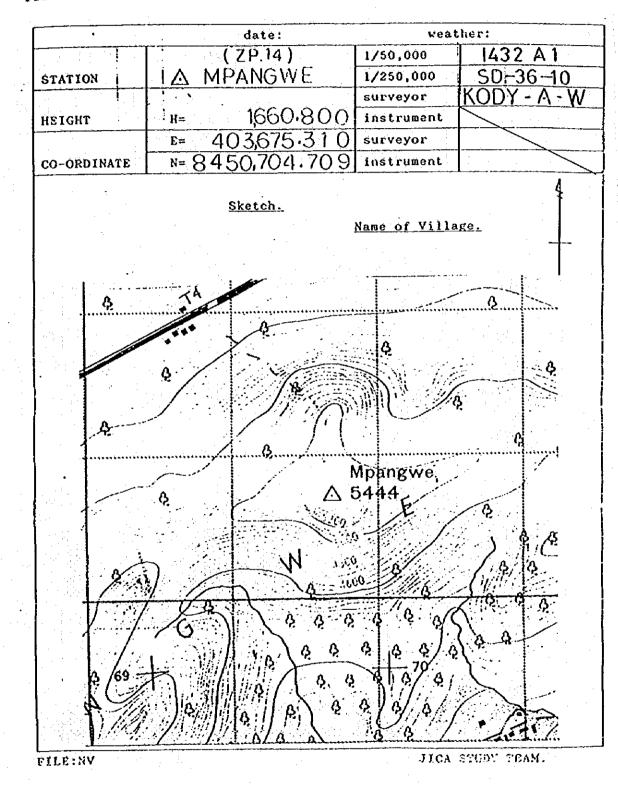




#### Appendix 6 (8)

FILE:NV

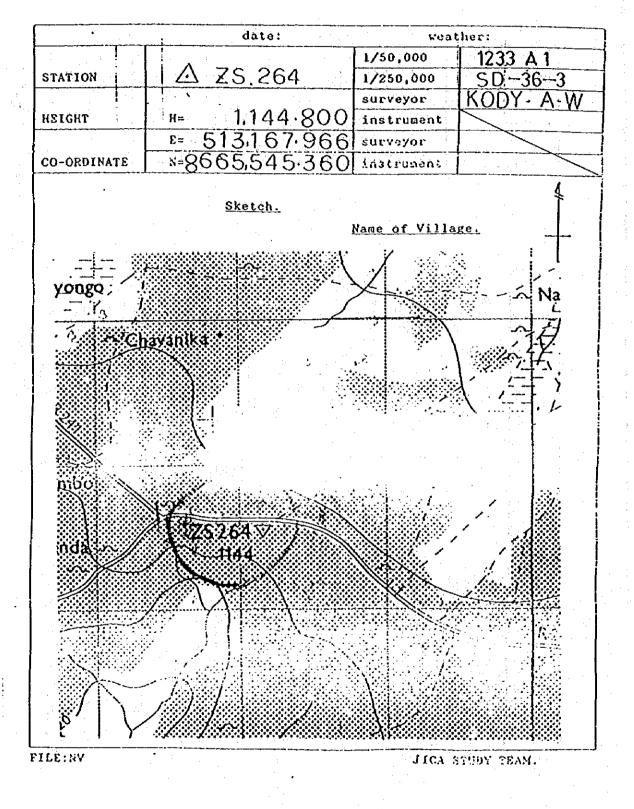
#### DESCRIPTION



Appendix 6 (9)

FILE:NV

#### DESCRIPTION

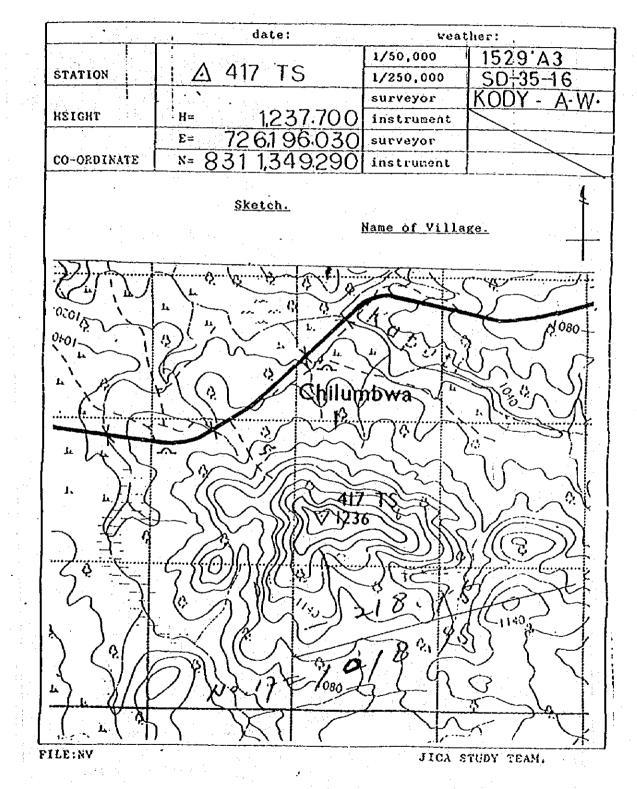


T-App.-66

## Appendix 6 (10)

FILE:NV

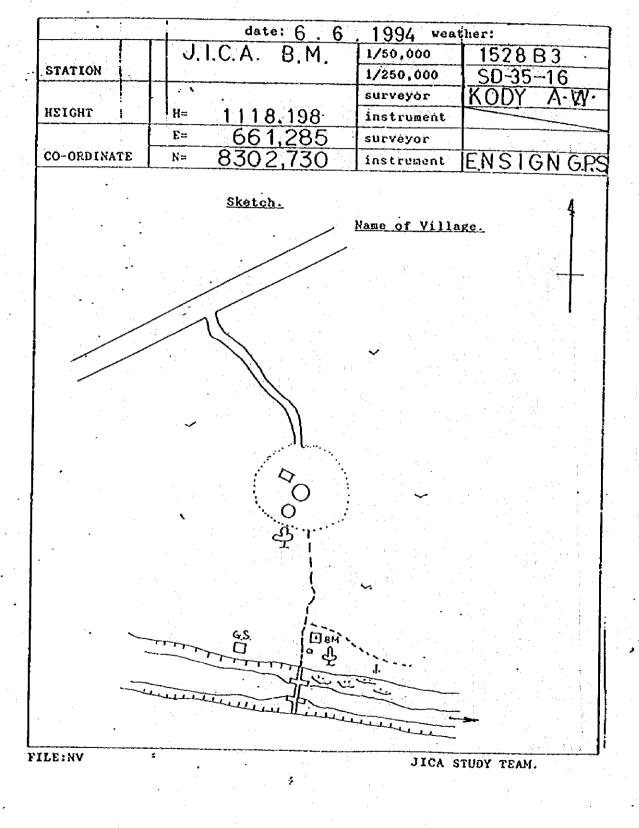
DESCRIPTION



#### Appendix 6 (11)

FILE:NV

### DESCRIPTION



T-App.-68

.

#### Appendix 6 (12)

#### £6. : .

