

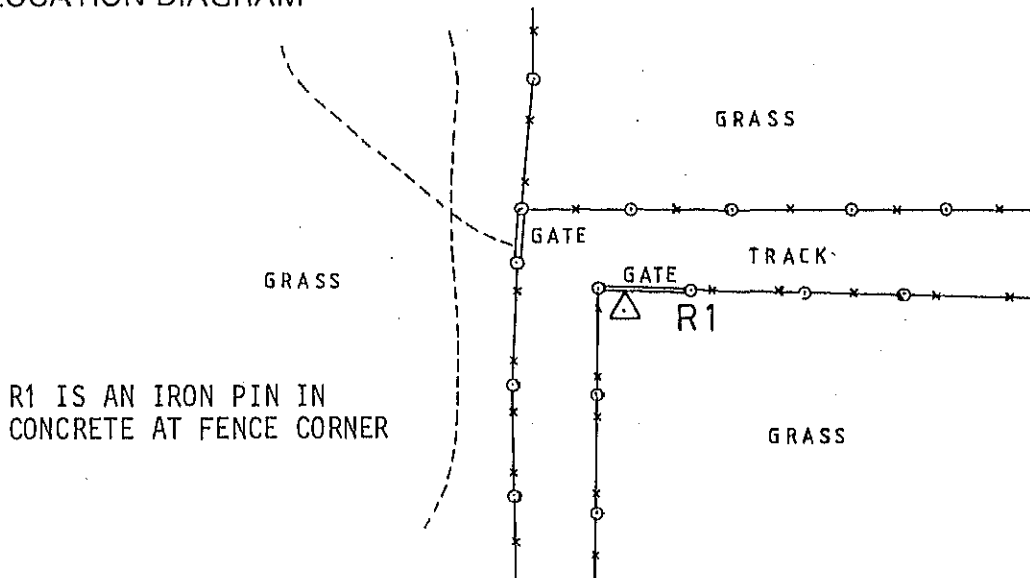
SURVEY MARK DESCRIPTION

MOLO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R1

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO. 1040
MAP SHEET No.	DATE: OCT. 1990	SURVEYOR: J. KARIOKI
NORTHING: 9 976 332.91	EASTING: 813 365.43	HEIGHT: 2046.80

LOCATION DIAGRAM



METHOD OF APPROACH



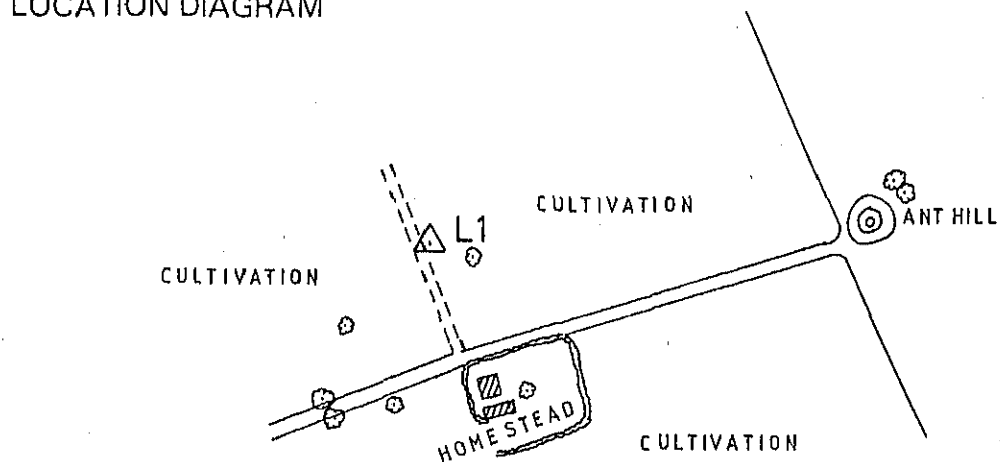
SURVEY MARK DESCRIPTION

MOLO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. L1

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO. 1040
MAP SHEET No.	DATE: OCT. 1990	SURVEYOR: J. KARIOKI
NORTHING: 9 97.6 979.40	EASTING: 812 721.96	HEIGHT: 2042.62

LOCATION DIAGRAM



L1 IS AN IRON PIN IN CONCRETE NEXT TO FOOTPATH NEAR A SMALL TREE ON CULTIVATED LAND

METHOD OF APPROACH



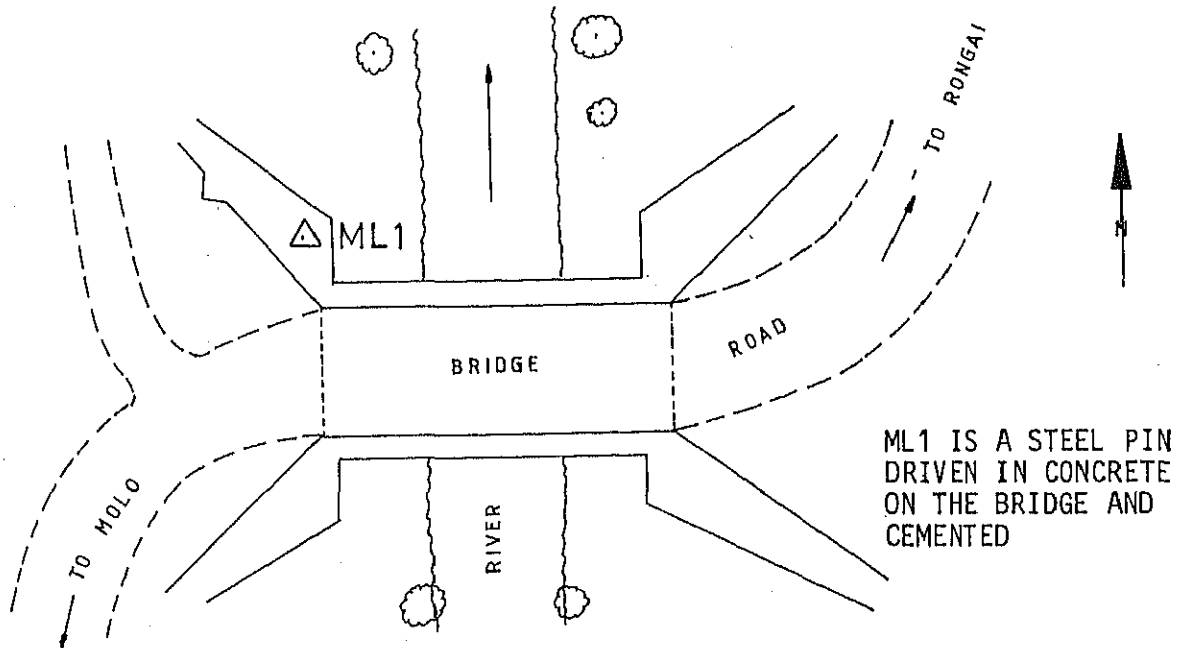
SURVEY MARK DESCRIPTION

MOLO DAMSITE

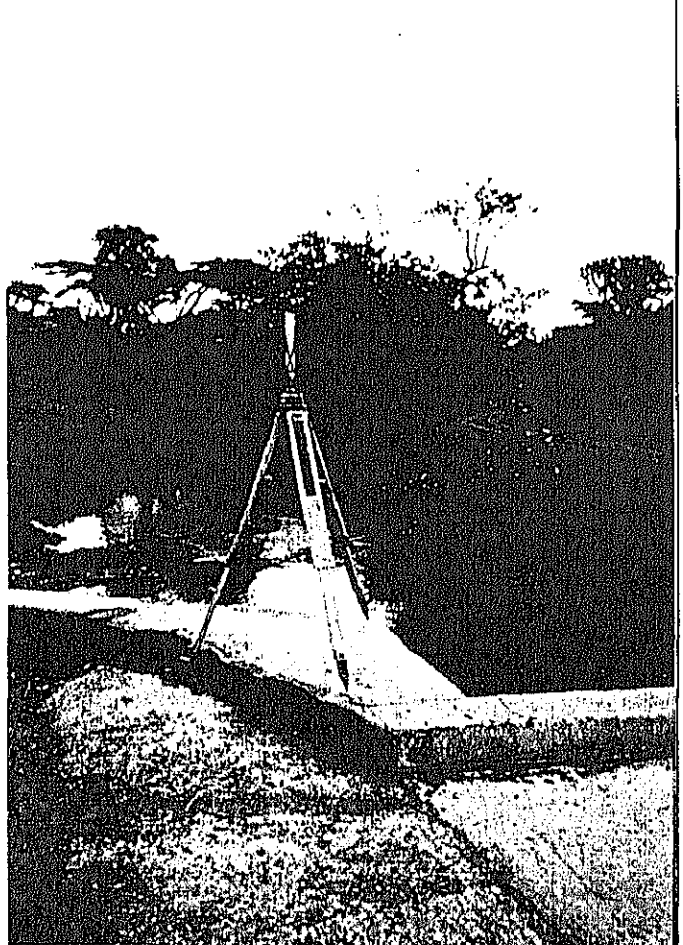
COUNTRY: KENYA JOB No. J1061 POINT No. ML1

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO. 1040
MAP SHEET No.	DATE: OCT. 1990	SURVEYOR: J. KARIOKI
NORTHING: 9 976 425.00	EASTING: 812 725.00	HEIGHT: 1996.46

LOCATION DIAGRAM



METHOD OF APPROACH



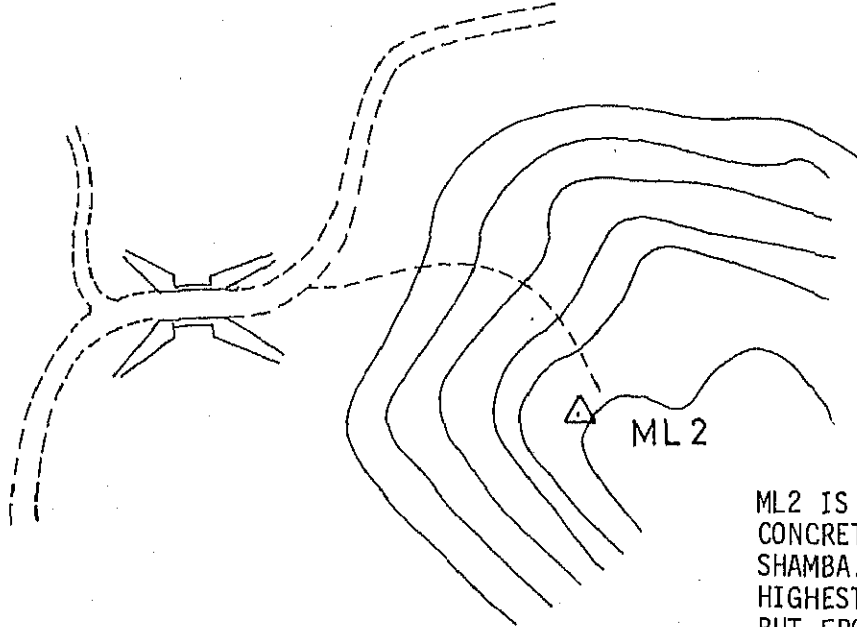
SURVEY MARK DESCRIPTION

MOLO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. ML2

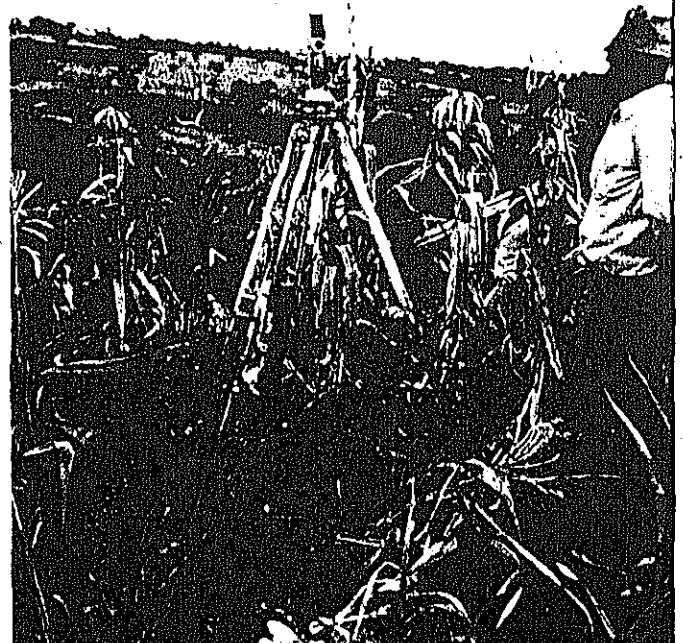
TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO. 1040
MAP SHEET No.	DATE: OCT. 1990	SURVEYOR: J. KARIOKI
NORTHING: 9 976 317.88	EASTING: 812 763.99	HEIGHT: 2030.88

LOCATION DIAGRAM



ML2 IS AN IRON PIN IN CONCRETE ON HILL AND IN SHAMBA. IT'S NOT ON THE HIGHEST POINT OF THIS HILL BUT FROM WHERE BRIDGE CAN BE SEEN

METHOD OF APPROACH



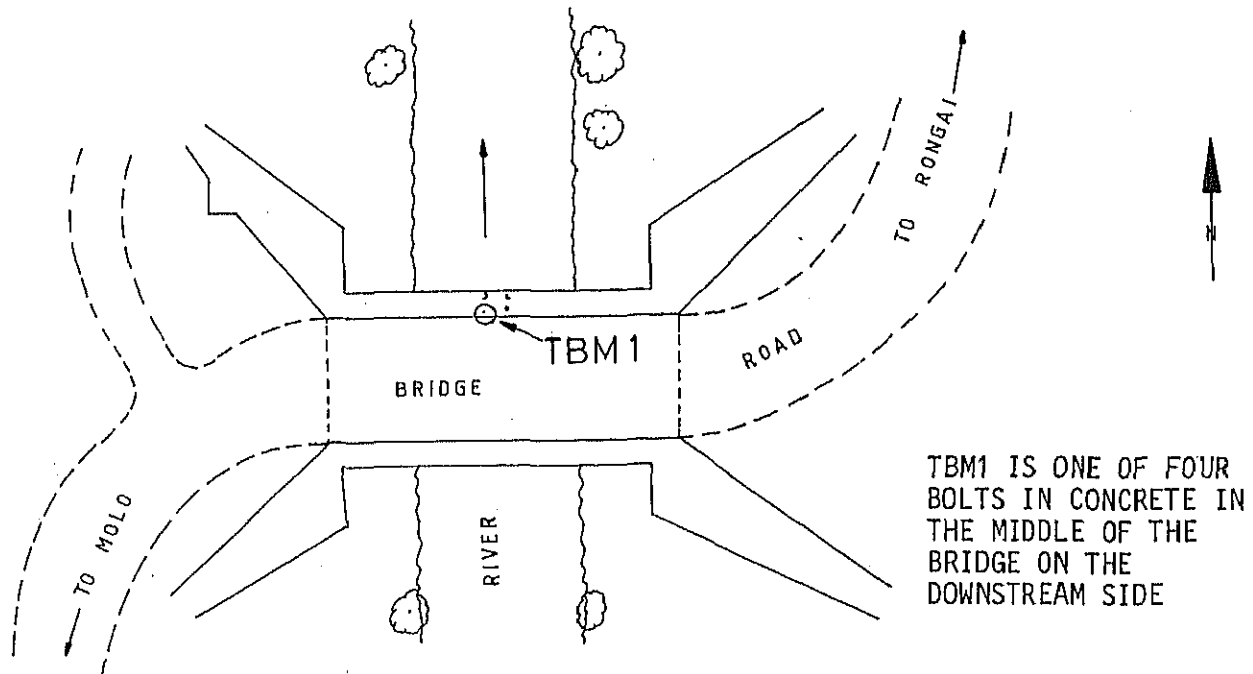
SURVEY MARK DESCRIPTION

MOLO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. TBM 1

TYPE: T.B.M.	DESCRIPTION: BOLT IN CONCRETE	PHOTO NO. 1040
MAP SHEET No.	DATE: OCT. 1990	SURVEYOR: J. KARIOKI
NORTHING: -	EASTING: -	HEIGHT: 1996.440

LOCATION DIAGRAM



METHOD OF APPROACH



YATTA DAMSITE

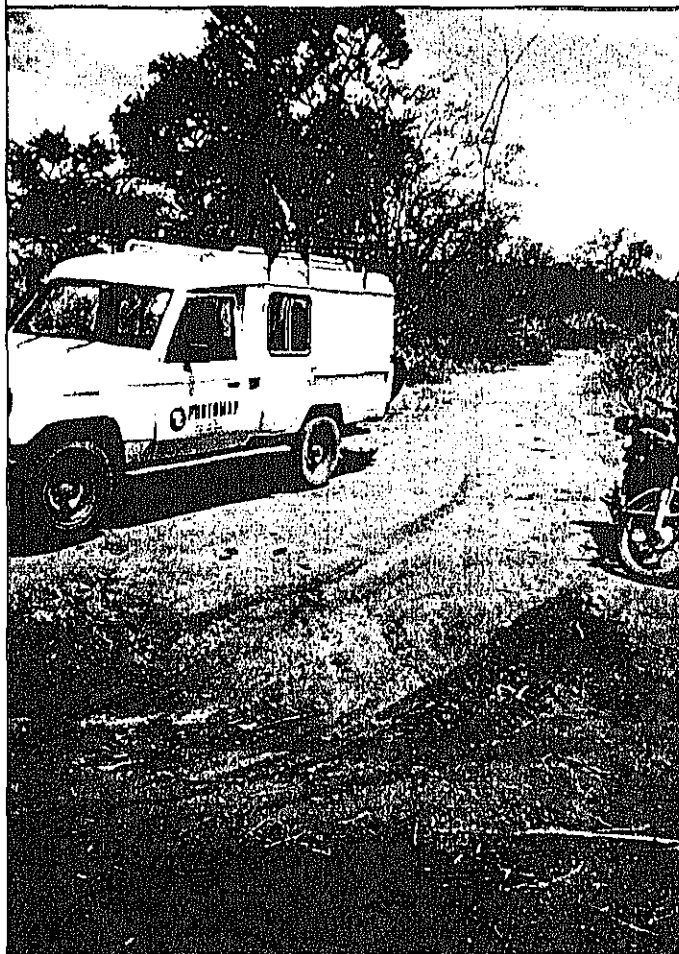
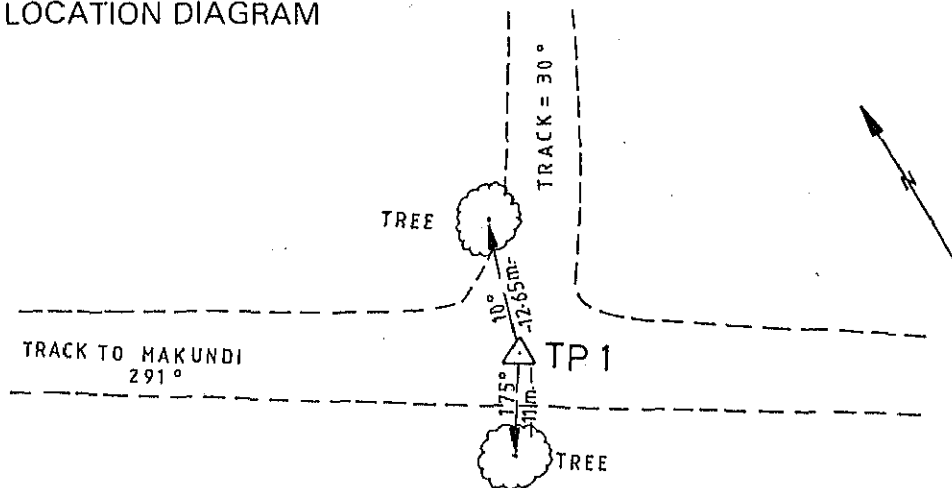
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. TP1

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 761 000.00	EASTING: 382 680.00	HEIGHT: 782.00

LOCATION DIAGRAM



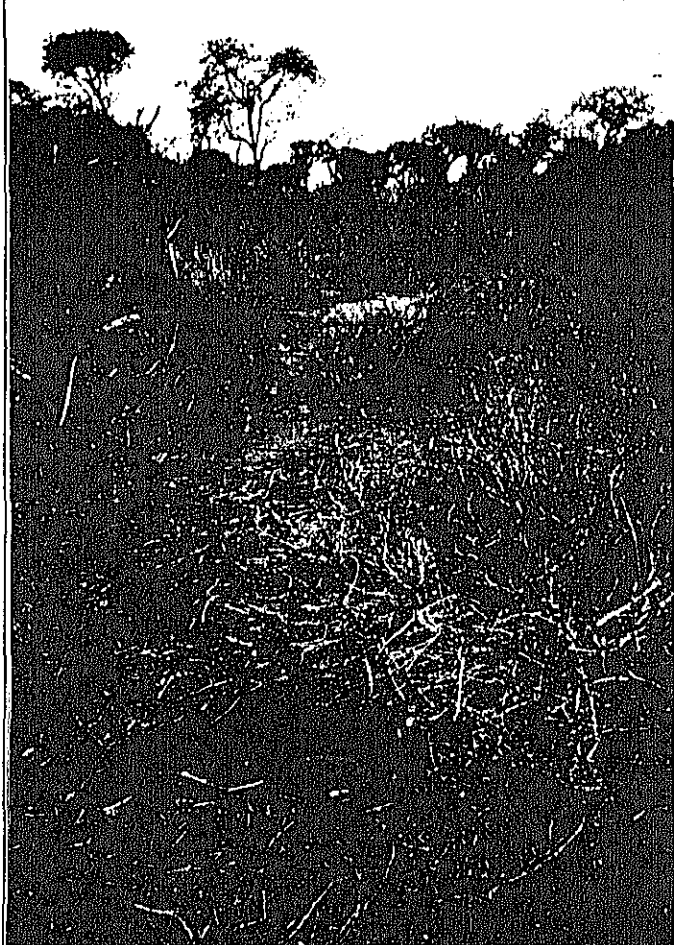
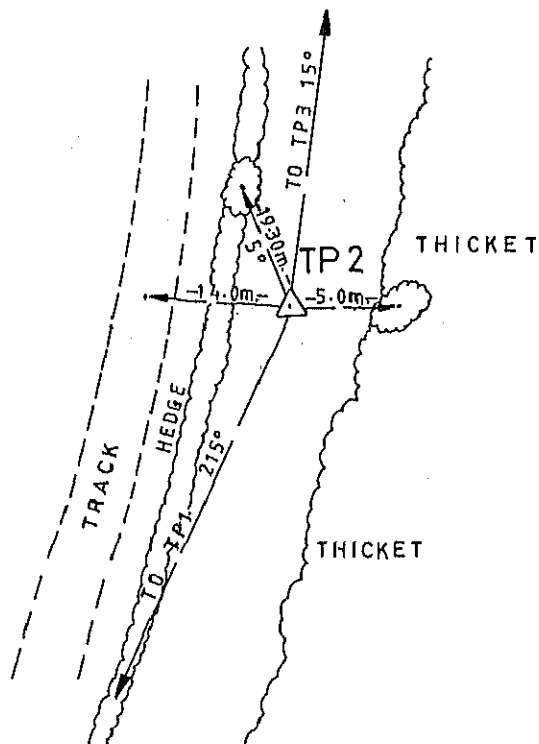
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. TP 2

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 761 870.08	EASTING: 382 869.11	HEIGHT: 783.44

LOCATION DIAGRAM



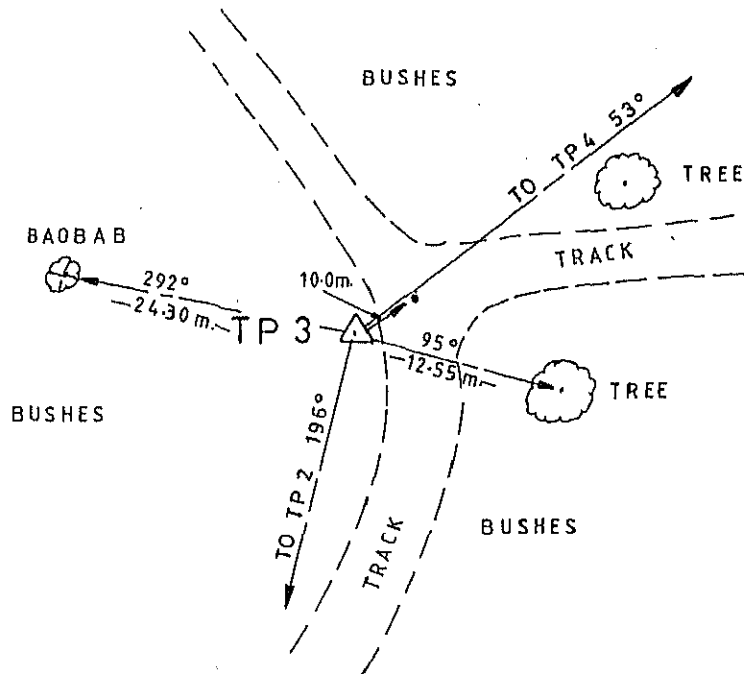
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. TP 3

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 196.74	EASTING: 382 970.72	HEIGHT: 789.83

LOCATION DIAGRAM



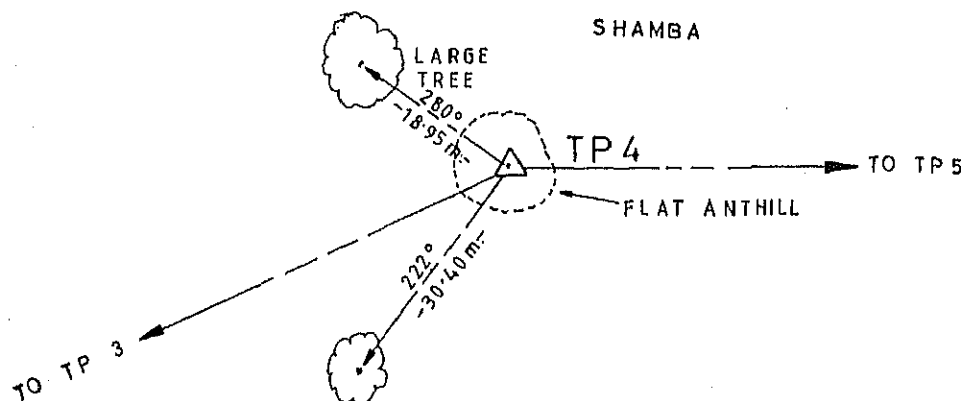
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. TP4

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 325.14	EASTING: 383 153.42	HEIGHT: 790.10

LOCATION DIAGRAM



SURVEY MARK DESCRIPTION

YATTA DAMSITE

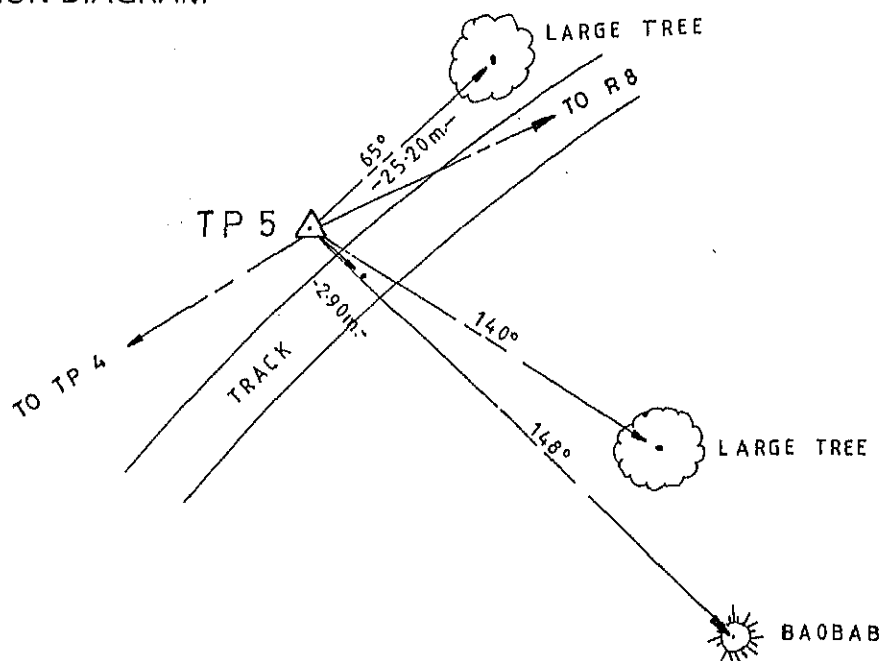
COUNTRY: KENYA

JOB No. J1061

POINT No. T.P 5

TYPE: TRAVERSE	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 286.19	EASTING: 383 899.33	HEIGHT: 774.77

LOCATION DIAGRAM



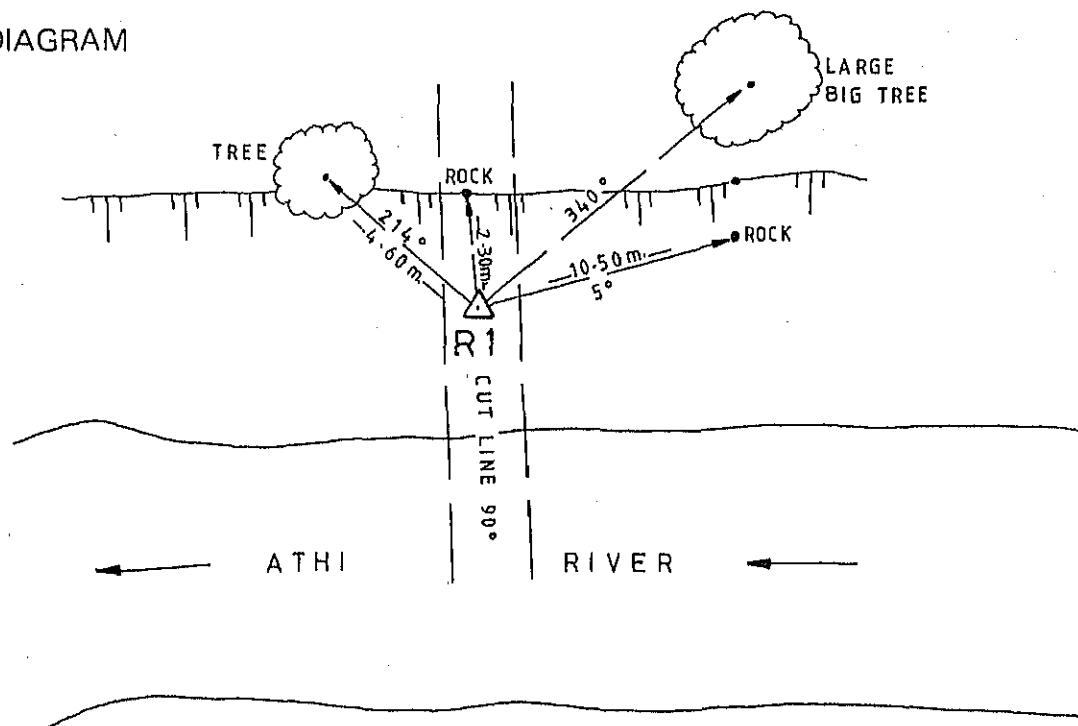
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R 1

TYPE: TRAVERSE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 332.31	EASTING: 384 690.01	HEIGHT: 729.82

LOCATION DIAGRAM

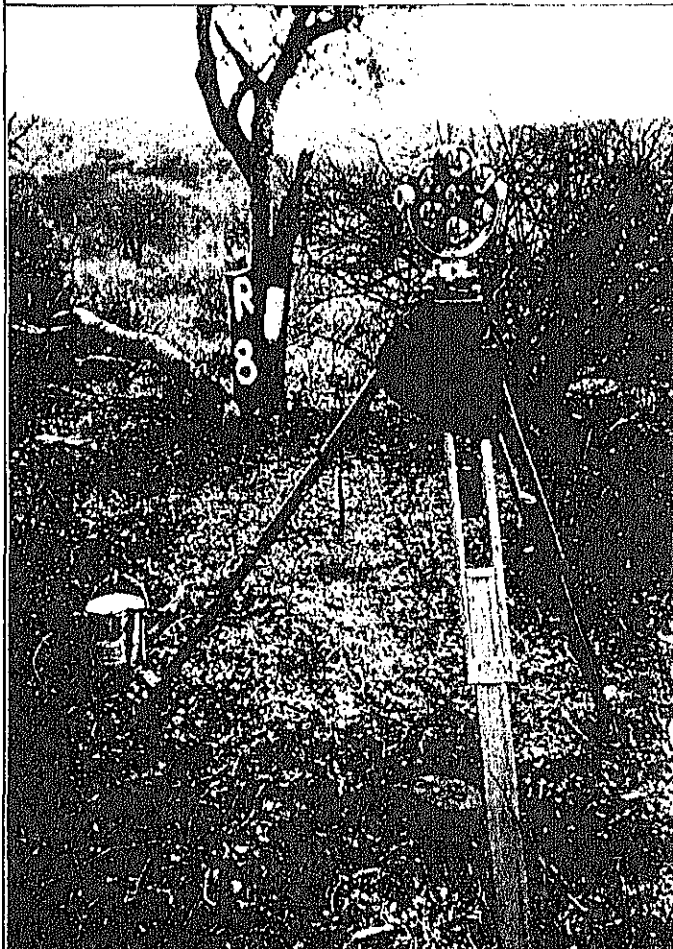
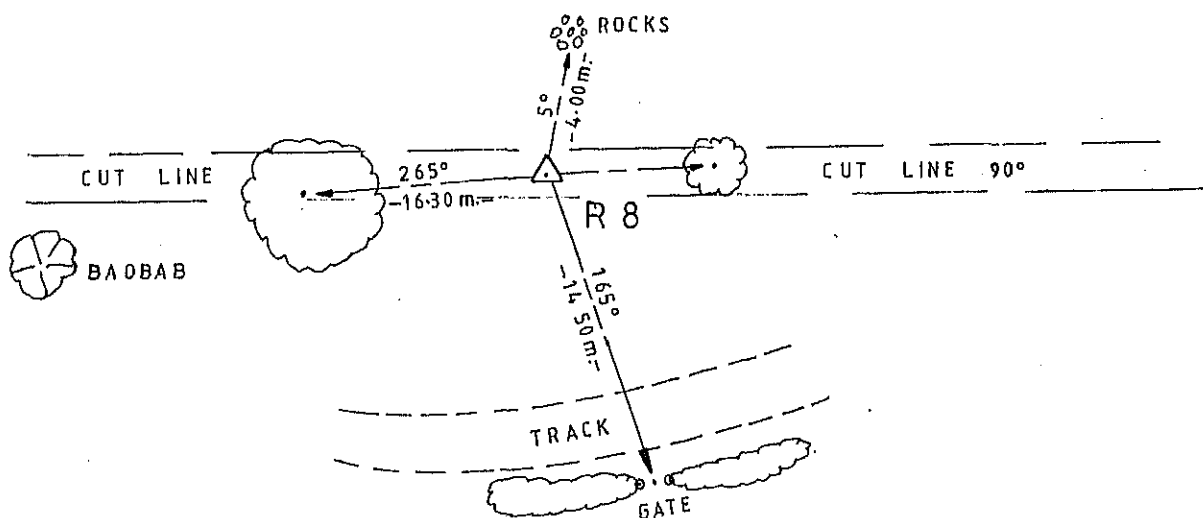


SURVEY MARK DESCRIPTION YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R 8

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 341.36	EASTING: 384 218.96	HEIGHT: 771.60

LOCATION DIAGRAM



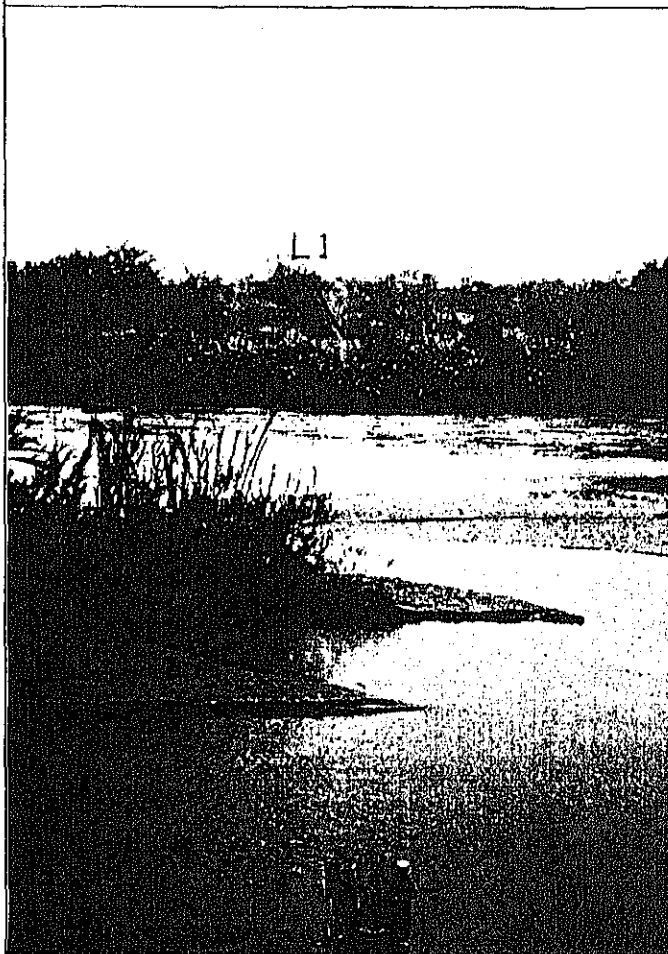
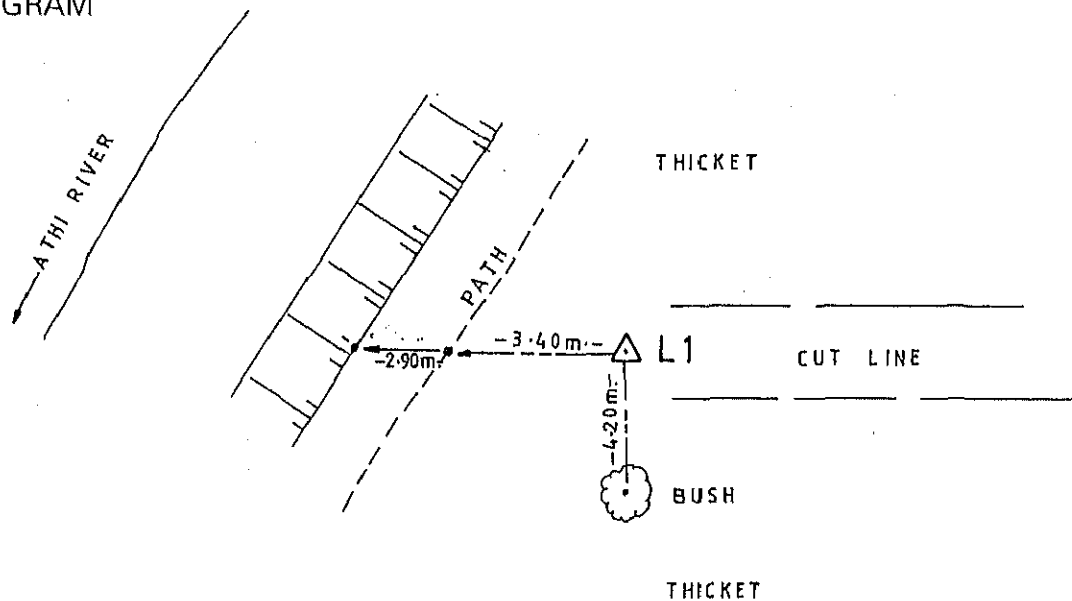
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. L1

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 329.83	EASTING: 384 822.72	HEIGHT: 733.20

LOCATION DIAGRAM



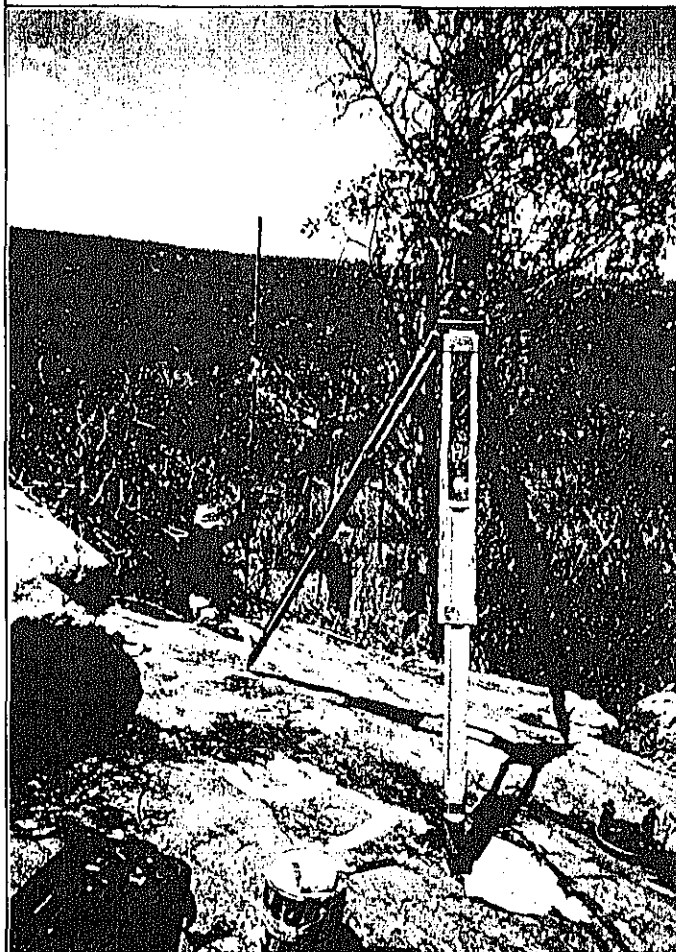
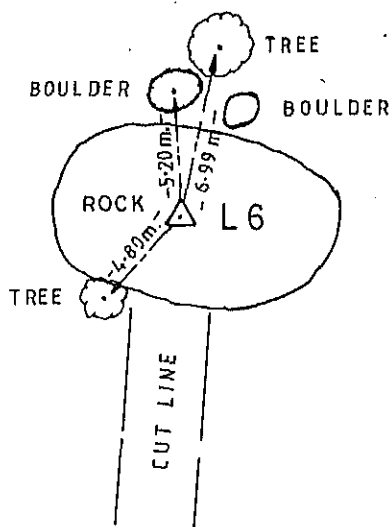
SURVEY MARK DESCRIPTION

YATTA DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. L 6

TYPE: PROFILE POINT	DESCRIPTION: HOLE IN ROCK	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 762 321.38	EASTING: 385 461.04	HEIGHT: 794.63

LOCATION DIAGRAM



BARICHO DAMSITE

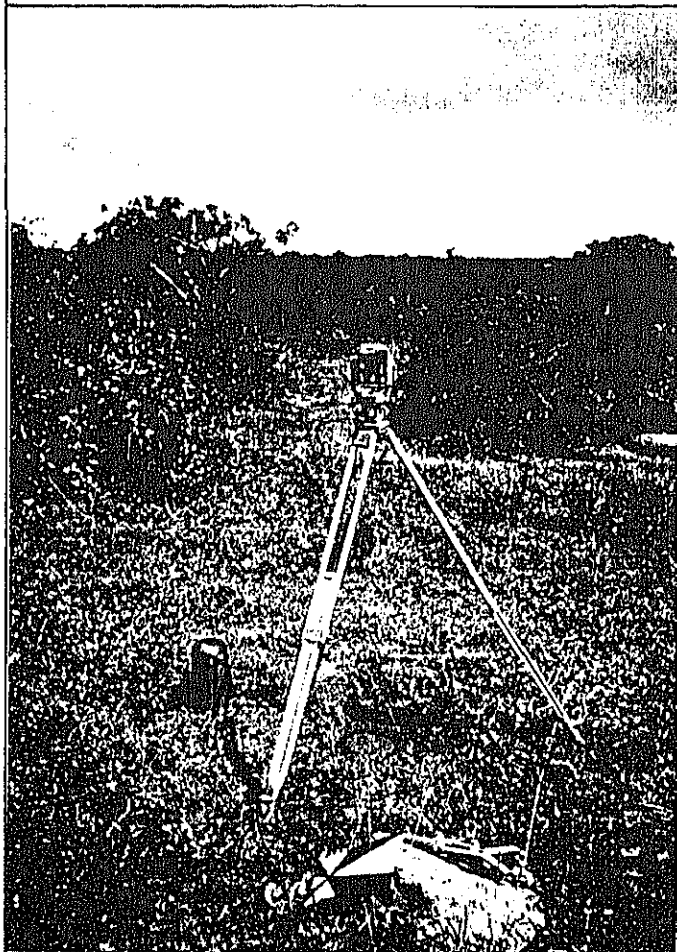
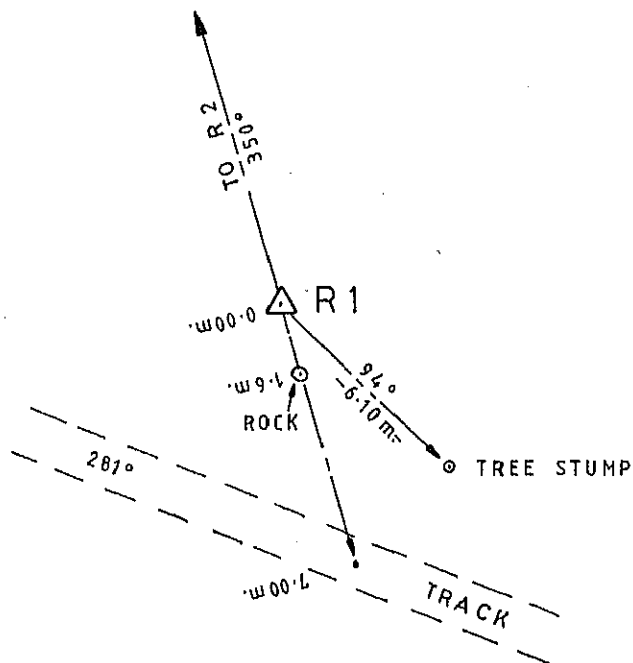
SURVEY MARK DESCRIPTION

BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R1

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 654 594.02	EASTING: 585 832.21	HEIGHT: 89.53

LOCATION DIAGRAM



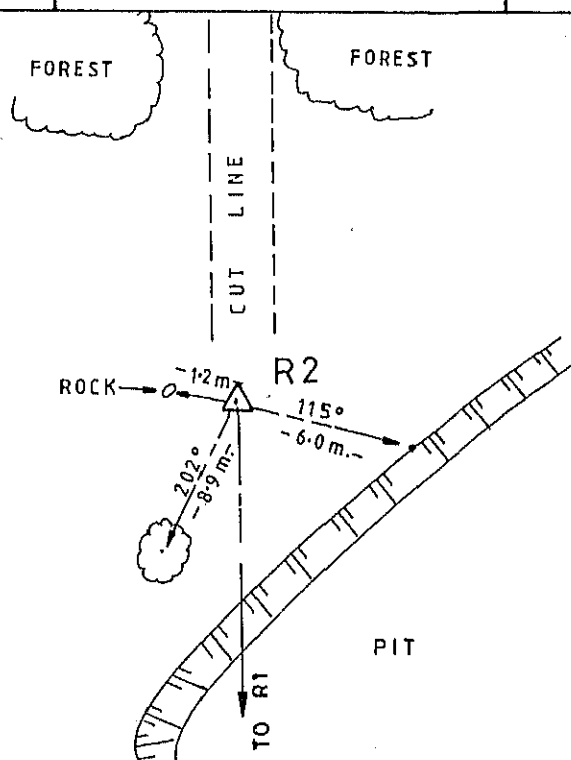
SURVEY MARK DESCRIPTION

BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R 2

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 654 673.37	EASTING: 585 817.65	HEIGHT: 85.64

LOCATION DIAGRAM



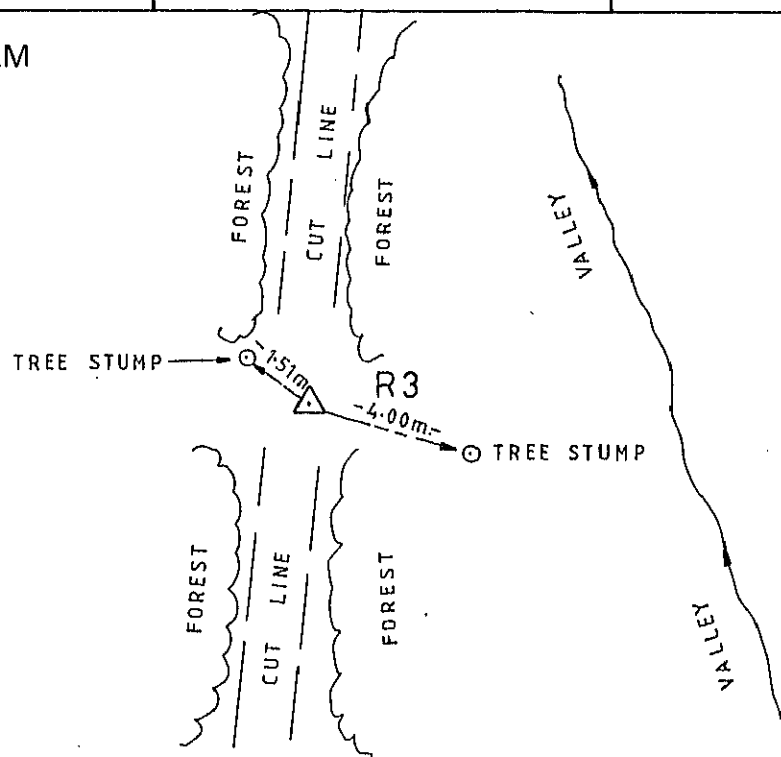
SURVEY MARK DESCRIPTION

BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R3

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 654 794.66	EASTING: 585 795.39	HEIGHT: 75.44

LOCATION DIAGRAM



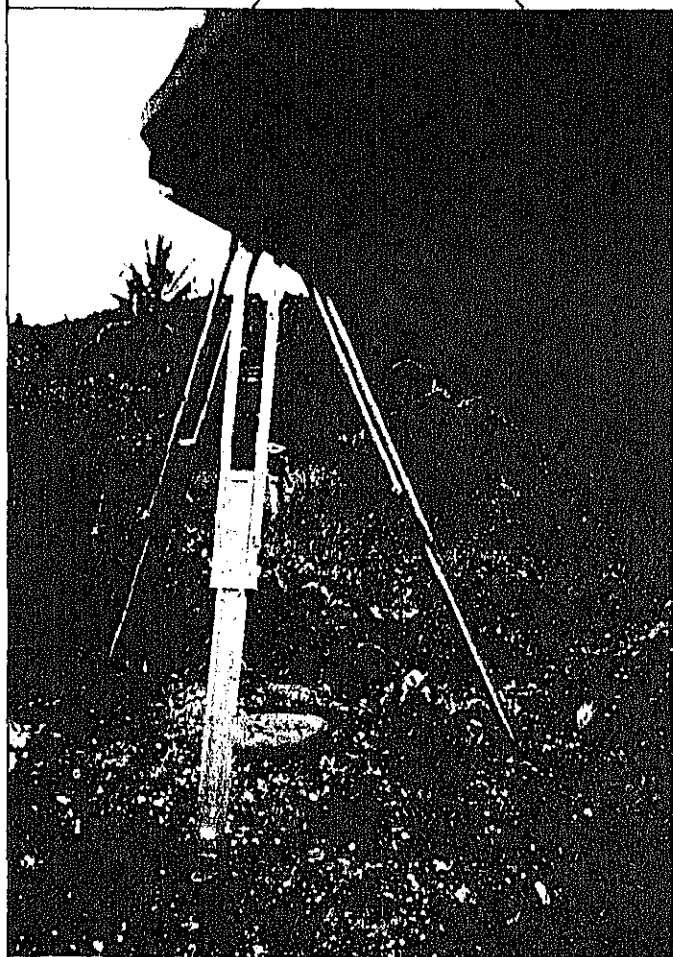
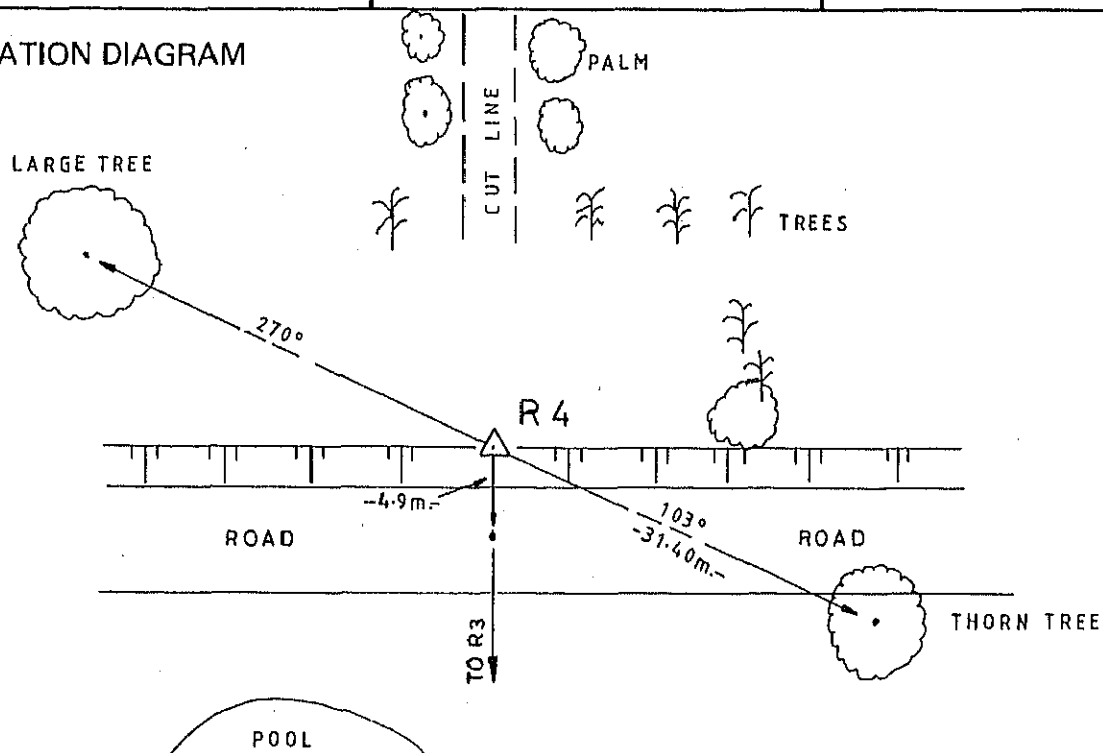
SURVEY MARK DESCRIPTION

BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R 4

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 654 924.68	EASTING: 585 771.53	HEIGHT: 61.88

LOCATION DIAGRAM



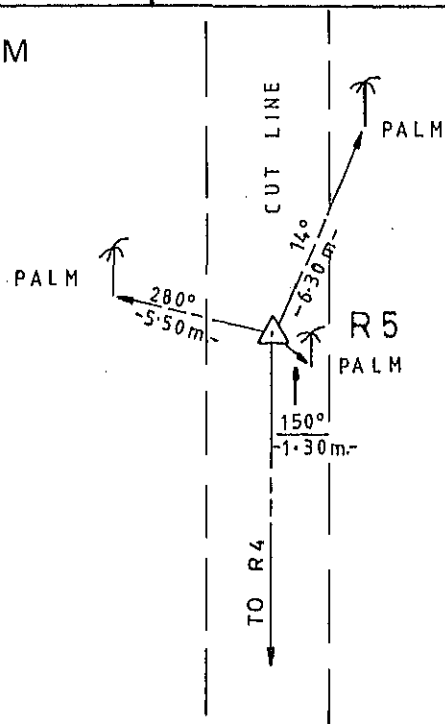
SURVEY MARK DESCRIPTION

BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R 5

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 655 032.84	EASTING: 585 751.67	HEIGHT: 55.86

LOCATION DIAGRAM



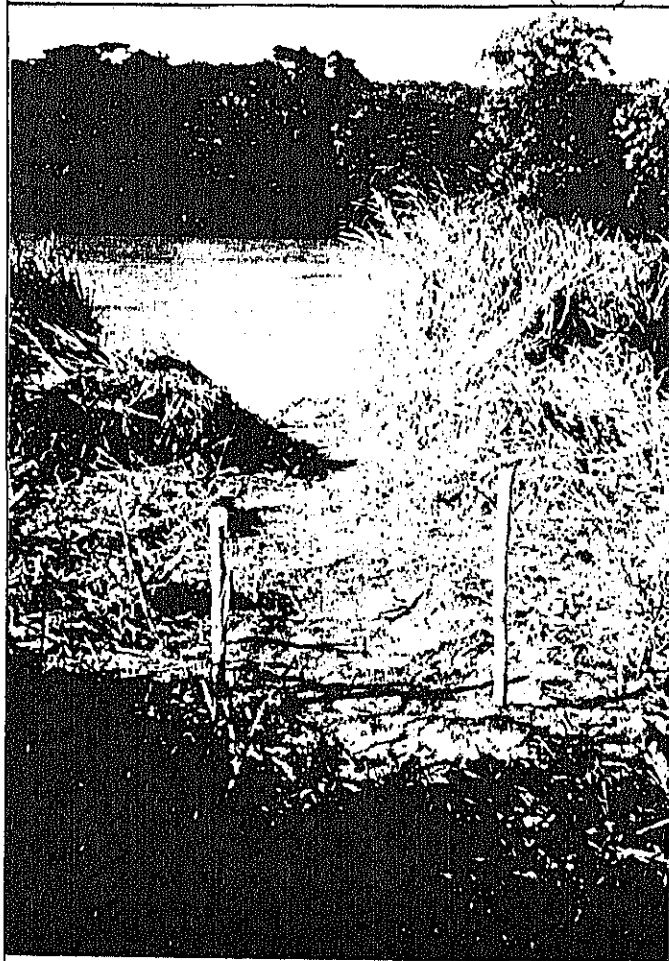
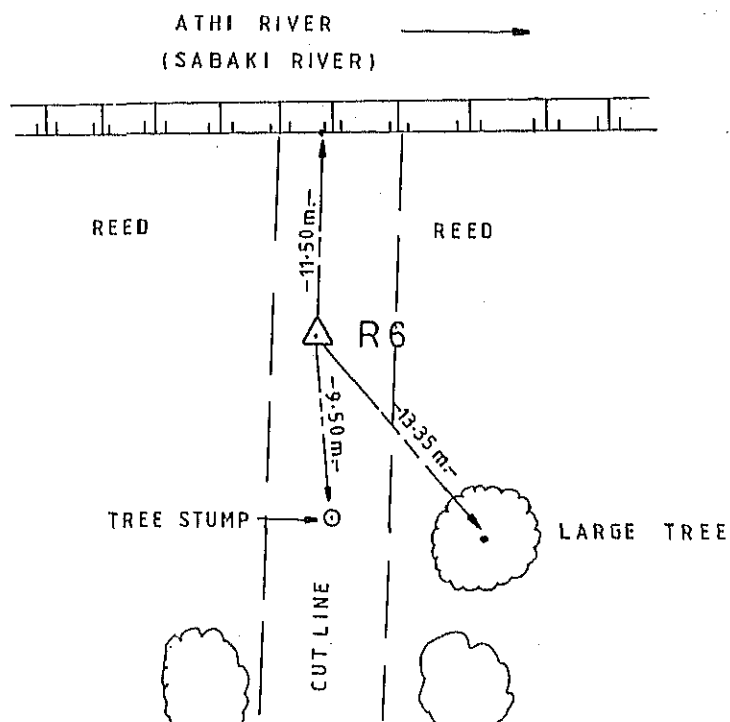
METHOD OF APPROACH

SURVEY MARK DESCRIPTION BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. R. 6

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 655 174.30	EASTING: 585 725.71	HEIGHT: 55.74

LOCATION DIAGRAM



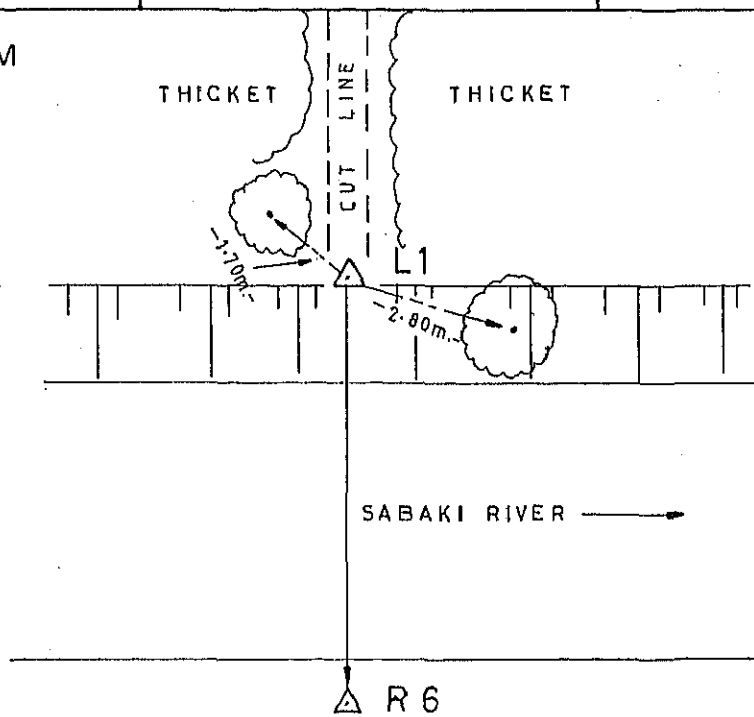
SURVEY MARK DESCRIPTION

BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. L1

TYPE: PROFILE POINT	DESCRIPTION: IPC	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 655 294.54	EASTING: 585 703.64	HEIGHT: 56.75

LOCATION DIAGRAM

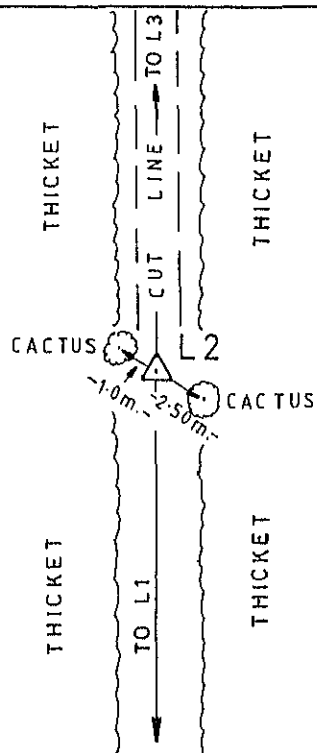


SURVEY MARK DESCRIPTION BARICHO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. L 2

TYPE: PROFILE POINT	DESCRIPTION: I.P.C.	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: F. VOGEL
NORTHING: 9 655 397.08	EASTING: 585 684.82	HEIGHT: 77.31

LOCATION DIAGRAM



METHOD OF APPROACH

**PART II : SURVEY MARK DESCRIPTION
OF HEIGHT POINTS**

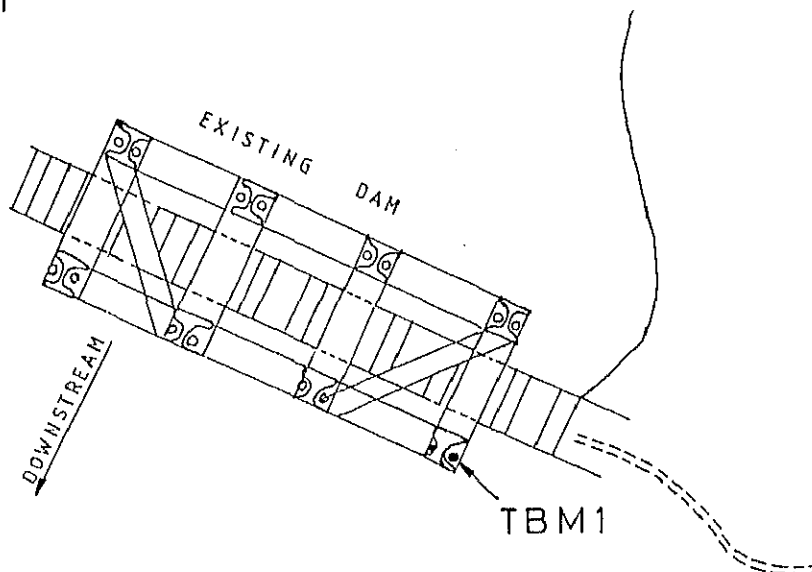
SURVEY MARK DESCRIPTION

KATIENO DAMSITE

COUNTRY: KENYA JOB No. J1061 POINT No. TBM 1

TYPE: T.B.M.	DESCRIPTION: BOLT/NUT IN CONCRETE	PHOTO NO.
MAP SHEET No.	DATE: NOV. 1990	SURVEYOR: KARIOKI
NORTHING: -	EASTING: -	HEIGHT: 1235.59

LOCATION DIAGRAM



TBM IS A BOLT AND NUT IN CONCRETE SUPPORTING STEEL GIRDER AT INTAKE OF EXISTING DAM



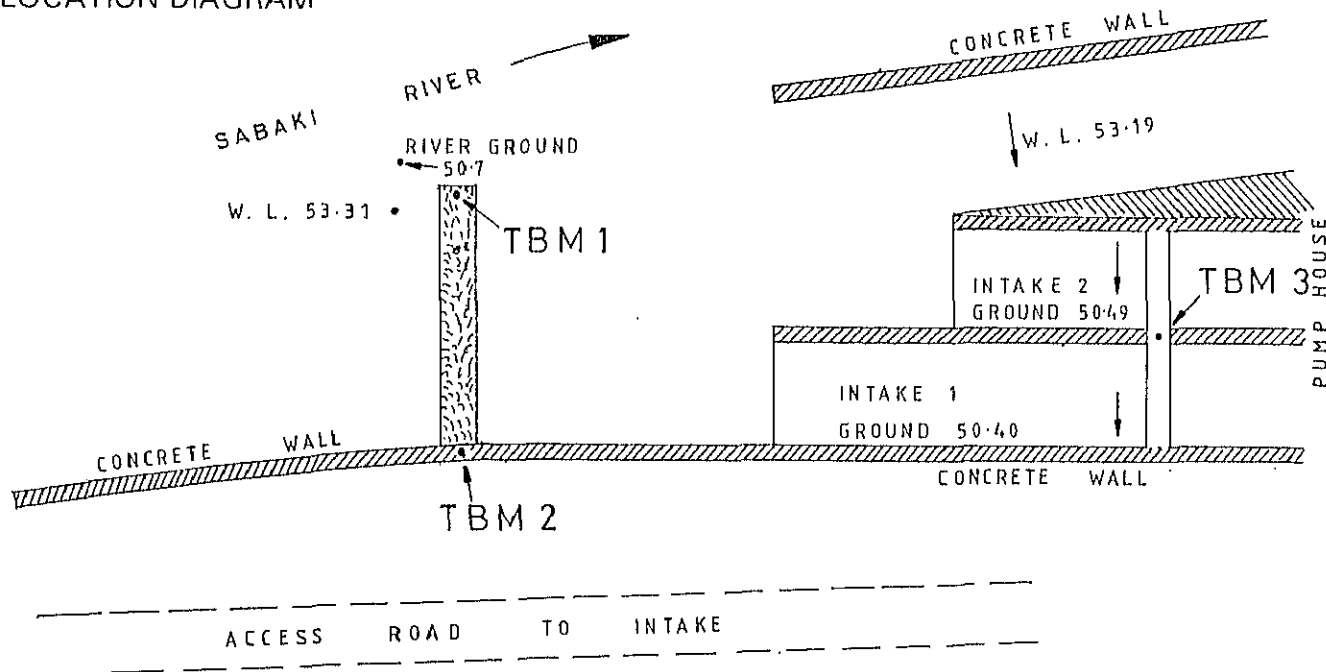
SURVEY MARK DESCRIPTION

BARICHO DAMSITE EXISTING WATER INTAKE

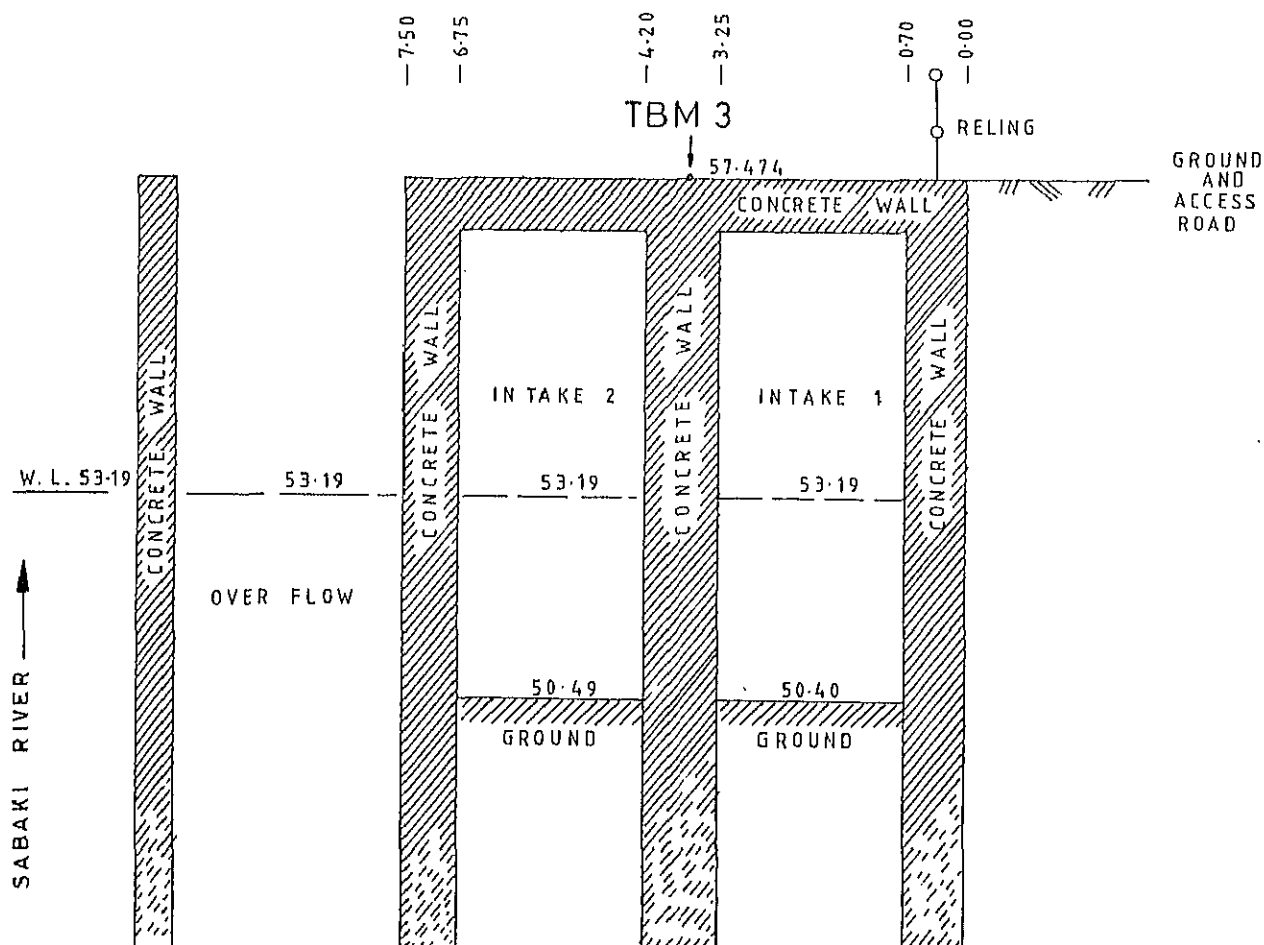
COUNTRY: KENYA JOB No. J1061 POINT No.

TYPE: HEIGHT POINTS	DESCRIPTION:	PHOTO NO.
MAP SHEET No.	DATE: 19.11.90	SURVEYOR: F. VOGEL
NORTHING:	EASTING:	HEIGHT:

LOCATION DIAGRAM



METHOD OF APPROACH



PART III : PHOTO OF SURVEY WORKS

Photos of Field Work

1. Leveling (Rambula Damsite)

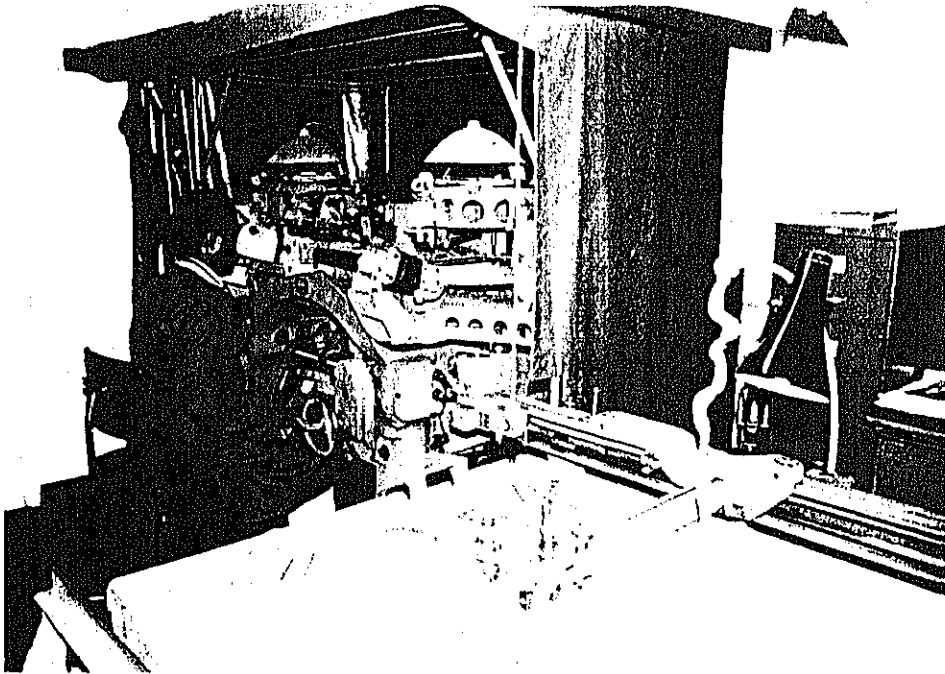


2. Traversing (Baricho Damsite)



Photos of Indoor Work

1. Plotting



2. Drawings

