

ANNEX 1

-Method application. Manual and pumping

-Period application. According to sampling

-Utilized quantity. No data

NOTE 1: Only coffee seeding data was proporcionated.

NOTE 2: Coffee for import and has estricted quality control.

Information was supplied by: Ing. Edgar Ramirez, General Manager.

-Method application.

Manual and pumping.

-Period application.

Two times a year, According to Sampling.

-Utilized quantity.

Desistol granulado = 72 qq.

Caunter = 72 qq.

Mocap = 72 qq.

NOTES:

Utilization of the recourse water for irrigation, to pumping 350 gal./minute, 8 hours daily.

Information was supplied by Lic. Danilo Vasquez, General Manager.

-Method application.

Manual and Pumping.

-Period application.

One time at Year.

-Utilized quantity.

Terbofoz = 60 qq.

Belpar, Carmiz, Randon (Aprox. 300 gals.).

NOTE:

Utilization of the recourse water for irrigation, the Villa Lobos River is used in january to april, damming used 10 hours daily = 2,500 gals/mir

Information was supplied by Ing. Alfredo Ortíz Garzo, Investigation Chief

D. USE FERTILIZERS.

-Does fertilizer use? yes X no

-Fertilizer class. Urea

 Complejo para almácigo= 1050-0

-Method application. Manual

-Utilized quantity. Urea= 1,000 qq= 6.6 qq *manzanas

and Period of Application Completo= 700 qq= 4.6 qq * manzanas

 One time a year (in month July)

-Knowledge of organic fertilizers. yes X no

-Would you deal with applying them? yes X no

E. USES (BIOCIDAS)

-Do you use (biocida)? yes X no

-Specify class and name? Thiodan

 Aceite triona (adherente)

-Method application.

Manual and pumping

-Period application.

Twice a year according to sampling

(in August and December)

-Utilized quantity.

Thiudan= 72 gals

Aceite triona= 27 galones

This information was supply by: Mr. Víctor Díaz Sánchez.

**STUDY FOR THE IMPROVEMENT
OF THE MANAGEMENT THE RESIDUAL WATERS
INTO THE METROPOLITAN AREA OF GUATEMALA.**

A. GENERAL INFORMATION

-Name. GRANJA "LAS BRISAS" Arrendada por "TRANSCAFE".

-Unicipality of the farm Mixco, Guatemala.

-Localization map Km. 18, Road to San Juan Sac. Co-ordinate 58-22

-Area farm 10 Manzanas.

B. PRODUCT

-Name of products And product area Chinese green bean, (Arbeja China)

4 Manzanas.

-Annual estimated production. Kg (Ton) Tree harvest a Year.

C. UTILIZATION OF THE RECOURSE WATER FOR IRRIGATION.

Source supply.

-Well.	yes _____	no <u>X</u> _____
-Appropriate headwater.	yes _____	no <u>X</u> _____
-River.	yes _____	no <u>X</u> _____
-Rain.	yes _____	no <u>X</u> _____

NOTE:

None water suply, it is buying Cistern, (Aproximate 2,000 gals),
Every to months.

D. USE FERTILIZERS.

-Does fertilizer use? yes X no _____

-Fertilizer class. Fuente Orgánico.

Cal

10-28-0

-Method application. Manual and Watering Trickle.

-Utilized quantity. Seedling initial.

AND PERIOD OF APPLICATION:

Fuerte Orgánico = 288 qq.

Cal = 288 qq. 10-28-0 = 144 qq.

-Knowledge of organic fertilizers. yes X no _____

-Would you deal with applying them? yes X no _____

E. USES [BIOCIDAS]

-Do you use [biocida]? yes X no _____

-Specify class and name? THIODAN, MALATHION, CHAMPION,

FERBAN, DIAZINON.

-Method application.

Pumping and Watering Trickle.

-Period application.

Wet Season wvery four days.

Dry Season every week.

-Utilized quantity.

THIODAN = 96 lts., MALATHION = 15 lts.

CHAMPION = 96 lts., FERBAN = 15 lts.,

DIAZINON = 28 lts.

NOTE:

Information was supplied by Ing. Agr. Carlos Barillas, General Manager.

-Method application.

-Period application.

-Utilized quantity.

NOTE:

Information was supplied by Mr. Ignacio Jimenez Hernandez, General Manager.

D. USE FERTILIZERS.

-Does fertilizer use?

yes X no

-Fertilizer class.

 Urea

 Triple (20-20-20)

-Method application.

 Manual

-Utilized quantity.

	Corn		Coffee		Total
Urea=	150 qq	-	80 qq	=	230 qq

AND Period of Application

 Triple (20-20-20)=100 qq = 100 qq

 One time a year

-Knowledge of organic fertilizers.

yes X no

-Would you deal with applying them?

yes X no

E. USES [BIOCIDAS]

-Do you use [biocida]?

yes X no

-Specify class and name?

 Volaton

 Malation

 Thiodan

-Method application.

Manual and pumping

-Period application.

According to sampling (May-June)

-Utilized quantity.

Volaton= 30 qq

Malation= 30 Lts.

Thiodan= 40 Lts.

The information was supplied by: Agr.Santiago Chicol. General Manager.

**STUDY FOR THE IMPROVEMENT
OF THE MANAGEMENT THE RESIDUAL WATERS
INTO THE METROPOLITAN AREA OF GUATEMALA.**

A. GENERAL INFORMATION

-Name. COMPANIA "CHESTNUT HILL S.A."

-Unicity of the farm Fraijanes, Guatemala.

-Localization map Km.24, Road to El Salvador, Co-ordinate 72-02 to 73-01

-Area farm 96 Manzanas.

B. PRODUCT

-Name of products And product area Strawberry

35 - 60 Manzanas.

-Annual estimated production. Kg (Ton) No data.

C. UTILIZATION OF THE RECOURSE WATER FOR IRRIGATION.

Source supply.

-Well. yes X (2) no _____

-Appropriate headwater. yes _____ no _____

-River. yes _____ no _____

-Rain. yes _____ no _____

-Method application.

Manual and Pumping.

-Period application.

6 Months in dry season,

Every 15 days.

-Utilized quantity.

CAPTAN = 30 qq.

PENOMIL = 16 qq.

NOTE:

Information was supplied by Ing. José Bran, Production chief.

-Method application.

Manual pumping

-Period application.

One time at year.

(According to sampling).

-Utilized quantity.

Thiodan= 24 Lts.

Aerofos= 132 Lbs.

Counter= 132 Lbs.

The information was supplied by: Mr. Donato Moguel.

-Method application.

Manual and pumping.

-Period application.

Twice at year.

-Utilized quantity.

TAMARON = 64 lts/year.

CIDIAL = 64 lts/year.

NOTE:

Information was supplied by: Mr. Jackson García Proprietary.

**STUDY FOR THE IMPROVEMENT
OF THE MANAGEMENT THE RESIDUAL WATERS
INTO THE METROPOLITAN AREA OF GUATEMALA.**

A. GENERAL INFORMATION

-Name. CASERIO "LOS ANGELES"

-Unicity of the farm Zona 17, Guatemala

-Localization map Regado a la rivierra del Río Los Ocotés, intersección del camino a Lo
tes y Las Carcoitas. Co-ordenades 78-21.

-Area farm 9 manzanas

B. PRODUCT

-Name of products And product area Hog pear= 3 manzanas

Corn= 4 manzanas

-Annual estimated production. Kg (Ton) Hog pear= 225 qq

Corn= 200 qq

C. UTILIZATION OF THE RECOURSE WATER FOR IRRIGATION.

Source supply.

-Well. yes _____ no _____

-Appropriate headwater. yes _____ no _____

-River. yes X no _____

-Rain. yes _____ no _____

Watering of Los Ocotés to hog pear.

-Method application.

Manual pumping

-Period application.

Every month, every six months.

-Utilized quantity.

Tamaron= 54 Lts.

Folipol= 54 Lts.

This information was supplied by: mr. agustin alvizurez, Agronomist.

**STUDY FOR THE IMPROVEMENT
OF THE MANAGEMENT THE RESIDUAL WATERS
INTO THE METROPOLITAN AREA OF GUATEMALA.**

A. GENERAL INFORMATION

-Name. FINCA "RANCHITO DULCE"

-Unicpality of the farm Zona 18, Guatemala

-Localzation map Entrada colonia El rosario
Co-cordenades 24-72 and 23-71

-Area farm 5 Caballerias

B. PRODUCT

-Name of products And product area Coffee= 116 manzanas

Forrest.

-Annual estimated production. Kg (Ton) Coffee= 27,600 qq (ripe)
Coffee= 6,270 qq (pergamino)

C. UTILIZATION OF THE RECOURSE WATER FOR IRRIGATION.

Source supply.

-Well. yes X no _____

-Appropriate headwater. yes _____ no _____

-River. yes _____ no _____

-Rain. yes _____ no _____

D. USE FERTILIZERS.

-Does fertilizer use? yes X no _____

-Fertilizer class. Urea, cal dolomitica, zinc, boro, cobre,
cittowet

-Method application. Watering pump

-Utilized quantity.
and period of application Urea= 628 qq/year
Cal dolomitica= 600 qq/year
zinc= 1,485 Lts/year
Boro= 183 Lbs./year
Cobre= 279 Lbs/year
Cittowet= 205 Lts./year.
Mar and August at year

-Knowledge of organic fertilizers. yes X no _____

-Would you deal with applying them? yes X no _____

E. USES [BIOCIDAS]

-Do you use [biocida]? yes _____ no _____

-Specify class and name? Nemacur
Captafor

-Method application.

Manual pumping

-Period application.

According to sampling

-Utilized quantity.

Minimum

The information was supplied by:

Mr. David Huas Piril, General Manager
Mr. Raul Ramirez, Technical Agronomist
Mr. Fredy Sandoval, Laborer

D. USE FERTILIZERS.

-Does fertilizer use?

yes X no

-Fertilizer class.

 Muriato de Potasio, Urea, 10-50-0,
 Nitrato de calcio, Nitrato de potasio,
 fosforo, fowl manure.

-Method application.

 Watering trickle.

-Utilized quantity.

AND PERIOD OF APPLICATION:

 One time every three months, Muriato de Potasio = 1,200
 qq/year, Urea = 720 qq/year, 10-50-0 = 1,480 qq/year.,
 fowl manure = 1,600 qq. Nitrato de Potasio = 88 qq/year
 fosforo = 6 qq./year.

-Knowledge of organic fertilizers.

yes X no

-Would you deal with applying them?

yes X no

E. USES (BIOCIDAS)

-Do you use [biocida]?

yes X no

-Specify class and name?

 TRISEL 20, GRAMOXON, DIVERINO,
 CARVENDACIN, AFALON, VOLATRON
 GRANULADO

-Method application.

Manual and pumping.

-Period application.

According to harvest.

-Utilized quantity.

TRISEL 20 = 16 qq/year, GRAMOXON = 24 lts/year.

DIVERINO = 2 qq./year, CARVENDACIN = 288 lts/year,

AFALON = 25 lbs/year, VOLATON GRANULADO = 24 lbs./year

NOTE:

This information was supplied by: Mr. Miguel Angel Argueta, General Manager.

D. USE FERTILIZERS.

-Does fertilizer use?

yes X no

-Fertilizer class.

Sulfato de amonio

Fowl manure

-Method application.

Manual

-Utilized quantity.

One time at year

and period of application

Sulfato= 240 qq/year = 4 qq/manzana

Fowl manure= 300 qq/año = 5 qq/manzana

-Knowledge of organic fertilizers.

yes X no

-Would you deal with applying them?

yes X no

E. USES [BIOCIDAS]

-Do you use [biocida]?

yes no

-Specify class and name?

Counter

-Method application.

Manual

-Period application.

One at year

-Utilized quantity.

Counter= 6 Lbs./manzana= 4 cc

The information was supplied by: Mr. Felipe de Jesús Estrada, farmer.

**STUDY FOR THE IMPROVEMENT
OF THE MANAGEMENT THE RESIDUAL WATERS
INTO THE METROPOLITAN AREA OF GUATEMALA.**

A. GENERAL INFORMATION

-Name. ALDEA "LAS CANOITAS"

-Unicity of the farm Zone 17, Guatemala.

-Localization map Coordinate 80-20 and 80-21

-Area farm 100 manzanas.

B. PRODUCT

-Name of products And product area Corn.

50 Manzanas.

-Annual estimated production. Kg (Ton) 2,000 qq. = 40 qq. per Manzana.

C. UTILIZATION OF THE RECOURSE WATER FOR IRRIGATION.

Source supply.

-Well. yes _____ no _____

-Appropriate headwater. yes _____ no _____

-River. yes _____ no _____

-Rain. yes X no _____

NOTE:

In dry season is not harvest.

-Method application.

Manual

-Period application.

One time at year.

-Utilized quantity.

VOLATON = 6 qq/year

COUNTER = 3 qq/year.

NOTE:

The information was supplied by: Mr. Jesús Reyes, farmer.

-Method application.

Manual

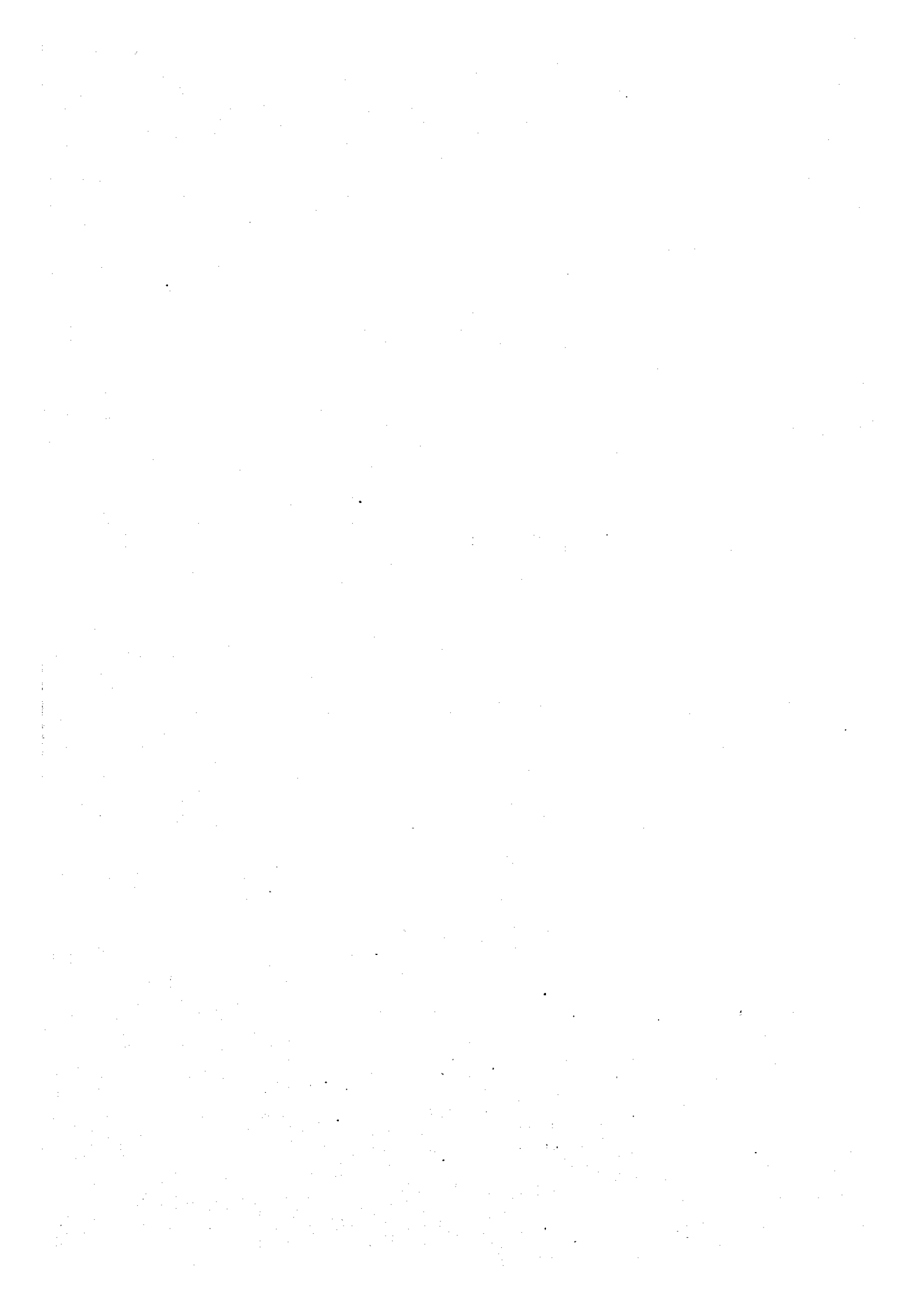
-Period application.

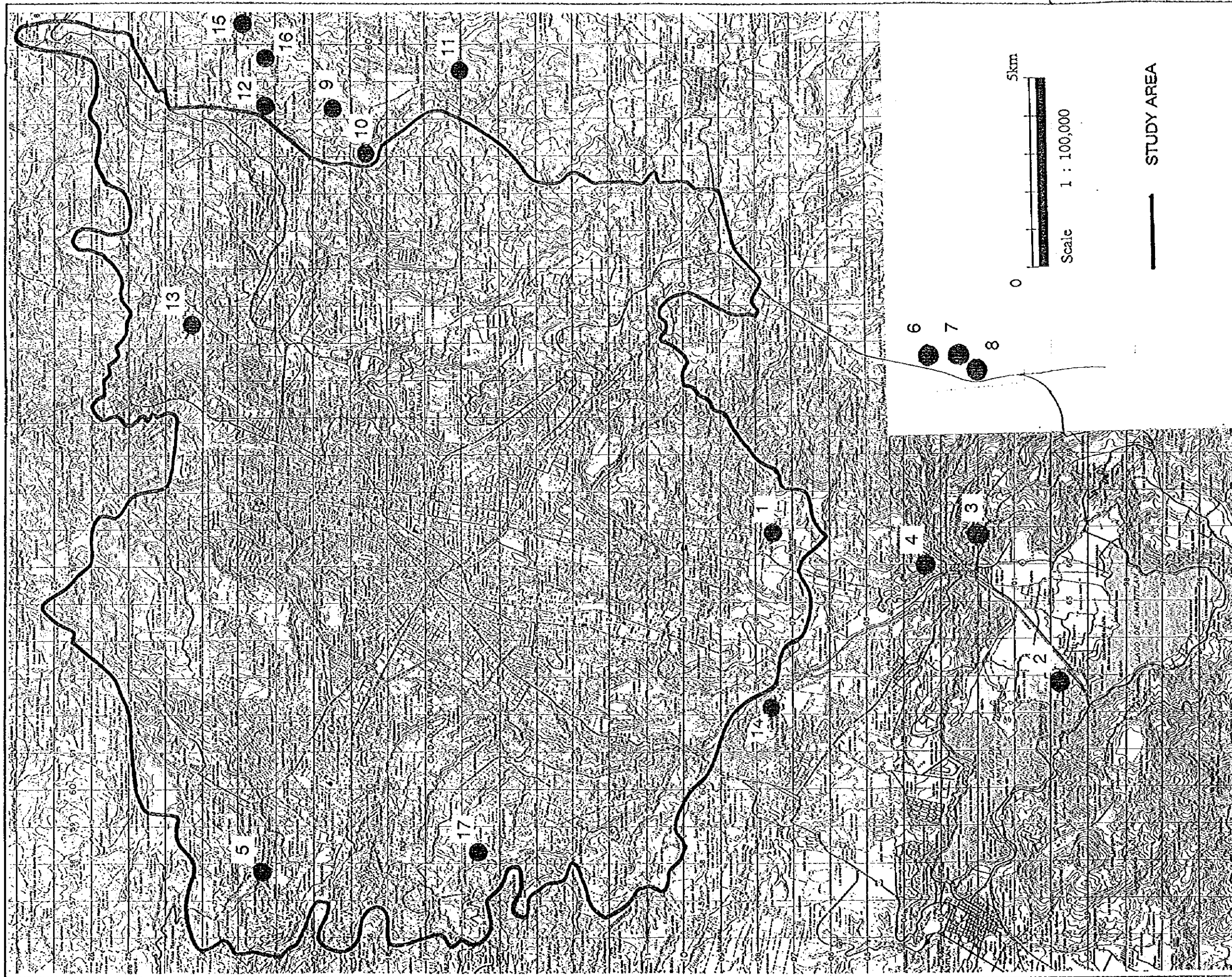
Once a year

-Utilized quantity.

Volaton= 15Lbs/manzana/year= 60 Lbs.

The information was supplied by: Mr. Juan Guarchaj, Laborer.





DB - 77

DB - 78

THE REPUBLIC OF GUATEMALA
GUATEMALA MUNICIPAL WATER
SUPPLY PUBLIC CORPORATION
(EMPAGUA)

THE STUDY ON
THE IMPROVEMENT OF WASTEWATER
MANAGEMENT IN THE GUATEMALA
METROPOLITAN AREA

JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE

LOCATION MAP OF
FARMS FOR
AGRICULTURAL SURVEY

DATA BOOK DC
PHOTOGRAPHS OF TOPOGRAPHIC AND
GEOTECHNIC SURVEYS

DATA BOOK DC

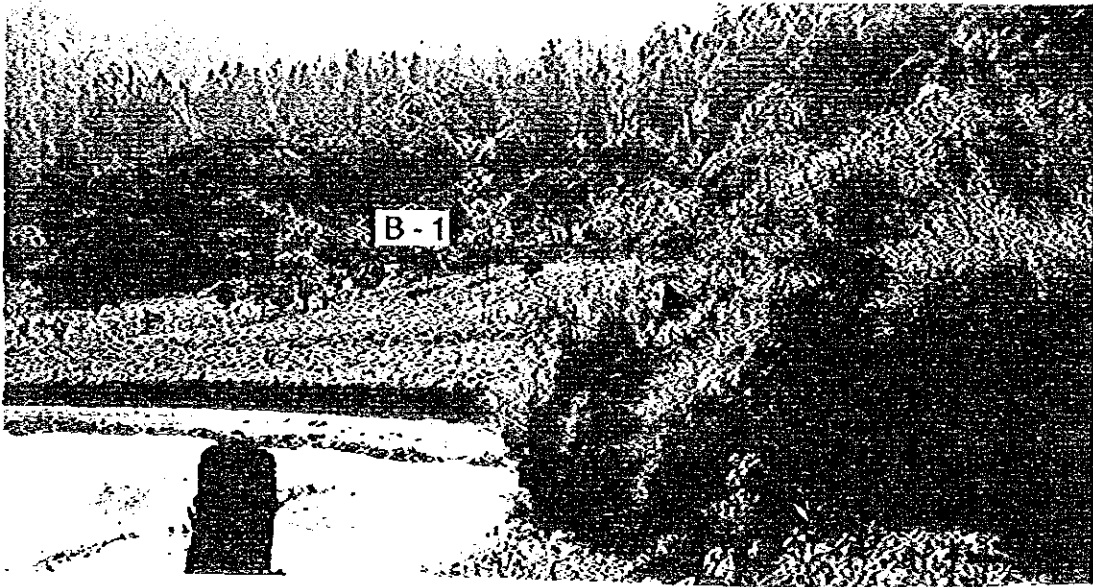
PHOTOGRAPHS OF TOPOGRAPHIC AND GEOTECHNIC SURVEYS

- DC 1 Photographs of Topographic and
Geotechnic Surveys**
- DC 2 Photographs of Borehole Logs**
- DC 3 Photographs of Benchmarks**
- DC 4 Photographs of Benchmarks**
- DC 5 Photographs of WWTP Sites**

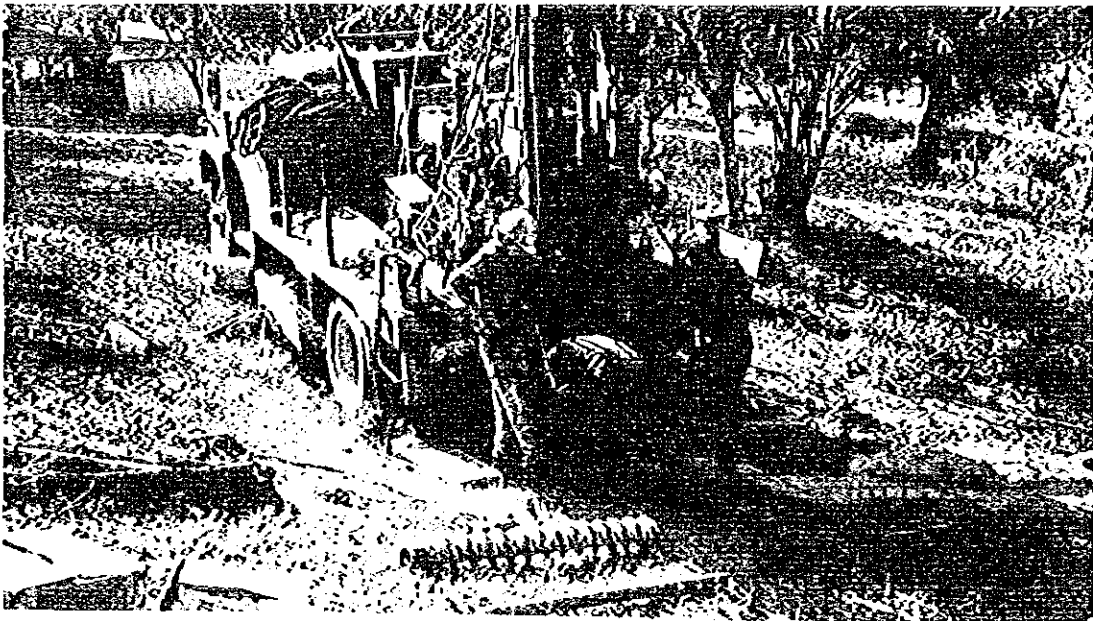


DC 1 Photographs of Topographic and Geotechnic Surveys

- DC - 1 Borehole Site B-1 (Central WWTP)
- DC - 2 Borehole Site B-1: Boring Rod with Bit Used
- DC - 3 Borehole Site B-1: Core Samples
- DC - 4 Borehole Sites B-1 and B-2
- DC - 5 Borehole Site B-6,7 (Chinautla River Crossing)(1/2)
- DC - 6 Borehole Site B-6,7 (Chinautla River Crossing)(2/2)
- DC - 7 Borehole Site B-8 (Tzalja River Crossing) (1/4)
- DC - 8 Borehole Site B-8 (Tzalja River Crossing) (2/4)
- DC - 9 Borehole Site B-8 (Tzalja River Crossing) (3/4)
- DC - 10 Borehole Site B-8 (Tzalja River Crossing) (4/4)
- DC - 11 Borehole Site B-9 (Branch of Tzalja
River Crossing) (1/2)
- DC - 12 Borehole Site B-9 (Branch of Tzalja
River Crossing) (1/2)
- DC - 13 Borehole Sites B-10 and B-11
- DC - 14 Soil Percolation Testing at Boreholes B-16 and B-19

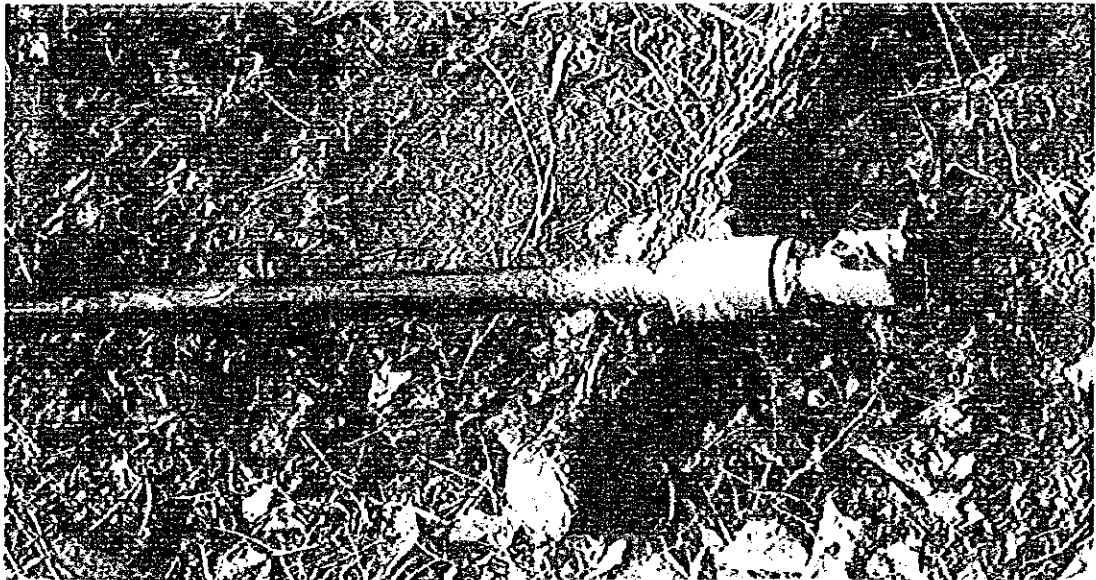


Borehole B-1 (Central WWTP Site) near Las Vacas River



Boring in Progress at Borehole B-1

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE</p> <p>BOREHOLE SITE B-1 (CENTRAL WWTP)</p>
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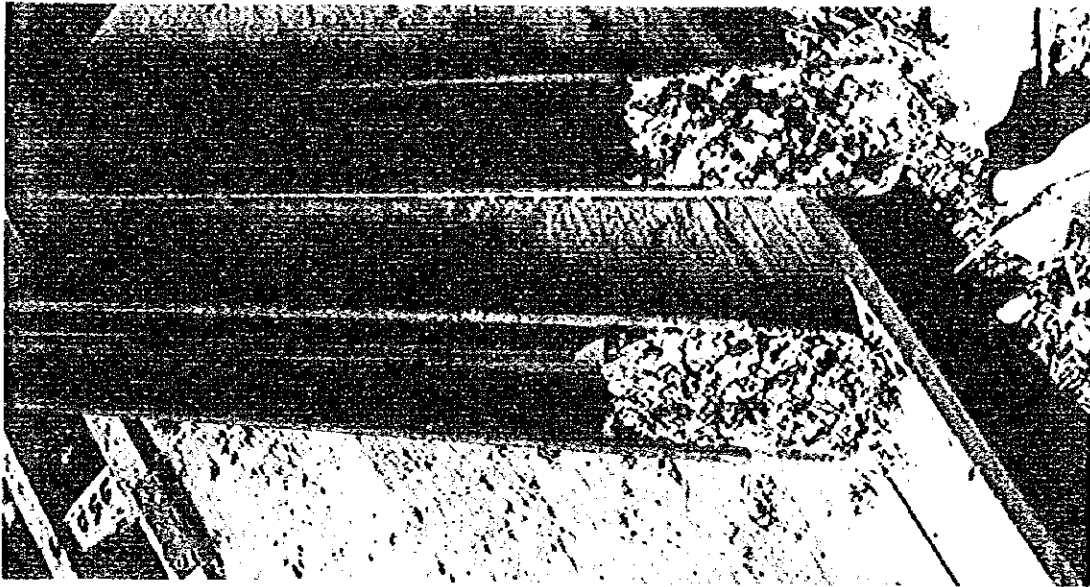


Boring Rod with Drill Bit (B-1)

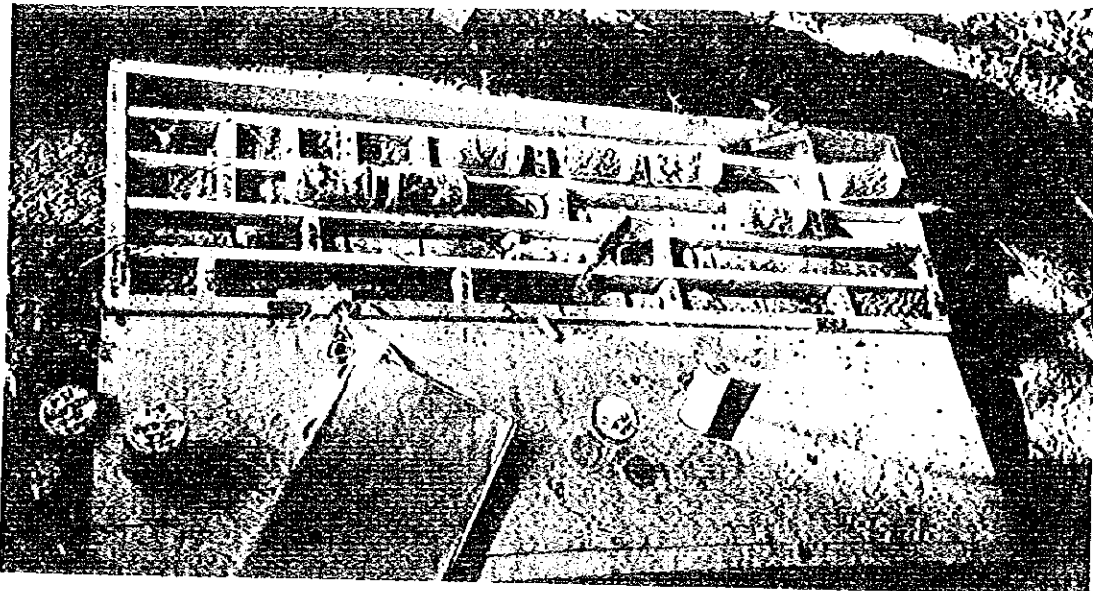


Cutting Edge of Boring Bit

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE</p> <p>BOREHOLE SITE B-1 : BORING ROD WITH BIT USED</p>
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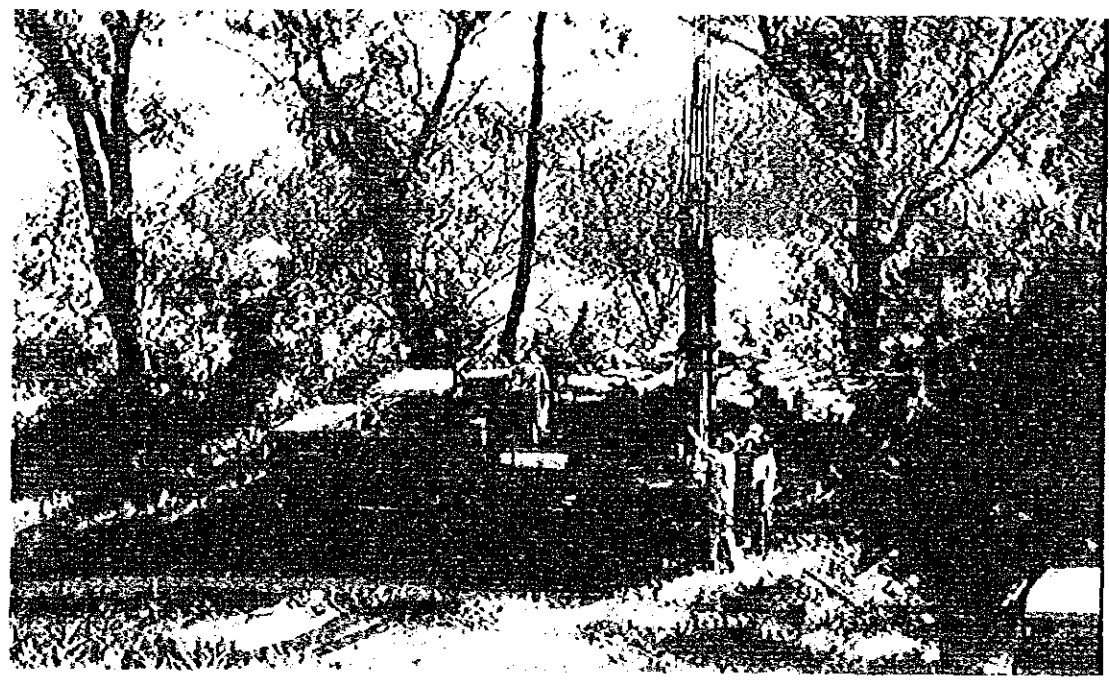


Borehole B-1: Friable Rock in the Boring Rod at 19.35 m

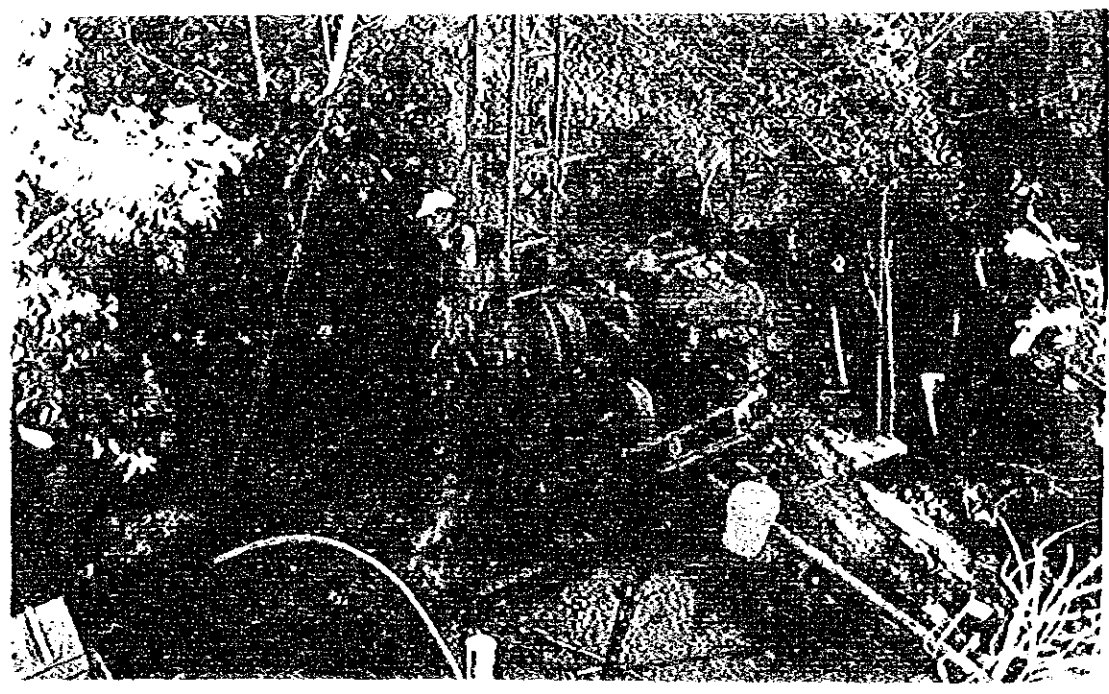


Borehole Log B-1

<p>THE REPUBLIC OF GUATEMALA GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE BOREHOLE SITE B-1 : CORE SAMPLES</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	



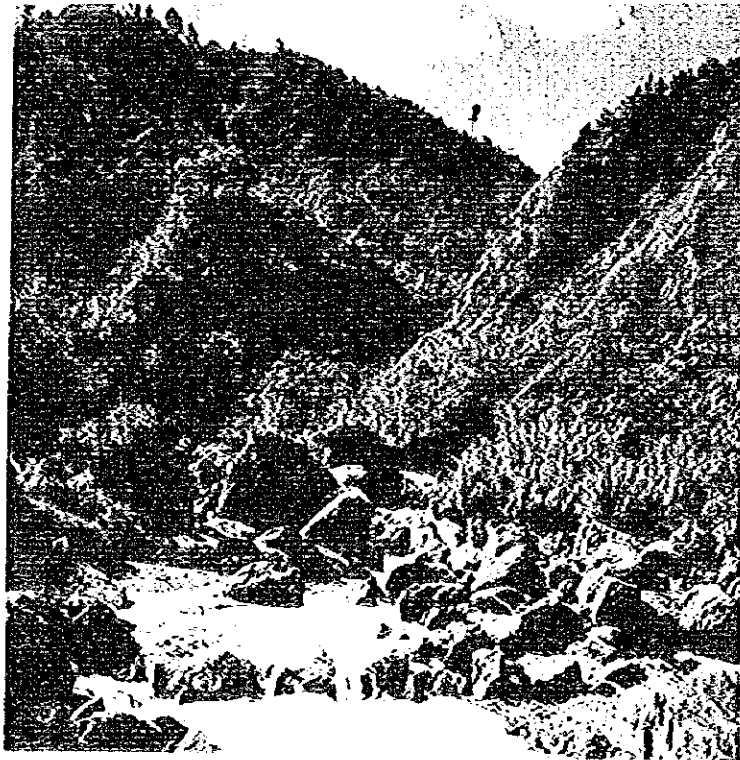
Borehole Site B-2 (Central WWTP Site)



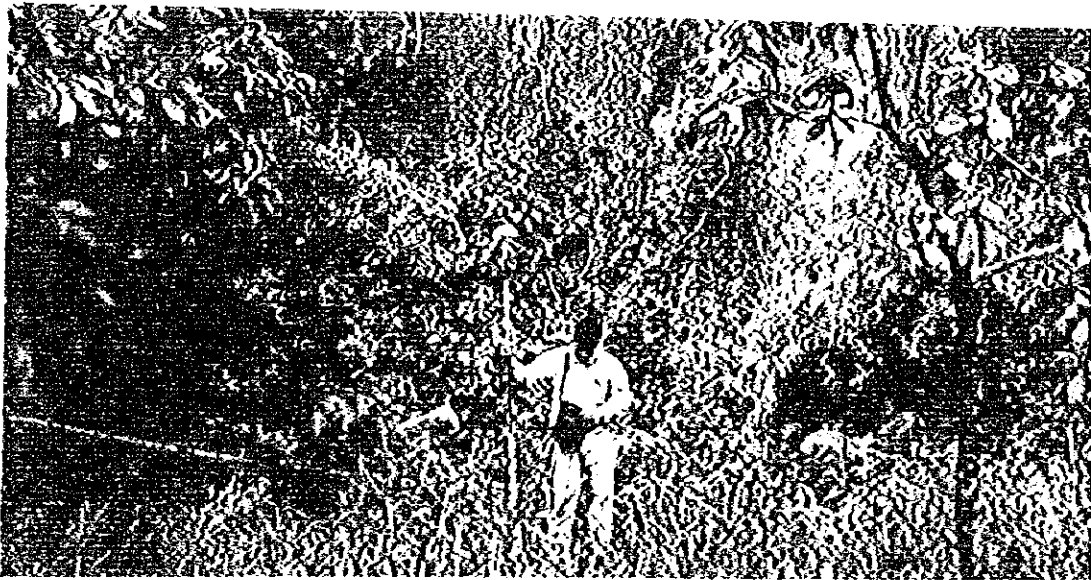
Borehole Site B-5 (South 3 WWTP Site)

<p>THE REPUBLIC OF GUATEMALA GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE BOREHOLE SITES B-1 AND B-2</p>
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DC - 5

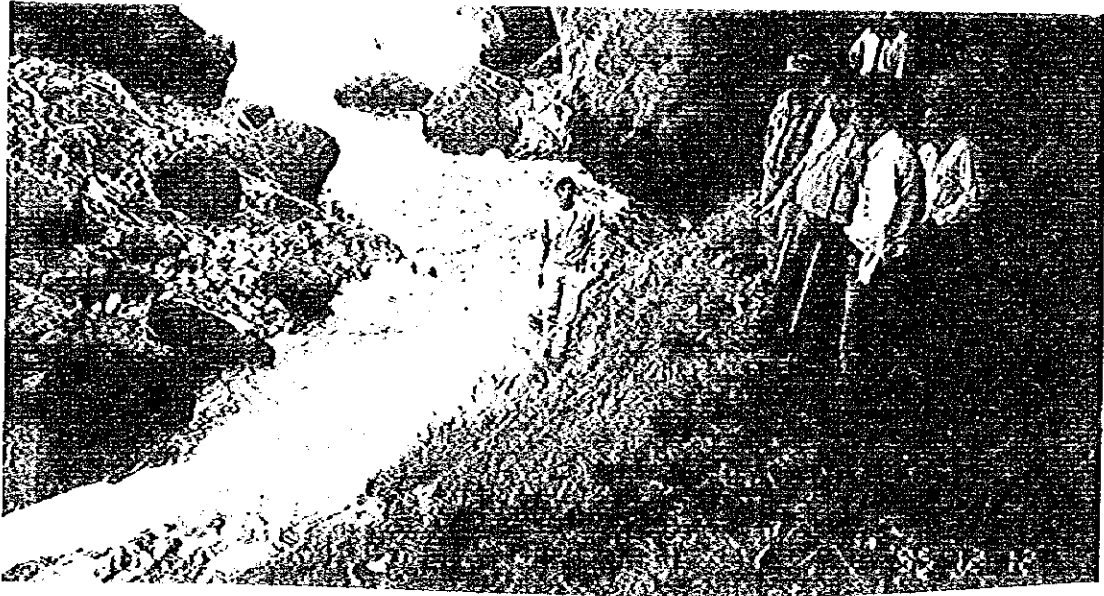


Borehole Site B-6,7 Site (Chinautla River Crossing)

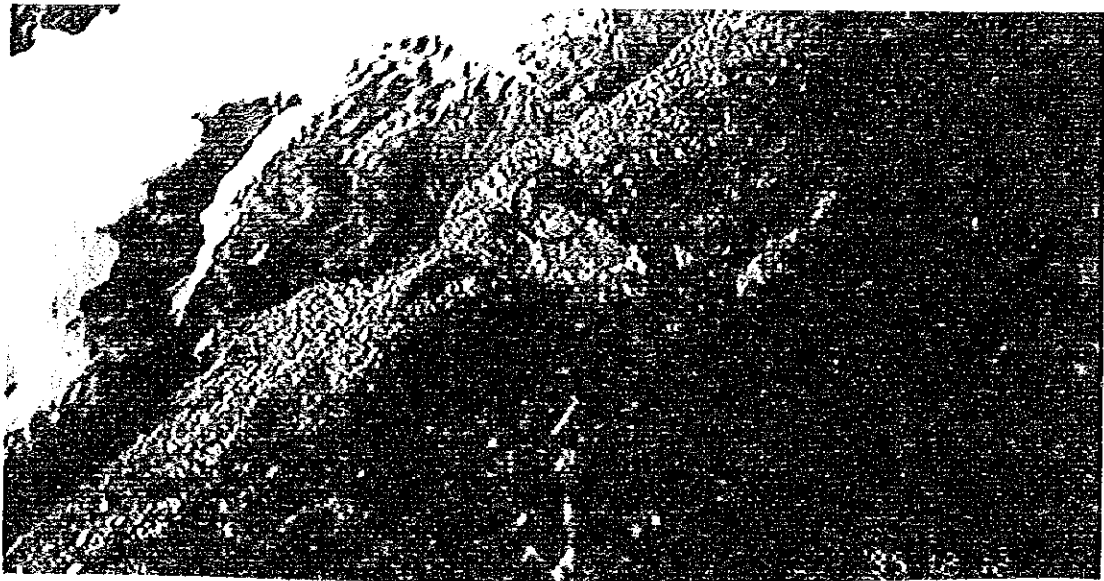


GPS Survey near B-6,7 Borehole Site

<p><i>THE REPUBLIC OF GUATEMALA</i></p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE</p> <p>BOREHOLE SITE B-6,7 (CHINAUTLA RIVER CROSSING)</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	



Borehole Site B-6,7 Site (Chinautla River Crossing)



GPS Survey near B-6,7 Borehole Site (Red Mark is at 1,219 m MSL)

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE</p> <p>BOREHOLE SITE B-6,7 (CHINAUTLA RIVER CROSSING)</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	



Narrow Valley Downstream of Borehole Site B-8 (Altitude about 1,212 m MSL)



Same location as above, a close view

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE</p> <p>BOREHOLE SITE B-8(TZALJA RIVER CROSSING) (1/4)</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	



Establishing Bench Mark Downstream of Borehole Site B-8

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Downstream of Borehole Site B-8 (Tzalja River): Establishing Temporary Bench Mark

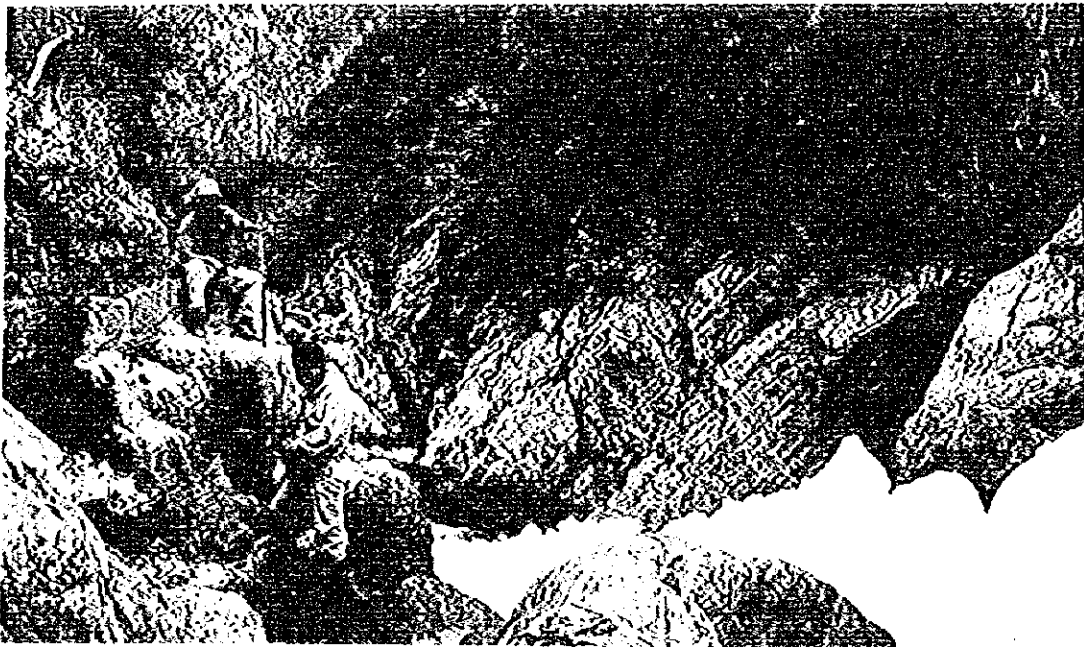


Downstream of Borehole Site B-8 (Tzalja River): Establishing Temporary Bench Mark

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE</p> <p>BOREHOLE SITE B-8 (TZALJA RIVER CROSSING) (3/4)</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>		

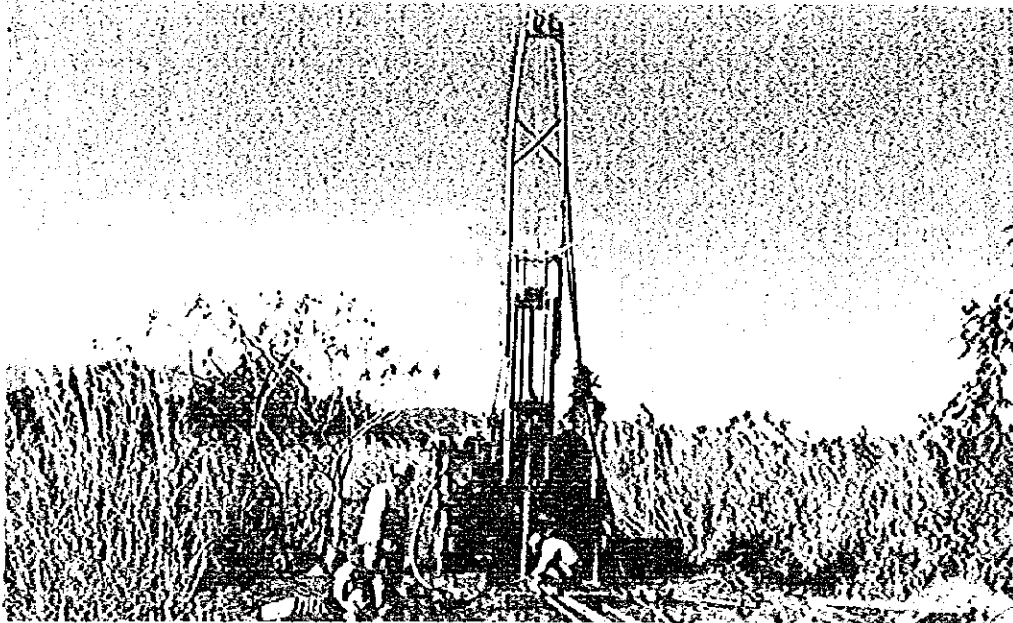


Downstream of Borehole Site B-8 (Tzalja River): Establishing Temporary Bench Mark



Borehole Site B-8 (Tzalja River): GPS Survey

THE REPUBLIC OF GUATEMALA GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)	THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA	TITLE BOREHOLE SITE B-8 (TZALJA RIVER CROSSING) (4/4)
	JAPAN INTERNATIONAL COOPERATION AGENCY	



Borehole Site B-9 (Branch of Tzalja River) : Boring could not be conducted nearer to the river bed than the place above because of difficult access

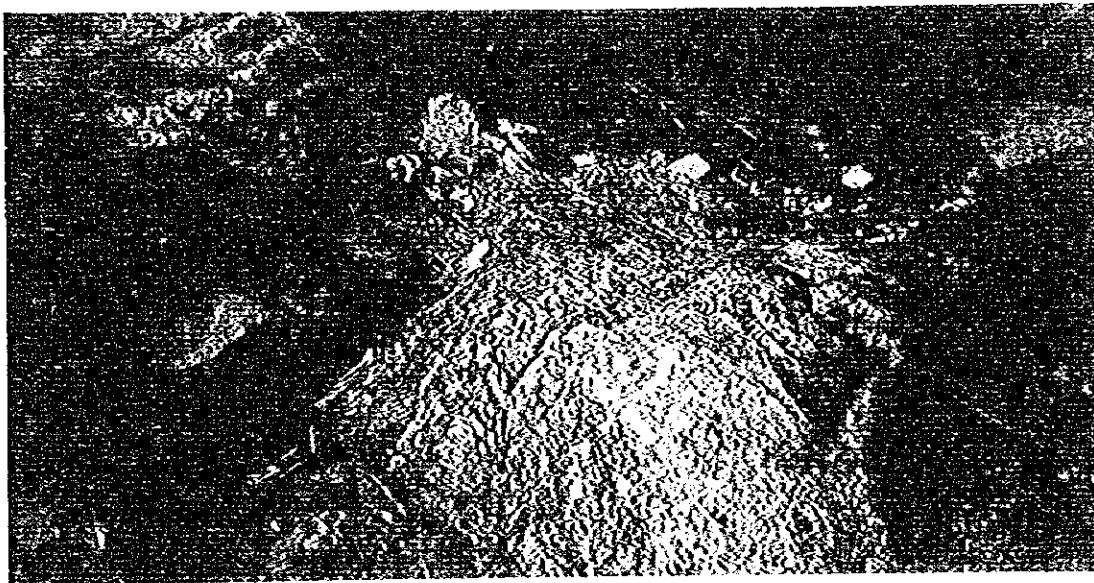


River Crossing near B-9 (Branch of Tzalja River)

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE</p> <p>BOREHOLE SITE B-9 (BRANCH OF TZALJA RIVER) (1/2)</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	

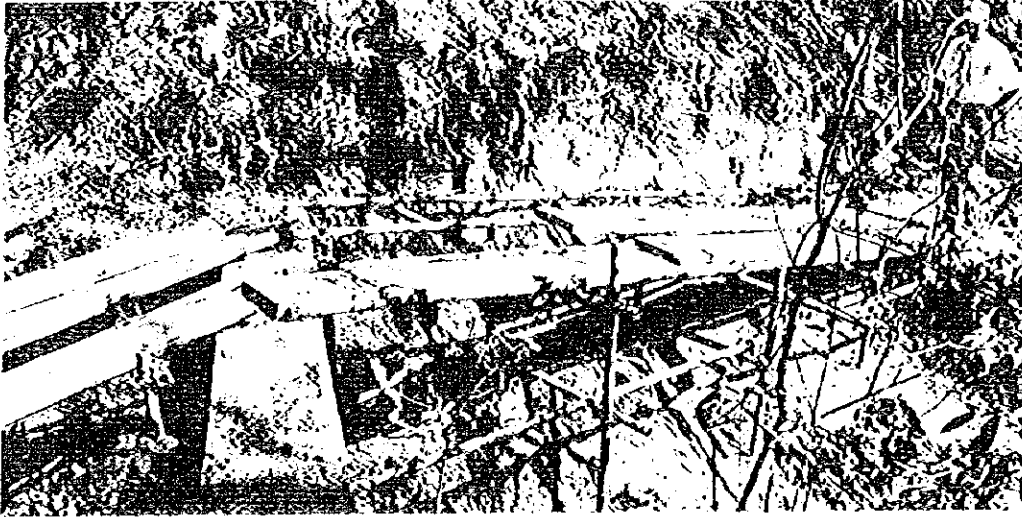


River Crossing near Borehole B-9 (Branch of Tzalja River)

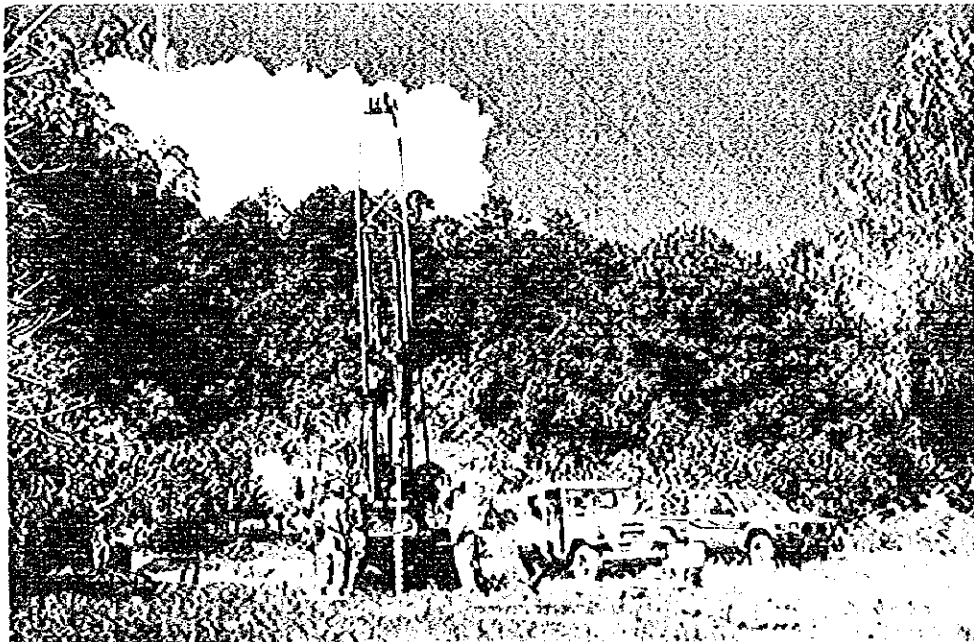


River Crossing near B-9 (Branch of Tzalja River) : River Bed

<p>THE REPUBLIC OF GUATEMALA GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE BOREHOLE SITE B-9 (BRANCH OF TZALJA RIVER) (2/2)</p>
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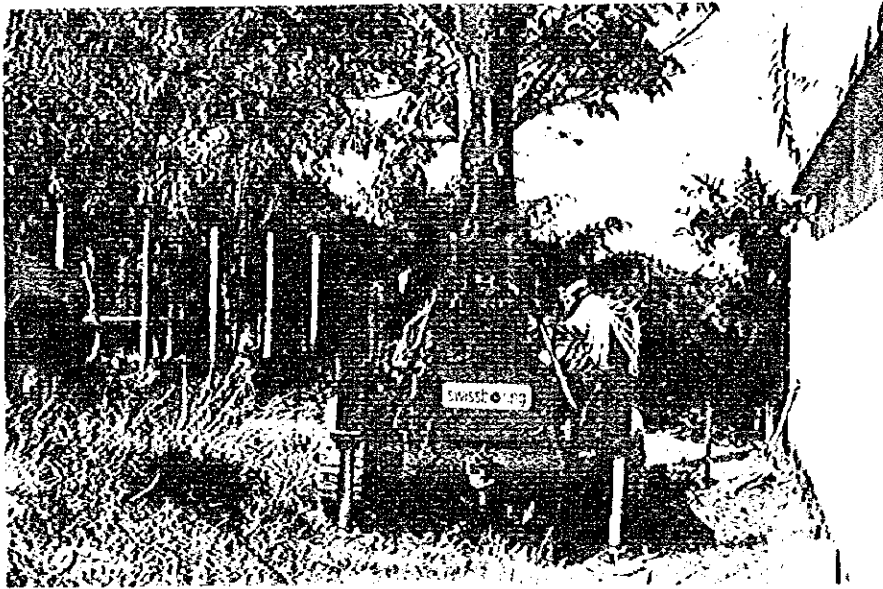


Access to Borehole Site B-10 (El Juez River)

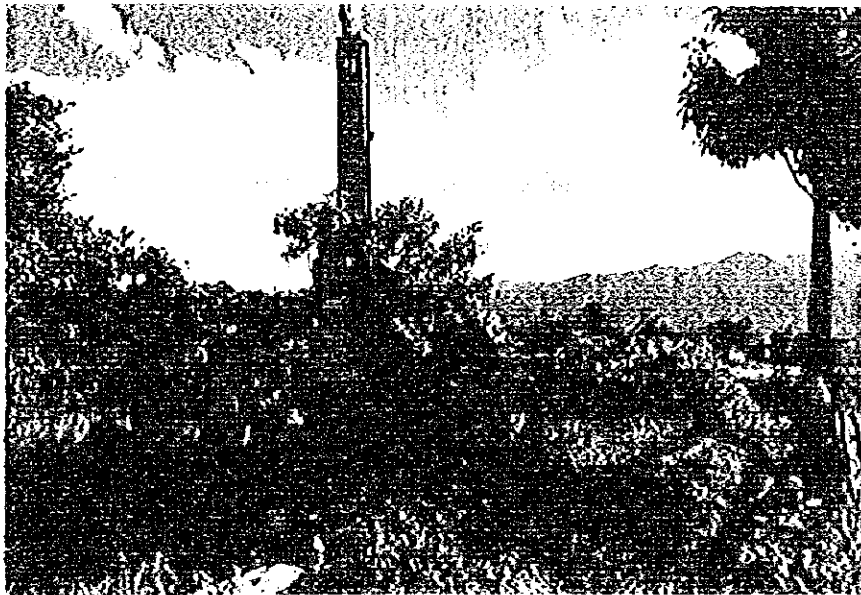


Borehole Site B-11 (Central WWTW) : near the Inlet

<p><i>THE REPUBLIC OF GUATEMALA</i></p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE</p> <p>BOREHOLE SITES B-10 AND B-11</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	



Soil Percolation Test at Colonia 6 de Octubre (Borehole B-16)

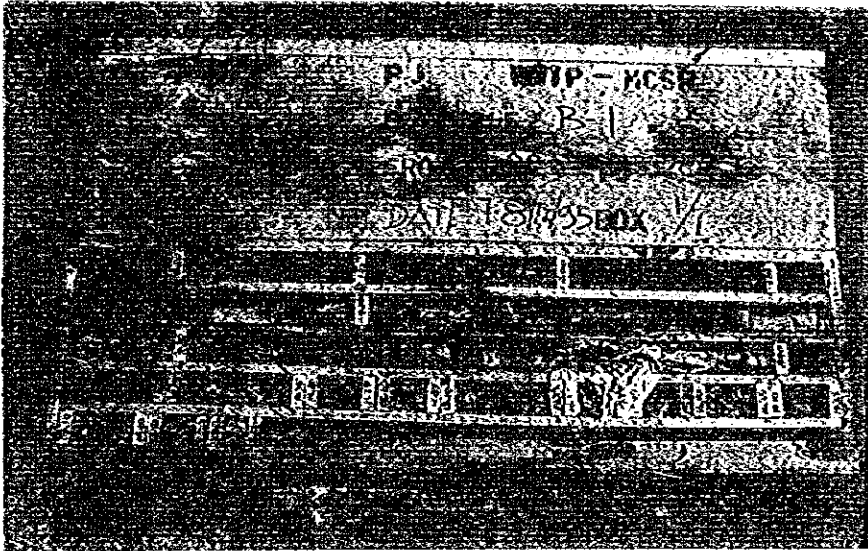


Soil Percolation Test at Colonia Loma Blanca (Borehole B-19)

<p>THE REPUBLIC OF GUATEMALA GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p>	<p>TITLE SOIL PERCOLATION TESTING AT BOREHOLES B-16 AND B-19</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	

DC 2 Photographs of Borehole Logs

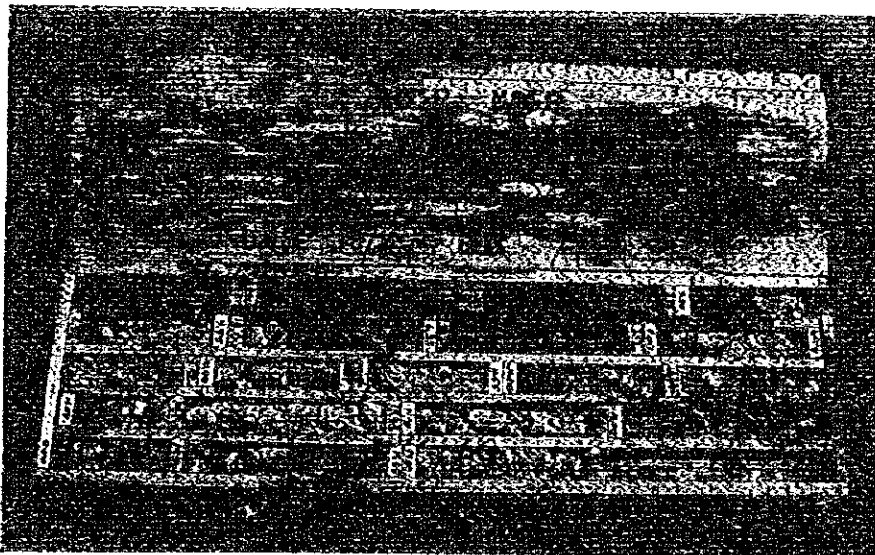
- DC - 15 Photographs of Borehole Logs : B-1 and B-2
- DC - 16 Photographs of Borehole Logs : B-3
- DC - 17 Photographs of Borehole Logs : B-4 and B-5
- DC - 18 Photographs of Borehole Logs : B-6,7
- DC - 19 Photographs of Borehole Logs : B-8
- DC - 20 Photographs of Borehole Logs : B-9
- DC - 21 Photographs of Borehole Logs : B-10
- DC - 22 Photographs of Borehole Logs : B-11 and B-12
- DC - 23 Photographs of Borehole Logs : B-13(1/2)
- DC - 24 Photographs of Borehole Logs : B-13(2/2)
- DC - 25 Photographs of Borehole Logs : B-14
- DC - 26 Photographs of Borehole Logs : B-15 and B-16
- DC - 27 Photographs of Borehole Logs : B-17 and B-18
- DC - 28 Photographs of Borehole Logs : B-1 and B-19



B - 1
(Central WWTP)

0.00 ~ 20.00 m

7-8/12/95



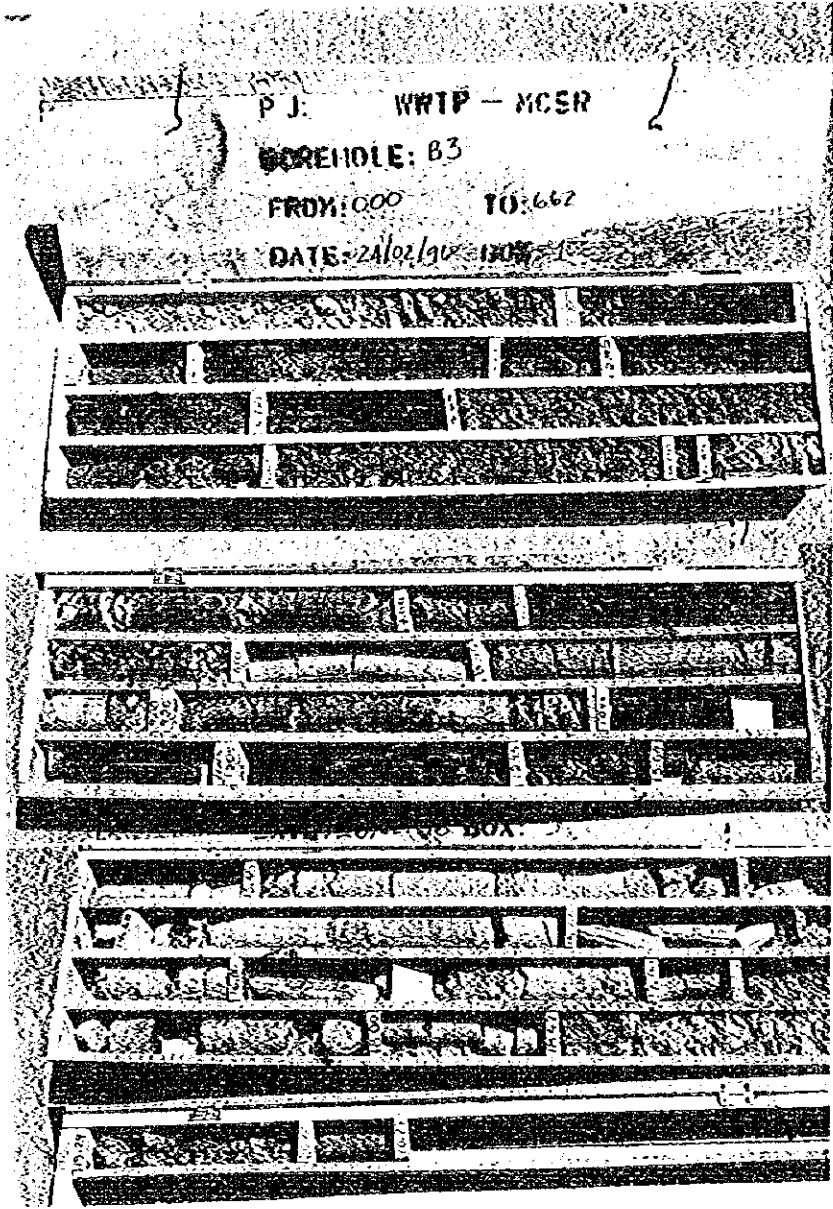
B - 2
(Central WWTP)

0.00 ~ 20.00 m

18/12/95

<p>THE REPUBLIC OF GUATEMALA</p> <p>GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE</p> <p>PHOTOGRAPHS OF BOREHOLE LOGS : B-1 AND B-2</p>
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B - 3
(Central WWTP)



0.00 ~ 6.62 m
24/2/96

6.62 ~ 13.20 m
25/2/96

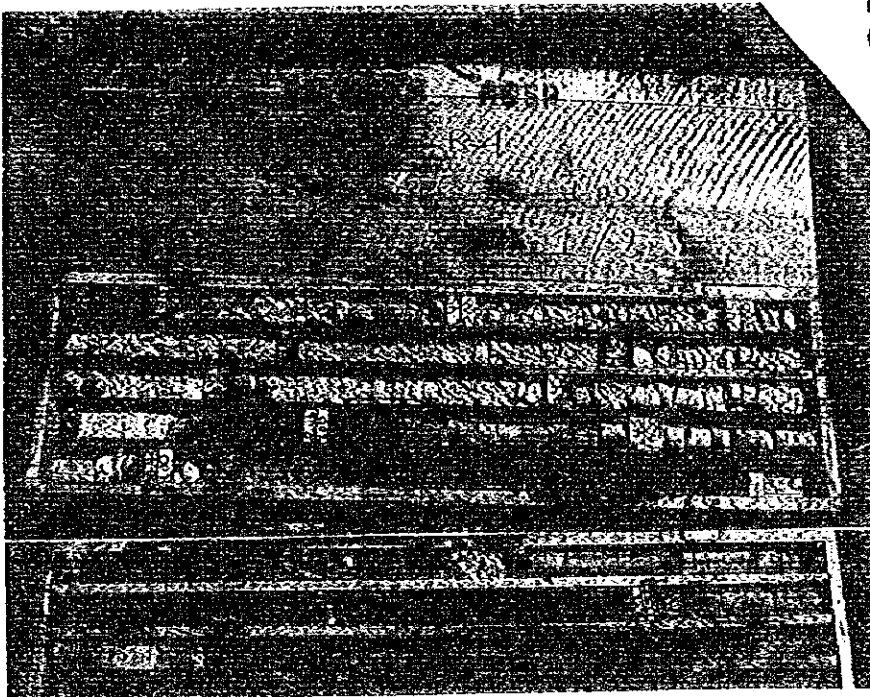
13.20 ~ 19.00 m
26/2/96

19.00 ~ 20.23 m
26/2/96

<p>THE REPUBLIC OF GUATEMALA GUATEMALA MUNICIPAL WATER SUPPLY PUBLIC CORPORATION (EMPAGUA)</p>	<p>THE STUDY ON THE IMPROVEMENT OF WASTEWATER MANAGEMENT IN THE GUATEMALA METROPOLITAN AREA JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE PHOTOGRAPHS OF BOREHOLE LOG : B-3</p>
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DC - 17

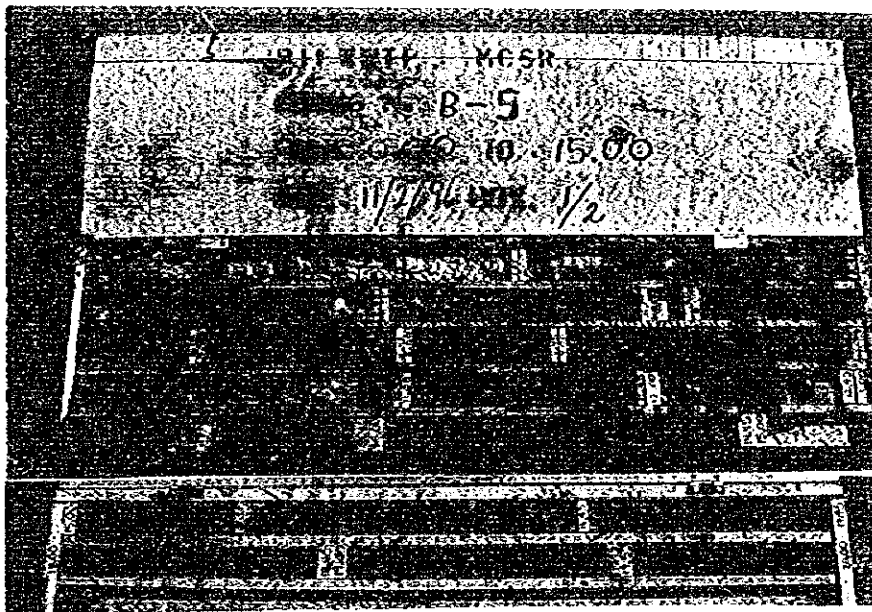
B - 4
(South 3 WWTP)



0.00 ~ 14.00 m
7/2/96

14.00 ~ 20.00 m
8/2/96

B - 5
(South 3 WWTP)



0.00 ~ 15.00 m
11/2/96

15.00 ~ 20.00 m
12/2/96

THE REPUBLIC OF GUATEMALA

GUATEMALA MUNICIPAL WATER
SUPPLY PUBLIC CORPORATION
(EMPAGUA)

THE STUDY ON
THE IMPROVEMENT OF WASTEWATER
MANAGEMENT IN THE GUATEMALA
METROPOLITAN AREA

JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE

PHOTOGRAPHS OF
BOREHOLE LOGS :
B-4 AND B-5