

資料

[資料]

1 調査団員氏名

1-1 基本設計調査団員氏名

- 総括 岡崎 俊夫 (Toshio OKAZAKI)
JICA 調達部特任参事
Leader, Procurement Department, JICA
- 計画管理 三条 明仁 (Akihito SANJO)
JICA 無償資金協力調査部調査第1課
Project Coordinator, First Project Study Division,
Grant Aid Project Study Department, JICA
- 業務主任/運営・維持管理計画 寺村 靖夫 (Yasuo TERAMURA)
株式会社三祐コンサルタンツ
Project Manager, Sanyu Consultants Inc.
- 水理地質 I 尾崎 弘明 (Komei OZAKI)
株式会社三祐コンサルタンツ
Hydrogeologist I, Sanyu Consultants Inc.
- 水理地質 II 中村 晴彦 (Haruhiko NAKAMURA)
株式会社三祐コンサルタンツ
Hydrogeologist II, Sanyu Consultants Inc.
- 物理探査 I 石川 次男 (Tsugio ISHIKAWA)
株式会社三祐コンサルタンツ
Geological Prospector I, Sanyu Consultants Inc.
- 物理探査 II 杵鞭 政樹 (Masaki KINEMUCHI)
株式会社三祐コンサルタンツ
Geological Prospector II, Sanyu Consultants Inc.
- 積算/調達計画 田中 悦次 (Etsuji TANAKA)
株式会社三祐コンサルタンツ
Cost Estimate/Procurement Plan, Sanyu Consultants Inc.

1-2 基本設計概要説明調査団団員氏名

- 総括 岡崎 俊夫 (Toshio OKAZAKI)
JICA 調達部特任参事
Leader, Procurement Department, JICA
- 計画管理 境 勝一郎 (Katsuichiro SAKAI)
東京国際研修センター研修第1課
Project Coordinator, First Training Division, Tokyo International
Center, JICA
- 業務主任/運営・維持管理計画 寺村 靖夫 (Yasuo TERAMURA)
株式会社三祐コンサルタンツ
Project Manager, Sanyu Consultants Inc.
- 積算/調達計画 田中 悦次 (Etsuji TANAKA)
株式会社三祐コンサルタンツ
Cost Estimate/Procurement Plan, Sanyu Consultants Inc.

2 調査日程

2.1 基本設計現地調査日程表

- 4月 1日 (火) 大蔵省表敬、天然資源省表敬
4月 2日 (水) 日本大使館表敬、計画省表敬、インセプションレポート説明協議、
掘削業者視察調査
4月 3日 (木) サイト調査 (キボガ県既存給水施設状況他)
4月 4日 (金) サイト調査 (ジンジャワークショップ他)
4月 5日 (土) サイト調査 (ムピギ県パイロットプロジェクト村落、衛生教育セミナー他)
4月 6日 (日) 団内打合及び報告書作成
4月 7日 (月) UNICEF 表敬デンマーク大使館表敬、ミニッツ協議
4月 8日 (火) ミニッツ署名、質問書協議
4月 9日 (水) 世銀表敬、現地調査準備、官団員ウガンダ出国
4月 10日 (木) 現地調査準備
4月 11日 (金) 現地調査詳細行程打合せ、田中団員 (積算/調達計画) ウガンダ入国
4月 12日 (土) ムピギ地区物理探査デモンストレーション調査実施
4月 13日 (日) 団内打合せ
4月 14日 (月) ムピギ地区物理探査、民間掘削業者訪問調査
4月 15日 (火) ムピギ地区物理探査、民間掘削業者訪問調査
4月 16日 (水) ムピギ地区水理地質及び物理探査、ジンジャワークショップ訪問
4月 17日 (木) ムピギ地区水理地質及び物理探査

4月18日(金) ムピギ地区物理探査、水理地質調査結果整理、資機材調査
 4月19日(土) ムピギ地区物理探査、水理地質調査結果整理、資機材調査
 4月20日(日) 団内打合せ及び資料整理
 4月21日(月) ムピギ地区水理地質及び物理探査、DWD 打合せ
 4月22日(火) ムピギ地区水理地質及び物理探査、資料収集
 4月23日(水) ムピギ地区水理地質及び物理探査、キボガ地区現地調査
 4月24日(木) ムピギ地区物理探査、ムベンデ地区水理地質調査
 4月25日(金) 物理探査結果整理、ムベンデ地区水理地質調査、資機材調査整理
 4月26日(土) 物理探査結果整理、ムベンデ地区水理地質調査、資機材調査整理
 4月27日(日) 団内打合せ及び資料整理
 4月28日(月) ムベンデ地区水理地質及び物理探査、資料整理
 4月29日(火) ムベンデ地区水理地質及び物理探査、資料整理
 4月30日(水) ムベンデ地区水理地質及び物理探査、現地調査、中村団員(水理地質 II 担当) ウガンダ入国

 5月 1日(木) ムベンデ地区水理地質及び物理探査
 5月 2日(金) ムベンデ地区水理地質及び物理探査
 5月 3日(土) ムベンデ地区水理地質及び物理探査
 5月 4日(日) 団内打合せ及び資料整理
 5月 5日(月) ムベンデ地区水理地質及び物理探査、現地調査
 5月 6日(火) ムベンデ地区水理地質及び物理探査、資料収集
 5月 7日(水) ムベンデ地区物理探査、資料収集及び資料整理、尾崎団員御尊父逝去により一時帰国

 5月 8日(木) バララワークショップ訪問調査
 5月 9日(金) 資料整理、団内打合せ
 5月10日(土) キボガ地区物理探査、資料整理
 5月11日(日) キボガ地区物理探査、資料整理
 5月12日(月) キボガ地区物理探査及びキボガ Level-II 踏査
 5月13日(火) キボガ地区物理探査、ムベンデ地区水理地質調査及び現地調査整理
 5月14日(水) キボガ地区物理探査、ムベンデ地区水理地質調査及び工事関連調査
 5月15日(木) キボガ地区物理探査、ムピギ地区水理地質調査及び工事関連調査
 5月16日(金) 資料整理
 5月17日(土) キボガ地区物理探査、資料整理、尾崎団員一時帰国より帰任
 5月18日(日) キボガ地区物理探査、団内会議及び資料整理
 5月19日(月) キボガ地区物理探査、キボガ Level-II 調査
 5月20日(火) キボガ地区物理探査、キボガ地区水質調査、キボガ Level-II 測量
 5月21日(水) キボガ地区物理探査、キボガ地区水質調査、キボガ Level-II 測量
 5月22日(木) DWD へ調査経過報告
 5月23日(金) 日本大使館へ報告
 5月24日(土) 資料整理
 5月25日(日) 帰国準備
 5月26日(月) 在ナイロビ日本大使館、JICA ナイロビ事務所へ報告

2.2 基本設計概要説明調査団日程

| | |
|----------|--------------------------------------|
| 8月19日(火) | ナイロビ着、JICA ケニア事務所打合せ、在ケニア日本大使館表敬 |
| 8月20日(水) | エンデベ着、経済計画省表敬 |
| 8月21日(木) | 天然資源省水資源開発局にて基本設計概要書説明 WES 関係者と協議 |
| 8月22日(金) | 天然資源省水資源開発局にて基本設計概要書について協議 |
| 8月23日(土) | キボガ地区視察、キボガ病院視察 |
| 8月24日(日) | 団内打合及び資料整理 |
| 8月25日(月) | 水資源開発局にてミニッツ協議 |
| 8月26日(火) | 水資源開発局にてミニッツ署名 |
| 8月27日(水) | ウガンダ出国、ナイロビ着 |
| 8月28日(木) | 在ケニア日本大使館へ報告、JICA ケニア事務所へ報告 ナイロビ発 |

3 相手国関係者リスト

在ウガンダ日本国大使館

大竹 米蔵氏 参事官

Ministry of Foreign Affairs

| | |
|----------------------|--|
| Mr. Arthur Gakwandi | Director Asia, Pacific & South America |
| Mr. Alfred M. Nabeta | Foreign Service Officer |
| Mr. Ndoboli | Officer |

Ministry of Finance and Economic Planning

| | |
|------------------------------|---|
| Ambassador Daudi M. Taliwako | Commissioner, External Aid Coordination |
| Mr. Yuichi Sasaoka | JICA Expert, Advisor for Japan's Aid |
| Mr. Katwe | Coordinator |
| Mr. Magona | Secretary of Development Committee |
| Mr. Mark Williams | Senior Economist (英国人) |

Ministry of Natural Resources

| | |
|---------------------------|---------------------|
| Mr. Ben Z. Dramadri | Permanent Secretary |
| Mr. F.A.Kabagambe-Kaliisa | Permanent Secretary |

Directorate of Water Development(DWD)

| | |
|----------------------|--|
| Mr. Patric Kahangire | Director DWD |
| Mr. S.M.Bomukama | Commissioner of Urban and Institutional Water Development |
| Mr. Moses K.Gava | Ag. Commissioner of Rural Water Development |
| Mr. Disan Ssozi | Senior Engineer |

| | |
|--------------------------|--|
| Mr. Pantaleo Kabateraine | Hydrologist |
| Mr. Richard Cong | WES Coordinator |
| Mr. Sven Jacobi | Chief Advisor to Director DWD |
| Mr. Omoit Stevenson | Assistant WES Coordinator |
| Mr. Enoch M. Dribidu | Principal Hydrologist |
| Mr. Mufisha Shilling | Principal Engineer |
| Mr. Roger Lubunga | Sr. Engineer |
| Mr. Patrick Kagoro | Ag. Commissioner(ISSD) |
| Mr. Henry Twijukye | Hydrogeologist |
| Mr. Okao | Hydrogeologist |
| Mr. Ian Arebahona | Coordinator, WES Programme |
| Mr. S. T. Katuraniu | Senior Driller |
| Mr. S.Y. R. Busimo | Ag. Borehole Maintenance Superintendent |
| Mr. Friacious Ssembali | National Coordinator, Gravity Flow Schemes |
| Mr. Rudolf Glotzbach | Technical Advisor, Gravity Flow Schemes |

Ministry of Health

| | |
|-----------------------|---------------|
| Mr. Charles Tumwebaze | WES programme |
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UNICEF

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| Mr. Lloyd Donaldson | Senior Project Officer, WES |
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Royal Danish Embassy

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| Mr. Hans Lillelund | Counsellor, Development |
|--------------------|-------------------------|

DANIDA

| | |
|-------------------|----------------|
| Mr. Mogens Mechta | Sector Advisor |
|-------------------|----------------|

Kiboga T/C

| | |
|-------------------|-----------------------------|
| Mr. Gashenyi Jhon | Town Cleark |
| Mr. Kabuye Mariin | Town Council Health Officer |

Kiboga Hospital

| | |
|-------------------|------------------------|
| Ms. Kiyuba Munulo | Senior Nursing Officer |
|-------------------|------------------------|

4 協議議事録

4.1 基本設計調査協議議事録

添付資料 1

4.2 基本設計概要説明調査議事録

添付資料 2

5. 当該国の社会・経済事情

| | |
|----|-------------------------------|
| 国名 | ウガンダ共和国 Republic of Uganda |
|----|-------------------------------|

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| 一般指標 | | | | |
|----------|------------------------------|----|----------|-------------------------------|
| 政体 | 共和制 | *1 | 首都 | カンバラ |
| 元首 | Presidnet Yoweri K. MUSEVENI | *1 | 主要都市名 | ジゴ、カバレ、マカ |
| 独立年月日 | 1962年10月09日 | *1 | 経済活動可人口 | 10,000千人 (1994年) |
| 人種(部族)構成 | ハンフ族、ニロティクス族、ニロハミテス族、スタ'ニコ族 | *4 | 義務教育年数 | 年間 |
| 言語・公用語 | 英語、スワヒリ語、ルンダ語 | *1 | 初等教育就学率 | - % |
| 宗教 | キリスト教66%、地域信仰18%、回教16% | *1 | 初等教育終了率 | - % |
| 国連加盟 | 1962年10月 | *2 | 識字率 | 59.7 % (1993年) |
| 世銀・IMF加盟 | 1963年09月 | *3 | 人口密度 | 98.0人/Km ² (1995年) |
| | | | 人口増加率 | 2.25 % (1995年) |
| | | | 平均寿命 | 平均36.58 男36.26 女36.91 |
| | | | 5歳児未満死亡率 | 185 /1000 (1994年) |
| 面積 | 236.04千Km ² | *4 | カリ-供給量 | 2,162.0 cal/日/人 (1992年) |
| 人口 | 19,573.3千人 (1995年) | *4 | | |

| 経済指標 | | | | |
|--------------|-----------------------|----|---------|--------------------|
| 通貨単位 | ウガンダ・シリング | *1 | 貿易量 | (1995年) |
| 為替レート(IUS\$) | IUS\$= 1,029.6 (12月) | *6 | 輸出 | 461.0百万ドル |
| 会計年度 | 7月～ 6月 | *1 | 輸入 | 1,051.0百万ドル |
| 国家予算 | (1994年) | *6 | 輸入加%-率 | 4.3 % (1994年) |
| 歳入 | 403.00 百万ドル | *6 | 主要輸出品目 | コーヒー、綿花、茶 |
| 歳出 | 866.5 百万ドル | *6 | 主要輸入品目 | 石油製品、機械、綿製品、鉱石、輸送機 |
| 国際収支 | 102.00 百万ドル (1994年) | *6 | 日本への輸出 | 11.0百万ドル (1995年) |
| ODA受取額 | 753.00 百万ドル (1994年) | *8 | 日本からの輸入 | 52.0百万ドル (1995年) |
| 国内総生産(GDP) | 4,001.00 百万ドル (1994年) | *8 | | |
| 一人当たりGNP | 190.0 ドル (1994年) | *8 | 外貨準備総額 | 490.2 百万ドル (1996年) |
| GDP産業別構成 | 農業 49.0 % (1994年) | *8 | 対外債務残高 | 152.0 百万ドル (1994年) |
| | 鉱工業 14.0 % (1994年) | | 対外債務返済率 | 44.0 % (1994年) |
| | サービス業 37.0 % (1994年) | | インフレ率 | 30.7 % (1993年) |
| 産業別雇用 | 農業 85.0 % (1990年) | *5 | | |
| | 鉱工業 5.0 % (1990年) | | | |
| | サービス業 11.0 % (1990年) | | 国家開発計画 | |
| 経済成長率 | 5.6 % (1994年) | *8 | | |

| 気象(年～ 年平均) 場所: Kampala (標高 1312 m) | | | | | | | | | | | | | 平均/計 |
|-------------------------------------|------|------|-------|-------|-------|------|------|------|------|------|-------|------|------------|
| 月 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 最高気温 | 28.0 | 28.0 | 27.0 | 26.0 | 25.0 | 25.0 | 25.0 | 25.0 | 27.0 | 27.0 | 27.0 | 27.0 | 26.4℃ |
| 最低気温 | 18.0 | 18.0 | 18.0 | 18.0 | 17.0 | 17.0 | 17.0 | 16.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.2℃ |
| 平均気温 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0℃ |
| 降水量 | 46.0 | 61.0 | 130.0 | 175.0 | 147.0 | 74.0 | 46.0 | 86.0 | 91.0 | 97.0 | 122.0 | 99.0 | 1,174.0 mm |
| 雨期/乾期 | 雨 雨 | | | | | | | | | | | | |

- *1 CIA World Fact book(1993)
- *2 States Member of the United Nations
- *3 World Bank Fax(1994)
- *4 CIA World Fact Book(1996-1997)
- *5 Human Development Report(1996)
- *6 International Financial Statistics
- *7 Statistical Yearbook 1996
- *8 World Development Report(1996)
- *9 World Debt Tables (1996)
- *10 世界の国一覽(外務省外務報道官編集)(1996)
- *11 最新世界各国要覽(1996)
- *12 理科年表1997(九善)

| | |
|----|--------------------|
| 国名 | ウガンダ共和国 |
| | Republic of Uganda |

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| 項目 | 年度 | 1990 | 1991 | 1992 | 1994 |
|--------|----|-----------|-----------|-----------|----------|
| 技術協力 | | 2,382.47 | 2,515.30 | 2,699.97 | 3,087.67 |
| 無償資金協力 | | 1,989.63 | 2,050.70 | 2,194.95 | 2,456.48 |
| 有償資金協力 | | 5,676.39 | 7,364.47 | 5,852.05 | 4,352.21 |
| 総 額 | | 10,048.49 | 11,930.47 | 10,746.97 | 9,896.36 |

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| 項目 | 歴年 | 1991 | 1992 | 1993 | 1994 |
|--------|----|-------|-------|-------|-------|
| 技術協力 | | 1.06 | 0.82 | 3.84 | 4.97 |
| 無償資金協力 | | 13.86 | 13.75 | 7.19 | 30.32 |
| 有償資金協力 | | -0.20 | -0.21 | 28.40 | 13.43 |
| 総 額 | | 14.72 | 14.36 | 39.43 | 48.72 |

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| | 贈 与 (1) | | 有償資金協力 (2) | 政府開発援助 (ODA) (1) + (2) = (3) | その他政府資 金及び民間資 金 (4) | 経済協力総額 (3) + (4) |
|-------------------|---------|--------|---------------|------------------------------------|---------------------------|---------------------|
| | | 技術協力 | | | | |
| 二国間援助 (主要供与国) | 230.00 | 75.80 | 24.70 | 254.70 | -0.80 | 253.90 |
| 1. イギリス | 40.10 | 11.80 | 0.50 | 40.60 | 0.80 | 41.40 |
| 2. デンマーク | 37.10 | 5.30 | 0.00 | 37.10 | -0.20 | 36.90 |
| 3. スウェーデン | 29.00 | 6.10 | 0.00 | 29.00 | 0.00 | 29.00 |
| 4. ドイツ | 23.00 | 15.90 | 0.00 | 23.00 | -0.40 | 22.60 |
| 多国間援助 (主要援助機関) | 212.40 | 45.80 | 246.30 | 458.70 | -12.80 | 445.90 |
| 1. CEC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2. IDA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| そ の 他 | 0.50 | 0.00 | -0.70 | -0.20 | 0.00 | -0.20 |
| 合 計 | 442.90 | 121.60 | 270.30 | 713.20 | -13.60 | 699.60 |

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| 技術 | |
| 無償 | |
| 協力隊 | |

*13 Geographical Distribution of Financial Flows of Developing Countries(1996)

*14 Japan's Official Development Assistance Annual Report (1995)

*15 国別協力情報(JICA)

6 参考資料リスト

- 1 F/S Report The Study on Rural Water Supply in Mpigi, Mubende and Kiboga Districts Executive Summary September 1996
- 2 -do- Main Report
- 3 -do- Supporting Report
- 4 -do- Appendix
- 5 Master Plan of Operation Country Programme 1995-2000, GOU & UNICEF
- 6 Demographic and Health Survey 1995, Ministry of Finance and Economic Planning(MFEP)
- 7 Equity and Vulnerability: A Situation Analysis of Women, Adolescents and Children in Uganda, 1994 Uganda National Council for Children
- 8 RUWASA II Inception Workshop Report Norconsult, October 1996
- 9 RUWASA Semi Annual Progress Report July - December 1994
- 10 Programme Plans of Action 1997, GOU & UNICEF Country Programme
- 11 WES Programme Plan of Action 1997, GOU & UNICEF Country Programme
- 12 Civil Service Reform Programme
Restructuring Report, Ministry of Natural Resources May 1995 (Copy)
- 13 UGANDA 1993, Yearly Review
- 14 Decentralization in Uganda, The Policy and Its Implication 2
- 15 Key Economic Indicators January 1996, MFEP
- 16 Statistical Abstract 1996, MFEP
- 17 Background to the Budget 1996 - 1997, MFEP
- 18 Social Studies Atlas for Uganda
- 19 Guidelines for Training of User Committees Using Participatory Tools
A Handbook for Mobilisers. 1994
- 20 The Water Statue, 1995 (Copy)
- 21 Providing for Rural Poor, E. A. Brett
- 22 Public Investment Plan 1995/96 - 1997/98 (Copy)
- 23 Stories from Uganda History
- 24 Draft Phase I Project Completion Report, Rural Water & Sanitation East Uganda Project
- 25 Organization and Management Study of Water Development Department,
Working Document
- 26 Role of DWD After Restructuring and Decentralization Programmes of
Government
- 27 Kiboga Town Structure Plan, Year 2010. First Draft
- 28 Topographic Map of Uganda 1 : 900,000
- 29 Topographic Map of the Project Area, 1 : 250,000
- 30 Topographic Map of the Project Area, 1 : 50,000
- 31 Geological Map of the Project Area, 1 : 250,000
- 32 Geological Map of the Project Area, 1 : 100,000

MINUTES OF DISCUSSIONS

THE RURAL WATER SUPPLY PROJECT
IN MPIGI, MUBENDE AND KIBOGA DISTRICTS
IN
THE REPUBLIC OF UGANDA

In response to the request from the Government of the Republic of Uganda, the Government of Japan decided to conduct a Basic Design Study on the Rural Water Supply Project in Mpigi, Mubende and Kiboga in the Republic of Uganda (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to the Republic of Uganda a study team (hereinafter referred to as "the Team"), which was headed by Mr. Toshio OKAZAKI, Procurement Department, JICA, and was scheduled to stay in the country from 1 April to 26 May, 1997.

The Team held discussions with the officials concerned of the Republic of Uganda and conducted a field survey at the study area.

In the course of the discussions and field survey, both sides confirmed the main items described in the attached sheets. The Team will proceed to further work and prepare a Basic Design Study report.

Kampala, 8 April, 1997

岡崎俊夫

Mr. Toshio Okazaki
Leader
Basic Design Study Team
JICA



Mr. Ben Z. Dramadri
Permanent Secretary
Ministry of Natural Resources
The Republic of Uganda

ATTACHMENT

1. Objective

The objective of the Project is to supply safe drinking water for peoples living in the Districts of Mpigi, Mubende and Kiboga by construction of boreholes and supply of necessary equipment.

2. Project site

The project sites are located in the Districts of Mpigi, Mubende and Kiboga as shown in Annex I.

3. Executing Organization

The Ministry of Natural Resources is responsible for the administration of the project.

Directorate of Water Development, Ministry of Natural Resources (hereinafter referred to as DWD) is responsible for the implementation of the Project.

4. Items requested by the Government of the Republic of Uganda

After discussions with the Team the items finally requested by the Ugandan side are as follows:

1. Facility Construction
 - a) Construction of 446 boreholes of 204 villages in the above three districts
 - b) Level II system for Kiboga town 1 unit

2. Equipment Supply
 - a) Drilling rigs with supporting equipment 2 units
 - b) Supporting vehicles 4 units
 - c) Water analysis kit 4 lots
 - d) Workshop equipment 1 set
 - e) Servicing Rig 1 unit

As to the supply of equipment, the background of the request and other information and data such as availability and cap ability of the local drilling contractors, conditions of DWD's equipment, etc. will be studied and confirmed for further

consideration and discussion. And the final components of the Project will be specifically decided after the completion of the Study.

5. Japan's Grant Aid System

- (1) The Ugandan side has understood Japan's Grant Aid system in ANNEX II as explained by the Team.
- (2) The Ugandan side will take necessary measures described in paragraph 6) of close 3 ANNEX II for the smooth implementation of the Project, in the event the Grant Aid Assistance by the Japanese Government is extended to the Project.

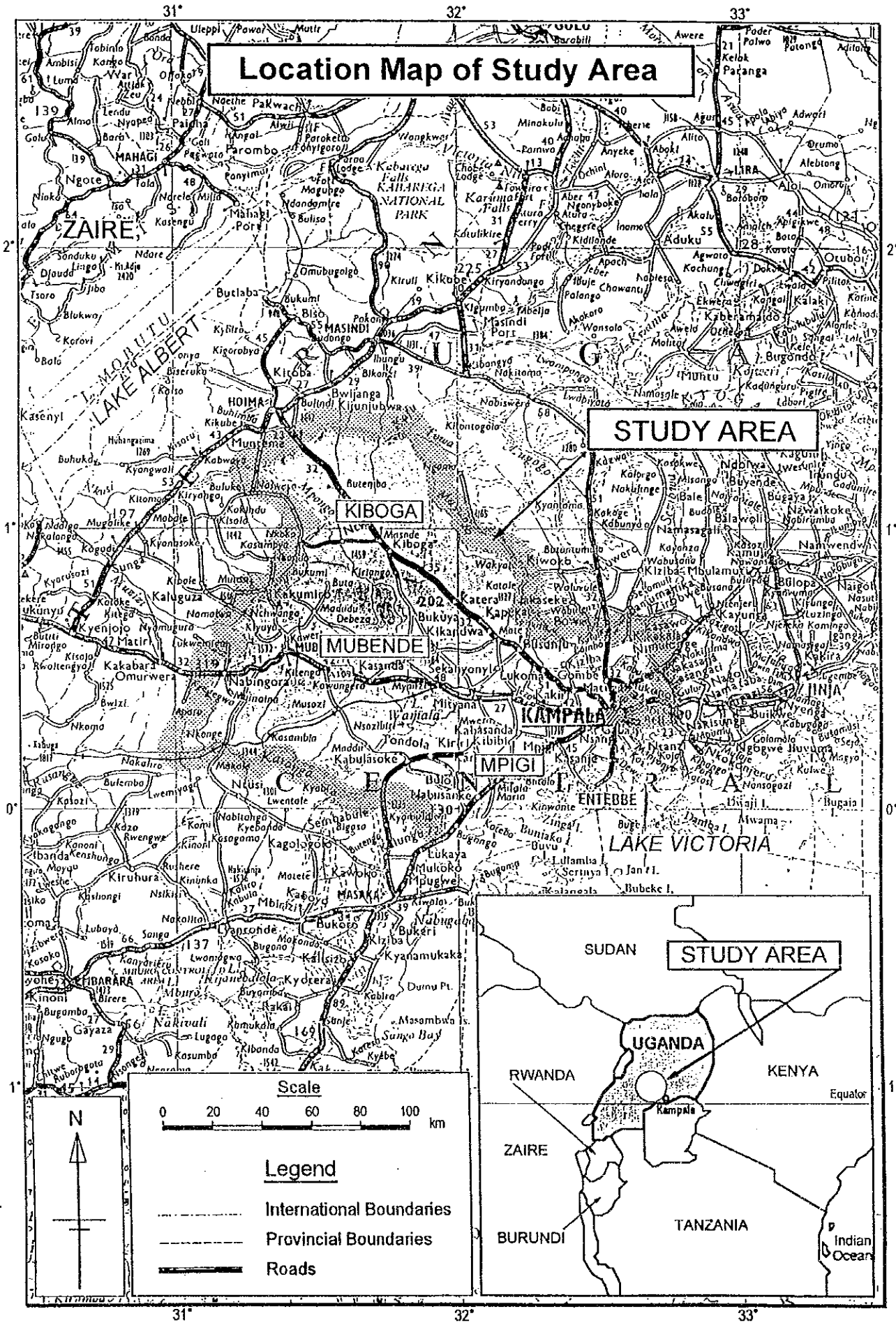
6. Schedule of the Study

- (1) The consultants of the Team will proceed to carry out further studies in the Republic of Uganda until 26 May, 1997.
- (2) JICA will prepare the draft final report and dispatch a mission in order to explain its contents at the end of August, 1997.
- (3) In the event that the contents of the report are accepted in principle by the Ugandan sides, JICA will complete a final report and send it to the Republic of Uganda by November, 1997.

7. Summary of Discussions

- 1) The Japanese side explained hereunder:
 - (1) The construction target of facilities will be 446 boreholes from the view point of the safe drinking water supply.
 - (2) Level II system in Kiboga town shall be studied to be included in the Project.
 - (3) Equipment supply will be decided by the Japanese Government basing on the conclusion of studies for its justification.And the Ugandan side agreed the above items.
- 2) The Japanese side explained the system of Japan's Grant Aid Program and the Ugandan side agreed.
- 3) The Ugandan side agreed that the necessary measures shall be taken in order to execute the Project.
- 4) The Japanese side explained the implementation schedule for the Project and the Ugandan side agreed.
- 5) The Ugandan side agreed to set up the Water User's Committee for sustainability of the Project in all villages where water will be supplied.

ANNEX I



ANNEX II

JAPAN'S GRANT AID PROGRAM

1. Japan's Grant Aid Procedures

- (1) The Japan's Grant Aid Program is executed by the following procedures.
- Application
(request made by a recipient country)
 - Study
(Preliminary Study/Basic Design Study conducted by JICA)
 - Appraisal & Approval
(Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
 - Determination of Implementation
(Exchange of Notes between the both Governments)
 - Implementation
(Implementation of the Project)

(2) Firstly, an application or a request for a project made by the recipient county is examined by the Government of Japan (the Ministry of Foreign Affairs) to see whether or not it is suitable for Japan's Grand Aid. If the request is deemed suitable, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency)

Secondly, JICA conducts the Study (Basic Design Study), using a Japanese consulting firm. If the background and objective of the requested project are not clear, a Preliminary Study is conducted prior to a Basic Design Study.

Thirdly, the Government of Japan appraises to see whether or not the Project is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA and the Results are then submitted for approval by the Cabinet.

Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by the both Governments.

Finally, for the implementation of the Project, JICA assists the recipient country in preparing contracts and so on.

7



2. Basic Design Study

1) Contents of the Study

The purpose of the Study (Preliminary Study/Basic Design Study) conducted on a project requested by JICA is to provide a basic document necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

- a) to confirm background, objectives, benefits of the project and also institutional capacity of agencies concerned of the recipient country necessary for project implementation,
- b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economical point of view,
- c) to confirm items agreed on by the both parties concerning a basic concept of the project,
- d) to prepare a basic design of the project,
- e) to estimate cost involved in the project.

Final project components are subject to approval by the Government of Japan and therefore may differ from an original request.

Implementing the project, the Government of Japan requests the recipient country to take necessary measures involved which are itemized on Exchange of Notes.

2) Selecting (a) Consulting Firm(s)

For smooth implementation of the study, JICA uses (a) consulting firm(s) registered. JICA selects (a) firm(s) through proposals submitted by firms which are interested in. The firm(s) selected carry(ies) out a Basic Design Study and prepares(prepare) a report, based upon terms of reference made by JICA.

The consulting firm(s) used for the study is(are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if a new selection process is repeated.

3) Status of a preliminary Study in the Grant Aid Program

A preliminary Study is conducted during the second step of a project formulation & preparation as mentioned above.

A result of the study will be utilized in Japan to decide if the Project is to be suitable for a Basic Design Study.

Based on the result of the Basic Design Study, the Government would proceed to the stage of decision making process (appraisal and approval).

It is important to notice that at the stage of Preliminary Study, no commitment is made by the Japanese side concerning the realization of the Project in the scheme of Grant Aid Program.

3. Japan's Grant Aid scheme

1) What is Grant Aid ?

The Grant Aid Program provides a recipient country with non reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such.

2) Exchange of Notes (E/N)

The Japan's Grant Aid is extended in accordance with the Exchange of Notes by both Government, in which the objectives of the Project, period of execution, conditions and amount of the Grant etc. are confirmed.

3) "The period of the Grant Aid" means one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding a contract with (a) consulting firm(s) and (a) contractor(s) and a final payment to them must be completed.

4) Under the Grant, in principle, products and services of origins of Japan or the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant may be used for the purchase of products or services of a third country origin.

However the prime contractors, namely, consulting, contractor and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means Japanese physical persons or Japanese juridical persons controlled by Japanese physical persons.)

5) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude into contracts in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. The "Verification" is deemed necessary to secure accountability to Japanese tax payers.

6) Undertakings required to the Government of the recipient country

In the implementation of the Grant Aid, the recipient country is required to undertake necessary measures such as the following:

- ① to secure land necessary for the sites of the project and to clear and level the land prior to commencement of the construction work,
- ② to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- ③ to secure buildings prior to the installation work in case the Project is providing equipment,
- ④ to ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- ⑤ to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,
- ⑥ to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

7) Proper Use

The recipient country is required to maintain and use facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expenses other than those to be borne by the Grant Aid.

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8) Re-export

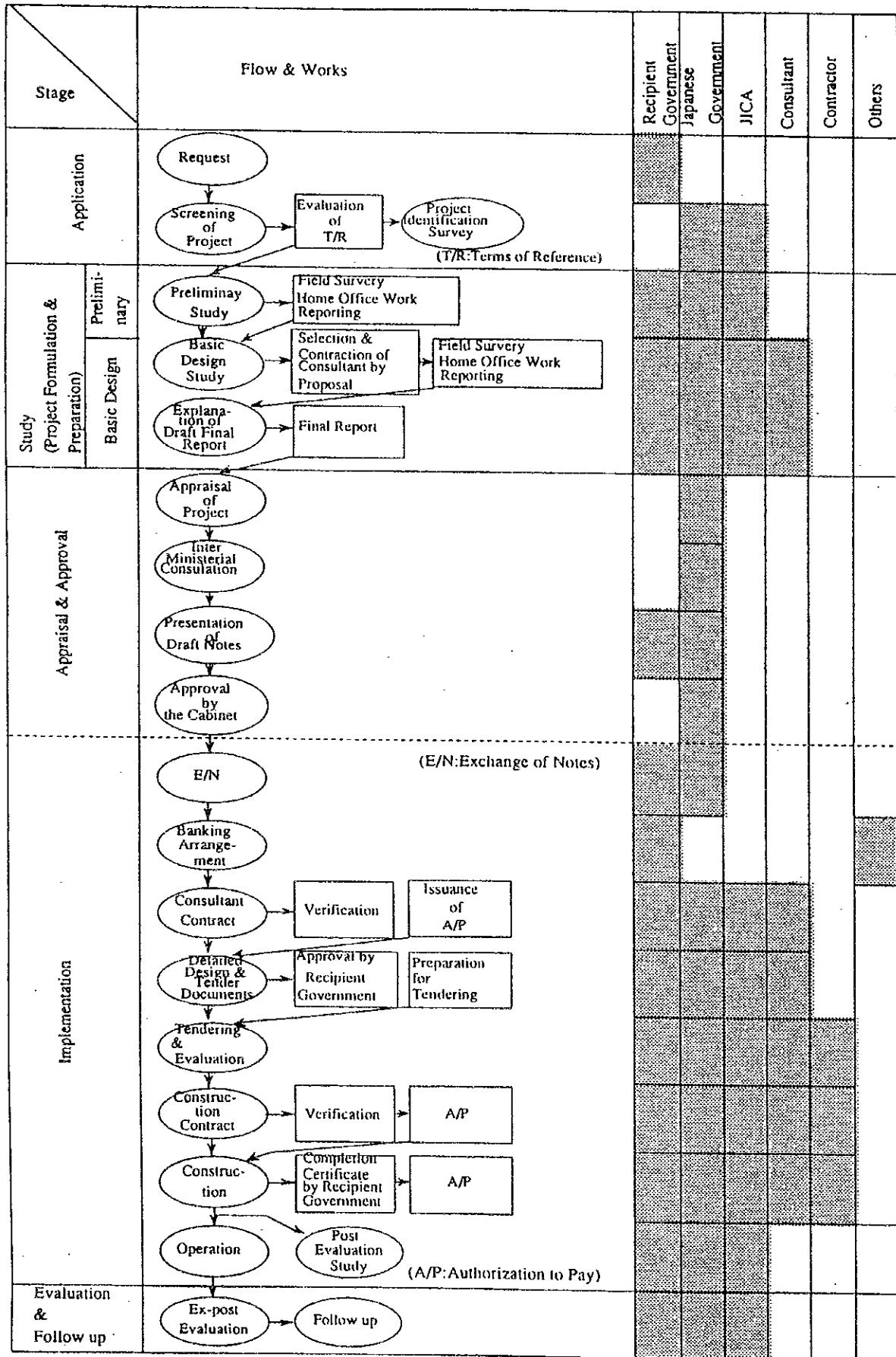
The products purchased under the Grant Aid shall not be re-exported from the recipient country.

9) Banking Arrangement (B/A)

- (a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.
- (b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay issued by the Government of the recipient country or its designated authority.



ANNEX III Flow Chart of Japan's Grant Aid Procedures



ANNEX IV Major Undertaking to be taken by Each Government

| No. | Items | To be covered by Grant Aid | To be covered by Recipient Side |
|-----|---|----------------------------|---------------------------------|
| 1 | To secure land | | ● |
| 2 | To clear, level and reclaim the site when needed | | ● |
| 3 | To construct gates and fences in and around the site | | ● |
| 4 | To construct the parking lot | ● | |
| 5 | To construct roads | | |
| | 1) Within the site | ● | |
| | 2) Outside the site | | ● |
| 6 | To construct the buildings | ● | |
| 7 | To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities | | |
| | 1) Electricity | | |
| | a. The distributing line to the site | | ● |
| | b. The drop wiring and internal wiring within the site | ● | |
| | c. The main circuit breaker and transformer | ● | |
| | 2) Water Supply | | |
| | a. The city water distribution main to the site | | ● |
| | b. The supply system within the site (receiving and elevated tanks) | ● | |
| | 3) Drainage | | |
| | a. The city drainage main (for storm, sewer and others) to the site | | ● |
| | b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site | ● | |
| | 4) Gas Supply | | |
| | a. The city gas main to the site | | ● |
| | b. The gas supply system within the site | ● | |
| | 5) Telephone System | | |
| | a. The telephone trunk line to the main distribution frame/panel (MDF) of the building | | ● |
| | b. The MDF and the extension after the frame/panel | ● | |
| | 6) Furniture and Equipment | | |
| | a. General furniture | | ● |
| | b. Project equipment | ● | |
| 8 | To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the B/A | | |
| | 1) Advising commission of A/P | | ● |
| | 2) Payment commission | | ● |
| 9 | To ensure unloading and customs clearance at port of disembarkation in recipient country | | |
| | 1) Marine (Air) transportation of the products from Japan to the recipient country | ● | |
| | 2) Tax exemption and custom clearance of the products at the port of disembarkation | | ● |
| | 3) Internal transportation from the port of disembarkation to the project site | | ● |
| 10 | To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work. | | ● |
| 11 | To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts. | | ● |
| 12 | To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant. | | ● |
| 13 | To bear all the expenses, other than those to be borne by the Grant, necessary for construction of the facilities as well as for the transportation and installation of the equipment. | | ● |

MINUTES OF DISCUSSIONS

**BASIC DESIGN STUDY ON THE RURAL WATER SUPPLY PROJECT
IN MPIGI, MUBENDE AND KIBOGA DISTRICTS
IN
THE REPUBLIC OF UGANDA
(CONSULTATION ON DRAFT REPORT)**

In April 1997, the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study team on the Rural Water Supply Project in Mpigi, Mubende and Kiboga in the Republic of Uganda (hereinafter referred to as "the Project") to the Republic of Uganda, and through discussion, field survey, and technical examination of the results in Japan, has prepared the draft report of the study.

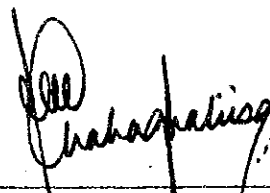
In order to explain and to consult the Ugandan side on the components of the draft report, JICA sent to the Republic of Uganda a study team (hereinafter referred to as "the Team"), which was headed by Mr. Toshio OKAZAKI, Procurement Department, JICA, and was scheduled to stay in the country from 20th to 27th August, 1997.

As a result of discussions, both parties confirmed the main items described on the attached sheets.

Kampala, 26 August, 1997



Mr. Toshio Okazaki
Leader
Basic Design Study Explanation Team
JICA



Mr. F.A. Kabagamba-Kaliisa
Permanent Secretary
Ministry of Natural Resources
The Republic of Uganda

ATTACHMENT

1. Components of the Draft Report

The Government of the Republic of Uganda (referred to as "The Ugandan side" elsewhere in this document), represented by Mr. F.A. Kabagambe-Kaliisa has agreed and accepted in principle the components of the draft report proposed by the Team.

2. Japan's Grant Aid System

- (1) The Government of the Republic of Uganda has understood the system of Japanese Grant Aid explained by the Team, described in ANNEX I
- (2) The Government of the Republic of Uganda will take the necessary measures, described in ANNEX II, for smooth implementation of the Project on condition that the Grant Aid assistance by the Government of Japan is extended to the Project.

3. Further Schedule

The Team will make the field report in accordance with the confirmed items, and submit it to the Government of the Republic of Uganda by the end of November, 1997.

4. Other Relevant Issues

The following have been confirmed;

- (1) The Ugandan side will allocate the necessary budget, staff and system to construct the boreholes in Mpigi, Mubende and Kiboga districts and a Level-II water supply system in Kiboga T/C.
- (2) The Ugandan side will undertake the works such as arrangement of access roads, ensuring land acquisition for borehole construction and necessary measures.

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ANNEX I JAPAN'S GRANT AID PROGRAM

1. Japan's Grant Aid Procedures

(1) The Japan's Grant Aid Program is executed by the following procedures.

- **Application**
(Request made by a recipient country)
- **Study**
(Preliminary Study/Basic Design Study conducted by JICA)
- **Appraisal & Approval**
(Appraisal made by the Government of Japan and Approval made by the Cabinet of Japan)
- **Determination of Implementation**
(Exchange of Notes between the both Governments)
- **Implementation**
(Implementation of the Project)

(2) Firstly, an application or a request for a project made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to see whether or not it is suitable for Japan's Grant Aid. If the request is deemed suitable, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency).

Secondly, JICA conducts the Study (Basic Design Study), using a Japanese consultant firm. If the background and objective of the requested project are not clear, a Preliminary Study is conducted prior to a Basic Design Study.

Thirdly, the Government of Japan appraises to see whether or not the Project is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA and the results are then submitted for approval by the Cabinet.

Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by both Governments.

Finally, for the implementation of the Project, JICA assists the recipient country in preparing contracts and so on.

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2. Basic Design Study

(1) Contents of the Study

The purpose of the Study (Preliminary Study/Basic Design Study) conducted on a project requested by JICA is to provide a basic document necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

- a) to confirm background, objectives, benefits of the project and also institutional capacity of agencies concerned of the recipient country necessary for project implementation,
- b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economical point of view,
- c) to confirm items agreed on by the both parties concerning a basic concept of the Project,
- d) to prepare a basic design of the Project,
- e) to estimate cost involved in the Project.

Final project components are subject to approval by the Government of Japan and therefore may differ from an original request.

Implementing the Project, the Government of Japan requests the recipient country to take necessary measures involved which are itemized in the Exchange of Notes.

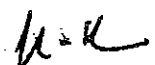
(2) Selecting (a) Consulting Firm(s)

For smooth implementation of the study, JICA uses (a) consulting firm(s) registered. JICA selects (a) firm(s) through proposals submitted by firms which are interested. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference made by JICA.

The consulting firm(s) used for the study is(are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if a new selection process is repeated.

(3) Status of a Preliminary Study in the Grant Aid Program

A Preliminary Study is conducted during the second step of a project formulation and preparation as mentioned above.



A result of the Study will be utilized in Japan to decide if the Project is to be suitable for a Basic Design Study.

Based on the result of the Basic Design Study, the Government would proceed to the stage of decision making process (appraisal and approval).

It is important to notice that at the stage of Preliminary Study, no commitment is made by the Japanese side concerning the realization of the Project in the scheme of Grant Aid Program.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not a form of donation or such.

(2) Exchange of Notes(E/N)

The Japan's Grant Aid is extended in accordance with the Exchange of Notes by both Governments, in which the objectives of the Project, period of execution, conditions and amount of the Grant etc. are confirmed.

(3) "The period of the Grant Aid" means one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding a contract with (a) consulting firm(s) and (a) contractor(s) and a final payment to them must be completed.

(4) Under the Grant, in principal, products and services of origins of Japan or the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant may be used for the purchase of products or services of a third country origin.

However the prime contractors, namely, consultant, contractor and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means Japanese physical persons or Japanese juridical persons controlled by Japanese physical persons.)

(5) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude into contracts in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. The "Verification" is deemed necessary to secure accountability to Japanese tax payers.

(6) Undertakings required to the Government of the recipient country

In the implementation of the Grant Aid, the recipient country is required to undertake necessary measures such as the followings;

- ① to secure land necessary for the sites of the Project and to clear and level the land prior to commencement of the construction works,
- ② to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- ③ to secure buildings prior to the installation work in case the Project is providing equipment,
- ④ to ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,
- ⑤ to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,
- ⑥ to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

(7) Proper Use

The recipient country is required to maintain and use facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expenses other than those to be borne by the Grant Aid.

(8) Re-export

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

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(9) Banking Arrangement (B/A)

- (a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.
- (b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay issued by the Government of the recipient country or its designated authority.

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ANNEX II Necessary measures to be taken by the Government of the Republic of Uganda on condition that Japan's Grant Aid is executed.

1. To provide necessary data and information for the Project,
2. To secure and clear the site for the Project prior to the commencement of the construction,
3. To arrange the access road to the sites prior to commencement of the construction,
4. To provide facilities for distribution of electricity, telephone, drainage, sewage and other incidental facilities to the Project site as follow;
 - 1) Electricity distributing line to the site,
5. To bear advising commission of Authorization to Pay (A/P) and payment commission to the Japanese foreign exchange bank for the banking services based upon Banking Arrangement (B/A),
6. To exempt taxes and to take necessary measures for customs clearance of the materials and equipment brought for the Project at the port of disembarkation,
7. To ensure prompt unloading of the equipment procured under the Grant,
8. To accord Japanese nationals whose services may required in connection with the supply of products and the services under the verified contract such facilities as may be necessary for their entry into the Republic of Uganda and stay therein for the execution of the Project,
9. To provide necessary permission, licenses and other authorization for carrying out the Project,
10. To provide necessary action to expedite the approval for execution of the Project by the authorities concerned in the Republic of Uganda,
11. To maintain and make proper and effective use of the equipment purchased under the Grant,
13. To bear all the expenses other than those to be born by the Grant, necessary for construction of the facilities as well as for the transportation and the installation of the equipment.

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卷 末 图 表

表-1 パイロット村落における水質試験結果 (F/S 1996)

| NO | JA-2 | JA-3 | JA-5(1) | JA-5(2) | JA-7 | JA-8 | JA-9 |
|-------------|--------------|--------|---------|---------|----------|--------|--------|
| Location | Ssinde-1 | Kawawa | Bekina | Bekina | Ssinde-2 | Magere | Seeta |
| Colour | yellow-brown | clear | clear | clear | clear | clear | clear |
| Odour | no | no | no | no | no | no | no |
| Taste | slt, bitter | no | no | no | no | no | no |
| pH | 6.05 | 5.93 | 6.15 | 6.49 | 6.40 | 6.36 | 5.96 |
| Turbidity | 160.00 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 |
| E.C. | 136.40 | 143.00 | 69.80 | 68.50 | 310.00 | 116.80 | 126.20 |
| Alkalinity | 34.00 | 36.00 | 12.00 | 12.00 | 0.00 | 24.00 | 36.00 |
| Ca++ | 4.80 | 4.80 | 2.00 | 2.00 | | 2.00 | 7.50 |
| Total Hard. | 20.00 | 30.00 | 10.00 | 7.00 | 142.00 | 13.00 | 32.40 |
| CaCO3 | 12.00 | 12.00 | 5.00 | 5.00 | 103.00 | 5.00 | 18.76 |
| Mg++ | 1.94 | 4.37 | 1.21 | 0.49 | 9.50 | 1.94 | 3.31 |
| Na++ | 10.00 | 20.00 | 8.00 | 8.00 | 13.40 | 14.00 | 15.00 |
| K+ | 1.00 | 0.00 | 1.00 | 1.00 | 1.60 | 2.00 | 3.00 |
| Fe++ | 0.10 | 0.08 | 0.00 | 0.00 | 0.01 | 0.00 | 0.05 |
| Fe+++ | 30.50 | 1.82 | 0.25 | 0.17 | 0.06 | 0.08 | 0.08 |
| Mn++ | 0.14 | 0.02 | 0.03 | 0.02 | 0.04 | 0.02 | 0.01 |
| F- | 1.00 | 0.10 | 0.35 | 0.35 | 0.20 | 0.85 | 0.60 |
| CO3- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HCO3- | 41.45 | 43.88 | 14.63 | 14.63 | 153.70 | 29.26 | 43.88 |
| PO4- | 0.00 | 0.05 | 0.05 | 0.00 | 0.19 | 0.43 | 0.26 |
| Cl- | 23.00 | 20.00 | 0.00 | 0.00 | 6.00 | 3.00 | 2.00 |
| NO2- | 0.00 | 0.01 | 0.02 | 0.01 | | 0.00 | 0.02 |
| NO3- | 0.00 | 2.20 | 2.64 | 0.00 | 0.00 | 0.00 | 5.28 |
| SO4-- | 0.00 | 0.00 | 2.00 | 2.00 | 23.00 | 0.00 | 10.00 |
| TDS | 68.30 | 71.70 | 35.00 | 34.40 | 154.00 | 88.50 | 63.10 |

表-2 バイロット村落における水質試験結果 (B/D 1997)

| Parameters | Units | JA-7 | JA-3 | JA-5 | JA-9 | JA-8 | WHO Guidelines | DWD Guidelines |
|---|------------|--------|-----------|------------|------------|------------|----------------|----------------|
| Appearance | | Brown | Brown | Colourless | Colourless | Colourless | Acceptable | Acceptable |
| Taste | | Earthy | Tasteless | Tasteless | Tasteless | Tasteless | Acceptable | Acceptable |
| Odour | | Rusty | Odourless | Odourless | Odourless | Odourless | Acceptable | Acceptable |
| Turbidity | NTU | 90 | 107 | 0.0 | 5.0 | 0.0 | 5.0 | 10 |
| TDS | Mg/l | 50 | 27 | 61.5 | 79.4 | 30.3 | 1500 | 1000 |
| Electrical Conductivity | μ s/cm | 99.8 | 54.3 | 122.7 | 158.5 | 60.1 | | |
| pH | | 5.90 | 5.54 | 6.21 | 6.13 | 5.69 | 6.5-9.5 | 5.5-8.5 |
| Alkalinity (Total) as CaCO ₃ | Mg/l | 22.0 | 5.0 | 32.0 | 50.0 | 3.0 | | |
| Hardness (Total) as CaCO ₃ | Mg/l | 24.34 | 10.02 | 27.21 | 54.52 | 9.31 | 500 | 600 |
| Calcium | Mg/l | 2.29 | 2.0 | 7.73 | 9.16 | 2.0 | | |
| Magnesium | Mg/l | 2.78 | 1.22 | 1.91 | 7.68 | 1.04 | | |
| Sodium | Mg/l | 7.0 | 12.0 | 6.0 | 8.0 | 11.0 | | |
| Potassium | Mg/l | 1.0 | 0.0 | 1.0 | 1.0 | 5.0 | | |
| Iron (Total) | Mg/l | 1.87 | 1.36 | 0.05 | 0.02 | 0.26 | 0.3 | 1.0 |
| Manganese | Mg/l | 0.031 | 0.032 | 0.015 | 0.14 | 0.15 | 0.1 | 1.0 |
| Bicarbonate | Mg/l | 26.82 | 6.1 | 39.01 | 60.95 | 3.66 | | |
| Chloride | Mg/l | 5.0 | 23.0 | 6.0 | 7.0 | 3.0 | 250 | 250 |
| Fluoride | Mg/l | 0.0 | 0.5 | 0.6 | 0.55 | 0.3 | 1.5 | 2.0 |
| Sulphate | Mg/l | 10.8 | 0 | 6.2 | 4 | 12 | 250 | 250 |
| Nitrate | Mg/l | 0.0 | 0.0 | 1.8 | 2.0 | 4.35 | 50 | 20 |
| Nitrite | Mg/l | 0.0 | 0.02 | 0.009 | 0.004 | 0.0 | 3.0 | 0.0 |
| Phosphate | Mg/l | 0.3 | 0.45 | 0.38 | 0.25 | 0.45 | | |

表-3 簡易水質試験結果

| No. | community | Sub-County | District | lat. | long. | Geology | Borehole | | Water Quality | | | | | Note | | |
|-----|---------------|-------------|----------|------------|-------------|---------|----------|-----------|---------------|-----|------------|-------------|------------------|------|--------------------------|--------------------|
| | | | | | | | Number | Depth (m) | Temp. (°C) | pH | EC (µs/cm) | Iron (mg/l) | micro-org. (MPN) | | Coliform (MPN) | |
| 1 | Seeta | Nangabo | Mpigi | " " " | " " " | B-T | JA-9 | 50.1 | 26.0 | 6.3 | 170.0 | 0.2 | - | - | 開発調査パイロット井戸。室内試験室。 | |
| 2 | Magere | Nangabo | Mpigi | " " " | " " " | B-T | JA-8 | 63.0 | 25.5 | 5.4 | 60.0 | 0.2 | - | - | 開発調査パイロット井戸。室内試験室。 | |
| 3 | Wampoo | Nangabo | Mpigi | " " " | " " " | GC | | | 21.0 | 6.4 | 150.0 | 3.0 | 58 | 30 | やや濁りあり。 | |
| 4 | Kasangati | Nangabo | Mpigi | 0° 26' 31" | 32° 36' 31" | GC | 5576 | | 23.5 | 6.7 | 260.0 | 0.3 | 18 | 1 | 無色透明。 | |
| 5 | Magiryoo | Kyamukoko | Mpigi | 0° 29' 29" | 32° 36' 48" | GC | S/P | 0.5 | 22.5 | 5.8 | 80.0 | 0.5 | 6 | 17 | 濁茶に濁る。黒母片岩分布。 | |
| 6 | Lukole school | - | Lwelo | 0° 34' 45" | 32° 34' 03" | GC | | 100f | 23.0 | 6.3 | 250.0 | 0.3 | 2 | 2 | DWD測井。 | |
| 7 | Kisimbiri | Wakiso | Mpigi | 0° 24' 28" | 32° 29' 25" | GC | P.S/P | | 22.0 | 5.6 | 60.0 | 0.6 | - | 5 | | |
| 8 | Kisimbiri | Wakiso | Mpigi | 0° 24' 28" | 32° 29' 25" | GC | | | 24.0 | 5.7 | 90.0 | 0.3 | 1 | - | やや濁る。WAISAN Pro July '95 | |
| 9 | Kirolo | Musulita | Mpigi | 0° 33' 03" | 32° 25' 41" | GC | | | 21.0 | 5.9 | 120.0 | 0.8 | 31 | 11 | 濁茶に濁る。浅井戸、ニラポンプ。 | |
| 10 | Nabusanki T/C | Nabusanki | Mpigi | 0° 00' 49" | 32° 03' 06" | B-T | GD 3880 | 120f | 22.5 | 5.7 | 100.0 | 6.0 | 57 | 31 | 濁る。DWD 2/2/95 | |
| 11 | Ngando | Ngando | Mpigi | 0° 04' 35" | 31° 55' 01" | B-T | | | 23.0 | 6.2 | 150.0 | 1.5 | 44 | 43 | 濁る。Unicef 13/1/95 | |
| 12 | Kiriri | Mpanja | Mpigi | 0° 12' 34" | 32° 03' 34" | B-T | | 100f | 22.0 | 6.2 | 140.0 | 7.5 | 24 | 11 | ハンドルがかなり重い。 | |
| 13 | Lubare | Kabalusuke | Mpigi | 0° 07' 58" | 31° 47' 30" | B-T | | 12.0 | 21.5 | 6.4 | 880.0 | 3.0 | 6 | 2 | 河床。雨期に水没することあり。 | |
| 14 | Bekina | Butanyuriga | Mubende | " " " | " " " | B-T | JA-5 | 59.0 | 22.0 | 5.9 | 50.0 | 0.1 | 2 | 4 | 開発調査パイロット井戸。室内試験室。 | |
| 15 | Mwera | Kakindu | Mubende | 0° 18' 54" | 32° 07' 14" | B-T | | | 24.0 | 6.0 | 250.0 | 3.0 | 10 | 2 | 連続使用で濁る。設置後10年経過。 | |
| 16 | Kakungabe | Mayanzi | Mubende | 0° 27' 17" | 31° 49' 19" | B-T | | | 22.5 | 6.3 | 130.0 | 3.0 | 1 | 9 | かなり濁る。 | |
| 17 | Mweda | Mayanzi | Mubende | 0° 20' 51" | 32° 08' 54" | B-T | | 45.0 | 22.0 | 6.1 | 160.0 | 3.0 | 22 | 15 | 濁水問題がある。乾期濁る。 | |
| 18 | Mubende T/C | Mubende | Mubende | 0° 33' 35" | 31° 23' 22" | B-T | | | 23.0 | 6.8 | 300.0 | 0.1 | - | 21 | | |
| 19 | Kiboga T/C | Kiboga T/C | Kiboga | 0° 33' 54" | 31° 23' 22" | GC | | 105f | 24.5 | 7.2 | 570.0 | - | - | - | - | 乾期は早期のみ取水可能。午後は濁水。 |
| 20 | Ntwetwe | Ntwetwe | Kiboga | 0° 56' 57" | 31° 35' 27" | GC | | | 25.5 | 7.7 | 360.0 | - | - | - | - | |
| 21 | Ssinde-i | Lwanata | Kiboga | " " " | " " " | B-T | JA-2 | 50.1 | 20.0 | 6.8 | 160.0 | 8.0 | - | - | - | 開発調査パイロット井戸。室内試験室。 |
| 22 | Karawa | Lwanata | Kiboga | " " " | " " " | B-T | JA-3 | 13.9 | 23.5 | 6.8 | 150.0 | 0.6 | - | - | - | 開発調査パイロット井戸。室内試験室。 |

表-4 ムピギ県村落調査一覧表 (1/2)

| No. | COMMUNITY | SUB-COUNTY | Tpc | long | TOPO. | GEO. | ACCESS | POPULATION | | E/X | BOREHOLE | | NOTE | |
|-----|--------------|------------|-----|------|-------|------|--------|------------|------|-----|----------|-----|------|--|
| | | | | | | | | F/S | B/D | | PLAN | B/D | | |
| 1 | Kabwemba | Maddu | B-T | | | | | 857 | 300 | 0 | 3 | 3 | 120 | 水源は0.5km先のSwamp. |
| 2 | Kabala | Maddu | B-T | | | | | 233 | 230 | 0 | | | | |
| 3 | Kigwasa | Maddu | B-T | | | | | 400 | 400 | | 2 | 2 | | |
| 4 | Kawavika | Maddu | B-T | | | | | 450 | 450 | | 2 | 2 | | |
| 5 | Kyamboyo | Maddu | B-T | | | | 系統不可 | 300 | 300 | 0 | 1 | 1 | | 浅井必要、水源は0.8マイル先のDug-Well. |
| 6 | Lukonda | Maddu | B-T | | | | | 400 | 400 | | 1 | 1 | | |
| 7 | Makuluru | Maddu | B-T | | | | | 260 | 250 | 0 | 1 | 1 | 0 | |
| 8 | Kyamabale | Maddu | B-T | | | | | 700 | 700 | | 2 | 2 | 200 | |
| 9 | Kanavaya | Maddu | B-T | | | | | 420 | 420 | | 2 | 2 | 100 | |
| 10 | Kanavaga | Maddu | B-T | | | | | 436 | 450 | | 2 | 2 | | |
| 11 | Kirasi | Maddu | B-T | | | | | 350 | 350 | | 1 | 1 | 200 | 人口は多少変動、以前は枯井が湧きに湧出したが水量、水質共に少なく失敗。 |
| 12 | Nakumbhe | Maddu | B-T | | | | | 300 | 410 | 0 | 1 | 1 | 100 | 浅井必要、No.5の層部に位置する。 |
| 13 | Kabwira | Maddu | B-T | | | | 系統不可 | 600 | 600 | 0 | 2 | 2 | | |
| 14 | Kaviraga A | Kabwiro | B-T | | | | | 450 | 500 | 0 | 1 | 1 | 140 | 水源は2マイル先のSwamp、水量は5マイル先のDamを水源とする。 |
| 15 | Kivungo | Kabwiro | B-T | | | | | 350 | 350 | | 2 | 2 | | |
| 16 | Kakungiri B | Kabwiro | B-T | | | | | 300 | 350 | | 1 | 1 | 210 | AとBの層が湧き、人口は多少変動、水源は1.5km先のDug-Well、水量は水の差。 |
| 17 | Lubale B | Kabwiro | B-T | | | | | 570 | 600 | 1 | 1 | 1 | 120 | 井戸河床に位置し、水量に多少変動、水源は1.5km先のDug-Well、水量は水の差。 |
| 18 | Nikongora | Kabwiro | B-T | | | | | 520 | 0 | | 2 | 0 | | No.18の層部の地表で湧き、水量は多少変動、No.18の層部の地表で湧き、水量は多少変動。 |
| 19 | Lumaga | Kabwiro | B-T | | | | | 350 | 700 | 0 | 2 | 4 | | 水源は1km先のDug-Well、水量は1km先のDug-Well。 |
| 20 | Lumagoch | Kabwiro | B-T | | | | 系統不可 | 407 | 450 | 0 | 2 | 2 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 21 | Lurira | Kabwiro | B-T | | | | | 1328 | 1350 | | 5 | 4 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 22 | Euhwaga East | Kabwiro | B-T | | | | 系統不可 | 500 | 500 | 0 | 2 | 2 | 100 | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 23 | Euhwaga West | Kabwiro | B-T | | | | | 800 | 800 | | 3 | 3 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 24 | Kawoko | Kabwiro | B-T | | | | | 400 | 400 | | 1 | 1 | 100 | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 25 | Nakulamwile | Kabwiro | B-T | | | | | 800 | 800 | | 3 | 3 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 26 | Mawaki | Kabwiro | B-T | | | | | 480 | 500 | 0 | 2 | 2 | 0 | Mawaki Eastに位置し。 |
| 27 | Kiri | Mpanja | B-T | | | | | 1500 | 1500 | 1 | 4 | 4 | 100 | |
| 28 | Mwaga | Mpanja | B-T | | | | | 420 | 450 | | 2 | 2 | 180 | |
| 29 | Buyambwale | Mpanja | B-T | | | | | 1000 | 1000 | | 3 | 3 | | |
| 30 | Mpanja | Mpanja | B-T | | | | | 400 | 450 | 0 | 2 | 2 | | 水源は3層先のDug-Well、水量はこれら2層の2層のみが使用可能、水量は1km先のDug-Well。 |
| 31 | Busole | Mpanja | B-T | | | | | 500 | 750 | 0 | 3 | 3 | 120 | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 32 | Mpanja | Mpanja | B-T | | | | | 500 | 500 | | 3 | 3 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 33 | Kandira | Mpanja | B-T | | | | | 220 | 250 | 0 | 1 | 1 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 34 | Nyambara | Mpanja | B-T | | | | | 420 | 450 | 1 | 1 | 1 | 110 | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 35 | Kwamba | Mpanja | B-T | | | | | 300 | 800 | 0 | 3 | 3 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 36 | Wairongop | Kyamboyo | B-T | | | | | 500 | 600 | 0 | 2 | 2 | | 水量は1km先のDug-Well、水量は1km先のDug-Well。 |
| 37 | Buakuru | Kyamboyo | GC | | | | | 340 | 340 | | 1 | 1 | | |
| 38 | Kanavaya | Kyamboyo | GC | | | | | 491 | 500 | | 2 | 2 | | |
| 39 | Kitoko | Kyamboyo | B-T | | | | | 220 | 250 | | 1 | 1 | 100 | |
| 40 | Seta | Kyamboyo | GC | | | | | 185 | 200 | | 1 | 1 | 00 | |
| 41 | Mjunde | Kyamboyo | GC | | | | | 450 | 450 | | 2 | 2 | 140 | |
| 42 | Maji | Kyamboyo | CC | | | | | 450 | 500 | 0 | 1 | 1 | 120 | |

表-5 ムビギ県村落調査一覧表 (2/2)

(調査員は書体印を付す)

| No. | COMMUNITY | SUB-COUNTY | lat | long | TOPO | GEO | ACCESS | POPULATION | | E/X | BOREHOLE | | JICA F/S/JICA B/D | | NOTE |
|-------|---------------------|----------------|-----|------|------|-----|--------|------------|-------|-----|----------|-----|-------------------|---------|--|
| | | | | | | | | F/S | B/D | | PLAN | B/D | GEF (m) | GEF (m) | |
| 43 | Kwanda T/O | Kyambope | | | GC | | | 550 | 550 | | 3 | 3 | 160 | | 既設井戸深さ200m(井戸底盛土無し) |
| 44 | Nakingo | Kyambope | | | GC | | | 750 | 750 | | 2 | 2 | | | |
| 45 | Mwetu | Kyambope | | | B-T | | | 1700 | 1700 | | 5 | 5 | 110 | | |
| 46 | Kesoo | Kyambope | | | GC | | | 1500 | 1500 | | 5 | 5 | | | |
| 47 | Mweto | Kyambope | | | GC | | | 800 | 850 | | 2 | 2 | 100 | | WES programにリソエズボタ。(Gusea P School) |
| 48 | Kasanzu T/C/Kasanzu | Nangabo | | | GC | | | 200 | 300 | 0 | 1 | 1 | | | 水源地は井戸かDug Well. 敷設は既設入。 |
| 49 | Karanga | Nangabo | | | GC | | | 330 | 0 | 1/3 | 1 | 0 | | | 井戸と48に隣接。深さ10m。Wangweleに裏通し。 |
| 50 | Kwailimu | Nangabo | | | GC | | | 300 | 350 | 0/1 | | | | | 水源地は井戸の湧水の分。 |
| 51 | Mwanzu | Nangabo | | | GC | | | 750 | 750 | 0 | 1 | 1 | | | |
| 52 | Nakwamwani | Nangabo | | | GC | | | 450 | 450 | 0 | | | | | |
| 53 | Kwala | Nangabo | | | B-T | | | 800 | 750 | 0 | 3 | 3 | | | 水源地は1.5km先のDug Well. 敷設は96m先のSwamp. |
| 54 | Nyando | Nyando | | | B-T | | | 550 | 550 | 1 | 2 | 2 | 160 | | |
| 55 | Ewerwaba | Nyando | | | B-T | | | 475 | 600 | 0 | 1 | 1 | | | 水源地は0.5km先の湧水。人口は子供420人。大人300人。 |
| 56 | Nobubungu | Nyando | | | B-T | | | 1000 | 1000 | 0 | 3 | 3 | | | 水源地は28m先のSwamp. 敷設は2.9km先。 |
| 57 | Bwando | Nyando | | | B-T | | | 700 | 950 | | 3 | 2 | 200 | | |
| 58 | Gusea | Nyando | | | B-T | | | 200 | 300 | 0 | 1 | 1 | | | Gusea Aに隣接 |
| 59 | Tulubo | Nyando | | | B-T | | | 400 | 400 | 0 | 2 | 2 | 200 | | Tulubaに隣接。Community名は、Kasabhi-Imungwe L.O. |
| 60 | Bweshango | Nyando | | | B-T | | | 425 | 450 | 0 | 1 | 1 | 200 | | 既設井戸あり。 |
| 61 | Kwanzu | Masaiti/Kiziba | | | GC | | | 500 | 500 | 0 | 2 | 2 | | | 水源地はDug Well. 敷設は1km先のSwamp. |
| 62 | Weyyungu | Masaiti/Kiziba | | | GC | | | 750 | 750 | | 2 | 2 | 110 | | 井戸と61に隣接。敷設は敷設無し。 |
| 63 | Nakikumbaba | Masaiti/Kiziba | | | GC | | | 249 | 250 | 0 | 1 | 1 | | | 水源地はSwampの分。 |
| 64 | Mawulia A | Masaiti/Kiziba | | | GC | | | 250 | 300 | 0 | 1 | 1 | 100 | | 近くに学校専用のB/Dあり。 |
| 65 | Kwanzu | Namuyumba | | | B-T | | | 1300 | 1300 | 0 | 4 | 4 | 100 | | |
| 66 | Kwanzu | Namuyumba | | | B-T | | | 500 | 500 | | 2 | 2 | | | |
| 67 | Makungu | Namuyumba | | | B-T | | | 420 | 450 | 0 | 2 | 2 | | | 水源地は3km先のSwamp. |
| 68 | Bwamba | Namuyumba | | | B-T | | | 525 | 550 | | 1 | 1 | 200 | | |
| 69 | Mugulika | Namuyumba | | | B-T | | | 800 | 800 | 0 | 2 | 2 | | | 水源地はDug Well. 敷設は1km先のSwamp. |
| 70 | Bwao | Namuyumba | | | B-T | | | 750 | 250 | | 1 | 1 | 140 | | |
| 71 | Kwasa | Namuyumba | | | B-T | | | 850 | 850 | | 2 | 2 | | | |
| 72 | Bwamba | Namuyumba | | | B-T | | | 500 | 500 | | 2 | 2 | 110 | | |
| 73 | Namuyumba | Namuyumba | | | B-T | | | 800 | 900 | | 2 | 2 | 140 | | MDD 0988 1906. |
| 74 | Bwangu | Namuyumba | | | B-T | | | 800 | 800 | | 2 | 2 | 200 | | |
| 75 | Bwambo | Namuyumba | | | B-T | | | 250 | 250 | 0 | 1 | 1 | | | 水源地は井戸の湧水。 |
| 76 | Kwanzu | Wakiso | | | GC | | | 800 | 1000 | 1 | 3 | 3 | 100 | | 水源地は井戸の湧水。敷設は北津川の河川。敷設無し。 |
| 77 | Nyando Central | Wakiso | | | GC | | | 1000 | 1000 | 0 | 3 | 3 | | | |
| 78 | Bwasa T/O | Wakiso | | | GC | | | 600 | 600 | 1 | 2 | 2 | 0 | | |
| 79 | Kwanzu T/O | Kisumu | | | B-T | | | 800 | 800 | | 2 | 2 | 180 | | |
| 80 | Kikomari | Nisoi | | | B-T | | | 850 | 850 | | 2 | 2 | 130 | | Senの生徒を含むその人口は1600人。 |
| Total | | | | | | | | 49798 | 48080 | | 165 | 157 | | | |

表-6 ムバンデ県村落調査一覽表 (1/2)

(調査報告書付資料)

| No. | COMMUNITY | SUB-COUNTY | lat | long | TOPO. | GEO. | ACCESS | POPULATION | | E/X | BOREHOLE | | JICA F/S/JICA B/D | | NOTE |
|-----|----------------|------------|-----|------|-------|------|--------|------------|------|-----|----------|-----|-------------------|-----|---|
| | | | | | | | | P/S | B/D | | PLAN | B/D | GEP | GEP | |
| 1 | Kibungwe | Kibungwe | | | GC | | | 327 | 350 | 0 | 2 | 2 | | | 水源はマイル先のDug-Well。人口は80世帯×8人。 |
| 2 | Kivunguza | Kivunguza | | | GC | | 開闢不可 | 595 | 600 | 0 | 2 | 2 | | | 開闢時4輪輸入不可。水源は1Km先のSwamp。敷設は1.8Km先。 |
| 3 | Budigaba | Kibungwe | | | GC | | | 582 | 600 | | 2 | 2 | | | |
| 4 | Bukonyo | Kibungwe | | | GC | | | 400 | 300 | | 2 | 2 | 120 | | 人口は、Bukonyo B/Dのみ。小学生数15人。 |
| 5 | Kakanga | Bageza | | | Gr | | | 600 | 800 | | | 1 | 0 | | |
| 6 | Mugungu | Bageza | | | B-T | | | 700 | 700 | 0 | 3 | 3 | 120 | | P.S.の児童数400人。水源はSwamp。敷設は1.5Km先が水源。 |
| 7 | Kiangazi | Bageza | | | B-T | | | 800 | 800 | | 3 | 3 | 200 | | 人口は、86世帯×7人で村裏。開闢はスワンプ。敷設は2km先の引水利用。 |
| 8 | Kyamukono | Bageza | | | B-T | | | 700 | 750 | 0 | 3 | 3 | | | 水源はマイル先のSwamp。敷設は5マイル先。180世帯×10人。 |
| 9 | Konguliro | Bageza | | | B-T | | | 400 | 400 | | 2 | 2 | | | 水源は3Km先のDug-Well。敷設は5km先のSwamp。 |
| 10 | Bakujira | Bageza | | | B-T | | | 325 | 350 | 0 | 1 | 1 | 180 | | 人口は、子供数120人。0.5マイル先のDug-Well利用。 |
| 11 | Kaboya | Bageza | | | Gr | | | 350 | 350 | | 2 | 2 | | | |
| 12 | Kakabu | Bageza | | | Gr | | | 400 | 400 | | 2 | 2 | | | |
| 13 | Makanga | Kamukya | | | GC | | | 500 | 550 | 0 | 2 | 2 | | | 水源は0.8Km先のSwamp。敷設は1.8Km先のDem. 200世帯×7人。 |
| 14 | Kasembya T/C | Kasembya | | | GC | | | 800 | 800 | | 3 | 3 | 0 | | |
| 15 | Kiloma | Maduhu | | | Gr | | | 575 | 600 | 0 | 1 | 1 | | | 水源は1.8Km先のValley-Dam。敷設は4Km先のSwamp。 |
| 16 | Nkabano | Maduhu | | | Gr | | | 700 | 650 | | 3 | 3 | 100 | | 人口は世帯数から算出。源泉の設置に失敗して、現在はDug-Wellを利用。 |
| 17 | Katona | Kiyini | | | Gr | | | 480 | 400 | | 2 | 2 | 120 | | 人口は世帯数200から算出。小学校の児童数増加すると860人増加。 |
| 18 | Kasanda T/C | Kasanda | | | B-T | | | 1700 | 1500 | 0/1 | 6 | 5 | 0 | | 6本の立坑は組閣。井戸を先に設置。水源は1Km先のDug-Well。敷設3Km先。 |
| 19 | Namuhale | Kasanda | | | Gr | | | 350 | 350 | | 2 | 2 | | | 人口は世帯数不明。 |
| 20 | Kwabagazi | Kasanda | | | B-T | | 開闢不可 | 280 | 300 | | 1 | 1 | | | |
| 21 | Kamul | Kasanda | | | B-T | | | 500 | 300 | | | | 120 | | 敷設は、5マイル先のKibanda村にあるValley Damを利用。 |
| 22 | Kasani A | Kasanda | | | B-T | | | 700 | 700 | | 3 | 3 | 140 | | 人口は子供数120人。 |
| 23 | Kakama | Kasanda | | | Gr | | 開闢困難 | 350 | 400 | 0 | 1 | 1 | | | 水源はDug-Well。 |
| 24 | Kikumbya | Kasanda | | | B-T | | 開闢困難 | 200 | 250 | 0 | 1 | 1 | | | 水源はSwampの水。敷設は3Km先まで掘水。 |
| 25 | Buharamuzuru A | Myanzi | | | B-T | | | 580 | 580 | | 2 | 2 | | | |
| 26 | Makasa | Myanzi | | | B-T | | | 700 | 700 | | 3 | 3 | 200 | | Shelton Wellは25m先にあり。敷設、マイル先の材料から掘水。 |
| 27 | Misamba | Myanzi | | | M | | | 350 | 400 | | 2 | 2 | 0 | | |
| 28 | Kakama | Myanzi | | | B-T | | | 450 | 450 | | | | 200 | | Shelton Wellより。 |
| 29 | Kyakagambulu | Myanzi | | | M | | | 420 | 420 | | 2 | 2 | | | 人口は子供数。 |
| 30 | Kabany | Myanzi | | | M | | | 532 | 550 | 0 | 2 | 2 | | | 水源はSwampの水。敷設は7マイル先まで掘水。 |
| 31 | Bukoba | Myanzi | | | B-T | | | 255 | 300 | | 1 | 1 | | | |
| 32 | Lukira | Myanzi | | | B-T | | | 910 | 850 | 1 | 3 | 3 | | | 深井戸(深さ15m)。 |
| 33 | Kyamutaba | Myanzi | | | M | | | 650 | 650 | | 2 | 2 | 200 | | |
| 34 | Kasasa | Myanzi | | | B-T | | | 450 | 450 | | 2 | 2 | 200 | | 人口は子供数。 |
| 35 | Makubi | Bukoya | | | B-T | | | 200 | 200 | | 1 | 1 | | | 世帯数は32。小学校の児童数を加えると360人増す。水源は敷設に掘水しない源泉。 |
| 36 | Kalongo | Bukoya | | | Gr | | | 400 | 400 | | 1 | 1 | 200 | | 世帯数は64。 |
| 37 | Kibumbi | Bukoya | | | B-T | | 開闢不可 | 300 | 300 | | 1 | 1 | | | 開闢時は輸送不可。 |
| 38 | Konyo | Bukoya | | | B-T | | | 200 | 300 | 0 | 1 | 1 | | | |
| 39 | Kikumbi-Kaba | Burimi | | | B-T | | | 350 | 350 | | 1 | 1 | 180 | | |
| 40 | Nakaseka | Burimi | | | B-T | | | 200 | 200 | 1 | 4 | 4 | | | 97.2mの深さ掘削(DWD)。ポンプ設置済。水源は源泉。敷設はマイル先。 |
| 41 | Namwato | Burimi | | | M | | | 300 | 350 | | 1 | 1 | 200 | | 世帯数は76。96.6mの深さ掘削。水源は低層源泉。 |
| 42 | Bugabo | Burimi | | | M | | | 500 | 500 | | 2 | 2 | | | |

表-7 ムベンデ県村落調査一覽表 (2/2)

(単位: 調査年度は資料)

| No. | COMMUNITY | SUB-COUNTY | loc | long | TOPG. | GEO. | ACCESS | POPULATION | | E/X | BOREHOLE | | JICA F/S/JICA B/D | | NOTE | |
|-------|---------------|------------|-----|------|-------|------|--------|------------|-------|-----|----------|-----|-------------------|-----|---|--|
| | | | | | | | | F/S | B/D | | PLAN | B/D | CEP | CEP | | |
| 43 | Ketakihi | Buzinbo | | | M | | | 600 | 600 | | 2 | 2 | | 180 | 敷設、1.1マイル先のKibbe R.C.の水を引取。 | |
| 44 | Magonolo | Buzinbo | | | M | | | 700 | 700 | | 3 | 3 | | | 大淵は0.8km先のDug-Well | |
| 45 | Nakurur-Nvuri | Buzinbo | | | M | | | 300 | 300 | 0 | 1 | 1 | | 200 | 敷設井戸は敷設したまま放棄、既設井戸で満足。 | |
| 46 | Kelapelo | Bukwa | | | B-T | | | 520 | 550 | 1 | 2 | 2 | | 200 | 人口は子供を含む。放棄前に家庭用の開掘で人口は子供を含む。放棄前に家庭用の開掘で人口は子供を含む。 | |
| 47 | Nwagiro B | Bukwa | | | M | | | 890 | 900 | | 3 | 3 | | 200 | 村には学校医者のみ存在、小学校一室まであり、改良水道、敷設7マイル。 | |
| 48 | Kwanda | Bukwa | | | B-T | | | 950 | 600 | | 1 | 1 | | | | |
| 49 | Keelemtse | Sekunganyi | | | B-T | | | 700 | 700 | | 2 | 2 | | | | |
| 50 | Katungulu | Sekunganyi | | | B-T | | | 450 | 450 | | 2 | 2 | | | | |
| 51 | Buzinbo | Sekunganyi | | | B-T | | 隣村不可 | 1000 | 1000 | | 4 | 4 | | | | |
| 52 | Kwamba | Sekunganyi | | | B-T | | | 450 | 450 | | 2 | 2 | | | | |
| 53 | Kwelonogelo | Sekunganyi | | | B-T | | | 800 | 800 | | 2 | 2 | | | | |
| 54 | Sekunganyi | Sekunganyi | | | B-T | | | 500 | 650 | 1 | 1 | 1 | | 180 | 井戸放棄、水淵は1km先のDug-Well、敷設は0.5km先のSwamp | |
| 55 | Kakulandiro | Kikandwa | | | B-T | | | 450 | 450 | | 2 | 2 | | 200 | 井戸放棄は小学校敷設に相当、人口は小学校の児童を含み、学校用井戸のみ、敷設には周辺の村を包摂する。 | |
| 56 | Bambule | Kikandwa | | | B-T | | | 620 | 650 | 0/1 | 1 | 1 | | | | |
| 57 | Sakimay | Masayi | | | B-T | | | 600 | 600 | | 2 | 2 | | 120 | 人口は子供を含む。 | |
| 58 | Nekale | Masayi | | | B-T | | | 800 | 800 | | 2 | 2 | | 100 | 放棄数は55。 | |
| 59 | Masayi | Masayi | | | B-T | | | 500 | 600 | | 2 | 2 | | 110 | Shallow Well、1マイル先にはなし。 | |
| 60 | Masong | Masayi | | | M | | 隣村不可 | 200 | 250 | | 1 | 1 | | 200 | 放棄数は60、敷設にはMwamba R.C.の水を利用。 | |
| 61 | Muzumba | Masayi | | | B-T | | 隣村不可 | 400 | 450 | 0 | 1 | 1 | | 200 | 水淵は2km先のDug-Well、敷設は0.5km先のDug-Well | |
| 62 | Kakalele | Masayi | | | B-T | | 隣村不可 | 400 | 400 | 0 | 2 | 2 | | | | |
| 63 | Buwale | Masayi | | | B-T | | | 500 | 500 | | 2 | 2 | | | | |
| 64 | Bekina | Buzungula | | | B-T | | | 800 | 850 | 0 | 2 | 2 | | 110 | Bekina Aに隣接あり、放棄数は200、Bekina BにAを覆ふ | |
| 65 | Kwanda | Buzungula | | | B-T | | | 240 | 250 | 1 | 1 | 1 | | 140 | 井戸放棄、敷設、5マイル先の河川を利用。 | |
| 66 | Kizungu | Buzungula | | | B-T | | | 400 | 400 | | 1 | 1 | | | | |
| 67 | Nakwiba | Buzungula | | | B-T | | | 400 | 400 | | 2 | 2 | | | | |
| 68 | Kwambani | Buzungula | | | B-T | | | 1000 | 1000 | 0 | 3 | 3 | | | | |
| 69 | Wanaba | Buzungula | | | B-T | | | 650 | 650 | | 3 | 3 | | | | |
| 70 | Nabwiri | Kalindu | | | B-T | | | 1000 | 1000 | | 4 | 4 | | 140 | 人口は、R.C.の敷。 | |
| 71 | Buzungulu | Kalindu | | | B-T | | | 395 | 370 | 1 | 1 | 1 | | | | |
| 72 | Banzaga | Kalindu | | | B-T | | | 1200 | 1200 | | 4 | 4 | | | | |
| 73 | Kalama | Kalindu | | | B-T | | | 460 | 460 | | 2 | 2 | | | | |
| 74 | Nyagulo | Kalindu | | | B-T | | | 280 | 300 | | 1 | 1 | | 200 | 放棄数は94、放棄地の真上に放棄あり。 | |
| 75 | Mweta | Kalindu | | | B-T | | | 780 | 800 | 1/2 | 1 | 1 | | 200 | 放棄数は、放棄地不可、他の1マイル先に敷設(新築)が見られる、放棄数は0。 | |
| 76 | Kalindu | Kalindu | | | B-T | | | 1000 | 950 | 1/1 | 3 | 3 | | | | |
| 77 | Mwanda | Kalindu | | | B-T | | | 300 | 350 | 1 | 1 | 1 | | | | |
| 78 | Kwawu | Malungu | | | B-T | | | 600 | 600 | 1/1 | 2 | 2 | | | | |
| 79 | Magonolo | Malungu | | | B-T | | | 370 | 400 | | 1 | 1 | | 130 | 放棄数は25、3本の放棄井戸(2本は敷設に相当)を引取。 | |
| 80 | Lulumbu | Malungu | | | B-T | | | 700 | 700 | | 2 | 2 | | | | |
| 81 | Kwanda | Malungu | | | B-T | | | 800 | 800 | | 2 | 2 | | 200 | Shallow Well、1km先にあり。 | |
| | | | | | | | | 44516 | 45170 | | 180 | 159 | | | | |
| Total | | | | | | | | | | | | | | | | |

表-8 キボガ県村落調査一覽表 (1/2)

| No. | COMMUNITY | SUB-COUNTY | lat | long | TOPO | GEO | ACCESS | POPULATION | | E/X | BOREHOLE | | JICA F/S/JICA B/D | | NOTE |
|-----|---------------------|------------|-----|------|------|-----|--------|------------|------|-----|----------|-----|-------------------|-----|---|
| | | | | | | | | F/S | B/D | | PLAN | B/D | GEP | GEP | |
| 1 | Kaganza | Bukomero | | | | B-T | | 504 | 310 | | 1 | 1 | | | |
| 2 | Kalungula A | Bukomero | | | | B-T | | 900 | 900 | | 2 | 2 | | | |
| 3 | Masiriba | Bukomero | | | | GC | | 300 | 350 | | 1 | 1 | 300 | | Mairiba A Bを以て、総積算A=240, B=120. |
| 4 | Kirwe | Bukomero | | | | GC | 既積算可 | 470 | 470 | O | 2 | 2 | 120 | | 総積算者および世帯数150. 既積算Valley Dam利用. |
| 5 | Muvungu | Bukomero | | | | GC | 既積算不可 | 650 | 650 | | 3 | 3 | | | Bukomero 村からKwana河まで洪水、農業地4輪導入不可. |
| 6 | Kwanga | Bukomero | | | | GC | | 800 | 900 | | 3 | 3 | | | 総積算者および世帯数150. 2マイル先地帯にSewerage Works. |
| 7 | Kwamba West | Bukomero | | | | M | | 250 | 250 | | 1 | 1 | 200 | | |
| 8 | Kwamba East | Bukomero | | | | M | | 320 | 320 | | 2 | 2 | O | | |
| 9 | Bukomero T/C | Bukomero | | | | B-T | | 905 | 810 | O | 3 | 3 | | | B, H, Sの区に区及び、既積算も別個なし. 総積算120. 世帯数300(Kwamba A+BのTotal). |
| 10 | Nyamukole | Bukomero | | | | GC | | 750 | 750 | | 2 | 2 | 160 | | |
| 11 | Kagali | Bukomero | | | | B-T | | 320 | 350 | 1 | 2 | 2 | | | Muvungu 村から1.8km先地帯まで洪水. |
| 12 | Kambizi | Nwavo | | | | GC | 既積算不可 | 175 | 180 | | 1 | 1 | | | |
| 13 | Nibata | Nwavo | | | | GC | | 1320 | 1320 | O | 4 | 4 | | | |
| 14 | Bugumula | Nwavo | | | | GC | | 450 | 450 | | 2 | 2 | O | | |
| 15 | Nwavo T/C | Nwavo | | | | GC | | 524 | 450 | O | 2 | 2 | O | | |
| 16 | Kiwemba/Lubaga | Nwavo | | | | GC | | 258 | 300 | | 1 | 1 | | | |
| 17 | Bulaga | Nwavo | | | | GC | 既積算不可 | 222 | 250 | | 1 | 1 | | | Nwavo 村から1.8km先地帯まで洪水. 農業地4輪導入不可. |
| 18 | Nwavo B | Nwavo | | | | GC | | 500 | 500 | | 2 | 2 | | | 総積算者100人. |
| 19 | Nalulama St. Kiziba | Nwavo | | | | GC | | 200 | 200 | | 1 | 1 | 140 | | |
| 20 | Ntusi | Nwavo | | | | GC | | 540 | 540 | | 2 | 2 | 120 | | 総積算者100. 世帯数150. 既積算3マイル先の水灌利用. |
| 21 | Kigali | Nwavo | | | | GC | | 250 | 250 | | 2 | 2 | | | |
| 22 | Lwambilo | Nwavo | | | | GC | | 450 | 450 | O | 2 | 2 | | | Duwa Well 水灌と、既積算田山(5マイル先)を利用. |
| 49 | Nawole/Ewala Mem | Nwavo | | | | GC | | 450 | 400 | | 2 | 2 | 120 | | 総積算者55. |
| 67 | Kesamba B | Nwavo | | | | GC | | 550 | 550 | | 1 | 1 | 140 | | 60世帯. |
| 23 | Kasasa | Kiboga | | | | GC | | 380 | 380 | | 2 | 2 | | | |
| 24 | Kirinda | Kiboga | | | | GC | | 500 | 500 | | 2 | 2 | O | | |
| 25 | Kajaga | Kiboga | | | | B-T | | 500 | 500 | | 2 | 2 | 200 | | 総積算者110. 世帯数70. |
| 26 | Nyamirirwa | Kiboga | | | | GC | | 210 | 210 | | 2 | 2 | | | |
| 27 | Kwaba | Kiboga | | | | GC | | 330 | 350 | | 2 | 2 | | | |
| 28 | Seesaa | Kiboga | | | | GC | | 300 | 300 | | 1 | 1 | | | |
| 29 | Kamburu | Kiboga | | | | B-T | 既積算不可 | 400 | 400 | | 2 | 2 | 200 | | 100世帯. |
| 30 | Kamburu | Kiboga | | | | B-T | | 498 | 470 | | 1 | 1 | | | |
| 31 | Kiwambizi | Kiboga | | | | B-T | | 550 | 550 | | 1 | 1 | | | |
| 32 | Kiboga | Kiboga | | | | GC | | 800 | 800 | | 1 | 1 | 120 | | 150世帯. 既積算2km先のSewerage Protection 利用. |
| 33 | Gogova | Kiboga | | | | GC | | 500 | 500 | | 1 | 1 | | | |
| 34 | Nyichoboni | Lwamba | | | | M | | 1400 | 1500 | | 3 | 0 | | | Lwamba 村を3マイル先地帯のBussubura(Duwa Well)で2マイル先地帯(2)に農業灌漑. |
| 35 | Kwamba | Lwamba | | | | M | | 300 | 300 | | 1 | 1 | | | 既積算者2名. 河川内に設置. 洪水排水不可. |
| 36 | Lumwa | Lwamba | | | | M | | 400 | 400 | | 1 | 1 | 200 | | Lumwa Aに灌漑. 100世帯. 人口は2世帯. |
| 37 | Nyungwa | Lwamba | | | | M | 既積算不可 | 280 | 300 | | 1 | 1 | | | |
| 38 | Nandi | Lwamba | | | | GC | | 550 | 550 | | 2 | 2 | 120 | | 総積算者125. O. 5マイル先のShell Well. |
| 39 | Bwanga | Lwamba | | | | M | | 470 | 500 | 0 | 1 | 1 | | | |

(河川流量調査資料)

表-9 キボガ県村落調査一覧表 (2/2)

| No. | COMMUNITY | SUB-COUNTY | lat | long | TOPD. | GEO. | ACCESS | POPULATION | | E/X | BOREHOLE | | | JICA F/S/JICA B/D | | NOTE | | |
|-----|----------------|------------|-----|------|-------|------|------------|------------|-------|-----|----------|-----|-----|-------------------|--|-----------------------------------|--|------------------------|
| | | | | | | | | F/S | B/D | | PLAN | B/D | SEP | SEP | | | | |
| 40 | Kambuye | Buramba | | | | GC | | 235 | 250 | 0 | 1 | 1 | | | | 水源はQuinellin Service。新築はDanの水を利用。 | | |
| 41 | Kavaza | Buramba | | | | GC | | 250 | 250 | | | | | | | | | |
| 42 | Kwagiri | Buramba | | | | GC | | 515 | 500 | 0 | 2 | 2 | | | | | | |
| 43 | Karabiro | Buramba | | | | GC | | 350 | 350 | | 2 | 2 | | | | 50世帯。 | | |
| 44 | Kapama | Buramba | | | | GC | | 480 | 500 | | 2 | 2 | | | | 180 | | |
| 45 | Bwama B | Buramba | | | | GC | 道路不可 | 380 | 380 | 1 | 2 | 2 | | | | 200 | 88世帯。B/Dは97年1月に掘削された。(Privateであるが住民も使用可能)。 | |
| 46 | Bitona B | Buramba | | | | GC | | 272 | 300 | 1 | 1 | 1 | | | | 200 | 成人の人口は270。赤泥地帯の小売店の年産額は420。 | |
| 47 | Bugurung | Buramba | | | | GC | | 310 | 300 | | 1 | 1 | | | | 200 | B/Dは97年9月に新築の出来で掘削。住民が利用中。 | |
| 49 | Kavuzi | Buramba | | | | GC | | 280 | 300 | | 1 | 1 | | | | 180 | 130世帯。敷設5マイル先の燃料の貯蔵が利用中。 | |
| 48 | Nagaczi | Muvumba | | | | B-T | 要Muzungu許可 | 250 | 350 | | 1 | 1 | | | | 200 | 200世帯。 | |
| 50 | Khondo | Nyambya | | | | GC | | 140 | 150 | 0 | | 0 | | | | | | |
| 52 | Kwamboro | Nyambya | | | | GC | | 580 | 600 | | 2 | 2 | | | | | | |
| 53 | Kigondo/Buraza | Nyambya | | | | GC | | 120 | 150 | | 1 | 1 | | | | | 世帯数は50。 | |
| 54 | Mujuzza | Nyambya | | | | GC | 道路不可 | 355 | 350 | | 2 | 2 | | | | | | |
| 55 | Bwambwa | Nyambya | | | | GC | 道路不可 | 149 | 1400 | | 4 | 4 | | | | | | |
| 56 | Nyambya | Nyambya | | | | GC | | 195 | 200 | | 1 | 1 | | | | | 180 | 人口は子供が多い。 |
| 57 | Kwanzaga | Nyambya | | | | GC | | 180 | 180 | | 1 | 1 | | | | | 水源はSwampの不安定な場所(季節により水可能な程度が変化する)。 | |
| 51 | Nalukubala | Masode | | | | GC | | 300 | 300 | | 1 | 1 | | | | | | |
| 58 | Bwanzaga | Masode | | | | GC | | 650 | 650 | 0 | 2 | 2 | | | | | | |
| 60 | Masode | Masode | | | | GC | | 900 | 900 | 0 | 2 | 2 | | | | | 140 | 90世帯。敷設5マイル先の沼地利用中。 |
| 61 | Vuzuba | Masode | | | | GC | | 500 | 500 | | 2 | 2 | | | | | 100 | 世帯数は60。付帯に片草場の開闢。草舎あり。 |
| 62 | Kafaji | Masode | | | | GC | | 350 | 350 | 0 | 1 | 1 | | | | | | |
| 63 | Kwambwa | Masode | | | | GC | | 500 | 500 | | 2 | 2 | | | | | | |
| 64 | Muligi | Masode | | | | GC | 道路不可 | 350 | 350 | | 1 | 1 | | | | | | |
| 65 | Bwanzaga | Masode | | | | GC | | 450 | 450 | 0 | 2 | 2 | | | | | | |
| 66 | Gwaza West | Gwaza | | | | GC | | 586 | 600 | | 2 | 2 | | | | | | |
| 68 | Nhondo | Gwaza | | | | GC | | 500 | 500 | | 2 | 2 | | | | | | |
| 69 | Bwambuka | Gwaza | | | | B-T | | 500 | 500 | | 2 | 2 | | | | | | |
| 70 | Kwanzaga West | Gwaza | | | | GC | | 400 | 400 | | 2 | 2 | | | | | | |
| 71 | Luwana | Gwaza | | | | B-T | | 300 | 300 | | 2 | 2 | | | | | | |
| 72 | Kwazi | Gwaza | | | | B-T | 道路不可 | 750 | 750 | | 3 | 3 | | | | | | |
| 73 | Kwanzaga East | Gwaza | | | | GC | | 600 | 600 | | 2 | 2 | | | | | | |
| | Kibaya Open | Kibaya | | | | GC | | 34021 | 34420 | | 125 | 122 | | | | | | |
| | Total | | | | | | | | | | | | | | | | | |

表 - 10 電気探査数量一覧表 (MPIGI DISTRICT : 37点)

| No. | COMMUNITY | SUB-COUNTY | GEOLOGY | SOUNDING DEPTH(m) |
|-----|----------------|-----------------|---------|-------------------|
| 1 | Kyabagamba | Maddu | B-T | 120 |
| 8 | Kyamabaale | Maddu | B-T | 200 |
| 9 | Kasambya | Maddu | B-T | 100 |
| 11 | Kirasi | Maddu | B-T | 200 |
| 12 | Nakitembe | Maddu | B-T | 100 |
| 15 | Kiryamongo | Kabulasoke | B-T | 140 |
| 16 | Kakubansiri B | Kabulasoke | B-T | 210 |
| 17 | Lubale B | Kabulasoke | B-T | 120 |
| 23 | Bulwadda West | Kabulasoke | B-T | 100 |
| 24 | Kawoko | Kabulasoke | B-T | 100 |
| 27 | Kiriri | Mpenja | B-T | 100 |
| 28 | Mpogo | Mpenja | B-T | 160 |
| 32 | Maseruka | Mpenja | B-T | 120 |
| 34 | Ngomanene | Mpenja | B-T | 110 |
| 39 | Kikoko | Kyambogo | B-T | 100 |
| 40 | Setta | Kyambogo | GC | 100 |
| 41 | Kjiudde | Kyambogo | GC | 140 |
| 42 | Magigyee | Kyambogo | GC | 120 |
| 43 | Kiwenda_T/C | Kyambogo | GC | 160 |
| 45 | Menvu | Kyambogo | B-T | 110 |
| 47 | Mairyee | Kyambogo | GC | 100 |
| 54 | Ngando | Ngando | B-T | 160 |
| 57 | Butende | Ngando | B-T | 200 |
| 59 | Tufube | Ngando | B-T | 200 |
| 60 | Bugobango | Ngando | B-T | 200 |
| 62 | Wabiyinja | Masulita/Kiziba | GC | 110 |
| 64 | Masulita A | Masulita/Kiziba | GC | 100 |
| 65 | Kyanuna | Namayumba | B-T | 100 |
| 68 | Bugimba | Namayumba | B-T | 200 |
| 70 | Buso | Namayumba | B-T | 140 |
| 72 | Bbembe | Namayumba | B-T | 110 |
| 73 | Namayumba | Namayumba | B-T | 140 |
| 74 | Busaku | Namayumba | B-T | 200 |
| 76 | Kasengejje | Wakiso | GC | 100 |
| 79 | Kituntu T/C | Kituntu | B-T | 180 |
| 80 | Kikomazzi | Nkozi | B-T | 130 |
| | Seeta(E/X,B.H) | Nangabo | GC | 100 |

電気探査平均深度

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B-T:Buganda-Toro System

GC:Gneiss Complex

表 - 11 電気探査数量一覧表 (MUBENDE DISTRICT : 35点)

| No. | COMMUNITY | SUB-COUNTY | GEOLOGY | SOUNDING DEPTH(m) |
|-----|--------------|------------|---------|-------------------|
| 4 | Bukongo | Kitenga | | 120 |
| 6 | Mugungu | Bagezza | B-T | 120 |
| 7 | Kisingizi | Bagezza | B-T | 200 |
| 10 | Bakijulala | Bagezza | B-T | 180 |
| 16 | Ngabano | Madudu | Gr | 100 |
| 17 | Katoma | Kiyuni | Gr | 120 |
| 19 | Namabale | Kassanda | Gr | 120 |
| 21 | Kamuli | Kassanda | B-T | 120 |
| 22 | Kasaazi A | Kassanda | B-T | 140 |
| 26 | Makata | Myanzi | B-T | 200 |
| 28 | Kalama | Myanzi | B-T | 200 |
| 29 | Kyakasengula | Myanzi | M | 200 |
| 33 | Kyawatuba | Myanzi | M | 200 |
| 34 | Kasana | Myanzi | B-T | 200 |
| 35 | Mabuubi | Bukuya | B-T | 200 |
| 36 | Kalongo | Bukuya | Gr | 200 |
| 39 | Kikumbi | Busimbi | B-T | 180 |
| 41 | Namyeso | Busimbi | M | 200 |
| 43 | Katakala | Busimbi | M | 180 |
| 46 | Kalangalo | Bulera | B-T | 200 |
| 47 | Lwogero | Bulera | M | 200 |
| 52 | Kisamba | Sekanyonyi | B-T | 90 |
| 54 | Sekanyonyi | Sekanyonyi | B-T | 180 |
| 55 | Kabulamuliro | Kikandwa | B-T | 200 |
| 57 | Serinnya | Maanyi | B-T | 120 |
| 58 | Nabale | Maanyi | B-T | 100 |
| 59 | Maanyi | Maanyi | B-T | 110 |
| 60 | Mpongo | Maanyi | M | 200 |
| 64 | Bekina A | Butayunja | B-T | 110 |
| 65 | Kande | Butayunja | B-T | 140 |
| 70 | Nabwiri | Kakindu | B-T | 140 |
| 74 | Ngugulo | Kakindu | B-T | 200 |
| 75 | Mwera | Kakindu | B-T | 200 |
| 79 | Malangala | Malangala | B-T | 130 |
| 81 | Kasalaga B | Malangala | B-T | 200 |

電気探査平均深度

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B-T:Buganda-Toro System
Gr:Granite
M:Mityana Series

表 - 12 電気探査数量一覧表 (KIBOGA DISTRICT : 36点)

| No. | COMMUNITY | SUB-COUNTY | GEOLOGY | SOUNDING DEPTH(m) |
|-----|----------------------|------------|---------|-------------------|
| 3 | Masiriba | Bukomero | GC | 200 |
| 4 | Katwe | Bukomero | GC | 120 |
| 7 | Kabamba West | Bukomero | M | 200 |
| 11 | Kagogo | Bukomero | B-T | 160 |
| 19 | Nakalama St. Kizito | Ntwetwe | GC | 140 |
| 20 | Ntuuti | Ntwetwe | GC | 120 |
| 49 | Natvole.fagala Mem | Ntwetwe | GC | 120 |
| 67 | Kasambva B | Ntwetwe | GC | 140 |
| 25 | Kizinga | Kiboga | B-T | 200 |
| 29 | Kambuğu | Kiboga | B-T | 200 |
| 32 | Kibiga | Kiboga | B-T | 120 |
| 36 | Lunnva | Lwamata | M | 200 |
| 38 | Nsanje | Lwamata | GC | 120 |
| 43 | Katanabiro | Butemba | GC | 160 |
| 44 | Kagalama | Butemba | GC | 160 |
| 45 | Bvenima B | Butemba | GC | 200 |
| 46 | Bikoma B | Butemba | GC | 200 |
| 59 | Kavunga | Butemba | GC | 160 |
| 48 | Nakasozı | Nakasozı | B-T | 200 |
| 53 | Kigando/Buraza | Nsambya | GC | 200 |
| 56 | Nsanbva | Nsambya | GC | 180 |
| 60 | Masodde | Masodde | GC | 140 |
| 61 | Vvumba | Masodde | GC | 100 |
| 69 | Butambuka | Gayaza | B-T | 160 |
| 73 | Kverere East | Gayaza | GC | 200 |
| | Kiboga town(A230m) | Kiboga | GC | 200 |
| | Kiboga town(A320m) | Kiboga | GC | 140 |
| | Kiboga town(A390m) | Kiboga | GC | 140 |
| | Kiboga town(A680m) | Kiboga | GC | 100 |
| | Kiboga town(B220m) | Kiboga | GC | 200 |
| | Kiboga town(C120m) | Kiboga | GC | 200 |
| | Kiboga town(C460m) | Kiboga | GC | 200 |
| | Kiboga town(D790m) | Kiboga | GC | 140 |
| | Kiboga town(D930m) | Kiboga | GC | 140 |
| | Kiboga town(D1180m) | Kiboga | GC | 140 |
| | Kiboga town(E/X,B.H) | Kiboga | GC | 100 |

電気探査平均深度

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B-T:Buganda-Toro System

GC:Gneiss Complex

M:Mityana Series

表 - 13 電気探査解析結果一覧表 (MPIGI DISTRICT : 37点)

| No. | COMMUNITY | SUB-COUNTY | 比抵抗値(Ωm) | | | | | | 下底深度(m) | | | | |
|-----|----------------|-----------------|----------|-------|-------|-------|-------|--------|---------|-----|-----|-----|-----|
| | | | 第1層 | 第2層 | 第3層 | 第4層 | 第5層 | 第6層 | 第1層 | 第2層 | 第3層 | 第4層 | 第5層 |
| 1 | Kyabagamba | Maddu | 58 | 26 | 222 | 45 | 588 | 1,760 | 1.1 | 5.6 | 18 | 46 | 84 |
| 8 | Kyamabaale | Maddu | 155 | 1,080 | 56 | 89 | 2,360 | | 0.4 | 1.5 | 23 | 69 | |
| 9 | Kasambya | Maddu | 22 | 59 | 39 | 660 | 3,300 | | 2.1 | 8.1 | 11 | 47 | |
| 11 | Kirasi | Maddu | 39 | 89 | 51 | 582 | 147 | 1,360 | 0.4 | 3.7 | 7.9 | 31 | 78 |
| 12 | Nakitembe | Maddu | 73 | 20 | 94 | 806 | | | 1.8 | 15 | 40 | | |
| 15 | Kiryamongo | Kabulasoke | 46 | 27 | 454 | 62 | 354 | | 2.3 | 9.0 | 25 | 86 | |
| 16 | Kakubansiri B | Kabulasoke | 226 | 580 | 59 | 194 | 60 | 357 | 0.6 | 2.8 | 8.8 | 23 | 119 |
| 17 | Lubale B | Kabulasoke | 12 | 222 | 122 | 3,600 | | | 8.3 | 41 | 62 | | |
| 23 | Buhwadda West | Kabulasoke | 43 | 69 | 40 | 270 | 118 | 306 | 1.3 | 6.0 | 9.4 | 27 | 51 |
| 24 | Kawoko | Kabulasoke | 83 | 8 | 981 | 4,730 | | | 2.3 | 5.1 | 50 | | |
| 27 | Kiriri | Mpenja | 54 | 380 | 87 | 489 | 382 | 1,170 | 0.8 | 1.9 | 7.5 | 38 | 71 |
| 28 | Mpogo | Mpenja | 81 | 3,610 | 207 | 3,110 | | | 1.0 | 9.8 | 51 | | |
| 32 | Masuruka | Mpenja | 418 | 3,730 | 1,590 | 6,940 | 1,100 | 7,290 | 0.7 | 3.2 | 7.2 | 22 | 48 |
| 34 | Ngomanene | Mpenja | 96 | 176 | 162 | 1,440 | | | 2.8 | 13 | 40 | | |
| 39 | Kikoko | Kyambogo | 94 | 1,080 | 228 | 1,410 | | | 0.9 | 14 | 37 | | |
| 40 | Setta | Kyambogo | 305 | 500 | 261 | 901 | | | 3.0 | 8.3 | 22 | | |
| 41 | Kjiudde | Kyambogo | 149 | 85 | 518 | 73 | 721 | 2,300 | 3.1 | 5.4 | 14 | 40 | 67 |
| 42 | Magigy | Kyambogo | 122 | 502 | 266 | 746 | 2,980 | | 1.6 | 7.4 | 34 | 61 | |
| 43 | Kiwenda T/C | Kyambogo | 87 | 311 | 173 | 741 | 3,630 | | 3.4 | 11 | 35 | 57 | |
| 45 | Menvu | Kyambogo | 332 | 507 | 217 | 515 | 116 | 1,990 | 2.0 | 4.8 | 9.8 | 22 | 44 |
| 47 | Mairy | Kyambogo | 82 | 176 | 50 | 293 | 175 | 6,490 | 0.7 | 1.3 | 2.6 | 8.5 | 19 |
| 54 | Ngando | Ngando | 127 | 349 | 147 | 248 | 55 | 455 | 1.1 | 3.9 | 19 | 38 | 77 |
| 57 | Butende | Ngando | 284 | 182 | 549 | 123 | 183 | 108 | 1.8 | 4.3 | 9.5 | 37 | 76 |
| 59 | Tufube | Ngando | 35 | 1,460 | 295 | 111 | | | 0.5 | 1.4 | 46 | | |
| 60 | Bugobango | Ngando | 126 | 440 | 311 | 131 | 508 | | 0.6 | 2.5 | 20 | 125 | |
| 62 | Wabiyinja | Masulita/Kiziba | 75 | 259 | 2,010 | 595 | | | 0.8 | 7.8 | 28 | | |
| 64 | Masulita A | Masulita/Kiziba | 71 | 264 | 153 | 669 | 255 | 694 | 0.9 | 6.5 | 9.4 | 21 | 42 |
| 65 | Kyanuna | Namayumba | 127 | 452 | 190 | 971 | 165 | 10,500 | 0.9 | 2.4 | 5.4 | 13 | 39 |
| 68 | Bugimba | Namayumba | 68 | 729 | 316 | 4,110 | | | 1.0 | 15 | 96 | | |
| 70 | Buso | Namayumba | 126 | 720 | 203 | 648 | | | 4.6 | 27 | 77 | | |
| 72 | Bbembe | Namayumba | 46 | 92 | 71 | 409 | 79 | 1,170 | 0.9 | 3.8 | 6.2 | 14 | 39 |
| 73 | Namayumba | Namayumba | 111 | 505 | 215 | 1,420 | 214 | 3,760 | 0.8 | 2.8 | 6.2 | 15 | 39 |
| 74 | Busaku | Namayumba | 71 | 592 | 214 | 2,070 | | | 1.1 | 24 | 66 | | |
| 76 | Kasengeje | Wakiso | 100 | 867 | 143 | 1,850 | | | 4.4 | 19 | 40 | | |
| 79 | Kituntu T/C | Kituntu | 18 | 571 | 36 | 20 | | | 2.7 | 17 | 79 | | |
| 80 | Kikomazzi | Nkozi | 267 | 698 | 98 | 36 | 101 | | 1.1 | 15 | 42 | 94 | |
| | Seeta(E/X.B.H) | Nangabo | 183 | 536 | 77 | 208 | 702 | | 0.9 | 2.9 | 12 | 39 | |

表 -14 電気探査解析結果一覧表 (MUBENDE DISTRICT : 35点)

| No. | COMMUNITY | SUB-COUNTY | 比抵抗値(Ωm) | | | | | | 下底深度(m) | | | | |
|-----|--------------|------------|----------|-------|-------|-------|-------|-------|---------|-----|-----|-----|-----|
| | | | 第1層 | 第2層 | 第3層 | 第4層 | 第5層 | 第6層 | 第1層 | 第2層 | 第3層 | 第4層 | 第5層 |
| 4 | Bukongo | Kitonga | 171 | 27 | 529 | 163 | 4,810 | | 1.9 | 4.5 | 13 | 29 | |
| 6 | Mugungu | Bagezza | 469 | 193 | 439 | 147 | 2,250 | | 2.6 | 7.7 | 19 | 39 | |
| 7 | Kisingizi | Bagezza | 96 | 380 | 252 | 1,170 | 140 | 7,490 | 0.6 | 2.9 | 6.5 | 15 | 43 |
| 10 | Bakijulala | Bagezza | 91 | 293 | 120 | 910 | 207 | 5,040 | 1.0 | 3.1 | 6.5 | 17 | 39 |
| 16 | Ngabano | Madudu | 121 | 339 | 218 | 2,120 | | | 3.2 | 21 | 28 | | |
| 17 | Katoma | Kiyuni | 120 | 202 | 132 | 888 | 3,010 | | 0.8 | 1.7 | 8.1 | 19 | |
| 19 | Namabale | Kassanda | 62 | 28 | 659 | 8,170 | | | 3.2 | 6.4 | 30 | | |
| 21 | Kamuli | Kassanda | 115 | 214 | 99 | 30 | 2,600 | | 2.5 | 25 | 47 | 61 | |
| 22 | Kasaazi A | Kassanda | 101 | 342 | 217 | 2,650 | | | 2.0 | 17 | 28 | | |
| 26 | Makata | Myanzi | 74 | 639 | 476 | 750 | | | 1.6 | 32 | 81 | | |
| 28 | Kalama | Myanzi | 300 | 134 | 1,450 | 285 | 706 | | 1.7 | 6.0 | 30 | 132 | |
| 29 | Kyakasengula | Myanzi | 569 | 95 | 1,070 | 264 | 1,660 | 317 | 0.7 | 1.7 | 4.9 | 10 | 39 |
| 33 | Kyawatuba | Myanzi | 111 | 217 | 1,860 | 759 | | | 3.0 | 6.4 | 25 | | |
| 34 | Kasana | Myanzi | 112 | 421 | 3,870 | 982 | 1,670 | | 0.4 | 3.8 | 27 | 90 | |
| 35 | Mabuubi | Bukuya | 126 | 506 | 308 | 701 | | | 4.4 | 34 | 129 | | |
| 36 | Kalongo | Bukuya | 67 | 46 | 643 | 222 | 2,720 | | 2.1 | 7.5 | 24 | 52 | |
| 39 | Kikumbi | Busimbi | 90 | 3,080 | 985 | 714 | | | 0.7 | 12 | 88 | | |
| 41 | Namyeso | Busimbi | 53 | 777 | 541 | 3,100 | | | 0.8 | 28 | 64 | | |
| 43 | Katakala | Busimbi | 123 | 1,310 | 503 | 720 | | | 2.3 | 21 | 93 | | |
| 46 | Kalangalo | Bulera | 46 | 700 | 143 | 795 | 230 | 1,350 | 0.5 | 1.4 | 4.8 | 15 | 83 |
| 47 | Lwogero | Bulera | 34 | 1,210 | 350 | 8,390 | | | 0.4 | 3.4 | 9.7 | | |
| 52 | Kisamba | Sekanyonyi | 195 | 377 | 1,680 | | | | 2.5 | 16 | | | |
| 54 | Sekanyonyi | Sekanyonyi | 94 | 650 | 110 | 1,490 | | | 1.9 | 19 | 75 | | |
| 55 | Kabulamuliro | Kikandwa | 63 | 579 | 133 | 498 | | | 1.8 | 6.7 | 111 | | |
| 57 | Serinyi | Maanyi | 75 | 58 | 372 | 219 | 947 | | 1.0 | 5.8 | 13 | 49 | |
| 58 | Nabale | Maanyi | 156 | 89 | 123 | 42 | 424 | | 0.9 | 8.2 | 17 | 46 | |
| 59 | Maanyi | Maanyi | 23 | 187 | 55 | 494 | 184 | 828 | 0.8 | 2.1 | 5.5 | 16 | 49 |
| 60 | Mpongo | Maanyi | 62 | 1,340 | 167 | 254 | 90 | 371 | 0.4 | 1.8 | 6.2 | 17 | 42 |
| 64 | Bekina A | Butayunja | 62 | 194 | 437 | 253 | 556 | | 1.1 | 2.9 | 15 | 76 | |
| 65 | Kande | Butayunja | 111 | 268 | 580 | 179 | 1,520 | | 1.1 | 7.5 | 20 | 52 | |
| 70 | Nabwiri | Kakindu | 103 | 173 | 32 | 515 | 3,510 | | 0.9 | 7.4 | 22 | 40 | |
| 74 | Ngugulo | Kakindu | 40 | 90 | 604 | 38 | 57 | | 0.4 | 5.0 | 12 | 105 | |
| 75 | Mwera | Kakindu | 51 | 382 | 169 | 511 | 78 | 2,050 | 0.4 | 1.8 | 4.5 | 9.9 | 47 |
| 79 | Malangala | Malangala | 56 | 485 | 417 | 7,330 | | | 1.1 | 19 | 43 | | |
| 81 | Kasalaga B | Malangala | 66 | 418 | 156 | 839 | | | 2.3 | 22 | 122 | | |

表 - 15 電氣探查解析結果一覽表 (KIBOGA DISTRICT : 36点)

| No. | COMMUNITY | SUB-COUNTY | 比抵抗値(Ωm) | | | | | | 下底深度(m) | | | | |
|-----|----------------------|------------|----------|-------|-------|-------|-------|-------|---------|-----|-----|-----|-----|
| | | | 第1層 | 第2層 | 第3層 | 第4層 | 第5層 | 第6層 | 第1層 | 第2層 | 第3層 | 第4層 | 第5層 |
| 3 | Masiriba | Bukomero | 254 | 1,470 | 52 | 245 | 143 | 3,690 | 0.5 | 1.9 | 6.8 | 17 | 42 |
| 4 | Katwe | Bukomero | 648 | 68 | 794 | | | | 3.8 | 31 | | | |
| 7 | Kabamba West | Bukomero | 147 | 762 | 63 | 275 | | | 0.6 | 13 | 102 | | |
| 11 | Kagogo | Bukomero | 79 | 314 | 153 | 837 | | | 1.6 | 7.0 | 37 | | |
| 19 | Nakalama St. Kizito | Ntwetwe | 75 | 232 | 117 | 472 | 52 | 2,320 | 0.8 | 2.8 | 5.3 | 11 | 68 |
| 20 | Ntuuti | Ntwetwe | 320 | 519 | 172 | 1,760 | 272 | 1,280 | 1.2 | 3.1 | 6.1 | 15 | 56 |
| 49 | Natvole.fagala Mem | Ntwetwe | 111 | 354 | 230 | 450 | 104 | 2,430 | 1.0 | 3.4 | 6.9 | 12 | 61 |
| 67 | Kasambva B | Ntwetwe | 81 | 392 | 144 | 340 | 106 | 2,770 | 0.7 | 2.6 | 6.4 | 16 | 46 |
| 25 | Kizinga | Kiboga | 91 | 684 | 89 | | | | 7.1 | 76 | | | |
| 29 | Kambugu | Kiboga | 34 | 357 | 23 | 809 | 3,670 | | 1.7 | 15 | 38 | 94 | |
| 32 | Kibiga | Kiboga | 233 | 2,120 | 269 | 448 | | | 0.9 | 6.1 | 25 | | |
| 36 | Lunnva | Lwamata | 60 | 15 | 3,190 | | | | 13 | 24 | | | |
| 38 | Nsanje | Lwamata | 299 | 926 | 103 | 815 | | | 0.9 | 4.7 | 63 | | |
| 43 | Katanabiro | Butemba | 72 | 587 | 274 | 114 | 1,070 | | 0.2 | 3.7 | 18 | 72 | |
| 44 | Kagalama | Butemba | 208 | 1,350 | 306 | 74 | 418 | | 0.9 | 6.2 | 30 | 74 | |
| 45 | Bvenima B | Butemba | 103 | 269 | 111 | 979 | 289 | 1,020 | 0.4 | 1.4 | 3.1 | 11 | 106 |
| 46 | Bikoma B | Butemba | 188 | 805 | 126 | 4,140 | 122 | 868 | 0.3 | 1.1 | 2.7 | 10 | 72 |
| 59 | Kavunga | Butemba | 142 | 22 | 318 | 17 | 383 | 4,910 | 1.9 | 4.3 | 10 | 30 | 68 |
| 48 | Nakasozzi | Nakasozzi | 9.5 | 201 | 40 | 3,210 | | | 0.3 | 15 | 58 | | |
| 53 | Kigando/Buraza | Nsambya | 109 | 757 | 125 | 699 | 9,140 | | 0.6 | 2.4 | 19 | 34 | |
| 56 | Nsanbva | Nsambya | 209 | 87 | 6.5 | 121 | 2,350 | | 1.1 | 11 | 19 | 42 | |
| 60 | Masodde | Masodde | 83 | 2,370 | 53 | 226 | 3,720 | | 0.7 | 3.9 | 13 | 33 | |
| 61 | Vvumba | Masodde | 47 | 709 | 398 | 1,040 | 9,690 | | 0.4 | 6.3 | 18 | 34 | |
| 69 | Butambuka | Gayaza | 58 | 194 | 157 | 6,160 | | | 1.0 | 5.6 | 28 | | |
| 73 | Kverere East | Gayaza | 68 | 890 | 350 | 110 | 2,410 | | 0.5 | 3.4 | 19 | 54 | |
| | Kiboga town(A230m) | Kiboga | 418 | 635 | 385 | 258 | 7,310 | | 1.3 | 2.5 | 18 | 54 | |
| | Kiboga town(A320m) | Kiboga | 96 | 955 | 168 | 2,700 | | | 0.9 | 6.1 | 41 | | |
| | Kiboga town(A390m) | Kiboga | 105 | 790 | 133 | 4,290 | | | 0.6 | 3.5 | 33 | | |
| | Kiboga town(A680m) | Kiboga | 72 | 546 | 217 | 2,770 | | | 0.8 | 3.2 | 13 | | |
| | Kiboga town(B220m) | Kiboga | 60 | 8.4 | 592 | | | | 3.2 | 52 | | | |
| | Kiboga town(C120m) | Kiboga | 38 | 8.5 | 3,930 | | | | 1.0 | 8.1 | | | |
| | Kiboga town(C460m) | Kiboga | 59 | 17 | 36 | 28 | 1,240 | | 1.0 | 3.1 | 8.7 | 19 | |
| | Kiboga town(D790m) | Kiboga | 53 | 353 | 21 | 173 | 66 | 4,620 | 0.6 | 1.8 | 5.4 | 15 | 29 |
| | Kiboga town(D930m) | Kiboga | 78 | 495 | 31 | 642 | 170 | 595 | 0.6 | 2.2 | 6.5 | 21 | 61 |
| | Kiboga town(D1180m) | Kiboga | 119 | 33 | 93 | 22 | 4,800 | | 1.2 | 2.8 | 6.9 | 16 | |
| | Kiboga town(E/X,B,H) | Kiboga | 240 | 1,810 | 332 | 496 | | | 1.1 | 2.9 | 25 | | |

表 - 16 電気探査結果による深井戸計画深度 (MPIGI DISTRICT : 37点)

| No. | COMMUNITY | SUB-COUNTY | GEOLOGY | SOUNDING | WEATHERING | BASEMANT | BOREHOLE |
|-----|----------------|-----------------|---------|----------|------------|----------|----------|
| | | | | DEPTH(m) | DEPTH(m) | DEPTH(m) | DEPTH(m) |
| 1 | Kyabagamba | Maddu | B-T | 120 | 70 | 40 | 110 |
| 8 | Kyamabaale | Maddu | B-T | 200 | 70 | 10 | 80 |
| 9 | Kasambya | Maddu | B-T | 100 | 21 | 49 | 70 |
| 11 | Kirasi | Maddu | B-T | 200 | 55 | 35 | 90 |
| 12 | Nakitembe | Maddu | B-T | 100 | 40 | 50 | 90 |
| 15 | Kiryamongo | Kabulasoke | B-T | 140 | 70 | 40 | 110 |
| 16 | Kakubansiri B | Kabulasoke | B-T | 210 | 120 | 20 | 140 |
| 17 | Lubale B | Kabulasoke | B-T | 120 | 62 | 8 | 70 |
| 23 | Bulwadda West | Kabulasoke | B-T | 100 | 34 | 66 | 100 |
| 24 | Kawoko | Kabulasoke | B-T | 100 | 5 | 55 | 60 |
| 27 | Kiriri | Mpenja | B-T | 100 | 8 | 72 | 80 |
| 28 | Mpogo | Mpenja | B-T | 160 | 86 | 34 | 120 |
| 32 | Maseruka | Mpenja | B-T | 120 | 59 | 51 | 110 |
| 34 | Ngomanene | Mpenja | B-T | 110 | 40 | 20 | 60 |
| 39 | Kikoko | Kyambogo | B-T | 100 | 36 | 34 | 70 |
| 40 | Setta | Kyambogo | GC | 100 | 22 | 18 | 40 |
| 41 | Kjitudde | Kyambogo | GC | 140 | 48 | 52 | 100 |
| 42 | Magigye | Kyambogo | GC | 120 | 28 | 42 | 70 |
| 43 | Kiwenda T/C | Kyambogo | GC | 160 | 35 | 35 | 70 |
| 45 | Menvu | Kyambogo | B-T | 110 | 36 | 34 | 70 |
| 47 | Mairye | Kyambogo | GC | 100 | pending | | - |
| 54 | Ngando | Ngando | B-T | 160 | 120 | 10 | 130 |
| 57 | Butende | Ngando | B-T | 200 | 70 | 20 | 90 |
| 59 | Tufube | Ngando | B-T | 200 | 90 | - | 90 |
| 60 | Bugobango | Ngando | B-T | 200 | 105 | 30 | 135 |
| 62 | Wabiyinja | Masulita/Kiziba | GC | 110 | 8 | 82 | 90 |
| 64 | Masulita A | Masulita/Kiziba | GC | 100 | 24 | 46 | 70 |
| 65 | Kyanuna | Namayumba | B-T | 100 | 43 | 27 | 70 |
| 68 | Bugimba | Namayumba | B-T | 200 | 1 | 104 | 105 |
| 70 | Buso | Namayumba | B-T | 140 | 60 | 70 | 130 |
| 72 | Bbembe | Namayumba | B-T | 110 | 30 | 35 | 65 |
| 73 | Namayumba | Namayumba | B-T | 140 | 40 | 50 | 90 |
| 74 | Busaku | Namayumba | B-T | 200 | 40 | 60 | 100 |
| 76 | Kasengeje | Wakiso | GC | 100 | 30 | 50 | 80 |
| 79 | Kituntu T/C | Kituntu | B-T | 180 | 80 | 10 | 90 |
| 80 | Kikomazzi | Nkozi | B-T | 130 | 90 | 40 | 130 |
| | Seeta(E/X,B.H) | Nangabo | GC | 100 | 40 | 20 | 60 |

B-T:Buganda-Toro System

GC:Gneiss Complex

水理地質単元による深井戸計画平均深度

単位: m

| 水理地質 | 調査地点数 (箇所数) | 掘削深度 | | |
|---------------------|----------------|------|------|------|
| | | 軟岩 | 硬岩 | 計 |
| Buganda-Toro System | 28 | 1581 | 1074 | 2655 |
| | | 56 | 40 | 95 |
| Gneiss Complex | 8 | 235 | 345 | 580 |
| | | 29 | 43 | 73 |

注:上段の数値は総掘削深度

下段の数値は平均掘削深度

表 - 17 電気探査結果による深井戸計画深度 (MUBENDE DISTRICT : 35点)

| No. | COMMUNITY | SUB-COUNTY | GEOLOGY | SOUNDING | WEATHERING | BASEMANT | BOREHOLE |
|-----|--------------|------------|---------|----------|------------|----------|----------|
| | | | | DEPTH(m) | DEPTH(m) | DEPTH(m) | DEPTH(m) |
| 4 | Bukongo | Kitenga | | 120 | 30 | 65 | 95 |
| 6 | Mugunglu | Bagezza | B-T | 120 | 45 | 35 | 80 |
| 7 | Kisingizi | Bagezza | B-T | 200 | 65 | 35 | 100 |
| 10 | Bakijjulala | Bagezza | B-T | 180 | 50 | 30 | 80 |
| 16 | Ngabano | Madudu | Gr | 100 | 40 | 30 | 70 |
| 17 | Katoma | Kiyuni | Gr | 120 | pending | | - |
| 19 | Namabale | Kassanda | Gr | 120 | 10 | 45 | 55 |
| 21 | Kamuli | Kassanda | B-T | 120 | 60 | 20 | 80 |
| 22 | Kasaazi A | Kassanda | B-T | 140 | 40 | 20 | 60 |
| 26 | Makata | Myanzi | B-T | 200 | 50 | 40 | 90 |
| 28 | Kalama | Myanzi | B-T | 200 | 115 | 35 | 150 |
| 29 | Kyakasengula | Myanzi | M | 200 | 25 | 75 | 100 |
| 33 | Kyawatuba | Myanzi | M | 200 | 20 | 100 | 120 |
| 34 | Kasana | Myanzi | B-T | 200 | - | 150 | 150 |
| 35 | Mabuubi | Bukuya | B-T | 200 | 70 | 80 | 150 |
| 36 | Kalongo | Bukuya | Gr | 200 | 10 | 60 | 70 |
| 39 | Kikumbi | Busimbi | B-T | 180 | - | 100 | 100 |
| 41 | Namyeso | Busimbi | M | 200 | - | 75 | 75 |
| 43 | Katakala | Busimbi | M | 180 | - | 100 | 100 |
| 46 | Kalangalo | Bulera | B-T | 200 | 65 | 35 | 100 |
| 47 | Lwogero | Bulera | M | 200 | pending | | - |
| 52 | Kisamba | Sekanyonyi | B-T | 90 | 20 | 50 | 70 |
| 54 | Sekanyonyi | Sekanyonyi | B-T | 180 | 70 | 50 | 120 |
| 55 | Kabulamuliro | Kikandwa | B-T | 200 | 105 | 45 | 150 |
| 57 | Serinnya | Maanyi | B-T | 120 | 30 | 50 | 80 |
| 58 | Nabale | Maanyi | B-T | 100 | 60 | 40 | 100 |
| 59 | Maanyi | Maanyi | B-T | 110 | 50 | 50 | 100 |
| 60 | Mpongo | Maanyi | M | 200 | 45 | 55 | 100 |
| 64 | Bekina A | Butayunja | B-T | 110 | 25 | 75 | 100 |
| 65 | Kande | Butayunja | B-T | 140 | 60 | 40 | 100 |
| 70 | Nabwiri | Kakindu | B-T | 140 | 40 | 25 | 65 |
| 74 | Ngugulo | Kakindu | B-T | 200 | 75 | 15 | 90 |
| 75 | Mwera | Kakindu | B-T | 200 | 60 | 30 | 90 |
| 79 | Malangala | Malangala | B-T | 130 | - | 90 | 90 |
| 81 | Kasalaga B | Malangala | B-T | 200 | 100 | 50 | 150 |

B-T:Buganda-Toro System

Gr:Granite

M:Mityana Series

水理地質単元による深井戸計画平均深度

単位: m

| 水理地質 | 調査地点 (箇所数) | 掘削深度 | | |
|---------------------|---------------|------|------|------|
| | | 軟岩 | 硬岩 | 計 |
| Buganda-Toro System | 24 | 1255 | 1190 | 2445 |
| | | 52 | 50 | 102 |
| Granite | 3 | 60 | 135 | 195 |
| | | 20 | 45 | 65 |
| Mityana Series | 5 | 90 | 405 | 495 |
| | | 18 | 81 | 99 |
| Gneiss Complex | 3 | 30 | 65 | 95 |
| | | 1 | 1 | 1 |

注:上段の数値は総掘削深度
下段の数値は平均掘削深度

表 - 18 電気探査結果による深井戸計画深度 (KIBOGA DISTRICT : 36点)

| No. | COMMUNITY | SUB-COUNTY | GEOLOGY | SOUNDING | WEATHERING | BASEMANT | BOREHOLE |
|-----|----------------------|------------|---------|----------|------------|----------|----------|
| | | | | DEPTH(m) | DEPTH(m) | DEPTH(m) | DEPTH(m) |
| 3 | Masiriba | Bukomero | GC | 300 | 55 | 20 | 75 |
| 4 | Katwe | Bukomero | GC | 120 | 30 | 30 | 60 |
| 7 | Kabamba West | Bukomero | M | 200 | 90 | 40 | 130 |
| 11 | Kagogo | Bukomero | B-T | 160 | 20 | 60 | 80 |
| 19 | Nakalama St. Kizito | Ntwetwe | GC | 140 | 60 | 40 | 100 |
| 20 | Ntuuti | Ntwetwe | GC | 120 | 55 | 30 | 85 |
| 49 | Natvole.fagala Mem | Ntwetwe | GC | 120 | 40 | 40 | 80 |
| 67 | Kasambva B | Ntwetwe | GC | 140 | 35 | 25 | 60 |
| 25 | Kizinga | Kiboga | B-T | 200 | 10 | 90 | 100 |
| 29 | Kambugu | Kiboga | B-T | 200 | 75 | 45 | 120 |
| 32 | Kibiga | Kiboga | B-T | 120 | 20 | 50 | 70 |
| 36 | Lunnva | Lwamata | M | 200 | 40 | 40 | 80 |
| 38 | Nsanje | Lwamata | GC | 120 | 45 | 25 | 70 |
| 43 | Katanabiro | Butemba | GC | 160 | 65 | 25 | 90 |
| 44 | Kagalama | Butemba | GC | 160 | 60 | 50 | 110 |
| 45 | Bvenima B | Butemba | GC | 200 | 90 | 30 | 120 |
| 46 | Bikoma B | Butemba | GC | 200 | 110 | 40 | 150 |
| 59 | Kavunga | Butemba | GC | 180 | 65 | 45 | 110 |
| 48 | Nakasozi | Nakasozi | B-T | 200 | 60 | 30 | 90 |
| 53 | Kigando/Buraza | Nsambya | GC | 200 | 15 | 55 | 70 |
| 56 | Nsanbva | Nsambya | GC | 180 | 60 | 20 | 80 |
| 60 | Masodde | Masodde | GC | 140 | 35 | 25 | 60 |
| 61 | Vvumba | Masodde | GC | 100 | pending | - | - |
| 69 | Butambuka | Gayaza | B-T | 160 | 40 | 10 | 50 |
| 73 | Kverere East | Gayaza | GC | 200 | 40 | 50 | 90 |
| | Kiboga town(120m) | Kiboga | GC | 200 | pending | - | - |
| | Kiboga town(460m) | Kiboga | GC | 200 | pending | - | - |
| | Kiboga town(790m) | Kiboga | GC | 140 | 30 | 15 | 45 |
| | Kiboga town(930m) | Kiboga | GC | 140 | 45 | 55 | 100 |
| | Kiboga town(1180m) | Kiboga | GC | 140 | pending | - | - |
| | Kiboga town(A230m) | Kiboga | GC | 200 | 45 | 25 | 70 |
| | Kiboga town(A320m) | Kiboga | GC | 140 | 45 | 25 | 70 |
| | Kiboga town(A390m) | Kiboga | GC | 140 | 30 | 20 | 50 |
| | Kiboga town(A680m) | Kiboga | GC | 100 | pending | - | - |
| | Kiboga town(B220m) | Kiboga | GC | 200 | 50 | 20 | 70 |
| | Kiboga town(E/X,B,H) | Kiboga | GC | 100 | - | 50 | 50 |

B-T:Buganda-Toro System
GC:Gneiss Complex
M:Mityana Series

水理地質单元による深井戸計画平均深度

単位: m

| 水理地質 | 調査地点 (箇所数) | 掘削深度 | | |
|---------------------|---------------|------|-----|------|
| | | 軟岩 | 硬岩 | 計 |
| Buganda-Toro System | 6 | 225 | 285 | 510 |
| | | 37 | 48 | 85 |
| Mityana Series | 2 | 130 | 80 | 210 |
| | | 65 | 40 | 105 |
| Gneiss Complex | 23 | 1105 | 760 | 1865 |
| | | 48 | 33 | 81 |

注: 上段の数値は総掘削深度
下段の数値は平均掘削深度

図-1 深井戸位置図 (ムピギ)

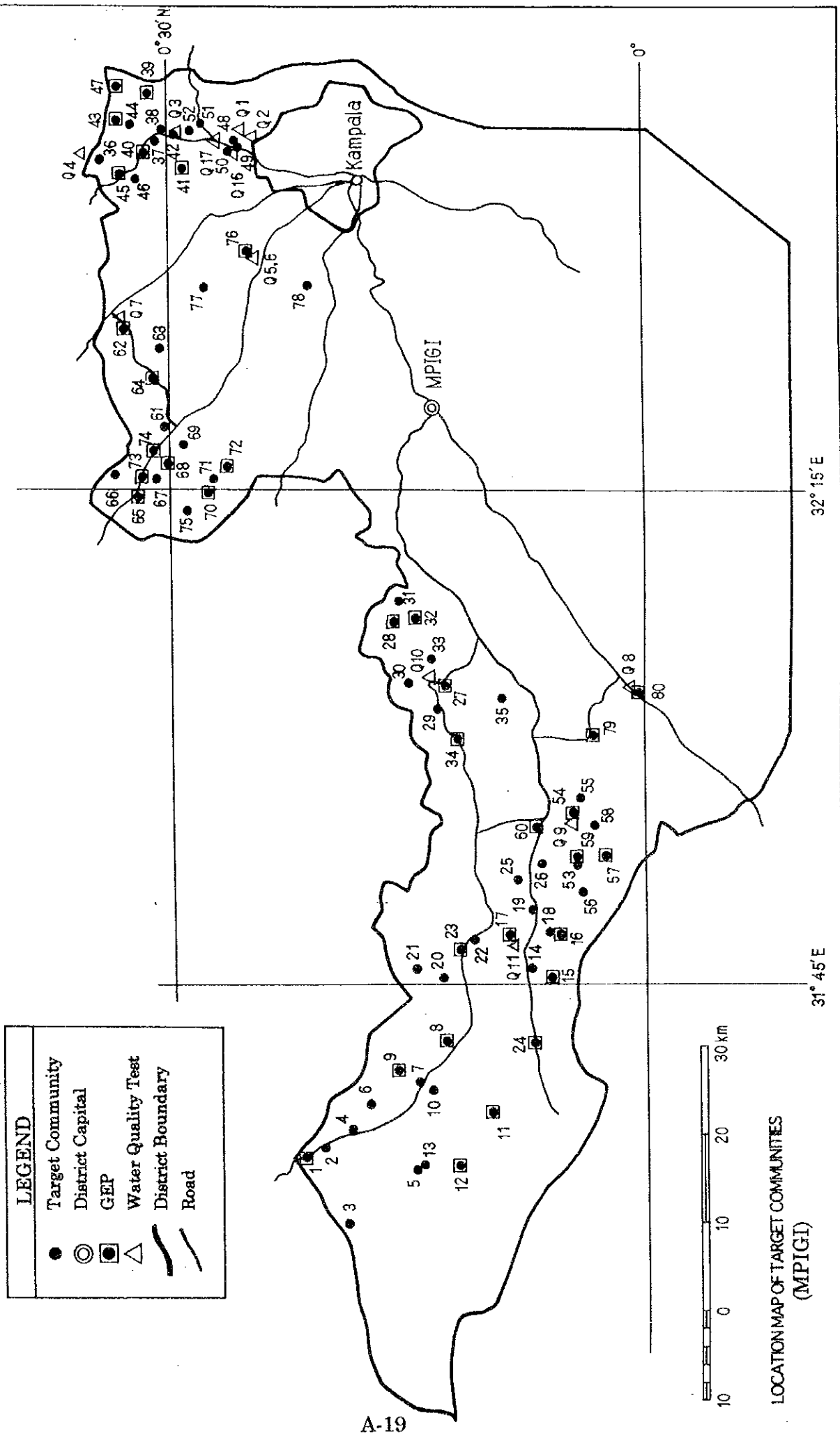


図-2 深井戸位置図 (ムベンデ)

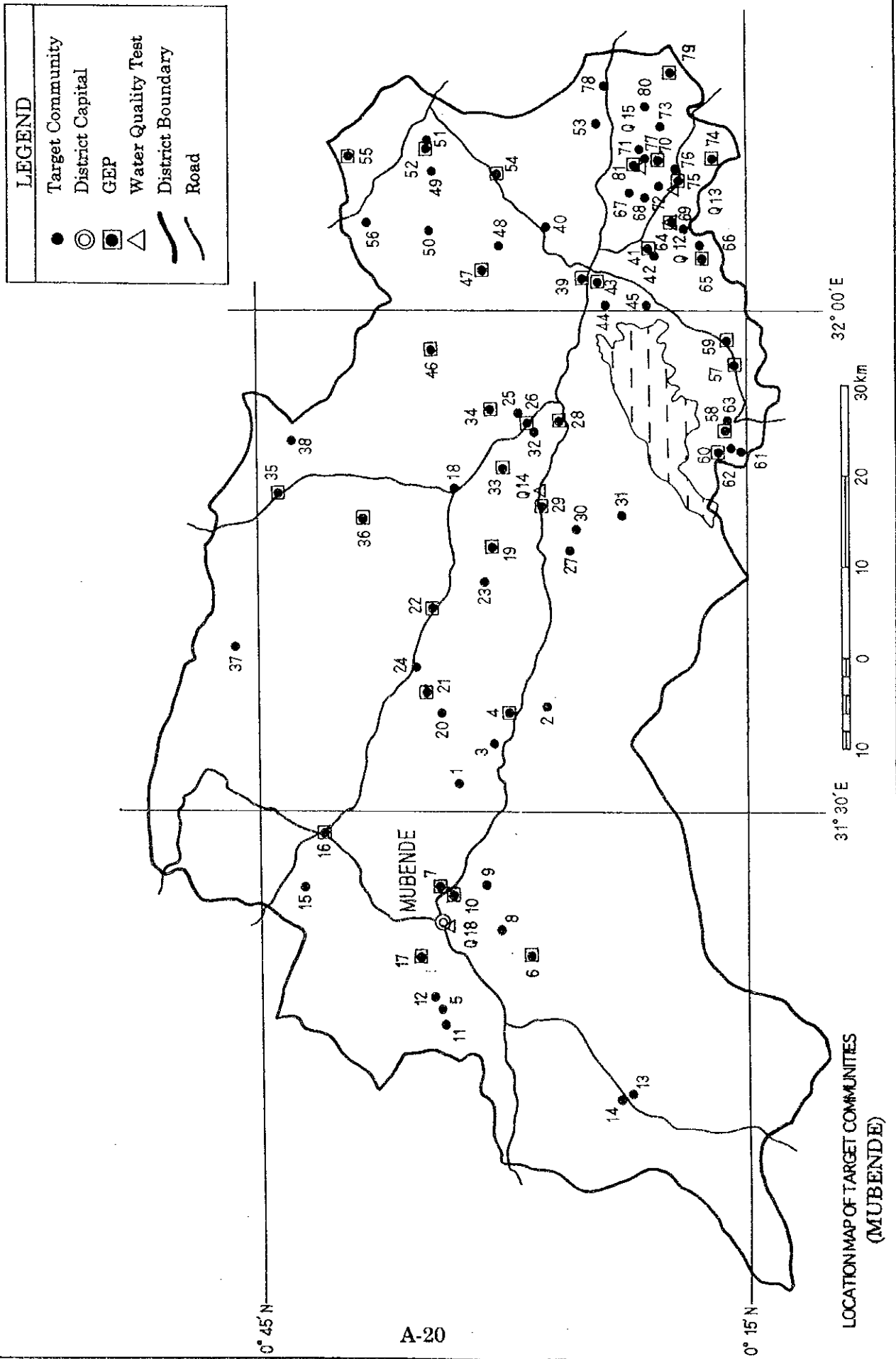


図-3 深井戸位置図 (キボガ)

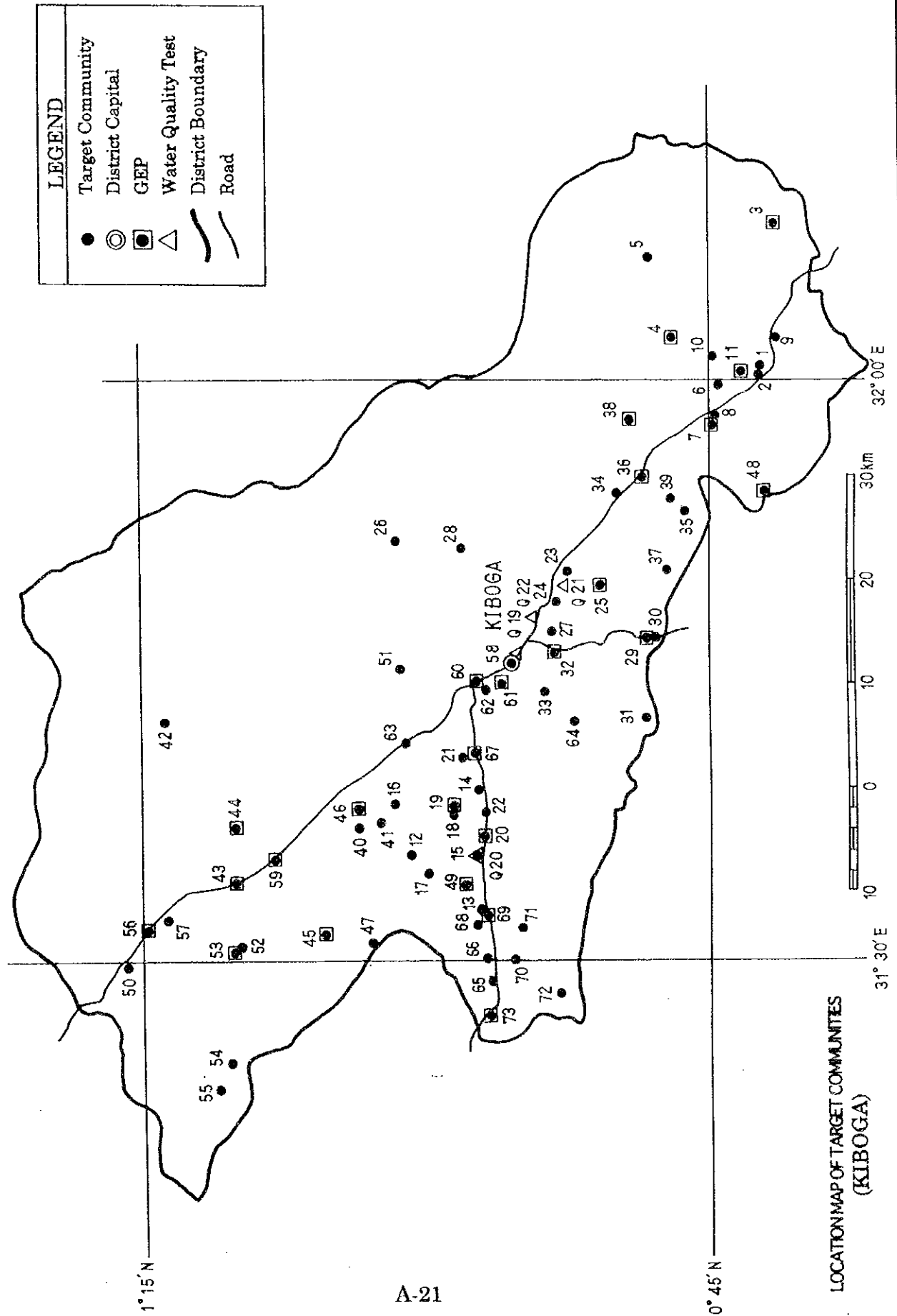
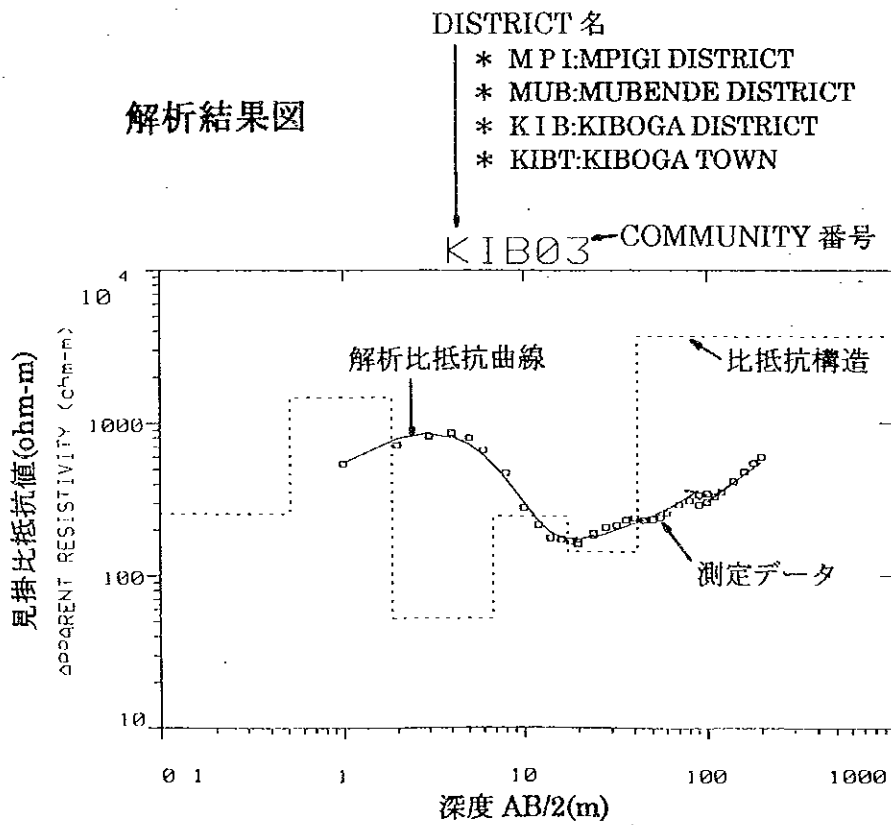
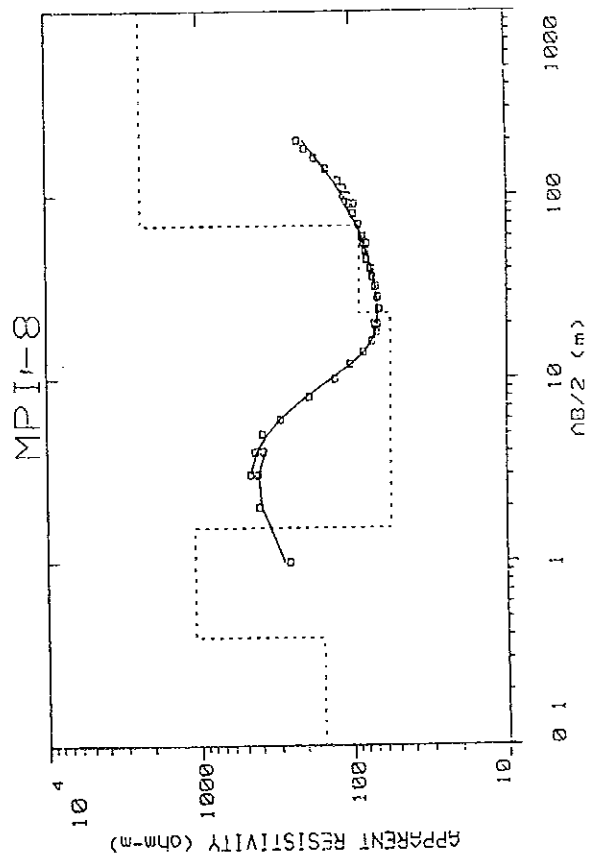
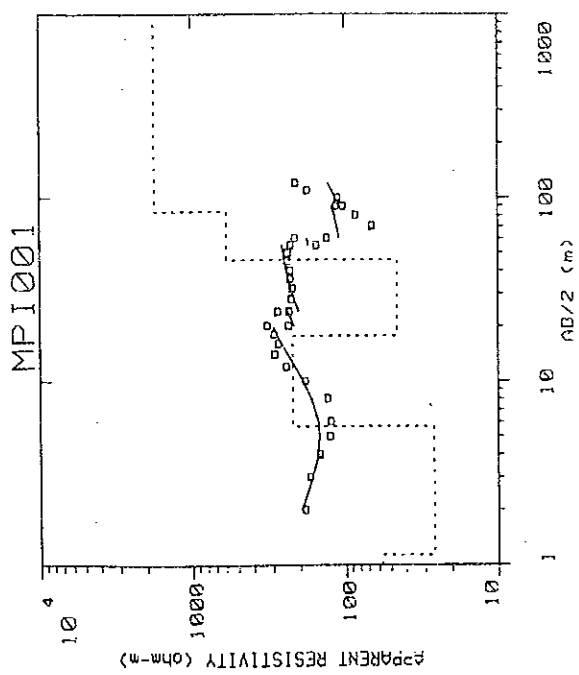
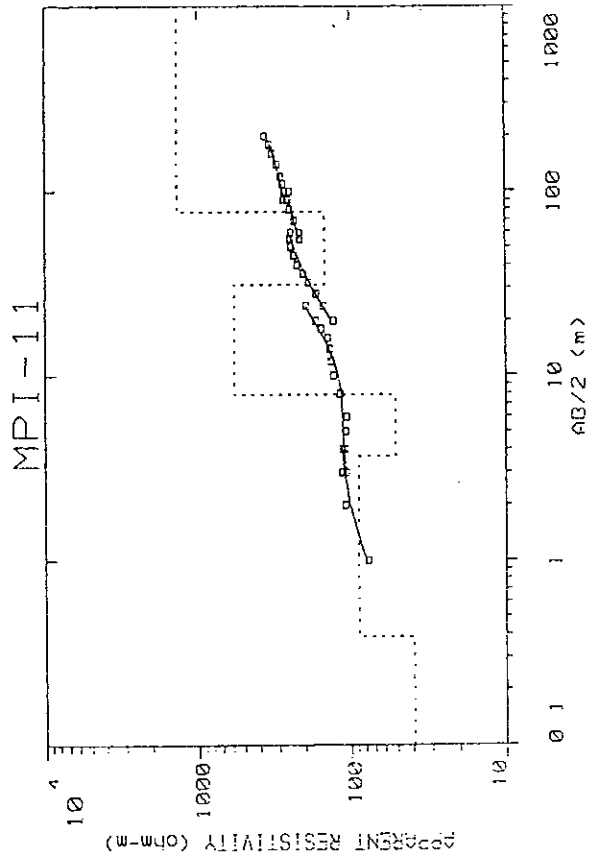
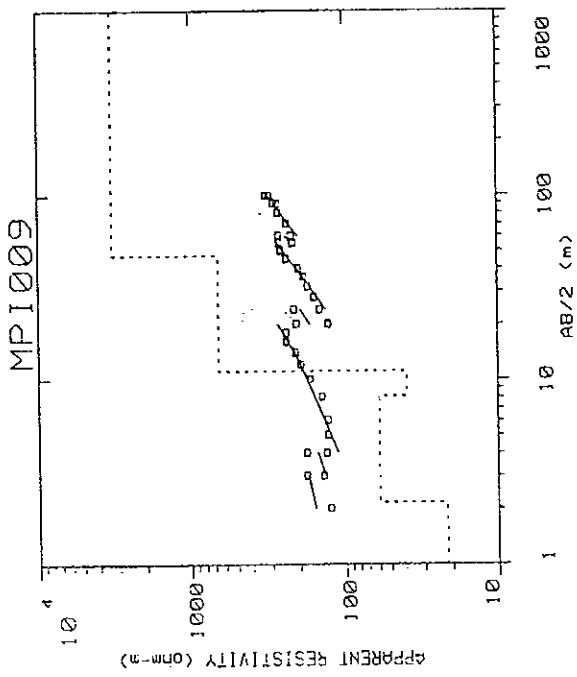


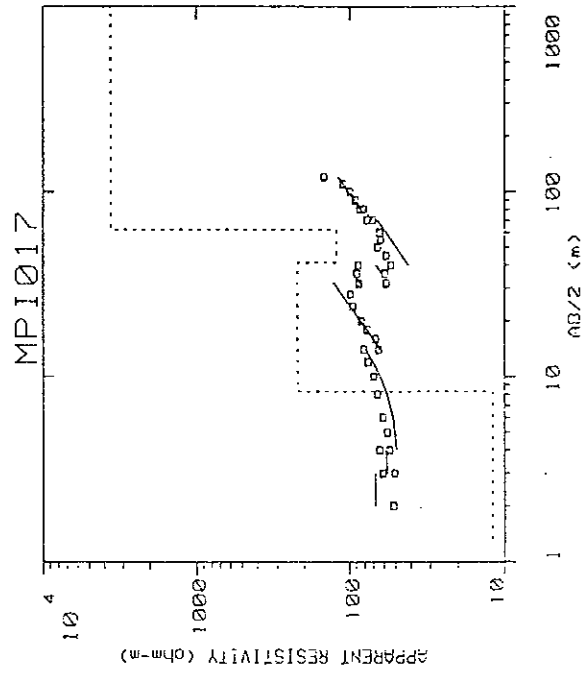
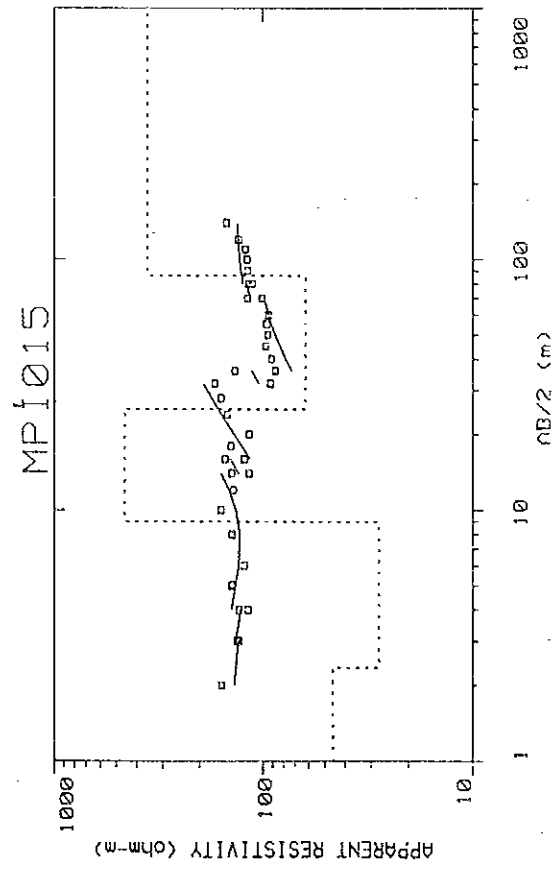
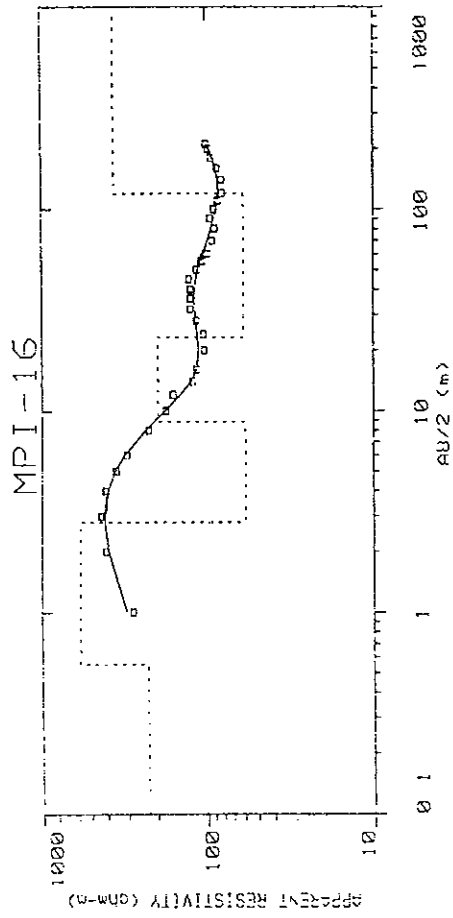
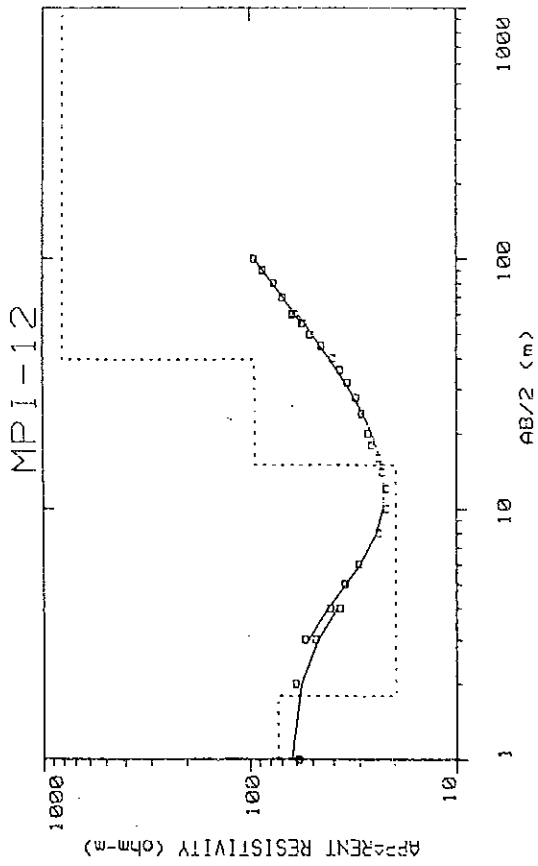
図-4 電気探査解析結果図 (ムピギ)

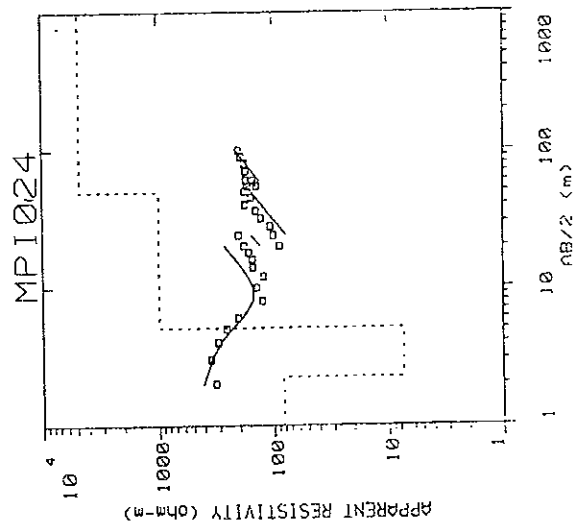
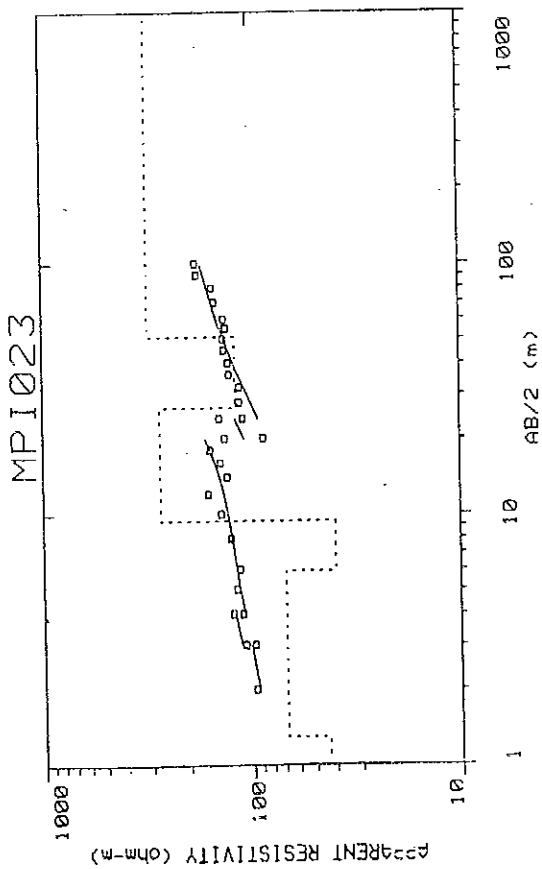
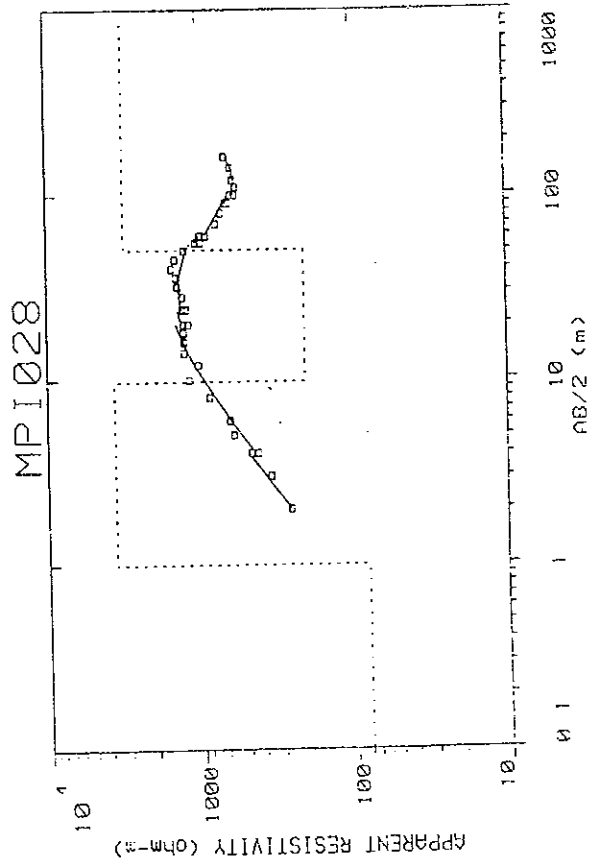
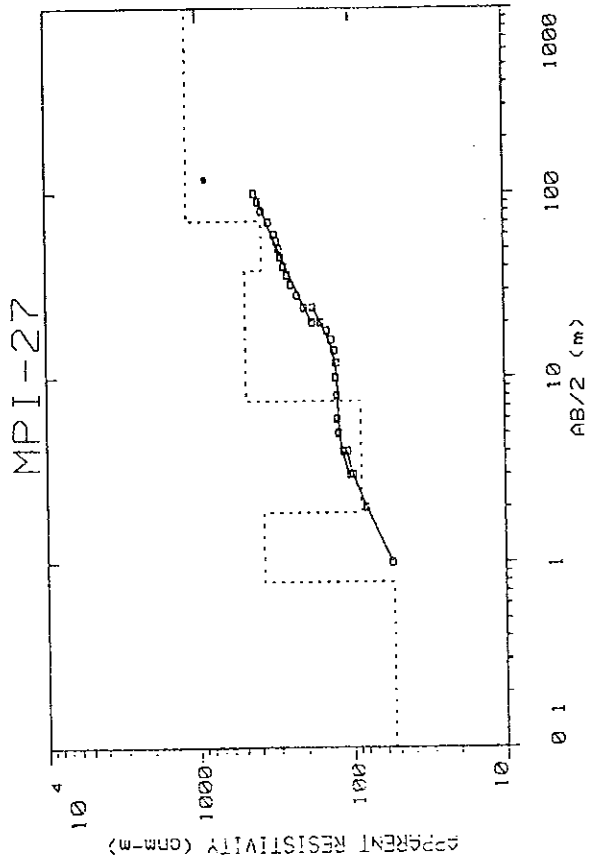
電気探査解析結果図
(MPIGI DISTRICT)

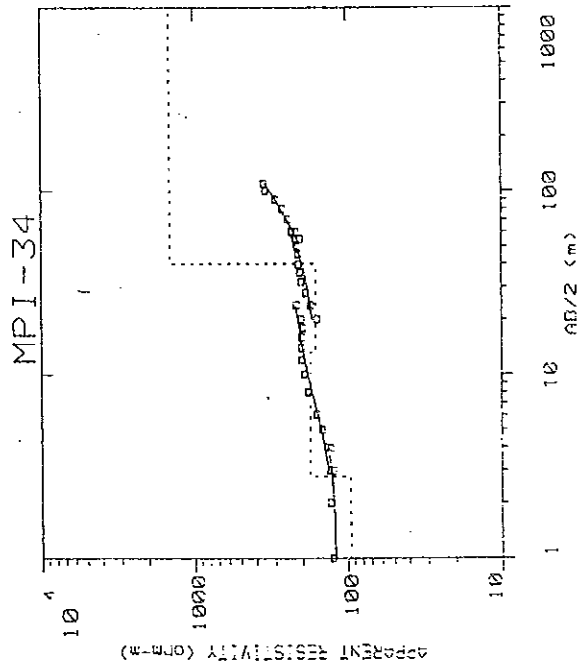
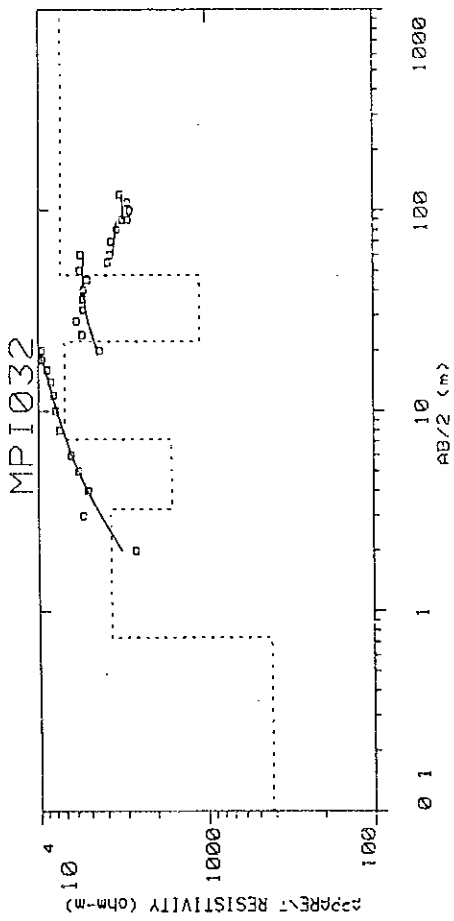
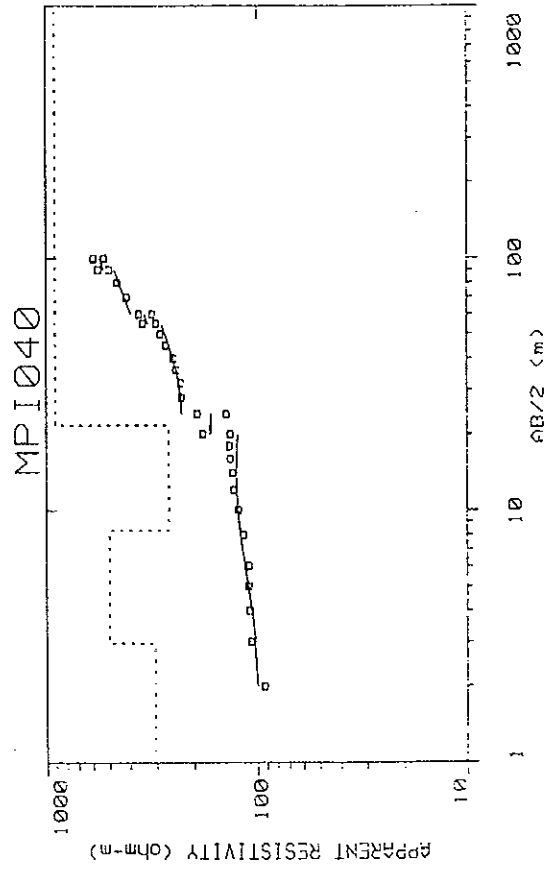
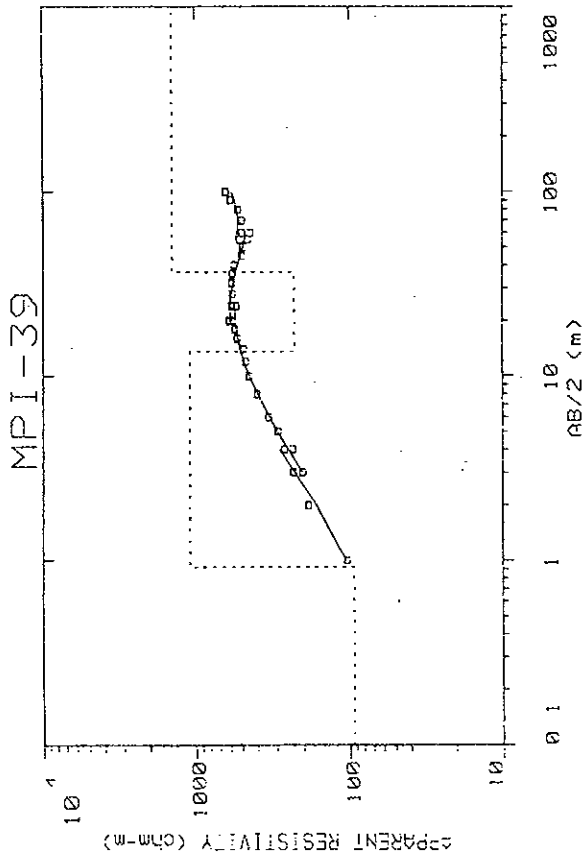
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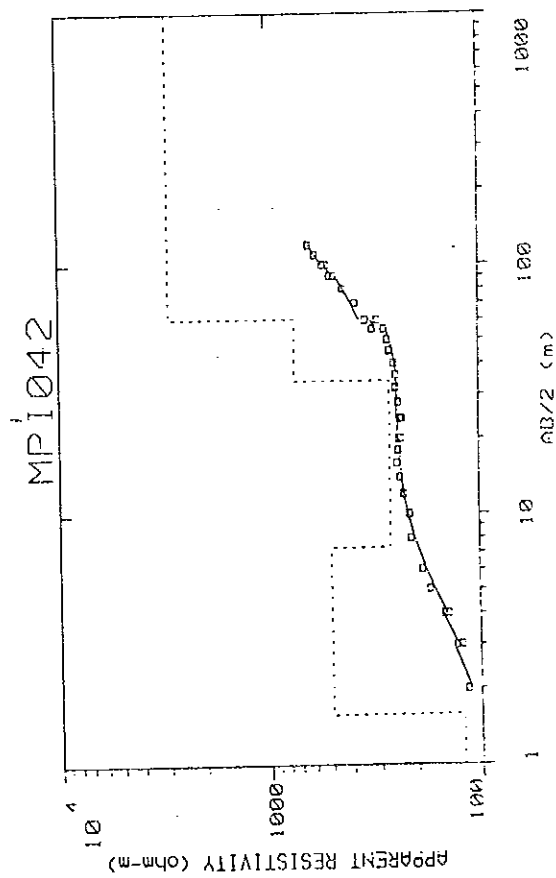
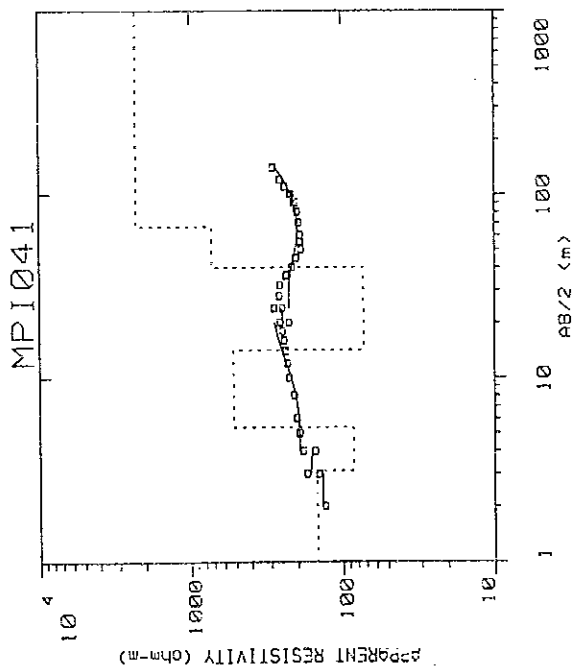
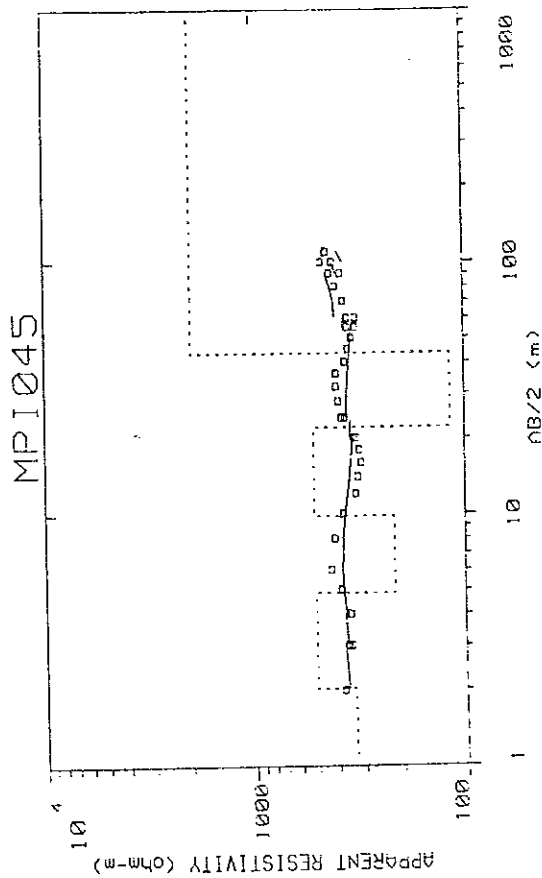
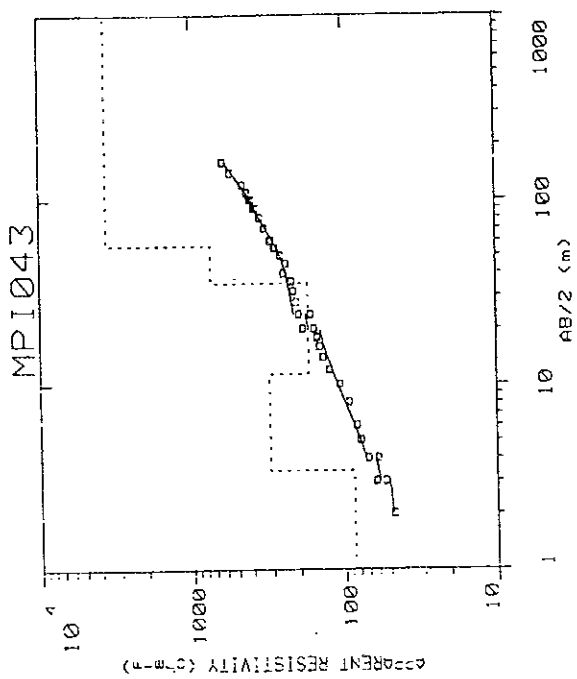


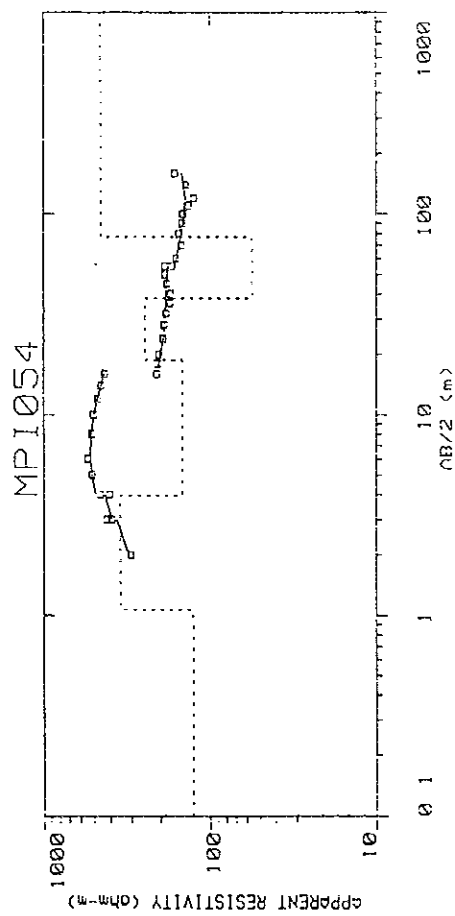
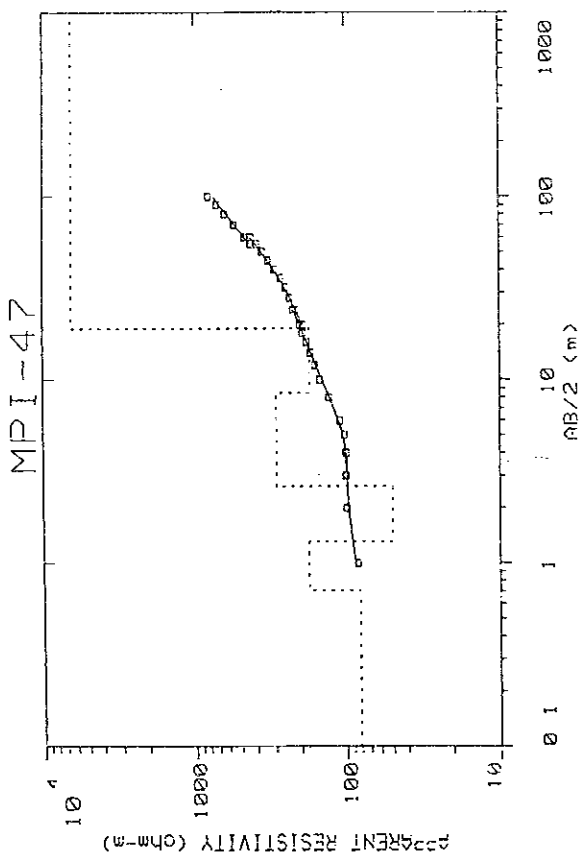
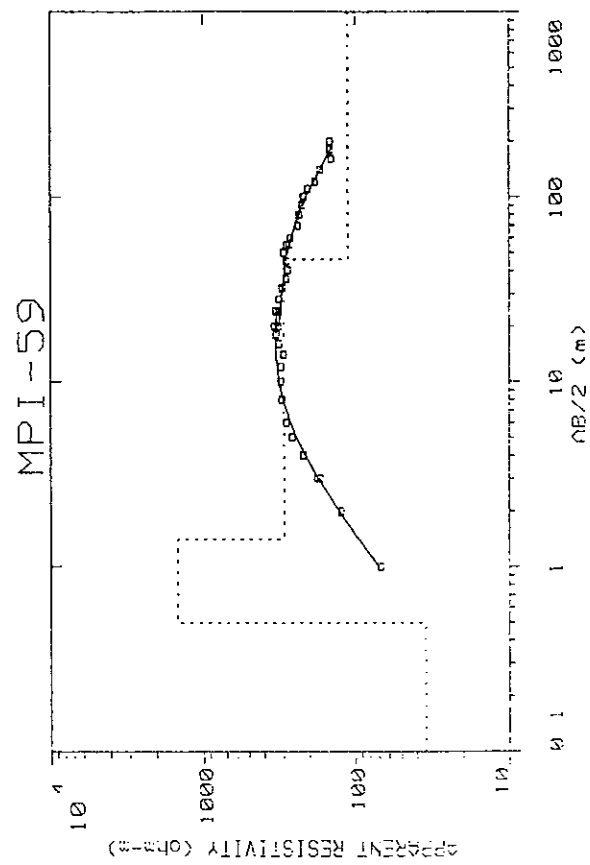
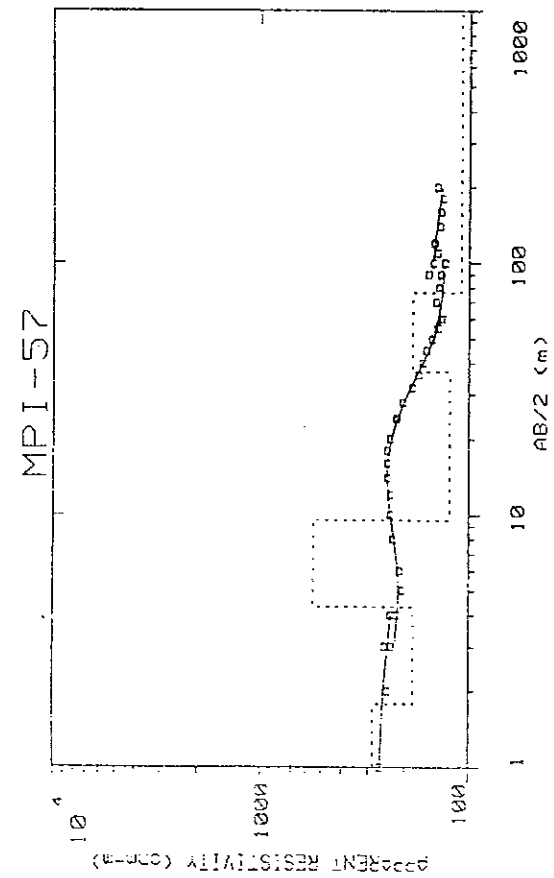


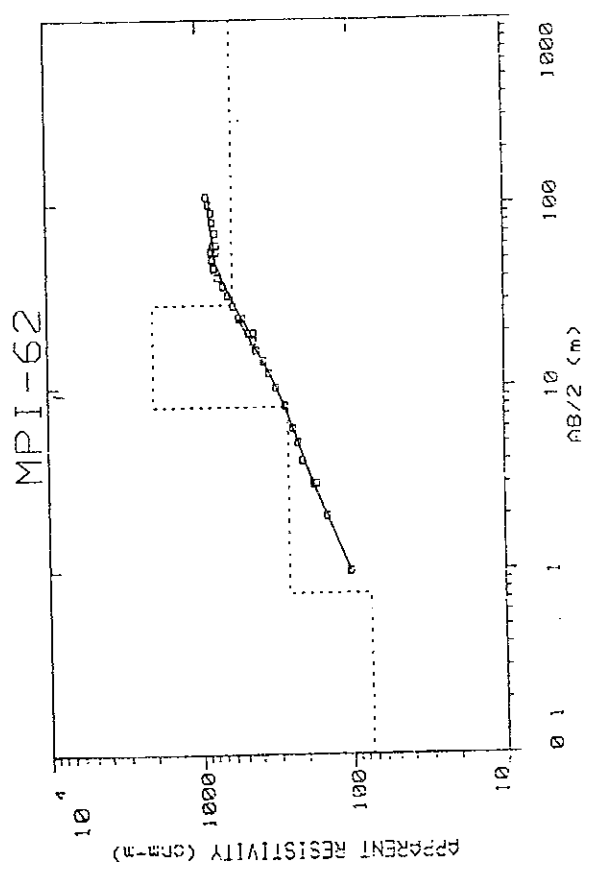
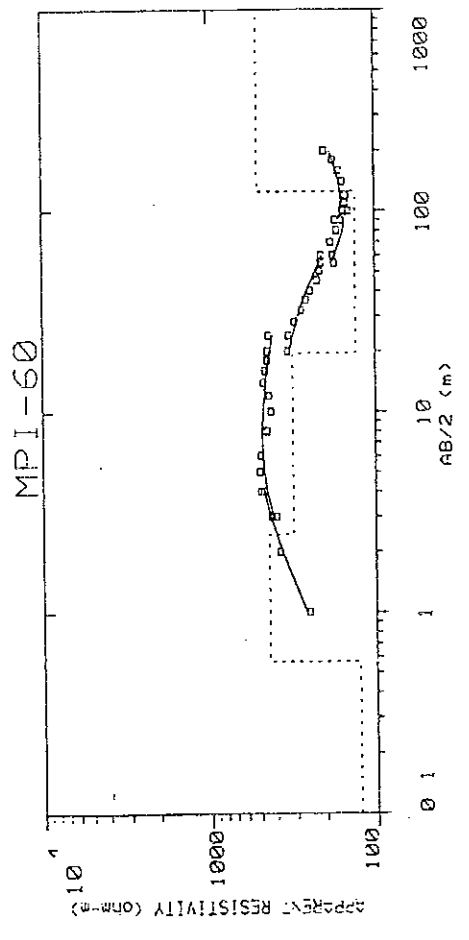
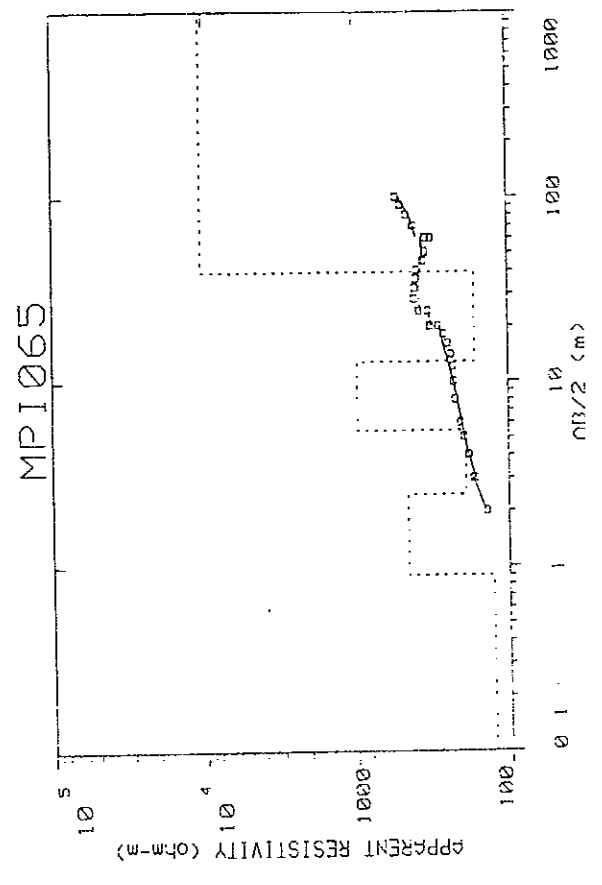
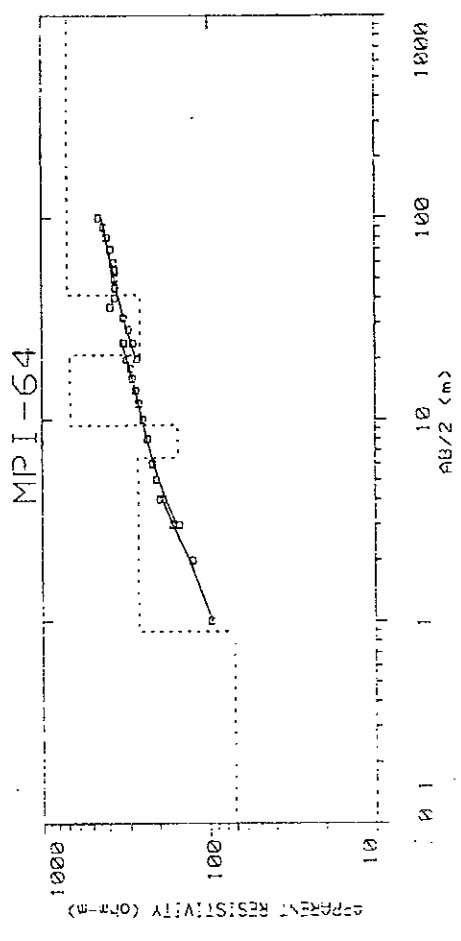


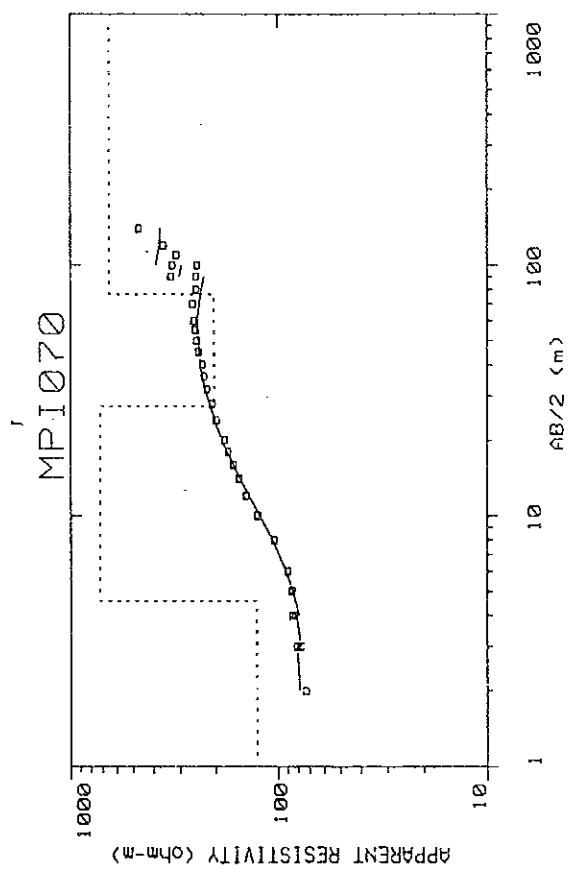
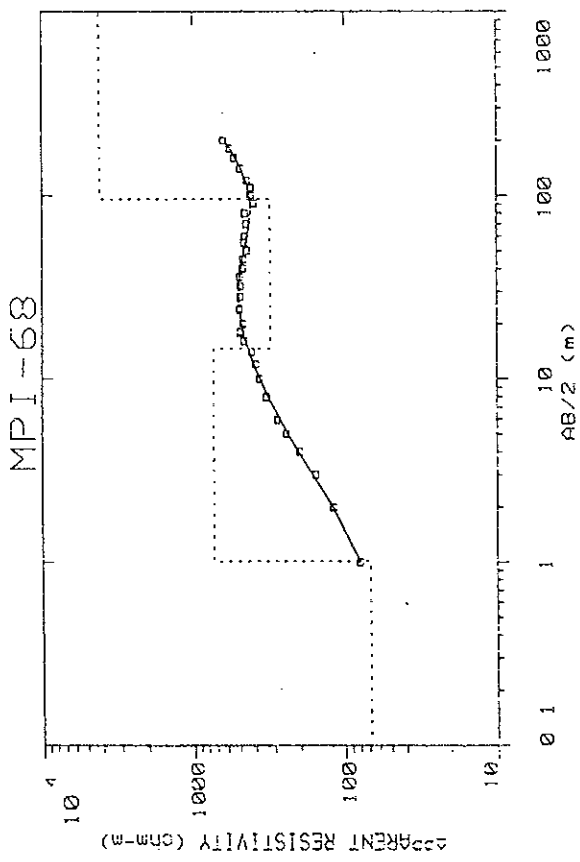
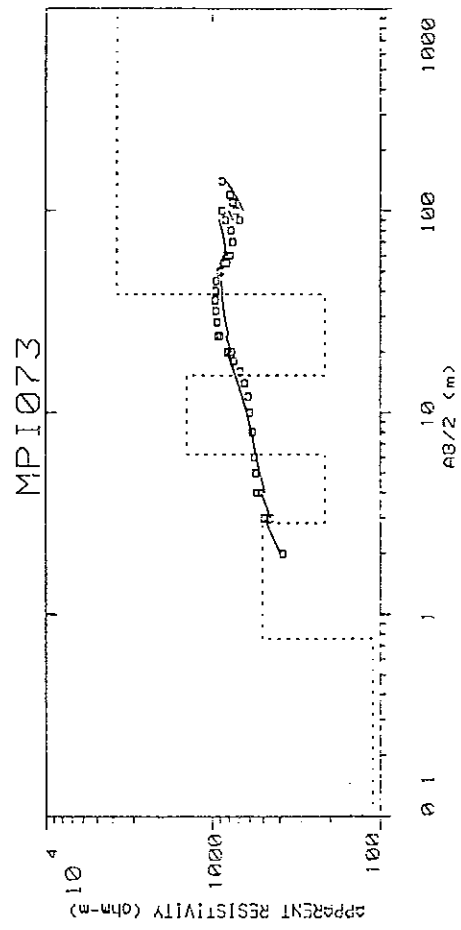
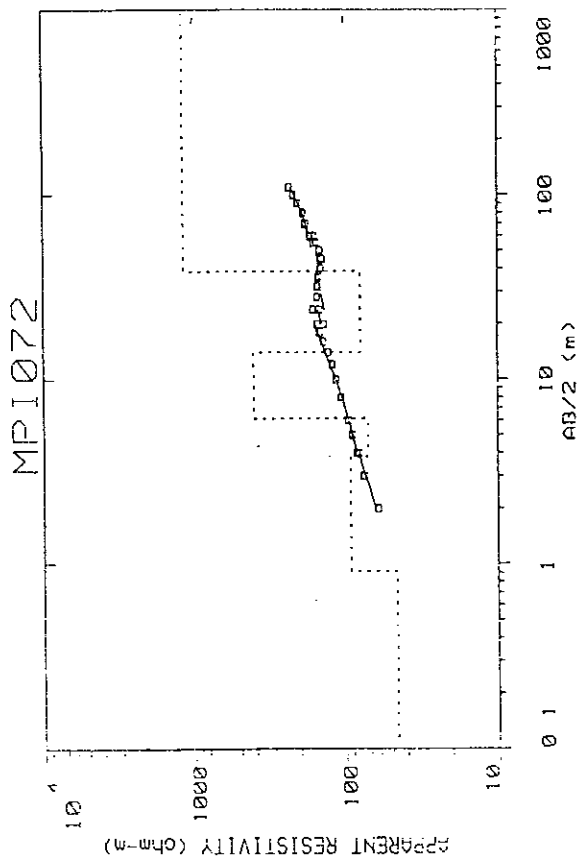


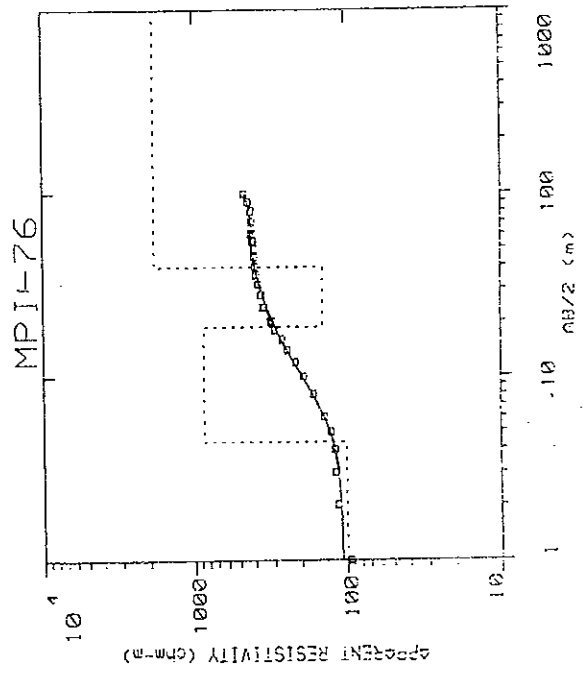
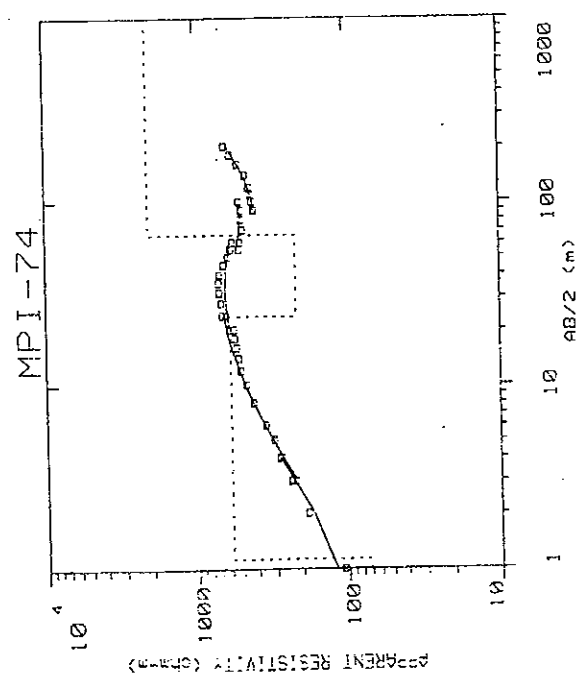
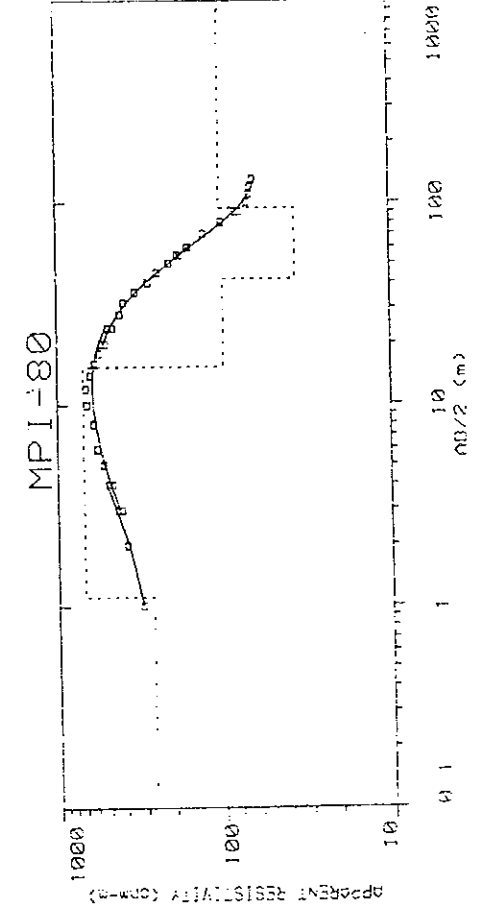
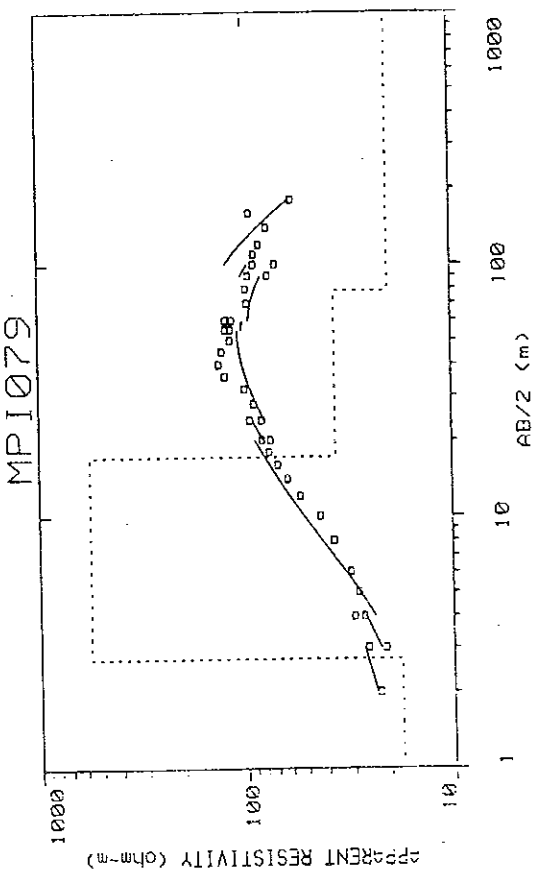












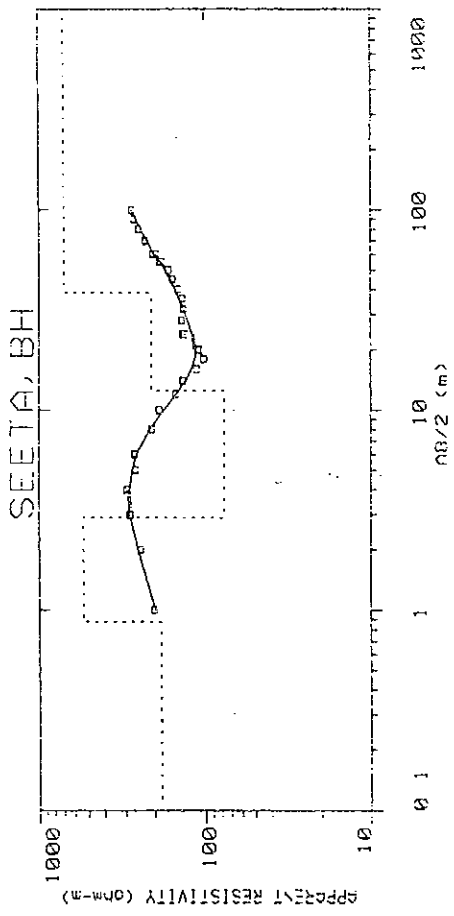
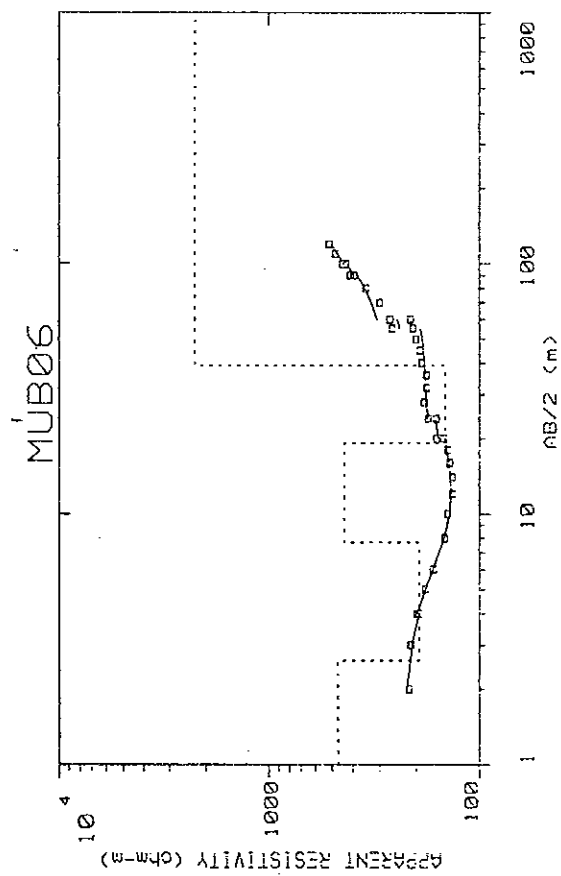
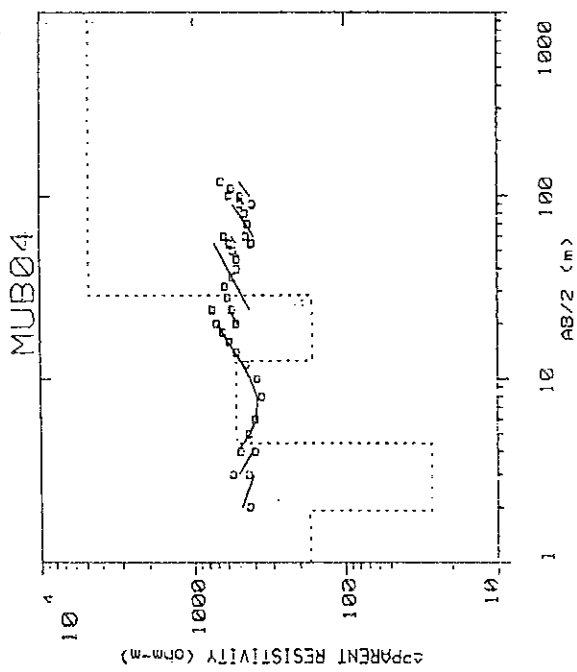
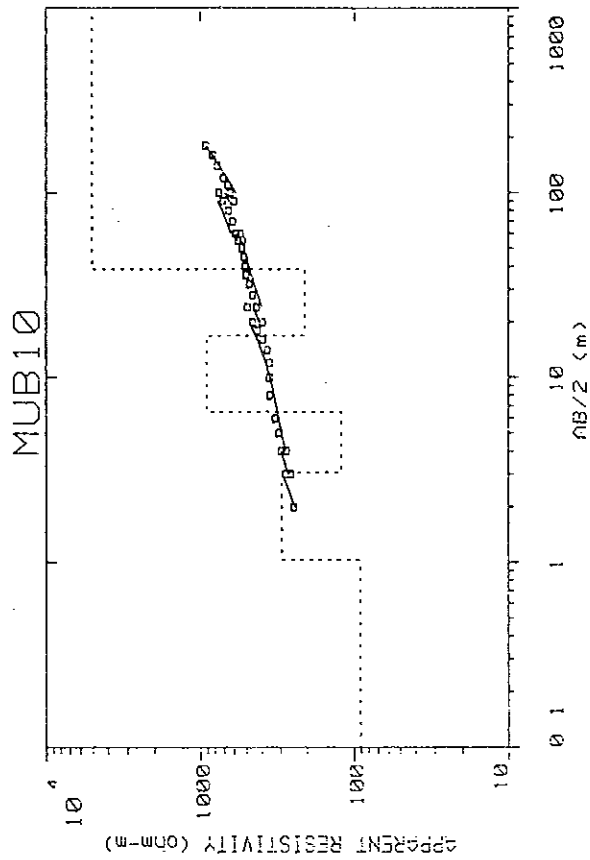
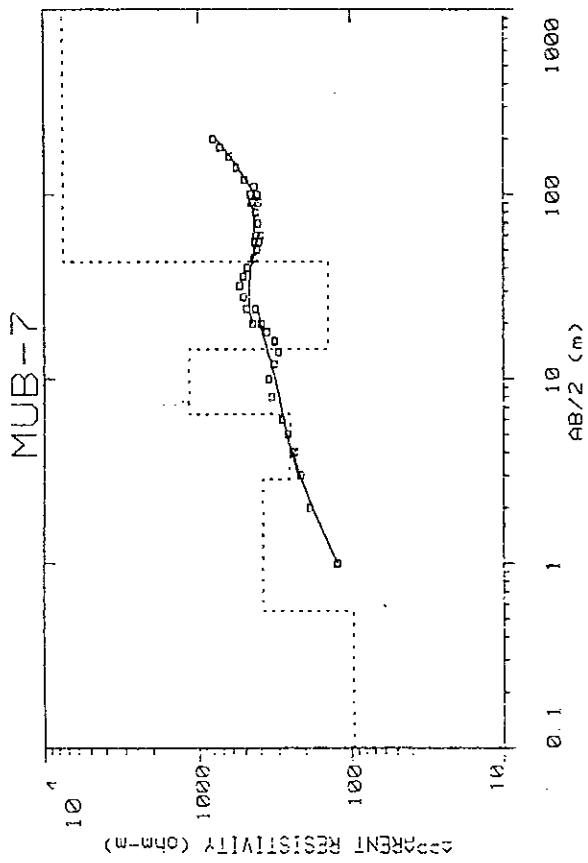
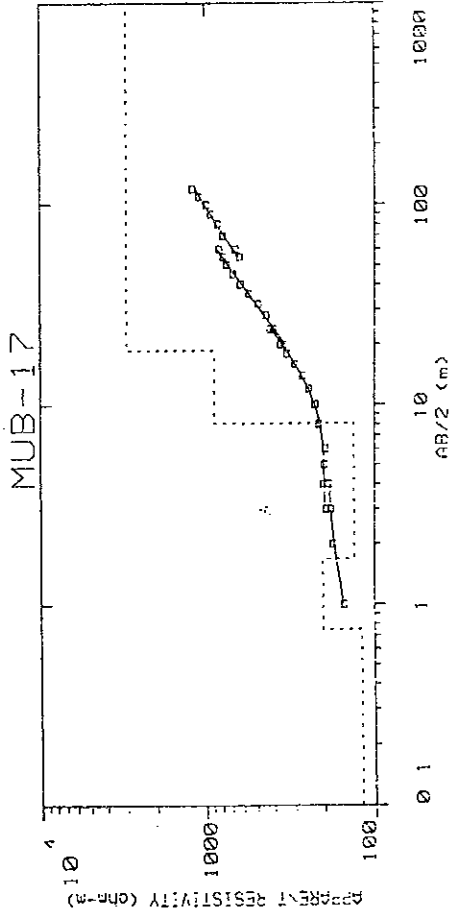
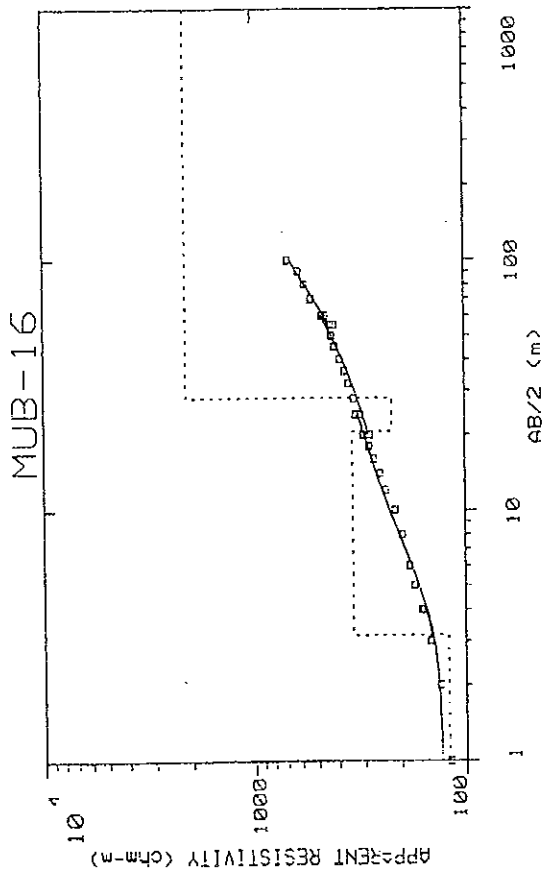
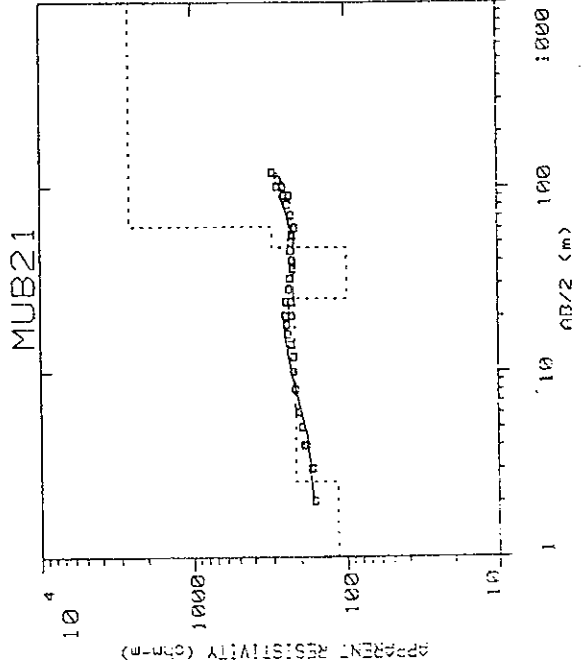
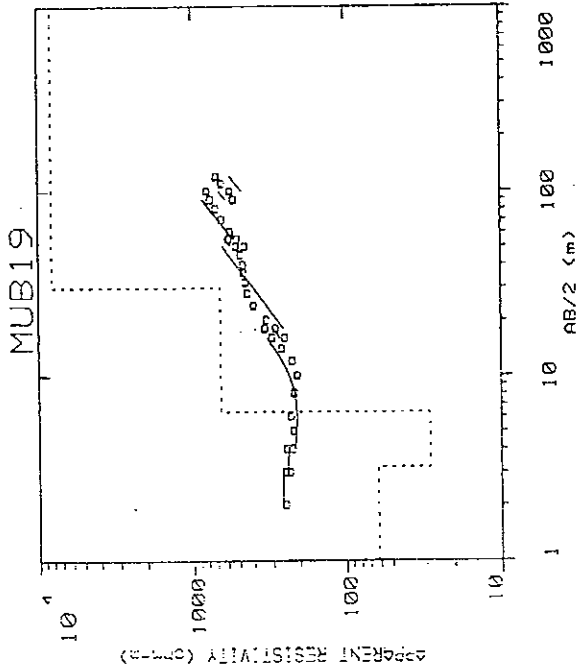
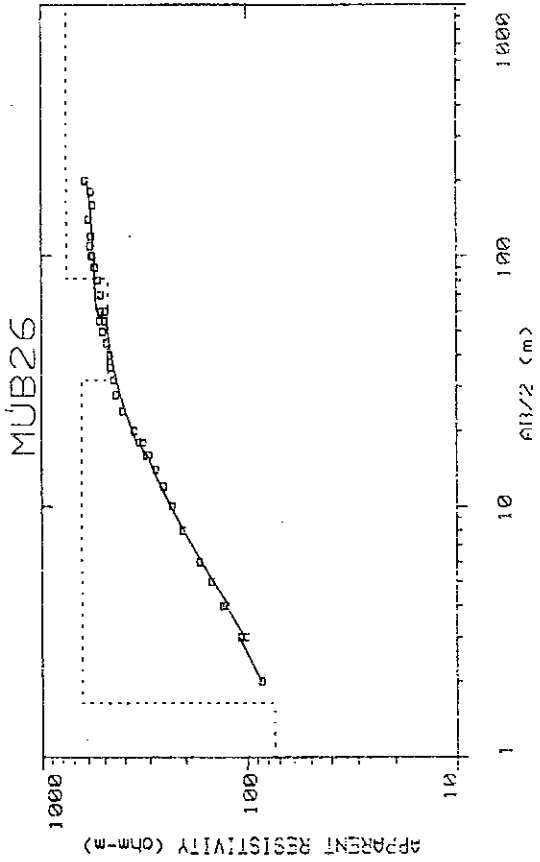
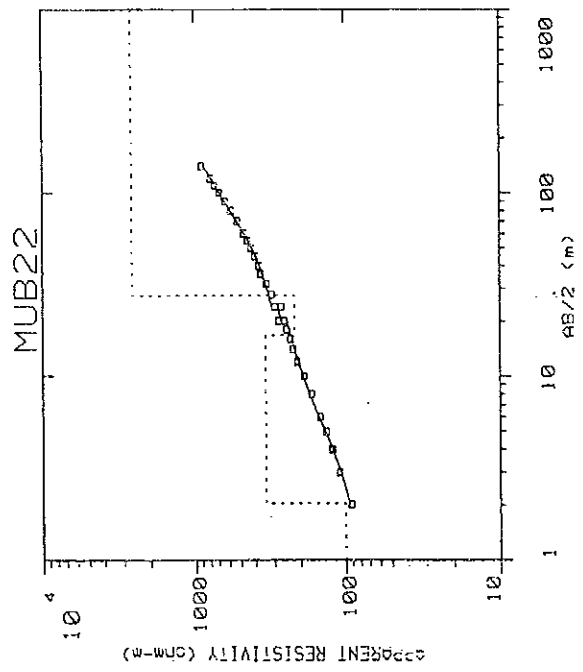
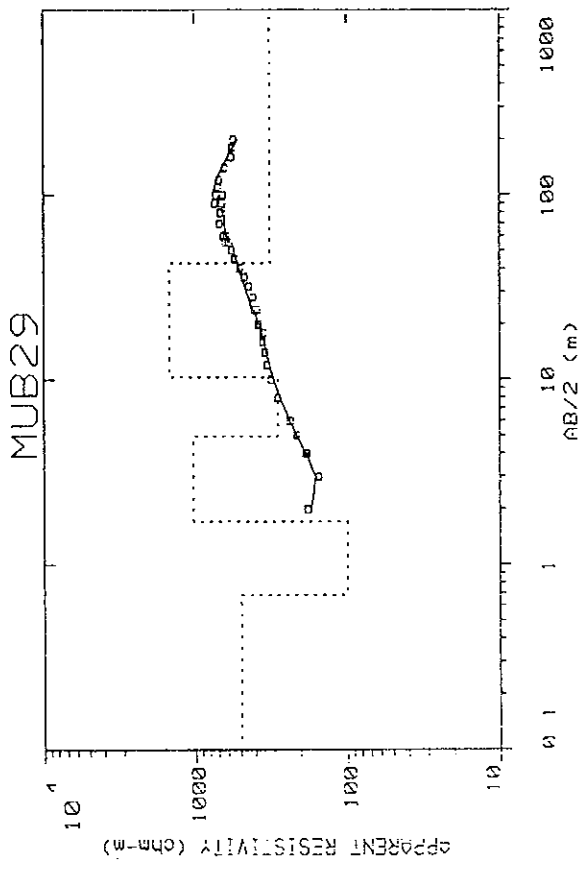
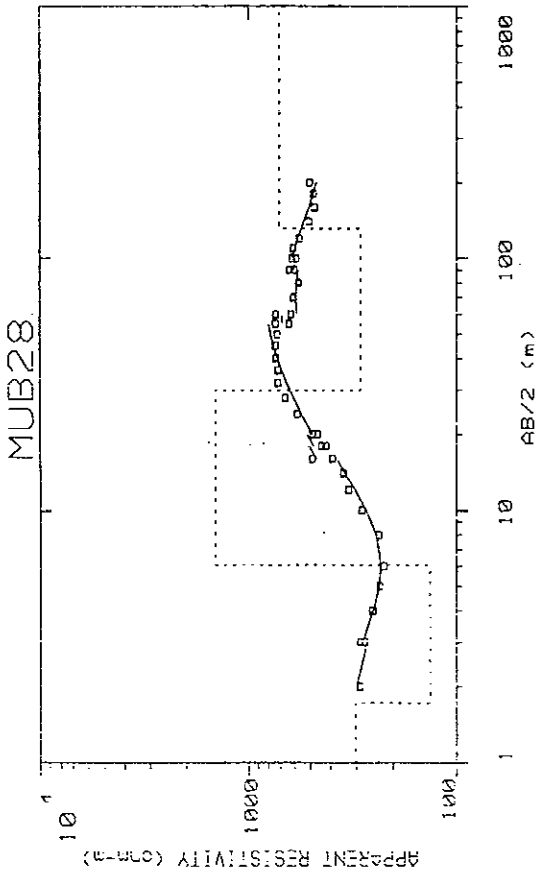


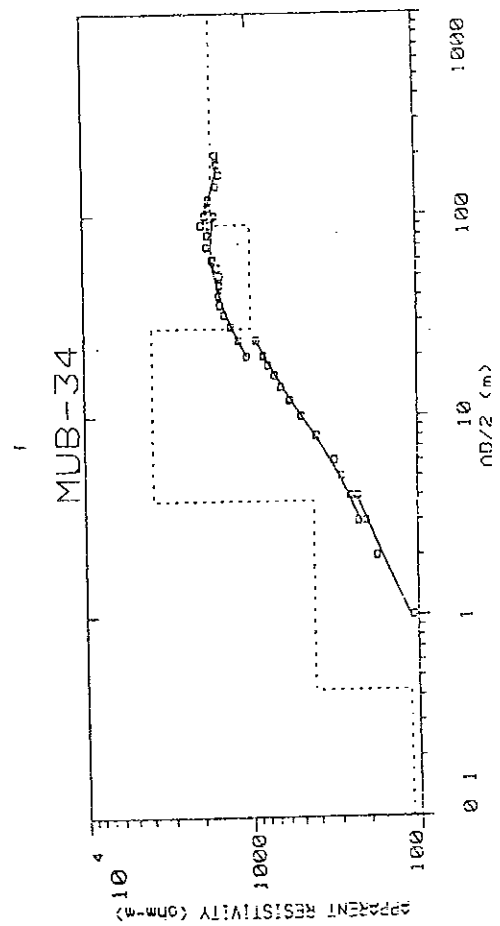
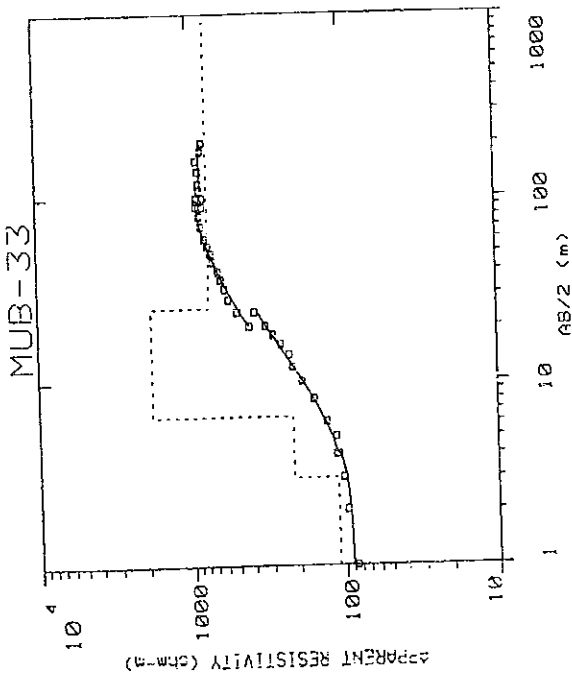
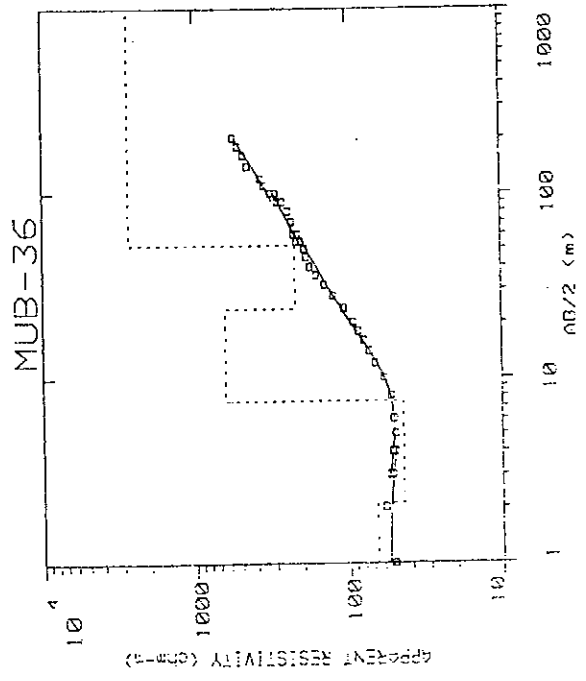
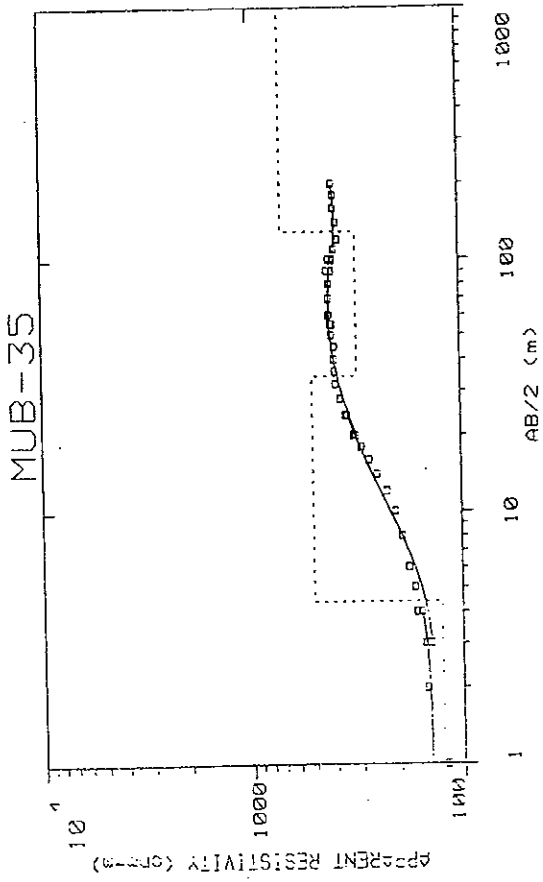
図-5 電気探査解析結果図（ムベンデ）

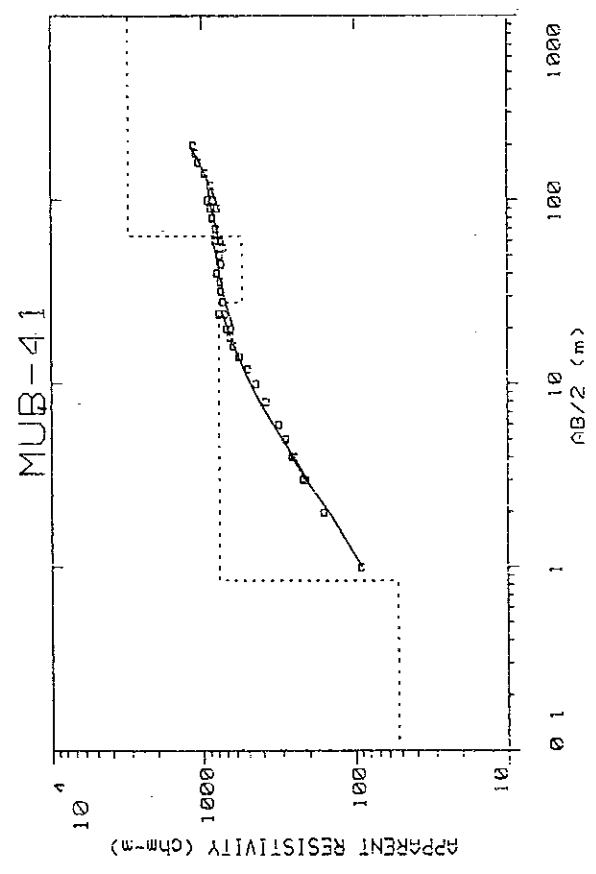
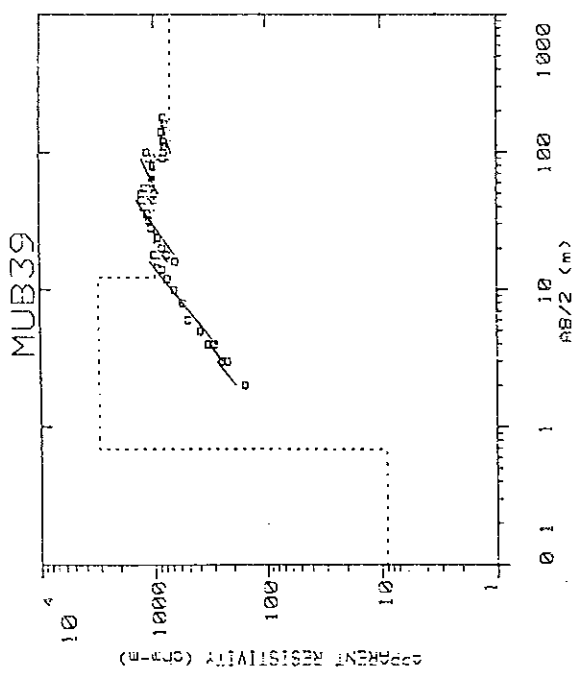
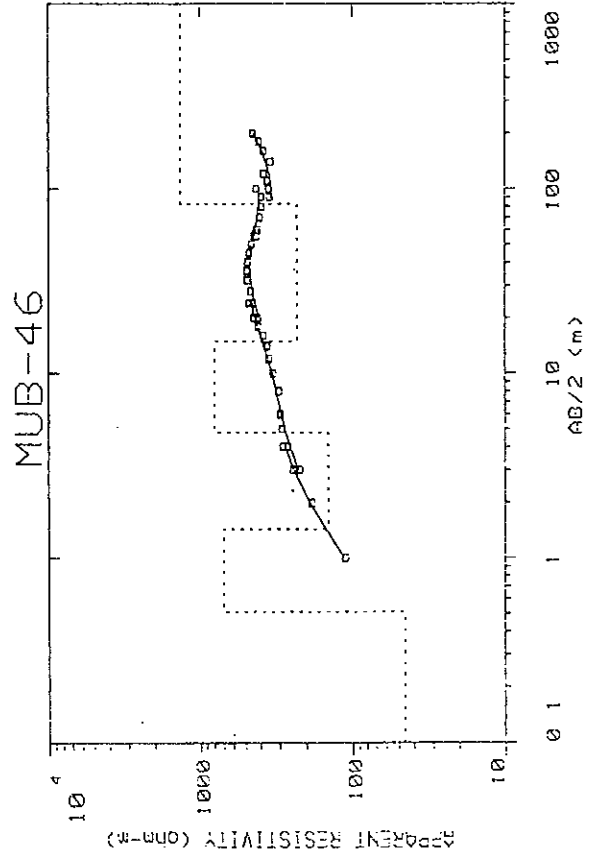
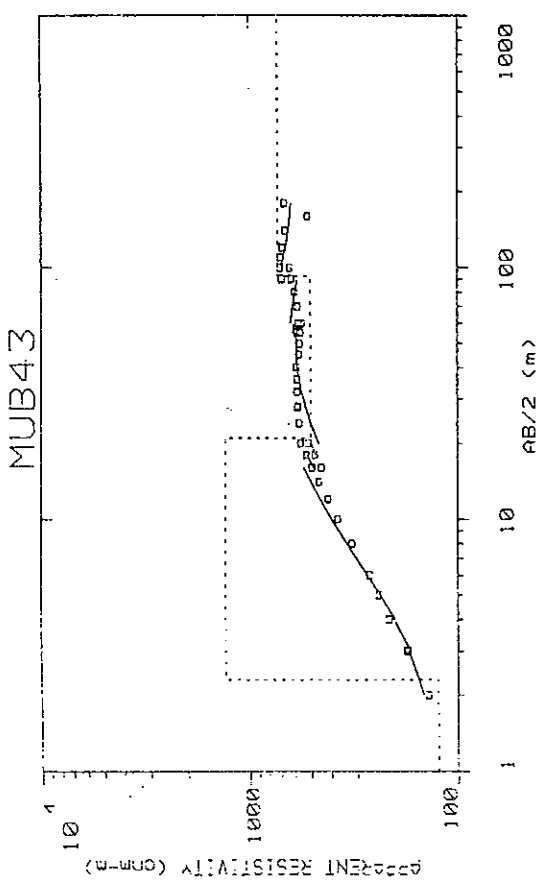
電気探査解析結果図
(MUBENDE DISTRICT)

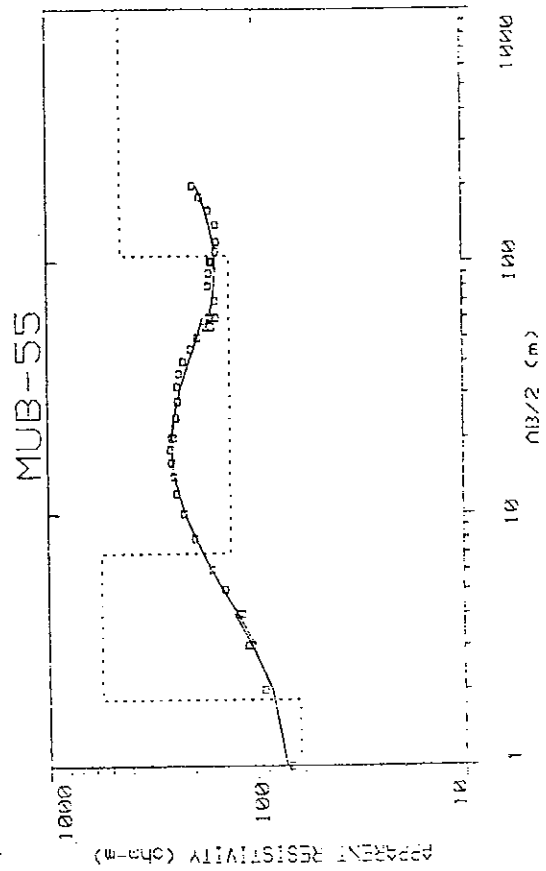
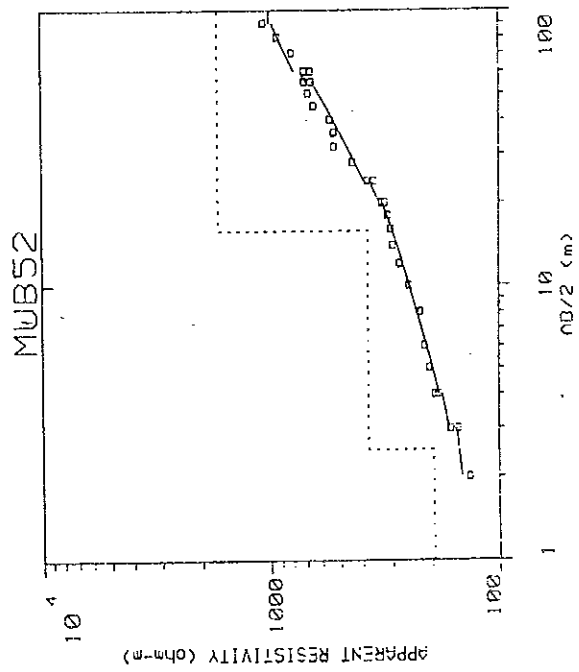
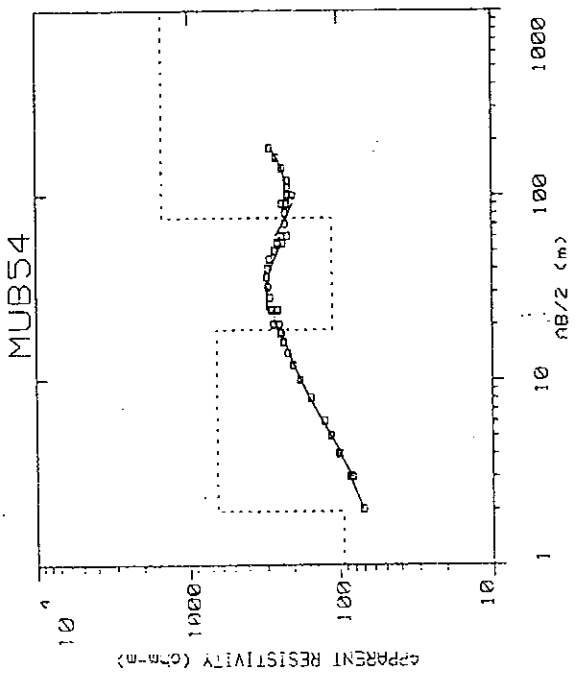
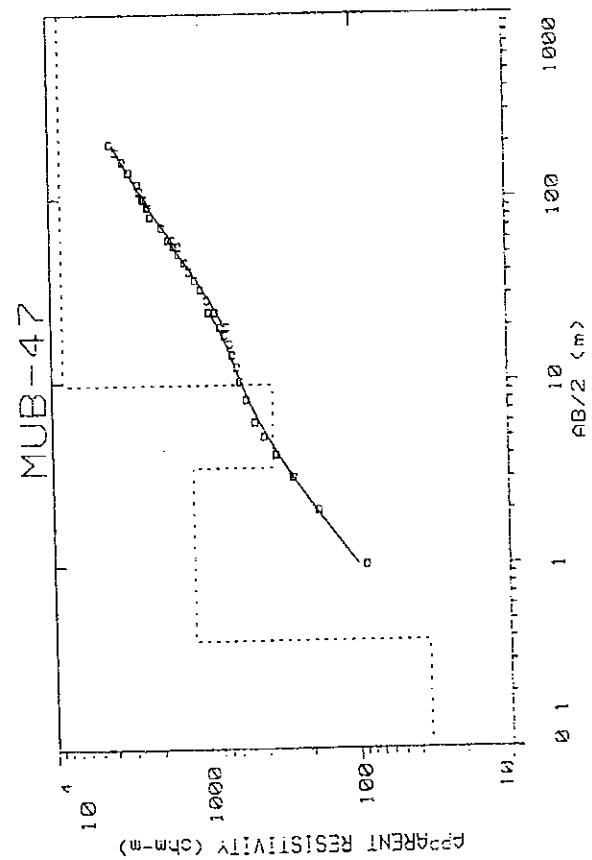


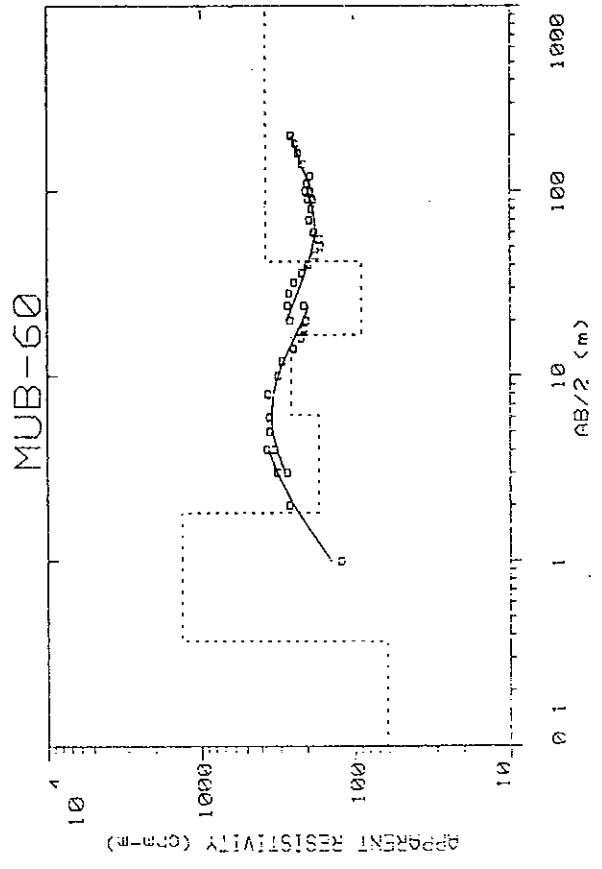
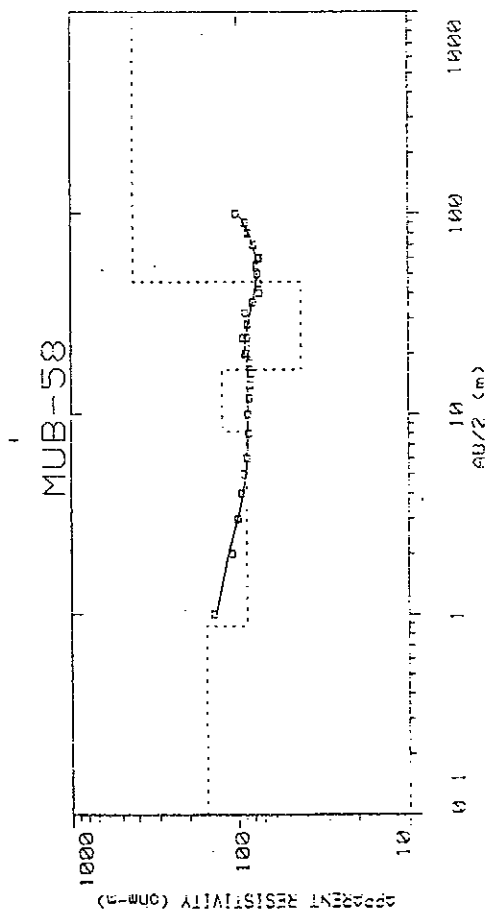
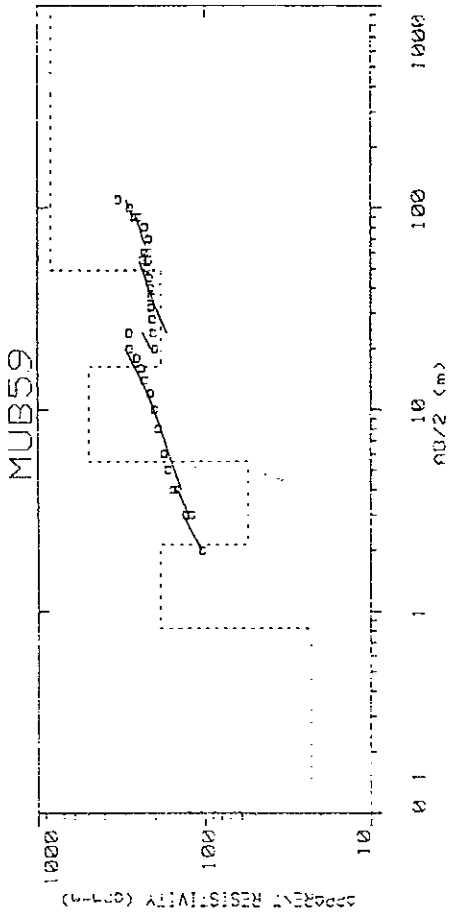
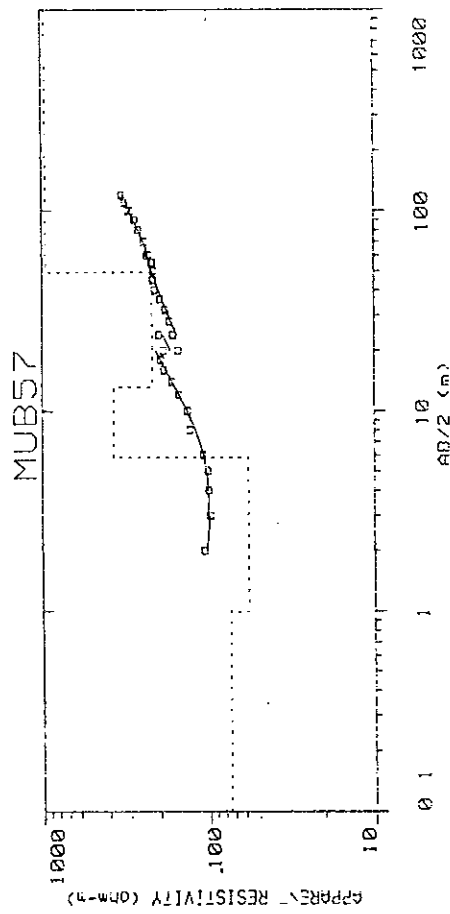


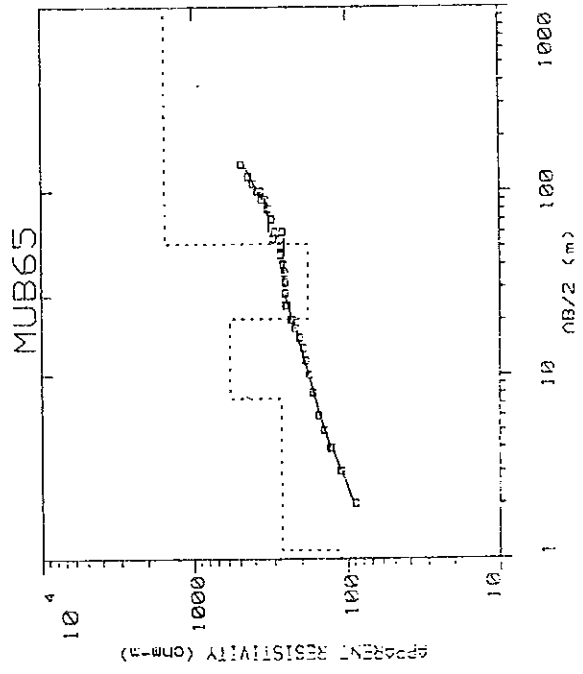
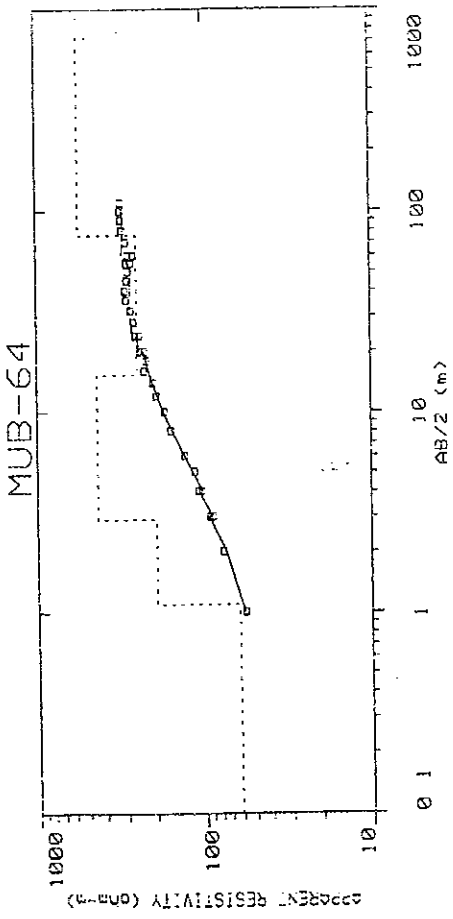
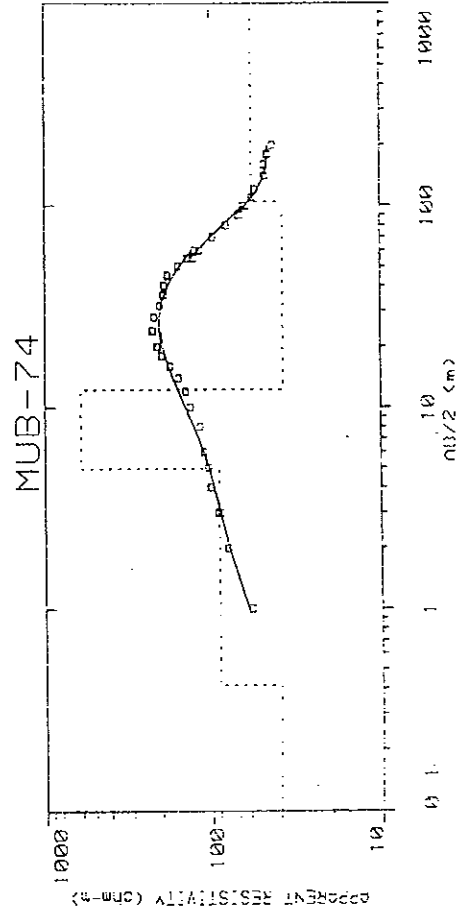
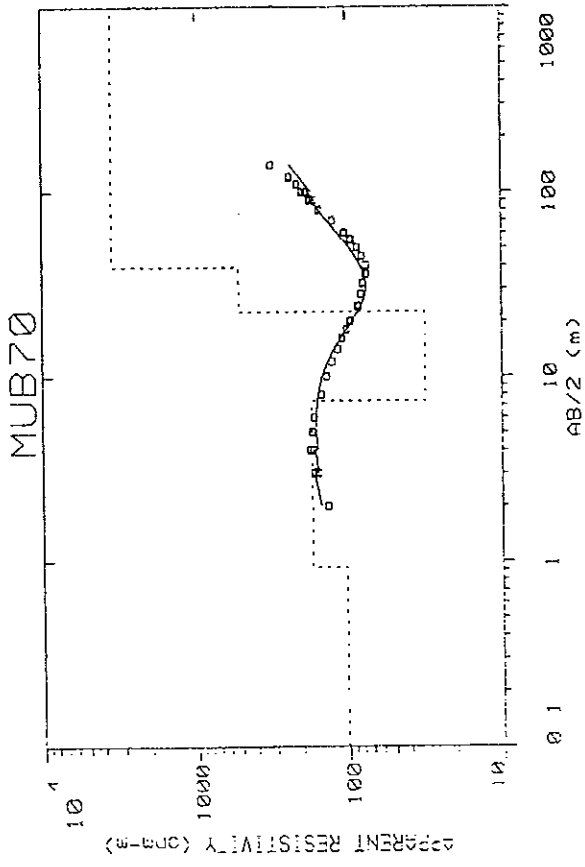












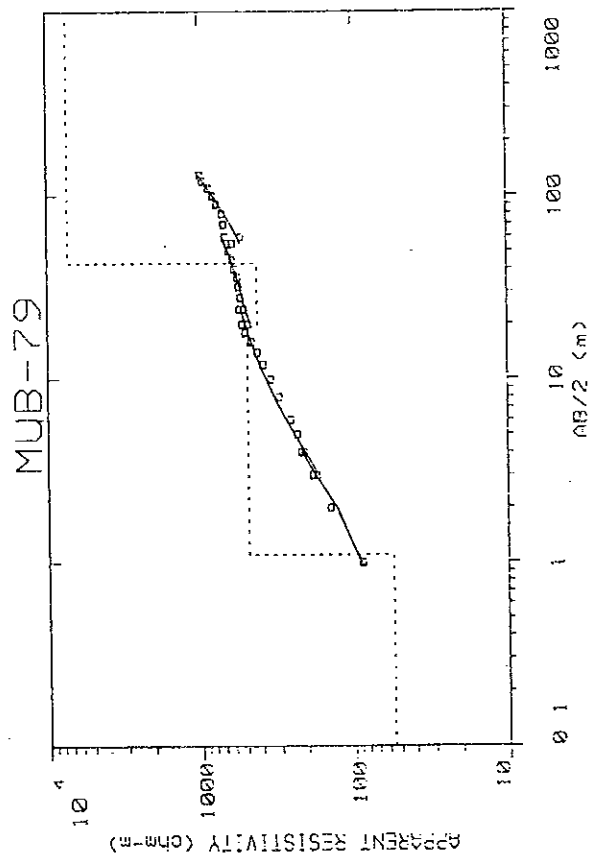
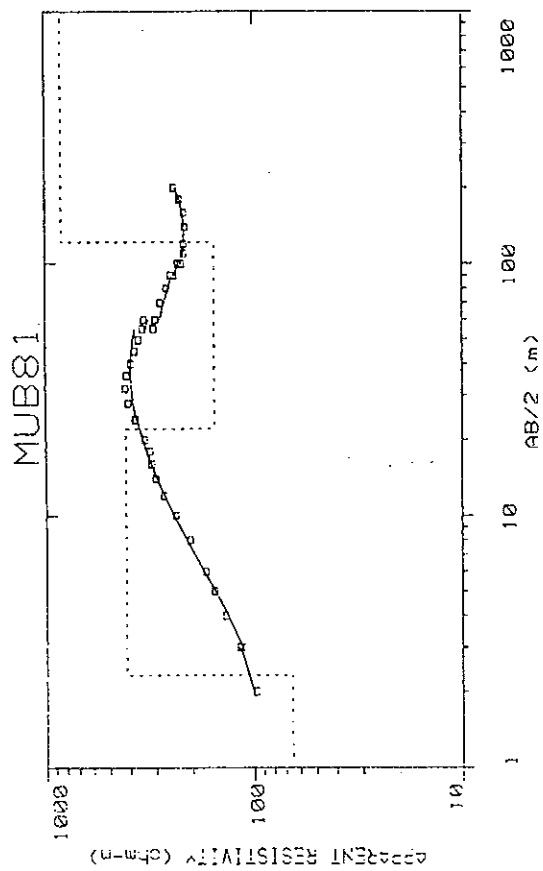
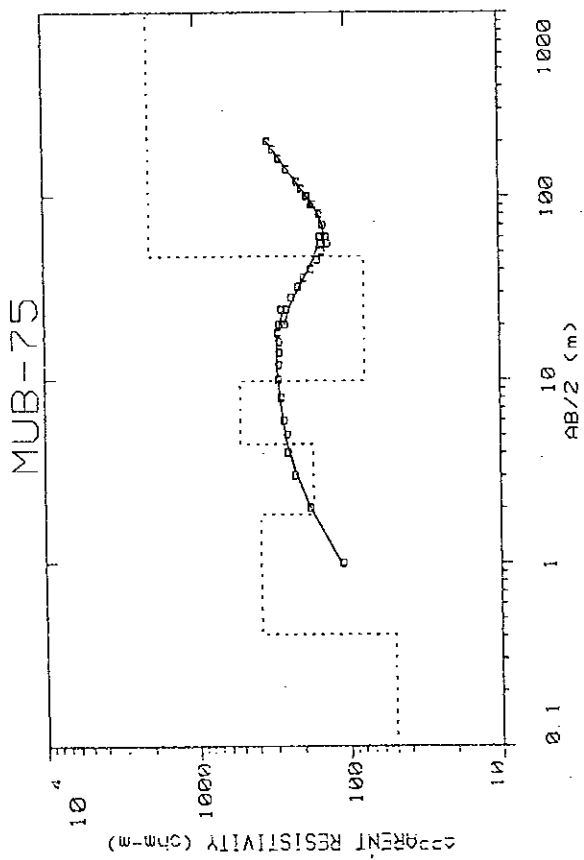
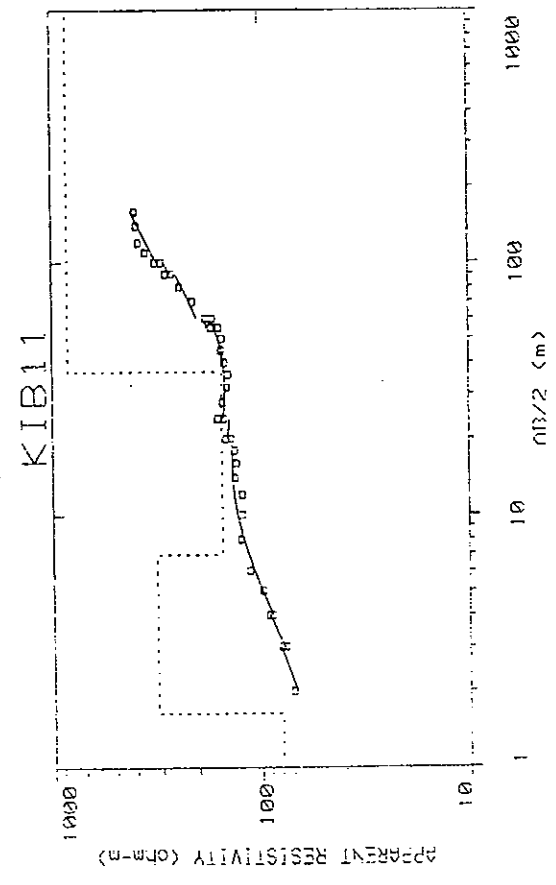
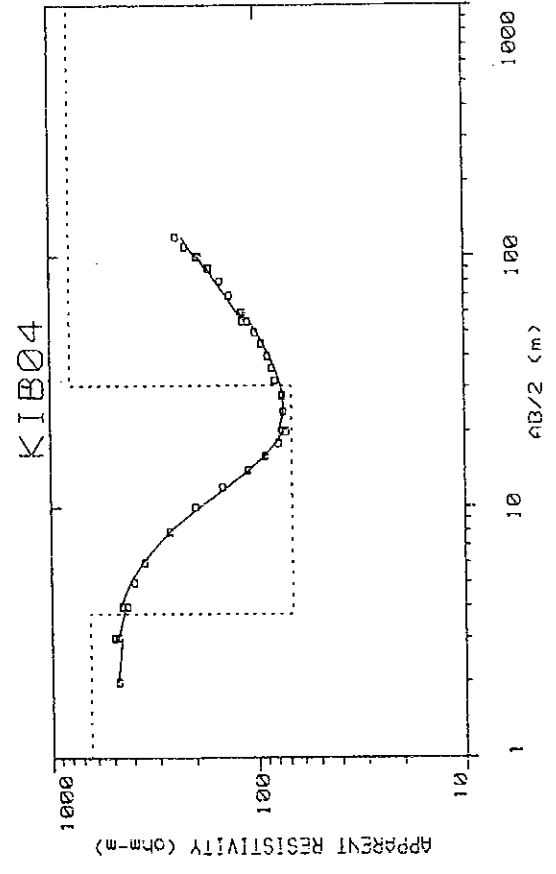
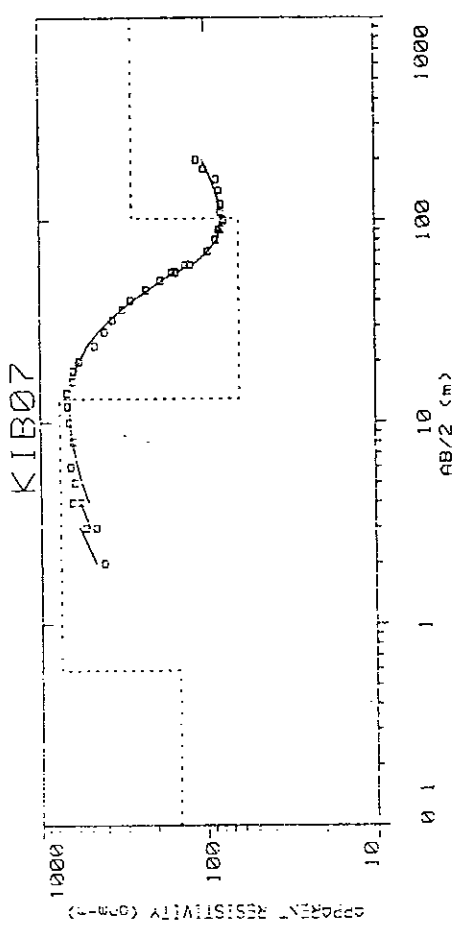
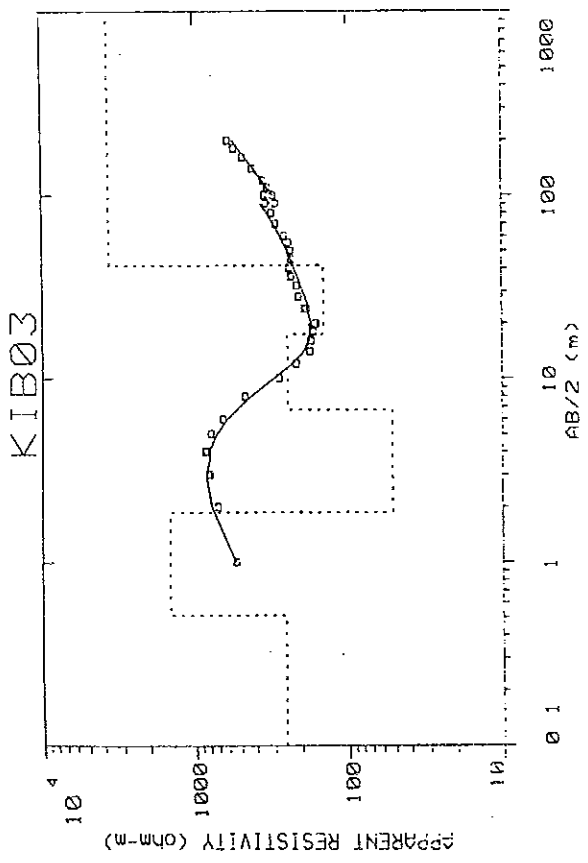
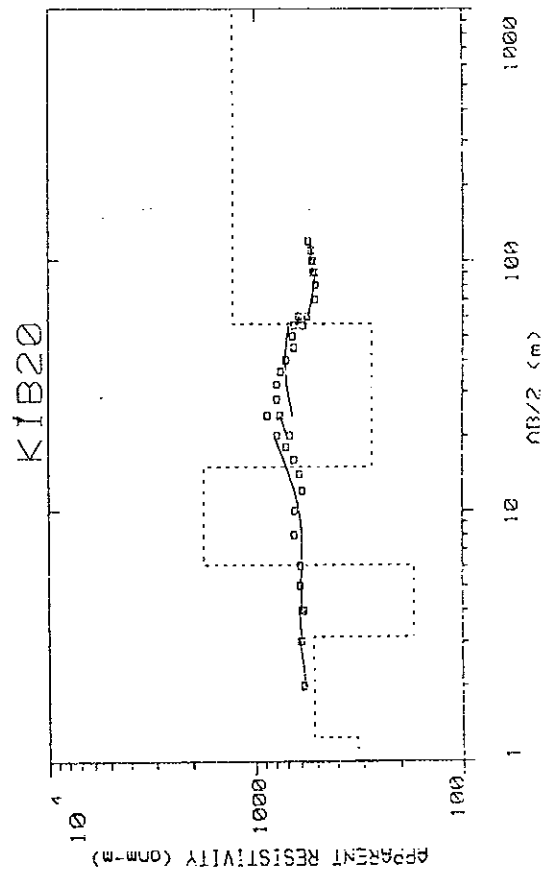
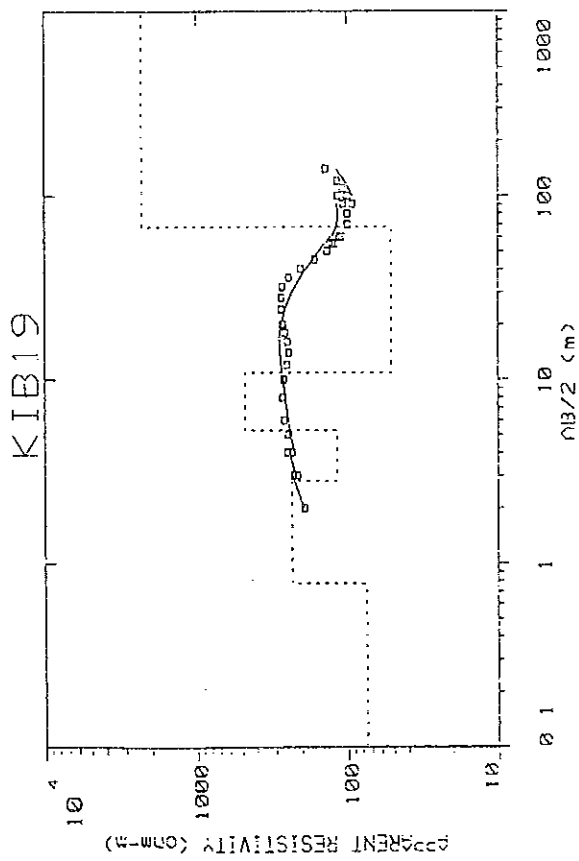
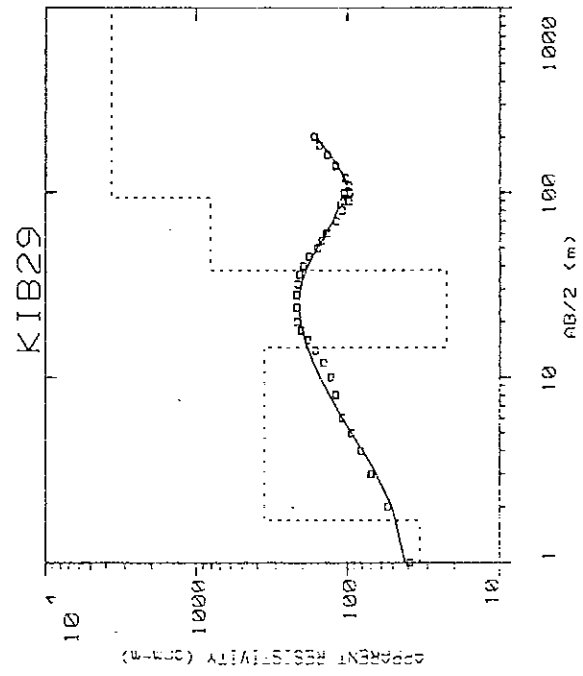
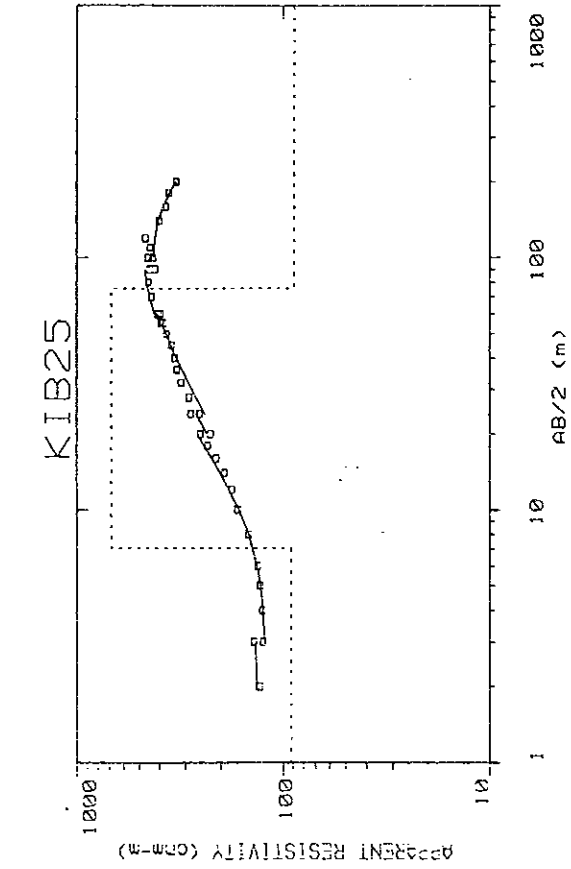
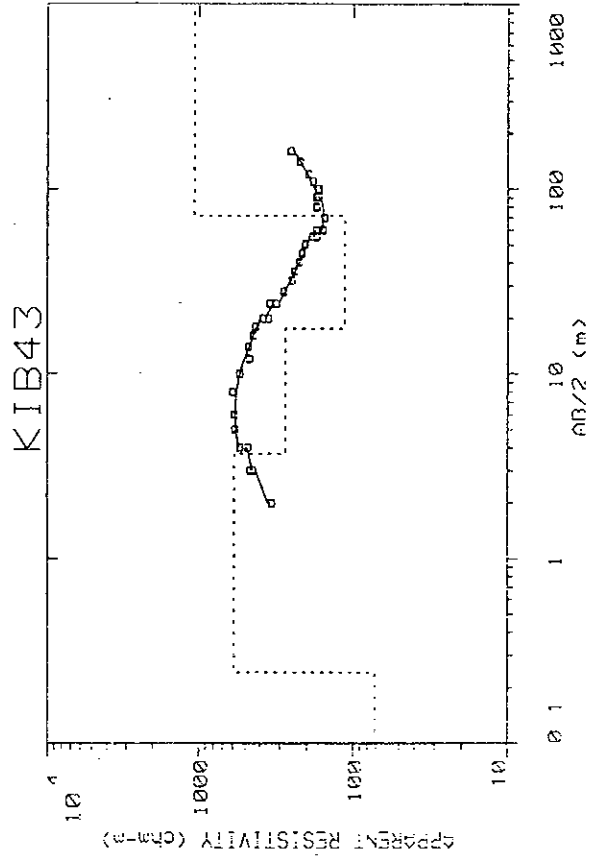
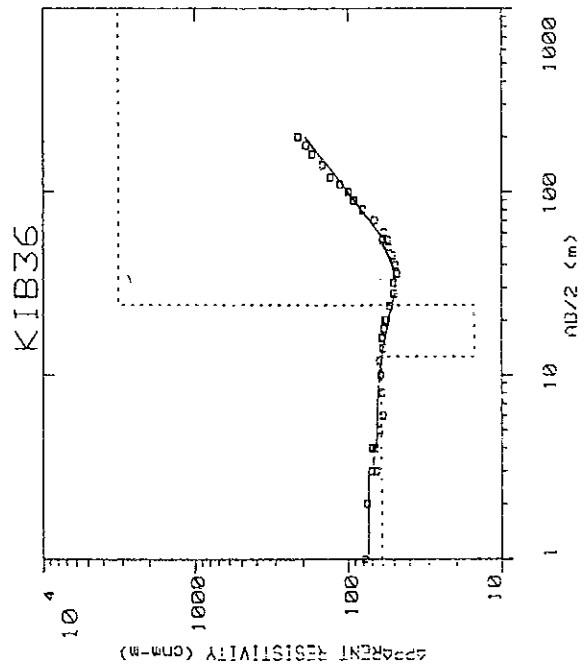
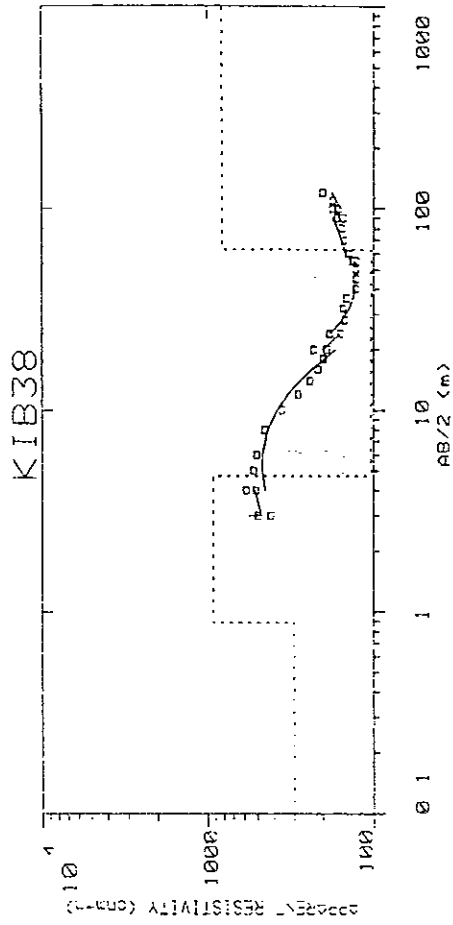
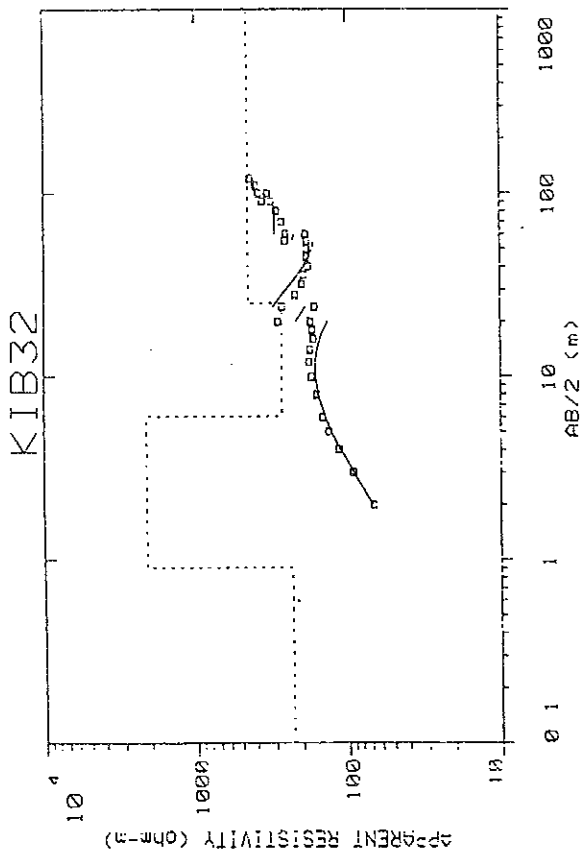


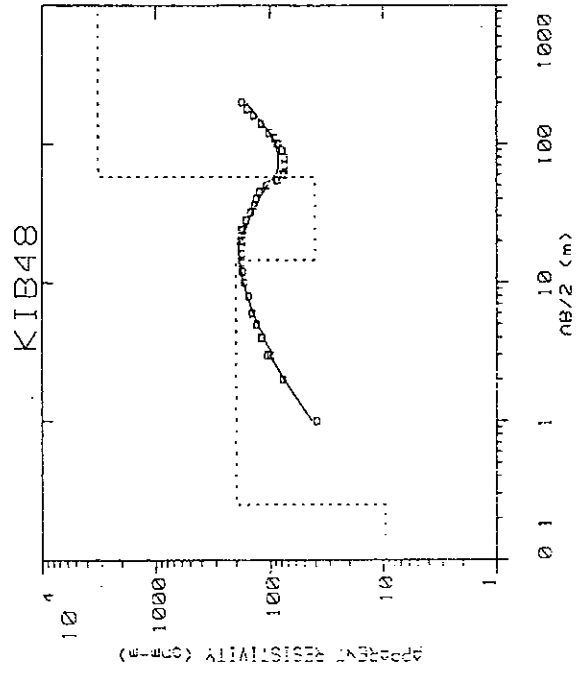
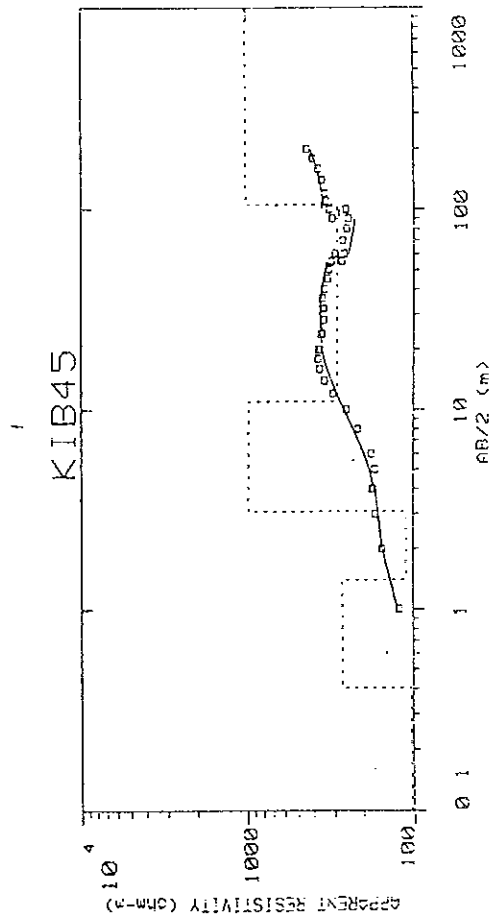
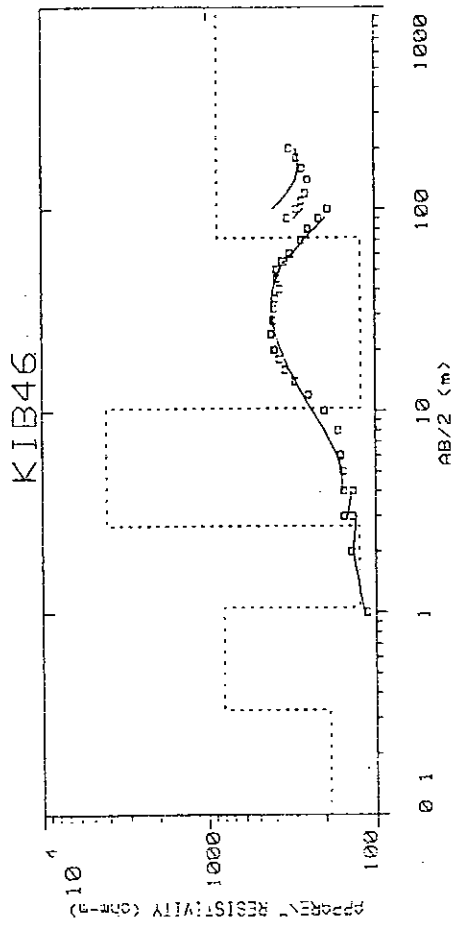
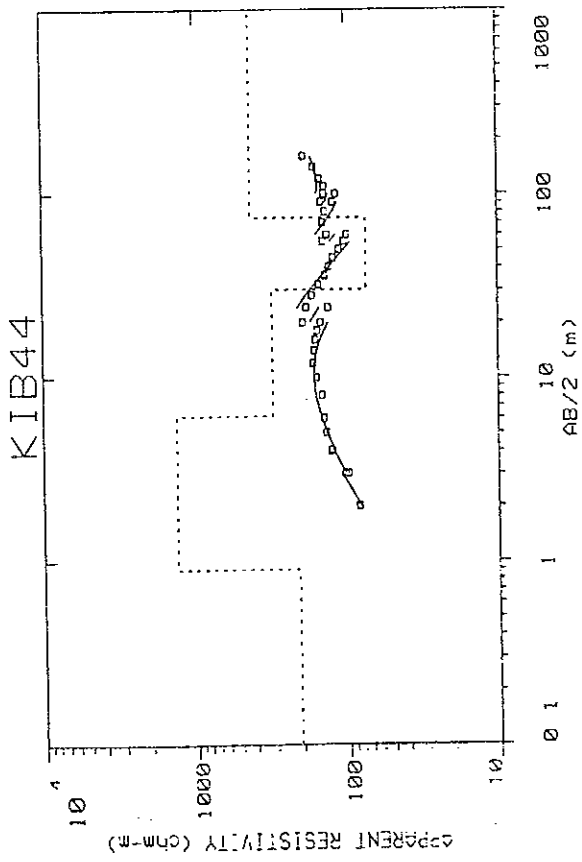
図-6 電気探査解析結果図 (キボガ)

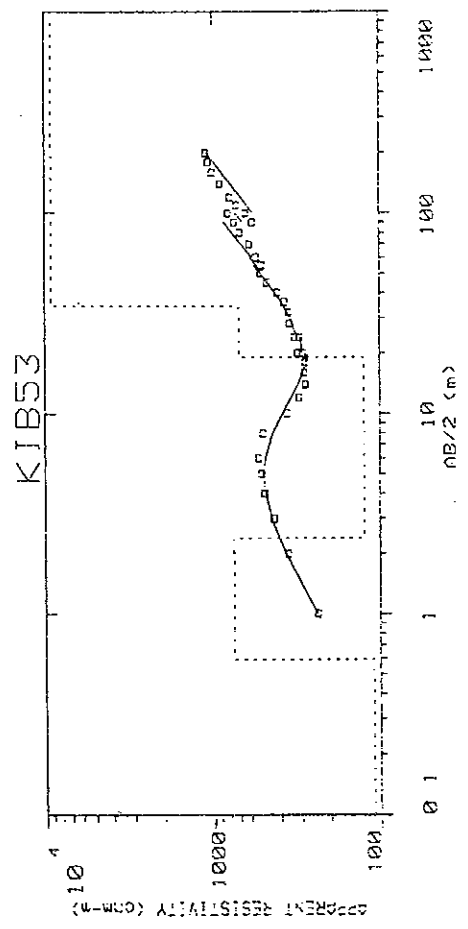
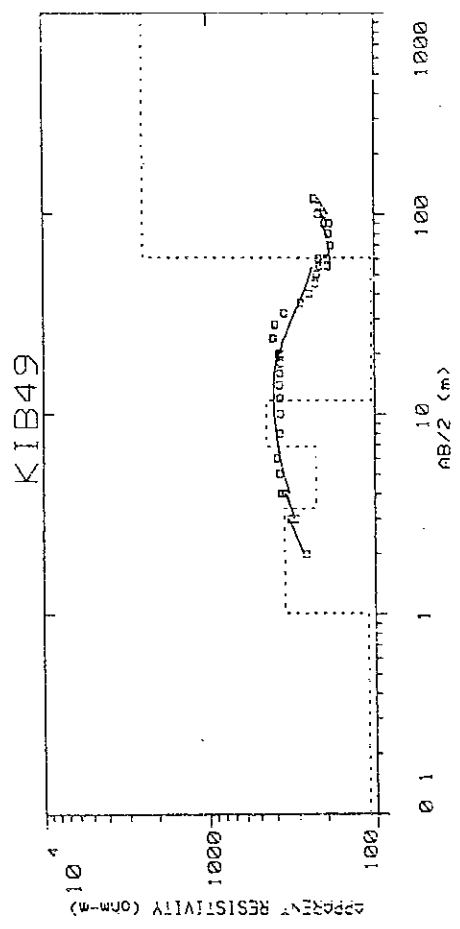
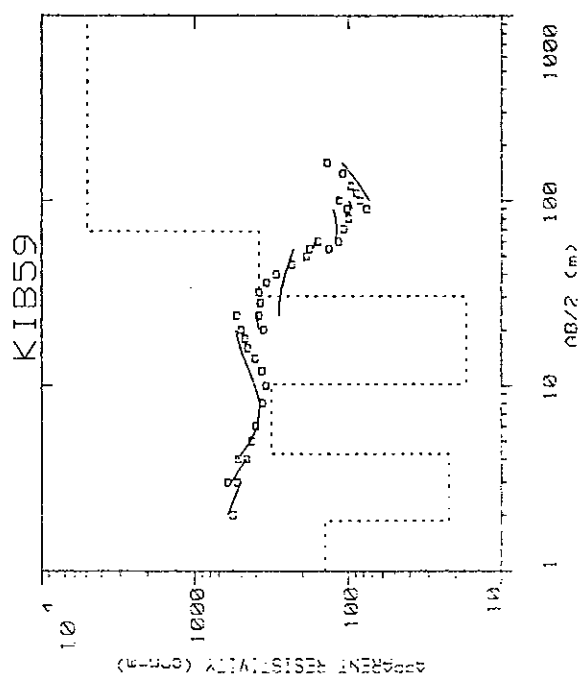
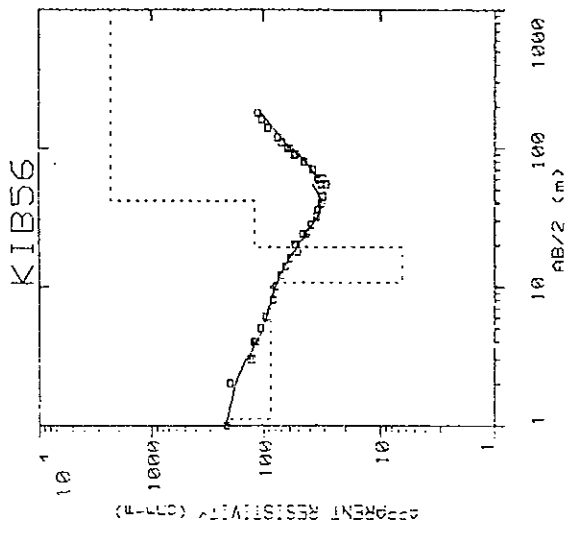
電気探査解析結果図
(KIBOGA DISTRICT)



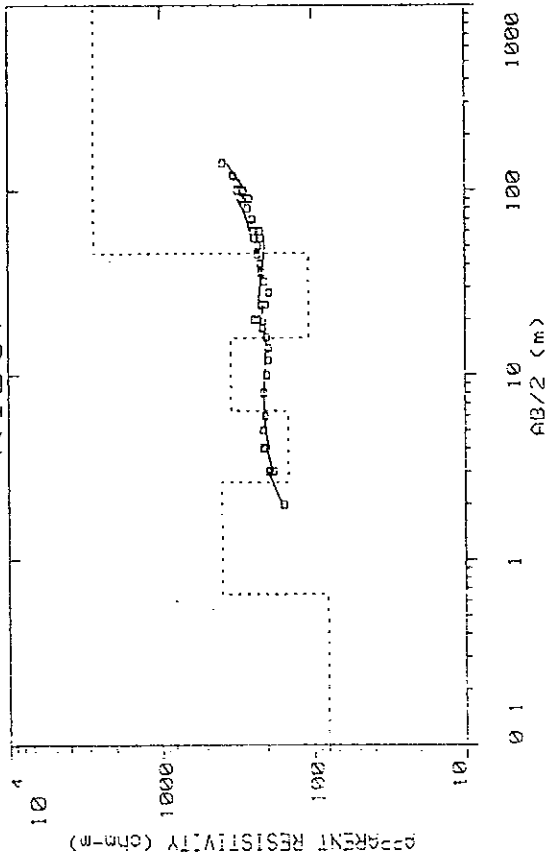




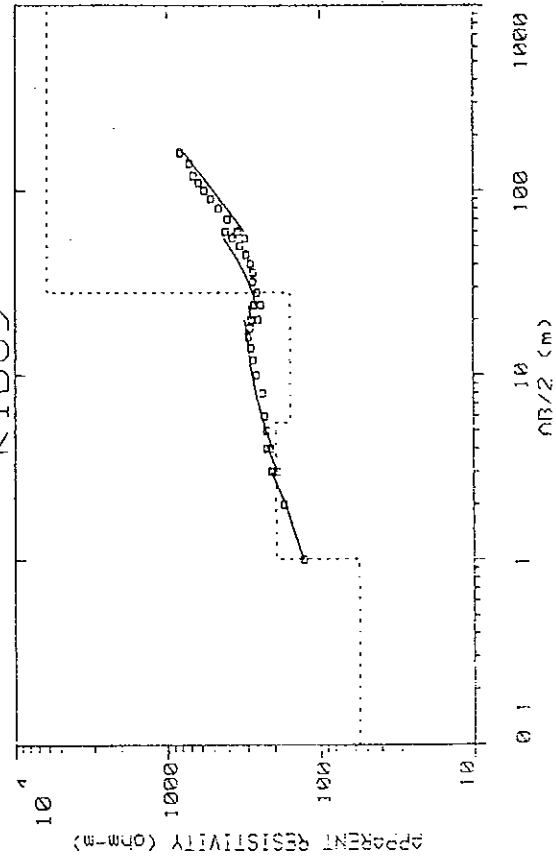




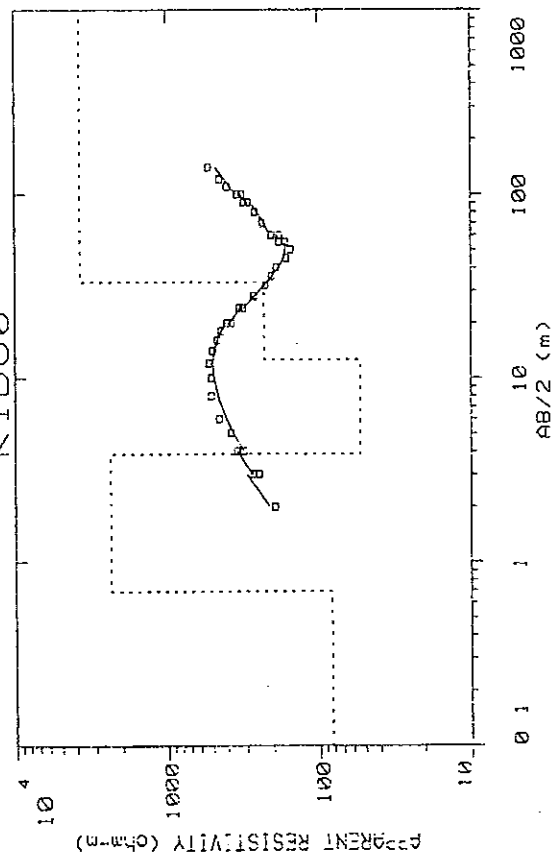
KIB67



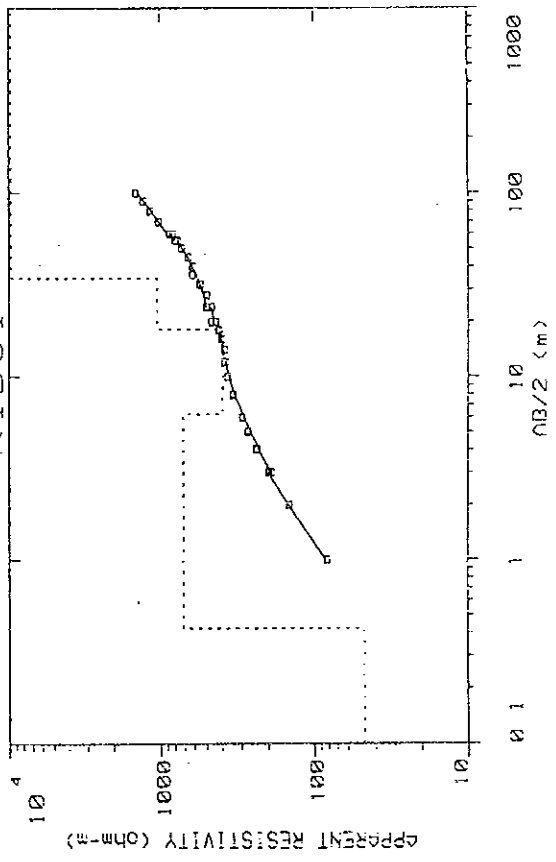
KIB69



KIB60



KIB61



KIB73

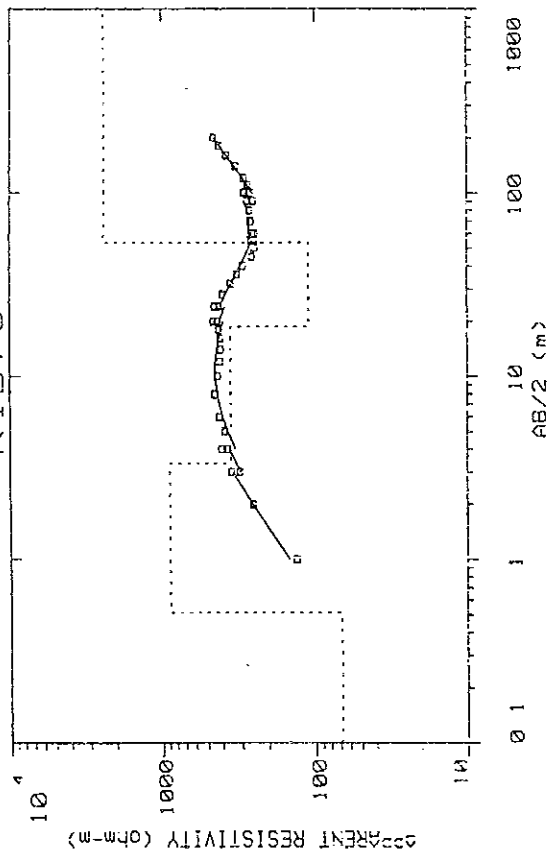
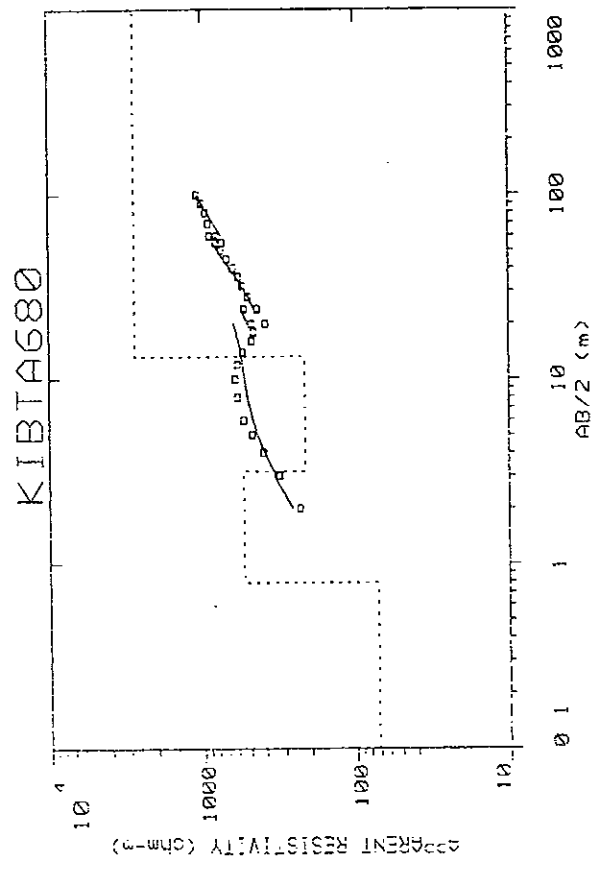
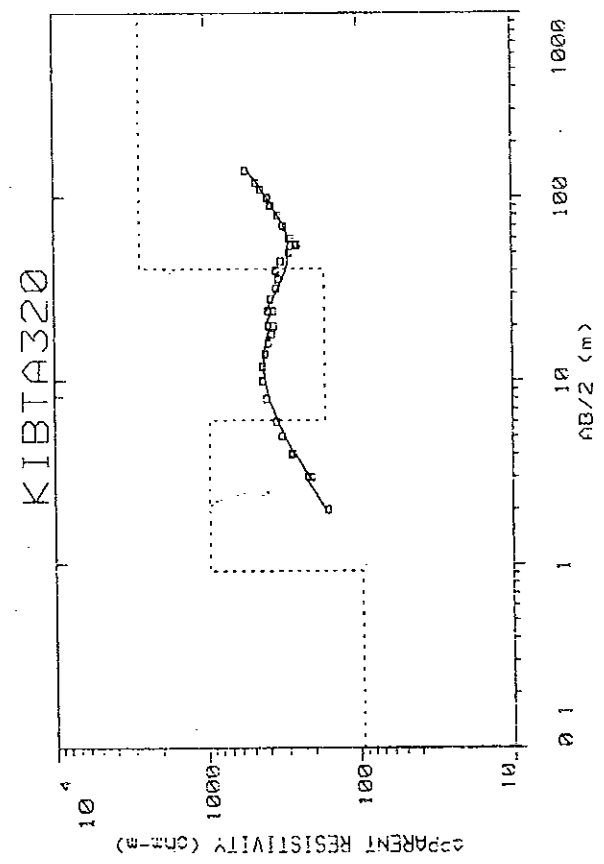
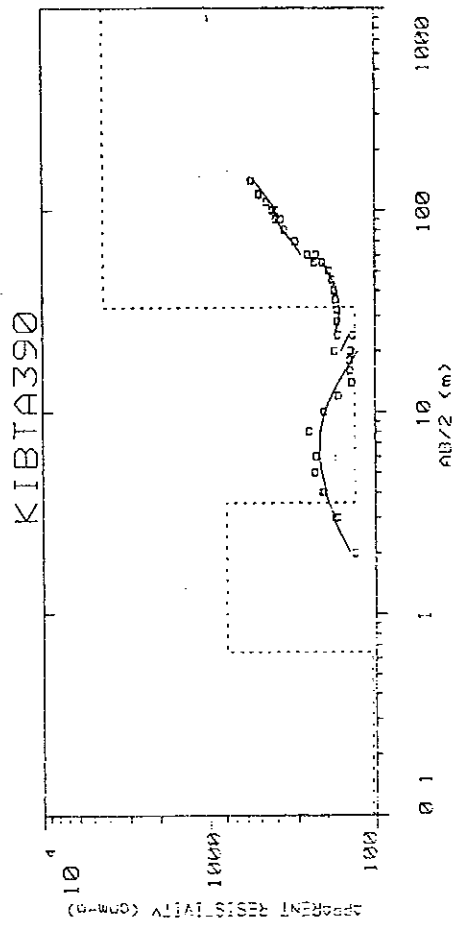
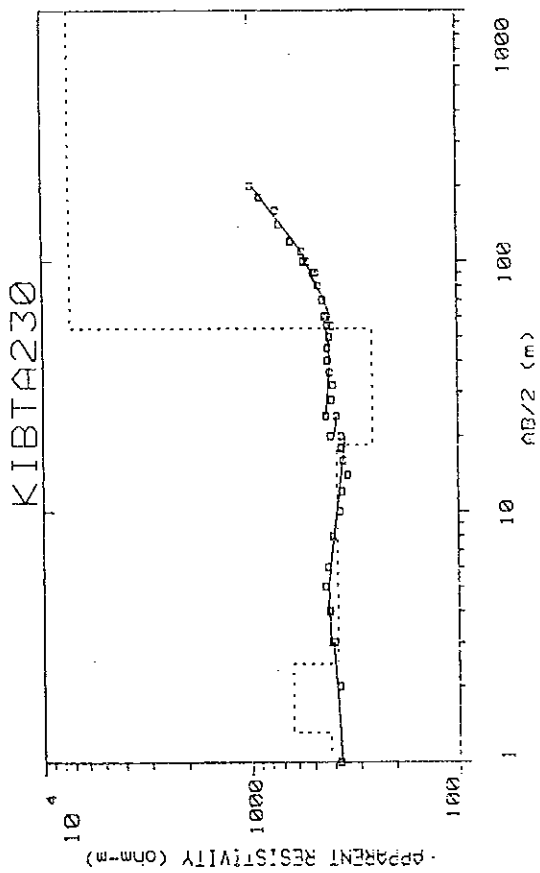
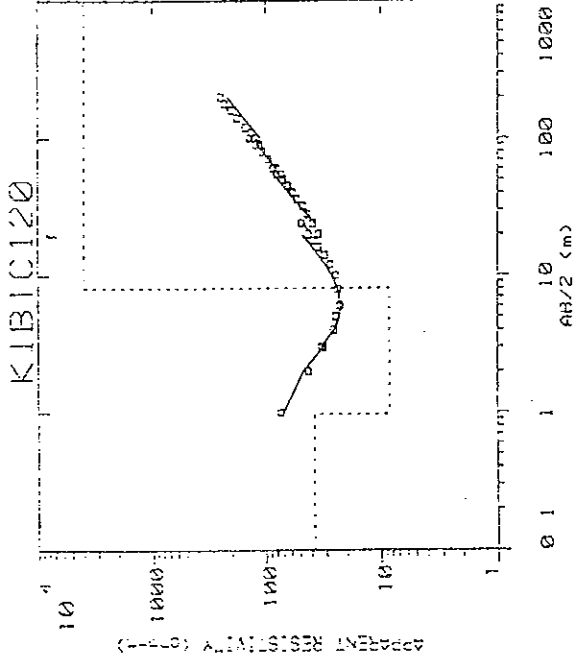
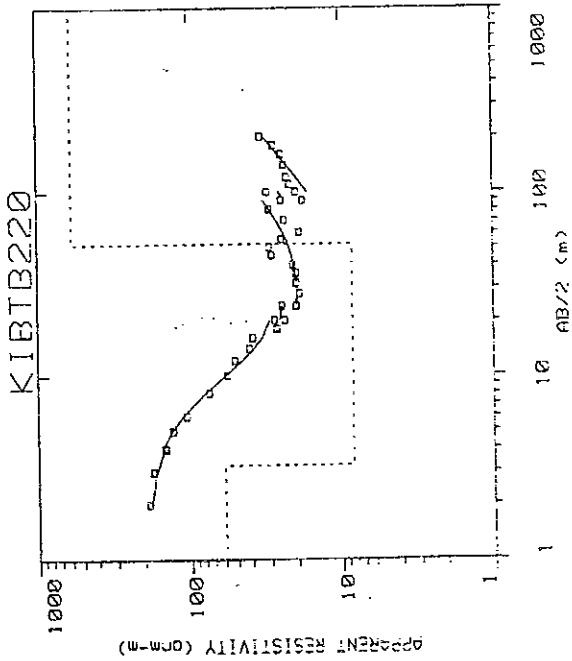
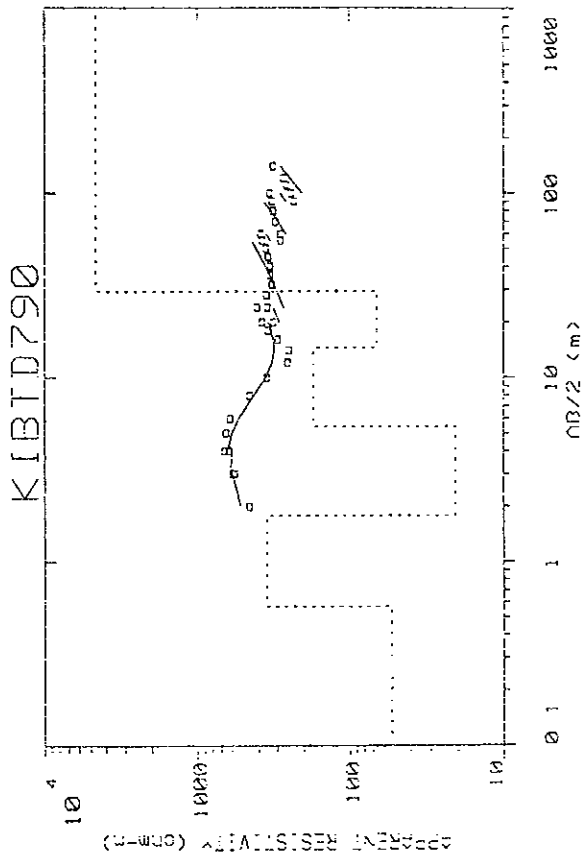
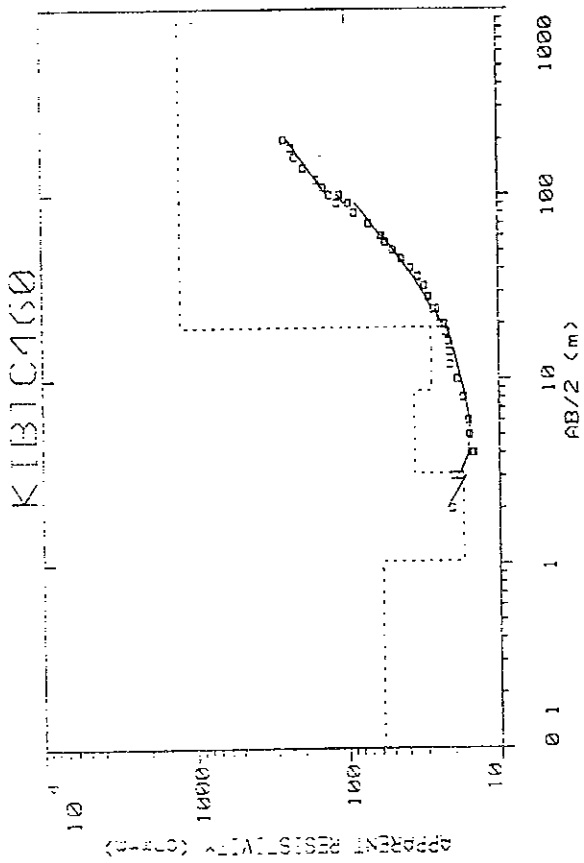
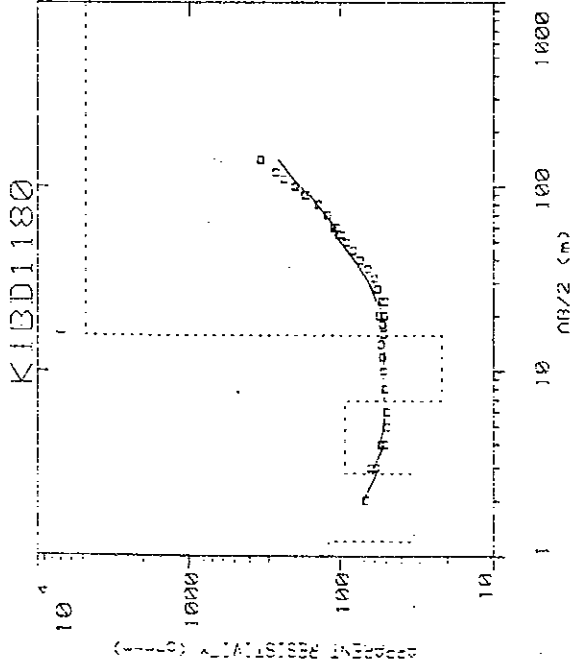
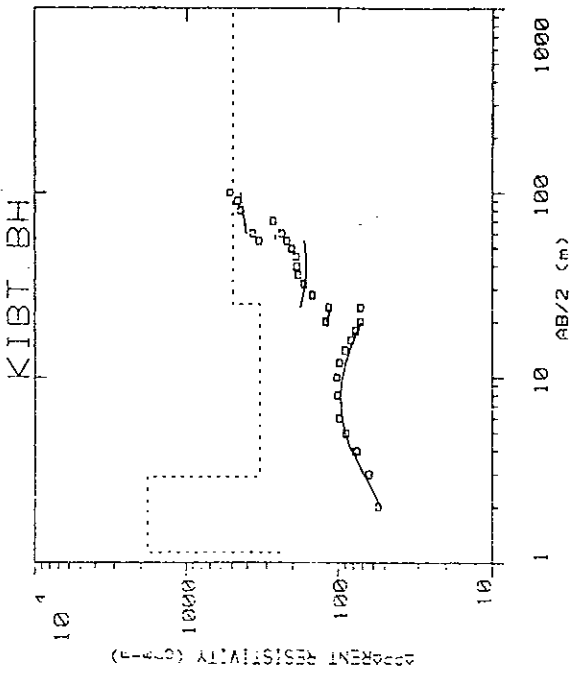
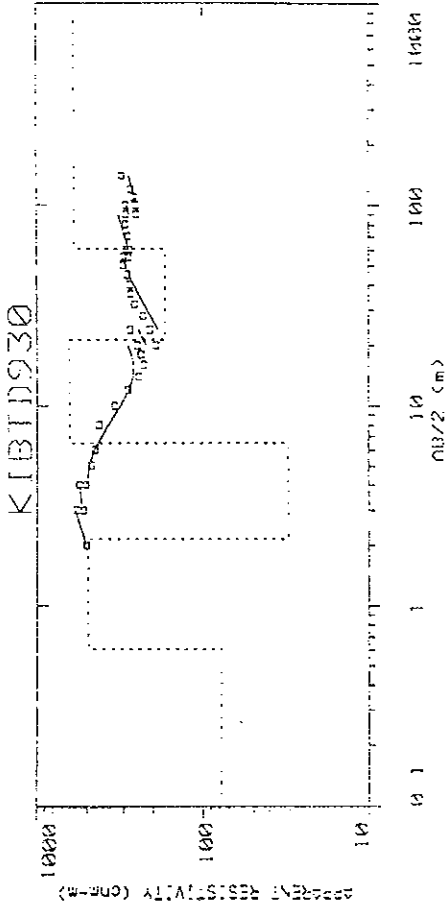


図-7 電気探査解析結果図（キボガ：レベル-II）

電気探査解析結果図
(KIBOGA TOWN)







JICA