

THE REPUBLIC OF RWANDA

THE STUDY  
ON  
THE RURAL WATER SUPPLY PROJECT  
IN  
THE EASTERN REGION (PHASE II)

FINAL REPORT  
VOLUME II - MAIN REPORT

JANUARY 1992

JAPAN INTERNATIONAL COOPERATION AGENCY  
(JICA)

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## PREFACE

In response to a request from the Government of the Republic of Rwanda, the Government of Japan decided to conduct a study on the Rural Water Supply Project in the Eastern Region (Phase III) and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to Rwanda a study team headed by Dr. Yukio Hoshino, Pacific Consultants International, on four occasions between August 1989 and November 1991.

The team held discussions with the officials concerned of the Government of Rwanda and conducted field surveys at the study area. After the team returned to Japan, further studies were made and the present report was prepared.

I hope that this report will contribute to the promotion of the project and to the enhancement of friendly relations between our two countries.

I wish to express my sincere appreciation to the officials concerned of the Government of the Republic of Rwanda for their close cooperation extended to the team.

January, 1992



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Kensuke Yanagiya  
President  
Japan International Cooperation Agency



THE STUDY  
ON  
THE RURAL WATER SUPPLY PROJECT  
IN THE EASTERN REGION (PHASE III)

January, 1992

Mr. Kensuke YANAGIYA  
President  
Japan International Cooperation Agency

LETTER OF TRANSMITTAL

Dear Sir,

It is our pleasure to submit herewith the Final Report of "THE STUDY ON THE RURAL WATER SUPPLY PROJECT IN THE EASTERN REGION (PHASE III), the Republic of Rwanda".

This report was prepared by the Study Team in accordance with the contracts signed on 28th of July 1989, 20th of June 1990 and 21th of June 1991 between the Japan International Cooperation Agency and the Joint Venture of Pacific Consultants International and Kajitani Engineering Co. Ltd.

The report consists of Summary Report, Main Report, Supporting Report, Drawings and Data Book. The Summary Report provides the summary of the study and recommendations. The Main Report describes the results of the study and analyses. The Supporting Report contains the details of various studies. In addition, Drawings and Data Book were prepared and submitted herewith.

Finally, we take this opportunity to express our sincere gratitude to the Japan International Cooperation Agency, Ministry of Foreign Affairs, and Embassy of Japan in Zaire, and also to officials concerned of the Government of the Republic of Rwanda who gave useful advice to the Study Team during the study period.

Respectfully yours,



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Yukio Hoshino  
Team Leader







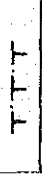
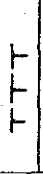




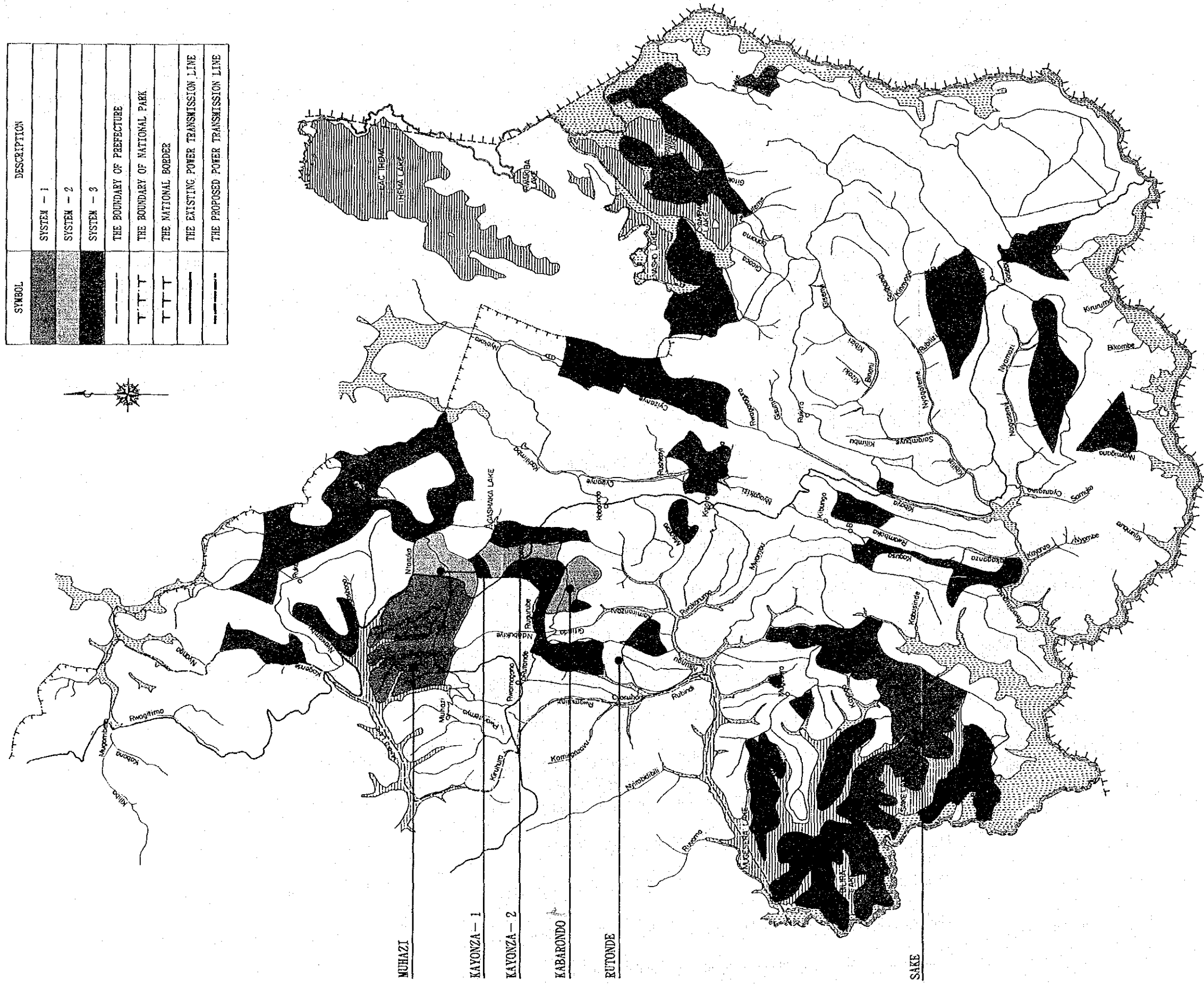














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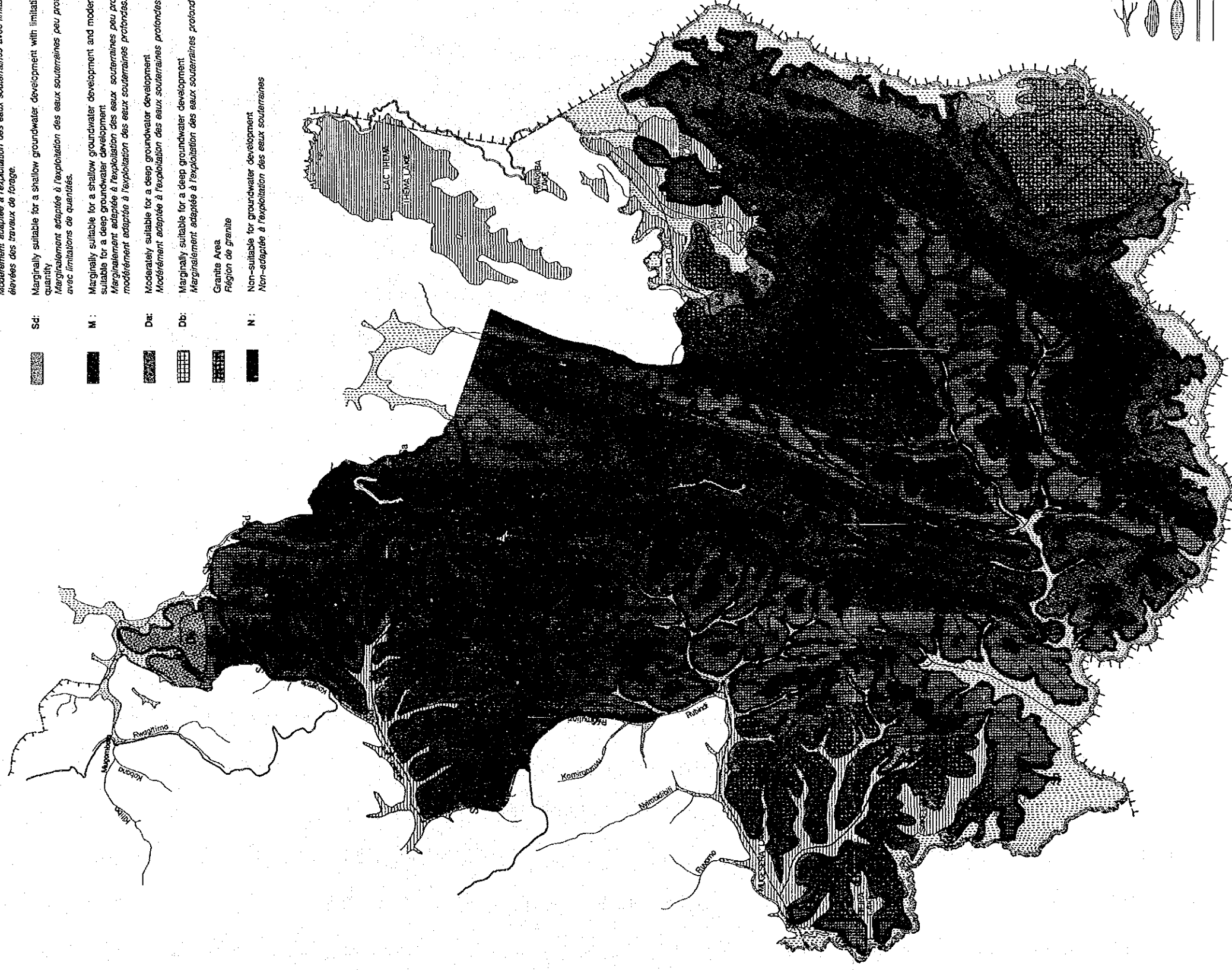
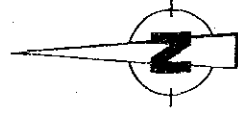
SYMBOL	DESCRIPTION
	SYSTEM - 1
	SYSTEM - 2
	SYSTEM - 3
	THE BOUNDARY OF PREFECTURE
	THE BOUNDARY OF NATIONAL PARK
	THE NATIONAL BORDER
	THE EXISTING POWER TRANSMISSION LINE
	THE PROPOSED POWER TRANSMISSION LINE











GENERAL LAYOUT OF POSSIBLE PROJECT SCHEME

**LEGEND**

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|---|---|
| <p><b>Sa:</b> </p> <p><b>Sb:</b> </p> <p><b>Sc:</b> </p> <p><b>Sd:</b> </p> <p><b>M:</b> </p> <p><b>Ds:</b> </p> <p><b>Db:</b> </p> <p><b>N:</b> </p> | <p>Suitable for a shallow groundwater development with lower limitations of both quantity and quality<br/><i>Adaptée à l'exploitation des eaux souterraines peu profondes avec très peu de limitations de quantités et de qualité.</i></p> <p>Moderately suitable for a shallow groundwater development with low limitation of quantity but a few limitations of quality.<br/><i>Moderément adaptée à l'exploitation des eaux souterraines peu profondes avec peu de limitations de quantités mais un peu plus de limitations de qualité.</i></p> <p>Moderately suitable for a shallow groundwater development with high limitation of drilling work.<br/><i>Moderément adaptée à l'exploitation des eaux souterraines avec limitations élevées des travaux de forage.</i></p> <p>Marginally suitable for a shallow groundwater development with limitations of quantity.<br/><i>Marginalement adaptée à l'exploitation des eaux souterraines peu profondes avec limitations de quantités.</i></p> <p>Marginally suitable for a shallow groundwater development and moderately suitable for a deep groundwater development.<br/><i>Marginalement adaptée à l'exploitation des eaux souterraines peu profondes et modérément adaptée à l'exploitation des eaux souterraines profondes.</i></p> <p>Moderately suitable for a deep groundwater development.<br/><i>Moderément adaptée à l'exploitation des eaux souterraines profondes.</i></p> <p>Marginally suitable for a deep groundwater development.<br/><i>Marginalement adaptée à l'exploitation des eaux souterraines profondes.</i></p> <p>Granite Area<br/><i>Région de granite</i></p> <p>Non-suitable for groundwater development<br/><i>Non-adaptée à l'exploitation des eaux souterraines</i></p> |
|---|---|



- |   |                                    |
|---|------------------------------------|
|  | Rivers                             |
|  | Lakes                              |
|  | Marsh                              |
|  | International Road                 |
|  | Roads                              |
|  | THE BOUNDARY OF RIBUNGO PREFECTURE |
|  | The boundary of National Park      |
|  | The border                         |



Classification of The Ground water Development Potentiality  
*Classification des Potentialités d'Exploitation des Eaux Souterraines*

