

Japan International Cooperation Agency (JICA)

Federative Republic of Brazil

State of Tocantins

Secretariat of Agriculture (SAG-TO)

Secretariat of Planning and Environment (SEPLAN-TO)

**THE INTEGRATED DEVELOPMENT MASTER PLAN  
FOR AGRICULTURE AND LIVESTOCK  
IN THE  
NORTHERN REGION  
OF THE  
STATE OF TOCANTINS**

**FINAL REPORT**

August of 2001

Pacific Consultants International

Exchange Rate (January/2001 )		
US\$1.00	=	Real 2.00
Real 1.00	=	US\$0.50
US\$1.00	=	Yen 116.00

## PREFACE

In response to a request from the Government of the Federative Republic of Brazil, the Government of Japan decided to conduct a study on the Integrated Development Master Plan for Agriculture and Livestock in the Northern Region of the State of Tocantins and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to Brazil a study team headed by Mr. Satoru Kido of Pacific Consultants International, three (3) times between April 2000 and June 2001.

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

I hope that this Study 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 Federative Republic of Brazil and the Government of the State of Tocantins for their close cooperation extended to the team.

August, 2001



---

Kunihiko SAITO

President

Japan International Cooperation Agency

Tokyo, August of 2001

Mr. Kunihiko Saito  
President  
Japan International Cooperation Agency

**Transmittal Letter**

We are glad to submit the Final Report of the Study on The Integrated Development Master Plan for Agriculture and Livestock in the Northern Region of the State of Tocantins in the Federative Republic of Brazil.

The report consists of the master plan for agriculture and livestock development of the region and the feasibility study on priority areas, which have been prepared in consideration of the advices and recommendations of relevant ministries of the Government of Japan and JICA on formulation of development, as well as the discussions with the Brazilian counterpart on the Draft Final Report and their comments on the report.

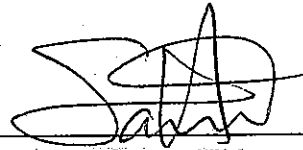
The north region of the State of Tocantins has a great potential for development due to its promising natural conditions for the agricultural sector, as well as the improvement of the transportation system. Therefore, the improvement and stabilization of the production by introducing adequate agricultural technology will activate the regional economy and elevate the living conditions of farmers. On the other hand, the Study Area is located in the Legal Amazon region, being necessary to be careful in elaborating a development plan that is sustainable with an adequate future vision, and also being in constant harmony with the environment.

It is contemplated in the report such programs/projects related to the agricultural and livestock development, which play important roles in the region, with the intention to reach the required levels of increase in the conservation areas in accordance with the environmental laws in the Legal Amazon and to emerge from poverty region by activating the regional economy. In order to realize the objectives, it is planned to improve the degraded pastures and to utilize the natural resources more efficiently through an intensified production, which are considered to produce a major socioeconomic impact in the region. It is thus anticipated that these plans be put into

implementation as soon as possible following the implementation schedule proposed in the report.

Taking this opportunity, we express our sincere gratitude to the officials of your Agency, the Ministry of Foreign Affairs and the Ministry of Agriculture, Forestry and Fishery of the Government of Japan for their valuable advices and recommendations for our study. We are also grateful to the officials of the Ministry of Agriculture and Supply of the Federative Republic of Brazil, the Secretariat of Agriculture and Secretariat of Planning and Environment of the Government of Tocantins and other public organizations involved in the Study for their devoted cooperation and support during the implementation of the Study in Brazil.

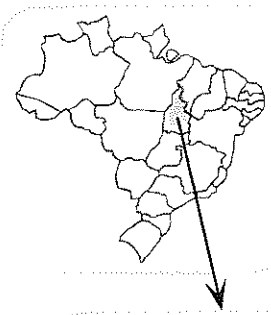
Sincerely yours,

A handwritten signature in black ink, appearing to be 'Satoru Kido', written over a horizontal line.

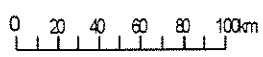
Satoru Kido

Team Leader

The Integrated Development Master Plan  
for Agriculture and Livestock in the  
Northern Region of the State of Tocantins



ESTADO DE TOCANTINS

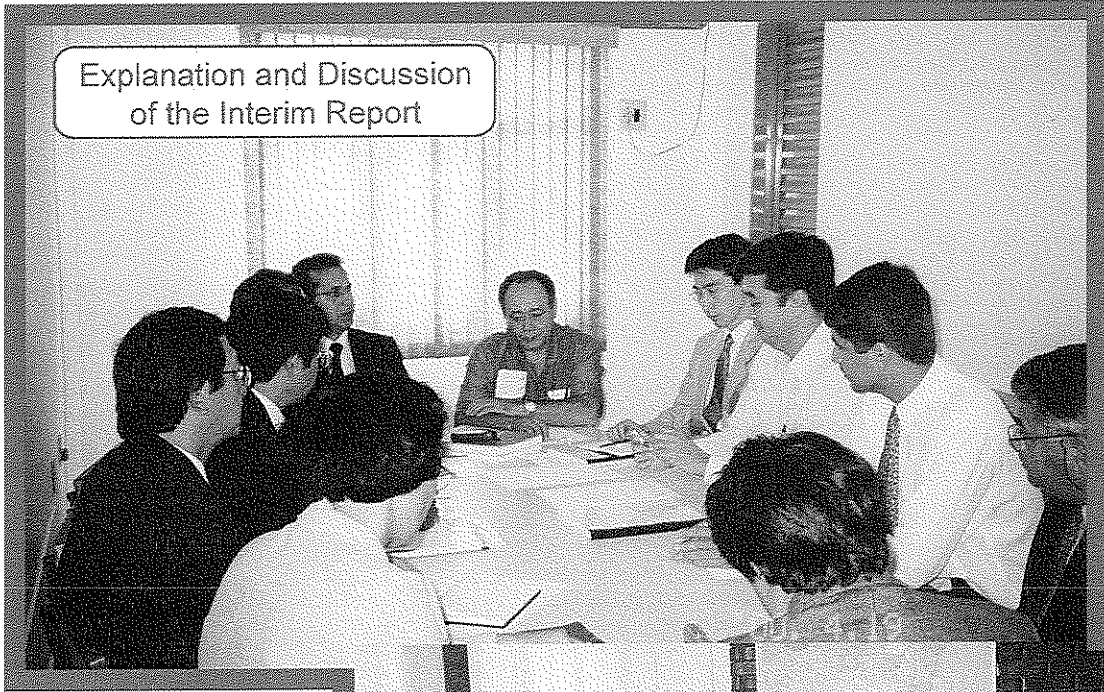


STUDY AREA

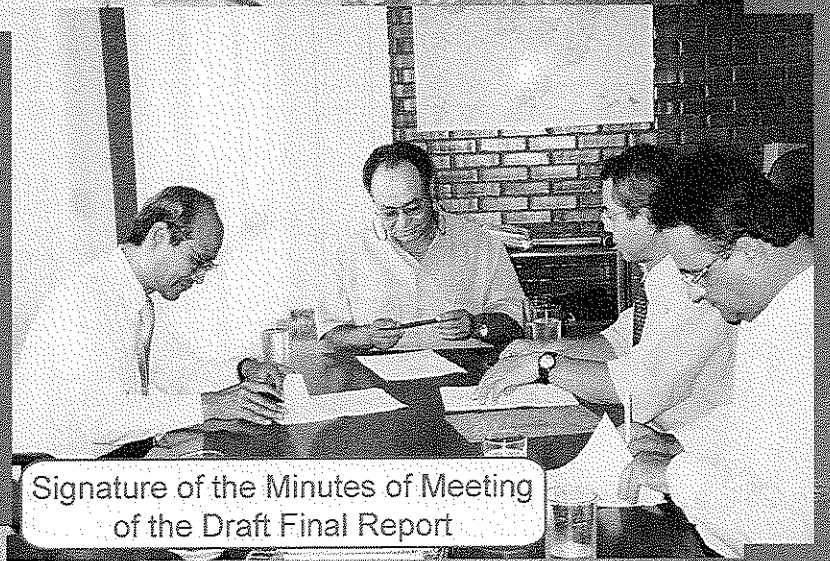


LOCATION MAP

Explanation and Discussion  
of the Interim Report



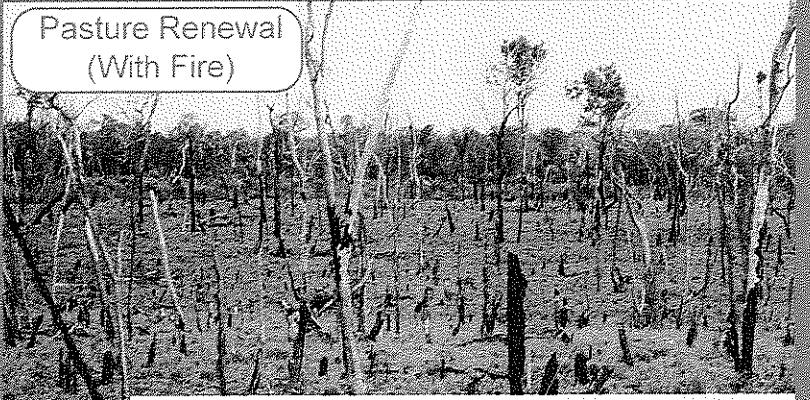
Signature of the Minutes of Meeting  
of the Draft Final Report



Technology  
Transfer Seminar



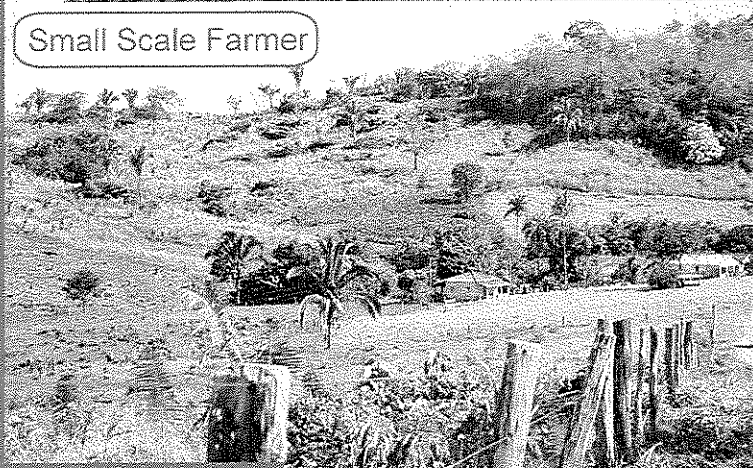
Pasture Renewal  
(With Fire)



Extensive Pasture



Small Scale Farmer

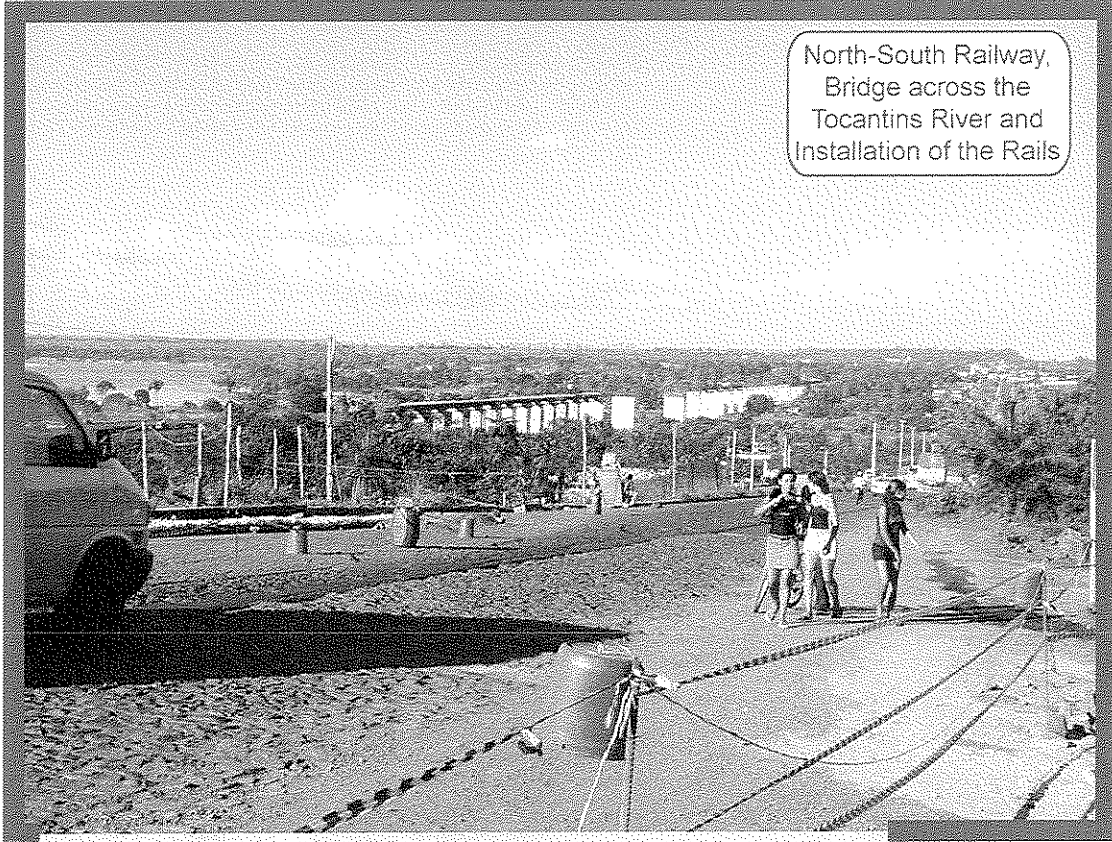


Buffalo Creation  
(Araguatins)





North-South Railway,  
Bridge across the  
Tocantins River and  
Installation of the Rails



↑ ÁREA DE NEGÓCIOS  
ÁREA DE EMBARQUE  
DE GRÃOS →

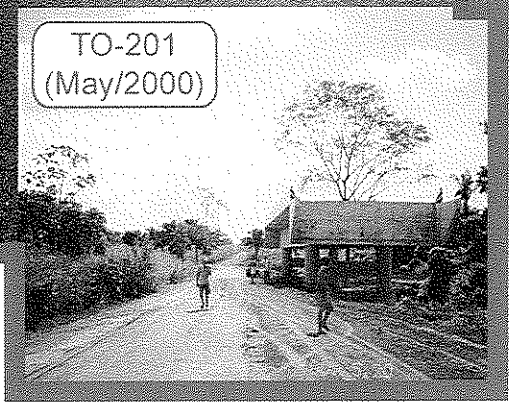
Grain Storage Installation  
Constructed along the  
North-South Railway  
in Porto Franco



TO-201  
(Jan/2001)

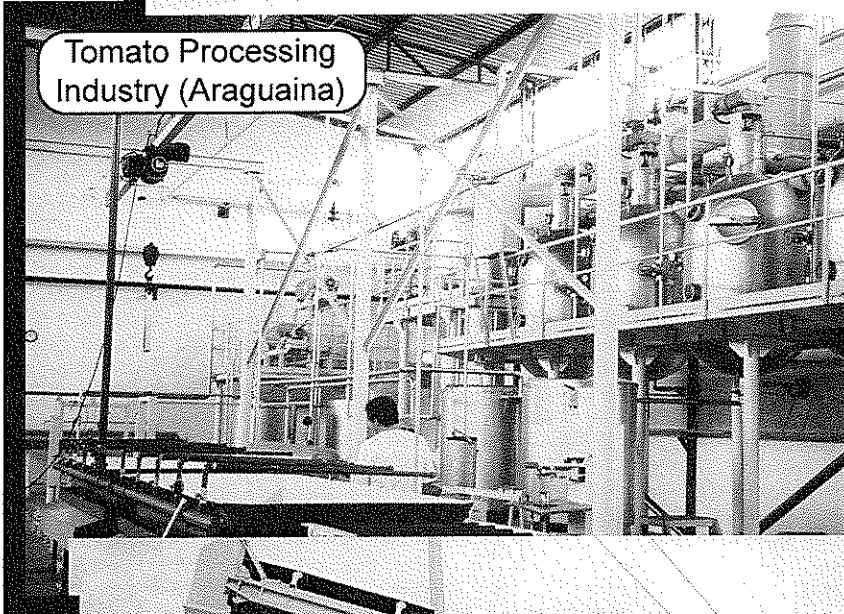


TO-201  
(May/2000)

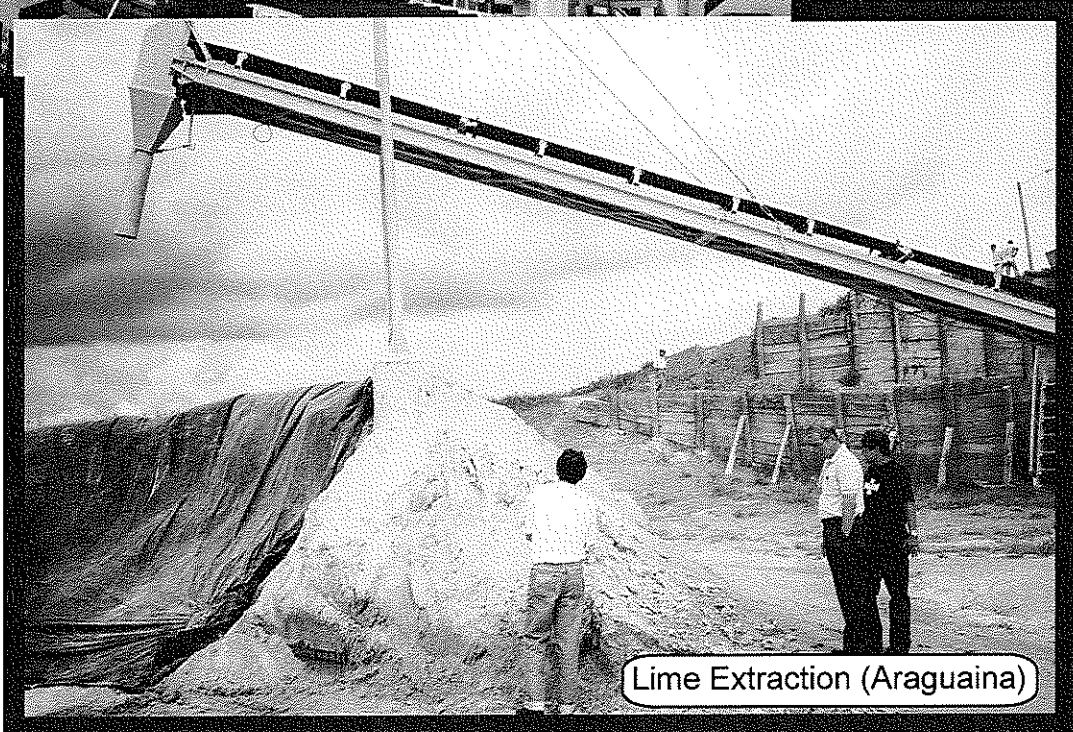




Cassava Process Industry (Esperantina)



Tomato Processing Industry (Araguaina)



Lime Extraction (Araguaina)