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**Scope of Work
for
The Master Plan Study on
Forest Management for Disaster Prevention in
the Northern Pacific Region in
the Republic of Nicaragua**

**Agreed Upon Between
Institute of National Forestry
and
Japan International Cooperation Agency**

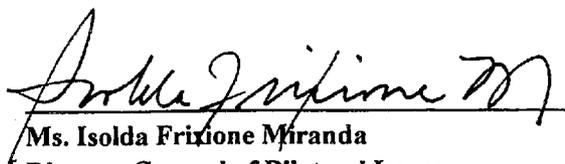
Managua, September 6, 2000



Mr. Gustavo Sandoval
Acting Executive Director,
Institute of National Forestry,
Ministry of Agriculture, Livestock and Forestry,



Mr. Yasukuni YANAGIHARA
Leader,
Preparatory Study Team,
Japan International Cooperation Agency



Ms. Isolda Frizione Miranda
Director General of Bilateral Issues,
Secretariat of Economic Relation and Cooperation
Ministry of External Relations

I. INTRODUCTION

In response to the request of the Government of the Republic of Nicaragua (hereinafter referred to as "the Government of Nicaragua"), the Government of Japan has decided to conduct the Master Plan Study on Forest Management for Disaster Prevention in the Northern Pacific Region in the Republic of Nicaragua (hereinafter referred to as "the Study"), in accordance with the relevant laws and regulations in force in Japan.

Accordingly, Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of the technical cooperation programs of the Government of Japan, will undertake the Study in close cooperation with the authorities concerned with the Government of Nicaragua.

The present document sets forth the Scope of Work with regard to the Study.

II. OBJECTIVES OF THE STUDY

The objectives of the Study are:

1. To formulate a master plan on the forest management for disaster prevention in the northern Pacific Region taking community participation into consideration in order to rehabilitate forests to enhance flood and soil erosion control functions; and
2. To transfer relevant technology to the counterpart personnel through on-the-job training in the course of the Study.

III. SCOPE OF THE STUDY

1. Study Area

The Study area shall cover the whole area of Leon Province, San Francisco Libre municipality of Managua Province and the watersheds of the Maribios Mountains and Estero Real in Chinandega Province with a total area of approximately 1 million hectares as shown in Annex I.



2. Outline of the Study

In order to achieve the objectives mentioned above, the Study comprising two stages will cover the following items.

First Stage

- (1) To develop a land use and forest type map which classifies the current land use and forest type for the Study Area based on the aerial photographs at a scale of 1/40,000 provided by Nicaraguan Institute of Territorial Study (INETER) and relevant information in the Area.
- (2) To clarify profiles of forest management in each municipality and/or block (comarca) through interviews with relevant municipalities and forestry related project offices in the Area. The profiles cover socio-economic information, characteristics, needs and constrains of ongoing forest management activities.
- (3) To compile a forest management plan for disaster prevention of each municipality and/or block based on the land use and forest type map and the profiles.
- (4) To formulate a forest management action program for the selected communities in the Study Area. The program will compose of area, type of forest management method, recommended tree species for afforestation, budget and implementation bodies. The communities will be selected in consideration of the natural conditions, capacity for forest management and accessibility of communities. The field survey and interviews in the communities will be conducted in order to obtain necessary information for the action program.

Second Stage

- (5) To conduct a pilot study on forest management in the communities. The target communities will be chosen based on the outputs in the first stage. The possible study components are as follows.
 - a) Surveys through participatory approaches to understand actual local peoples' situation and needs, to motivate them for better forest management and to develop a plan for the pilot study.



- b) Soil survey, forest survey and examination of forest productivity.
 - c) Establishment of Nurseries, seedling production and plantation.
 - d) Examination of agroforestry practices, other income generation activities and forest conservation measures including food processing, products marketing, fuel-wood saving measures.
 - e) Simple labor-intensive engineering works for the sake of controlling land slide and erosion.
 - f) Extension and training with technical and management manuals.
 - g) Development of monitoring and evaluation system of the forest status towards sustainable forest management.
- (6) To formulate a master plan on forest management for disaster prevention, which consists of community, group and individual based program of forest management. The program shall be applicable for socio-economic conditions in Nicaragua and spontaneous activities in the communities.

IV. WORK SCHEDULE

The Study will be carried out in accordance with the attached tentative work schedule. (Annex II)

V. REPORTS

JICA shall prepare and submit the following reports to the Government of Nicaragua.

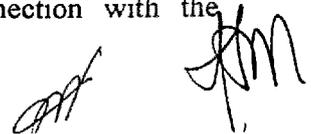
1. Inception Report
Thirty (30) copies in Spanish at the beginning of the first fieldwork.
2. Interim Report
Thirty (30) copies in Spanish at the beginning of the second fieldwork.



3. Progress Report on Pilot Study
Thirty (30) copies in Spanish at the beginning of the fourth fieldwork.
4. Draft Final Report
Ten (10) copies in English and thirty (30) copies in Spanish at the later stage of the second stage of the Study. The Government of Nicaragua will provide JICA with its comments on the Draft Final Report within one (1) month after receipt of the Draft Final Report.
5. Final Report
Thirty (30) copies in English and fifty (50) copies in Spanish within two (2) months after receipt of the comments from the Government of Nicaragua on the Draft Final Report.
6. In addition to the above reports, field reports will be prepared at the end of each fieldwork.
7. The land use and forest type map (scale: 1/40,000) and the disaster prevention reforestation site map (scale: 1/40,000) in the digital form will be submitted to the Government of Nicaragua with relevant reports.

VI. UNDERTAKING OF THE GOVERNMENT OF NICARAGUA

1. In order to facilitate the smooth conduct of the Study, the Government of Nicaragua shall take necessary measures;
 - (1) To secure the safety of the Japanese Study Team,
 - (2) To permit the members of the Japanese Study Team to enter, leave and sojourn in the Republic of Nicaragua for the duration of their assignment therein, and exempt them from foreign registration requirements and consular fees,
 - (3) To exempt the members of the Japanese Study Team from taxes, duties, fees and other charges on equipment, machinery and other materials brought into the Republic of Nicaragua for the conduct of the Study,
 - (4) To exempt the members of the Japanese Study Team from income tax and charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese Study Team for their services in connection with the



implementation of the Study,

- (5) To provide necessary facilities to the Japanese Study Team for remittance as well as utilization of the funds introduced into the Republic of Nicaragua from Japan in connection with the implementation of the Study,
 - (6) To secure permission for entry into private properties or restricted areas for the implementation of the Study,
 - (7) To secure permission for the Japanese Study Team to take all data and documents including photographs and maps related to the Study out of the Republic of Nicaragua to Japan; and
 - (8) To provide medical services as needed. Its expense will be chargeable on the members of the Japanese Study Team.
2. The Government of Nicaragua shall bear claims, if any arise, against members of the Japanese Study Team resulting from, occurring in the course of, or otherwise connected with, the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Japanese Study Team.
 3. Institute of National Forestry shall act as counterpart agency to the Japanese Study Team and also as coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
 4. Institute of National Forestry shall, at its own expense, provide the Japanese Study Team with the following, in cooperation with other organizations concerned;
 - (1) Available data and information related to the Study;
 - (2) Counterpart personnel;
 - (3) Suitable office spaces with necessary equipment in Managua and the Study Area; and
 - (4) Credentials or identification cards.

VII. UNDERTAKING OF JICA

For the implementation of the Study, JICA shall take the following measures;



1. To dispatch, at its own expense, the Japanese Study Teams to the Republic of Nicaragua, and
2. To pursue technology transfer to the Nicaraguan counterpart personnel in the course of the Study.

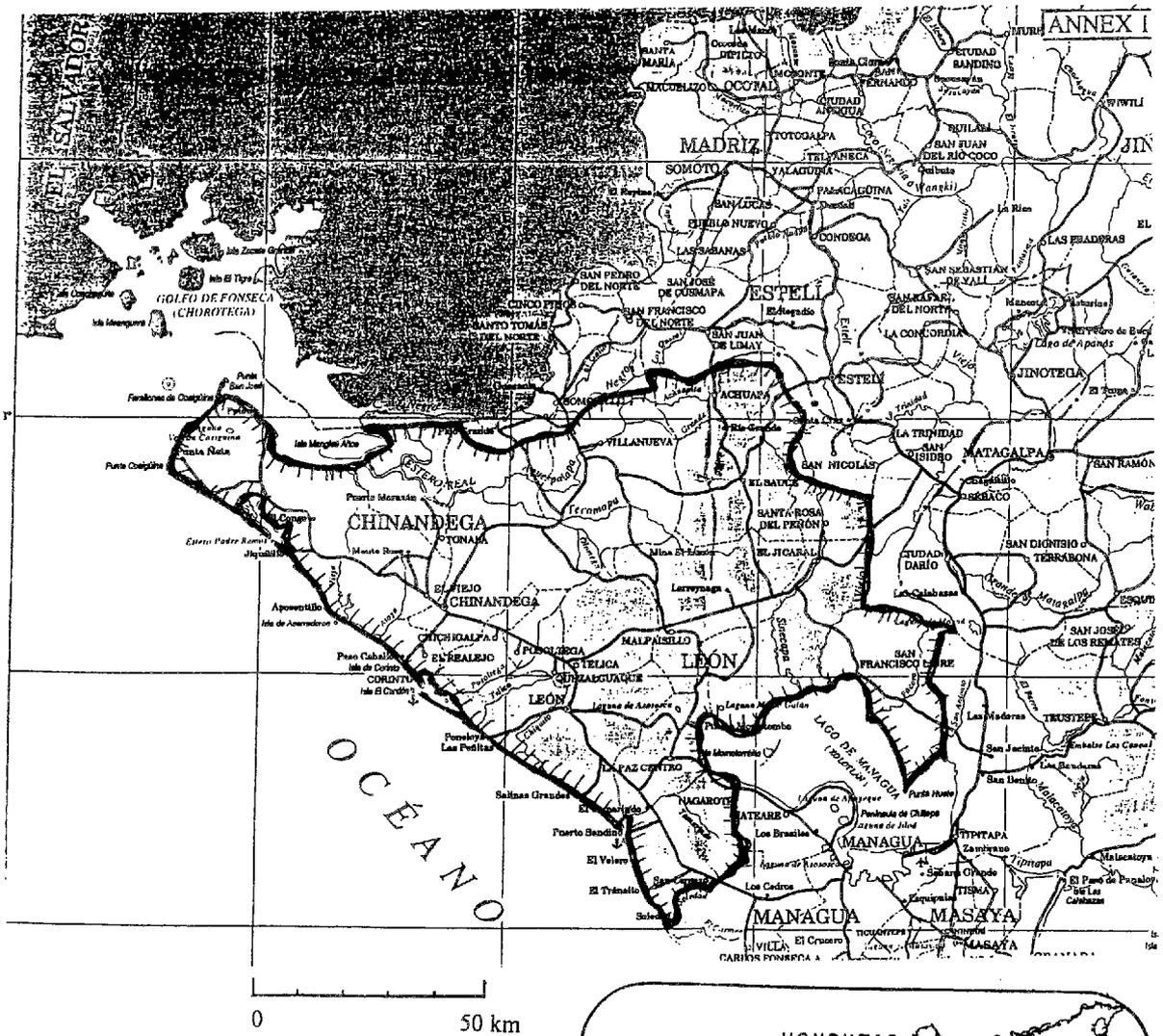
VIII. LANGUAGE

In case any divergence arises about interpretation of this Scope of Work, which is done in English and Spanish, the English text shall prevail.

IX. CONSULTATION

JICA and Institute of National Forestry, shall consult with each other in respect of any matter that may arise from or in connection with the Study.





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**Minutes of Meeting on
the Scope of Work for
the Master Plan Study on
Forest Management for Disaster Prevention in
the Northern Pacific Region in
the Republic of Nicaragua**

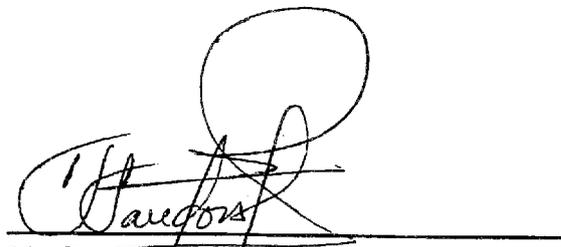
The Preparatory Study Team (hereinafter referred to as "the Team") organized by Japan International Cooperation Agency (hereinafter referred to as "JICA") headed by Mr. Yasukuni Yanagihara visited the Republic of Nicaragua from August 22 to September 14, 2000 for the purpose of discussing and confirming the Scope of Work for the Study on the Master Plan Study on Forest Management for Disaster Prevention in the Northern Pacific Region in the Republic of Nicaragua (hereinafter referred to as "the Study").

The Team had a series of discussions with officials of Institute of National Forestry (hereinafter referred to as "INAFOR") and other relevant organizations on the Scope of Work for the Study. The list of participants in the meeting is attached in Annex I.

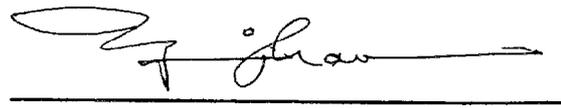
As a result of the discussions, INAFOR and the Team agreed upon the Scope of Work for the Study.

The main issues discussed by the both sides in relation to the Scope of Work for the Study are shown in the documents attached hereto.

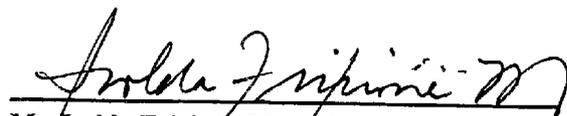
Managua, September 6, 2000



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Acting Executive Director,
Institute of National Forestry,
Ministry of Agriculture, Livestock and Forestry



Mr. Yasukuni YANAGIHARA
Leader,
Preparatory Study Team,
Japan International Cooperation Agency



Ms. Isolda Frixione Miranda
Director General of Bilateral Issues,
Secretariat of Economic Relation and Cooperation
Ministry of External Relations

(Attached Document)

1. Steering Committee

For the smooth and effective conduct of the Study, both sides mutually agreed to establish a Steering Committee, which shall comprise of relevant organizations working for forestry, agriculture and rural development sectors. Basically, the Committee will meet each time when the Japanese Study Team explains their reports and/or if necessity arises. The first Committee meeting will be held at the arrival of the Japanese Study Team.

Members of the Committee shall consist of representatives of the following institutions;

- 1) INAFOR as a coordinating organization
- 2) Ministry of Agriculture, Livestock and Forestry (MAGFOR)
- 3) Ministry of Environment and Natural Resources (MARENA)
- 4) Institute of Rural Development (IDR)
- 5) Institute of Technology for Agriculture and Livestock (INTA)
- 6) Nicaraguan Institute of Territorial Study (INETER)

The Nicaraguan office of Food and Agriculture Organization (FAO) shall send an observer to give technical advice to the Japanese Study Team.

2. Counterpart Personnel

INAFOR will assign the counterpart personnel for Japanese Study Team in the following technical field;

- 1) Forest Management/Reforestation
- 2) Community Forestry/Agroforestry
- 3) Erosion Control/Watershed Management
- 4) Land Use/Forest Survey
- 5) Community Participation and Extension
- 6) Geographical Information System (GIS); and
- 7) Other relevant fields, as necessary.

3. Clarification of the Study Area

Both sides understood that the Study Area covers the municipalities in Leon, Chinandega and Managua provinces listed in Annex II. The watershed area of Rio Negro in the municipalities in Chinandega Province is excluded due to security reason. The Japanese Study Team will prepare a land use and forest type map of the upper watershed area of the rivers flowing into the Study Area based on the existing aerial photographs without conducting any field survey.



4. Aerial Photographs

Both sides confirmed the importance of procurement of the aerial photographs covering the Study Area at a scale of 1:40,000 taken in 1999 and 2000 which will be available at INETER in the middle of September, 2000. The Japanese side will inform INAFOR about the required area, number and specification of the aerial photographs in earliest possible in order that INAFOR will procure the photographs prior to the commencement of the Study work. The cost of the photographs will be born by the Japanese Study Team.

5. GIS

The land use and forest type map will be processed in the digital form as a GIS data. INAFOR will maintain the data in collaboration with experts in MARENA and MAGFOR after submission of the data to INAFOR.

6. Joint Seminars

Joint seminars will be held by both sides at the beginning of the second fieldwork in order to discuss the outputs of the First Stage of the Study. The representatives of associated organizations including municipalities and communities will be encouraged to participate in the events.

7. Selection of the Pilot Study Sites

The sites of the pilot study in the second stage will be determined at the beginning of the second fieldwork under the consideration of the outputs of the First Stage and available information, such as the hazard map prepared by USGS.

8. Technology transfer seminar

Both sides agreed that the Study should include a technology transfer seminar to disseminate the results of the Study at the stage of explanation of the draft final report. The seminar is to be jointly organized by both sides.

9. Opening the final report to the public

Both sides agreed that the final report would be open to the public.

10. Training of counterpart personnel

INAFOR requested the Team that Nicaraguan counterpart personnel would take advantage of training in Japan and/or third country to promote further effective technology transfer. The Team promised to convey the request to JICA headquarters.

11. Equipment for the Study



INAFOR requested the Team that JICA would consider providing the following equipment in order to smooth implementation of the Study work.

- 1) Computer, plotter and application software for GIS
- 2) Four-wheel-drive vehicle
- 3) Single cabin pick-up truck
- 4) Motorcycle
- 5) Handy GPS

The Team promised to convey the request to JICA headquarters.

12. Security Measures

Both sides confirmed that security guard would accompany the Japanese Study Team during the field survey conducted in unsecured area, if necessity arise.



LIST OF PARTICIPANTS

1. Nicaraguan side

1) Institute of National Forestry (INAFOR), Ministry of Agriculture, Livestock and Forestry (MAGFOR)

Ing. Jose Marengo Cardenal	Minister
Dr. Jorge Castillo Quant	Secretary General
Ing. Gustavo Sandoval	Deputy Executive Director
Ing. Sergio Sanchez	Director, Regulation and Control Department
Lic. Mayra Vivas M.	Director, Forestry Promotion and Development Department
Ing. Dianer Sanchez	Chief, Institutional Management Unit, Forestry Promotion and Development Department

2) Secretariat of Economic Relation and Cooperation, Ministry of External Relations

Ing. Isolda Frixione Miranda	Director General of Bilateral Administration
Lic. Maria Auxiliadora Vindell	Officer of Administration
Lic. Alejandro Maltez Montiel	Consultant, Responsible for Japanese Financial Cooperation

2. Japanese side

1) Preparatory Study Team

Mr. Yasukuni YANAGIHARA	Leader
Mr. Kimiaki JIN	Member
Mr. Shoichi KANEKO	Member
Mr. Makoto FUKUYAMA	Member
Mr. Yuji OUCHI	Member
Mr. Shoji ONISHI	Interpreter

2) Embassy of Japan

Mr. Kozo KOJIMA	Second Secretary
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3) JICA Nicaraguan Office

Mr. Shigeru TAKAGI	Resident Representative
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4) JICA Expert

Mr. Minoru ARIMOTO	JICA Expert, Secretariat of Economic Relation and Cooperation, Ministry of External Relations
Dr. Yoshihiro TAKANO	JICA Expert, MAGFOR



Número	Departamento	Area	Población Urbana	Población Rural	Total
Municipio	Municipio	Km2			
CHINANDEGA					
1	El Viejo	1,274.71	33,607	35,448	69,055
2	Puerto Morazán	517.34	4,368	7,043	11,411
3	Somotillo	724.31	9,891	14,876	24,767
4	Villa Nueva	779.88	3,090	19,251	22,341
5	Chinandega	686.61	97,387	19,650	117,037
6	El Realejo	104.54	3,357	4,797	8,154
7	Corinto	70.67	16,926	251	17,177
8	Chichigalpa	222.54	28,823	13,080	41,903
9	Posoltega	149.04	4,189	11,142	15,331
9	Sub total	4,529.64	201,638.00	125,538	327,176
LEON					
1	Achuapa	416.20	2,345.00	10,841	13,186
2	El Sauce	693.00	7,052.00	18,921	25,973
3	Santa Rosa del Peñón	227.60	2,070.00	7,059	9,129
4	El Jicaral	431.50	566.00	9,470	10,036
5	Larreynaga	1,099.00	5,475.00	24,323	29,798
6	Telica	393.70	6,221.00	16,558	22,779
7	Quezalguaque	85.70	981.00	6,773	7,754
8	León	820.20	123,865.00	37,665	161,530
9	La Paz Centro	691.60	17,299.00	10,210	27,509
10	Nagarote	598.40	19,646.00	9,554	29,200
10	Sub total	5,456.90	185,520.00	151,374	336,894
MANAGUA					
1	San Francisco Libre	668	-	9,000	9,000
1	Sub total	668	-	9,000	9,000
20	Total	10,655	387,158	285,912	673,070

Fuente: (1) INETER 1996 (2) Censo Nacional 1,995.

資料3 収集資料リスト

ニカラグァ北部太平洋岸地域防災森林管理計画事前調査回収資料リスト

INAFOR: Instituto Nacional Forestal, Gobierno de Nicaragua

MAGFOR: Ministerio Agropecuario y Forestal, Gobierno de Nicaragua

MARENA: Ministerio del Ambiente y Recursos Naturales, Gobierno de Nicaragua

CONADES: Consejo Nacional de Desarrollo Sostenible

No	発行元	収集資料名	発行年	言語	形式
1	?	Politica de Desarrollo Forestal	Aug-00	西語	プリント 14ページ
2	Centro de Mejoramiento Genetico Banco de Semillas Forestales (CMG-BSF)	Mejores Semillas para Mayor Produccion Forestal: Plan operativo annual A_o 2000	?	西語	コピー 28ページ
3	Centro de Mejoramiento Genetico Banco de Semillas Forestales (CMG-BSF)	Plan Estrategico de Sostenibilidad	Jun.99	西語	コピー 12ページ
4	DANIDA	Plan Ambiental de Nicaragua	Jun-00	西語	コピー製本 119ページ
5	ESMAP/BANCO MUNDIAL, Programa de Modernizacion del Sector Dendroenergetico de Nicaragua	Diagnostico de los Aspectos Reglamentarios y Fiscales que Inciden Sobre la Lena Comercial en Nicaragua. Preparado por: Rogerio Carneiro de Miranda/PROLENA	Jun-98	西語	コピー製本 22ページ
6	ESMAP/BANCO MUNDIAL, Programa de Modernizacion del Sector Dendroenergetico de Nicaragua	Encuesta de Energia Domestica en el Sector Urbano de las Ciudades de Managua y Leon. Preparado por: Lic. Maria Engracia de Trinidad Prado/PROLENA	Sep-98	西語	コピー製本 35ページ
7	Estrategia	Plan de Accion Forestal, Documento Base	Aug-92	英語	コピー製本 90ページ
8	FAO	Anexos del Informe de la Mision de evaluacion conjunta de los Gobiernos de Nicaragua, del Reino de los Paises Bajos y de la FAO del PROYECTO GCP/NIC/023/NET	?	西語	コピー 75ページ
9	FAO	Informe de la Mision de evaluacion conjunta de los Gobiernos de Nicaragua, del Reino de los Paises Bajos y de la FAO del PROYECTO GCP/NIC/023/NET: Conservacion y Manejo de los Recursos Naturales de la Cordillera de los Maribios con Participacion campesina	Sep.99	西語	コピー 44ページ
10	Financiado por Banco Mundial	Leyes Forestales de Nicaragua	Dec-97	西語	製本127 ページ
11	Fundacion para el Desarrollo Socioeconomico y Sostenibilidad Ambiental	Recuperacion Agroecologica y Manejo de Ecosistemas de la Cuenca de San Francisco Libre Tras Los Danos Dejadados por el Huracan Mitch	Dec.99	西語	コピー製本 57ページ
12	INAFOR	Recomendaciones Tecnicas al Programa de Forestacion y Proteccion para Rehabilitacion del Area Rural de los Municipios de Posoltega, Quezalguaque y Telica Afectada por el Huracan Mitch	Aug.99	西語	コピー 24ページ
13	Instituto Nacional Forestal	Criterios Tecnicos para el Aprovechamiento Forestal	Dec-98	西語	プリント 4ページ
14	Instituto Nacional Forestal INAFOR	Regionalizacion Ecologica y Ecosistemas Forestales de Nicaragua	不明	西語	コピー製本 31ページ
15-1	La Gaceta No. 102	Ley No.290, Ley de Organizacion, competencia y Procedimientos del Poder Ejecutivo	Jun-98	西語 日語	コピー 3ページ
15-2	MAGFOR	Propuesta: Programa Nacional de Reforestacion para Nicaragua (Pronare)	Jun-98	西語	プリント 13ページ
15-3	MAGFOR	Programa de Reforestacion y Manejo de Bosques con Incentivos	Aug-98	西語	プリント 18ページ
16	MAGFOR	Normas para la Produccion y Comercializacion de Semillas y Plantas Forestales	Sep-98	西語	プリント 13ページ
17	MAGFOR	Programa de Reforestacion y Manejo de Bosques para la Generacion de Empleo, Divisas y Proteccion de Cuencas Mas Afectadas por el Huracan Mitch, Proyecto Nacional Forestal, MAGFOR/Banco Mundial	Sep-98	西語	コピー 4ページ

No	発行元	収集資料名	発行年	言語	形式
18	MAGFOR	Programa de Reforestacion y Manejo de Bosques para la Generacion de Empleo, Divisas y Proteccion de Cuencas Mas Afectadas por el Huracan Mitch, Proyecto Nacional Forestal, MAGFOR/Banco Mundial	Sep.98	西語	コピー 4ページ
19	MAGFOR	Programa Nacional de Reforestacion y Manejo de Bosques, Plan de Accion Inmediata, Preparado por Proyecto Nacional Forestal, MAGFOR/Banco Mundial	Sep-98	西語	コピー 10ページ
20	MAGFOR	Programa Nacional de Reforestacion y Manejo de Bosques, Plan de Accion Inmediata, Preparado por Proyecto Nacional Forestal, MAGFOR/Banco Mundial	Sep.98	西語	コピー 10ページ
21	MAGFOR	Regionalizacion Biofisica para el Desarrollo Agropecuario Departament de Chinandega	Sep-99	西語	製本 162ページ
22					
23	MAGFOR	Regionalizacion Biofisica para el Desarrollo Agropecuario Departament de Leon	Sep-99	西語	製本 179ページ
24	MAGFOR	Regionalizacion Biofisica para el Desarrollo Agropecuario Departament de Leon	Sep.99	西語	製本 179ページ
25	MAGFOR	Resumen de Subproyectos Propuestos para la Aprobacion del Comite de Direccion del PROFOR	Jun.00	西語	コピー製本 107ページ
26	MAGFOR, MARENA, CONADES	Lineamientos Estretegicos para el Plane de Restauracion y Defensa del Patrimonio Forestal Nacional (Borrador Preliminar)	Dec-98	西語	コピー 12ページ
27	MAGFOR	Nicaragua, Potencialidades y Limitaciones De sus Territorios	Oct-97	西語	コピー製本 170ページ
28					
29	MAGFOR, Proyecto de Promocion de la Inversion en Foresteria Sostenible (PROFOR)	Porpuesta para el Comite de Coordinacion Forestal, Manual de Operaciones, Procedimientos para la implementacion, monitoreo y evaluacion para el fortalecimiento de la foresteria sostenible al sector privado y la reforma politica e institucional del sector forestal. (Revision, borrador)	Mar-99	西語	コピー 29ページ
30	MAGFOR, Proyecto de Promocion de la Inversion en Foresteria Sostenible (PROFOR)	Porpuesta para el Comite de Coordinacion Forestal, Reglamento Operative Subproyectos de Emergencia y Reconstruccion (Borrador Preliminar)(Anexo del Manual Operativo)	Mar-99	西語	コピー 7 ページ
31	MAGFOR, Unidad de Estudios Territoriales, Proyecto de Regionalizacion Biofisica (FOSEMAG-BID)	Estudio de Ordenamiento deCuencas Hidrograficas de la Region de Las Segovias (Esteli, Madriz y Nueva Segovia), Resumen Ejecutivo (Borrador Preliminar)	Mar-00	西語	コピー製本 92ページ
32					
33	MAGFOR/BANCO MUNDIAL, Proyecto Forestal de Nicaragua, Elaborado por Norman Jones, Consultor Silvicultural	Informe sobre el Mejoramiento Tecnologico para la Reforestacion en Nicaragua		西語	コピー 20ページ
34	MAGFOR/PROFOR/FAO	Diagnostico Rapidp Rural Participativo de la Microcuenca I	Apr.00	西語 日語	コピー製本 15ページ
35	MAGFOR/PROFOR/FAO	Diagnostico Rapidp Rural Participativo de la Microcuenca II	May.00	西語	コピー製本 27ページ
36	MAGFOR/PROFOR/FAO	Diagnostico Rapidp Rural Participativo de la Microcuenca III	May.00	西語	コピー製本 13ページ
37	MAGFOR/PROFOR/FAO	Diagnostico Rapidp Rural Participativo de la Microcuenca IV	May.00	西語	コピー製本 19ページ
38	MAGFOR/PROFOR/FAO	Informe Trimestral: Marzo-Mayo 2000	Jun.00	西語	コピー 15ページ
39	MAGFOR/PROFOR/FAO	Rehabilitacion de 4 Microcuencas Afectadas por el Huracan Mitch, en los Minicipios de: Posoltega, Quezalguaque y Telica	?	西語	コピー 10ページ (翻訳済)
40	MARENA	Anexos de la Politica Ambiental de Nicaragua, Borrador (Del Primer Documento de Trabajo para Revision)	Jun-00	西語	コピー製本 15ページ
41	MARENA	Biodiversidad en Nicaragua	99	西語	コピー 463ページ (抜粋)

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43	MARENA	Especies para Reforestacion en Nicaragua	...1995	西語	コピー製本 185ページ
44	MARENA	Normas Tecnicas y Desposiciones Administrativas para el Aprovechamiento Forestal	Mar-97	西語	プリント 22ページ
45	MARENA	Política Ambiental de Nicaragua: Borrador (Primer documento de trabajo para revision)	Jun.00	西語	コピー製本 15ページ (翻訳済)
46	MARENA	Propuesta:Guia para elaboracion del Plan General de Manejo en el Bosque Tropical Seco con Enfasis en la Produccion Energetica	Sep-97	西語	コピー製本 28ページ
47	MARENA	Sistema de Informacion de Biodiversidad Recursos Naturales y Areas Protegidas	May-99	西語	コピー製本 17ページ
48	MARENA	Vision, Mision, Objetivos, Funciones y Organizacion Institucional	Sep-96	西語	プリント 17ページ
49	Ministerio de Agricultura y Ganaderia	Ley de Produccion y Comercio de Semillas y su Reglamento	Feb-98	西語	プリント 27ページ
50	Ministerio de Agricultura y Ganaderia MAG-FOR	Programa de Reforestacion y Manejo de Bosques para la Generacion de Empleo, Divisas y Proteccion de Duencas Mas Afectadas por el Huracan Mitch	Nov-98	西語	プリント 5ページ
51	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Achuapa	99	西語	製本 79ページ
52	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Chinandega	99	西語	製本 95ページ
53	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: El Castillo	99	西語	製本 95ページ
54	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: El Sauce	99	西語	製本 49ページ
55	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Leon	99	西語	製本 118ページ
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57	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Posoltega	99	西語	製本 94ページ
58	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Puerto Morazan	99	西語	製本 99ページ
59	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: San Carlos	99	西語	製本 106ページ
60	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Somotillo	99	西語	製本 62ページ
61	Nitlapan-UCA/CIFOR/PROTIERRA-INIFOM	El Papel de los Gobiernos Municipales en la Gestion de los Recursos Naturales: Villanueva	99	西語	製本 83ページ
62	Pascal Elegeert y Saul Padilla (IDR/FAO/Holanda/GCP/NIC/023/NET)	Los Sistemas Silvopastoriles, Proyecto "Los Maribios"	May-97	西語	製本 41 ページ
63	Proyecto "Los Maribios" IDR/FAO/Holanda/GCP/NIC/023/NET	Manual de Educacion Ambiental de Apoyo al Maestro de le Escuela Rural	Aug-99	西語	製本 129 ページ
64	Proyecto PROCASITAS	Plan Operativo 2000-2001	Mar.00	西語	コピー 30ページ
65	Publicacion patrocinada por la Agencia Canadiense para el Desarrollo Internacional (ACDI)	La Comercializacion de la Lena Dentra de un Marco Sostenible	Sep-98	西語	コピー製本 111ページ

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66	Republica de Nicaragua	Nicaragua: Huracan Mitch Danos, Costos, Acciones de Rehabilitacion del Gobierno y la Cooperacion Internacional	May-99	西語	コピー 63ページ
67	Saul Padilla (IDR-FAO-Holanda GCP/NIC/023/NET)	Proyecto "Los Maribios" Ordenamiento Territorial dela Finca	Jul-97	西語	製本 18 ページ
68	Saul Padilla y Diogenes Cubero (IDR/FAO/Holanda/GCP/NIC/023/NET)	Manejo de Suelos para Producir mas sin Destruir	Jul-97	西語	製本 28 ページ
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72	Willian M. Ciesla, The University of Greenwich	Forest Fire Management: Assessment of Present Country Capacity and Needs for Additional Inputs	Jan-97	英語	コピー製本 69ページ
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74	IRENA	Esquema de Ordenamiento Ambiental del Territorio, Plan de Accion Forestal, Documento Base	Nov-92	西語	製本 82ページ