

5-3-9 Cultivation Fishery Promotion Program (Long-term)

(1) Objectives

The commercially important fisheries resources on Costa Rica's Pacific coast is decreasing. The recovery of the natural resources will still take a substantial amount of time. It will also be difficult to reinforce fisheries regulations and to reduce the number of fishing vessels. Therefore, artificial means will be used to increase fishery resources, preserve and restore the fishing grounds. Fish cultivation will be promoted to restore the country's coastal fisheries resources.

(2) Basic concept

The seeds for fish and shellfish will be mass produced artificially. After these seeds are cultivated to the stage where the mortality is minimal, they will be released in waters conducive for the natural growth of these fish and shellfish. Then after reaching a certain size, they will be taken as fish catches.

(3) Procedures

In order to quickly establish an efficient fish cultivation operation, the most suitable species will be selected according to the area's natural sea conditions and trends in supply and demand.

To develop the seeds production technology, it will be

necessary to accurately estimate and analyze the production costs and to study the structure, scale, and arrangement of land-bound facilities. The cultivation of live feed must be studied and the technology for cultivating larvae (intermediate cultivation) in sea-bound facilities must be established.

It will be necessary to split the burden by having the national government develop the basic technology for fish cultivation and having the provincial governments develop applications. In order to develop the fish-releasing technology for migratory species, it will be essential to research the migration ecology.

5-4 Planning by Year Cycle

Plan	Year																			
	Short Term Program					Medium Term Program					Long Term Program					Term Program				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Model Fishing Village Improvement Program (Playas del Coco or an adjacent village)																				
Fishing Village Improvement Program
Fishermen Education and Training Program (Fishermen Training Program)
Fishermen Training Program
Promotion of Fisheries Cooperatives
Development of unexploited Fisheries Resources
Marine Product Processing Program
Marine Products Distribution Reform
Aquaculture Promotion Program
Cultivation Fishery Promotion Program

..... Preparation Execution Expansion

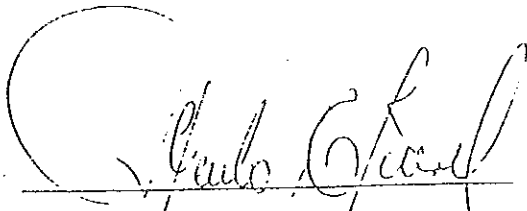
Supplement Materials

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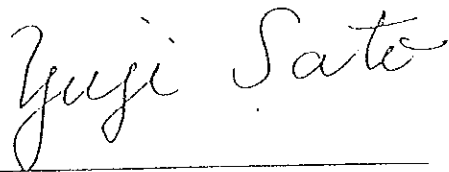
SCOPE OF WORK
FOR
THE FISHERIES RESOURCES SURVEY
OFF THE PACIFIC COAST
IN
THE REPUBLIC OF COSTA RICA

AGREED UPON BETWEEN
MINISTERIO DE AGRICULTURA Y GANADERIA
AND
JAPAN INTERNATIONAL COOPERATION AGENCY

San José, July 15, 1986



Ing. Alberto Esquivel VOLIO
MINISTRO DE AGRICULTURA Y
GANADERIA



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LEADER OF THE PRELIMINARY
STUDY TEAM,
JAPAN INTERNATIONAL
COOPERATION AGENCY

I. INTRODUCTION

In response to the request of the Government of the Republic of Costa Rica (hereinafter referred to as "Costa Rica"), the Government of Japan decided to conduct the Fisheries Resources Survey off the Pacific Coast in the Republic of Costa Rica (hereinafter referred to as "the Survey") in accordance with the Agreement on Technical Cooperation between the Government of Japan and the Government of Costa Rica signed on May 24, 1985 (hereinafter referred to as "the Agreement").

The 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 Survey, in close cooperation with the authorities concerned of Costa Rica.

The present document sets forth the scope of work with regard to the Survey.

II. OBJECTIVES OF THE SURVEY

The objectives of the Survey are as follows:

1. To conduct the oceanographic survey along the north-west coast of Costa Rica, from Cabo Blanco to Bahía Santa Elena, set as a model area so as to effectively and rationally utilize potentially exploitable fisheries resources;
2. to assess the distribution and abundance of the economically important demersal fish communities within the patrimonial waters off the northern Pacific coast of Costa Rica, including the continental shelves, their slopes and adjacent banks;
3. to formulate a development program for improvement of infrastructure including fishing ports and distribution channels, and for reinforcement of fisheries activities, taking the need into consideration to promote rational utilization of the demersal fish resources.

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III. OUTLINE OF THE SURVEY

1. Resource assessment program

1) Survey Area

The continental shelves, their slopes and several adjacent banks in north area of Cabo Blanco off the northern Pacific coast of Costa Rica within the limits of operation of the survey vessel.

2) Base Port

Puntarenas will be the base port, and Cuajiniquil, Coco and Sámara will be used as supply facilities.

3) Survey Vessel

The survey will be conducted by a survey vessel prepared by JICA.

2. Inland survey

To conduct the survey on the available infrastructure, fisheries organization and distribution channels to improve the utilization of fisheries resources extracted from the area.

3. Contents of the Survey

1) Oceanographic Survey

a) To undertake experimental surveys in predetermined locations by means of bottom dragnets to assess the potential of demersal fish resources,

b) to conduct the elaborated survey covering the demersal fish communities based on the results from the experimental surveys.

Note: Disposal of Fish Catch

All fish caught in the course of the exploratory study, except those which may be needed for studies or those consumed aboard, shall be handed over to the Costa Rican scientific institution responsible for the conduct of the survey.

2) Inland Survey

a) Field surveys for gathering information needed to carry out the oceanographic survey effectively,

b) survey of present distribution channels, available infrastructure, and organization of fisheries.

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IV. MANAGERIAL ORGAN

A Coordination Committee composed of representatives of authorities and officers concerned of Costa Rica and JICA, will be established for detailed planning, evaluation, and orientation related to the Survey.

The Committee will be held at least once a year in order to review the progress of the Survey and to analyze related matters.

V. WORK SCHEDULE

The whole work will be carried out in accordance with the attached tentative schedule.

VI. REPORTS

JICA shall prepare and submit the following reports in English to the Government of Costa Rica.

1. Inception Report

Ten (10) copies

At the beginning of the first inland survey

2. Progress Report

Ten (10) copies

At the beginning of the second inland survey

3. Interim Report

Ten (10) copies

At the beginning of the third inland survey

4. Draft Final Report

Ten (10) copies

Within four (4) months after the end of the oceanographic survey.

The Government of Costa Rica will provide JICA with its comments within one (1) month after the receipt of the Draft Final Report.

5. Final Report

Thirty (30) copies

Within two (2) months after the receipt of the Costa Rican Government's comments on the Draft Final Report.

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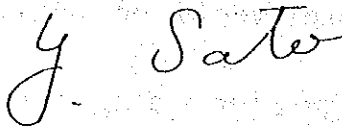
VII. UNDERTAKING OF THE GOVERNMENT OF COSTA RICA

1. In order to facilitate smooth conduct of the Survey, the Government of Costa Rica will accord privileges, exemptions and other benefits to the Japanese survey team in accordance with the Agreement and shall take necessary measures:

- 1) To secure the safety of the Japanese survey team, the survey vessel and equipment;
- 2) to permit the members of the Japanese survey team to enter, leave and sojourn in Costa Rica for the duration of their assignment therein, and exempt them from alien registration requirements and consular fees;
- 3) to exempt the members of the Japanese survey team from taxes, duties and other charges on equipment, machinery and other materials brought into Costa Rica for the conduct of the Survey;
- 4) to exempt the survey vessel from all port charges and the members of the Japanese survey team from income tax and other charges of any kind imposed on/in connection with any emoluments or allowances paid to the members of the Japanese survey team for their services in connection with the implementation of the Survey;
- 5) to provide necessary facilities to the Japanese survey team for remittances as well as utilization of the funds introduced into Costa Rica from Japan in connection with implementation of the Survey;
- 6) to provide effective means of communications to and from the survey vessel in accordance with the laws and registrations of Ministerio de Obras Públicas y Transportes;
- 7) to secure permission for entry into private properties or restricted areas for the conduct of the Survey;
- 8) to secure permission for the Japanese survey team to take all data and documents (including photographs) related to the Survey out of Costa Rica to Japan;
- 9) to provide the medical services as needed. Its expenses will be chargeable on the members of the Japanese survey team;
- 10) to provide adequate mooring site for the survey vessel.

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2. The Government of Costa Rica shall bear claims, if any arises against members of the Japanese survey team resulting from, occurring in the course of, or otherwise connected with the discharge of their duties in the implementation of the Survey, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Japanese survey team.
3. Ministerio de Agricultura y Ganaderia (hereinsfter referred to as "MAG") and Universidad de Costa Rica (Centro de Investigacion en Ciencias del Mar y Limnologia, CIMAR) shall act as counterpart agencies to the Japanese survey team and also Ministerio de Planificación Nacional y Política Económica as coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Survey.
4. MAG shall, at its own expense, provide the Japanese survey team with the following, in connection with other related organizations:
 - 1) Available data and information related to the Survey;
 - 2) counterpart personnel;
 - 3) suitable office space with necessary equipment in San José and Puntarenas;
 - 4) credentials or identification cards;
 - 5) small boats, vehicles, if necessary arises.


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VIII. UNDERTAKING OF JICA

For the implementation of the Survey, JICA shall take the following measures:

1. To dispatch, at its own expense, survey teams to Costa Rica;
2. to prepare a survey vessel, materials and equipment necessary for the execution of the Survey, which will be under the supervision of the Japanese survey team;
3. To bear necessary costs of the survey vessel including those of fuel, lubricating oil, potable water and those of its repairs and maintenance;
4. to pursue technology transfer to the Costa Rican counterpart personnel in the course of the Survey.

IX. JICA and MAG shall consult with each other in respect of any matter that may arise from or in connection with the Survey.

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TENTATIVE SCHEDULE

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Work in Japan																								
1) Development Program																								
2) Oceanographic Survey																								
Work in Costa Rica																								
1) Inland Survey																								
(a) Development Program																								
(b) Field Survey																								
2) Oceanographic Survey																								
Submission of Report																								
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Inception Report																								
Progress Report																								
Interim Report																								
Draft Final Report																								
Final Report																								

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Supplement Materials 2

Members of Advisory Committee and Survey Team

1. Advisory Committee

Name	Field in Charge	Position
Norio OTURU	Leader	Japan International Cooperation Agency (JICA)
Tadahiro KITAJIM	Fisheries Resources Survey (Work I)	"
Hiroshi HATANAKA	" (")	"
Yoshiaki MATSUDA	Survey on Fisheries Development Program (WORK II)	"

2. Survey Team

Name	Field in Charge	Position
Kunio NAKAMURA	Leader	Nichiro Fisheries Co., Ltd.
Sukekata ITO	Analysis of Fisheries Resources	"
Akira UEKI	Boarding Officer	"
Eihiko NISHIMORI	"	"
Shizuya YAHAGI	Fisheries Economy	"
Sadao YAMAMURA	Marketing	"
Eiji KOTSUJI	Fish Processing	"
Akira YUGI	Ship Building	"
Ryosuke YUKI	Marketing	"

Supplement materials 3 List of Interviewed Persons (1)

A u t h o r i t y	S t a t u s	N a m e
Ministerio de Agricultura y Ganadería	Vice-Ministro	Ing. Osvaldo Pandolfo Rímolo
	Asistente del Ministro	Sra. Karen Christiana Figueres
	Coodinador Nacional de Pesca	Ing. Adrián Castro González
Dirección General de Recursos Pesqueros y Acuicultura	Director General	Ing. Eduardo Bravo Perez
	Sub-Director General	M.Sc. Herbert Nanne Echandi
	Jefe del Departamento de Pesca y Caza Marítima	M.Sc. Eduardo Madrigal Abarca
	Jefe de la Oficina Regional de Puntarenas	M.Sc. Francisco Carranza Picado
Universidad de Costa Rica	Jefe de la Oficina Regional de Liberia	M.Sc. Ricardo Gutiérrez V.
	Vicerrector	Ph.D. Primo L. Chavarria
	Director de la Escuela de Biología	Dr. Carlos R. Villalobos S.
C I M A R	Director	Dr. Manuel M. Murillo
	Oceanógrafo	Dr. José A. Vargas
		M.Sc. Jorge Campos

Supplement materials 3 List of Interviewed Persons (2)

A u t h o r i t y	S t a t u s	N a m e
Ministerio de Obras Públicas y Transportes	Director General (Dirección General de Obras Portuarias)	Sr. Alfredo Wesson
	Jefe de Planificación Portuaria (Dirección General de Obras Portuarias)	Sr. Edwin G. Rodríguez
Ministerio de Plani- ficación Nacional y Política Económica (M I D E P L A N)	Director Regional de Guanacaste	Sr. Luis Navarro Rucavado
	Sub-Director	Sr. Mauren Dallastero Agrona
Instituto de Fomento y Asesoría Municipal (I F A M)	Jefe del Departamento Territorial	Sr. Eduardo Chinchilla D.
Instituto Costarri- cense de Turismo (I C T)	Gerente del Departamento de Recursos Turísticos	Sr. Roberto Chaverri Pattison
	Gerente del Departamento de Servicios Turísticos	Sr. Hugo H. Murillo Gutiérrez
Instituto Nacional de Aprendizaje (I N A)	Sub-gerente Técnico	Sr. Luis Fernando Ramírez
	Director de Centro Náutico Pesquero en Puntarenas	Sr. Pablo Vargas Rodríguez

Supplement materials 3 List of Interviewed Persons (3)

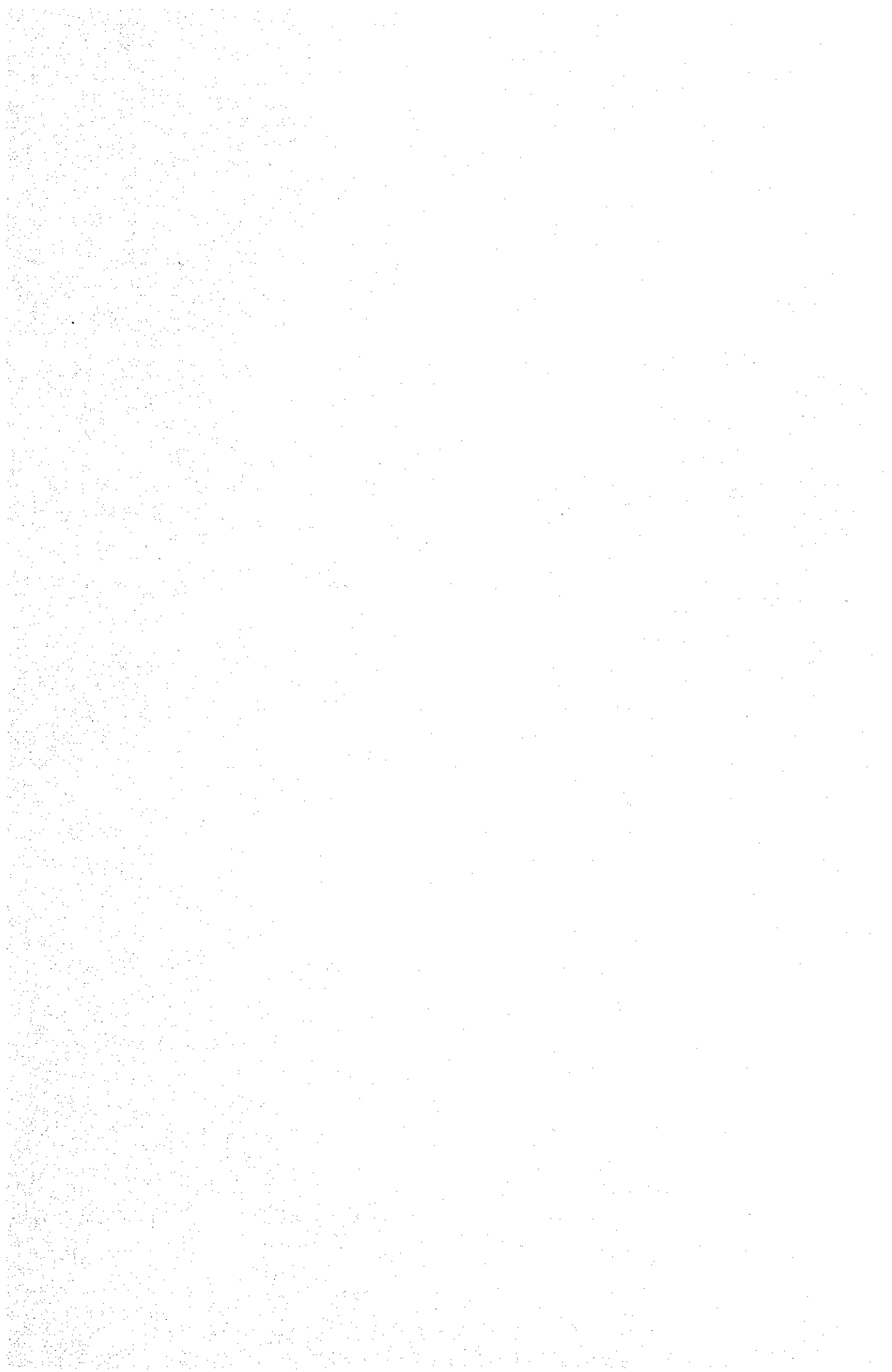
A u t h o r i t y	S t a t u s	N a m e
Instituto Nacional de Fomento Cooperativo (I N F O C O O P)	Sub-director Ejecutivo	Sr. Ulises Alfaro Portuguez
Dirección General de Estadística (S E P S A)	Secretaria Ejecutiva de Planificación Agropecuaria	Sra. Lucía Chinchilla Fonseca
Banco Centroamericano de Integración Económica	Jefe de la Oficina Regional para Costa Rica	Sr. Alberto García Dobles
Instituto de Cooperación Iberoamericana	Experto en Recursos Biologicos	Sr. José Luis Muñoz García
	Experto en Comercialización	Sr. Francisco J. Martínez Castellano
Federación de Cooperativas de Pescadores, R.L. (F E D E P E S C A)	Presidente	Sr. Jorge Barrantes Gamboa
	Director	Sra. Victoria Domingo Mora
Organización Regional de Cooperativas de Pesca R.L. (O R C O O P E S)	Presidente	Sr. Felix Ledezma Aguilar
	Gerente General	Sr. Edgar Arce Arce

Supplement materials 3 List of Interviewed Person (4)

A u t h o r i t y	S t a t u s	N a m e
Asociación de Pescadores del Coco R.L. (A S O P E S C A)	Presidente	Sr. Víctor Campos Castro Sra. Jannete Ortega Ortega
Comité Pre-cooperativo de Pescadores del Coco	Presidente Gerente General	Sr. Claudio Rojas Campos Sr. Mario Ruiz García
(Major Brouker) Coopemontecillos R.L.	Gerente División Pesca	Sr. Guillermo Herrera Castro
Expun S.A.	Presidente	Sr. L. Héctor Fernández L.
(Major Processor) Talmana S.A.	Presidente	Sr. Hermes Navarro
Proamarpa S.A.	Presidente	Sr. Calixto Alexis Gutierrez J.
(Ships Biulder) Cámara Puntarenense de Pescadores	Presidente	Sr. Alvaro Moreno Borrásé
Fibro Plástico S.A.	Presidente	Sr. Bernardo Quevedo A.
Astilleros Centro-americanos, S.A.	Presidente	Sr. Claudio A. Ortiz Guier

PROVISIONS OF THE CONSTITUTION OF THE UNITED STATES

ARTICLE I	SECTION 1	SECTION 2	SECTION 3
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