

## APPENDICES

1. Member List of the Survey Team	.....	A- 1
2. Survey Schedule	.....	A- 2
3. List of Party Concerned in the Recipient Country	.....	A- 7
4. Minutes of Discussions	.....	A- 8
5. Other Relevant Data	.....	A - 28
6. References	.....	A - 37



## 1. Member List of the Survey Team

### (1) Members for site survey

Leader	Mr. WATANABE Hiromoto	Fisheries Planning Officer, International Affairs Division, Fisheries Agency
Technical Advisor	Mr. NAKAYAMA Akiyoshi	Head of Hydraulics on Fishing Port Lab., National Research Institute of Fisheries Engineering, Fisheries Agency
Chief consultant/ Fishing port planner	Mr. IIDA Kazumi	Overseas Agro-Fisheries Consultants Co., Ltd.
Facilities rehabilitation planner	Mr. OTSUKA Natsuhiko	Overseas Agro-Fisheries Consultants Co., Ltd.
Port engineer	Dr. SATO Shoji	TETRA Co., Ltd.
Wave condition analyst	Mr. SATO Katsuhiro	TETRA Co., Ltd.
Natural condition surveyor	Mr. TAKAHASHI Akiyoshi	Overseas Agro-Fisheries Consultants Co., Ltd.

### (2) Members for explanation of draft final report

Leader	Mr. KINOSHITA Masashi	Deputy Director, Second Project Management Division Grant Aid Project Management Department, JICA
Technical advisor	Mr. WATANABE Hiromoto	Fisheries Planning Officer, International Affairs Division, Fisheries Agency
Chief consultant/ Fishing port planner	Mr. IIDA Kazumi	Overseas Agro-Fisheries Consultants Co., Ltd.
Facilities rehabilitation planner	Mr. OTSUKA Natsuhiko	Overseas Agro-Fisheries Consultants Co., Ltd.
Port engineer	Dr. SATO Shoji	TETRA Co., Ltd.

## 2. Survey Schedule

### (1) Mission for Site survey

			Activities	
			Official members	Consultant members
1	Aug. 16	Sun.	Left Tokyo	Left Tokyo (Iida, Otsuka)
2	Aug. 17	Mon.	Arrived Trinidad for courtesy call to the Embassy of Japan	Same as official members (Iida, Otsuka) Left Tokyo for Dominica (Sato/S., Sato/K., Takahasi, Yamamoto)
3	Aug. 18	Tues.	Arrived in Dominica	Arrived in Dominica.
4	Aug. 19	Wed.	Made a courtesy call to the Ministry of Agriculture and Environment (MoAE), Fisheries Department and other relevant authorities. - explanation inception report. - Arrangement of the study schedule	Same as official members  Preparation for wave data collection. (Takahashi)
5	Aug. 20	Thurs	Site survey	Site survey Collection of wave data from the wave-recorders and reset of the recorders. Preparation of natural condition survey, bottom sounding (contracting). (Iida, Takahasi)
6	Aug. 21	Fri.	Meeting and discussion with the Fisheries Department	Same as official members Survey the project site Observation of waves in/out of the site (Takahasi, Sato/K) Bottom sounding (Takahasi)
7	Aug. 22	Sat.	Meeting and discussion with the Fisheries Department	Same as official members Observation of waves in/out of the site (...Ditto...) Bottom sounding (...Ditto...)
8	Aug. 23	Sun.	Meeting within the team	Same as official members
9	Aug. 24	Mon.	Discussion with MoAE, the Fisheries Department	Same as official members Observation of waves in/out of the site (...Ditto...) Bottom sounding (...Ditto...)
10	Aug. 25	Tues.	Signed the Minutes of Discussions and left for Trinidad (Watanabe)  Left Dominica for Japan (Nakayama)	- Survey on the existing port facilities including the commercial port. Observation of waves in/out of the site (...Ditto...) Bottom sounding (...Ditto...)
11	Aug. 26	Wed.	Reported the result to the Embassy of Japan in Trinidad (Watanabe) and left for Japan	- Survey the project site Observation of waves in/out of the site (...Ditto...) Bottom sounding (...Ditto...)

12	Aug. 27	Thurs.	Arrived at Tokyo (Nakayama)	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ maintenance of the Complex</li> <li>Observation of waves in/out of the site (...Ditto...)</li> <li>Bottom sounding (...Ditto...)</li> </ul>
13	Aug. 28	Fri.	Arrived at Tokyo (Watanabe)	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ maintenance of the Complex</li> <li>Observation of waves in/out of the site (...Ditto...)</li> <li>Bottom sounding (...Ditto...)</li> </ul>
14	Aug. 29	Sat.	- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ maintenance of the Complex	<ul style="list-style-type: none"> <li>Observation of waves in/out of the site (...Ditto...)</li> <li>Bottom observation and bottom soil sampling (...Ditto...)</li> </ul>
15	Aug. 30	Sun.	Meeting within the team	
16	Aug. 31	Mon.	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ maintenance of the Complex</li> <li>- Meeting with the Ministry of Communication and Works (MoCW) to discuss and collection data on construction.</li> </ul>	<ul style="list-style-type: none"> <li>Observation of waves in/out of the site</li> <li>Bottom observation and bottom soil sampling (...Ditto...)</li> </ul>
17	Sep. 1	Tues.	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ management of the Complex</li> <li>- Meeting with MoCW to discuss and collection data on construction.</li> </ul>	<ul style="list-style-type: none"> <li>Observation of waves in/out of the site</li> <li>Bottom observation and bottom soil sampling (...Ditto...)</li> </ul>
18	Sep. 2	Wed.	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ management of the Complex</li> <li>- Data collection of construction material and Laws and regulations for the Project</li> </ul>	<ul style="list-style-type: none"> <li>Observation of waves in/out of the site</li> <li>Bottom observation and bottom soil sampling (...Ditto...)</li> </ul>
19	Sep. 3	Thurs.	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ management of the Complex</li> <li>- Surveys on construction machines, material and labor force, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Observation of waves in/out of the site</li> <li>Bottom observation and bottom soil sampling (...Ditto...)</li> </ul>
20	Sep. 4	Fri.	<ul style="list-style-type: none"> <li>- Survey and data collection at Fisheries Department on the fishing /marketing and operation/ management of the Complex</li> <li>- Surveys on construction machines, material and labor force, etc.</li> </ul>	Collection of meteorological data

			Observation of waves in/out of the site (..Ditto...)
21	Sep. 5	Sat.	- Surveys on construction machines, material and labor force, etc. - Collection data for estimation of construction cost. Collection of meteorological data Observation of waves in/out of the site (..Ditto...)
22	Sep. 6	Sun.	Meeting within the team
23	Sep. 7	Mon.	- Collection data for estimation of construction cost - Meeting with MoCW to discuss and collection data on construction. Collection of meteorological data Observation of waves in/out of the site (..Ditto...)
24	Sep. 8	Tues.	- Collection data for estimation of construction cost Final meeting with MoAE, the Fisheries Department and MoCW. Collection of meteorological data Observation of waves in/out of the site (..Ditto...)
25	Sep. 9	Wed.	Left Dominica for Japan (Sato/S., Sato/K., Yamamoto) Left Dominica for Trinidad.(Iida, Otsuka) Collection of data from wave-recorders and reset. Observation of waves in/out of the site (..Takahasi...)
26	Sep. 10	Thurs	Report to the Embassy of Japan in Trinidad. (Iida, Otsuka) Observation of waves in/out of the site (..Ditto...)
27	Sep. 11	Fri.	Left Trinidad for Japan (Iida, Otsuka) Arrived at Tokyo (Sato/S., Sato/K., Yamamoto) Observation of waves in/out of the site (..Ditto...)
28	Sep. 12	Sat.	Observation of waves in/out of the site (..Ditto...)
29	Sep. 13	Sun.	Arrived at Tokyo (Iida, Otsuka) Observation of waves in/out of the site (..Ditto...)
30	Sep. 14	Mon.	Observation of waves in/out of the site (..Ditto...)
31	Sep. 15	Tues.	Observation of waves in/out of the site (..Ditto...)
32	Sep. 16	Wed.	Observation of waves in/out of the site (..Ditto...)
33	Sep. 17	Thurs	Observation of waves in/out of the site (..Ditto...)
34	Sep. 18	Fri.	Observation of waves in/out of the site (..Ditto...)
35	Sep. 19	Sat.	Collection of data from wave-recorders and reset the recorder. Collection of meteorological data Observation of waves in/out of the site (..Ditto...)

36	Sep. 20	Sun.	Observation of waves. Preparation of report.
37	Sep. 21	Mon.	Observation of waves. Preparation of report.
38	Sep. 22	Tues.	Observation of waves. Preparation of report.
39	Sep. 23	Wed.	Observation of waves. Preparation of report.
40	Sep. 24	Thurs.	Observation of waves. Preparation of report.
41	Sep. 25	Fri.	Observation of waves. Preparation of report.
42	Sep. 26	Sat.	Left Dominica for Japan (Takahasi)
43	Sep. 27	Sun.	
44	Sep. 28	Mon.	Arrived at Tokyo (Takahasi)

(2) Mission for explanation of Draft Final Report

	Date		Activities	
			Official members	Consultant members
1	Oct. 25	Sun	Departed from Tokyo	
2	26	Mon	Arrived in Trinidad. Visited to Embassy of Japan	
3	27	Tue	Left Trinidad and arrived in Dominica	
4	28	Wen	Courtesy call to the Ministry of Agriculture and Environment (MoAE) Had meeting with the Fisheries Development Division (FDD) to explain the draft final report.	
5	29	Thu	Had meeting with FDD to discuss basic design for the Project.	
6	30	Fri	Had meeting with FDD and signed the minutes.	
7	31	Sat	Made additional site survey. Left Doninica for Trinidad	
8	Nov. 1	Sun	Preparation of report	
9	2	Mon	Visited the Embassy of Japan to report and left Trinidad for Japan.	
10	3	Tue	Left New York for Tokyo.	
11	4	Wen	Arrived at Tokyo.	



### 3. List of Party Concerned in the Recipient Country

Hon. Julius Timothy	Acting Prime Minister and Minister of Finance, Industry and Planning
Hon. Norris M. Charles	Minister of Foreign Affairs, Trade and Marketing
Hon. Peter Carbon	Minister of Agriculture and the Environment
Hon. Romanus Bannis	Parliamentary Secretary, Ministry of Agriculture and the Environment
Mr. Elied Williams	Permanent Secretary, Ministry of Agriculture and the Environment
Ms. J. Clementine Josephs	Permanent Secretary, Ministry of Agriculture and the Environment
Mr. Nigel Lawrence	Chief Fisheries Officer, Fisheries Development Division, Ministry of Agriculture and the Environment
Mr. Andrew Magloire	Fisheries Officer
Mr. Harold Guise	Fisheries Officer
Mr. Algemon Philbert	Fisheries Officer
Mr. Norman Norris	Fisheries Officer
Mr. John Robin	Fisheries Officer
Mr. Algemon J. SIMON	Chief Technical Officer, Ministry of Communication, Works and Housing
Mr. TANAKA Yashuhiko	Ambassador extraordinary and plenipotentiary
Mr. SUWA Kiyosi	Counselor, Embassy of Japan
Mr. YAZAWA Kazuyuki	Second Secretary, Embassy of Japan
Mr. UEOKA Ryotato	JICA Fishery Expert (Fishery advisor)

#### **4. Minutes of Discussions**

**MINUTES OF DISCUSSIONS  
BASIC DESIGN STUDY ON  
THE PROJECT FOR REHABILITATION OF THE MOORING AREA  
AT ROSEAU FISHERIES COMPLEX  
IN THE COMMONWEALTH OF DOMINICA**

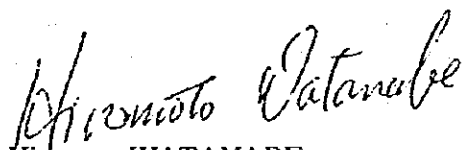
In response to the request from the Government of the Commonwealth of Dominica, the Government of Japan has decided to conduct a basic design study on the project for rehabilitation of the mooring area at Roseau Fisheries Complex (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (JICA).

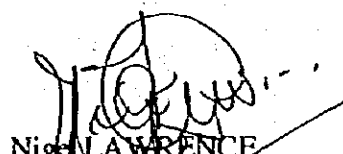
JICA has sent to the Commonwealth of Dominica a basic design study team (hereinafter referred to as "the Team"), which is headed by Mr. Hiromoto WATANABE, Fishery Planning Officer, International Affairs Division, Fisheries Agency. The Team is scheduled to stay in the country from 18 August to 21 September, 1998.

The Team held a series of discussions with the officials concerned of the Government of the Commonwealth of Dominica and conducted a field survey at the study area.

In the course of the discussions and field survey, both parties have confirmed the main items described on the attached sheets. The team will proceed to further works and prepare the Basic Design Study report.

Roseau, 25 August, 1998

  
Hiromoto WATANABE  
Leader,  
Basic Design Study Team,  
JICA

  
Nigel LAWRENCE  
Chief Fisheries Officer,  
Fisheries Development Division,  
Ministry of Agriculture and the Environment

## ATTACHMENT

### 1. Objective

The objective of the Project is to promote the utilization of the Roseau Fisheries Complex by rehabilitating the mooring area and relevant facilities at the Complex.

### 2. Project Site

The Project site is located in Roseau, the Commonwealth of Dominica.  
(The Project site is shown in ANNEX- I.)

### 3. Executing Agency

Responsible Agency : Ministry of Agriculture and the Environment  
Implementing Agency : Fisheries Development Division (F.D.D)  
(The organization chart is shown in ANNEX II.)

### 4. Items requested by the Government of the Commonwealth of Dominica

The items requested by the Government of the Commonwealth of Dominica are described in ANNEX III.

However, the final components of the Project will be decided after further studies.

### 5. Japan's Grant Aid System

- 1) The Government of the Commonwealth of Dominica has understood the system of the Japan's Grant Aid explained by the Team; main feature is described in ANNEX IV.
- 2) The Government of the Commonwealth of Dominica will take the necessary measures, described in ANNEX V for the smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.

### 6. Operation & Maintenance

The facility constructed under the Japan's Grant Aid shall be operated and maintained by the Fisheries Development Division, Ministry of Agriculture and the Environment, the Government of the Commonwealth of Dominica.

### 7. Further Schedule of the Study

- 1) The consultants will proceed to further studies in the Commonwealth of Dominica until 21 September, 1998.
- 2) On the basis of the Minutes of Discussions and technical examination of the study results, JICA will prepare the draft basic design and dispatch a team to the Commonwealth of Dominica around October 1998 in order to present the outline of the Draft Basic Design.

H. W.

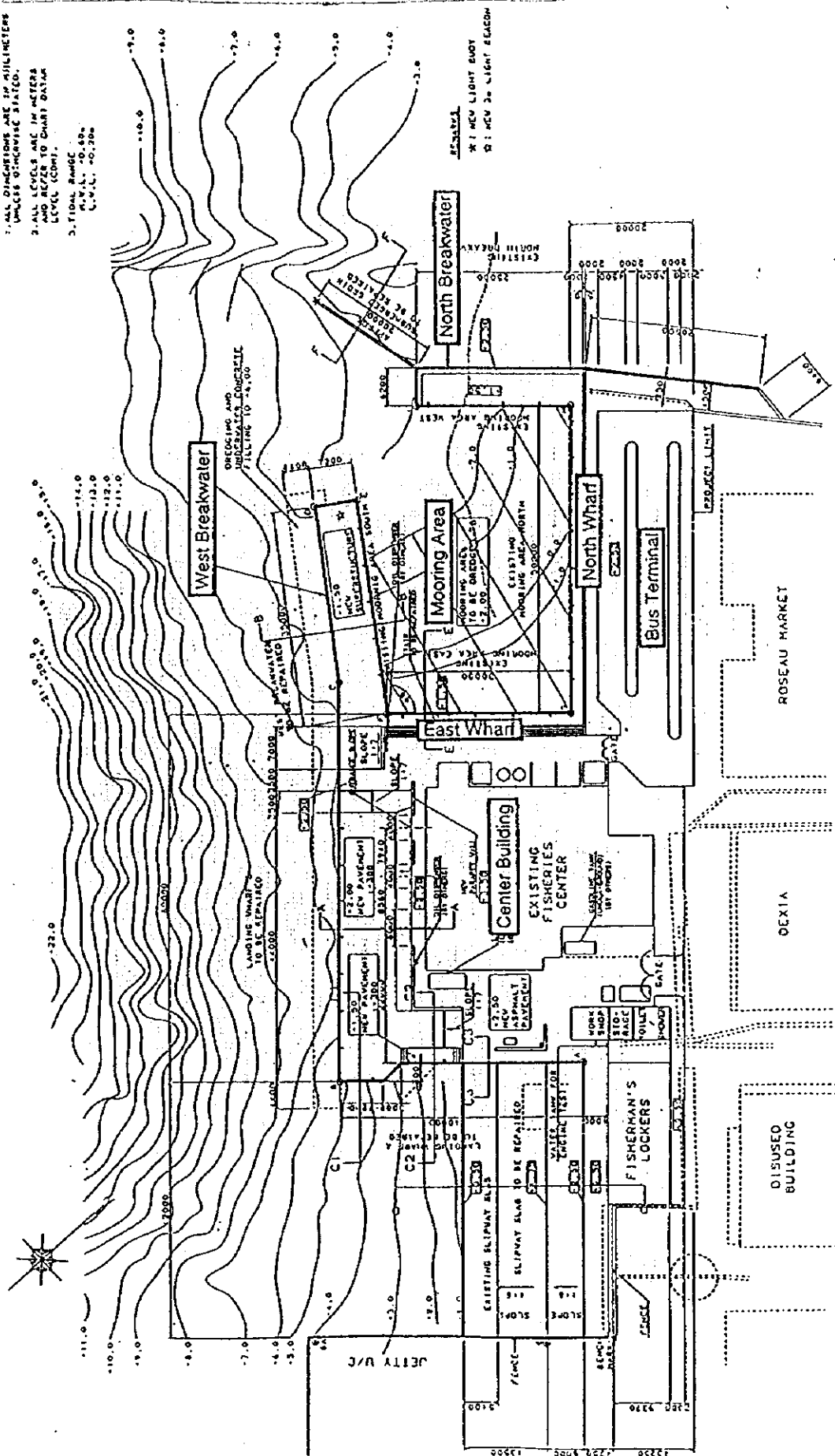


GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

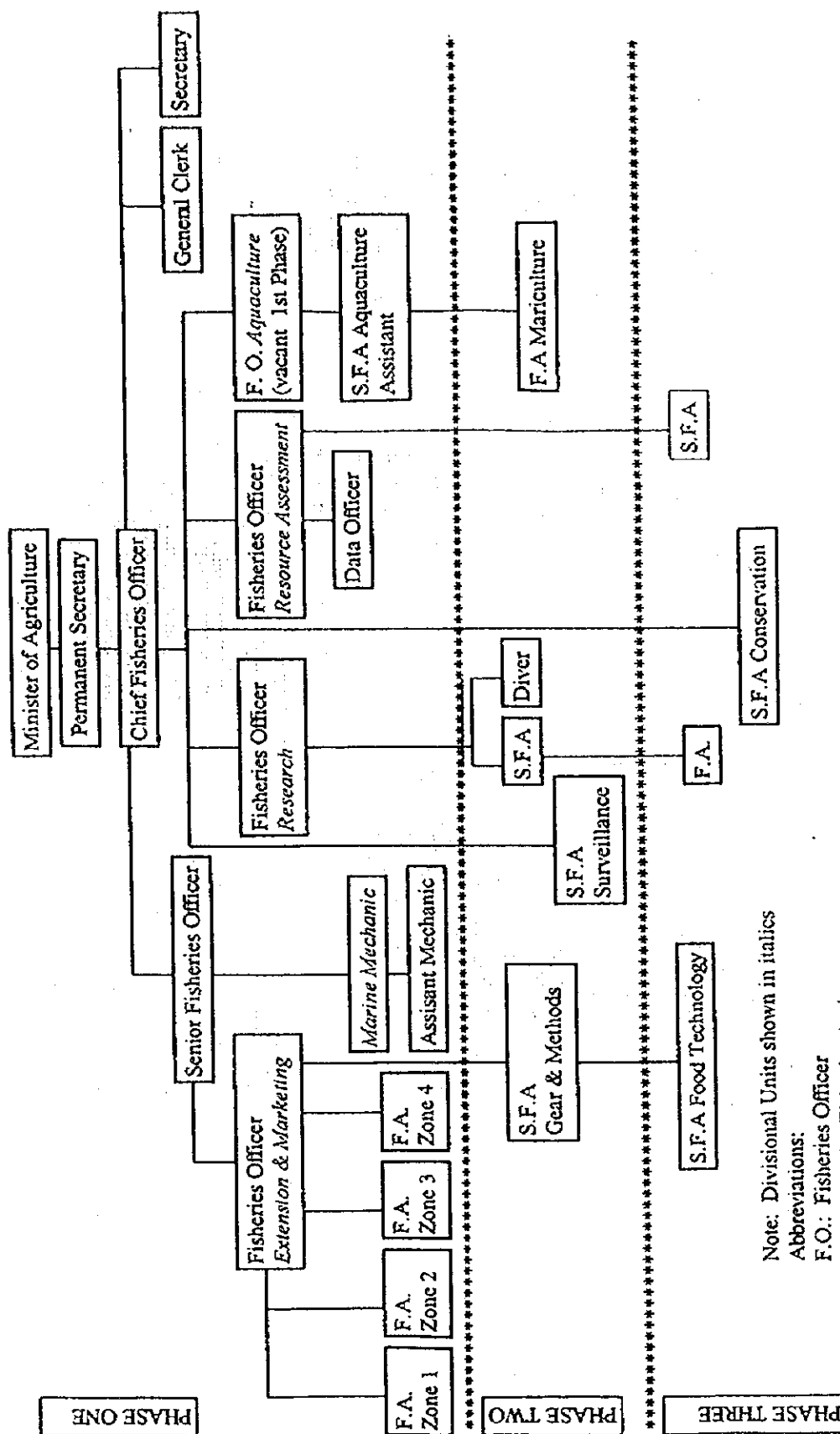
2. ALL LEVELS ARE IN METERS AND REFER TO CHART DATA LEVEL (COM).

3. TIDAL RANGE  
M.H.W. +0.40m  
L.W.L. +0.20m



## General Arrangement of ROSEAU FISHERIES COMPLEX

## ANNEX II. ORGANIZATION CHART



### **ANNEX III: ITEMS REQUESTED BY THE GOVERNMENT OF THE COMMONWEALTH OF DOMINICA**

The items requested by the Government of the Commonwealth of Dominica are as follows:

- 1) extension and appropriate modification of the breakwater(s) to decrease waves entering into the mooring area,
- 2) modification of the north wharf of the mooring area to incorporate wave-reduction function and structures and land-ward relocation of fence and related structures between the mooring area and the bus terminal,
- 3) to review/reassess/redesign the existing submerged groin to counter sand accretion in the mooring area by taking into account construction of groin(s) toward the mouth of the river,
- 4) extension of the bus terminal along the river bank to compensate the area lost by the addition of the wave reduction function and structures,
- 5) dredge sediments in the accreted mooring area to bring to original levels.

## ANNEX IV. JAPAN'S GRANT AID SCHEME

### 1 Japan's Grant Aid Scheme

#### 1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

#### 2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Program, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

#### 3) Period of the Grant

"The period of the Grant" means the one fiscal year which the Cabinet approves the Program for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

#### 4) Products, Services and Prime Contractors

Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

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

However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)



5) Necessity of "Verification"

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

6) Undertakings Required to the Government of the Recipient Country

Undertakings required to the government of the recipient country are as follows:

- a) to secure a lot of land necessary for the construction of the Program and to clear the site;
- b) to provide facilities for distribution of electricity, water supply, drainage and other incidental facilities outside the site;
- c) to ensure prompt unloading, tax exemption and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid;
- d) 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;
- e) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work;
- f) to ensure that the facilities constructed and products purchased under the Grant Aid be maintained and used properly and effectively for the Program; and
- g) to bear all the expenses other than those covered by the Grant Aid, necessary for the Program.

7) "Proper Use"

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

8) "Re-export"

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

9) Banking Arrangement (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a 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 the Government of the recipient country or its designated authority under the verified contracts.
- 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 recipient country or its designated authority.

2. Grant Aid Procedure

- 1) Japan's Grant Aid Program is executed through the following procedures.

Application	(Request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan & Approval by the Cabinet)
Determination of Implementation	(The Notes exchanged between the Governments of Japan and the recipient country)

- 2) Firstly, the application or request for a Grant Aid Program submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

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

Fourth, the program, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Government of Japan and the recipient country.

Finally, for the implementation of the program, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

### 3. Basic Design Study

#### 1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on the requested program (hereinafter referred to as "the Program"), is to provide a basic document necessary for the appraisal of the Program by the Government of Japan. Contents of the Study are as follows:

- a) confirmation of background, objectives and benefits of the Program and also institutional capacity of agencies concerned of the recipient country necessary for implementation of the Program;
- b) evaluation of appropriateness of the Program to be implemented under the Grant Aid Scheme from technical, social and economic points of view;
- c) confirmation of items agreed by both parties concerning a basic concept of the Program;
- d) preparation of a basic design of the Program; and
- e) estimation of costs of the Program.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid Program. The Basic Design of the Program is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Program. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Program. Therefore, the implementation of the Program is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

#### 2) Selection of Consultants

For the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participate the Study and prepare a report based upon the terms of reference set by JICA.

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Program, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design.

## ANNEX V: NECESSARY MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE COMMONWEALTH OF DOMINICA

The following necessary measures should be taken by the Government of the Commonwealth of Dominica on condition that the Grant Aid by the Government of Japan is extended to the Project.

1. to secure a lot of land necessary for the Project;
2. to clear and level the site for the Project prior to the commencement of the construction;
3. to provide a proper access road to the site;
4. to provide facilities for distribution of electricity, water supply, telephone trunk line, drainage and other incidental facilities outside the site;
5. to undertake incidental outdoor works, such as gardening, fencing, exterior lightning, and other incidental facilities in and around the site, if necessary;
6. to ensure prompt unloading and customs clearance of the products purchased under the Japan's Grant Aid at ports of disembarkation in the Commonwealth of Dominica;
7. to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the Commonwealth of Dominica with respect to the supply of the products and services under the verified contracts;
8. 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 Commonwealth of Dominica and stay therein for the performance of their work;
9. to bear commissions, namely advising commissions of the Authorization to Pay (A/P) and payment commissions, to the Japanese bank for its banking services based upon the Banking Arrangement (B/A);
10. to provide necessary permissions, licenses and other authorization for implementing the Project, if necessary;
11. to ensure that the facilities constructed and equipment purchased under the Japan's Grant Aid be maintained and used properly and effectively for the Project; and
12. to bear all the expenses, other than those covered by the Japan's Grant Aid, necessary for the Project.

MINUTES OF DISCUSSIONS  
ON  
THE BASIC DESIGN STUDY ON THE PROJECT FOR  
REHABILITATION OF THE MOORING AREA  
AT ROSEAU FISHERIES COMPLEX  
IN THE COMMONWEALTH OF DOMINICA  
(Consultation on the Draft Basic Design)


The Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched to the Commonwealth of Dominica the Basic Design Study Team on the Project for Rehabilitation of the Mooring Area at Roseau Fisheries Complex (hereinafter referred to as "the Project") in August 1998. As a result of the series of discussions, field surveys in the Commonwealth of Dominica and technical examination in Japan, JICA prepared the Draft Basic Design on the Project.

In order to explain and discuss with the Government of the Commonwealth of Dominica the components of the Draft Basic Design, JICA sent to the Commonwealth of Dominica the Draft Basic Design Study Team (hereinafter referred to as "the Draft Team"), headed by Masashi KINOSHITA, Deputy Director, Second Project Management Division, Grant Aid Project Management Department, JICA, and scheduled to stay in the country from 27 October, 1998 to 31 October, 1998.

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

Roseau, 30 October, 1998

木下 雅司  
Masashi KINOSHITA  
Leader,  
Basic Design Study Team,  
JICA

  
Nigel LAWRENCE  
Chief Fisheries Officer,  
Fisheries Development Division,  
Ministry of Agriculture and Environment

## ATTACHMENT

### 1. Major Components of the Draft Basic Design

The Commonwealth of Dominica has agreed and accepted in principle the following major components of the Draft Basic Design proposed by the Team.

- Extension of the Northern Break-water
- Improvement of the Northern Wharf Structure to include Wave Absorbing Structures
- Re-arrangement of Land and related facilities behind the Northern Wharf

The Dominican Side further requested consideration for;

- assistance in the expansion of the bus-terminal facility to compensate for the area lost by the improvement of the northern wharf structure, and,
- reinforcement of the function of the existing submerged groin to ensure the effectiveness of the rehabilitation of the mooring area.

### 2. Responsible Agency and Implementing Agency

Responsible Agency : Ministry of Agriculture and the Environment  
Implementing Agency : Fisheries Development Division (F.D.D)

### 3. Management and Maintenance

The Ministry of Agriculture and the Environment will take necessary measures which may include dredging, to maintain the functionality of the facilities of Roseau Fisheries Complex.

### 4. Japan's Grant Aid System

- 1) The Government of the Commonwealth of Dominica has understood the system of the Japan's Grant Aid Program described in ANNEX I and explained by the Draft Team.
- 2) The Government of the Commonwealth of Dominica will take the necessary measures described in ANNEX II for the smooth implementation of the Project on the condition that the Grant Aid by the Government of Japan is extended to the Project.

## 5. Further Schedule of the Study

The Draft Team will make the Final Report in accordance with the confirmed items and send it to the Government of the Commonwealth of Dominica around January 1999.

## ANNEX - 1

### JAPAN'S GRANT AID SCHEME

#### 1. Grant Aid Procedures

- 1) Japan's Grant Aid Program is executed through the following procedures;
  - Application (Request made by the recipient country)
  - Study (Basic Design Study conducted by JICA)
  - Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet)
  - Determination of the Exchanged of Notes between the Governments of Japan and the Implementation recipient country
- 2) Firstly, the application or request for a Grant Aid Project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency ) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study) using a Japanese consulting firm(s).

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

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

#### 2. Basic Design Study

##### 1) Contents of the study

The aim of the Basic Design Study (hereinafter referred to as "the Study") conducted by JICA on a requested project (hereinafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows;

- a) Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation



- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- d) Preparation of a basic design of the Project.
- e) Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid Project. The Basic Design of the Project is confirmed considering the guidelines of the Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

## 2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The selected firm(s) carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA. The consultant firm(s) used for the Study is(are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid undue any delay in implementation should the selection process be repeated.

## 3. Japan's Grant Aid Scheme

### 1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

### 2) Exchange of Notes (E/N)

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

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

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4). Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

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

However, the prime contractors, namely, consulting constructing and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

#### 5) Necessity of "Verification"

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

#### 6) Undertakings required of the Government of the Recipient Country

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

(1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.

(2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.

(3) To secure buildings prior to the procurement in case the installation of the equipment.

(4) To ensure all the expenses and prompt excursion 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.

7) "Proper Use"

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

8) "Re-export"

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

9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a 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 the Government of the recipient country or its designated authority under the Verified Contracts.

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 - 11:

### NECESSARY MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE COMMONWEALTH OF DOMINICA

The following necessary measures should be taken by the Government of the Commonwealth of Dominica on condition that the Grant Aid by the Government of Japan is extended to the Project.

1. to secure a lot of land necessary for the Project;
2. to clear and level the site for the Project prior to the commencement of the construction;
3. to provide a proper access road to the site;
4. to provide facilities for distribution of electricity, water supply, telephone trunk line, drainage and other incidental facilities outside the site;
5. to undertake incidental outdoor works, such as gardening, fencing, exterior lighting, and other incidental facilities in and around the site, if necessary;
6. to ensure prompt unloading and customs clearance of the products purchased under Japan's Grant Aid at ports of disembarkation in the Commonwealth of Dominica;
7. to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the Commonwealth of Dominica with respect to the supply of the products and services under the verified contracts;
8. 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 Commonwealth of Dominica and stay therein for the performance of their work;
9. to bear commissions, namely advising commissions of the Authorization to Pay (A/P) and payment commissions, to the Japanese bank for its banking services based upon the Banking Arrangement(B/A);
10. to provide necessary permissions, licenses and other authorization for implementing the Project, if necessary;

11. to ensure that the facilities constructed and equipment purchased under the Japan's Grant Aid be maintained and used properly and effectively for the Project and

12. to bear all the expenses, other than those covered by the Japan's Grant Aid, necessary for the Project.

## **5. Other Relevant Data**

# Fishing Facilities - Roseau, Dominica

Hydrographic Survey

August 1998

Depths reduced to metres below Chart Datum



## Contours

Contours in Metres below Chart Datum

## Fisheries Complex

Slipway

Roseau River

Obstruction

David Neale ARICS  
Hydrographer

Figure 1

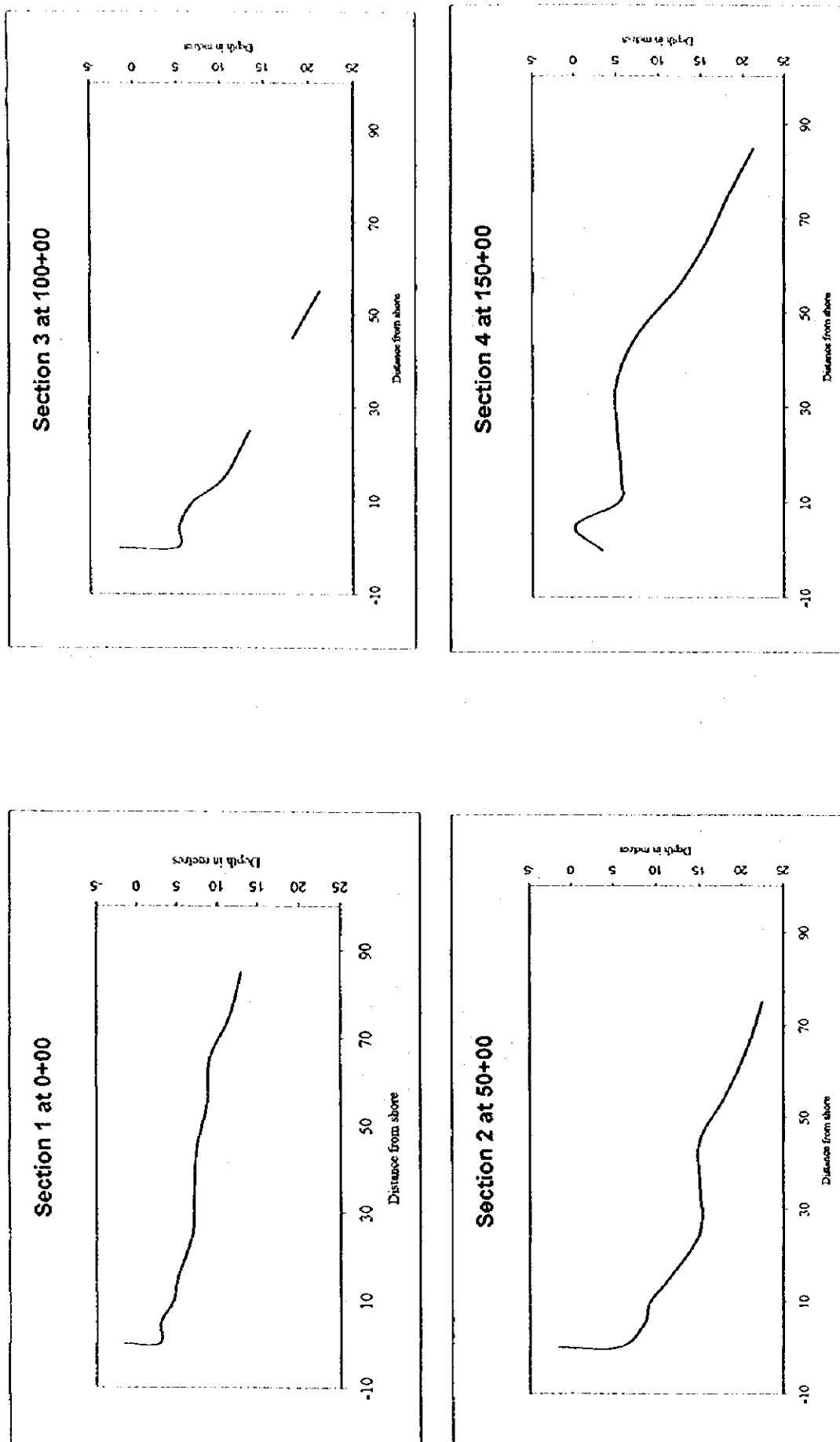


Figure 5a



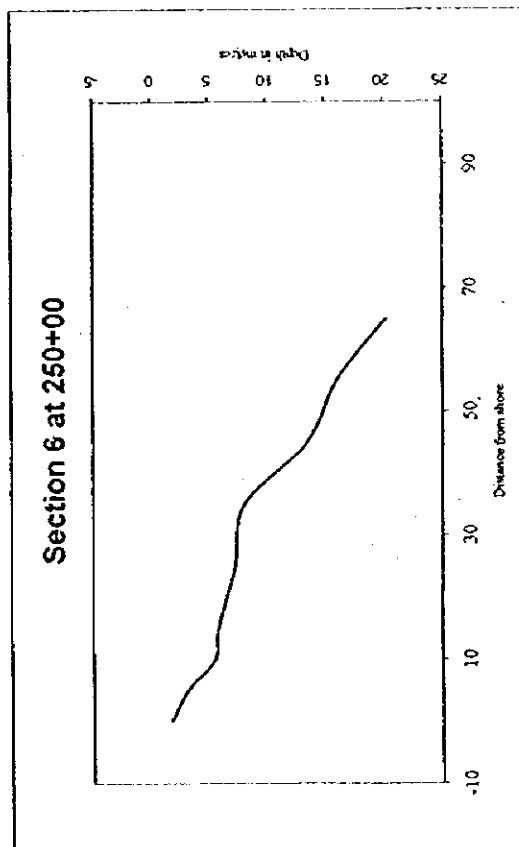
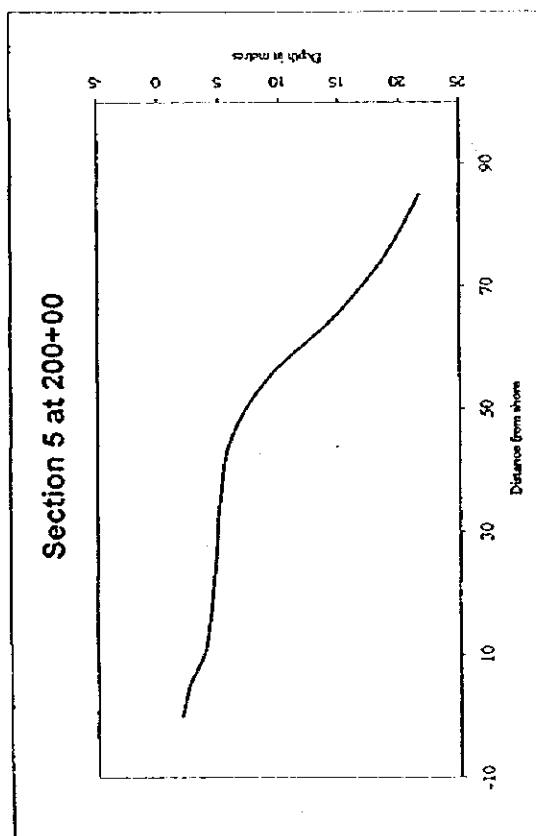
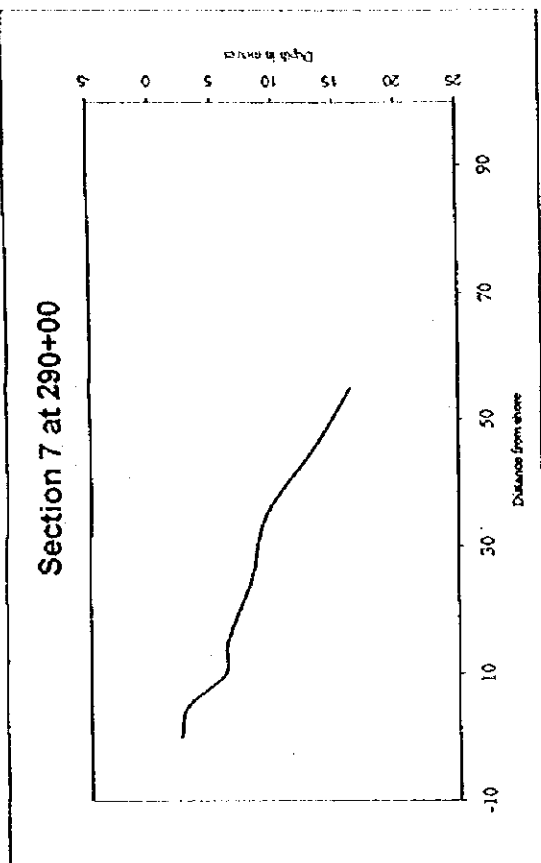


Figure 5b

Meteorological Data recorded at Canefield Airport in 1993 ~ 97

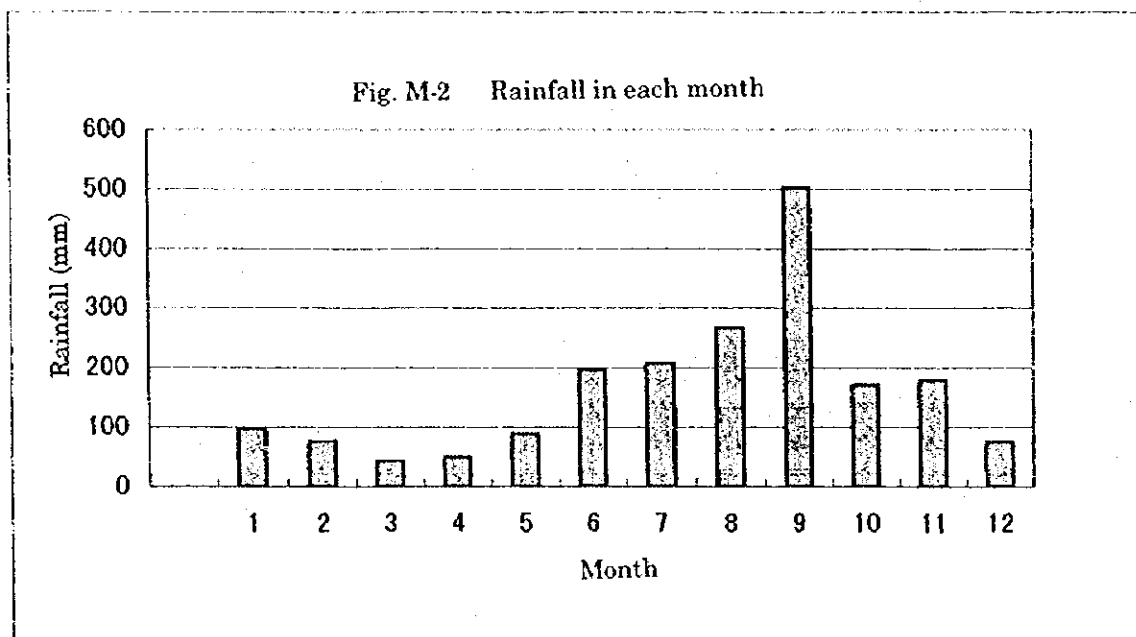
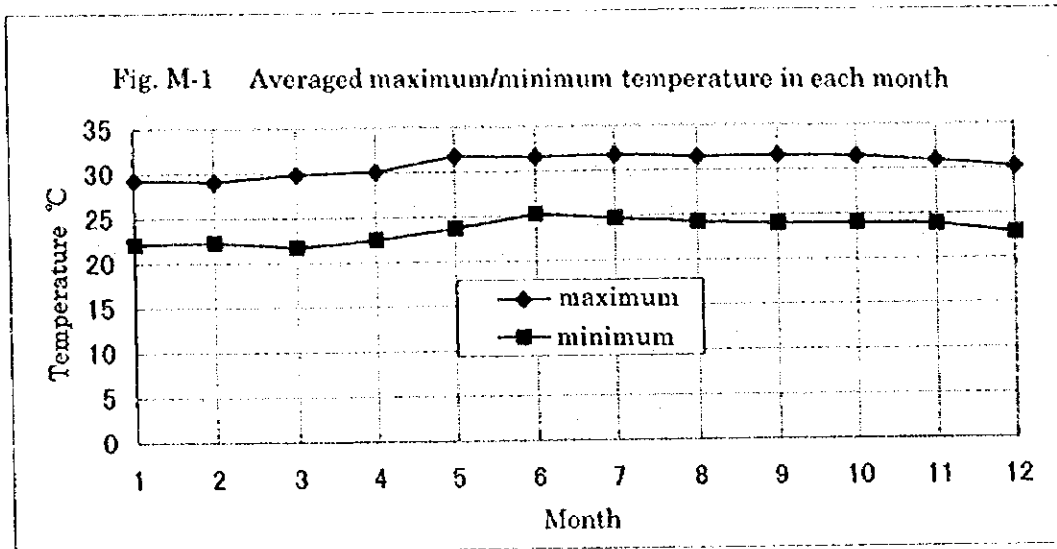
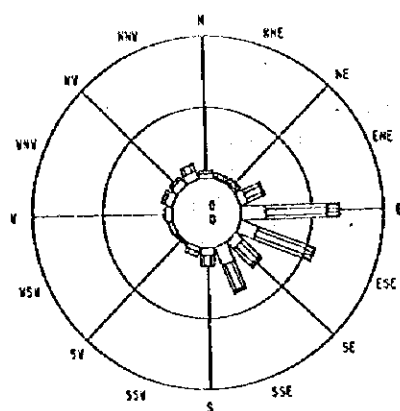
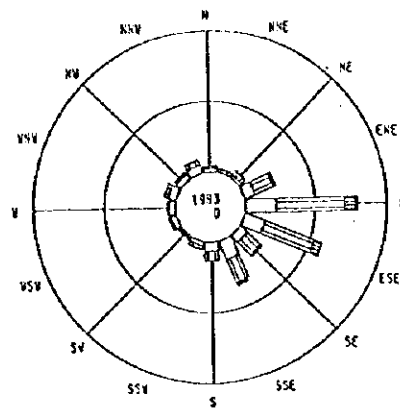


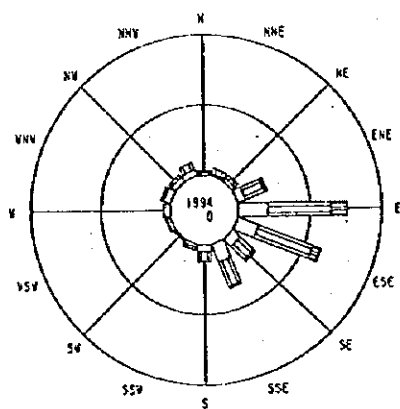
Fig. M-3 Frequency by Wind direction and velocity in each year



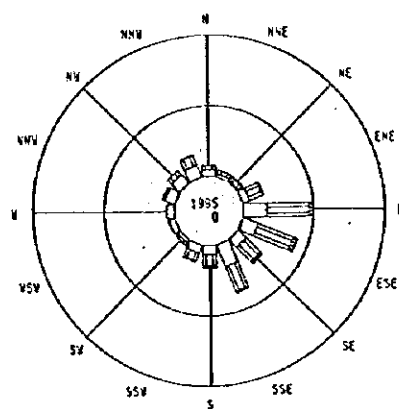
Total in 1993~97



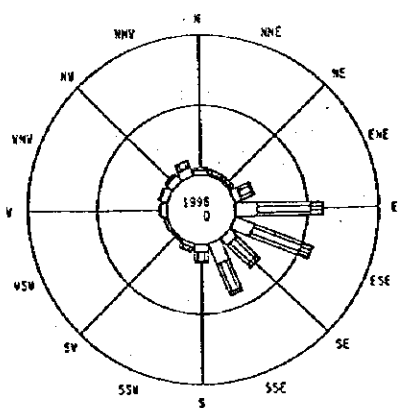
1993 年



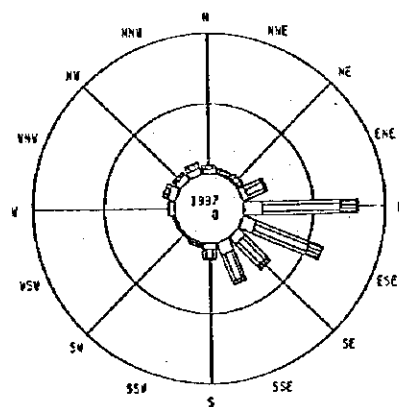
1994 年



1995 年



1996 年



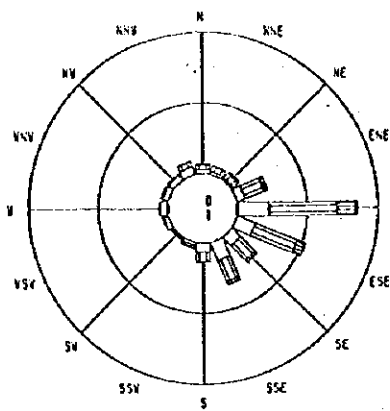
1997 年

Symbol

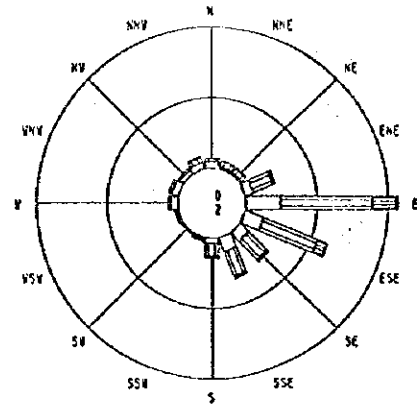
Frequency: Inner circle = 10% Outer circle = 20%

□ : 0 ~ 5 knot    ▨ : 6 ~ 10 knot    ▩ : 11 ~ 15 knot    ▩ (hatched) : 16 ~ 20 knot

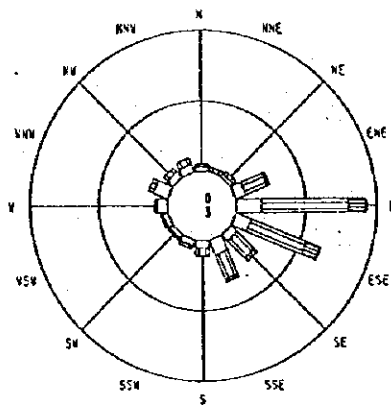
Fig. M-4 Frequency by Wind direction and velocity in each month



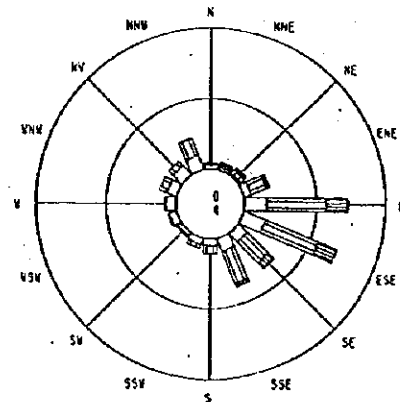
January



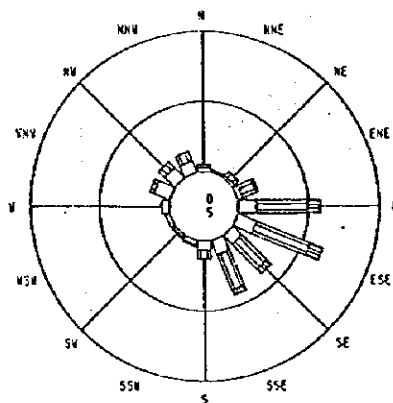
February



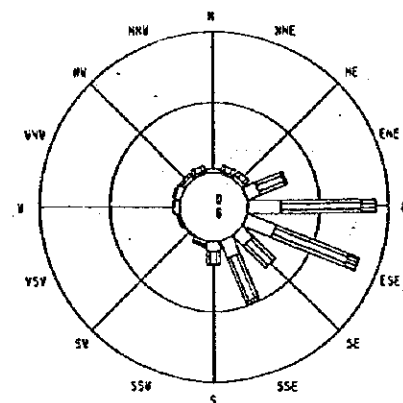
March



April



May

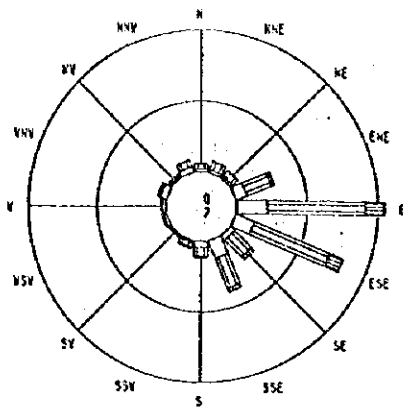


June

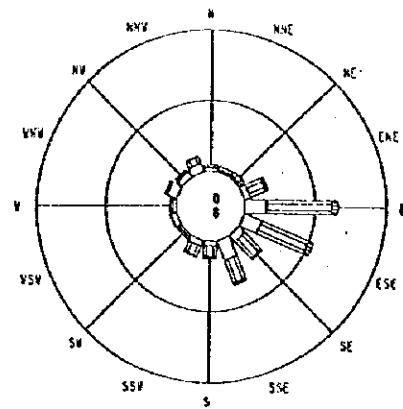
Symbol

Frequency : Inner circle = 10% Outer circle = 20%

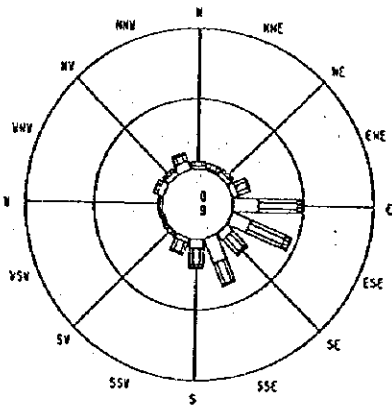
□ : 0 ~ 5 knot    ▨ : 6 ~ 10 knot    ▩ : 11 ~ 15 knot    ▩ : 16 ~ 20 knot



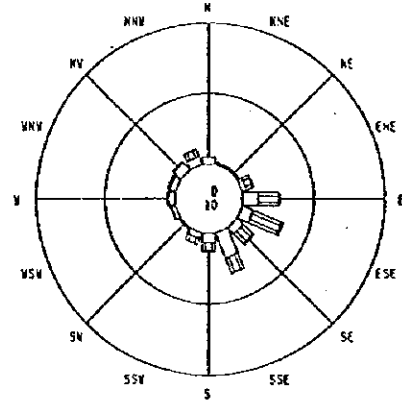
July



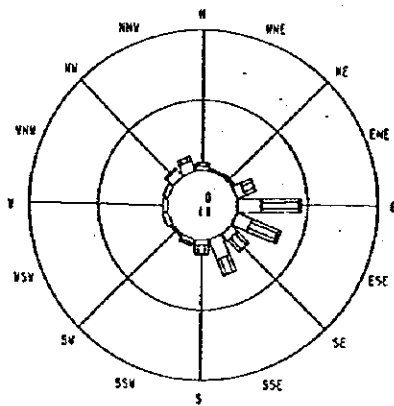
August



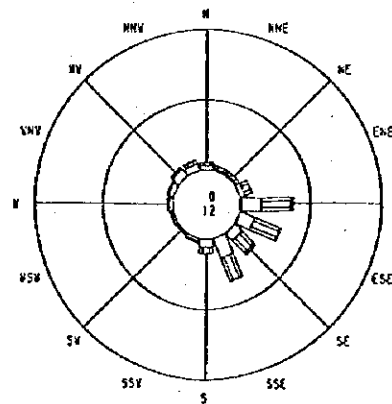
September



October



November



December

Fig. M-5 Total number of gust over 20 knot in 1993 ~ 97

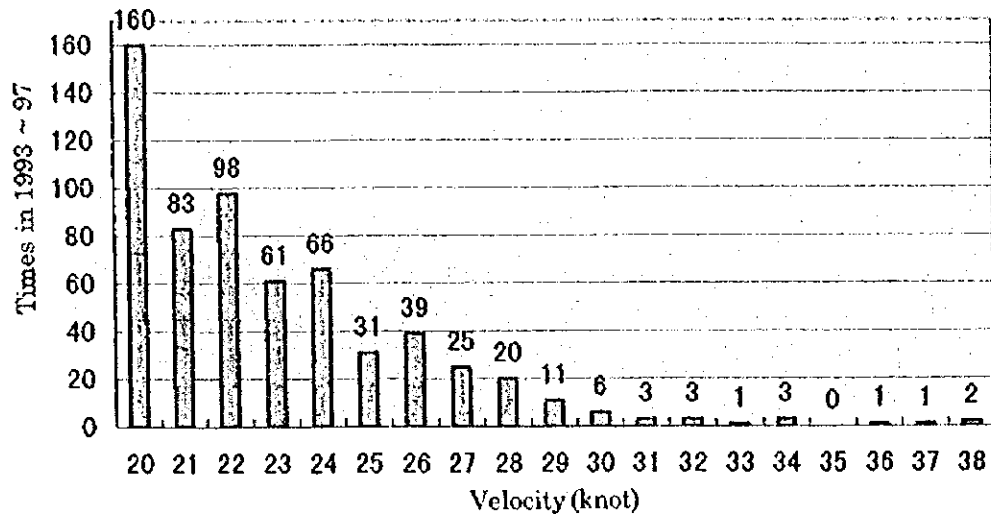
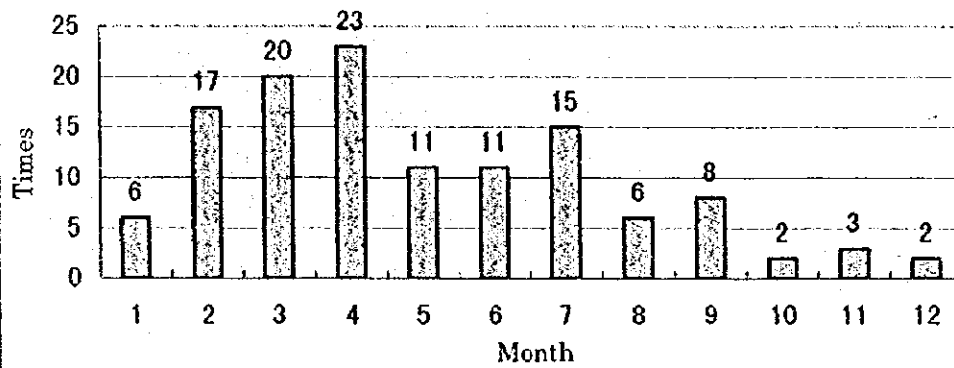


Fig. M-6 Averaged number of gust over 20 knot in each month in 1993 ~ 97



## 6. References

- Statistical Digest No. 8 1995 The Central Statistical Office
- National Accounts Statistics 1983 ~ 1996 “
- Gross Domestic Product By Economic Activity 1985 ~ 1997 “
- Import of Fishery Products (1994 ~ 1997) “  
(Yearly Statistics by Commodity and Country)
- Fishery statistical data (Fishermen, Fishing boats, Catches) Fisheries Development Division  
Program for Tuna Long-line Fishing Development  
for the East Caribbean Artisanal Fishermen 1996 “
- Records of Training on board, executed under the abovementioned program
- Meteorological data recorded at Canefield Airport (1993 ~ 1998)
- Weather charts in the Atlantic Ocean (1997/3,4,5, 1998/7) National Hurricane Center, USA
- Wave Condition at Dominica, St. Kitts and Montserrat 1972
- Report on Roseau Bayfront Study Volume 2 1990 Bertlin and Partners
- Report on Roseau Bayfront Study Volume 3 1990 Bertlin and Partners











JICA