

## Report for Proceedings - 2

### Training Workshop for BEM and Team ESTERO

Date: June 25, 2004

Place: Max's Restaurant, Greenbelt, Makati City

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## **Experimental Research for the Study on Drainage Improvement In the Core Area of Metropolitan Manila**

Training Workshop for BEM and Team Estero

June 25, 2004

8:00 am – 5:00 pm

Max's Restaurant, Greenbelt, Makati City

### **PROCEEDINGS**

#### **I. INTRODUCTION**

Three Barangay Units, Barangays 46, Pasay City, Palanan, Makati City, and 195 City of Manila, were selected for the Experimental Research for the Study on Drainage Improvement in the Core Area of Metropolitan Manila as typical and/or representative barangays in the Core Area of Metropolitan Manila (DICAMM) for the development of a model for Barangay Institutional System. The selection was based on certain conditions such as the character of the people, and types of problems in the areas.

In this activity, the Experimental Research Study Team educated the BEMs (Barangay Environmental Managers) and the Team ESTERO (Environmental Strategic Task for Estero Renewal Organizing) about the outline and methods for data gathering for the completion of their Barangay Profile, which is to be included in the Barangay Environmental Management Plan (BEMP).

#### **II. PROFILE OF THE PARTICIPANTS**

The Organizers both from JICA Study Team and DPWH were in attendance for the June 26, 2004 Workshop for BEM and Team ESTERO, at the Executive Plaza Hotel in Malate, Manila. The Experimental Research Team, headed by Dr. Felixberto H. Roquia, Jr. (Public Participation II-JICA Study Team) gave a complete attendance. Mr. Jesus Averilla (Head/Env'l/Environment/Solid Waste Management-Counterpart Team), and the Barangay Coordinators Engr. Joselito Manooos (Public Participation-Counterpart Team) for Barangay 46, Pasay City, Engr. Manuel Leano (Solid Waste Analyst) for Barangay Palanan, Makati City, and Engr. Leonardo P. Sanchez (Social Issue/Public Participation I-Counterpart Team) for Barangay 195, City of Manila, and Ms. Bridgette Bautista (Coordinator). The JICA Support Staff Ms. Donna Gabriel, Ms. Marie Payumo, and Ms. Eileen Medina were also there to assist in the said activity.

Also present were Mr. Takayuki Nobe (JICA Study Team Deputy Team Leader) who gave a short encouraging message to the participants and Mr. Tadanori Kitamura (Drainage Planning II/Hydraulics-JICA Study Team). From the Counterpart Team, several stopped by to take a glimpse of the event, Engr. Napoleon Famadico (Team Leader), Engr. Elmo Atillano (Hydrological and Hydraulic Modeling), Mr. Mar G. Tolentino, Ms. Myrna M. Rodriguez (Counterpart for Resettlement). Also present to assist were the Support Staff from JICA, Ms. Donna Gabriel, Ms. Marie Payumo, and Ms. Eileen Medina.

There were 13 Barangay participants who attended. Six were from Barangay Palanan, Makati City, five of which are Team ESTERO Members and one BEM. The other seven were from Barangay 46, Pasay City. Of these participants, five were members of the Team ESTERO and the remaining one was the BEM.

### III. PRELIMINARIES

The participants arrived at 9:10 a.m. at the venue in due to the bad weather. At around 9:17 a.m., the Organizers started taking pictures of each participant to be used in their identification cards. The program started officially at 9:30 a.m. with the Invocation led by Mr. Jesus O. Averilla. The singing of National Anthem conducted by Ms. Bridgette Bautista followed it. Ms. Elsie Encarnacion (Deputy Project Manager, CBSWM) of MMDA (Metropolitan Manila Development Authority) was not able to give her short message because she was not able to attend the Workshop for some official reasons. Dr. Felixberto Roquia, Jr. took over and welcomed the participants.

Dr. Felixberto Roquia, Jr. proceeded in citing the Training Objectives. He emphasized that the cooperation and willingness of the residents beside the estereros will be of great help for the success of the Project, and told them that they will be the one who will largely benefit from this Project. Dr. Felixberto Roquia, Jr. also stressed out the reasons why they are being trained. He said that the Training will teach them how to produce accurate data for a complete Barangay Profile and this Profile will be the tool for the preparation of the BEMP.

Dr. Felixberto Roquia, Jr. continued the Training Objective with the lecture on the Methodology of Participatory Rapid Community Appraisal. He explained what would be the needed details of each criterion for the Barangay Profile. Following this activity was a 15-minute break.

### IV. APPLICATION OF CONCEPTS

The workshop resumed at 10:45 a.m., Dr. Felixberto Roquia, Jr. continued his lecture on the different maps and carried on to the Application of Concepts. Application of Concepts will let the Organizers see how well the participants understand the instruction given in the workshop. In this activity, each Barangay were given maps, pentel pen, paper, and pencils as materials to use for the exercise.

The participants were to supply data for the Barangay Profile through the information they brought with them. The details needed include, specific unique activities observed in their barangay, rituals of their church, and some important events celebrated in their place. They were also to supply figures for the population, number of households, rate of birth, mortality, morbidity, and nutrition. Information on sanitation should also be included in their Barangay Profile. In the maps provided to them, they should identify the small alleys in their barangay and where the houses are located, both formal and informal settlers. Some information was not precise that they still have to work on the accurate figures and some missing information.

## V. PLENARY SESSION

Mr. Jesus Averilla started the Plenary Session by introducing the BEM of Barangay 46, Pasay City, Mr. Benjamin Evangelista to report their output. He discussed the history of their Barangay. He mentioned about the relocation done by the Government during Martial Law, wherein the people living near the river were relocated to Dasmariñas Cavite and the Estero de Tripa de Gallina was rehabilitated. As a result, the lowland area in their Barangay is not being flooded. But in the year 1998, fire spread in the barangay.

According to their BEM, their population is 4,509 and number of households of 868. They implement segregation in their barangay as their Solid Waste Management. They transport waste through a pushcart and put it in the collecting truck. Barangay 46, Pasay City has 17 drainage systems, which they say that has a problem. Mr. Antonio Tangon a Team ESTERO member of Barangay 46 discussed their Transect and Social Maps.

Following Barangay 46 to present was Barangay Palanan, Makati City. They shared their Barangay Profile. According to the BEM, they do not have much knowledge about their history so they just discussed other items in the Barangay Profile.

They brought with them data on their population as of 2001, which are 40,000 with 10,561 numbers of households. For their Solid Waste Management, they segregate their waste but not all follow. For their Source of Water, they are being provided by Maynilad but some parts of the barangay still do not have water supply. They also admitted that their Sewage and Toilet Facilities is one of their problems because not all have toilets so the wastes go straight to the creek or drainage.

After their report some questions were raised. Ms Myrna Rodriguez asked if there will be resistance from their barangay if they are to be relocated, in case the Project of the Government of Pasay will pursue. Mr. Antonio Tangon answered her that, people in their barangay are willing to be relocated though some may not agree. He said that the problem might be the probability of paying for the houses awarded to the relocates. It will be hard for them to raise sufficient money because most of them earn just enough for their meals in a day.

A question raised by Ms. Ma. Lourdes Cambosa, a Team ESTERO Member from Barangay Palanan, Makati City, was are informal settlers that has been relocated before but came back to the barangay to be informal settlers again, would have chances to be awarded in the relation. Ms. Rodriguez answered, no, because they have already recorded the names of the people who were awarded a place to transfer to before, and presently, they are considered relocated.

## VI. RECAP

Dr. Felixberto Roquia, Jr. gave his comments and suggestions on the output of each barangay. He said that History is an important data for the Barangay Profile. He pointed out that they should not confuse History with Timeline. The Timeline includes the important events occurred in the Barangay, and the transitions of life forms and physical structures present and have developed in the area, while History is a record of

events that happened in the past, from the beginning of existence of their territories. He gave an example of a Timeline like, the fire or the first school established.

Dr. Felixberto Roquia, Jr. added that in Cultural Practices they should include fiestas wherein they do some unique activities or rituals in church that they practice. They should be able to fill out the Health under the Socio-Economic Conditions.

Regarding the Transect Map, Dr. Felixberto Roquia, Jr. said that the BEM and Team ESTERO will have to walk to locate and count the number of houses living near the estero. He also reminded the participants that on the 12<sup>th</sup> day of July 2004 will be the submission of these data.

## VII. CLOSING PROGRAM

Mr. Takayuki Nobe, (JICA Team – Deputy Team Leader), gave his short message. He said that, "River Channel is "A Face" of Barangay/ Town/ City." The River Channel reflects the people who live near it.

He showed some pictures of river channel in Japan, which he wanted the Philippines to achieve. He believes that through effort and cooperation we can recover our River Channels.

Dr. Felixberto Roquia, Jr. also gave a short message followed by Mr. Jesus Averilla's message to the participants encouraging the participants to continue supporting the Project.

The Workshop ended at 3:50 p.m. The Organizers thanked all the participants and same did the participants to the Organizers.

## **ATTACHMENTS**

Experimental Research for the Study on Drainage Improvement  
In the Core Area of Metropolitan Manila

**Training Workshop for BEM and Team Estero**

June 25, 2004  
8:00 a.m. – 5:00 p.m.  
Max's Restaurant, Greenbelt II, Makati City

No.	Name	Baranagay	Position (BEM or Team Estero)	Signature
1	Roel C. Arevalo	Palanan	BEM	
2	Emmanuel B. Alivio, Jr.	Palanan	Team ESTERO	
3	Renieboy O. Mocooy	Palanan	Team ESTERO	
4	Ryan C. Amante	Palanan	Team ESTERO	
5	Ma. Lourdes Cambosa	Palanan	Team ESTERO	
6	Gilda N. Garte	Palanan	Team ESTERO	
7	Antonio M. Tangon	46	Team ESTERO	
8	Benjamin S. Evangelista	46	BEM	
9	Jesus S. Mora	46	Team ESTERO	
10	Lucio F. de Guzman Jr.	46	Team ESTERO	
11	Alma M. Managuit	46	Team ESTERO	
12	Jose C. Pascua	46	Team ESTERO	
13	Eufemia M. Villanueva	46 -06	Team ESTERO	
14	Lito B. Manoos	DPWH	Engineer	
15	Jesus O. Averilla	DPWH	SEMS	
16	Mar G. Tolentino Jr.	DPWH		
17	Myrna M. Rodriguez	DPWH		
18	Manuel Leaño	DPWH		
19	Napoleon S. Famadico	DPWH		
20	Marie Payumo	JICA		
21	Elmo Atillano	DPWH		
22	Roel Tolentino			
23	Jose Barin			
24	Felixberto Roquia	JICA		
25	Donna Gabriel	JICA		
26	Eileen Medina	JICA		
27	Bridgette Bautista	JICA		
28	Ernie M. Valdez	JICA		
29	Takayuki Nobe	JICA		



**Training Workshop for BEM and Team ESTERO**  
Experimental Research for the Study on Drainage Improvement in the Core Area of  
Metropolitan Manila

*Max's Restaurant Greenbelt*  
Greenbelt II, Makati City  
June 25, 2004

PROGRAMME

8:00 – 9:00 a.m.	Registration	JICA Study Team Secretariat
9:00 – 9:10 a.m.	Invocation	Mr. Jesus O. Averilla
9:10 – 9:15 a.m.	National Anthem	Bridgette Bautista
9:15 – 9:25 a.m.	Short Message	Ms. Elsie Encarnacion Deputy Project Manager, CBSWM MMDA
9:25 – 10:00 a.m.	Training Objective	Dr. Felixberto H. Roquia, Jr. JICA Public Participation Expert
10:00 – 10:20 a.m.	Coffee Break	
10:20 – 12:00 n.n.	Lecture	Methodology of Participatory Rapid Community Appraisal
12:00 – 1:00 p.m.	Lunch Break	
1:00 – 3:00 p.m.	Application of Concepts	BEM & ESTERO Team
3:00 – 3:15 p.m.	Coffee Break	
3:15 – 4:30 p.m.	Plenary Session	BEM & ESTERO Team
4:30 – 4:45 p.m.	Recap	Dr. Felixberto H. Roquia, Jr. JICA Public Participation Expert
4:45 – 5:00 p.m.	Short Message	Mr. Takayuki Nobe JICA Team – Deputy Team Leader

*Thank you for your participation in the workshop!*

Facilitator:

1. Barangay Palanan, Makati City – Engr. Manuel M. Leaño
2. Barangay 46, Pasay City – Engr. Joselito B. Manoos
3. Barangay 195, Manila City – Engr. Leonardo P. Sanchez

Overall Coordinator: Mr. Jesus O. Averilla  
Head, Environment/Solid Waste Management  
DPWH, Planning Service

## BARANGAY PROFILE

The approach uses the participatory rapid community appraisal wherein the BEM-ESTERO members are trained to actively generate data for a comprehensive Barangay profile. This profile then becomes one of the planning tools for the preparation of the Barangay Environment Management Plan.

DATA	SOURCE OF DATA
1. Geography and History of Barangay	Secondary data – ABC / Barangay Secretary
2. Barangay Administration	Secondary data – Barangay Secretary
3. Socio-economic Profile	Secondary data - MPDO/ Barangay Secretary
4. Mapping - Transect map - Social map - Enterprise map - Land use Map	Primary – to be generated
5. Sanitation and Health situation	Primary – to generated through descriptive observation
6. Community Infrastructures	Primary and secondary data
7. Environmental Conditions	Primary to be generated using the transect map

## I. DETAILS OF THE BARANGAY PROFILE

## 1. HISTORY

## 2. PHYSICAL PROFILE

## A. Geography

- Location
- Land area

## 3. ORGANIZATIONAL STRUCTURE

## 3.1 Administrative Services

## 3.2 Budget and Expenditures

## 3.3 Project and Programs

## 4. SOCIO-ECONOMIC CONDITIONS

## 4.1 Population ( as of 2004 )

## 4.2 Number of Households ( as of 2004 )

## 4.3 Land Use

## 4.4 Social Environment

- 4.1.1 Cultural practices ( beliefs in traditional rituals including superstitious beliefs)
- 4.1.2 The Roles of Women, Youth and Elderly
- 4.1.3 Education
- 4.1.4 Health
  - o Birth Rate
  - o Mortality

- Morbidity
- Nutrition
- Health Facilities

4.1.5 Sanitation

- Solid Waste Management
- Source of Water Supply
- Sewage and Toilet Facilities



4.1.6 Community Infrastructure

- Transportation
- Electricity
- Recreation

4.1.7 Peace and Order

5. ENVIRONMENTAL CONDCTIONS

5.1 Water Environment

5.1.1 Esteros ( fishes & plants )

5.1.2 Drainage system

5.2 Land Environment

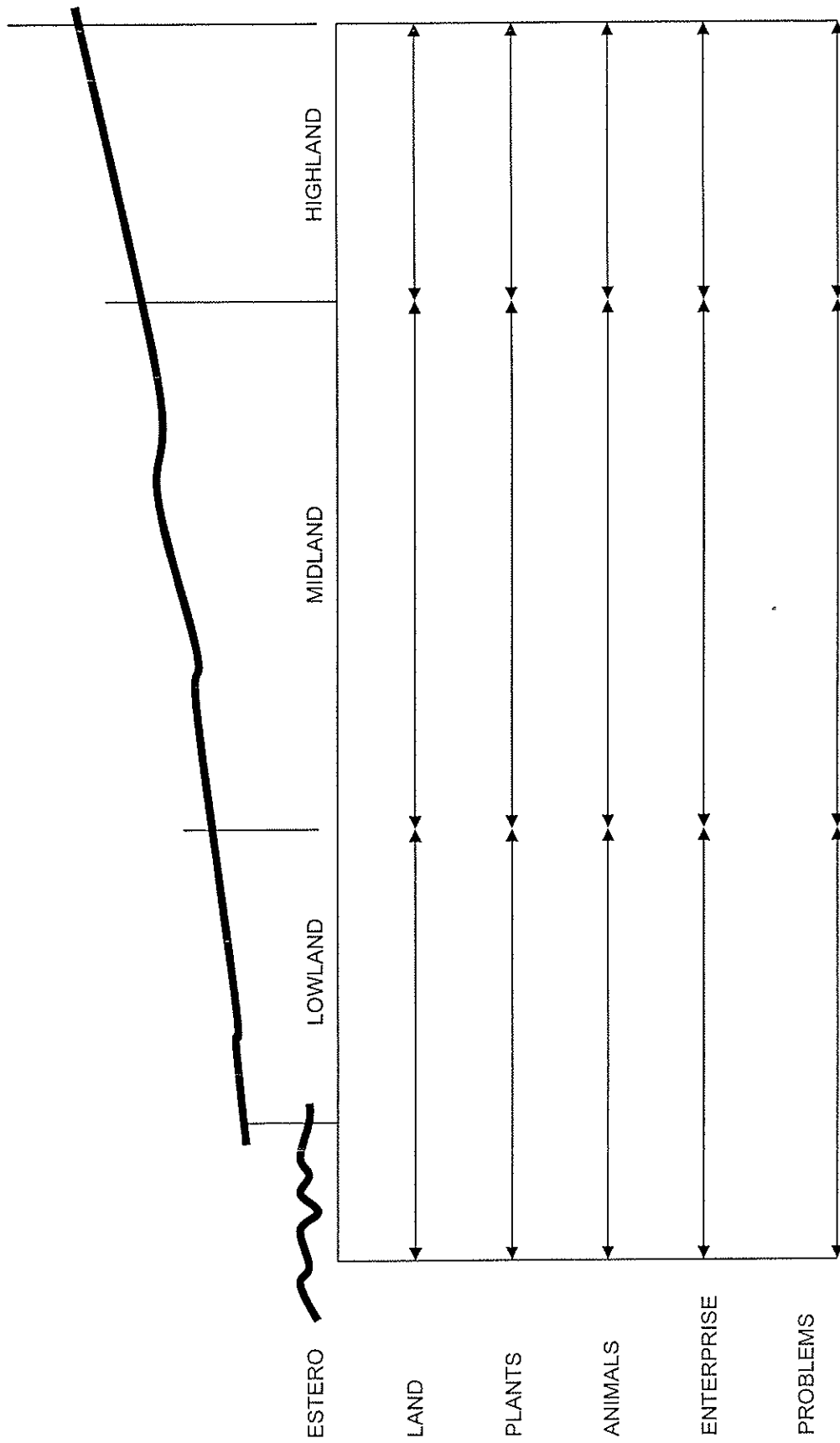
5.2.1 Vegetation

5.2.2 Birds & animals

APPENDIX:

- A. TRANSECT MAP
- B. SOCIAL MAP
- C. ENTERPRISE MAP
- D. LANDUSE MAP
- E. TIME LINE

TRANSECT MAP



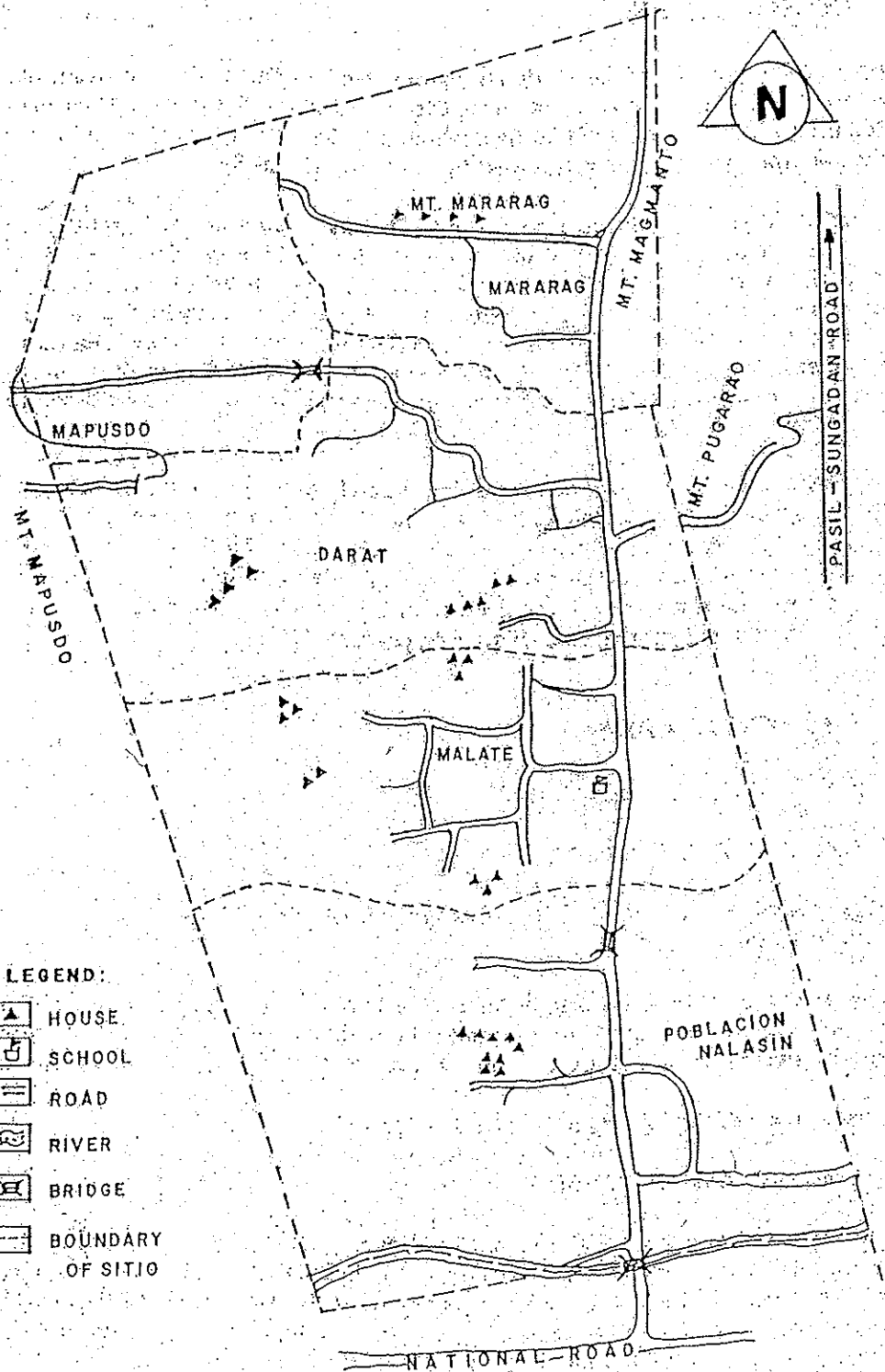


Figure 5 Village and Settlement Map, Barangay Nalasin

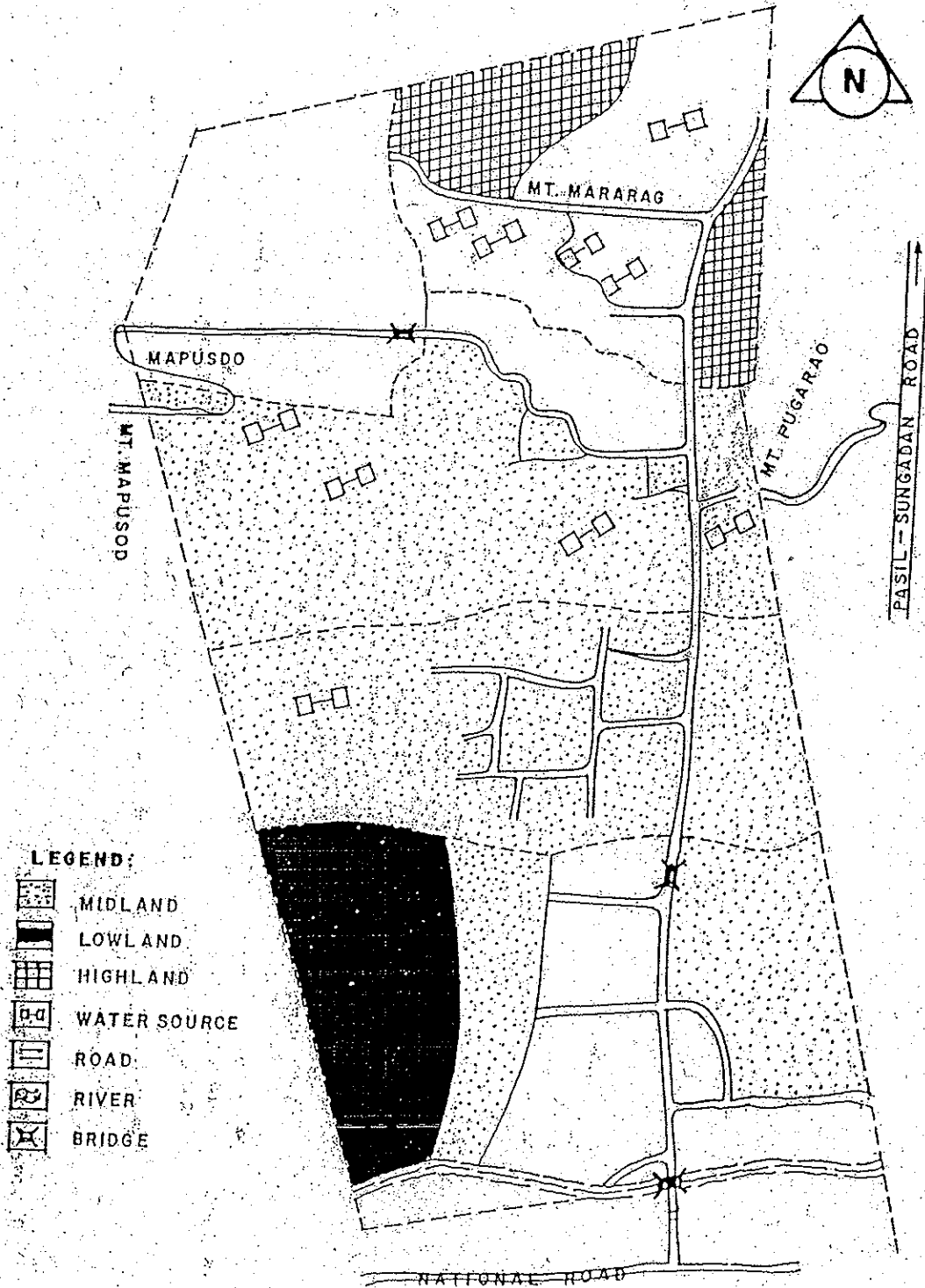
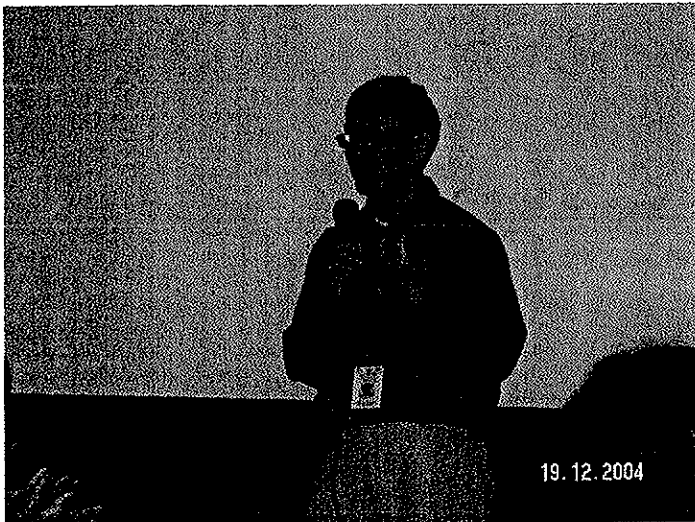


Figure 6 Topography and Hydrology Map, Barangay Nalasin

Attachment-G



Mr. Jesus Averilla leading  
the Invocation



Dr. Felixberto Roquia  
welcomes the Participants



Dr. Felixberto Roquia on  
Methodology of  
Participatory Rapid  
Community appraisal



The Participants from  
Barangay 46, Pasay City

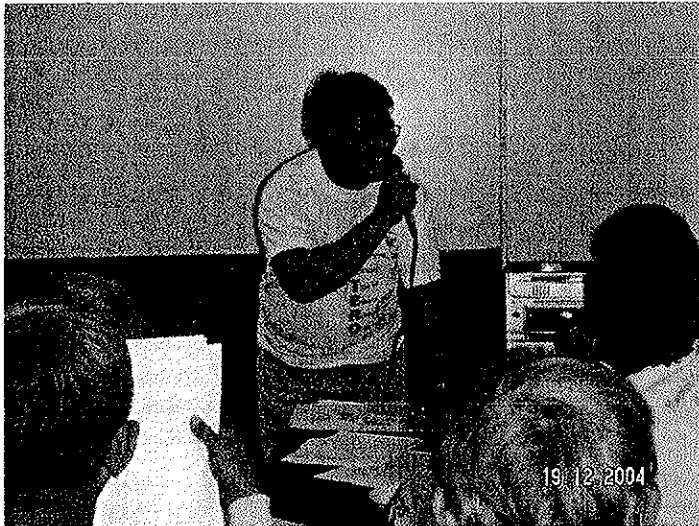


The Participants from  
Barangay Palanan,  
Makati City



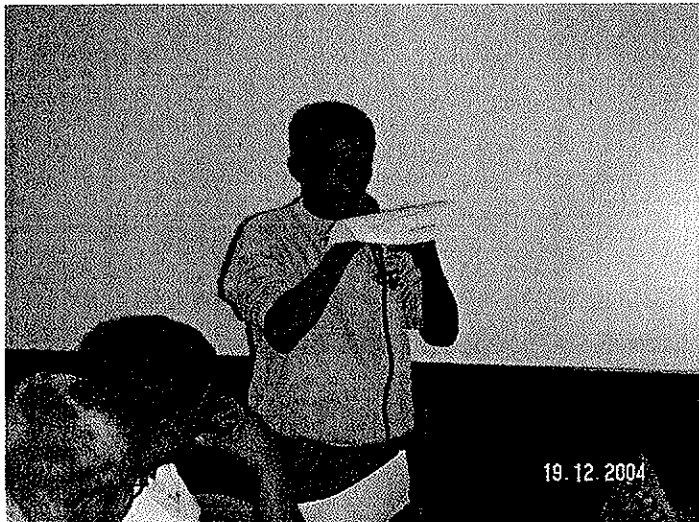
Lunch Time





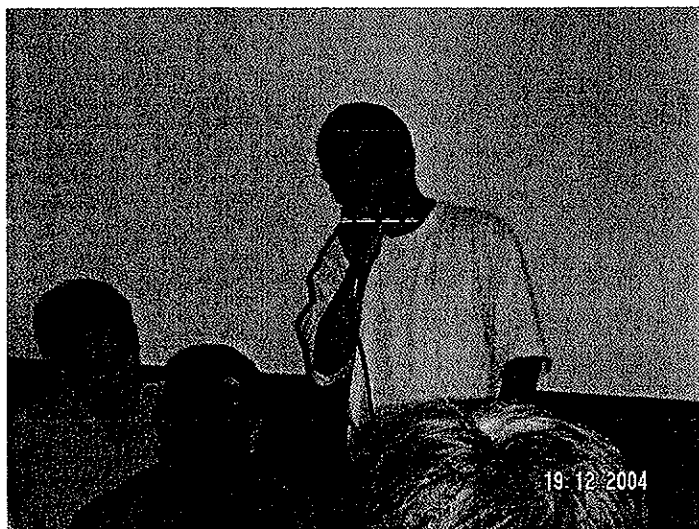
### Plenary Session

Presentation of Output by  
Barangay 46, Pasay City  
Team ESTERO Member  
Antonio Tangon



### Plenary Session

Presentation of Output by  
Barangay 46, Pasay City  
BEM Benjamin Evangelista

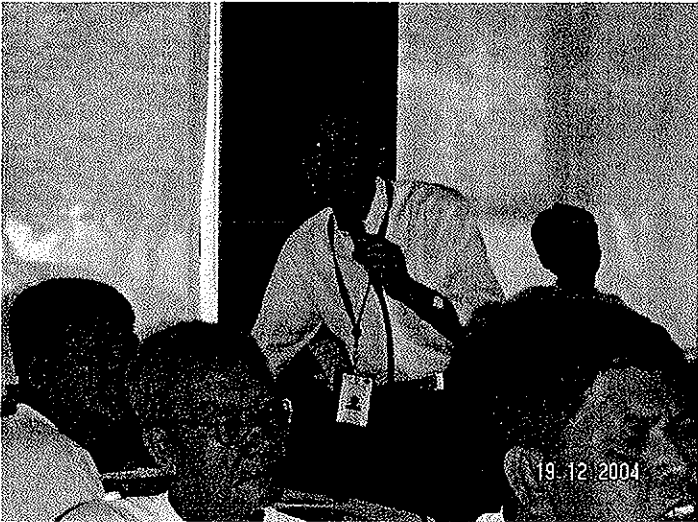


### Plenary Session

Presentation of Output by  
Barangay Palanan, Makati  
City BEM Roel Arevalo



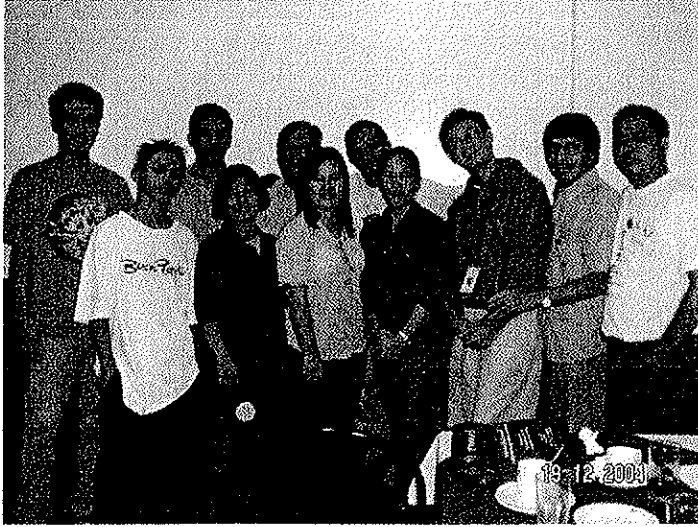
Dr. Felixberto Roquia, Jr.  
recapping the activity for the  
day



Dr. Takayuki Nobe  
giving his Closing  
Remarks



Group Picture of the  
Experimental Research  
Study Team with the  
Participants from Barangay  
46, Pasay City



Group Picture of the  
Experimental Research  
Study Team with the  
Participants from Barangay  
Palanan, Makati City



Group Picture of the  
Experimental Research  
Study Team with all the  
Participants

## Report for Proceedings - 3

# Training Workshop for BEM and Team ESTERO

Date: June 26, 2004

Place: Executive Plaza Hotel, Malate, City of Manila

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### **PROCEEDINGS**

#### **I. INTRODUCTION**

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In this activity, the Experimental Research Study Team educated the BEMs (Barangay Environmental Managers) and the Team ESTERO (Environmental Strategic Task for Estero Renewal Organizing) about the outline and methods for data gathering for the completion of their Barangay Profile, which is to be included in the Barangay Environmental Management Plan (BEMP).

#### **II. PROFILE OF THE PARTICIPANTS**

The Organizers both from JICA Study Team and DPWH were in attendance for the June 26, 2004 Workshop for BEM and Team ESTERO, at the Executive Plaza Hotel in Malate, Manila. The Experimental Research Team, headed by Dr. Felixberto H. Roquia, Jr. (Public Participation II-JICA Study Team) gave a complete attendance. Mr. Jesus Averilla (Head/Env'l/Environment/Solid Waste Management-Counterpart Team), and the Barangay Coordinators Engr. Joselito Manoos (Public Participation-Counterpart Team) for Barangay 46, Pasay City, Engr. Manuel Leano (Solid Waste Analyst) for Barangay Palanan, Makati City, and Engr. Leonardo P. Sanchez (Social Issue/Public Participation I-Counterpart Team) for Barangay 195, City of Manila, and Ms. Bridgette Bautista (Coordinator). The JICA Support Staff Ms. Donna Gabriel, Ms. Marie Payumo, and Ms. Eileen Medina were also there to assist in the said activity.

Also present were Mr. Tadanori Kitamura (Drainage Planning/Hydraulics) of the JICA Study Team, who gave a short message of encouragement to the participants for them to be more cooperative with Project, and Ms. Sonoe Yamada (Social Issue/Public Participation) also from the JICA Study Team, who shared some experiences on her own implementation of Solid Waste Management in her residence in Japan.

Eight participants from Barangay 195 of the Workshop came. Among them is their Barangay Chairman. Their BEM (Barangay Environment Manager) and six Team ESTERO members were also able to come.

### III. PRELIMINARIES

The Workshop started at 8:55 a.m., when all the Organizers and participants have already arrived. It began with a prayer by Mr. Jesus O. Averilla followed by the singing of the National Anthem conducted by Ms. Bridgette Bautista. Ms. Elsie Encarnacion (Deputy Project Manager, CBSWM) of MMDA (Metropolitan Manila Development Authority), who was supposed to be giving a short message to the participants, was not able to attend for some official reasons. Dr. Felixberto H. Roquia, Jr. took over in welcoming the participants, and went straight on giving the Training Objectives.

Dr. Felixberto H. Roquia, Jr. notified the participants' big role in making this Project a success. He emphasized that the improvement of their place lies in the hands of the people who live there. The JICA Study Team and DPWH will only assist and educate them. Still, their community, especially the people residing along the estero, has to do something to rehabilitate their own place.

According to Dr. Felixberto H. Roquia, Jr., this Training will teach them how to generate data for the Barangay Profile. This Profile will be used as a tool in preparation of the Barangay Environment Management Plan (BEMP).

Following the Training Objectives was the lecture on the Methodology of Participatory Rapid Community Appraisal by Dr. Felixberto H. Roquia, Jr. On the details of the Barangay Profile, he instructed the participants that every criterion in the Barangay Profile should be filled up with accurate data. All data should be specific especially on the activities and its processes fulfilled in their Barangay Solid Waste Management. Their Organizational Structure should have functions of each position. He added that some information could be found in their Barangay Records. Following this activity was a fifteen minute coffee break. Then, the Workshop Organizers began taking pictures of the participants for their identification cards before resuming.

### IV. APPLICATION OF CONCEPTS

Barangay 195 participants were prepared with their Barangay Data to be put in their Barangay Profile. They were given a map of their area, pencils, pentel pen and paper, which they will use to locate and label the different enterprises, houses, streets and alleys in their area. Some details were lacking and some needs to be clarified.

### V. PLENARY SESSION

The Plenary Session followed after lunch. Since the participants were very much prepared for the activity, it became easy for them to provide for their Barangay Profile and they even brought their own drawn map on a used streamer. Barangay Chairman Nestor Ereño started the reporting of their output of the exercise they had. He discussed the history of Barangay 195, which he said that their Barangay was formerly known as Barrio Obrero in the years 1960 until 1970. He added that the population back then was 300 with a land area of 1.24 hectares. The residents were nature lovers during those times. They were very much concerned about their surroundings, until the time the

population, as well as the number of households increased, and the people began to learn using plastic bags which started the clogging of the estero and drainages, and reached its critical condition. But in recent days, the residents have less concern, or none at all, in their surroundings.

According to Barangay Chairman Nestor Ereño, when they had their Training from JICA last June 12-14, 2004, they have implemented what their Team has learned right after the said Training, by sending out information leaflets to the neighborhood. It turned out that around 10 to 15 percent refuse changes on their usual Solid Waste Management.

Mr. Severino Reyes differentiated the 1940 and 2004 (which he had drawn) maps of their area. For the Peace and Order of their Barangay, Mr. Joey Bayna, shared how they maintain peace in their Barangay. Following him was Ms. Rosalinda Antonio, who related about the Solid Waste Management in their Barangay. She stated that they are implementing waste segregation in their barangay but due to the big volume of wastes, the container they have at the Barangay Hall is now incapable of accommodating all the residents' waste, and for that reason the waste overflow and scatter on the street.

For their Socio-Economic Conditions Ms. Flordeliza Isip gave us a glance on beliefs, education, and health situation of their barangay. Ms. Analiza Lao imparted the Environmental Condition of Barangay 195.

## VI. RECAP

On the output of Barangay 195, Dr. Felixberto H. Roquia, Jr. gave some comments and suggestions about the data that they presented. For the population, Dr. Roquia told them that they have to identify the male and female, and the informal and formal settlers in their Barangay. Barangay Chairman Nestor Ereño asked Dr. Felixberto H. Roquia, Jr., if the residents of 195 who are registered at Barangays 193 and 194 would still be included in their population. Dr. Roquia answered him, yes; they are still included as long as they live within the area.

They have to indicate their houses in the Transect Map and also the place where the Barangay Hall and Health Center is located. They also have to include the small alleys in their Map. The trend on their water system and drainage is also an important data.

## VII. CLOSING PROGRAM

Mr. Jesus O. Averilla explained what they should accomplish after the Workshop and then introduced Mr. Tadanori Kitamura, to give his short message. Mr. Kitamura encourages the participants to be more cooperative and supportive with the Project. Following which was Ms. Sonoe Yamada who shared her experiences of her own waste segregation at her residence in Japan.

The program ended at 2:30 p.m. The Organizers and Barangay Participants thanked one another for the information and active participation.



# **ATTACHMENTS**

**EXPERIMENTAL RESEARCH FOR DRAINAGE SYSTEM IMPROVEMENT IN THE  
CORE AREA OF METRO MANILA**

TRAINING WORKSHOP for BEM and TEAM ESTERO

*Date: June 26, 2004 (Saturday) / 8:00 am - 5:00 pm*

Venue: Executive Plaza Hotel, 1630 A. Mabini Street, Malate, City of Manila

<b>NO.</b>	<b>NAME</b>	<b>BARANGAY</b>	<b>POSITION (BEM or Team ESTERO)</b>	<b>SIGNATURE</b>
1	Severino Reyes	195-17	Member	
2	Flordeliza Isip	195-17	Member	
3	Rosalinda Antonio	195-17	Member	
4	Francisco Cirera	195-17	BEM	
5	Nestor Ereño	195-17	Chairman	
6	Jean M. Rosas	195-17	Member	
7	Joseph Bayna	195-17	Member	
8	Analiza Lao	195-17	Member	
9	Lito B. Manoos	DPWH	Public Participation	
10	Jesus O. Averilla	DPWH	SEMS	
11	Leonardo P. Sanchez	DPWH-PMO	Public Participation	
12	Manny Leaño	DPWH	Public Participation	
13	Felixberto Roquia	JICA	Public Participation	
14	Marie Payumo	JICA	Staff	
15	Eileen B. Medina	JICA		
16	Bridgette E. Bautista	JICA	Coordinator	
17	Donna Gabriel	JICA	Staff	
18	Tadanori Kitamura	JICA	Drainage Planning	
19	Roel Tolentino	JICA		
20	Sonoe Yamada	JICA	Social	
21				
22				
23				
24				
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**Training Workshop for BEM and Team ESTERO**  
Experimental Research for the Study on Drainage Improvement in the Core Area of  
Metropolitan Manila

*Executive Plaza Hotel*  
1630 A. Mabini St., Malate, City of Manila  
June 26, 2004

PROGRAMME

8:00 – 9:00 a.m.	Registration	JICA Study Team Secretariat
9:00 – 9:10 a.m.	Invocation	Mr. Jesus O. Averilla
9:10 – 9:15 a.m.	National Anthem	Bridgette Bautista
9:15 – 9:25 a.m.	Short Message	Ms. Elsie Encarnacion Deputy Project Manager, CBSWM MMDA
9:25 – 10:00 a.m.	Training Objective	Dr. Felixberto H. Roquia, Jr. JICA Public Participation Expert
10:00 – 10:20 a.m.	Coffee Break	
10:20 – 12:00 n.n.	Lecture	Methodology of Participatory Rapid Community Appraisal
12:00 – 1:00 p.m.	Lunch Break	
1:00 – 3:00 p.m.	Application of Concepts	BEM & ESTERO Team
3:00 – 3:15 p.m.	Coffee Break	
3:15 – 4:30 p.m.	Plenary Session	BEM & ESTERO Team
4:30 – 4:45 p.m.	Recap	Dr. Felixberto H. Roquia, Jr. JICA Public Participation Expert
4:45 – 5:00 p.m.	Short Message	Mr. Takayuki Nobe JICA Team – Deputy Team Leader

*Thank you for your participation in the workshop!*

Facilitator:

1. Barangay Palanan, Makati City – Engr. Manuel M. Leaño
2. Barangay 46, Pasay City – Engr. Joselito B. Manoos
3. Barangay 195, Manila City – Engr. Leonardo P. Sanchez

Overall Coordinator: Mr. Jesus O. Averilla  
Head, Environment/Solid Waste Management  
DPWH, Planning Service

## BARANGAY PROFILE

The approach uses the participatory rapid community appraisal wherein the BEM-ESTERO members are trained to actively generate data for a comprehensive Barangay profile. This profile then becomes one of the planning tools for the preparation of the Barangay Environment Management Plan.

DATA	SOURCE OF DATA
1. Geography and History of Barangay	Secondary data – ABC / Barangay Secretary
2 Barangay Administration	Secondary data – Barangay Secretary
3.Socio-economic Profile	Secondary data - MPDO/ Barangay Secretary
4. Mapping - Transect map - Social map - Enterprise map - Land use Map	Primary – to be generated
5. Sanitation and Health situation	Primary – to generated through descriptive observation
6. Community Infrastructures	Primary and secondary data
7. Environmental Conditions	Primary to be generated using the transect map

## I. DETAILS OF THE BARANGAY PROFILE

## 1. HISTORY

## 2. PHYSICAL PROFILE

## A. Geography

- Location
- Land area

## 3. ORGANIZATIONAL STRUCTURE

## 3.1 Administrative Services

## 3.2 Budget and Expenditures

## 3.3 Project and Programs

## 4. SOCIO-ECONOMIC CONDITIONS

## 4.1 Population ( as of 2004 )

## 4.2 Number of Households ( as of 2004 )

## 4.3 Land Use

## 4.4 Social Environment

- 4.1.1 Cultural practices ( beliefs in traditional rituals including superstitious beliefs)
- 4.1.2 The Roles of Women, Youth and Elderly
- 4.1.3 Education
- 4.1.4 Health
  - o Birth Rate
  - o Mortality

- Morbidity
- Nutrition
- Health Facilities

4.1.5 Sanitation

- Solid Waste Management
- Source of Water Supply
- Sewage and Toilet Facilities

4.1.6 Community Infrastructure

- Transportation
- Electricity
- Recreation

4.1.7 Peace and Order

5. ENVIRONMENTAL CONDITONS

5.1 Water Environment

5.1.1 Esteros ( fishes & plants )

5.1.2 Drainage system

5.2 Land Environment

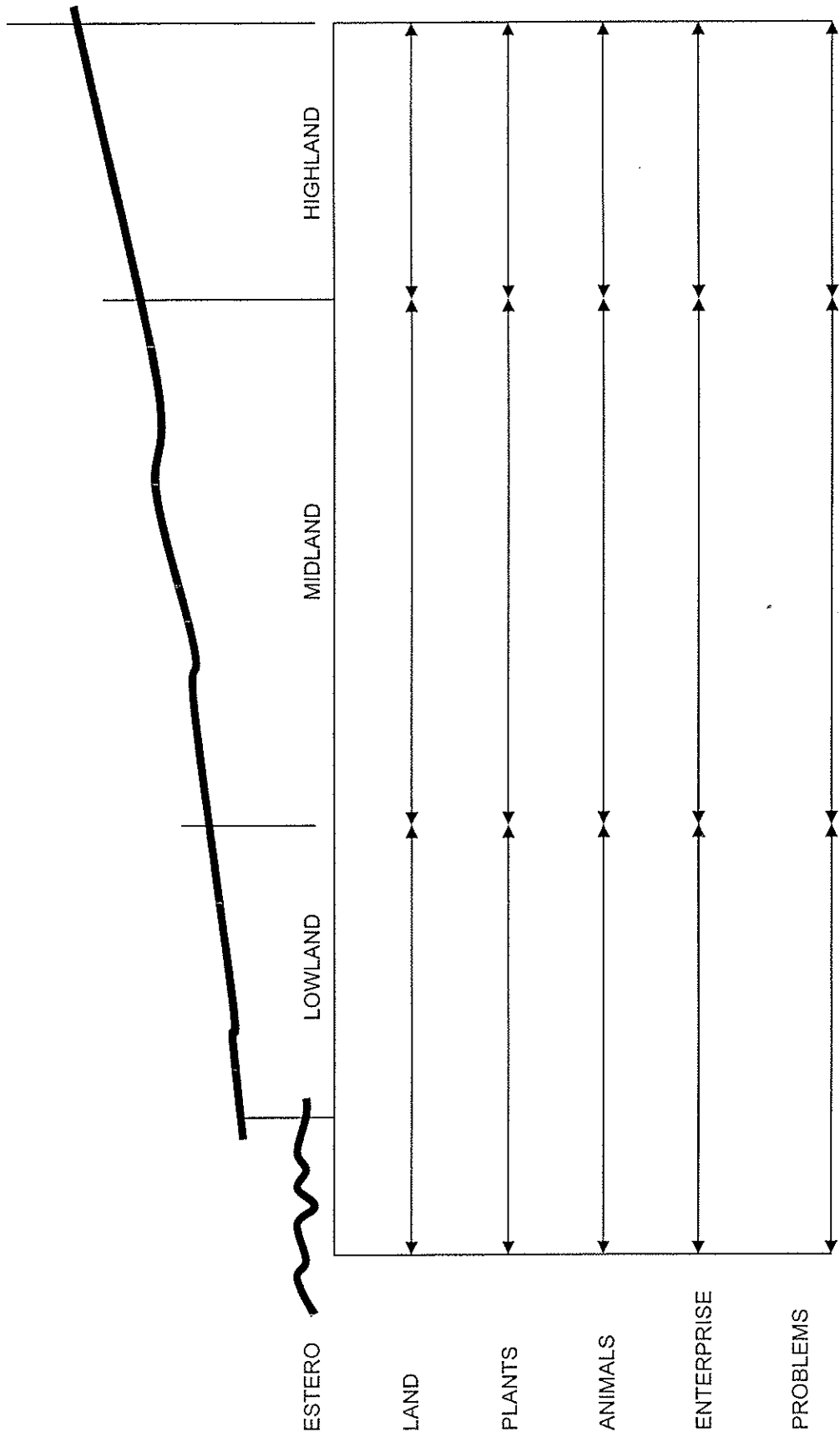
5.2.1 Vegetation

5.2.2 Birds & animals

APPENDIX:

- A. TRANSECT MAP
- B. SOCIAL MAP
- C. ENTERPRISE MAP
- D. LANDUSE MAP
- E. TIME LINE

# TRANSECT MAP



52 Gender-Based Activities in Selected Agroecological Systems

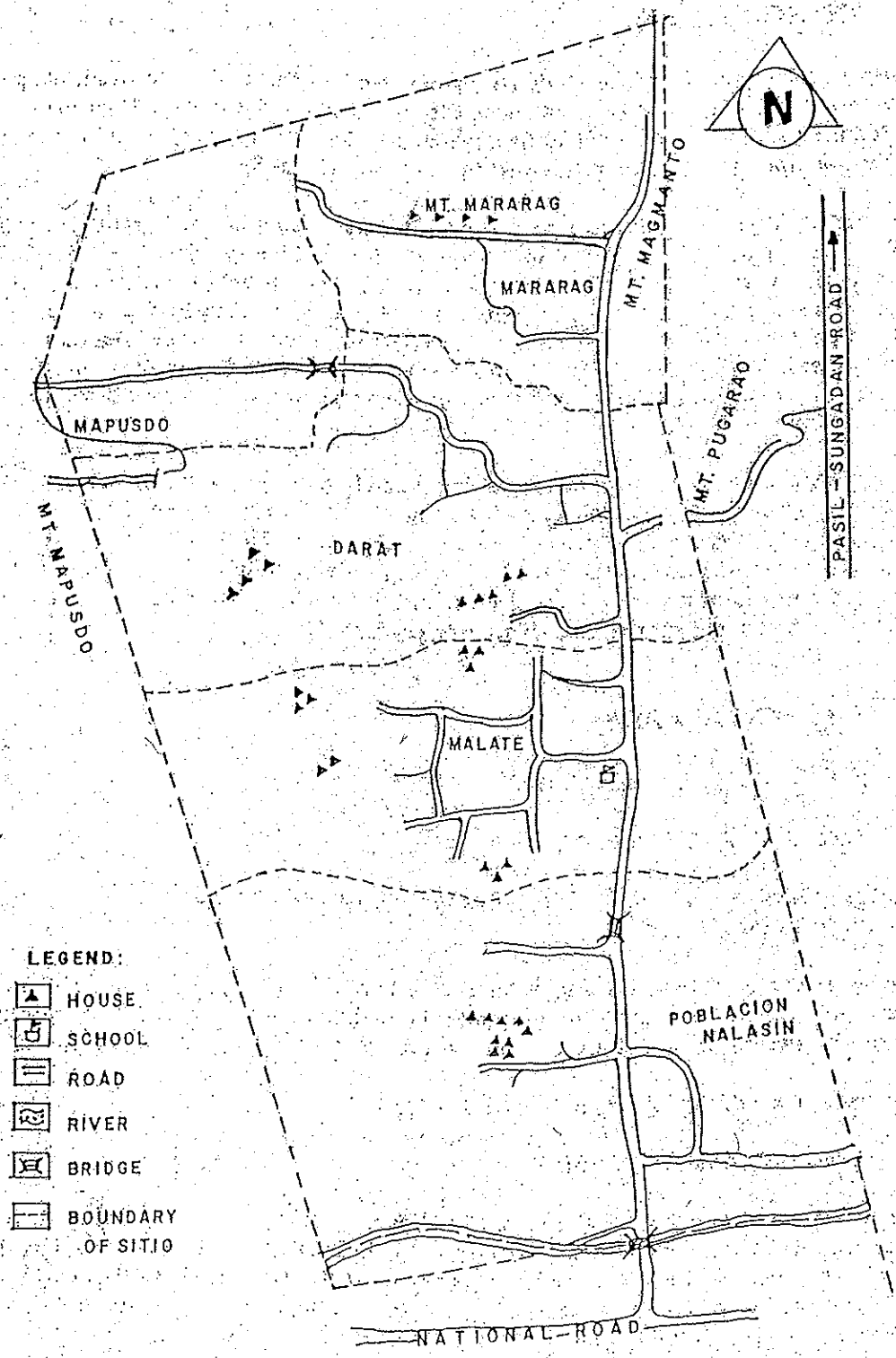


Figure 5 Village and Settlement Map, Barangay Nalasin

SAMPLE 2

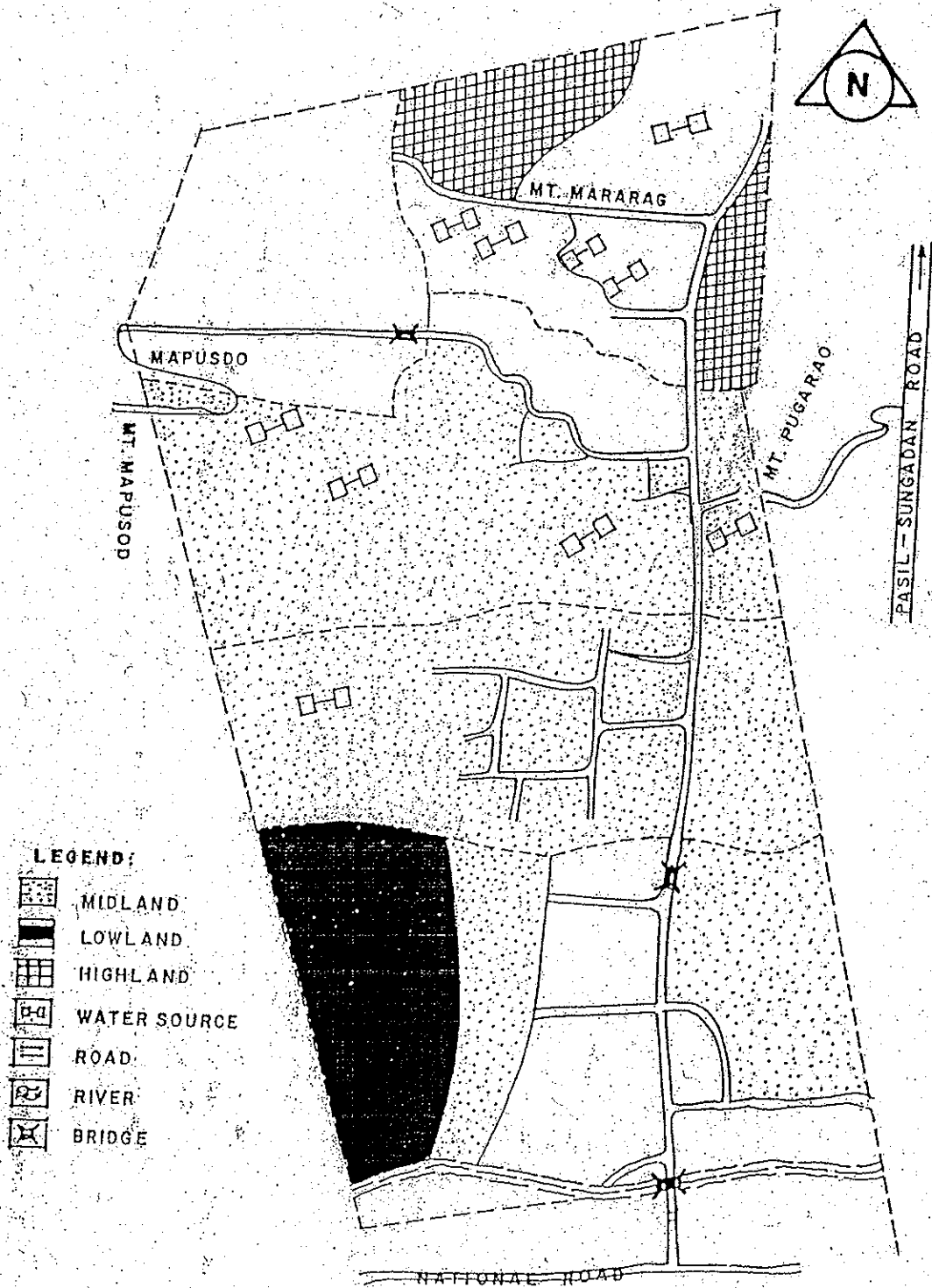
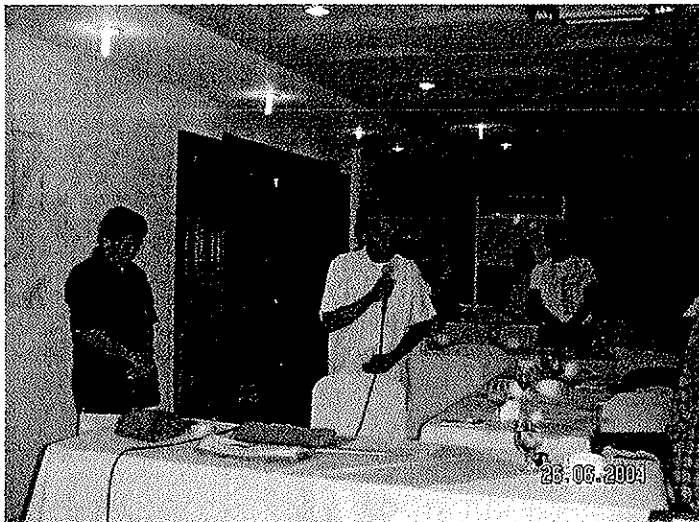


Figure 6 Topography and Hydrology Map, Barangay Nalasin

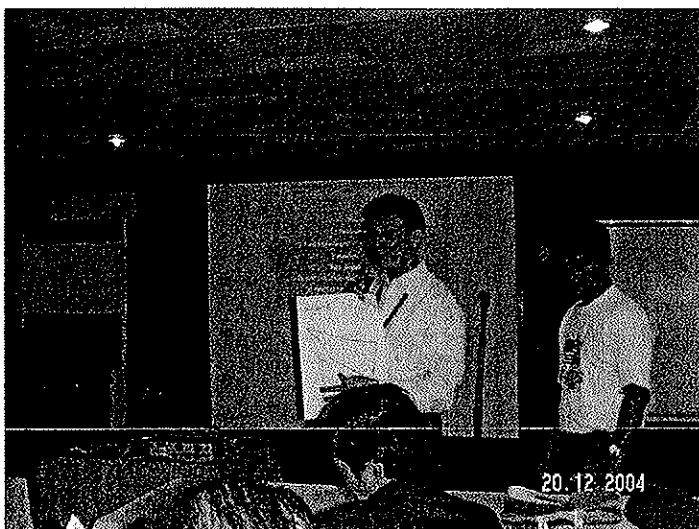




Mr. Jesus Averilla facilitates the entire Workshop



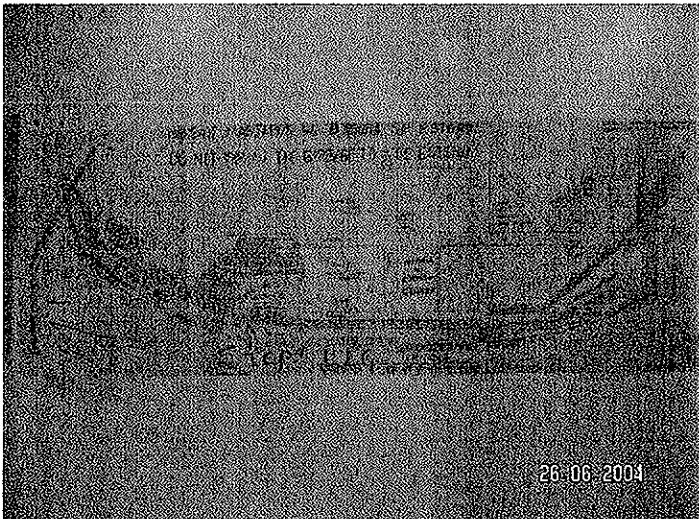
Barangay 195, City of Manila BEM Francisco Cirera leading the Invocation



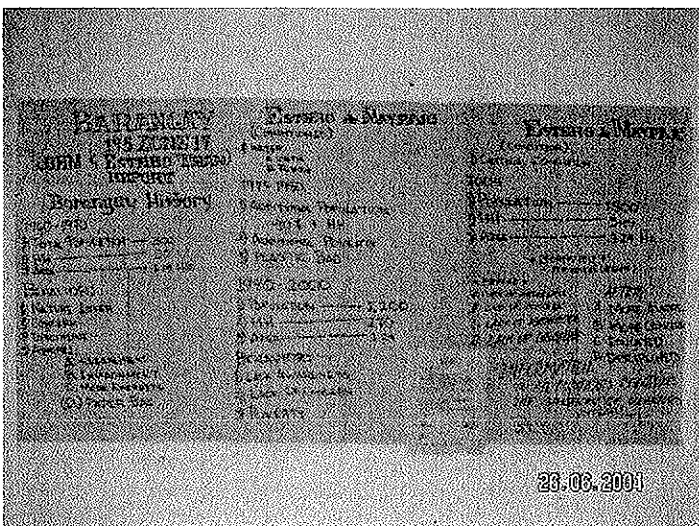
Dr. Felixberto Roquia on Methodology of Participatory Rapid Community Appraisal, assisted by the assigned Barangay Coordinator Engr. Leonardo Sanchez



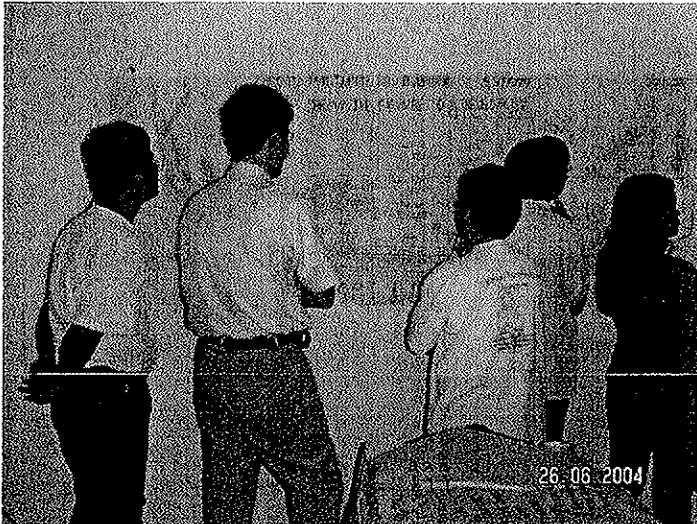
The Participants from  
Barangay 195, City of  
Manila



Map drawn by Team  
ESTERO Member  
Severino Reyes



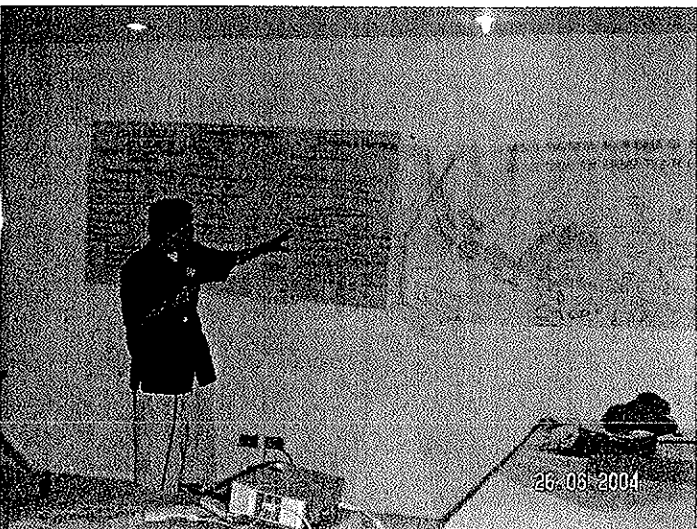
Barangay History of  
Barangay 195, City of  
Manila



Mr. Tadanori Kitamura and  
Barangay Coordinator Engr.  
Leonardo Sanchez examine  
the Map the Barangay  
prepared



The BEM and Team  
ESTERO on Application  
of Concepts

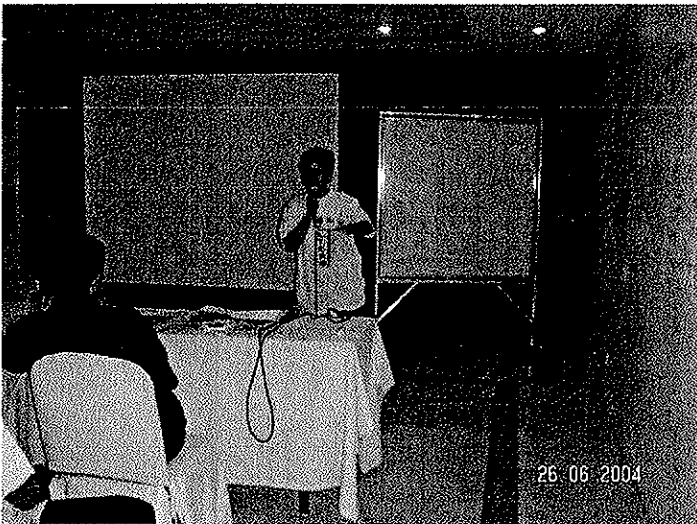


Plenary Session  
Presentation of Output by  
Barangay 195, City of  
Manila  
Chairman Nestor Ereño



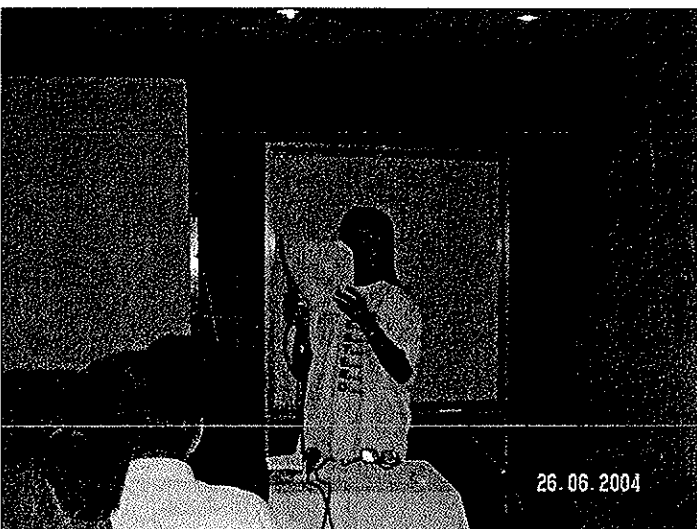
**Plenary Session**

**Presentation of Output by  
Barangay 195, City of  
Manila  
Team ESTERO Member  
Severino Reyes**



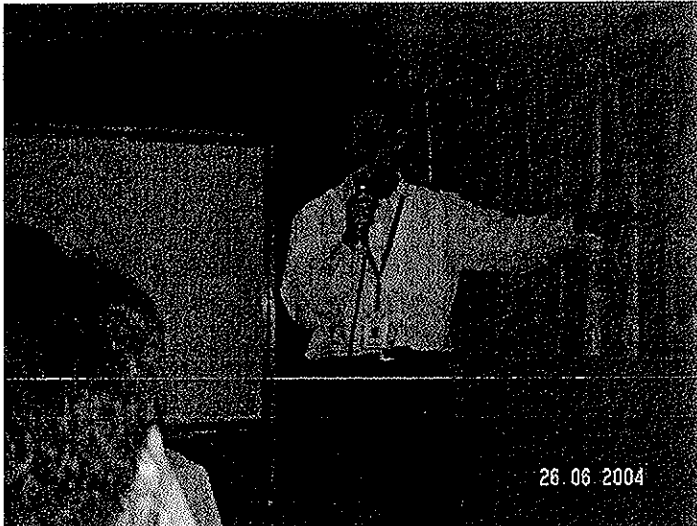
**Plenary Session**

**Presentation of Output by  
Barangay 195, City of  
Manila  
Team ESTERO Member  
Flordeliza Isip**

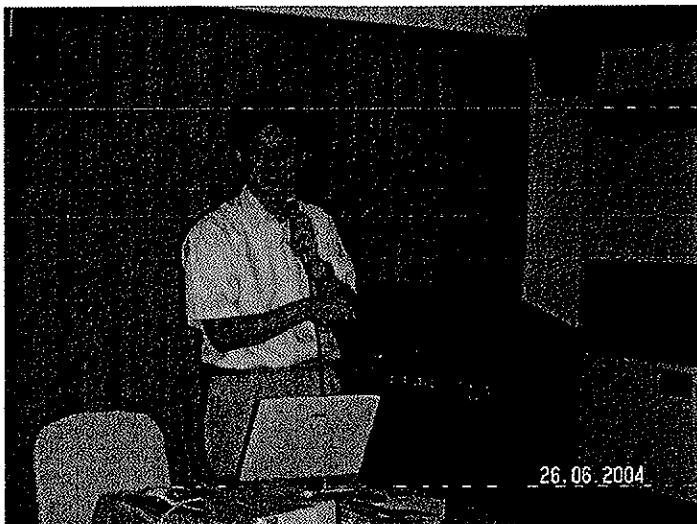


**Plenary Session**

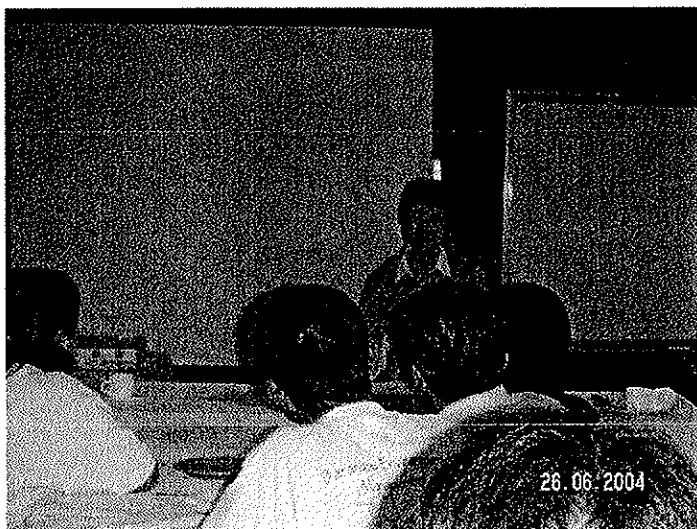
**Presentation of Output by  
Barangay 195, City of  
Manila  
Team ESTERO Member  
Analiza Lao**



Dr. Felixberto Roquia, Jr.  
recapping, commenting, and  
suggesting on the  
Participants Output



Mr. Tadanori Kitamura  
giving his Closing Remarks



Ms. Sonoe Yamada giving  
her Short Message



Group Picture of the  
Experimental Research  
Study Team with the  
Participants

Report for Proceedings - 4  
Stakeholder and S.W.O.T. Analysis Workshop  
for the BEM and Team ESTERO  
Barangay Palanan, Makati City

Date: July 3, 2004

Place: Barangay Hall Conference Room

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**Experimental Research for the Study on Drainage Improvement  
In the Core Area of Metropolitan Manila**

**STAKEHOLDER and SWOT ANALYSES  
WORKSHOP for BEM and TEAM ESTERO**

July 3, 2004  
1:00 pm – 6:00 pm  
Barangay Hall, Barangay Palanan, Makati City

**PROCEEDINGS**

**I. INTRODUCTION**

Three Barangay Units, Barangays 46, Pasay City, Palanan, Makati City, and 195 City of Manila, were selected for the Experimental Research for the Study on Drainage Improvement in the Core Area of Metropolitan Manila as typical and/or representative barangays in the Core Area of Metropolitan Manila (DICAMM) for the development of a model for Barangay Institutional System. The selection was based on certain conditions such as the character of the people, and types of problems in the areas.

In the Stakeholder and SWOT (Strengths, Weaknesses, Opportunities, Threats) Analyses Workshop for BEM (Barangay Environmental Manager) and Team ESTERO (Environmental Strategic Task for Estero Renewal Organizing) of Barangay Palanan, Makati City, the Experimental Research Study Team assisted the Barangay Participants in identifying their area's strengths, weaknesses, opportunities, and threats under each Focal Point, the Solid Waste Management, Beautification and Greening, Pollution Control, and Information, Education and Communication.

**II. PROFILE OF PARTICIPANTS**

The Organizer from the Experimental Research Study Team were in attendance for the July 3, 2004 Workshop at the Barangay Hall of Barangay Palanan, Makati City, headed by Dr. Felixberto H. Roquia, Jr. (Public Participation II-JICA Study Team) and assisted by Over-all Coordinator Mr. Jesus O. Averilla (Head/Env'I/Environment/Solid Waste Management-Counterpart Team), Barangay Coordinator for Barangay Palanan, Makati City Engr. Manuel Leaño (Solid Waste Analyst), Barangay Facilitator for Barangay 46, Pasay City Engr. Joselito B. Manooos (Public Participation-Counterpart Team), Barangay Coordinator for Barangay 195, City of Manila Engr. Leonardo Sanchez (Social Issue/Public Participation I-Counterpart Team), and Ms. Bridgette Bautista (Coordinator). The presence of the JICA Study Team-Team Leader Mr. Hajime Tanaka was also acknowledged.

Also there to assist in the Workshop were, Support Staff from JICA, Marie Payumo and Eileen Medina.

The eight participants from Barangay Palanan were finally able to complete their attendance; their BEM with the seven members of Team ESTERO.

### III. PRELIMINARIES

The Workshop began at 1:20 p.m. with an Opening Prayer led by Mr. Jesus Averilla, and then welcomed the participants. After which, each participant introduced themselves to the entire group. After Mr. Hajime Tanaka introduced himself, he gave a brief message to the participants and an explanation of the DICAMM Project. Then, the Barangay Coordinators and the Staff introduced themselves next.

### IV. PRESENTATION OF GATHERED DATA FOR BARANGAY PROFILE BY THE BARANGAY ENVIRONMENTAL MANAGER

Dr. Felixberto Roquia, Jr. started by following up on the data the BEM and Team ESTERO were supposed to gather for their Barangay Profile. Then, by briefing the Barangay Participants about the flow of this gathering, wherein it two parts. First part will be the formulation of their Vision of their Barangay, and the second part will be the SWOT Analysis and the Problem Tree.

The facilitation was passed onto BEM Roel Arevalo by giving the Experimental Research Study Team the updates on the data they have collected. There were still some data overlooked such as the History, all traditional activities and/or gatherings, specific diseases of Mortality and Morbidity Rates, names of hospitals and clinics/health centers, and drainages and outfalls. They have time to have the complete data needed by before the submission date, July 12, 2004 with the help of their Barangay Coordinator Engr. Manuel Leaño.

### V. VISIONING

The next activity was to make their Vision as Team ESTERO. Dr. Felixberto Roquia, Jr. showed and explained the BEM – ESTERO Vision:

*“A Barangay that is environmentally conscious and socially sensitive, enjoying a good quality of life with in the bounds of sustainable development towards the improvement of the Drainage and enhancement of the Estero.”*

He advised the Barangay Participants to come up with a realistic and doable Vision. He emphasized that they should think how they want to see their Barangay in the future. They were given 30 minutes complete this.

After a long list of ideas from each member, Dr. Felixberto Roquia, Jr. instructed Engr. Manuel Leaño to summarize these ideas into one thought. Finally, they came up with:

*“Isang Barangay kung saan ang lahat ng tao ay may pagkakaisa at pagtutulungan tungo sa isang mapayapang pamumuhay at malinis na kapaligiran para sa kasalukuyan at kinabukasan.”*

Mr. Jesus Averilla commented on the vision created by the Palanan Group. According to his judgment, the idea is too broad that the other Barangays would probably come up with such same thought, as well as the rest of the Barangays in Metropolitan Manila. Though he simply said that what has been formulated today may be revised later, but for the meanwhile, let their Vision be.

## VI. FOCAL POINTS AND ITS STRENGTHS, WEAKNESSES, OPPORTUNITIES, THREATS (SWOT)

Dr. Felixberto Roquia, Jr. discussed the four Focal Points and the SWOT Table that the participants will be filling up. The four Focal Points are the Solid Waste Management, Beautification and Greening, Control of Pollution, Information, Education and Communication. In each Focal Point they will identify its Strengths, Weaknesses, Opportunities and Threats. In the bigger space provided, they will write the Solutions and Strategies they have thought of basing from the Strengths and Opportunities for the Threats and Weaknesses they will also be identifying.

Afterwards, the participants were asked to work on their corresponding assignments. The Barangay Participants divided themselves into four groups for each Focal Point, and started working.

## VII. PRESENTATION OF SWOT

The participants presented their output. They started with the Solid Waste Management were presented by Gilda Garte and Emmanuel Avilio Jr., Team ESTERO Members. According to them, the Opportunity they considered was the additional income brought by selling non-biodegradable waste, which they gather from the Segregation Program in their Barangay. The Threats they mentioned were flood and sickness brought by the pollution in their area. The Strength is the cooperation of the residents of Barangay Palanan in cleaning their surroundings. Lack of knowledge and of unity is their Weakness. Their Solutions were to have Training on Solid Waste Management and talk to all the residents about the importance of segregation.

For Beautification and Greening, BEM Roel Arevalo and Team ESTERO Member Reneiboy Mocooy stated its Opportunities such as good sidewalks, clean estero, and less flooding in their area. The Threat they identified was flooding. For the Strengths, they have Department of Environmental Sanitation in the City of Makati and the Clean & Green of their Barangay Council. Their Weakness was the residents' violation of the Clean & Green Ordinance in their Barangay. They came up with such Solutions as, to orient the residents of the Barangay Programs to keep them aware; strict implementation of the laws, especially on putting up a house along or over the estero; to plant ornamental plants; and to organize a Barangay Police.

On Pollution Control by Team ESTERO Members Ryan Amante and Sonia Mariño, they identified its Opportunities as, the prevention of throwing toxic waste in the estero and smoke belching in the area. In due with the pollution, the Threats considered were health risk and many sickly residents. The Strength is the existence of their Department of Environmental Sanitation and the BEM – Estero to lead the residents in nurturing their surroundings. The Weakness is the residents have no concern about their environment.

For the Information, Education and Communication presented by Team ESTERO Members Ma. Lourdes Cambosa and Alfie Inigo, they identified the Opportunities as the average level of knowledge and awareness of the residents on Barangay Programs that will improve their surroundings due to effective communication to the residents by the Barangay Officials. The Threats identified were lack of budget and the ignorance of the goings on in their area. They said that the Strength they have was the existence of the NGOs (Non-Governmental

Organizations) and students who are helping them to learn more about disseminating information to the people in their Barangay. Lack of interest and ignorance of the residents of their Barangay were the things they considered their Weaknesses. They thought of finding a good job to support their family, attending seminars or workshops which tackle on how to improve your surroundings, more exposure of electronic communication like television and radio, and much effective dissemination of information would be the best Solutions to overcome the Threats and Weaknesses.

## VIII. DISCUSSION OF THE PROBLEM AND THE SOLUTION TREES

After the Barangay Palanan participants presented their work, Dr. Felixberto Roquia, Jr. started discussing The Problem Tree. He asked the participants what could possibly be the root cause of all the problems they are encountering. The participants admitted that encroaching is the root of the problem and because there are many informal settlers living there, the banks of the estero became crowded and at the same time being uncontrolled. The improper disposal of waste evidently resulted to sickness, air pollution, clogging, and flooding in their area.

In relocating the informal settlers, Dr. Felixberto Roquia, Jr. asked them what could be the reason why people already relocated are coming back and some do not want to be relocated at all. The participants disclosed that they have no proper consultation and planning in relocating the informal settlers, which surprises them whenever they arrive at the promised Relocation Site.

On The Solution Tree, Dr. Felixberto Roquia, Jr. asked the participants to identify the priority solution to their problem. The participants answered that Resettlement would be the solution to the root of the problem. Dr. Felixberto Roquia, Jr. assured them that the Study Team will be abiding the Resettlement Law (R.A. 7279) which is a pro-people Law; therefore, they need not to worry on the hassles experienced by the previous resettled informal settlers for this will assure them to be relocated in a good environment where there would be church, schools, water supply, electricity and the things a Community needs in a pleasant living. Engr. Joselito Manos mentioned about the program of the Government "Balik Probinsya" which provides the informal settlers from the provinces fare to go back to where they came from, as well as a capital to help them for a new start in supporting their families. But he added that before they will be qualified to those programs, they would be screened first because according to R.A. 7279 they will be paying an amount depending on their capability to pay.

When relocation was done there would be controlled organization, orderly housing resulting to a healthy environment. Strict compliance of R.A. 7279 will result to no returning of informal settlers and relocation will be fully accepted (Please see attached Problem and Solution Trees).

Team ESTERO Member Maria Lourdes Cambosa asked of other solutions aside from relocation, Dr. Felixberto Roquia, Jr. answered that the local government is to decide on that matter.

Engr. Joselito Manos told the participants that the amount they will be paying for the relocation will depend in their capacity but it will be minimal amount.

## IX. PROJECT RANKING

On the four Focal Points, the participants will rank these from 1-4 according to which Project they think should be prioritized. As a result of their Team discussion, Information, Education and Communication came as their first priority, second was the Solid Waste Management, third was the Pollution Control and last would be the Beautification and Greening.

## X. CLOSING

The Workshop ended at 6:00 p.m. with a prayer. The Organizers and the Barangay Participants thanked one another and hoped for a continuous cooperation and support.

## **ATTACHMENTS**

**Attachment-A****EXPERIMENTAL RESEARCH FOR DRAINAGE SYSTEM IMPROVEMENT IN THE CORE  
AREA OF METRO MANILA****STAKEHOLDER and S.W.O.T. ANALYSES  
WORKSHOP for BEM and TEAM ESTERO**

*Date: July 3, 2004 (Saturday)/1:00 p.m. - 6:00 p.m.  
Venue: Barangay Hall, Barangay Palanan, Makati City*

<b>NO.</b>	<b>NAME</b>	<b>POSITION</b>	<b>CONTACT NUMBERS</b>	<b>SIGNATURE</b>
1	Roel C. Arevalo	BEM	551-90-07	
2	Alfie S. Inigo	T. ESTERO	550-79-81	
3	Gilda N. Garte	T. ESTERO	0920-4705547	
4	Reneiboy O. Mocooy	T. ESTERO	0927-4046704	
5	Maria Lourdes Cambosa	T. ESTERO	0928-7135625	
6	Emmanuel B. Alivio Jr.	T. ESTERO	551-90-07	
7	Ryan C. Amante	T. ESTERO	758-95-21	
8	Leonardo P. Sanchez	Engineer III	304-38-15	
9	Manuel Leaño	Engineer IV	304-38-15	
10	Jesus O. Averilla	Supr. Env. Mgt. Specialist	304-3841-42	
11	Sonia O. Mariño	T. ESTERO	757-90-66	
12	Bridgette Bautista	Coordinator	304-38-41	
13	Marie Payumo	Secretariat	304-38-41	
14	Eileen B. Medina			
15	Hajime Tanaka	JICA Study Team – Team Leader		
16	Lito B. Manoos	DPWH	304-38-15	
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# **BEM – ESTERO VISION**

*A Barangay that is environmentally conscious and socially sensitive enjoying a good quality of life within the bounds of sustainable development.*

# **Barangay Palanan, Makati City**

## **FOCAL POINTS**

- 1. Solid Waste Management**
- 2. Beautification and Greening**
- 3. Pollution Control**
- 4. Information, Education, and Communication**

# SOLID WASTE MANAGEMENT

<p><b>Environment (Kapaligiran)</b></p> <p><b>Internal (Loob)</b></p>	<p><b>Opportunities (Pagkakataon)</b></p> <ul style="list-style-type: none"> <li>➤ Extra income for household expenses</li> </ul>	<p><b>Threats (Banta)</b></p> <ul style="list-style-type: none"> <li>➤ Diseases from handling unclean things and having a foul odor surroundings</li> <li>➤ Flooding</li> <li>➤ Scattered garbage in the estero and streets</li> </ul>
<p><b>Strengths (Lakas)</b></p> <ul style="list-style-type: none"> <li>➤ Helping one another in segregating the wastes orderly</li> <li>➤ Systematic garbage collection</li> </ul>	<ul style="list-style-type: none"> <li>❖ Communicate to the residents not to throw garbage in the estero and on streets, they should wait for the garbage truck to collect their wastes</li> <li>❖ Segregate wastes into biodegradable, non-biodegradable, and recyclable</li> <li>❖ Seek assistance from credible contacts who are knowledgeable of Solid Waste Management to orient and train the residents</li> <li>❖ Separate the recyclables from the garbage to be sold, aside from earning extra income, it would be of help in the reduction of waste generation</li> <li>❖ Not enough number of garbage truck, therefore, provide additional truck</li> <li>❖ All households should help one another in cleaning the surroundings</li> <li>❖ Do not throw garbage or any thing that would cause the estero to clog</li> </ul>	
<p><b>Weaknesses (Kahinaan)</b></p> <ul style="list-style-type: none"> <li>➤ Lack of knowledge and unity</li> </ul>		

# BEAUTIFICATION AND GREENING

<p><b>Environment</b> (Kapaligiran)</p> <hr/> <p><b>Internal</b> (Loob)</p>	<p><b>Opportunities (Pagkakataon)</b></p> <ul style="list-style-type: none"> <li>➤ Sidewalk beautification</li> <li>➤ Disease prevention</li> <li>➤ Make the estero clean</li> <li>➤ Lessen flood</li> </ul>	<p><b>Threats (Banta)</b></p> <ul style="list-style-type: none"> <li>➤ Sickness</li> <li>➤ Proliferation of houses along the estero</li> <li>➤ Clogging of estero</li> <li>➤ Flooding</li> </ul>
<p><b>Strengths (Lakas)</b></p> <ul style="list-style-type: none"> <li>➤ D.E.S. (Department of Environment and Sanitation) City of Makati</li> <li>➤ Clean and Green Committee of Barangay Council</li> </ul>	<ul style="list-style-type: none"> <li>❖ Have dialogue with the residents, informing them the effects of residing along esterros</li> <li>❖ Disseminate to the community the Programs of the Council</li> <li>❖ Implement the law, prohibiting the settling along the estero</li> <li>❖ Clean the esterros</li> <li>❖ Plant ornamental plants along sidewalks</li> <li>❖ Organize Environmental Police</li> </ul>	
<p><b>Weaknesses (Kahinaan)</b></p> <ul style="list-style-type: none"> <li>➤ Increasing number of informal settlers along the estero</li> <li>➤ Violation on Clean and Green Program</li> <li>➤ Garbage dumping in inappropriate areas</li> </ul>		

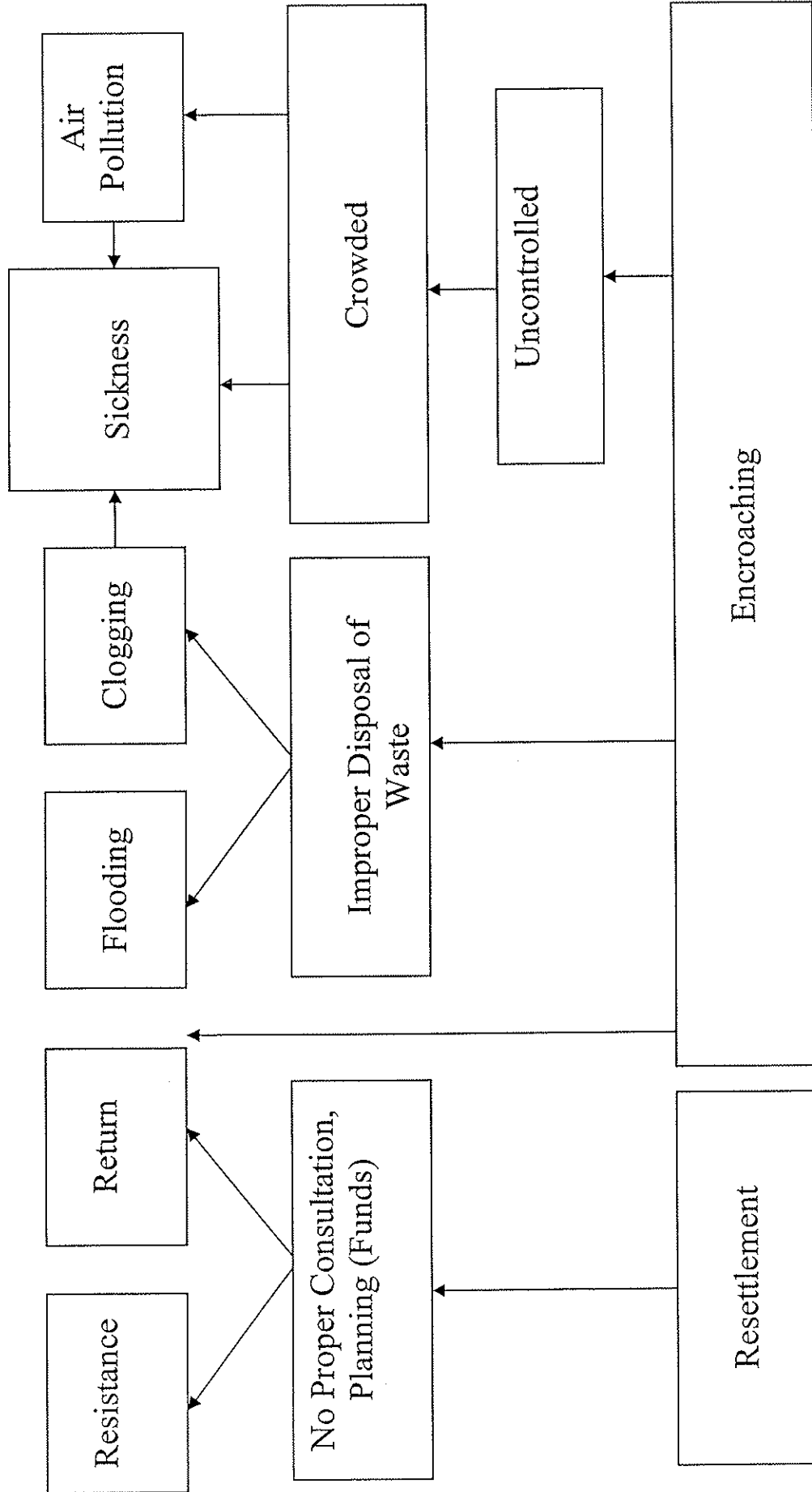
## POLLUTION CONTROL

<p style="text-align: center;"><b>Environment</b> (Kapaligiran)</p> <p style="text-align: center;"><b>Internal</b> (Loob)</p>	<p style="text-align: center;"><b>Opportunities</b> (Pagkakataon)</p> <ul style="list-style-type: none"> <li>➤ Stop smoke belching vehicles</li> <li>➤ Prevent throwing chemical wastes in inappropriate areas</li> </ul>	<p style="text-align: center;"><b>Threats</b> (Banta)</p> <ul style="list-style-type: none"> <li>➤ Children are sickly due to inhalation of smoke</li> <li>➤ Diseases from chemical inhalation</li> <li>➤ Smoke belching vehicles</li> <li>➤ Throwing of chemical wastes anywhere</li> </ul>
<p style="text-align: center;"><b>Strengths</b> (Lakas)</p> <ul style="list-style-type: none"> <li>➤ To create a law to stop people from being indifferent towards environment</li> <li>➤ D.E.S. of City of Makati</li> <li>➤ City Hall Health Department</li> </ul>	<ul style="list-style-type: none"> <li>❖ Confiscate smoke belching vehicles and punish the owners</li> <li>❖ Keep an eye on the persons throwing chemicals anywhere, then report to the authorities to be punished and learn from it</li> </ul>	
<p style="text-align: center;"><b>Weaknesses</b> (Kahinaan)</p> <ul style="list-style-type: none"> <li>➤ Air pollution and the diseases from it which may lead to death</li> <li>➤ Health hazard caused by inhalation of chemical wastes</li> </ul>		

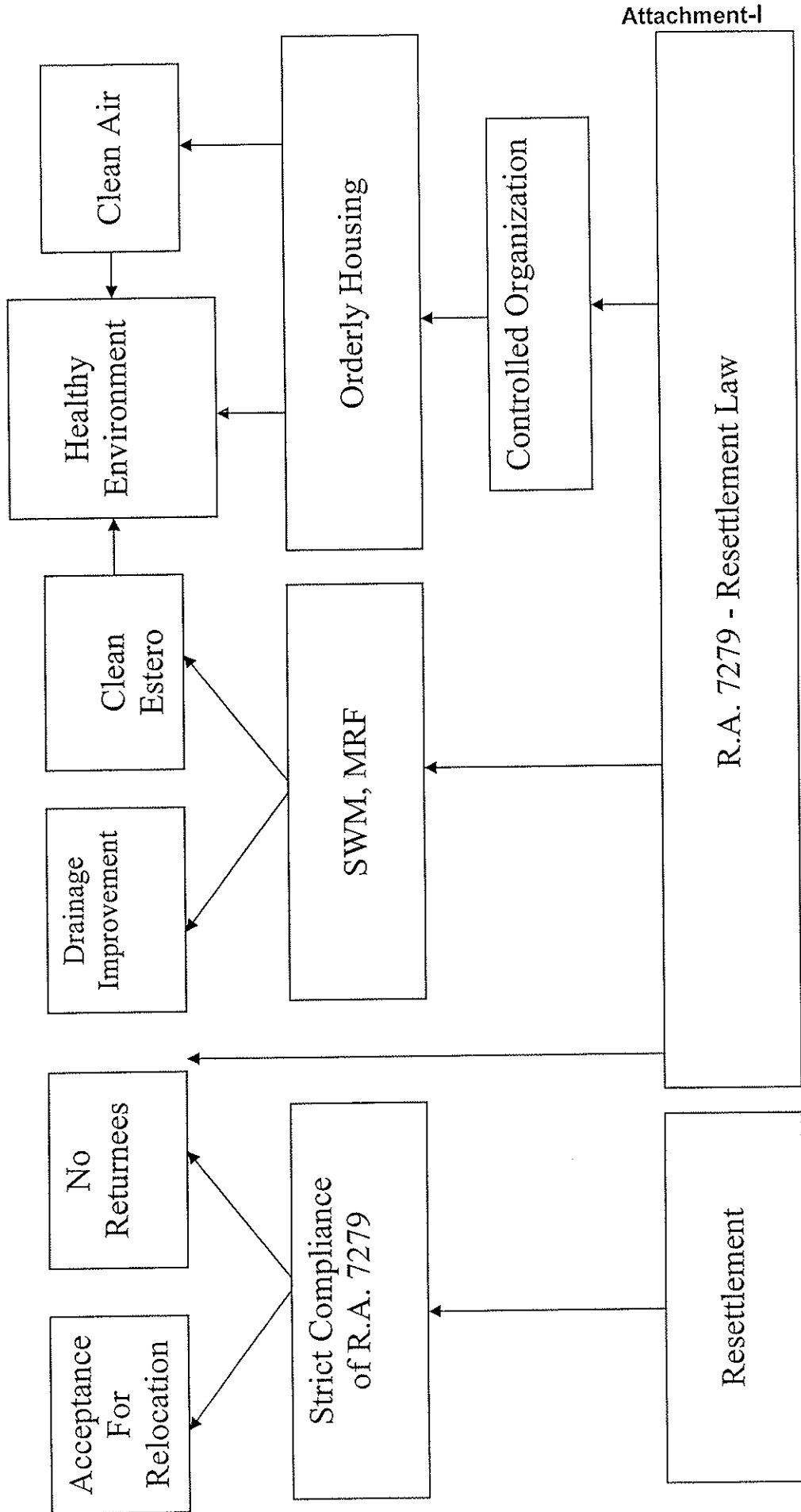
# INFORMATION, EDUCATION, AND COMMUNICATION

<p style="text-align: center;"><b>Environment</b> (Kapaligiran)</p> <hr/> <p style="text-align: center;"><b>Internal</b> (Loob)</p>	<p style="text-align: center;"><b>Opportunities (Pagkakataon)</b></p> <ul style="list-style-type: none"> <li>➤ Exchanging of knowledge between the ordinary residents and Barangay Officials</li> <li>➤ Clear communication resulting to common understanding</li> </ul>	<p style="text-align: center;"><b>Threats (Banta)</b></p> <ul style="list-style-type: none"> <li>➤ Lack of knowledge and awareness about their environment</li> <li>➤ Lack of budget for information dissemination campaign</li> <li>➤ Lack of knowledge and education which results to lack of self-confidence</li> </ul>
<p style="text-align: center;"><b>Strengths (Lakas)</b></p> <ul style="list-style-type: none"> <li>➤ NGOs clarifying the correct ways</li> <li>➤ Students imparting their knowledge about orderliness, health and other socially related facts</li> </ul>		
<p style="text-align: center;"><b>Weaknesses (Kahinaan)</b></p> <ul style="list-style-type: none"> <li>➤ Unconcerned citizens</li> <li>➤ Those who are fond of not attending Barangay Meetings</li> <li>➤ Plain listeners, no actions being done</li> <li>➤ Playing clueless even they really are knowledgeable of things</li> </ul>		<ul style="list-style-type: none"> <li>❖ Mold oneself to be educated and be able to get a decent job in the future</li> <li>❖ More seminars and workshops related to environment and its importance; frequent viewing to television or tuning in to radio to broaden knowledge and awareness</li> <li>❖ Organize a group for Information Campaign and encourage the citizens to cooperate for the betterment of their area</li> <li>❖ Distribution of pamphlets and if possible, post announcements or advertisements on television</li> </ul>

THE PROBLEM TREE



**THE SOLUTION TREE**

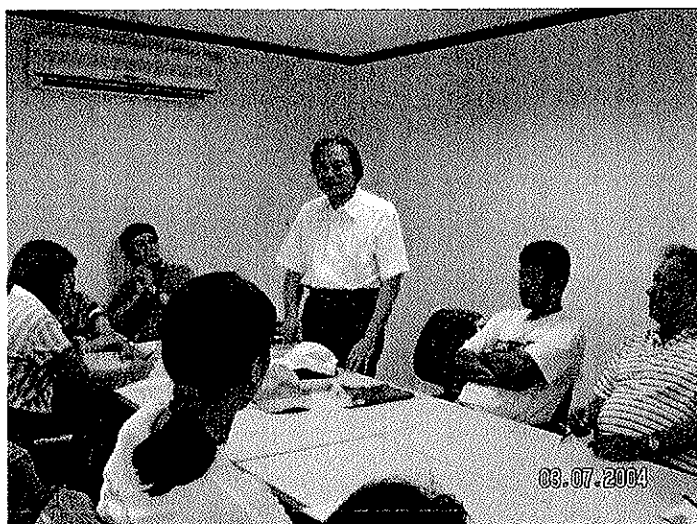


Attachment-I

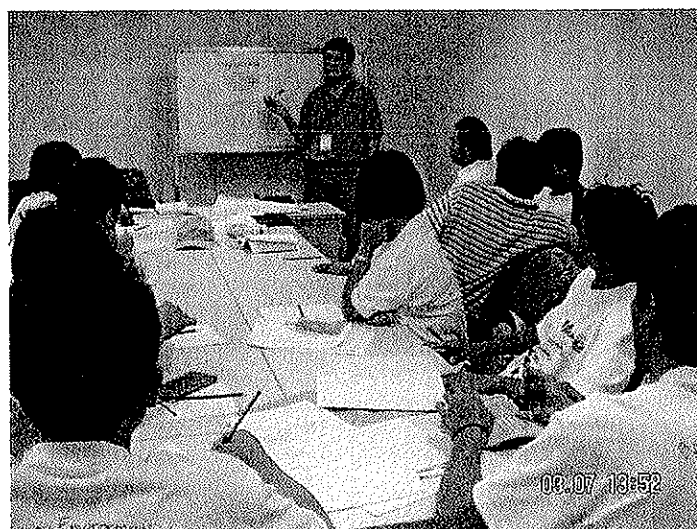




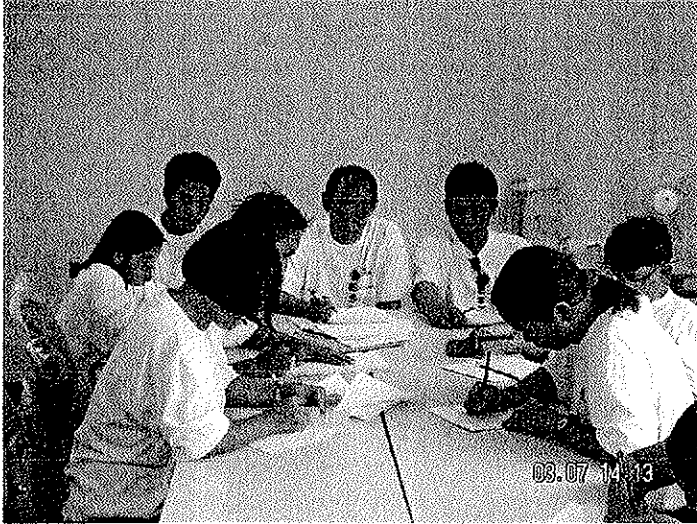
The Experimental Research  
Team and BEM-ESTERO  
Team



Mr. Hajime Tanaka giving the  
Opening Remarks



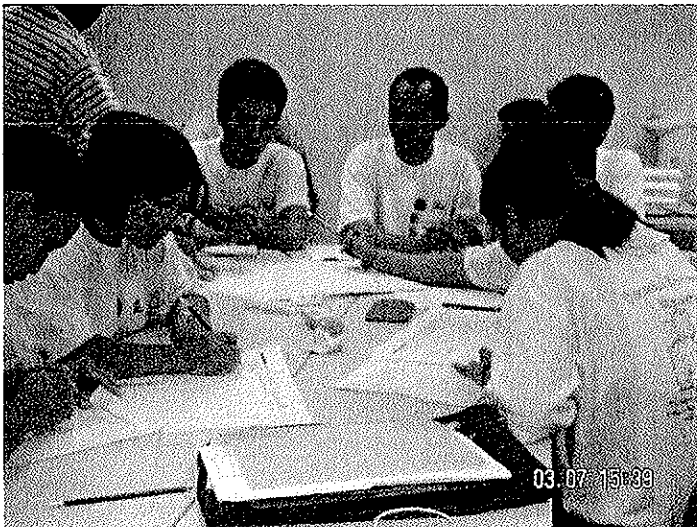
Dr. Felixberto Roquia, Jr.  
facilitating the Visioning



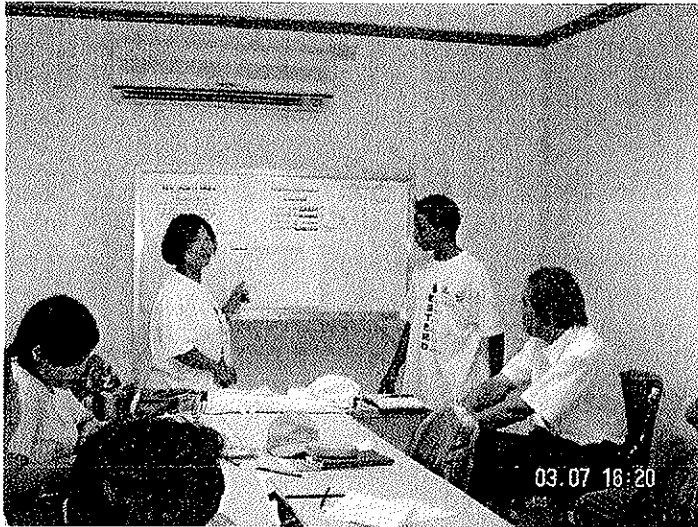
The Barangay Palanan Group  
is working on their Vision



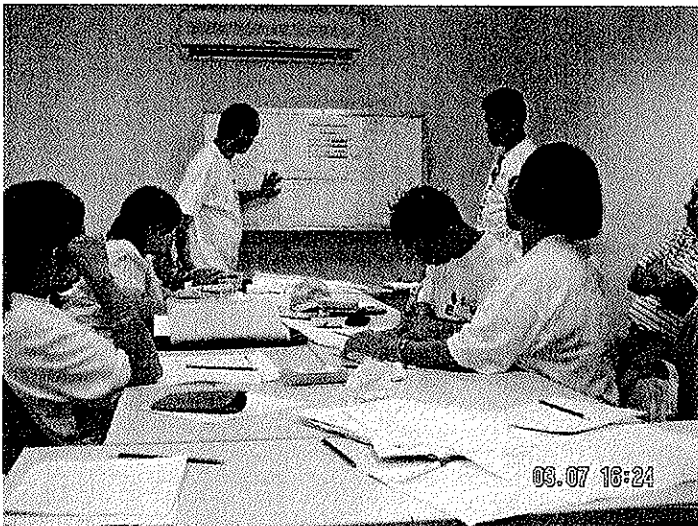
Dr. Felixberto Roquia, Jr.  
explaining the Focal Points  
and SWOT



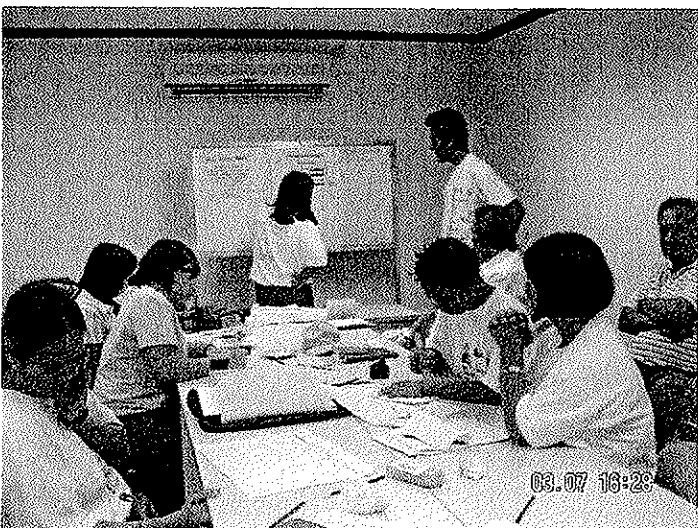
The Barangay Palanan Group  
is working on the SWOT



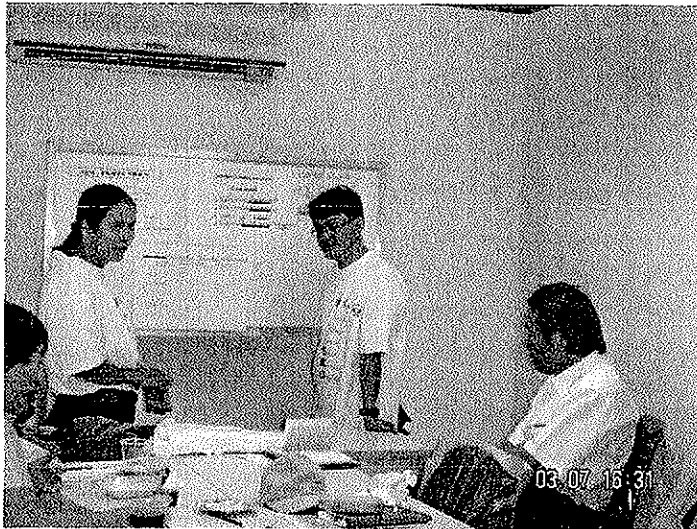
**Ms. Gilda Garte and Mr. Emmanuel Alivio reporting the SWOT of the Solid Waste Management**



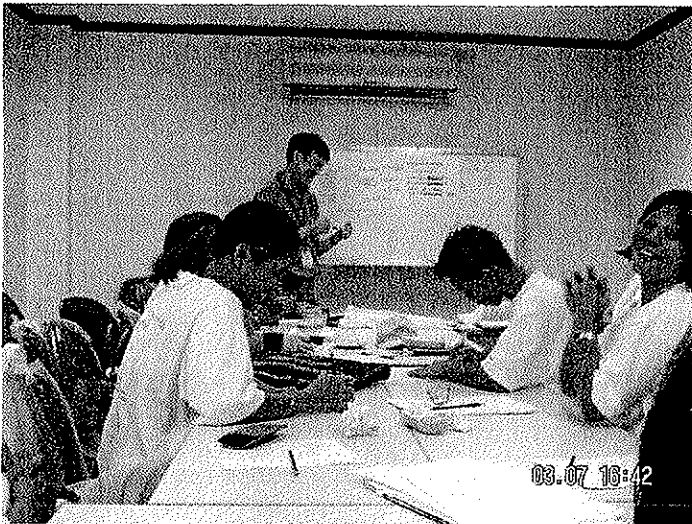
**BEM Benjamin Evangelista and Mr. Renieboy Moco reporting the SWOT of the Beautification and Greening**



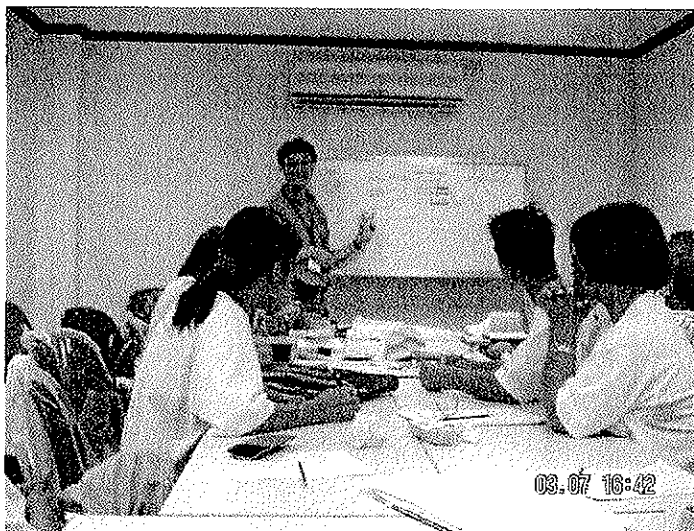
**Ms. Sonia and Mr. Ryan Amante reporting the SWOT of the Pollution Control**



**Ms. Ma. Lourdes Cambosa  
and Mr. Alfie Inigo reporting  
the SWOT of the  
Information, Education, and  
Communication**



**Dr. Felixberto Roquia, Jr.  
identifying the root cause of  
the problem using The  
Problem Tree**



**Dr. Felixberto Roquia, Jr.  
identifying the priority  
solution to the problem  
using The Solution Tree**

Report for Proceedings - 5  
Stakeholder and S.W.O.T. Analysis Workshop  
for the BEM and Team ESTERO  
Barangay 195, City of Manila

Date: July 5, 2004

Place: Barangay Hall

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**Experimental Research for the Study on Drainage Improvement  
In the Core Area of Metropolitan Manila**

**STAKEHOLDER and SWOT ANALYSES  
WORKSHOP for BEM and TEAM ESTERO**

July 5, 2004  
8:00 a.m. – 5:00 p.m.  
Barangay Hall, Barangay 195, City of Manila

**PROCEEDINGS**

**I. INTRODUCTION**

Three Barangay Units, Barangays 46, Pasay City, Palanan, Makati City, and 195 City of Manila, were selected for the Experimental Research for the Study on Drainage Improvement in the Core Area of Metropolitan Manila as typical and/or representative barangays in the Core Area of Metropolitan Manila (DICAMM) for the development of a model for Barangay Institutional System. The selection was based on certain conditions such as the character of the people, and types of problems in the areas.

In the Stakeholder and SWOT (Strengths, Weaknesses, Opportunities, Threats) Analyses Workshop for BEM (Barangay Environmental Manager) and Team ESTERO (Environmental Strategic Task for Estero Renewal Organizing) of Barangay 195, City of Manila, the Experimental Research Study Team assisted the Barangay Participants in identifying their area's strengths, weaknesses, opportunities, and threats under each Focal Point such as the Solid Waste Management, Beautification and Greening, Pollution Control, and Information, Education and Communication.

**II. PROFILE OF PARTICIPANTS**

All Organizers from the Experimental Research Study Team were present for the Workshop at the Barangay Hall of Barangay 195, City of Manila, Dr. Felixberto H. Roquia, Jr. (Public Participation II-JICA Study Team), Over-all Coordinator Mr. Jesus O. Averilla (Head/Env'I/Environment/Solid Waste Management-Counterpart Team), Barangay Coordinator for Barangay Palanan, Makati City Engr. Manuel Leaño (Solid Waste Analyst), Barangay Facilitator for Barangay 46, Pasay City Engr. Joselito B. Manoos (Public Participation-Counterpart Team); Barangay Coordinator for Barangay 195, City of Manila Engr. Leonardo Sanchez (Social Issue/Public Participation I-Counterpart Team), and Ms. Bridgette Bautista (Coordinator).

Also there to assist in the Workshop were, Support Staff from JICA, Ms. Marie Payumo and Ms. Eileen Medina.

The eight participants from Barangay 195 were able to give a complete attendance; the BEM and the 7 Team ESTERO Members. The Barangay Chairman Barangay Secretary, and a Kagawad in charge of the Clean and Green Programs of the Barangay, were also present.

### III. PRELIMINARIES

The Workshop officially started at 9:35 a.m. It was started by a prayer led by BEM Francisco Cirera. This was followed by Mr. Jesus Averilla welcoming the participants and then went on to the introduction of participants.

### IV. PRESENTATION OF GATHERED DATA FOR BARANGAY PROFILE BY THE BARANGAY ENVIRONMENTAL MANAGER

Dr. Felixberto Roquia, Jr. started with a recap of the previous activities and an explanation of the on-going Project, together with the necessity of familiarizing and documenting the Barangay Present Situation, as well as its History. In connection to this, he asked for the status and development of the Barangay Profile the Barangay Participants were tasked to complete from last week's Workshop.

According to BEM Francisco Cirera, their Team visited the neighborhood and declared that 80% of residents have refrained from throwing their garbage in the estero since the day they have sent out the leaflets of information to them. Also, he proudly stated that they have started the Estero Clean-up in their vicinity just yesterday (July 4, 2004) and he was grateful for the cooperation their Community is giving. In this clean-up, the waste that they will be collecting will be segregated. The non-biodegradable wastes will be given to the dump truck, while the biodegradable will be used as compost to be fertilizers.

He reported that the children's fecal wastes on the streets have vanished since the dissemination they have done. He added that comfort rooms have no septic tank, which causes the wastes to go directly to the drainage. And along the estero, they have two big pipes where they have assigned persons to watch over the residents who will attempt to throw garbage in area.

For their demography, they need to provide the accurate population of male, female, youth and the elders in their Barangay. Team ESTERO Member Severino Reyes mentioned about the identification of residents they are doing, wherein they have encountered several arguing residents. Team ESTERO Member Rosalinda Antonio added that most of the residents in their Barangay preferred not to interact with them because they feel threatened of the possible relocation or, worse, demolition of their residences. Dr. Felixberto Roquia, Jr. taught the Barangay Participants the appropriate approaches to get the residents cooperation.

### V. FOCAL POINTS AND ITS STRENGTHS, WEAKNESSES, OPPORTUNITIES, THREATS (SWOT)

Came next was Dr. Felixberto Roquia, Jr.'s introduction of the four Focal Points of the project; Solid Waste Management, Beautification and Greening, Pollution Control and the Information, Education and Communication. For each Focal Point a SWOT Table was prepared for the Barangay Participants to identify its strengths, weaknesses, opportunities and threats. In the Table, a big space was provided for the Solutions and Strategies to the Threats and Weaknesses they have identified.



The participants were given 30 minutes to work on the activity and were divided into pairs according to their chosen Focal Points.

## VI. PRESENTATION OF SWOT

On the Presentation of SWOT, for the Pollution Control, Team ESTERO Member Analiza Lao presented their output. She cited the Opportunities they have identified, avoidance of sickness and the residents are healthy. Threats were death due to toxic waste thrown in the estero and the bad smell it cause. Strengths were the organization of BEM and Team ESTERO, Anti-pollution Committee and Barangay Ordinance on Noise pollution. Weaknesses would be the lack of concern and stubborn residents. The Solutions given were, to orient the residents to refrain from throwing garbage in the estero, as well as the owners of tricycles to repair their vehicles to eliminate smoke belching. Dr. Felixberto Roquia, Jr. summarized these ideas that there should be strict implementation of anti-pollution law.

For the Solid Waste Management, presented by Team ESTERO Member Rosalinda Antonio, the Opportunities they identified were the funds they have raised from the recyclable and reusable wastes they have collected and sold. The Threats were flooding, death, illness, pollution. The unity of their Barangay and knowledge on proper disposal of waste are their Strengths, while the Weakness was the residents' lack of discipline. As a solution, she stated that there should be effective dissemination of information about segregation and proper time of garbage collection in the Barangay. Engr. Joselito Manoos asked Rosalinda Antonio, if there is any problem in the collection of garbage in their area, she answered there is none, but the container they use for accommodating the garbage is now incapable of accommodating the rest. Barangay Chairman Nestor Ereño added that the Barangay has no sufficient fund to provide additional container needed.

BEM Francisco Cirera presented the Beautification and Greening. He said that the Opportunities in their Barangay were the healthy residents and the clean environment. Sickness especially with children and warm environment were the Threats. Their Strengths were the organization of BEM and Team ESTERO, Kagawad, Tanod and their budget for their Clean and Green Program in Barangay. Lack of concern was their Weakness. The Solution was to educate the residents of Barangay 195 in planting trees and avoid cutting of trees. Barangay Chairman Nestor Ereño cited a sample project they have in their Barangay for Beautification, to repaint households and their Daycare Center along with their Barangay Hall. Engr. Lito Manoos reminded the Barangay Chairman and the participants that the parking should be included in the Clean and Green program of Barangays.

Team ESTERO Member Flordeliza Isip presented the Information, Education and Communication. The Opportunity was the informed residents of the programs of their Barangay. The Threat they identified was the ignorance of the residents. Being responsible and aggressive was the Strength, while the Weaknesses were lack of unity and lack of interest of some residents. She stated that the solution would be an orientation of the residents about the Projects of their Barangay on the improvement of their surroundings and to educate the people on how to take care of the environment. Dr. Roquia suggested that the Barangay should organize a group that will be in charged

of the visual aids and dissemination to the people in making them aware about the Barangay Programs.

## VII. DISCUSSION OF THE PROBLEM AND THE SOLUTION TREES

Dr. Felixberto Roquia, Jr. discussed about The Problem Tree by asking the participants' ideas of the possible root cause of the problem. On The Problem Tree the root cause identified was the Informal Settlers. And because there were so many people living in their Barangay, there was congestion. The people have no concern with their surroundings and there was an increase of volume of garbage, which resulted to high incidence of sickness, pollution and polluted surroundings.

The Solution Tree begins by the priority solution to the problem, which is to organize the settlers. If the informal settlers will be organized, the area will be decongestion and the residents will increase their level of concern to their surroundings and there would be proper Solid Waste Management. As a result there would be no pollution and the incidence of sickness will be reduced.

## VIII. PROJECT RANKING

The Barangay 195 BEM and Team ESTERO were asked to rank the four Focal Points according to their choice which Project to prioritize for the fulfillment of the Project's objectives. Their Barangay Facilitator Engr. Leonardo Sanchez, guided them to decide which Project is best to prioritize.

As agreed by the body, Information, Education and Communication ranked first. Next was the Solid Waste Management, followed by the Beautification and Greening, then by the Pollution Control.

## IX. CLOSING

The Workshop ended at 4:00 p.m. The Organizers and the Barangay Participants thanked one another and hoped for a continuous cooperation and support.

# **ATTACHMENTS**

EXPERIMENTAL RESEARCH FOR DRAINAGE SYSTEM IMPROVEMENT IN THE CORE  
AREA OF METRO MANILA

**STAKEHOLDER and S.W.O.T. ANALYSES  
WORKSHOP for BEM and TEAM ESTERO**

*Date: July 5, 2004 (Monday)/8:00 a.m.-5:00 p.m.  
Venue: Barangay Hall, Barangay 195, City of Manila*

NO.	NAME	POSITION	CONTACT NUMBERS	SIGNATURE
1	Lao, Annaliza A.	Member	0916-4393695	
2	Cerira, Francisco	BEM		
3	Reyes, Severino	Member	0917-6929053	
4	Ereño, Nestor	Brgy Chairman	0919-3552536	
5	Isip, Flordeliza	Member	0919-6733536	
6	Bautista, Arlene	Member	360-24-70	
7	Antonio, Rosalinda	Member	360-24-70	
8	Rosas, Jean	Member	0910-6149031	
9	Bayna, Joey	Member		
10	Paras, Pacita	Kagawad	360-47-99	
11	Godoy, Gerry	Kagawad		
12	Domingo, Nestor	Ex – O		
13	Nonles, Vilma	Secretary	0920-4343884	
14	Eslira, Alberto	Brgy. Police		
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# **BEM — ESTIERO VISION**

*A Barangay that is environmentally conscious and socially sensitive enjoying a good quality of life within the bounds of sustainable development.*

# **Barangay 195, City of Manila**

## **FOCAL POINTS**

- 1. Solid Waste Management**
- 2. Beautification and Greening**
- 3. Pollution Control**
- 4. Information, Education, and Communication**

# SOLID WASTE MANAGEMENT

<p><b>Environment</b> (Kapaligiran)</p> <hr/> <p><b>Internal</b> (Loob)</p>	<p><b>Opportunities</b> (Pagkakataon)</p> <ul style="list-style-type: none"> <li>➤ Generating money from wastes</li> <li>➤ Having Projects</li> <li>➤ Having beautiful and clean environment</li> </ul>	<p><b>Threats</b> (Banta)</p> <ul style="list-style-type: none"> <li>➤ Littering which causes flooding</li> <li>➤ Diseases which causes death</li> <li>➤ Pollution (noise, air, water)</li> </ul>
<p><b>Strengths</b> (Lakas)</p> <ul style="list-style-type: none"> <li>➤ Having knowledge on solid waste</li> <li>➤ Having discipline</li> </ul>	<ul style="list-style-type: none"> <li>❖ Fogging of the vicinity every 2-3 months to prevent dengue and cholera</li> <li>❖ Impart information regarding the importance and correct management of garbage</li> <li>❖ Prompt collection of garbage</li> </ul>	
<p><b>Weaknesses</b> (Kahinaan)</p> <ul style="list-style-type: none"> <li>➤ Inconsiderate residents and no unity among them</li> <li>➤ No discipline</li> <li>➤ Lack of garbage container, push cart, broom and dust pan, and budget for it</li> </ul>		

# BEAUTIFICATION AND GREENING

<p><b>Environment (Kapaligiran)</b></p>	<p><b>Opportunities (Pagkakataon)</b></p> <ul style="list-style-type: none"> <li>➤ Fresh air, pleasant scenery, birds and butterflies are visible</li> </ul>	<p><b>Threats (Banta)</b></p> <ul style="list-style-type: none"> <li>➤ Warm environment</li> <li>➤ No fresh air</li> <li>➤ Dusty surroundings</li> <li>➤ Diseases</li> </ul>
<p><b>Internal (Loob)</b></p>	<p><b>Strengths (Lakas)</b></p> <ul style="list-style-type: none"> <li>➤ Provide funds for the Barangay</li> <li>➤ Barangay Councils and BEM-ESTERO</li> </ul>	<ul style="list-style-type: none"> <li>❖ Teach the Barangay Citizens to sow plants and trees</li> <li>❖ Teach the children about the importance of plants</li> <li>❖ Prohibition of tree-cutting</li> <li>❖ Regular repainting of walls and gutters every 6 months</li> </ul>
<p><b>Weaknesses (Kahinaan)</b></p> <ul style="list-style-type: none"> <li>➤ Citizens who do not care about the environment</li> </ul>		



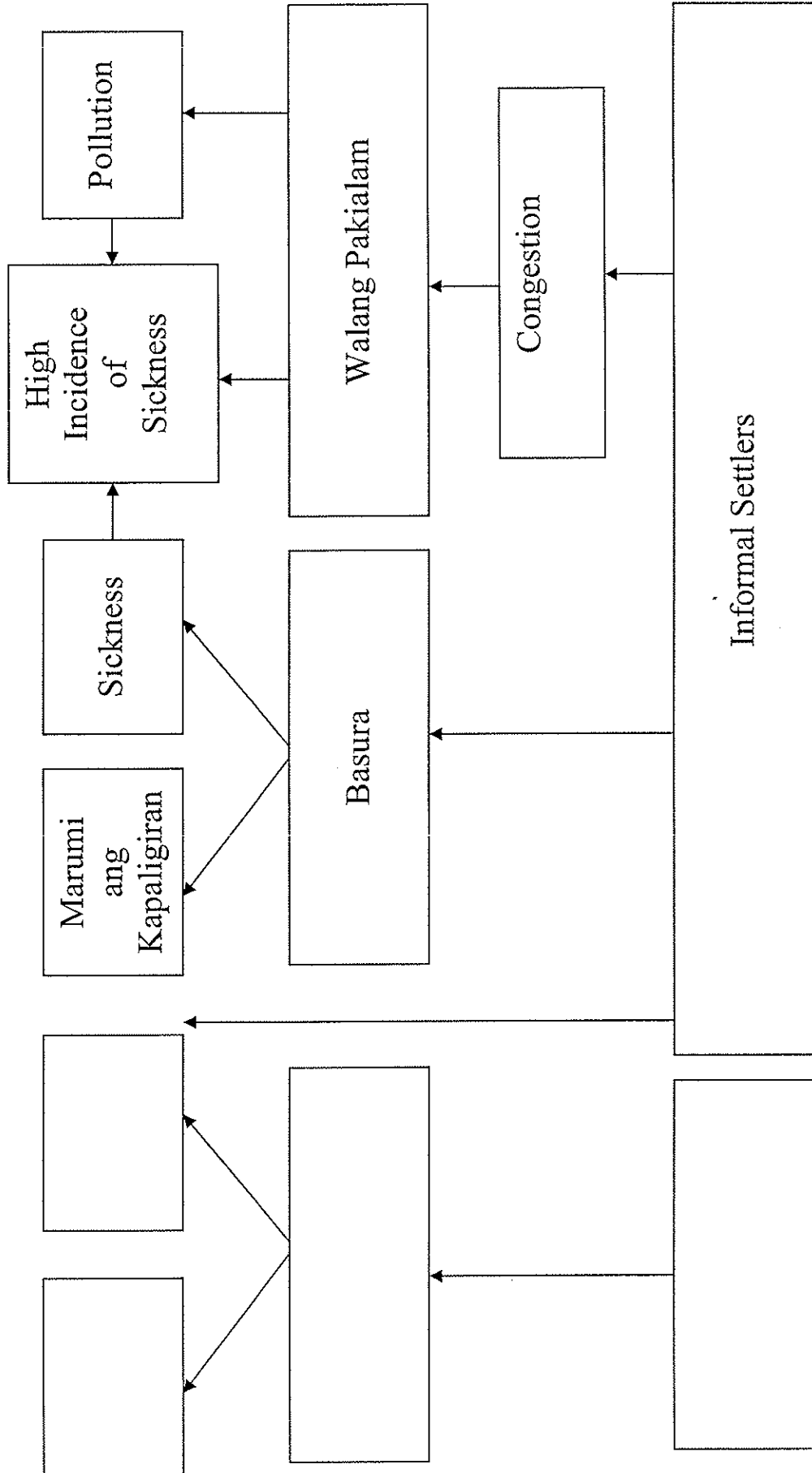
# POLLUTION CONTROL

<p><b>Environment (Kapaligiran)</b></p> <p><b>Internal (Loob)</b></p>	<p><b>Opportunities (Pagkakataon)</b></p> <ul style="list-style-type: none"> <li>➤ Disease prevention</li> <li>➤ Energetic citizens</li> <li>➤ Peaceful living</li> </ul>	<p><b>Threats (Banta)</b></p> <ul style="list-style-type: none"> <li>➤ Diseases</li> <li>➤ Death</li> <li>➤ Poisoning</li> </ul>
<p><b>Strengths (Lakas)</b></p> <ul style="list-style-type: none"> <li>➤ Unity of Barangay Citizens</li> <li>➤ BEM-ESTERO and Barangay Officials</li> <li>➤ Anti-pollution Committee</li> <li>➤ Implement discipline</li> <li>➤ Barangay Ordinances (noise pollution, burning)</li> </ul>	<ul style="list-style-type: none"> <li>❖ Refrain from throwing garbage anywhere</li> <li>❖ Inspect all vehicles</li> <li>❖ Preventing the animals from scattering their droppings</li> <li>❖ Implementation of existing Ordinances</li> <li>❖ Strict implementation of anti-pollution law and ordinance</li> </ul>	
<p><b>Weaknesses (Kahinaan)</b></p> <ul style="list-style-type: none"> <li>➤ Irritably witty residents</li> <li>➤ Disobedience</li> <li>➤ No concern</li> <li>➤ Minimal penalties</li> </ul>		

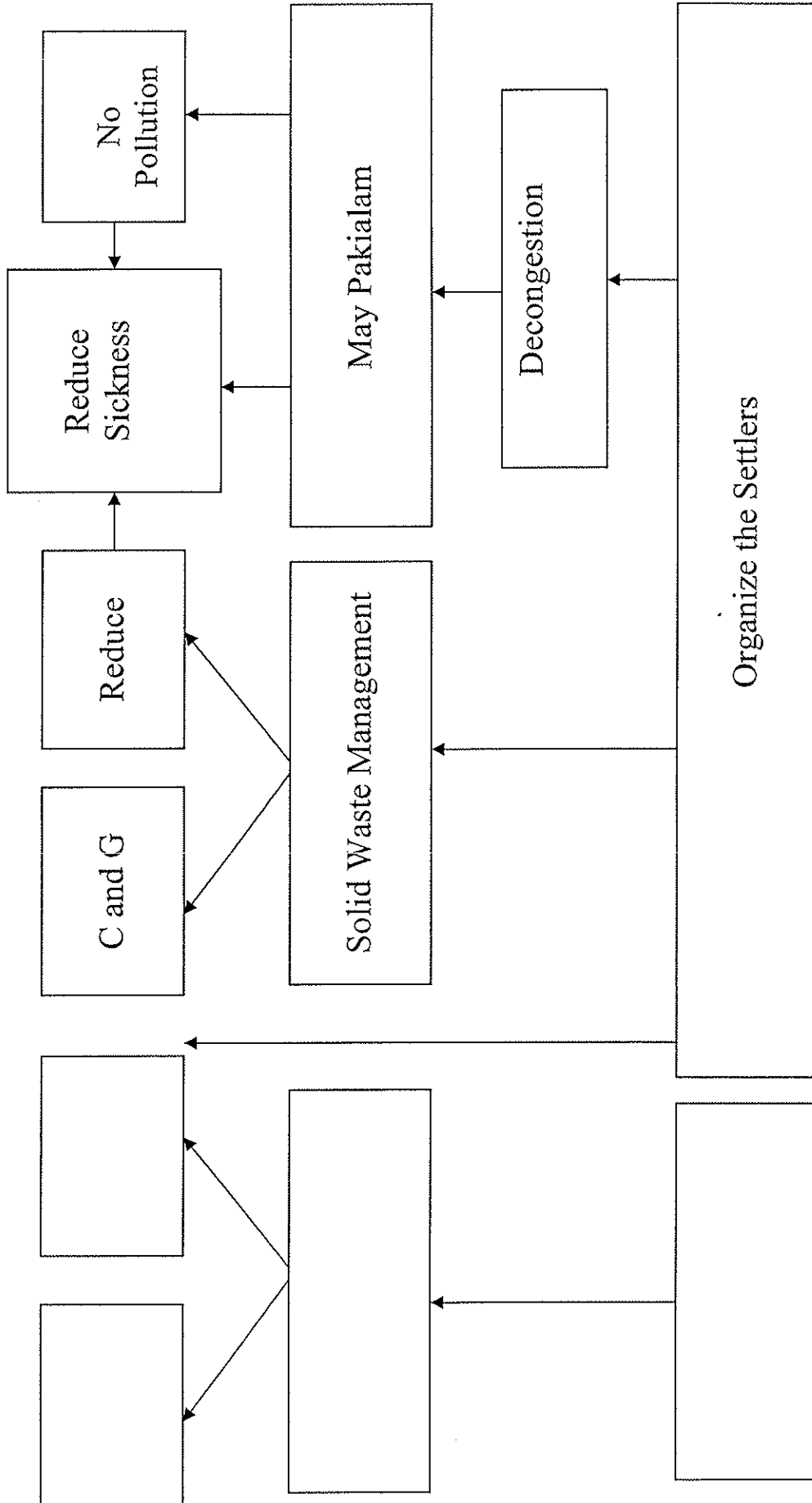
# INFORMATION, EDUCATION, AND COMMUNICATION

<p><b>Environment (Kapaligiran)</b></p> <p><b>Internal (Loob)</b></p>	<p><b>Opportunities (Pagkakataon)</b></p> <ul style="list-style-type: none"> <li>➤ Developing of knowledge regarding the vision</li> <li>➤ Improve self-discipline</li> <li>➤ Self-confidence</li> <li>➤ Environment awareness</li> <li>➤ Obeying the law</li> <li>➤ Responsible, aggressive, concerned</li> </ul>	<p><b>Threats (Banta)</b></p> <ul style="list-style-type: none"> <li>➤ Unaware of the goings on in life and environment for the future</li> <li>➤ Threat of innocence</li> <li>➤ Unconcerned, life will not progress</li> </ul>
<p><b>Strengths (Lakas)</b></p> <ul style="list-style-type: none"> <li>➤ Day Care Center</li> <li>➤ Barangay Information</li> <li>➤ BEM-ESTERO Team</li> </ul>	<ul style="list-style-type: none"> <li>❖ Information dissemination</li> <li>❖ Learn the correct approaches for the development of the Barangay</li> <li>❖ Coordination with the BEM-ESTERO and Barangay Officials</li> <li>❖ Meeting/Dialogue</li> <li>❖ Posting of visual aides</li> <li>❖ Educate the Barangay regarding barangay development</li> <li>❖ Training</li> <li>❖ Organize a group responsible of creating the aides</li> </ul>	
<p><b>Weaknesses (Kahinaan)</b></p> <ul style="list-style-type: none"> <li>➤ Lack of unity</li> <li>➤ Lack of concern</li> <li>➤ Lack of interest</li> <li>➤ No funds for planning program or budget for development</li> </ul>		

**THE PROBLEM TREE**



**THE SOLUTION TREE**

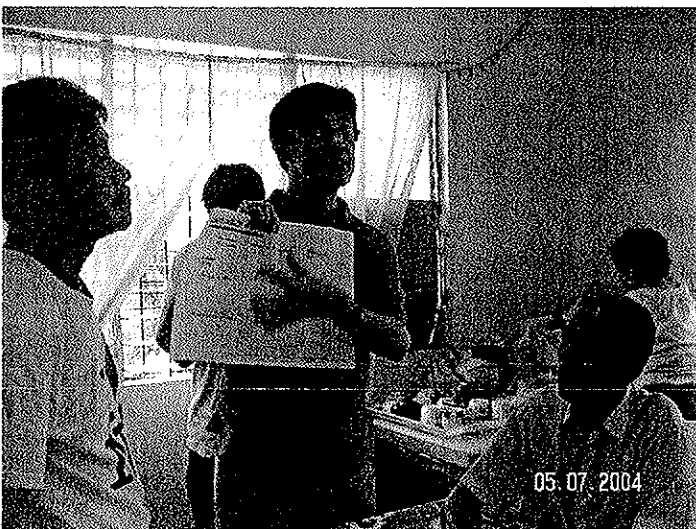




The Organizers and  
Participants



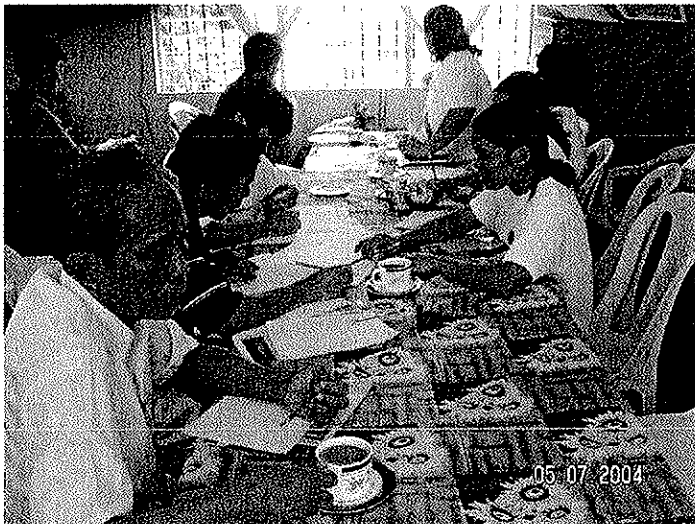
Dr. Felixberto Roquia, Jr.  
explaining the day's activity



Dr. Felixberto Roquia, Jr.  
explaining the SWOT Table  
to be filled up by the  
Participants



The Participants are teaming up themselves for the task



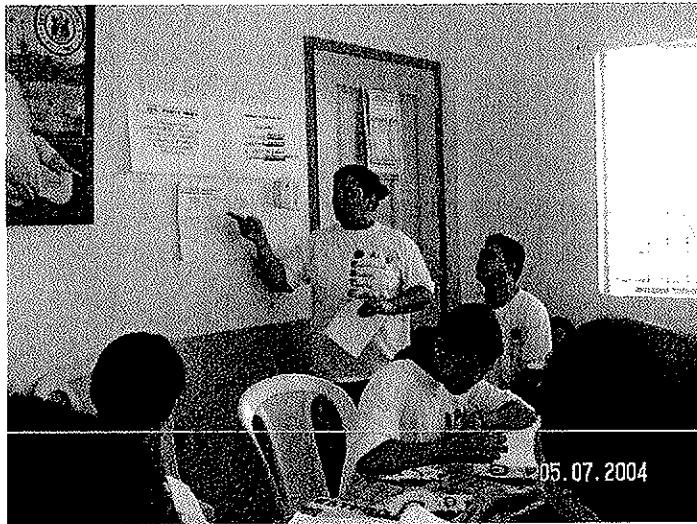
The Participants are working on the identification SWOT in their respective Focal Point



Ms. Flordeliza Isip reporting the SWOT of the Information, Education, and Communication



Ms. Analiza Lao  
reporting the SWOT of  
the Pollution Control



Ms. Rosalinda Antonio  
reporting the SWOT of  
the Solid Waste  
Management



BEM Francisco Cirera  
reporting the SWOT of  
the Beautification and  
Greening



Dr. Felixberto Roquia, Jr.  
identifying the root cause  
of the problem using The  
Problem Tree



Dr. Felixberto Roquia, Jr.  
identifying the priority  
solution to the problem  
using The Solution Tree