

**METROPOLITAN MANILA DEVELOPMENT AUTHORITY
AND
JAPAN INTERNATIONAL COOPERATION AGENCY**

**PILOT PROJECT ON
IMPROVEMENT OF COLLECTION SYSTEM
BGY. BAYAN-BAYANAN, MUNICIPALITY OF MALABON**

CLEAN UP DAY PROGRAMME

March 12, 1998, 8:00 a.m.

Venue : Liwayway St.

- 8:00 - 8:30 ASSEMBLY TIME
- 8:30 - 8:40 OPENING CEREMONY
- * *National Anthem*
 - * *Invocation*
- 8:40 - 8:50 Welcome Remarks : Bgy. Chairman Felix Clemente
- Introduction of Project : Dir. ROGELIO U. URANZA
Head, Infra Planning Dev't. Group
Solid Waste Mgt. Task Force
MMDA
- Mr. KUSUNOKI - JICA
- 8:50 - 9:00 Introduction of Guest Speaker
- Ms. Bernarditas de Galicia
Adm. Officer- Community Affairs
- Hon. AMADO S. VICENCIO
Municipal Mayor of Malabon
- 9:00 - 9:10 Brief on Assignments
Acceptance : Representative Resident of
Pilot Area
- 9:10 - 12:00 CLEAN UP TIME
- 12:00 - 12:45.....LUNCH BREAK.....
- 12:45 - 2:00 Inspection of Streets
- 2:00 - 2:30 Distribution of T-Shirts (drawing of lots)
- 2:30 PM END OF CLEAN - UP DAY
- EMCEE : ELSIE I. ENCARNACION - MMDA

ACTIVITIES UNDERTAKEN IN THE GENERAL CLEAN-UP
MARCH 12, 1998, 8:00 A.M. 1:00 P.M.
BARANGAY BAYAN-BAYANAN, MUNICIPALITY OF MALABON

- I. The General Clean up Day was intended to launch the Pilot Project. The Launching program was attended by some residents, LGU, Officials, Bgy. Officials, JICA-MMDA Study Team led by Mr.Kusunoki. It was highlighted by the keynote speech of Hon. Vicencio, Municipal Mayor.

A Ribbon-cutting ceremony for the five (5) push carts to "kick-off the project was done by Malabon's First Couple.

2. Assignment of areas of responsibilities for the clean-up was distributed to officials MMDA JICA Study Team, Bgy. Officials, Primary Collector, LGU Street Sweepers and MMDA River-Aides.

Area Assignment :

<u>Street Covered</u>	<u>MMDA</u>	<u>LGU</u> <u>St. Sweeper</u>	<u>BGY.</u> <u>Official</u>	<u>JICA</u>	<u>PUSH CART</u>
E. Rodriguez Celia 2	Rachel S. Connie A. Helen A.	Carmen H. Felina D. Marife L. Arnulfo M.	Boy Lucas		Hernando B.
Celia I St.	Raqui L.	Gertudes G Romullo M	Devy Elsa		Leopoldo A.
Katipunan St.		Susan A. Zenaida D.	Ariel Rey	Kusunoki Bystrom Anai Urushibata	Reynaldo T. Ricardo D.
Liwayway St.	Elsie E.	Violeta D. Evangeline	Guillermo SK	Junku	Ernesto E.
Fishpond area/ Underwater house side of dampalit river (Area = 100 - 102 -103 -104)		40 MMDA River ways was assigned , 10 persons per Area.			

3. Conduct of General Cleaning

- * Arrival at assigned streets**
- * Public information about the activity/project**
- * Distribution of T-shirt, stickers and sacks to the residents who participated in the activity.**
- * Sweeping of alleys, unclogging of drains, removal of accumulated dry waste from “under houses”**
- * Collection of sweeping/garbage piles from the streets and creek by the Primary Collector and volunteer residents using the push carts.**
- * Hauling of the collected garbage in the pushcarts to the communal bay in Gen. Luna St. (some 80 sacks/bag of garbage collected to 2 truck of 10 wheeler dumptucks)**

4. Transfer of collected garbage from the communal bay to the collection truck provided by the local government of Malabon.

5. Hauling of garbage to disposal sites in the LGU operated collection truck in two-trips.

6. Site inspection of the streets

7. Lunch provided by JICA Study Team

PILOT COLLECTION PROJECT IN BYG. BAYAN-BAYAN, MALABON METRO MANILA

CHRONOLOGY OF ACTIVITIES

- February 10** - Initial Meeting/ Area Visit
(MMDA-Elsie, Raqui, Connie, LGU-Ditas,
JICA- Kusunoki)
- gathered data base for planning
- discuss project concept and objectives
- arrange tentative schedule of succeeding meetings/
activities.
- February 21** - MMDA-JICA conducted a Focused Group Discussion
Workshop with residents
- February 25** - Mr. Kusunoki, Ms. Raqui and Ms.Junku discussed with
Bgy. Chairman the following:
- a) Salary of garbage collector
 - The chairman agreed on the amount of P0.35 a day
or P10.00 per month per household as payment for
each of the five (5) garbage collectors.
 - b) Collection : LGU and Garbage Collector
 - LGU : not yet finalized
 - Primary Collector : 7:00 a.m. - 9:00 am.
 - c) Communal Storage
 - The temporary dumpsite/staging area at Gen Luna
St. is a private land owned by Meralco, thus, the
chairman does not want a permanent concrete bed

for the communal storage, Instead, he wants a moveable one made of iron & steel. :

Note temporary dumpsite at Gen. Luna St. is a private land , owned by Meralco.

- The chairman suggested JICA-MMDA-LGU discuss about the communal storage with Councilor Ejercito Aquino because Coun. Aquino is responsible in issuing permit regarding the construction of a temporary dumping area at Gen. Luna St.

March 2 : (Mr. Kusunoki, Raqui, Vilma-LGU, Mr. Brown)

- * Coordination with the Councilor Ejercito Aquino regarding the communal storage .
- * It was agreed that the communal bay will be placed along Gen. Luna St. and it should be a movable one and made of iron & steel.

March 9, 1998 (Raqui)

1. Preparation for the clean-up day
2. Agreement reached:
 - Specific area assignment of the primary collectors prepared.
 - Collection of time primary collectors is 7:00 a.m. to 9:00 a.m.
 - Truck collection form the communal bay is from 10:00 a.m. to 12:00 noon.
 - Further discussion on collection fee is to be set.
Suggested collection fee : P0.35/day or P10.00/month
3. Signing of the Action Plan
 - Bgy. Chairman signed the action plan.

- Mr. Lumanog signed the plan.
- Councilor Ejercito Aquino signed the plan

4. Attendance for the Clean-up day by the Mayor, Mr. Lumanog and the ten (10) street sweeper is confirmed.

5. Two (2) collector trucks will be sent by the office of the Mayor.

March 12 - Clean-up Day (See attachment)

March 17

OBSERVATIONS/FINDINGS AFTER THE CLEAN-UP DAY (Mr. Kusunoki, Raqui)

1. Ocular Inspection of the communal storage on March 17, 1998.
2. Structural defects found in the movable communal bay: It was constructed with slits, thus allowing the unpacked garbage to fall out.
3. Repair of the communal storage will be carried out by the contractor in three (3) days under the supervision of Bgy. Chairman Clemente.
4. The schedule of LGU collectors is not being followed.
Fixed schedule is 10:00 a.m. - 12:00 noon
Actual collection is from 4:00 a.m and 7:30 a.m.
5. Two trips (for collection/haulage) were made for the day.
6. Mr. Lumanog promised to follow the fixed schedule of collection.
7. Request to keep the communal bay clean made with the barangay. chairman and the primary collectors.
8. The communal bay is also being used by some of the residents of bgy. Flores.
9. FeedBack from residents regarding the pilot project:
 - Some are in favor of the new system;
 - Some are already paying P2.00 -P3.00 pesos to the primary collector;

- Some promise to keep their premises clean and to hold a general clean up day every Saturday or Sunday.

10 MMDA-JICA T-shirts, bells and hand gloves were distributed to the primary collector by Mr. Kusunoki.

**PUBLIC OPINION SURVEY
ON IMPROVEMENT FOR COLLECTION SYSTEM (Pilot Project)**

CODE NO : **DATE** :

RESPONDENT :

ADDRESS :

Street :

House No. :

INTERVIEWER :

I. GENERAL INFORMATION:

1.1 Respondent:

(Household)

- 1. Husband
- 2. Wife
- 3. Children
- 4. Housekeeper
- 5. Other

(Non-household)

- 1. Owner
- 2. Employee
- 3. Family of the owner
- 4. Other

1.2 Type of Building (Type of shop):

1. Single
2. Duplex
3. Row House
4. Apartment
5. Barong barong
6. Other

(Non-household-Type of shop)

1. Restaurant
2. Sari-Sari
3. Workshop
4. Other

1.3 Dwelling years:

1. Less than 1 year
2. 1 to 5 years
3. 6 to 10 years
4. More than 11 years

1.4 Tenure:

- | | | |
|----|---------------------|----------------------|
| 1. | Amortization | <input type="text"/> |
| 2. | Owner occupied | <input type="text"/> |
| 3. | Rented | <input type="text"/> |
| 4. | Occupied, rent free | <input type="text"/> |
| 5. | Other | <input type="text"/> |

1.5 Is the dwelling unit shared with other household?

- | | | |
|----|-----|----------------------|
| 1. | Yes | <input type="text"/> |
| 2. | No | <input type="text"/> |

1.6 If yes, how many household ?

1.7 How many members in your family?

1.8 Occupation of your family head

1.9 Income of your family

pesos/month/family

1.10 Water Supply Source:

1. Faucet at house
2. Faucet of neighbors
3. Public faucet
4. Shallow well
5. Others

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☐
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2. STORAGE, DISCHARGE AND COLLECTION OF WASTE

2.1 Waste Collection Service

2.1.1 Do you have a regular and reliable collection service?

1. Yes
2. No

☐
☐

2.1.2. Waste is collected by:

1. Local Government
2. Private contractor
3. Local Government contractor
4. Barangay contractor
5. Other
6. I don't know

☐
☐
☐
☐
☐
☐

2.1.3 Frequency of Waste Collection

1. Everyday
2. Twice a week
3. Three times a week
4. Each other day
5. Once a week
6. Once in two weeks
7. No fixed schedule
8. Other

2.1.4 Time of waste collection

1) Is your waste collected at a fixed time?

1. Yes
2. No

2) If yes, at what time?

2.2 *Storage of Waste*

2.2.1 Do you have waste storage in your premise?

1. Yes
2. No

2.2.2 Type of Storage Container (in the house)

1. Ordinary trash bin
2. Plastic bag
3. Sack
4. Carton box
5. Other

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☐
☐

2.3 Discharge of waste:

2.3.1 Type of discharge container (in the street)

1. Ordinary trash bin
2. Plastic bag
3. Sack
4. Cartoon box
5. Other

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2.3.2 Discharge Place:

1. Within premises
2. Front of premises
3. Side walk/curb side
4. Other

☐
☐
☐
☐

2.3.3 If not collected, it is:

1. Burned
2. Dumped in vacant lot
3. Dumped in river/estero
4. Buried in vacant lot
5. Others

2.3.4 How far is the discharge place?

1. Front of the house
2. Less than 20 meters
3. Less than 50 meters
4. 50 meters or more

2.3.5 Discharge Time

1) Do you have a fixed time discharging your waste?

1. Yes
2. No.

2) If yes, what time ?

3. WASTE FEE

3.1 Do you pay collection fee?

1. Yes

☐

2. No

☐

3.2 If yes, how much ?

Pesos(day/week/month)

3.3 If yes, to whom do you pay?

1. Municipality

☐

2. Barangay

☐

3. Association

☐

4. Push cart collector

☐

5. Other

☐

4. OVERALL SANITATION

4.1 How do you rate the present waste collection?

1. Good

☐

2. Satisfactory

☐

3. Unsanitary

☐

4.2 If unsatisfactory, what needs to be improved?

1. Collection frequency
2. Collection time
3. Collection equipment
4. Behavior of collectors
5. Others

4.3 What can you say about the sanitary condition in your community?

1. Good
2. Satisfactory
3. Unsatisfactory

4.4 Which of the following do you rate as the most pressing problem in your community.

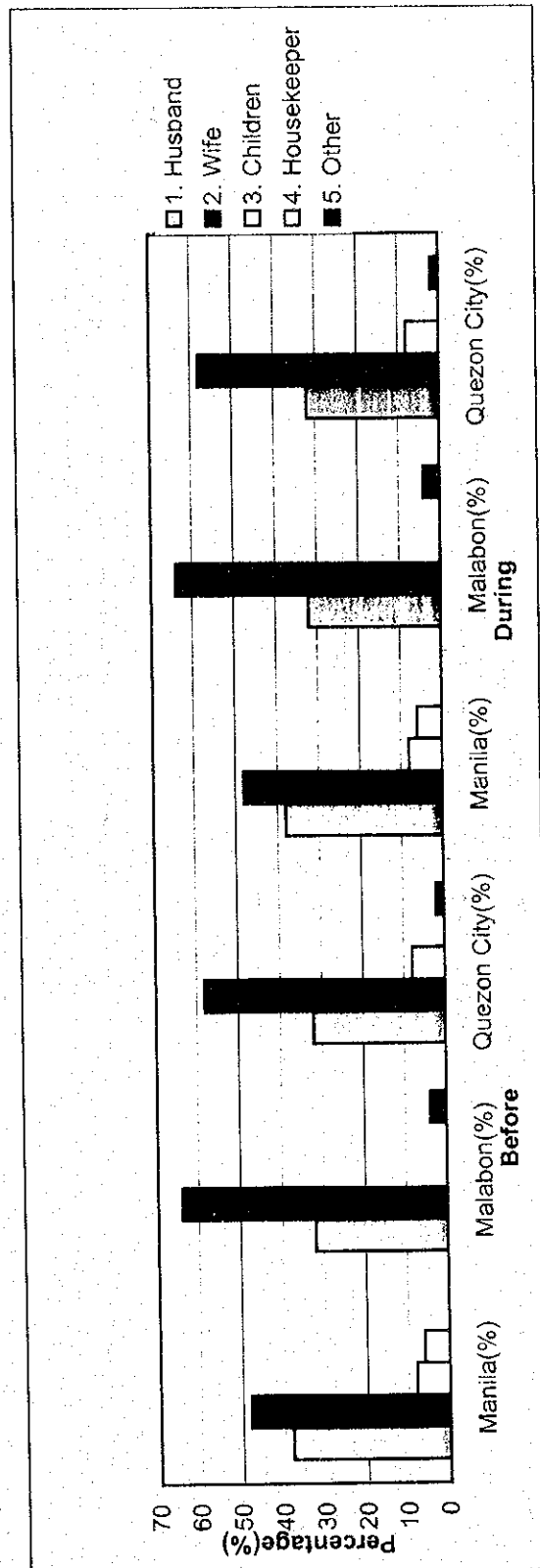
1. Water supply
2. Sewage disposal
3. Garbage Collection
4. Street littering
5. Pest control
6. Air pollution
7. Flood/clogged/drainage
8. Peace and order

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1.1a Respondent(Household)

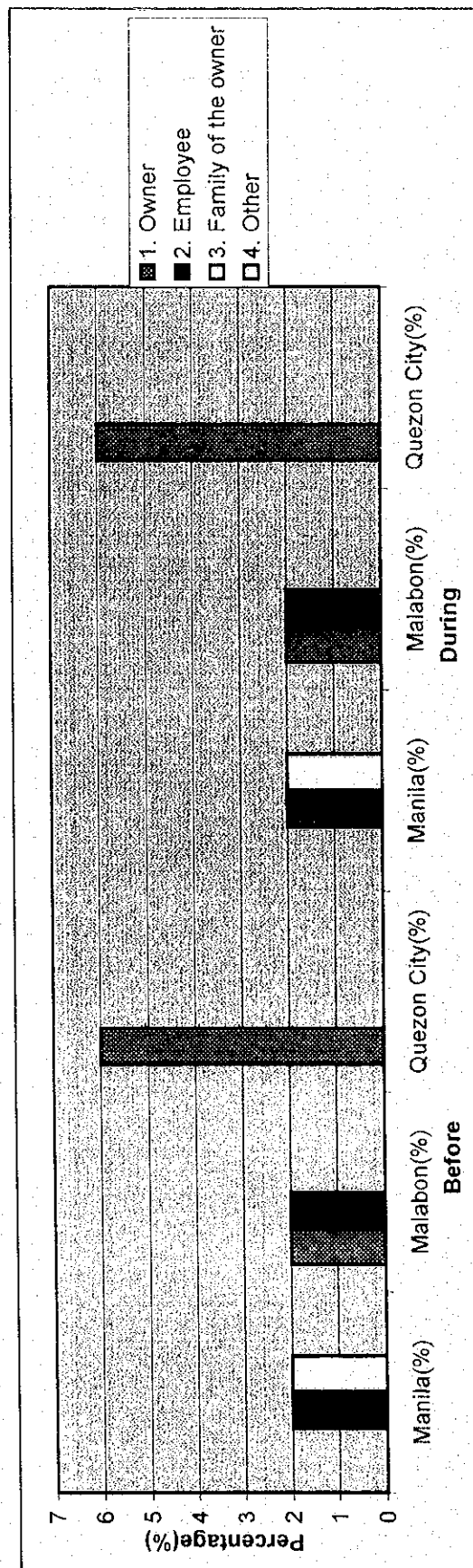
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Husband	38	32	32		38	32	32	
2. Wife	48	64	58		48	64	58	
3. Children	8	0	8		8	0	8	
4. Housekeeper	6	0	0		6	0	0	
5. Other	0	4	2		0	4	2	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.1b Respondent(Non-household)

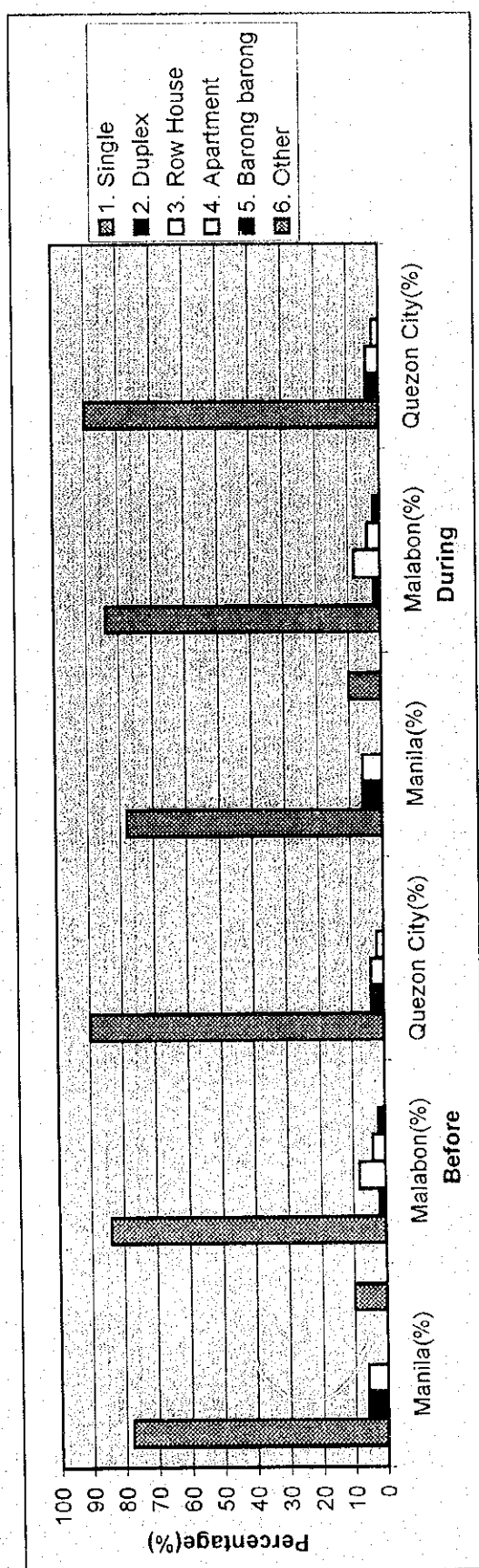
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Owner	0	2	6		0	2	6	
2. Employee	2	2	0		2	2	0	
3. Family of the owner	2	0	0		2	0	0	
4. Other	0	0	0		0	0	0	
Total	4	4	6		4	4	6	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.2a Type of Building(Type of shop)

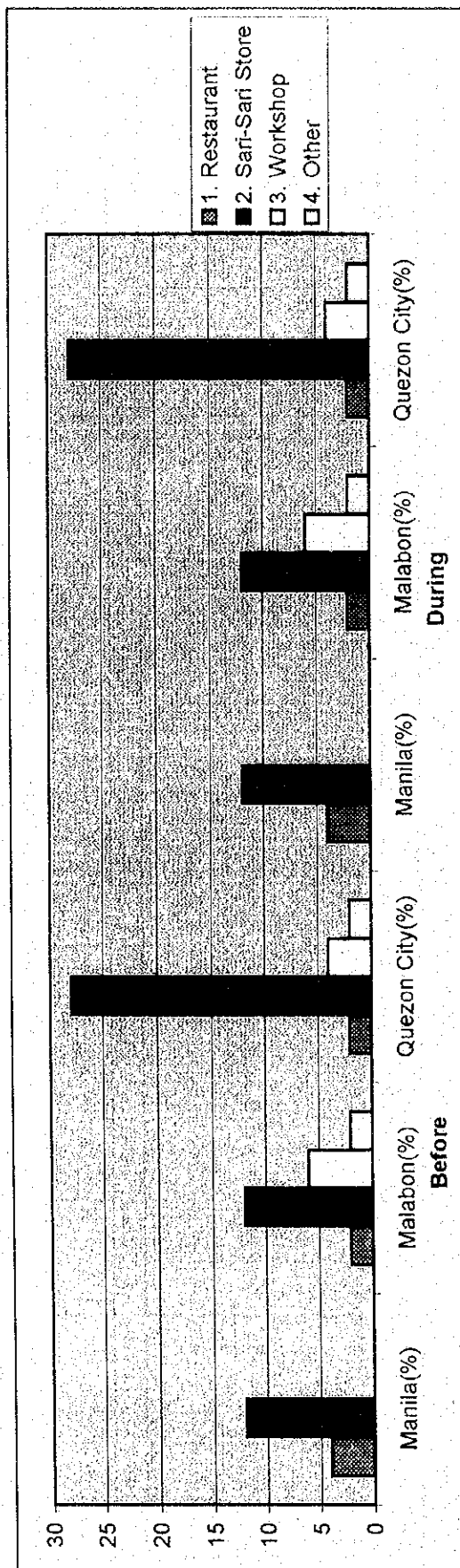
Category	Before the Pilot Project				During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)
1. Single	78	84	90		78	84	90
2. Duplex	6	2	4		6	2	4
3. Row House	6	8	4		6	8	4
4. Apartment	0	4	2		0	4	2
5. Barong barong	0	2	0		0	2	0
6. Other	10	0	0		10	0	0
Total	100	100	100		100	100	100



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.2b Non-household - Type of shop

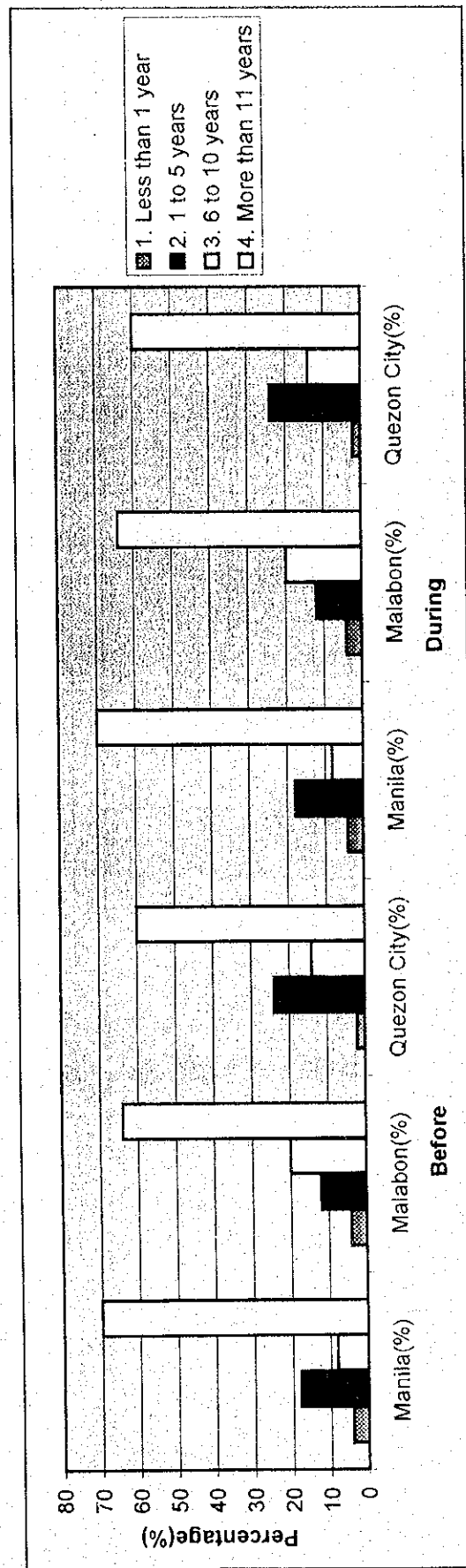
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Restaurant	4	2	2		4	2	2	
2. Sari-Sari Store	12	12	28		12	12	28	
3. Workshop	0	6	4		0	6	4	
4. Other	0	2	2		0	2	2	
Total	16	22	36		16	22	36	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.3 Dwelling years

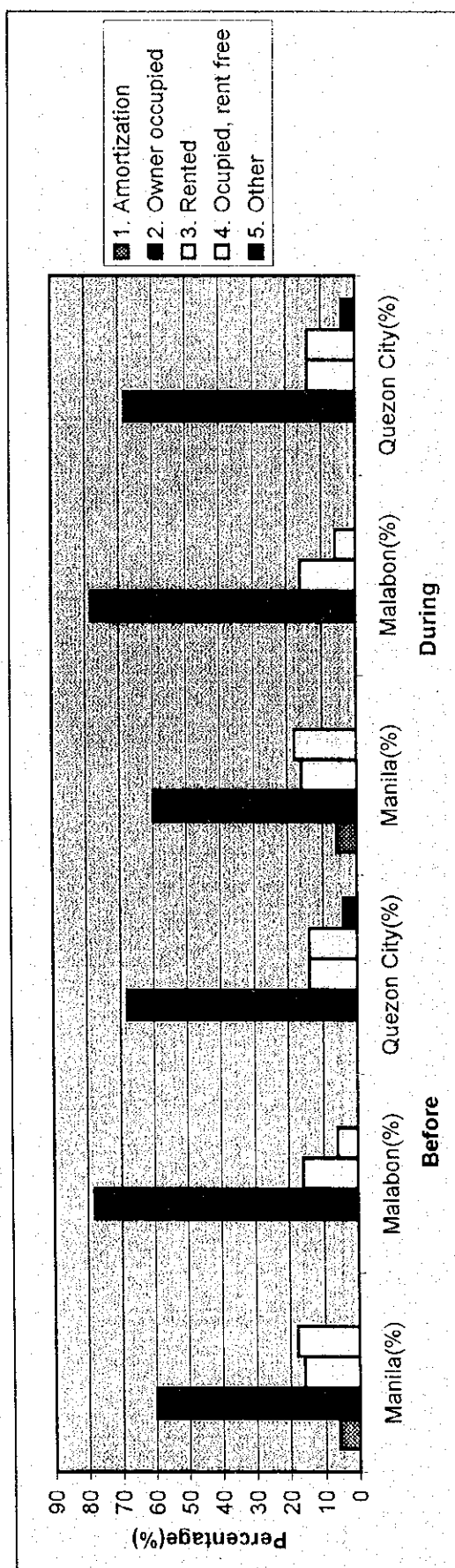
Category	Before the Pilot Project				Before the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Less than 1 year	4	4	2		4	4	2	
2. 1 to 5 years	18	12	24		18	12	24	
3. 6 to 10 years	8	20	14		8	20	14	
4. More than 11 years	70	64	60		70	64	60	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.4 Tenure

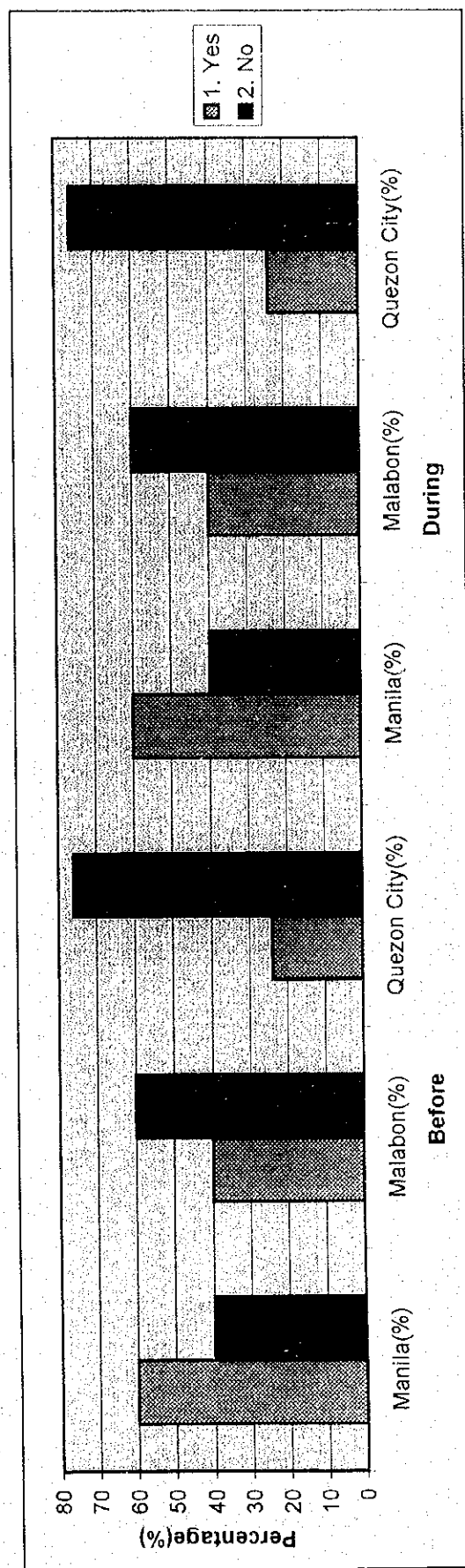
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Amortization	6	0	0		6	0	0	
2. Owner occupied	60	78	68		60	78	68	
3. Rented	16	16	14		16	16	14	
4. Occupied, rent free	18	6	14		18	6	14	
5. Other	0	0	4		0	0	4	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.5 Is the dwelling unit shared with other household?

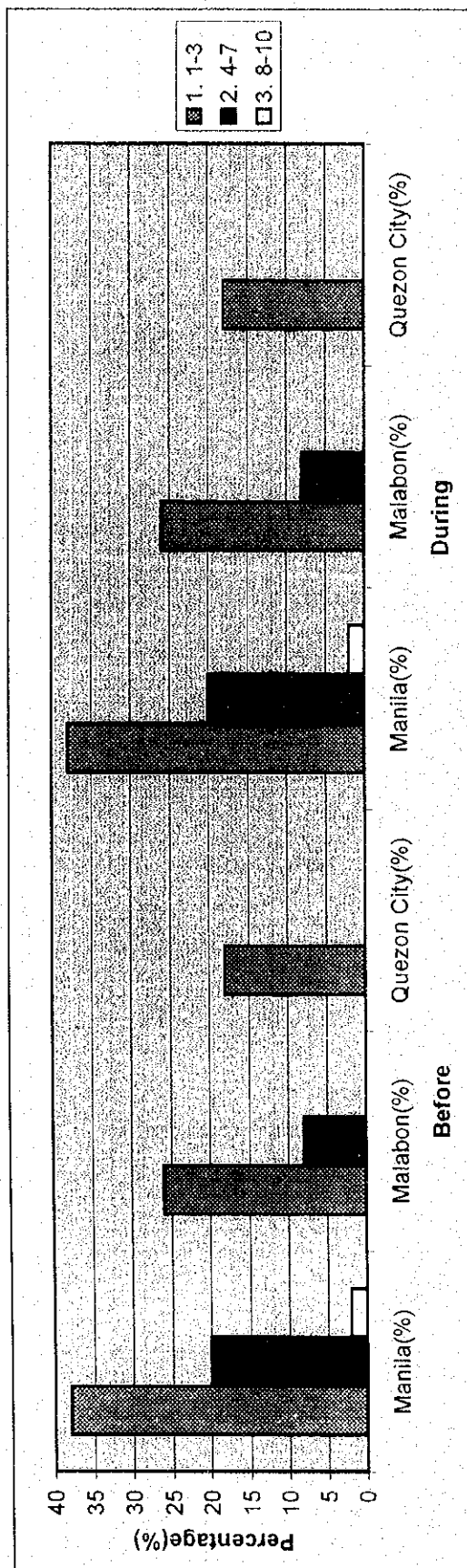
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Yes	60	40	24		60	40	24	
2. No	40	60	76		40	60	76	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.6 If yes, how many household?

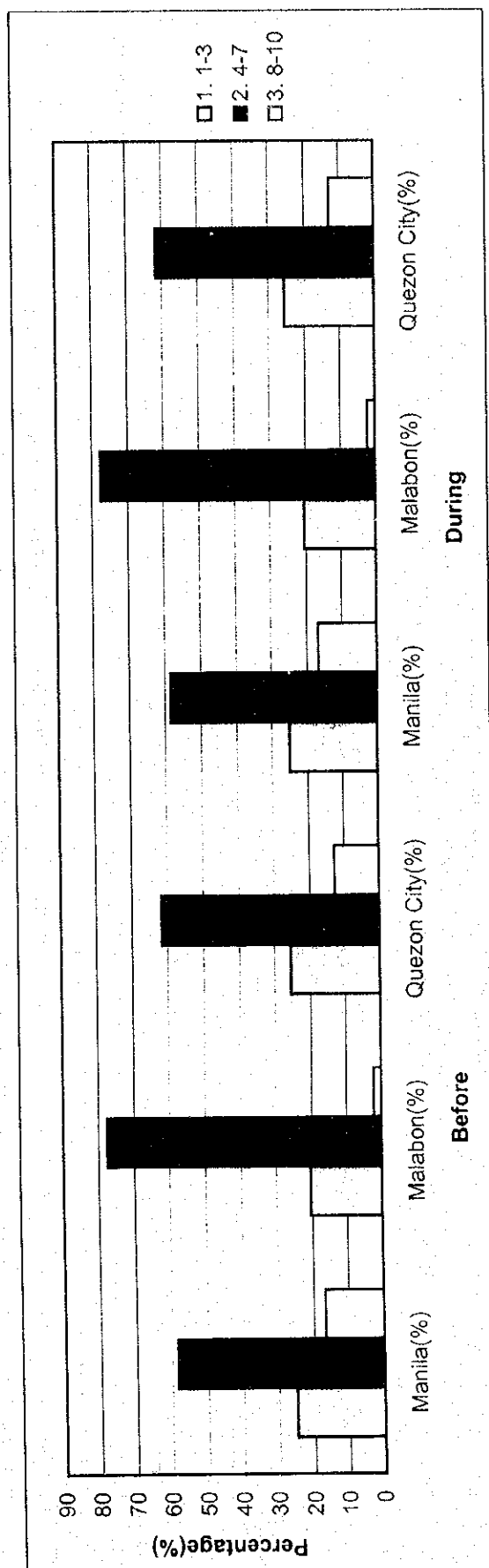
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. 1-3	38	26	18		38	26	18	
2. 4-7	20	8	0		20	8	0	
3. 8-10	2	0	0		2	0	0	
Total	60	34	18		60	34	18	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.7 How many are the member in your family?

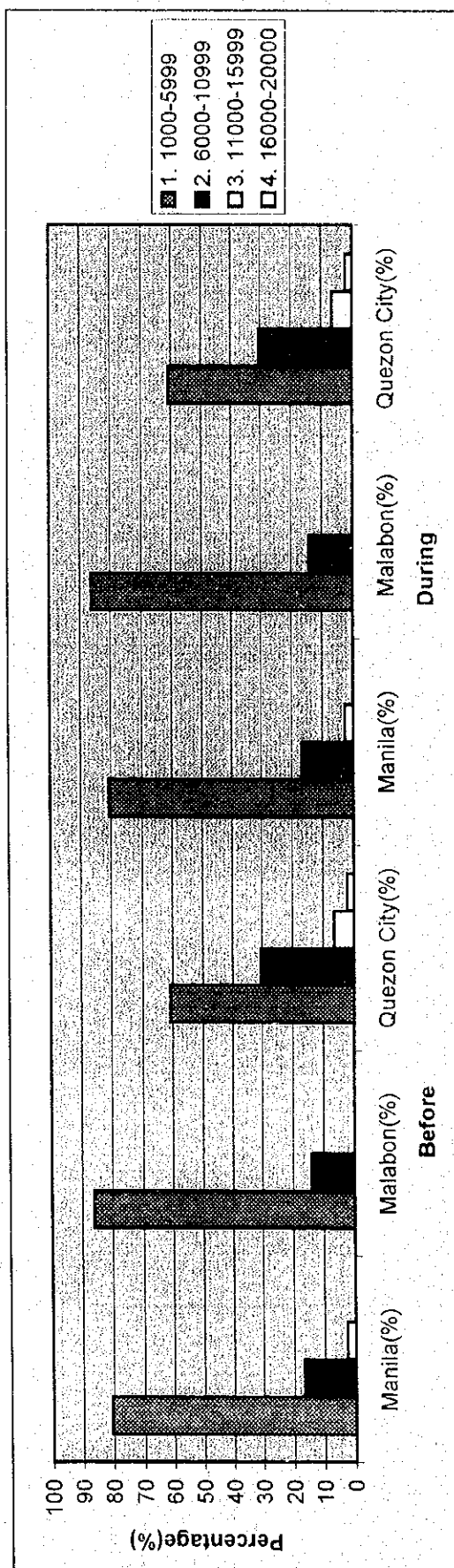
Category	Before the Pilot Project			During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)
1. 1-3	25	20.41	25.53	25	20.41	25.53
2. 4-7	58.33	77.55	61.7	58.33	77.55	61.7
3. 8-10	16.67	2.04	12.77	16.67	2.04	12.77
Total	100	100	100	100	100	100



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.9 Income of your family (Pesos)

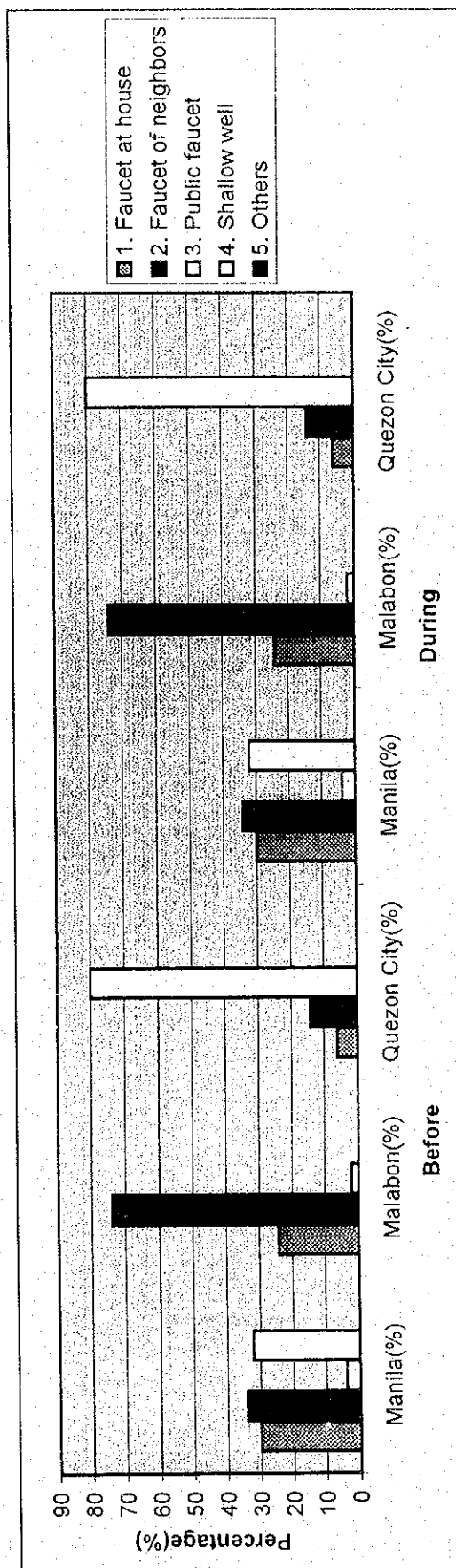
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. 1000-5999	80.61	86	60.87		80.61	86	60.87	
2. 6000-10999	16.65	14	30.43		16.65	14	30.43	
3. 11000-15999	2.74	0	6.52		2.74	0	6.52	
4. 16000-20000	0	0	2.18		0	0	2.18	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

1.10 Water Supply Source

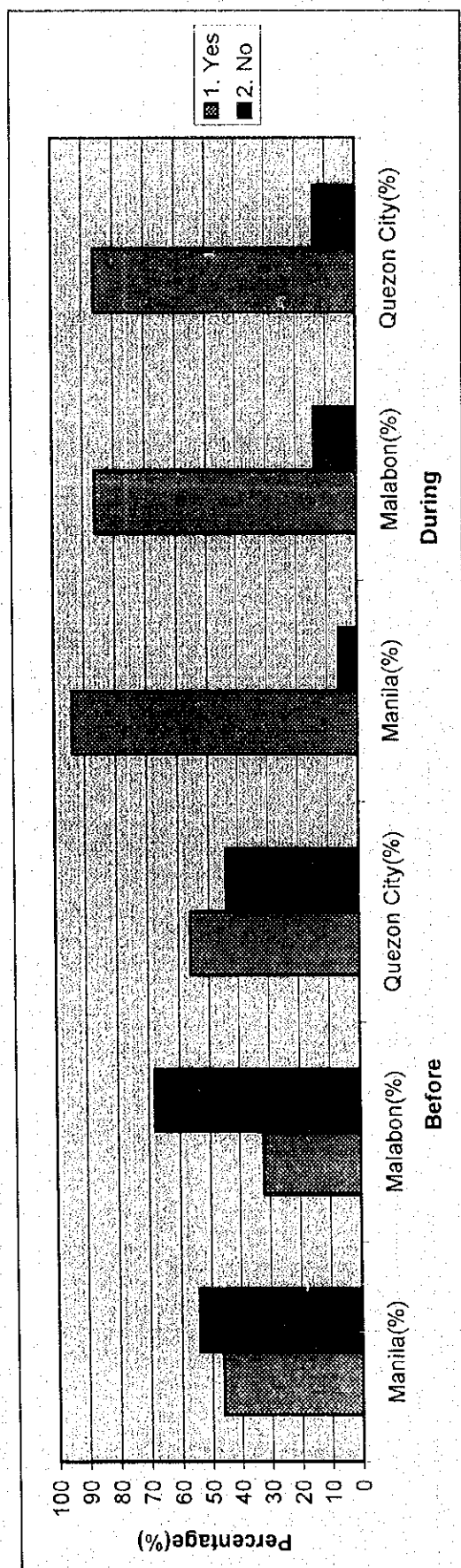
Category	Before the Pilot Project			During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)
1. Faucet at house	30	24	6	30	24	6
2. Faucet of neighbors	34	74	14	34	74	14
3. Public faucet	4	2	80	4	2	80
4. Shallow well	32	0	0	32	0	0
5. Others	0	0	0	0	0	0
Total	100	100	100	100	100	100



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

2.1.1 Do you have a regular and reliable collection service?

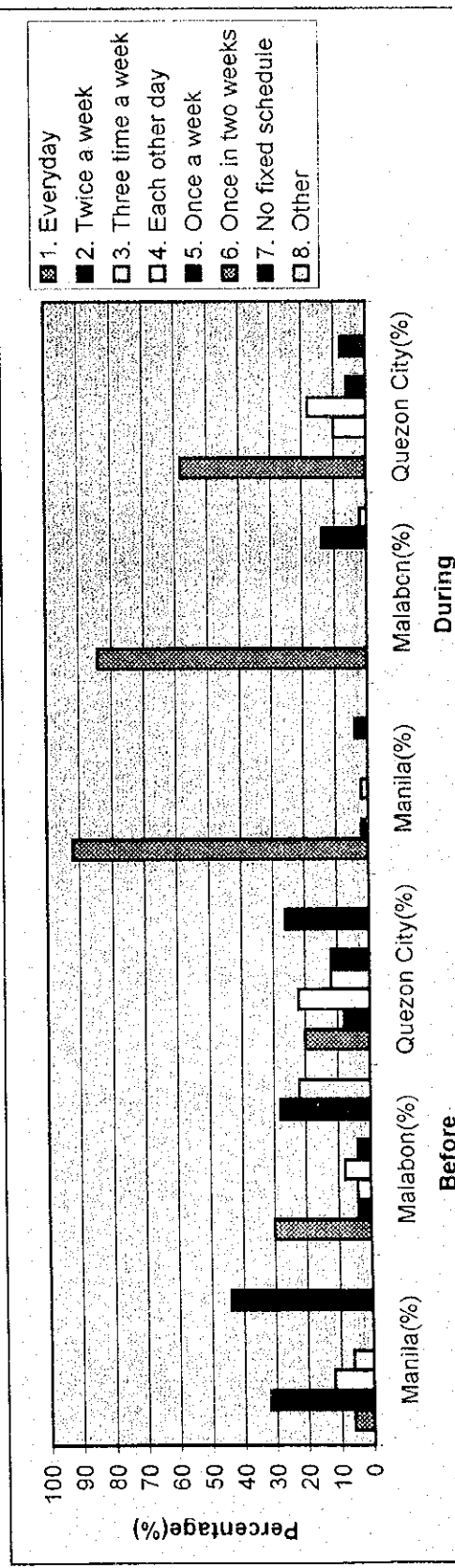
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Yes	46	32	56		94	86	86	
2. No	54	68	44		6	14	14	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

2.1.3 Frequency of Waste Collection

Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Everyday	6	30	20		92	84	58	
2. Twice a week	32	4	8		2	0	0	
3. Three time a week	12	4	22		0	0	10	
4. Each other day	6	8	12		2	0	18	
5. Once a week	0	4	12		0	0	6	
6. Once in two weeks	0	0	0		0	0	0	
7. No fixed schedule	44	28	26		4	14	8	
8. Other	0	22	0		0	2	0	
Total	100	100	100		100	100	100	



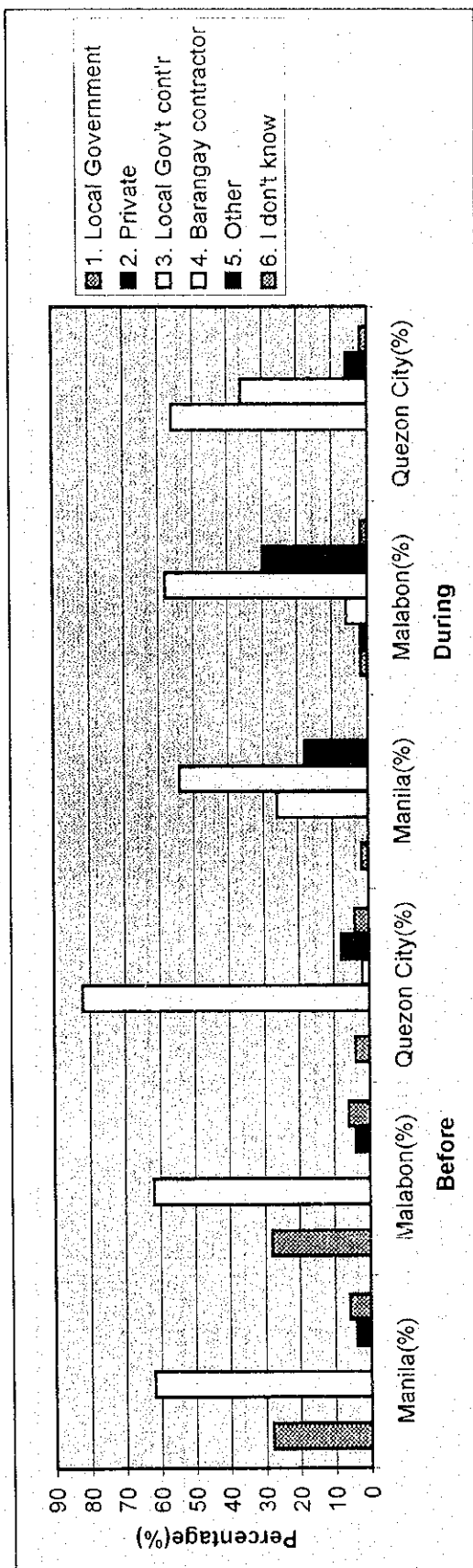
During

Before

PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

2.1.2 Waste is collected by:

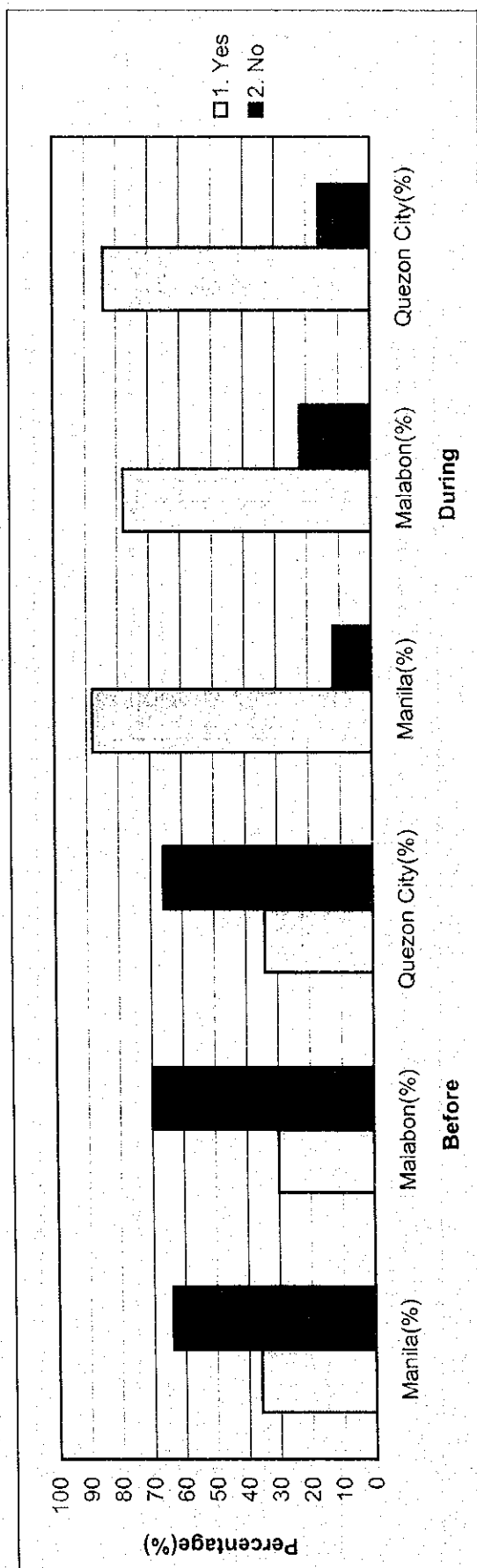
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Local Government	28	28	4		2	2	0	
2. Private	0	0	0		0	2	0	
3. Local Gov't cont'r	62	62	82		26	6	56	
4. Barangay contractor	0	0	2		54	58	36	
5. Other	4	4	8		18	30	6	
6. I don't know	6	6	4		0	2	2	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

2.1.4a Is your waste being collected at a fixed time?

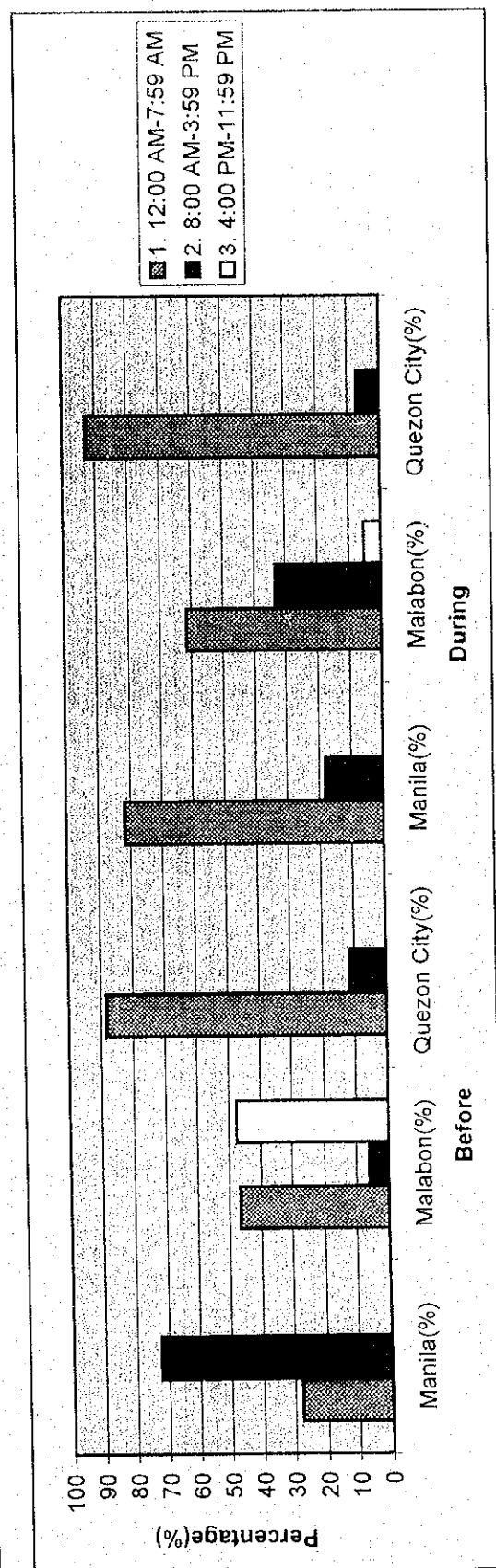
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Yes	36	30	34		88	78	84	
2. No	64	70	66		12	22	16	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

2.1.4b If yes, at what time?

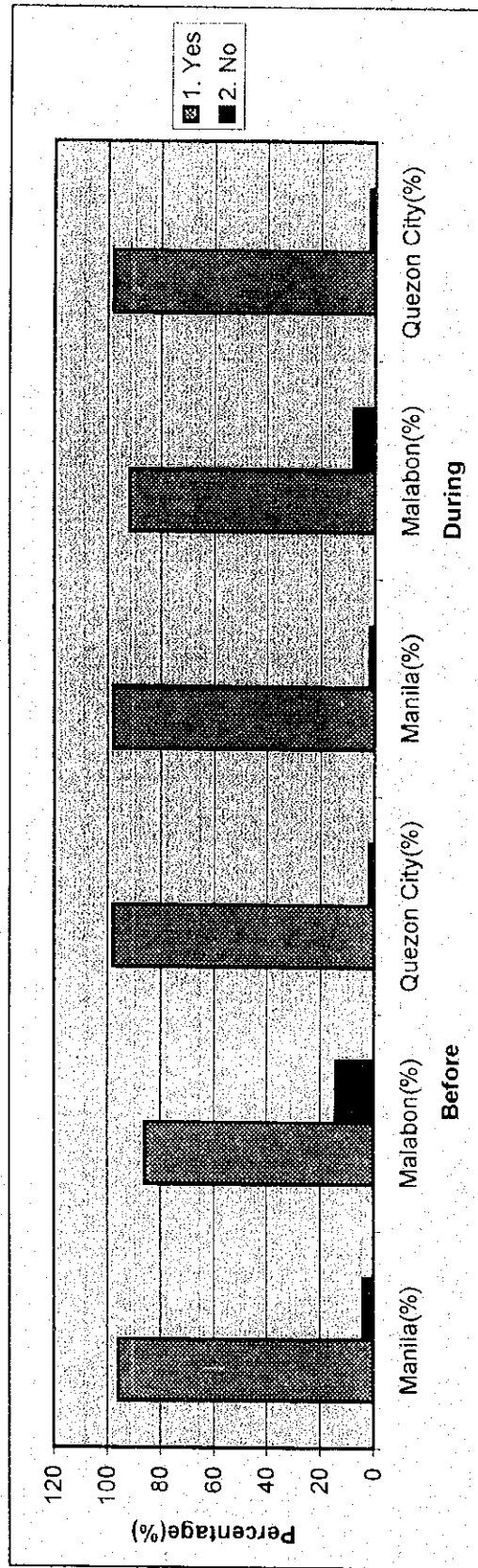
Category	Before the Pilot Project			During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)
1. 12:00 AM-7:59 A	27.77	46.67	88.24	81.81	61.54	92.86
2. 8:00 AM-3:59 PM	72.23	5.88	11.76	18.19	33.33	7.14
3. 4:00 PM-11:59 P	0	47.45	0	0	5.13	0
Total	100	100	100	100	100	100



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2.2.1 Do you have waste storage in your premise?

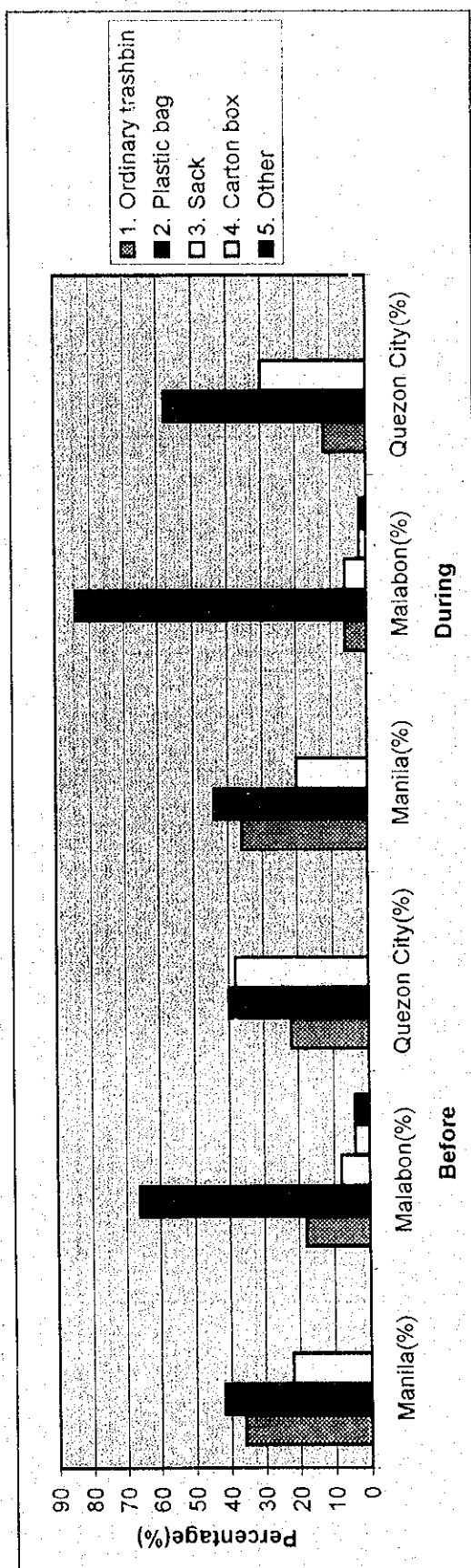
Category	Before the Pilot Project				After the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Yes	96	86	98		98	92	98	
2. No	4	14	2		2	8	2	
Total	100	100	100		100	100	100	



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2.2.2 Type of Storage Container(in the house)

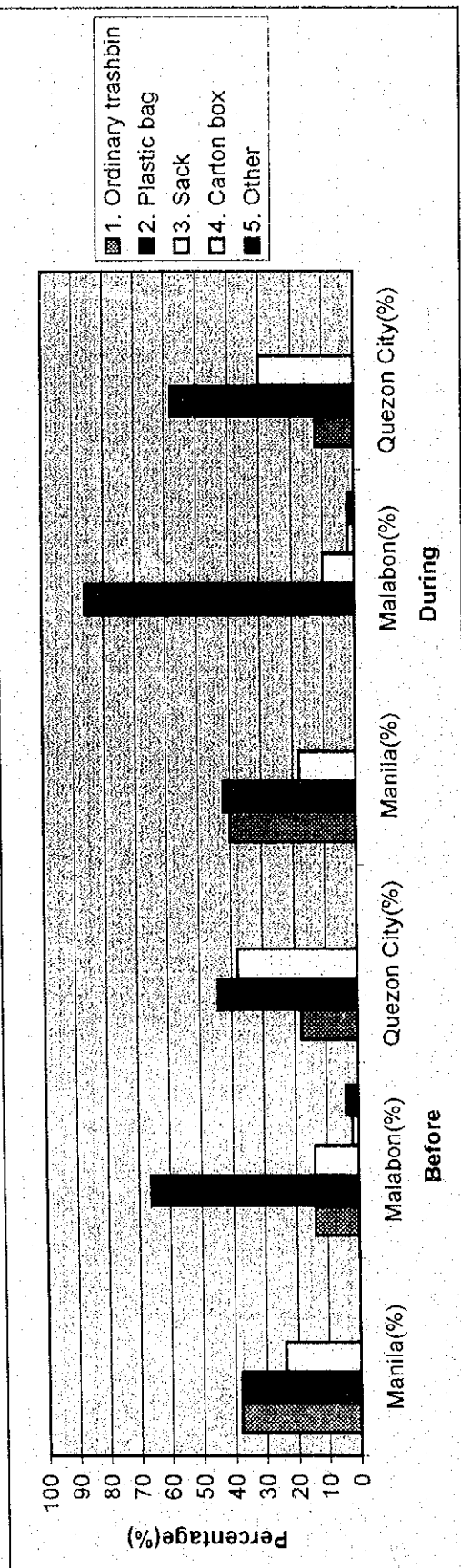
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Ordinary trashbin	36	18	22		36	6	12	
2. Plastic bag	42	66	40		44	84	58	
3. Sack	22	8	38		20	6	30	
4. Carton box	0	4	0		0	2	0	
5. Other	0	4	0		0	2	0	
Total	100	100	100		100	100	100	



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2.3.1 Type of Discharge Container(in the street)

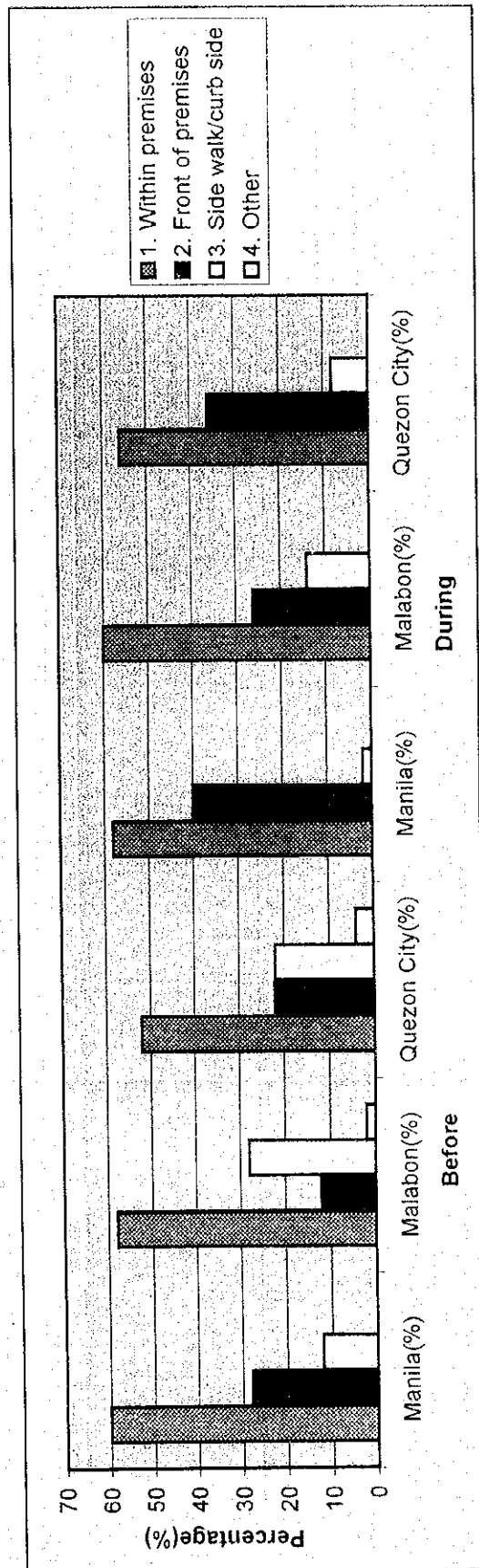
Category	Before the Pilot Project				After the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Ordinary trashbin	38	14	18		40	0	12	
2. Plastic bag	38	66	44		42	86	58	
3. Sack	24	14	38		18	10	30	
4. Carton box	0	2	0		0	2	0	
5. Other	0	4	0		0	2	0	
Total	100	100	100		100	100	100	



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2.3.2 Discharge Place:

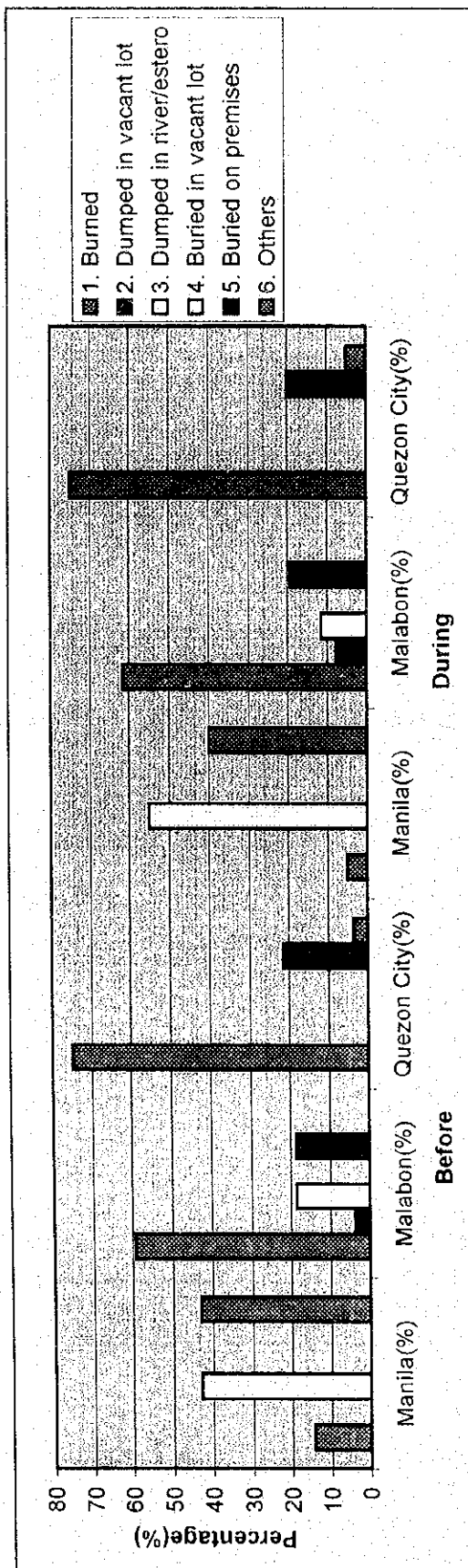
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Within premises	60	58	52		58	60	56	
2. Front of premises	28	12	22		40	26	36	
3. Side walk/curb side	12	28	22		2	14	8	
4. Other	0	2	4		0	0	0	
Total	100	100	100		100	100	100	



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2.3.3 If it is not collected, it is:

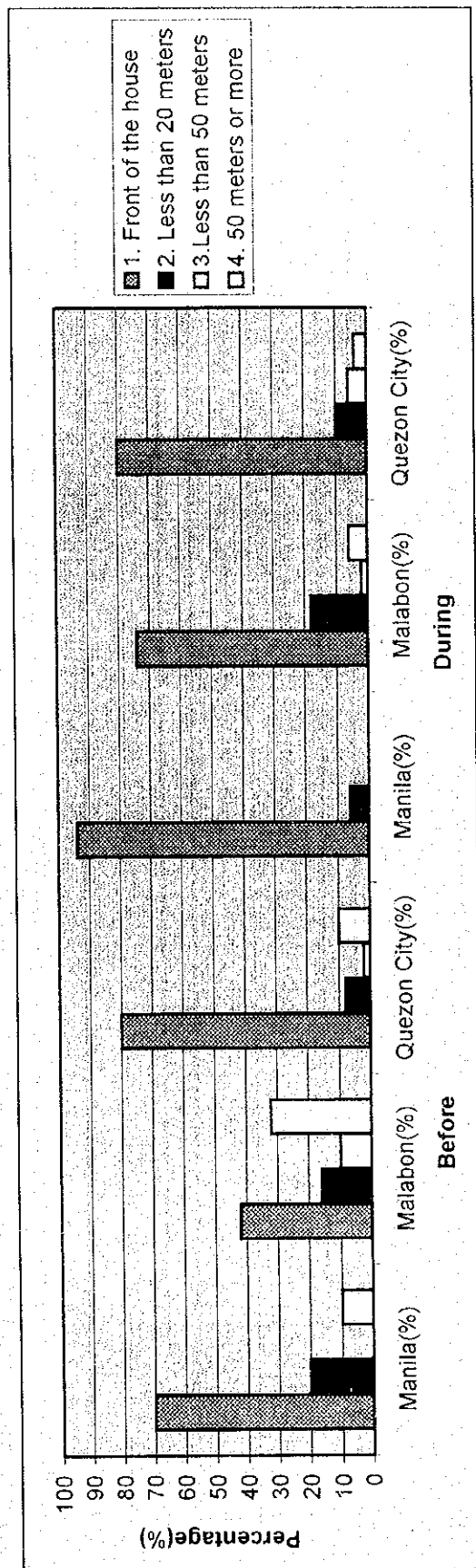
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Burned	14.29	59.26	75		5	61.54	75	
2. Dumped in vacant lot	0	3.7	0		0	7.69	0	
3. Dumped in river/estero	42.86	18.52	0		55	11.54	0	
4. Buried in vacant lot	0	0	0		0	0	0	
5. Buried on premises	0	18.52	21.43		0	19.23	20	
6. Others	42.85	0	3.57		40	0	5	
Total	100	100	100		100	100	100	



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2.3.4 How far is the discharge place?

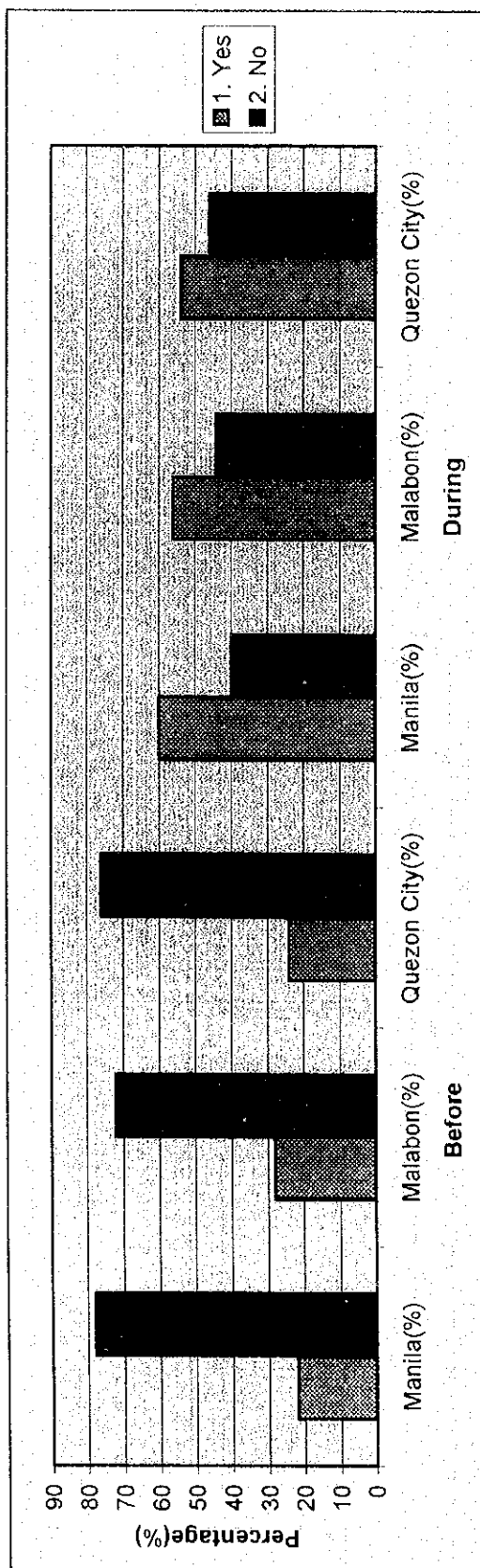
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Front of the house	70	42	80		94	74	80	
2. Less than 20 meters	20	16	8		6	18	10	
3. Less than 50 meters	0	10	2		0	2	6	
4. 50 meters or more	10	32	10		0	6	4	
Total	100	100	100		100	100	100	



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2.3.5a Doyou have a fixed time discharging your waste?

Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Yes	22	28	24		60	56	54	
2. No	78	72	76		40	44	46	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

2.3.5b If yes, what time?

Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. 12:00 AM - 7:59 AM	41.67	30.77	61.54		77.42	67.86	96.43	
2. 8:00 AM - 3:59 PM	58.33	7.69	15.39		19.36	28.57	3.57	
3. 4:00 PM - 11:59 PM	0	61.54	23.07		3.22	3.57	0	
Total	100	100	100		100	100	100	

