

M. Water Transport

Form No.	Surveyor	Supervisor	Date	Time	Mode	Weather	STATION			Sex	P. Income	F. Income	Car Ownership	
							Terminal 1	Terminal 2	Direction					
1	M. Dumasig	R. dela Cruz	10/30/97	8:00	3	1	87	40	40	31	1	-	4	3
2	M. Dumasig	R. dela Cruz	10/30/97	8:15	3	1	87	40	40	20	2	-	4	3
3	M. Dumasig	R. dela Cruz	10/30/97	8:30	3	1	87	40	40	20	2	-	5	3
4	M. Dumasig	R. dela Cruz	10/30/97	9:30	3	1	87	40	40	21	1	-	3	3

Via Faura

No. of Car Owned	Get On	Get Off	Fare	Trip Purpose	Whole Trip OD		Total Fare	Minutes		Ferry		If No.
					Origin	Destination		Total Time	Awareness	Intent to Use	1	
87	78	40	2.50	4	88	78	5.00	25	1	1		
87	40	5.50	88	3	20	10.50	90	1	1			
87	40	5.50	227	3	36	12.50	80	2	2	3		
87	36	5.50	227	3	14	11.00	45	2	2	1		

(Refer to Annex B, P. B-53)

N. Garbage Truck

Incoming Survey

Name of Site: Carmona
 Date: May 7, 1997

No.	Time In	Type of Waste		Responsible sector		Private Sector	Trip Ticket	Truck Identity		Type of Vehicle	Capacity (cu. m.)	Generation Area	Loading Volume (m3)
		MSW	HSW (Type of waste)	LGUS	Contractor			Plate No.	Body No.				
97	6:46 PM	X				X		NRU-963		6 wheeler DT		Alabang	10
100	6:52 PM	X				X		008-796		6 wheeler DT		Alabang	10
41	7:35 AM	X		X					2000	Mini-DT		Carmona	6

O. Screenline & Cordonline

STATION: **SL01** Station Name: **Del Pan Bridge**

DATE: Thu 19 Sept 1996 DIRECTION: Northbound

Weather: Rainy From: South Harbor

Filename: sl01nb.wk3 To: North Harbor

Hourly Counts	Public										Private										Totals		
	Standard Bus	Mini Bus	Jeepney	Tricycle	Pedicab	Car/Jeep	Taxi	HOV Taxi	Utility Vehicle	Truck/Trailer	Private Bus	M/cycle/Bicycle	Others	Public Vehicles	Private Vehicles	All Vehicles							
06.00 - 07.00	3	4	185	11	20	313	249	56	184	90	3	52	2	223	949	1172							
07.00 - 08.00	3	5	184	14	18	365	359	52	187	72	5	43	0	224	1083	1307							
08.00 - 09.00	6	0	148	6	22	439	513	64	286	118	7	57	1	182	1485	1667							
09.00 - 10.00	1	0	103	2	11	467	505	94	293	261	7	71	0	117	1698	1815							

STATION: **SL01**

Station Name: Del Pan Bridge DIRECTION: Northbound

DATE: Thu 19 Sept 1996
 Filename: sl01nb.wk3

PUBLIC VEHICLES	Standard Bus			Minibus			Jeepney			Tricycle			Pedicab			TOTAL PUBLIC			TOTAL PRIVATE			TOTAL ALL VEHICLES		
	Veh	Occ	Pax	Veh	Occ	Pax	Veh	Occ	Pax	Veh	Occ	Pax	Veh	Occ	Pax	Veh	Occ	Pax	Veh	Occ	Pax	Veh	Occ	Pax
06.00 - 07.00	3	52.5	158	4	30.0	120	185	9.2	1695	11	3.0	33	20	1.5	30	223	9.2	2035	949	1.9	1805	1172	3.5	3840
07.00 - 08.00	3	45.0	135	5	14.3	71	184	6.8	1260	14	1.7	24	18	1.3	24	224	6.5	1514	1083	1.9	2014	1307	2.7	3528
08.00 - 09.00	6	40.4	242	0	18.6	0	148	7.2	1059	6	1.7	10	22	1.6	35	182	7.2	1347	1485	1.8	2684	1667	2.4	4011
09.00 - 10.00	1	65.0	65	0	18.6	0	103	11.2	1158	2	1.3	3	11	1.7	18	117	10.9	1244	1698	2.3	3665	1815	2.9	4909

STATION: CH01

Station Name: **Malabon - Obando**

DATE: Tue 22 Oct 1996
 Weather: Fair
 Filename: ch01out.wk3

DIRECTION: Outbound
 From: Malabon
 To: Obando

Hourly Counts	Public			Private			Others	Public Vehicles	Private Vehicles	All Vehicles						
	Standard Bus	Mini Bus	Jeepney	Tricycle	Pedicab	Car/Jeep					Taxi	HOV Taxi	Utility Vehicle	Truck/Trailer	Private Bus	M/cycle/Bicycle
06.00 - 07.00	0	0	10	30	6	26	0	1	10	4	0	31	0	46	72	118
07.00 - 08.00	0	0	17	54	4	39	2	0	23	7	0	39	0	75	110	185
08.00 - 09.00	0	0	10	64	7	47	0	0	31	9	0	30	0	81	117	198
09.00 - 10.00	0	0	15	50	5	47	0	0	31	13	0	31	0	70	122	192
10.00 - 11.00	0	0	13	46	6	33	1	1	40	17	0	28	0	65	120	185

STATION: CH01

Station Name: **Malabon - Obando**

DIRECTION: Outbound

DATE: Tue 22 Oct 1996
 Filename: ch01out.wk3

PUBLIC VEHICLES	Standard Bus		Minibus		Jeepney		Tricycle		Pedicab		TOTAL PUBLIC		TOTAL PRIVATE		TOTAL ALL VEHICLES	
	Veh	Pax	Veh	Pax	Veh	Pax	Veh	Pax	Veh	Pax	Veh	Pax	Veh	Pax	Veh	Pax
06.00 - 07.00	0	0	0	0	10	18.4	30	1.6	6	1.3	46	5.2	240	110	118	350
07.00 - 08.00	0	0	0	0	17	17.6	54	2.2	4	1.3	75	5.6	423	193	185	616
08.00 - 09.00	0	0	0	0	10	19.0	64	2.3	7	1.4	81	4.3	350	223	198	573
09.00 - 10.00	0	0	0	0	15	12.9	50	2.5	5	1.6	70	4.7	328	240	192	568
10.00 - 11.00	0	0	0	0	13	16.1	46	2.4	6	1.3	65	5.0	327	240	185	567
11.00 - 12.00	0	0	0	0	9	14.9	30	2.4	7	1.7	46	4.7	218	160	131	378

(Refer to Annex B, p. B-15 to B-19)

ANNEX B

Code Use For Encoded Survey Results

	Page No.
1. MMMUTIS Zoning System	B-1
2. Road Inventory Survey.....	B-7
3. Truck Traffic Survey	B-7
4. Travel Speed Survey.....	B-10
5. Traffic Accident.....	B-11
6. Cordonline and Screenline	B-15
7. Household Interview Survey (HIS).....	B-20
8. Public Transportation Routes	B-31
9. Public Transport	B-45
10. Airport Survey.....	B-47
11. Water Transport.....	B-53

1. MMUTIS Zoning System

Municipality	No.	Zone Name	Zone No.
Manila	1	Divisoria/ Zargosa	1
	2	Tondo / Moriones	2
	3	Tondo / Herbosa	3
	4	Tondo / H. Lopez	4
	5	Tondo / J. Luna	5
	6	Tondo / Corregidor	6
	7	La Loma / Chinese Cmet.	7
	8	Tondo / J.A. Santos	8
	9	Sta. Cruz / J.A. Santos	9
	10	Divisoria / Del Pan	10
	11	Binondo / Luna	11
	12	Binondo / Reina Regente	12
	13	Binondo / Misericordia	13
	14	Quiapo / Carriedo	14
	15	Sta. Cruz / D. Jose	15
	16	Sta. Cruz / Bambang	16
	17	Sta. Cruz / San Lazaro	17
	18	Quiapo / Globo de Oro	18
	19	Quiapo / Bilibid Viejo	19
	20	Sampaloc / FEU/UE	20
	21	Sta Mesa / Lardizabal Ext.	21
	22	Sta. Mesa / Pureza Ext.	22
	23	Sampaloc / NU	23
	24	Sampaloc / UST	24
	25	Sampaloc / Florentino	25
	26	Sampaloc / Calamba	26
	27	Sampaloc / S. Loyola	27
	28	Sta. Mesa / P. Sanchez	28
	29	Old Sta. Mesa / V. Mapa	29
	30	Sta. Mesa / Sanchez	30
	31	Punta	31
	32	Sta. Mesa / R. Magsaysay	32
	33	San Miguel / J.P. Laurel	33
	34	Quiapo / C. Palanca	34
	35	South Port Area	35
	36	Intramuros / Muralla	36
	37	Intramuros / Arroceros	37
	38	Intramuros / Tangué	38
	39	Ermita	39
	40	Paco / Apacible	40
	41	Paco / Canoniga	41
	42	Paco / Linao (Dart)	42
	43	Malate / PCU	43
	44	Malate / J.C. Bocobo	44
	45	Malate / Harrison Plaza	45
	46	San Andres / L. Guinto	46
	47	San Andres / SSH	47
	48	San Andres / Diamante	48
	49	Paco / Fabie	49
	50	Sta. Ana / Estrada	50
	51	San Miguel / Malacanang	51
	52	Pandacan / Beata	52
	53	Pandacan / T. Claudio	53
	54	Sta. Ana / Panaderos	54
	55	Manila North Harbor	55
	56	MICT	56
	57	Manila South Harbor	57

Municipality	No.	Zone Name	Zone No.
Pasay	1	San Jose	58
	2	San Isidro	59
	3	Sta. Clara / Leveriza	60
	4	Sta Clara / Tramo	61
	5	San Rafael	62
	6	San Roque	63
	7	Tabon	64
	8	Malibay	65
	9	Maricaban	66
	10	Sto. Nino	67
	11	Villamor Air Base	68
	12	Air Cargo	69
	13	Domestic Airport	70
	14	PICC (Reclamation Area)	71
	15	CITE (Reclamation Area)	72
Makati City	1	Bangkal	73
	2	Pio Del Pilar	74
	3	Palanan	75
	4	Tejeros	76
	5	Olympia	77
	6	Poblacion (Makati)	78
	7	Legaspi Village	79
	8	San Lorenzo	80
	9	Ayala Center	81
	10	Salcedo Village	82
	11	Bel Air II	83
	12	Urdaneta Village	84
	13	Bel Air I	85
	14	Guadalupe Viejo	86
	15	Guadaupe Nuevo	87
	16	Cembo	88
	17	Post Proper Notrh	89
	18	Rembo	90
	19	Pembo	91
	20	Fort Bonifacio	92
	21	Port Proper South	93
	22	Dasmarinas / Forbes	94
	23	Magallanes	95
Mandaluyong City	1	Plainview	96
	2	Old Zaniga	97
	3	Poblacion (Mandaluyong)	98
	4	Hagbang Bato	99
	5	Addition Hills	100
	6	Barangka	101
	7	Highway Hills	102
	8	Wack Wack / Greenhills	103
	9	Ortigas Center	104
San Juan	1	East Greenhills	105
	2	Greenhills Com'l Center	106
	3	North Greenhills	107
	4	Batis	108
	5	Corazon de Jesus	109

Municipality	No.	Zone Name	Zone No.
Quezo City	1	Dona Imelda	110
	2	Santo Nino	111
	3	Tatalon	112
	4	Sta. Mesa Heights	113
	5	La Loma	114
	6	Brgy. Manresa	115
	7	Balintawak	116
	8	South Apolonio Samson	117
	9	Masambong	118
	10	Brgy. Matalahib	119
	11	San Francisco del Monte	120
	12	San Antonio	121
	13	Project 7	122
	14	Phil-Am	123
	15	South Triangle	124
	16	Kamuning	125
	17	Roxas District	126
	18	New Manila	127
	19	Mariana (Gilmore)	128
	20	Kaunlaran	129
	21	Immaculate Concepcion	130
	22	Bagong Lipunan Crame	131
	23	Crame	132
	24	Corinthian Garden	133
	25	Camp Aguinaldo	134
	26	Green Meadows	135
	27	Murphy District	136
	28	Cubao (Araneta Center)	137
	29	E. Rodriguez	138
	30	Project 4	139
	31	Escopa	140
	32	Project 2 & 3	141
	33	Quirino District	142
	34	Loyola Heights	143
	35	Pinahan	144
	36	QMC	145
	37	UP Diliman	146
	38	Matandang Balara (1)	147
	39	Matandang Balara (2)	148
	40	Holy Spirit	149
	41	Payatas	150
	42	Bagong Silangan	151
	43	Constitution Hills	152
	44	Commonwealth	153
	45	Fairview	154
	46	Pasong Putik	155
	47	Kaligayahan	156
	48	San Agustin	157
	49	Gulod	158
	50	Sauyo	159
	51	Bagbag	160
	52	Tandang Sora	161
	53	Pasong Tamo	162
	54	Culiat	163
	55	Project 6	164
	56	R. Magsaysay	165
	57	Bahay Toro	166
	58	North Apolonio Samson	167
	59	Beasa	168

Municipality	No.	Zone Name	Zone No.
Caloocan	1	Bo. San Jose	169
	2	West ¼ Ave.	170
	3	A. Mabini	171
	4	Dagat Dagatan	172
	5	West 8/10 Ave.	173
	6	Grace Park	174
	7	Sangandaan	175
	8	Bagong Barrio EDSa	176
	9	Bagong Barrio Cenetr	177
	10	Bagong Barrio East	178
	11	Bagumbong (K. North)(1)	179
	12	Bagumbong (K. North)(2)	180
	13	Bagumbong (K. North)(3)	181
	14	Camarin (K. North) (1)	182
	15	Camarin (K. North) (2)	183
	16	North (K. North)	184
	17	West (K. North)	185
Valenzuela	1	Canumay	186
	2	Mapulang Lupa / Ugong	187
	3	Bagbaguin	188
	4	Hen. T. de Leon	189
	5	Marulas	190
	6	Karuhatan	191
	7	Maysan	192
	8	Malanday (Valenzuela)	193
	9	Dalandanan	194
Malabon	1	Maysilo / Panghulo	195
	2	Potrero	196
	3	Tugatog	197
	4	Longos	198
	5	Tonsuya	199
	6	Baritan / Concepcion	200
	7	Dampalit	201
Navotas	1	Tanza	202
	2	Tangos	203
	3	San Jose / Naval	204
	4	Nabvotas East / West	205
	5	North Bay Blvd.	206
	6	Fish Port	207
Marikina	1	Nangka	208
	2	Parang	209
	3	Concepcion (Marikina)	210
	4	Marikina Heights	211
	5	Calumpang / San Roque	212
	6	Sto. Nino	213
	7	Maladay (Marikinha)	214
	8	Barangka (Marikina)	215
Pasig	1	Kalawaan	216
	2	Santolan / Manggahan	217
	3	Sta. Lucia	218
	4	Rosario	219
	5	Ugong (Pasig)	220
	6	San Antonio	221
	7	Kapitolyo	222
	8	Bagong Ilog	223
	9	Bambang	224
	10	Caniogan	225
	11	Pinagbuhatan	226

Municipality	No.	Zone Name	Zone No.
Pateros	1	Sta. Ana (Pateros)	227
Taguig	1	Bagumbayan	228
	2	Bicutan	229
	3	Sighnal Village	230
	4	Western Bicutan	231
	5	Hagonoy	232
	6	Ususan	233
Paranaque	1	Baclaran	234
	2	Tambo	235
	3	LA Huerta	236
	4	San Dionisio	237
	5	Moonwalk	238
	6	Santo Nino (Paranaque)	239
	7	Merville Park	240
	8	Sun Valley	241
	9	Don Bosco	242
	10	Marcelo Green Village	243
	11	San Antonio Valley	244
	12	San Isidro	245
	13	BF Homes (1)	246
	14	BF Homes (2)	247
	15	BF Homes (3)	248
	16	NAIA	249
	17	Marina Manila Baytown	250
Muntinlupa	1	Sucacat	251
	2	Cupang	252
	3	Alabang	253
	4	New Alabang Village	254
	5	Putatan	255
	6	Poblacion (Muntinlupa)	256
	7	Tunasan	257
Las Pinas	1	Manuyo	258
	2	Aldana / Daniel Fajardo	259
	3	Pulang Lupa	260
	4	Pamplona / Zapote	261
	5	BF International	262
	6	Talon	263
	7	Pilar	264
	8	Almanza	265
Bulacan*	15	Obando	266
	12	Marilao	267
	13	Meycauayan	268
	21	San Jose Del Monte	269
	14	Norzagaray	270
	24	Sta. Maria	271
	4	Bocaue	272
	5	Bulacan	273
	2	Balagtas	274
	16	Pandi	275
	9	Guiguinto	276
	18	Plaridel	277
	19	Pulilan	278
	11	Malolos	279
	17	Paombong	280
	10	Hagonoy	281
	7	Calumpit	282

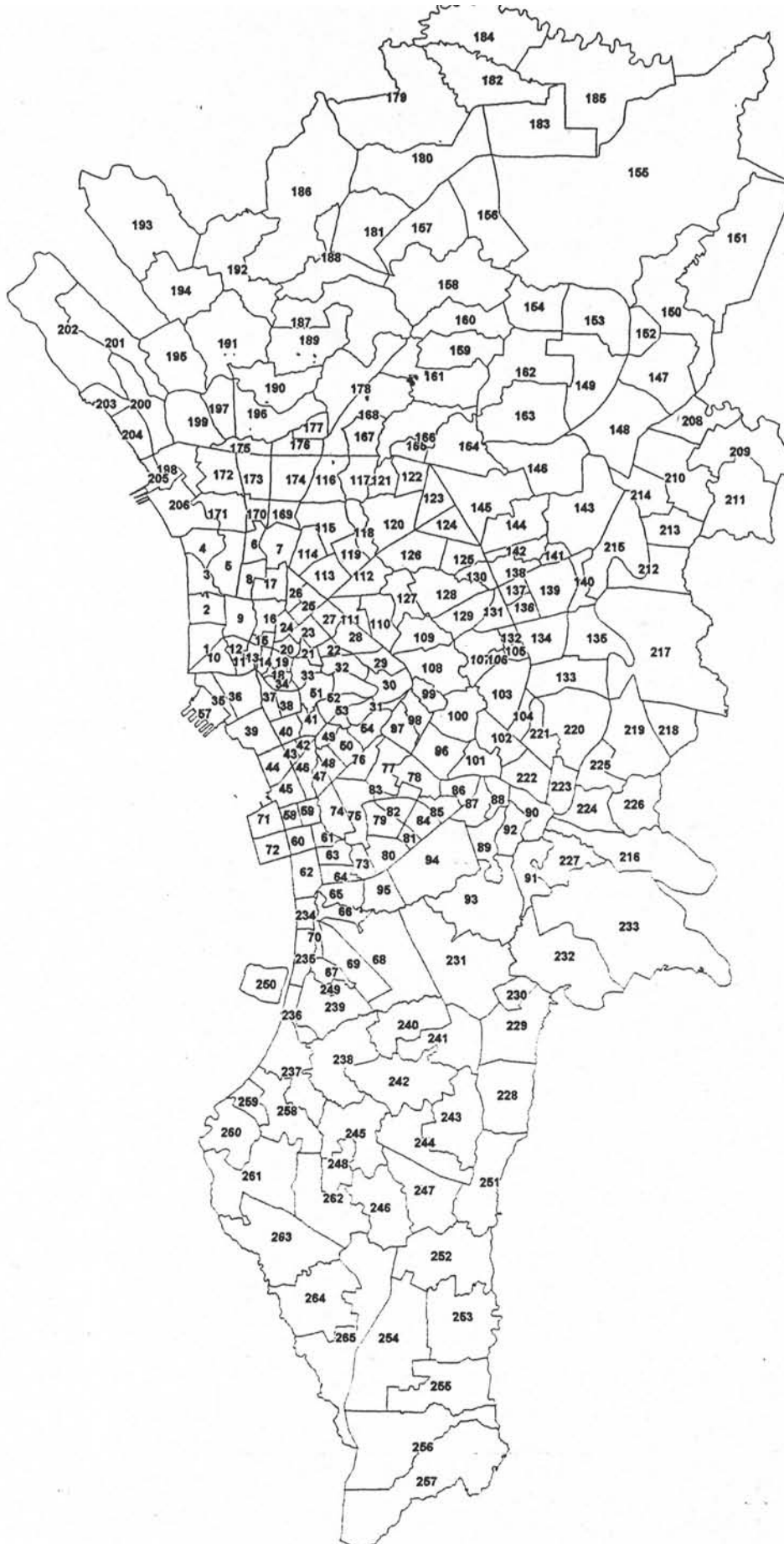
Municipality	No.	Zone Name	Zone No.	
Cavite*	5	Gen Mariano Alvarez	283	
	7	Dasmarinas / Fordes	284	
	3	Bacoor	285	
	10	Imus	286	
	12	Kawit	287	
	6	Cavite City	288	
	17	Noveleta	289	
	18	Rosario	290	
	9	General Trias	291	
	21	Tanza	292	
	23	Trece Martirez City	293	
	16	Naic	294	
	19	Silang	295	
	4	Carmona (divided 1990)	296	
	Laguna*	25	San Pedro	297
		3	Binan	298
28		Santa Rosa	299	
4		Cabuyao	300	
5		Calamba	301	
11		Los Banos	302	
Rizal*	13	Taytay	303	
	5	Cainta	304	
	2	Antipolo	305	
	11	San Mateo	306	
	8	Rodriguez	307	
	1	Angono	308	
	4	Binangonan	309	
	6	Cardona	310	
	9	Morong	311	
	14	Teresa	312	
	3	Baras	313	
Bulacan	12	Tanay	314	
	10	Pililla	315	
	7	Jala-jala	316	
	6	Buston	317	
	3	Baliuag	318	
	1	Angat	319	
	23	Sanrafael	320	
20	San Ildelfonso	321		
Cavite	8	Dona Remedios Trinidad	322	
	22	San Miguel	323	
Cavite	20	Tagaytay City	324	
	2	Amadeo	325	
	11	Indang	326	
	15	Mendez-Nunez	327	
	1	Lafonso	328	
	8	Gen. Emilio Aguinaldo	329	
	13	Magallanes	330	
	14	Maragondon	331	
	22	Ternate	332	

Municipality	No.	Zone Name	Zone No.
Laguna	2	Bay	333
	6	Calauan	334
	30	Victoria	335
	22	Pila	336
	26	Santa Cruz	337
	1	Alaminos	338
	24	San Pablo City	339
	17	Nagcarlan	340
	23	Rizal	341
	10	Liliw	342
	16	Majayjay	343
	15	Magdalena	344
	12	Luisiana	345
	7	Cavinti	346
	19	Pagsanjan	347
	13	Lumban	348
	9	Kalayaan	349
	18	Paete	350
	20	Pakil	351
	21	Pangil	352
	29	Siniloan	353
	8	Famy	354
	14	Mabitac	355
	27	Santa Maria	356

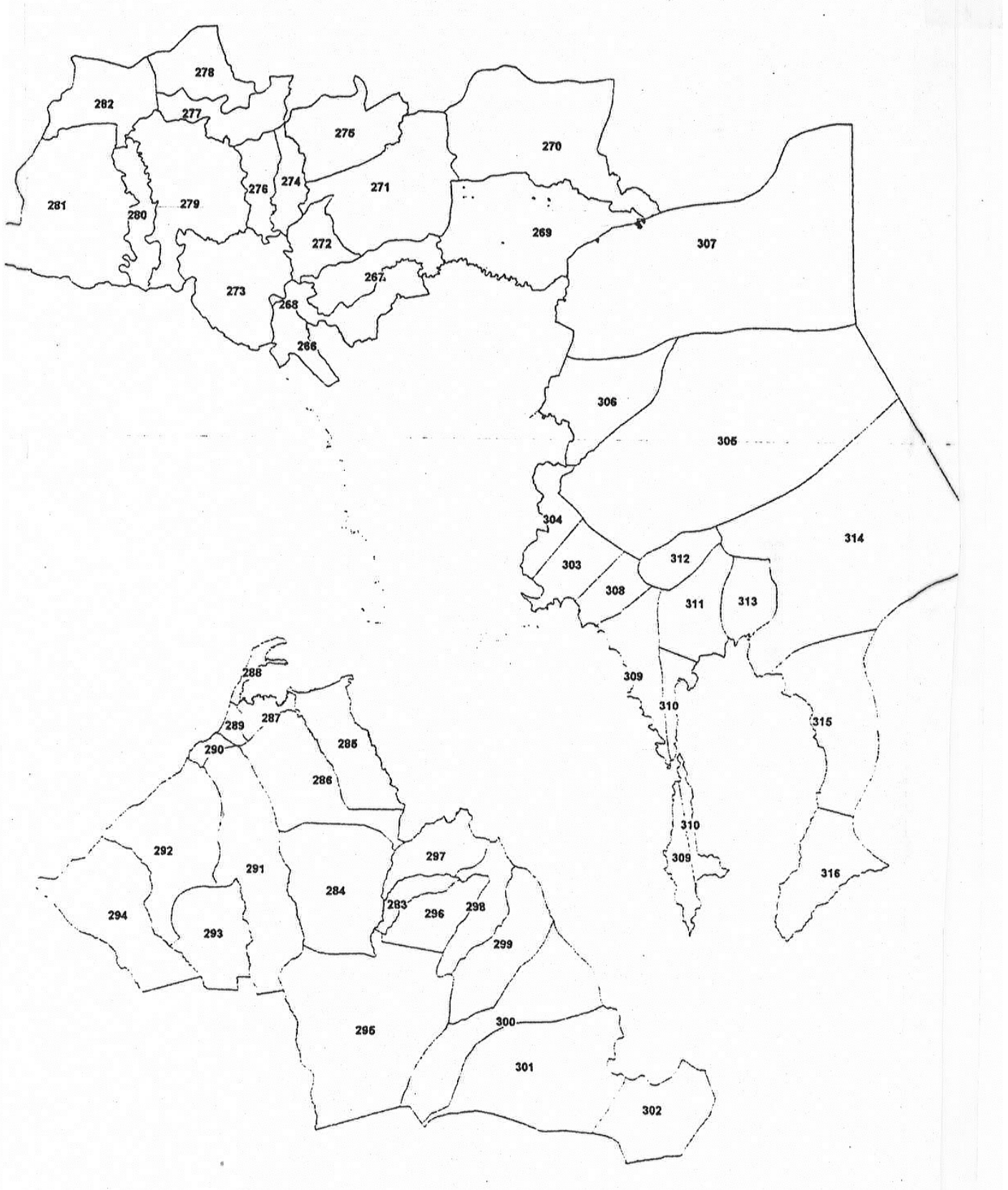
Municipality	No.	Zone Name	Zone No.
Others	1	Ilocos Norte	357
	2	Ilocos Sur	358
	3	LaUnion	359
	4	Pangasinan	360
	5	Abra	361
	6	Benguet	362
	7	Ifugao	363
	8	Kalinga-Apayao	364
	9	Mountain Province	365
	10	Batanes	366
	11	Cagayan	367
	12	Isabela	368
	13	Nueva Vizcaya	369
	14	Quirino	370
	15	Bataan	371
	16	Nueva Ecija	372
	17	Pampanga	373
	18	Tarlac	374
	19	Zambales	375
	20	Aurora	376
	21	Batangas	377
	22	Marinduque	378
	23	Occidental Mindoro	379
	24	Oriental Mindoro	380
	25	Palawan	381
	26	Quezon	382
	27	Romblon	383
	28	Albay	384
	29	Camarines Norte	385
	30	Camarines Sur	386
	31	Catanduanes	387
	32	Masbate	388
	33	Sorsogon	389
	34	Region 6 (Iloilo)	390
	35	Region 7 (Cebu)	391
	36	Region 8 (Leyte)	392
	37	Mindanao	393
	38	Abroad	394
Number of Zone		Metro Manila*	265
		Provinces (Study Area)	51
		Putside Study Area	78
		Total	394

Note: * - indicates MMUTIS Study Area

METRO MANILA ZONING MAP



ADJOINING STUDY AREA
ZONING MAP



2. Road Inventory Survey

A. Pavement and Side Friction:

Legend:

O	: Minimal	JORP	Jeepney on Road Parking
NP	: No Problem	SV-V	10% Sidewalk Vendor
TORP	: Tricycle on Road Parking	SV-X	20% Sidewalk
V	: 10 %	SV-XV	30% Sidewalk
X	: 20 %	SV-XX	40% Sidewalk
XV	: 30 %	SV-XXV	50% Sidewalk
XX	: 40 %	SV-XXX	60% Sidewalk
XXV	: 50 %	SV-XXXV	70% Sidewalk
XXX	: 60 %	SV-XXXX	80% Sidewalk
XXXV	: 70 %	SV-XXXXV	90% Sidewalk
XXXX	: 80 %	SV-XXXXX	100% Sidewalk
XXXXV	: 90 %		
XXXXX	: 100 %		

B. Pavement Condition:

A. Type	B. Crack	C. Pothole / Patch Work
1- Asphalt	1- 10-20%	1- 10-20%
2- Concrete	2- 30-50%	2- 30-50%
3- Mixed	3- 60%	3- 60% and above
4- Others		

C. Parking Condition (On Road or Sidewalk Parking)

- 1- T1 or T2 : Tricycle 1 or 2 sider
- 2- J1 or J2 : Jeepney 1 or 2 sider
- 3- C1 or C2 : Car 1 or 2 sider
- 4- B1 or B2 : Bus 1 or 2 sider

n.a. - not applicable

3. Truck Traffic Survey: Classification of Codes Used

A. Code - this code is used to identify the station name where the survey is being conducted.

Station	Code	Location
Cordonline	CH04	McArthur Highway
	CH05	Quirino Highway
	CH08	Antipolo Road
	CH09	Ortigas Avenue
	CH12	Manila-Cavite Coastal Road
	EX01	Balintawak
	EX02	Alabang Carmona
North Harbor	MP01	Pier 2
	MP02	Pier 4
	MP06	Pier 12
	MP08	Pier 16
South Harbor	MP09	Gate 1
	MP11	Gate 2
	MP12	Gate 7
	MP13	Manila International Container Terminal

B. Dir – this code identifies the direction taken by the truck.

Direction	Direction Name
A	Going into Metro Manila
B	Going out of Metro Manila

C. Mode – this code specifies the cargo vehicle type of truck travelling along the survey station.

Mode	Mode Name
1	Jeepney / Van / Pick-Up Station Wagon
2	Light Cargo Truck
3	Truck 2-axle
4	Truck 3-axle
5	Dump Truck
6	Trailer with Container
7	Trailer Head Only
8	Tank Lorry
9	Mixer

D. Net Capacity - indicates the net capacity of the cargo.

E. Nunit – is the unit of measurement used for net capacity.

Unit	Unit Name
1	Square Meter
2	Square feet
3	Kilogram
4	Pieces / bag cavans
5	Container
6	Tons
7	Cubic Meter
8	Cases
9	Boxes
10	Cylinders
11	Liters
12	Pounds

F. Gross Capacity – indicates the gross capacity of the cargo.

G. Gunit – unit used for gross capacity.

Unit	Unit Name
1	Square Meter
2	Square feet
3	Kilogram
4	Pieces / bag cavans
5	Container
6	Tons
7	Cubic Meter
8	Cases
9	Boxes
10	Cylinders
11	Liters
12	Pounds

H. Capacity – this is the capacity of the cargo in kilogram.

I. Load – this code classifies the load of the cargo the truck is carrying.

Load Code	Load Name
1	Full
2	¾
3	½
4	¼
5	¼ <
6	Empty

J. Cont. – the classification of the container is being specified by this code.

Container Code	Container Name
1	Dry
2	Reefer
3	Others as Specified

K. Conts – indicates the size of the container used.

Container Size Code	Container Size Name
1	20 feet
2	40 feet
3	others as Specified

L. Qty – present the quantity in kilograms

M. Ncont – for cargo carried by non-container, the following code specified its carrying mode.

Non-Container Code	Non-Container Name
1	Pallet
2	Bag
3	Carton
4	Case
5	Drum
6	Bulk
7	Others as Specified

N. Commodity – indicates the classification of the commodity.

Major Classification	Detailed Classification	Code
Unprocessed Cereals	Wheat	01
	Palay	02
	Maize	03
	Cereal Others	09
Agricultural Food Stuffs	Live Animal	11
	Meat	12
	Seafood	13
	Fruit	14
	Vegetables	15
	Eggs	16
	Milk, Others	19
Agricultural Cash Crops	Tobacco	21
	Cotton	22
	Copra	23
	Sugar Cane	24
	Food Stuffs	25
	Other Crops	29
Processed Cash Crops	Copra, Oil	31
	Vegetable Oil	32
	Sugar	33
	Molasses	34
Cereal Product	Milled Rice	35
	Milled Wheat	36
	Wheat Flour	37
	Rice Flour	38
	Processed Cereal	39
	Manufactured Food Stuffs	Canned Fruit
Fish and Meat		42
Groceries		43
Tobacco Products		44
Beer		45
Manufactured Food		49
Other Manufactured Goods	Drugs	51
	Footwear	52
	Furniture	53
	Textiles	54

Major Classification	Detailed Classification	Code
Other Manufactured Goods	Appliances	55
	Rubber Products	56
	Printer Matter	57
	Other Consumer	59
Forestry Products	Logs	61
	Bamboo	62
	Charcoal	63
	Forestry Product	64
Mining Product	Iron Ore	65
	Copper Ore	66
	Other Ore	67
	Pyrite	68
	Mining Product	69
Mineral Oil Products	Gasoline	71
	Diesel Oil	72
	Fuels	73
	Gas	74
Construction Materials	Mineral Oil	79
	Cement	81
	Concrete	82
	Steel	83
	Wood Product	84
	Asphalt	85
	Clay	86
	Stone, Sand	87
	Construction Material	89
	Producers Goods	Fertilizer
Paper		92
Machinery		93
Chemicals		94
Miscellaneous	Scrap Iron	95
	Garbage	96
	Passengers	97
	Miscellaneous	98
	Empty Truck	99

4. Travel Speed Survey

Code	Cause of Delay
LT	Left Turn
RT	Right Turn
PED	Pedestrians
PC	Parked Cars
BP	Bus Loading or Unloading
JP	Jeepney Loading or Unloading
S1	Traffic Signs
S2	Traffic Enforcers
S3	Stop Sign
DP	Double Parking
MB	Mid Block
T	General Congestion
OT	Others

5. Traffic Accident

1. Report No.
2. Provincial Command
3. Police Station
4. Regional Command
5. No. of Vehicles Involved
6. No. of Driver Casualties
7. No. of Passenger Casualties
8. No. of Pedestrian Casualties
9. Accident Severity:
 - F - Fatal
 - S - Serious Injury Accident
 - M - Minor Injury Accident
 - D - Property Damage Only
10. Date
11. Month
12. Year
13. Day of Week
14. Time (Military Time)
15. Junction Type
 - 1. Not at Junction
 - 2. 4 Leg
 - 3. T
 - 4. Offset
 - 5. Y
 - 6. Rotonda
 - 7. Railway
 - 8. Other
16. Traffic Control
 - 1. None
 - 2. Centerline
 - 3. Pedestrian Crossing
 - 4. Scholl Crossing
 - 5. Police Controlled
 - 6. Traffic Lights
 - 7. Stop Sign
 - 8. Give Way
 - 9. Others
17. Collision Type
 - 1. None
 - 2. Rear End
 - 3. Right Angle
 - 4. Side Wipe
 - 5. Overturned Vehicle
 - 6. Hit Object InRoad
 - 7. Hit Object Off Road
 - 8. Hit Parked Vehicle
 - 9. Hit Pedestrian
 - 10. Hit Animal
 - 11. Others
18. Movement
 - 1. 1-Way Street
 - 2. 2-Way Street
19. Separation
 - 1. Median
 - 2. No Median
20. Weather
 - 1. Fair
 - 2. Rain
 - 3. Wind
 - 4. Smoke
 - 5. Fog
 - 6. Dazzle
21. Light
 - 1. Daylight
 - 2. Dawn / Dusk
 - 3. Night (lit)
 - 4. Night (Unlit)
22. Road Character
 - 1. Straight + Flat
 - 2. Curve Only
 - 3. Incline Only
 - 4. Curve + Incline
 - 5. Bridge
 - 6. Crest

- 23. Surface Condition
 - 1. Dry
 - 2. Wet
 - 3. Muddy
 - 4. Flooded
 - 5. Other
- 24. Surface Type
 - 1. Concrete
 - 2. Asphalt
 - 3. Gravel
 - 4. Earth
- 25. Main Cause
 - 1. Vehicle Defect
 - 2. Road Defect
 - 3. Human Error
- 26. Road Class
 - 1. National
 - 2. Provincial
 - 3. City
 - 4. Municipal
 - 5. Barangay
- 27. Road Repair
 - 1. Road under Repair
 - 2. Not under Repair
- 28. Hit and Run
 - 1. Hit and Run
 - 2. Not Hit and Run
- 29. Location Type
 - 1. Urban Area
 - 2. Rural Area
 - 3. Sitio
- 30. XY Map
- 31. X-Coordinate
- 32. Y- Coordinate
- 33. Route No.
- 34. KM
- 35. 100m
- 36. Node Map
- 37. Node 1
- 38. Node 2

LOCATION

- Name of City / Town / Barangay
- Distance (km/m)
- Name of Road
- Landmark 1
- Distance (km/m)
- Landmark 2
- Distance (km/m)
- Name of Second Road
- Distance (km/m)
- (for junction accident)
- Location Sketch
- Collision Diagram Sketch
- Police Description of Accident
- Driver Statements
- Witness
- Name
- Address
- Investigating Officer
- Name / Rank
- Date
- Supervising Officer
- Name / Rank
- Date

Action Taken
 Recommendation
 Status Case

VEHICLE

39. Vehicle Plate No.

Owner's Name and Address

40. Company

Manufacturer (Make)

Model / Year

41. Vehicle Type

- | | | |
|---------------|------------------|-------------------|
| 1. Bicycle | 5. Car | 9. Truck (Arctic) |
| 2. Pedicab | 6. Jeepney | 10. Van |
| 3. Motorcycle | 7. Bus | 11. Animal |
| 4. Tricycle | 8. Truck (Rigid) | 12. Other |

42. Vehicle Manuever

- | | | |
|------------------|------------------|---------------------|
| 1. Left Turn | 6. Diverging | 11. Sudden |
| 2. Right Turn | 7. Overtaking | 12. Parked off Road |
| 3. "U" Turn | 8. Going Ahead | 13. Parked On Road |
| 4. Cross Traffic | 9. Reversing | 14. Other |
| 5. Merging | 10. Sudden Start | |

43. Loading

- | | |
|----------------|----------------|
| 1. Legal | 3. Unsafe Load |
| 2. Over Loaded | |

44. Vehicle Defect

- | | |
|-------------|-------------|
| 1. None | 5. Tires |
| 2. Lights | 6. Multiple |
| 3. Brakes | 7. Other |
| 4. Steering | |

45. Vehicle Damage

- | | | |
|----------|----------|-------------|
| 1. None | 4. Right | 7. Multiple |
| 2. Front | 5. Left | 8. Other |
| 3. Rear | 6. Roof | |

DRIVER

Name

Address

License Number

License Type

Expiry Date

46. Driver Sex

47. Driver Age

48. Driver Injury

- | | |
|-------------|-----------------|
| F – Fatal | M – Minor |
| S – Serious | N – Not Injured |

49. Driver Error

- | | | | |
|-----------------------|----------------------------|--------------------|-------------------|
| | 1. None | 4. Too Fast | 7. Bad Overtaking |
| | 2. Fatigued / Asleep | 5. Too Close | 8. Bad Turning |
| | 3. Inattentive | 6. No Signal | 9. Other |
| 50. Alcohol | | | |
| | 1. Alcohol Suspected | 2. Not Suspected | |
| 51. Seat Belt/ Helmet | | | |
| | 1. Seat Belt / Helmet Worn | Not Worn Correctly | |
| | 2. Not Worn | | |

PASSENGER CASUALTIES

Name

Address

52. Vehicle No.

53. Sex

54. Age

55. Passenger Injury

F – Fatal

M – Minor

S – Serious

56. Passenger Position

1. Front Seat

4. Bus Passenger

2. Rear Seat

5. Outside – Sitting

3. M / Cycle Passenger

6. Outside – Standing

57 Passenger Action

1. None

4. Falling

2. Boarding

5. Other

3. Alighting

PEDESTRIAN CASUALTIES

Name

Address

58. Sex

59. Age

60. Pedestrian Injury

F – Fatal

M – Minor

S – Serious

61. Pedestrian Location

1. On Pedestrian Crossing

4. Walking Along Edge

2. Within 50 \m Ped Crossing

5. Playing Road

3. On Central Refuge

6. On Footpath

62. Pedestrian Action

1. None

4. Walking Along Edge

2. Crossing Road

5. Playing On Road

3. Walking Along Road

6. On Footpath

RESEARCH CODES

63. Research Code 1

64. Research code 2

65. Research Code 3

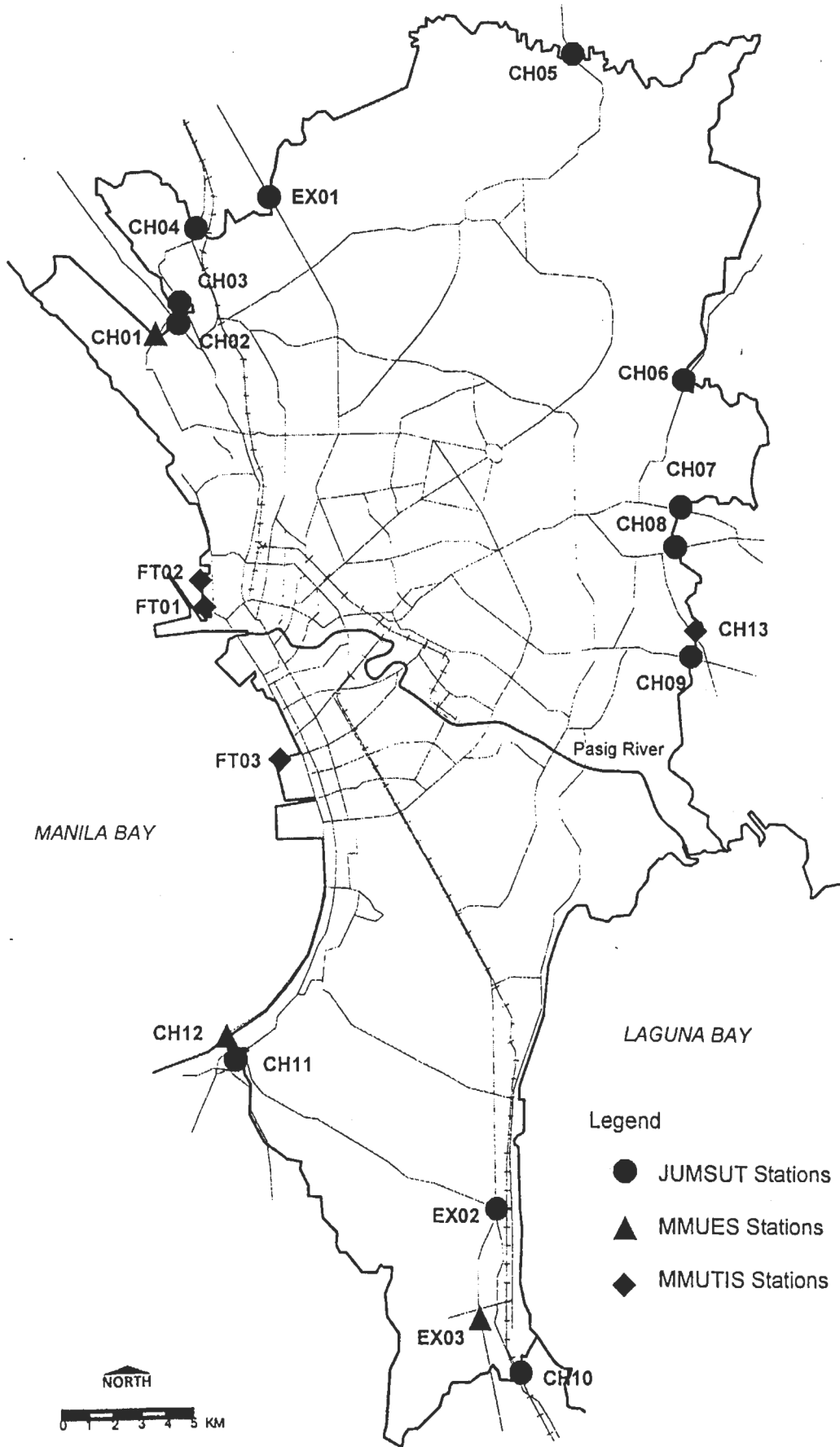
6. Cordonline and Screenline

A. Cordonline

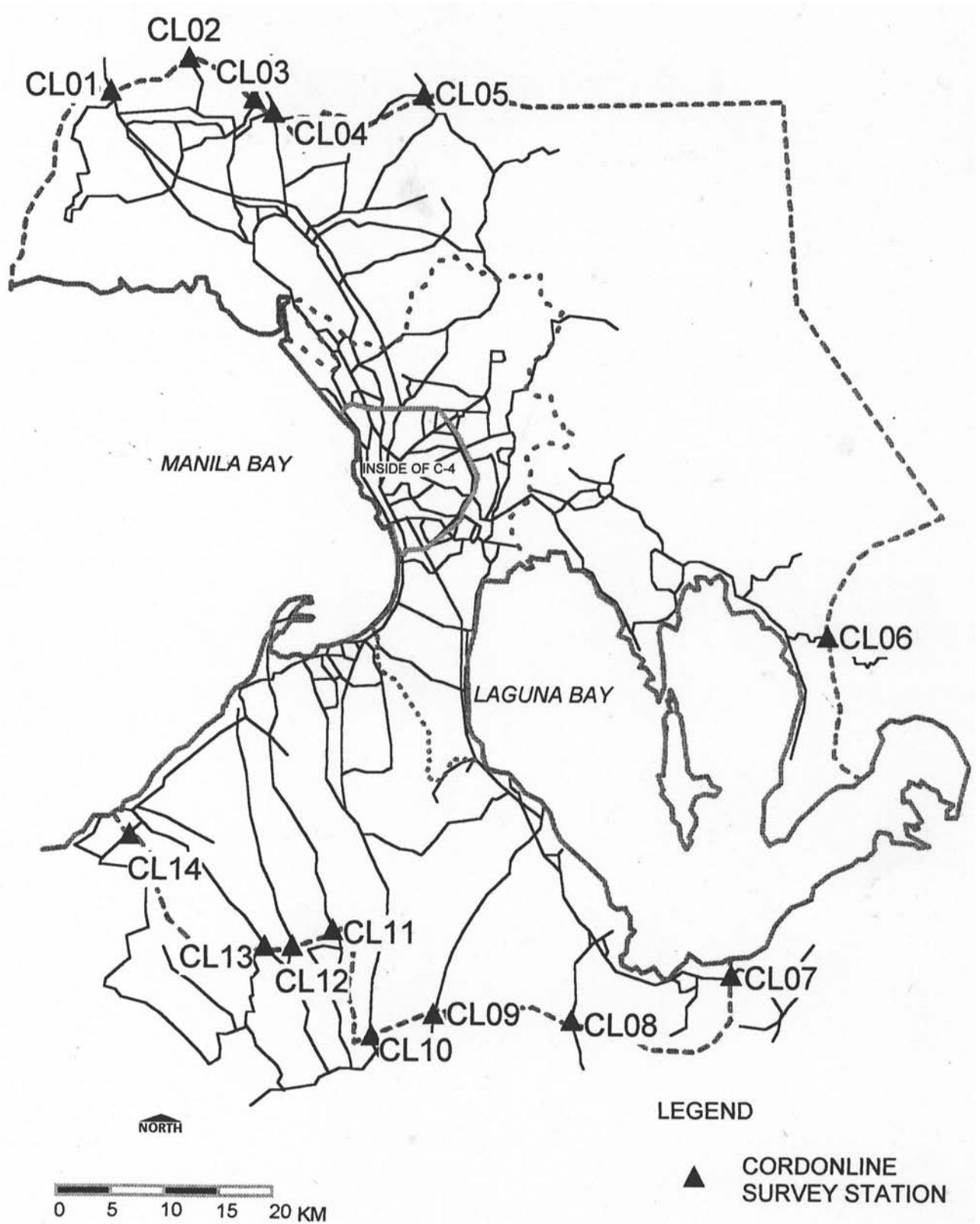
Code	Survey Station	Location
<i>Inner Cordon (Metro Manila Boundary)</i>		
CH01	Malabon-Obando	Boundary of Malabon & Obando (Bulacan)
CH02	Panghulo Road	Boundary of Valenzuela & Obando (Bulacan)
CH03	Gen. Vililla	Boundary of Valenzuela & Obando (Bulacan)
CH04	McArthur Highway	Boundary of Valenzuela & Meycauayan (Bulacan)
CH05	Quirino Highway	Boundary of Quezon City & San Jose D.M.(Bulacan)
CH06	Marikina-Sn. Mateo Road	boundary of Marikina & San Mateo (Rizal)
CH07	Marikina-Cargo Road	outside of intersection of Marcos & Sumulong Highway
CH08	Antipolo Road	outside of intersection of Marcos & Sumulong Highway
CH09	Ortigas Avenue	boundary of Pasig & Cainta (Rizal)
CH10	San Pedro	boundary of Muntinlupa & Laguna
CH11	Bacoor	boundary of Las Pinas & Bacoor (Cavite)
CH12	Manila-Cavite Coastal Road	boundary of Las Pinas & Bacoor (Cavite)
CH13	Imelda Avenue	Boundary of Pasig & Cainta (Rizal)
EX01	Malinta-Meycauayan	through & going into/out traffic outside of diamond
EX02	Alabang-Carmona	Through & going into/out traffic outside of intersection
EX03	Susana Heights	4 direction-traffic at Susana Heights junction
FT01	Ferry Terminal (Pier 4) *	North Pier No. 4
FT02	Ferry Terminal (Pier 14) *	North Pier No. 14
FT03	Ferry Terminal (PICC) *	Near Philippine International Convention Center
<i>Outer Cordon (Study Area Boundary)</i>		
CL01	Calumpit-Apalit 1 *	Boundary of Calumpit (Bulacan) & Apalit (Pampanga)
CL02	Calumpit-Apalit 2 *	Boundary of Calumpit (Bulacan) & Apalit (Pampanga)
CL03	Pililian-Baliuag *	Boundary of Pulilan & Baliuag (Bulacan)
CL04	Plaridel-Bustos *	Boundary of Plaridel & Bustos (Bulacan)
CL05	Plaridel-Angat *	Boundary of Norzagaray & Angat (Bulacan)
CL06	Pilillia-Mabitac *	Boundary of Pilillia & Mabitac (Rizal)
CL07	Los Banos-Bay *	Boundary of Los Banos & Bay (Laguna)
CL08	Calamba-Santo Tomas *	Boundary of Calamba (Laguna) & Santo Tomas (Batangas)
CL09	Silang-Tagaytay 1 *	Boundary of Silang & Tagaytay City (Cavite)
CL10	Silang-Tagaytay 2 *	Boundary of Silang & Tagaytay City (Cavite)
CL11	Gen. Trias-Amadeo *	Boundary of Gen. Trias & Amadeo (Cavite)
CL12	Trece Martires-Indang *	Boundary of Trece Martires City & Indang (Cavite)
CL13	Naic-Indang *	Boundary of Naic & Indang (Cavite)
CL14	Naic-Maragondon *	Boundary of Naic & Maragondon (Cavite)

* denotes new stations in this study

LOCATION OF METRO MANILA CORDONLINE STATION
(INNER CORDONLINE)



LOCATION OF METRO MANILA OUTER – CORDONLINE STATION
(OUTER CORDON LINE)



B. Screenline

Screen Line	Code No.	Survey Station	Location
East-West Screen (Pasig River)	SL01	Roxas Bridge (Del Pan Bridge)	Pasig River - Bonifacio Drive
	SL02	Jones Bridge	Pasig River - Taft Avenue
	SL03	McArthur Bridge	Pasig River - Rizal Avenue
	SL04	Quezon Blvd.	Pasig River - Quezon Blvd.
	SL05	Ayala Bridge	Pasig River - Ayala Blvd.
	SL06	Nagtahan Bridge	Pasig River - Nagtahan
	SL07	Lambingan Bridge	Pasig River - New Panaderos
	SL08	Guadalupe Bridge	Pasig River - EDSA
	SL09	Bambang	Pasig River - A.Luna
	SL30	Makati-Mandaluyong Bridge *	Pasig River - Makati Avenue
	SL33	C5 *	Pasig River - C5
North-South Screen (San Juan River)	SL10	EDSA near Roosevelt	San Juan River - EDSA
	SL11	Del Monte Avenue	San Juan River - Del Monte Avenue
	SL12	Quezon Avenue	San Juan River - Queson Avenue
	SL13	E.Rodriguez Avenue	San Juan River - E.Rodrigues
	SL14	Aurora Avenue	San Juan River - Aurora Avenue
	SL15	N.Domingo	San Juan River - N.Domingo
	SL22	Shaw Blvd.	San Juan River - Shaw Blvd.
	SL23	Bagbaguin	Boundary of Valenzuela & Kalookan
	SL24	Quirino Highway	Quezon City
	SL25	Quirino Highway -Tandang Sora	Auezon City
	SL31	Araneta Avenue *	San Juan River - Araneta Avenue
	SL34	Caroline *	San Juan River - Caroline
	SL35	Road 20 *	Dario Creak - Road 20
North-South Screen (PNR)	SL16	Pedro Gil	crossing of PNR & Pedro Gil
	SL17	San Andres	crossing of PNR & San Andres
	SL18	Vito Cruz	crossing of PNR & Vito Cruz
	SL19	Buendia Avenue	crossing of PNR & Buendia Avenue
	SL20	Pasay Road	crossing of PNR & Passay Road
	SL21	EDSA	crossing of PNR & EDSA
	SL26	Nichols McKinely Road	crossing of PNR & Nichols Mckinely
	SL27	Dona Soledad Avenue	crossing of PNR & Dona Soledad
	SL28	Dr.M.L. Carreon	crossing of PNR & Dr.M.L. Carreon
	SL29	M.L. Quezon	M.L. Auezon - Bagumbayan River
	SL32	Don Basco *	crossing of PNR & Don Basco
	SL36	C5 *	crossing of PNR & C5
	SL37	Manalac Avenue *	crossing of PNR & Manalac Avenue

* denotes additional stations in this survey

LOCATION OF METRO MANILA SCREENLINE STATIONS

