9. STATISTICS FOR SOCIOECONOMIC CONDITIONS

9. STATISTICS FOR SOCIOECONOMIC CONDITIONS

The following data and results are obtained in this Study.

Table 9-1 Development plans in municipalities/cities in the Study Area.

Table 9-2 Proposed general land use plan.

Table 9-3 Categorization of the poblacions.

Table 9-4 Basic data on criteria for categorization and selection

Table 9-5 Estimated population by water supply facility level by municipality/city.

Table 9-6 Estimated water demand in the Study Area by municipality/city.

Table 9-7 Urgency estimation for groundwater development.

City/Municipality	/ Targets and Points of Development Plan	Major Constraints and Problems
l Dasmarinas	 Natural seeds beds for industrial development, Efficient delivery of basic social services, Improvement of education, health and sanitation, Improvement of business climate for investment, Promotion of livelihood project and infrastructure development, Strong Financial Position 	 Mushrooming of squatter areas Lack of adequate infrastructure support facilities and services such as water, power, roads and communications Balanced development between industry and agriculture
2 Indang	 Development as a model upland community and as the trading center of the upland agricultural municipalities Improvement of the standard of living and provision of employment Promotion and development of agriculture and agro-industries as the main sources of livelihood Provision of vital support services such as roads, water and power Optimal utilization of prime agricultural land resources 	 Lack of appropriate roads, institutional buildings, medical and social welfare facilities, and planned rural communities High employment ratio
3 Gen. M. Alvarez	 Industrial development with combination of other sectors Increase of agricultural productivity and maximum utilization of the its limited land Provision of the necessary infrastructure facilities such as roads, power, water and transportation Provision of a balanced and compatible land use 	 Lack of own financial resources Insufficient water supply No garbage disposal facilities High population density (Resettlement area)
4 Mendez	(1) Development of agriculture (2) Optimum development of land in combination with environment	(1) Lack of own financial resources(2) Insufficient water supply
· · ·		

5 Silang	 Development of agriculture and industry Maximizing the economic participation of its inhabitant Improvement of infrastructure such as roads, water supply and power 	(1) Lack of the production of stable food(2) Low participation rate of primary education(3) Dependency from the national aids
6 Tanza	 Balanced development of agriculture, industry and commerce Conservation of agricultural land Development of fishery 	 Shortage of own fund Convertion from agricultural to residential or industrial land
7 Tagaytay City	 Development of the city as a tourism center Development of agriculture Improvement of the financial capability Control of land use and environmental protection Improvement of infrastructure 	 Difficulty of environmental protection Insufficient water supply
8 Amadeo	 Development of agriculture and marketing of produce Improvement of infrastructure such as road, water, power and transportation Promotion of a balanced and compatible land use Promotion of industrial and agro-industrial development 	 Insufficient infrastructure system Limited land resources
9 Magallanes	 Improvement of the barangay road network Upgrading of the economic situation Enhancement of administrative capabilities Introduction of environmental awareness to the residents 	 Poor road network Lack of financial resources Uncontrolled cutting down of trees

City/Municipality	Targets and Points of Development Plan	Major Constraints and Problems
10 Maragondon	 Development of agriculture as the main resources Provision of income/employment opportunities Improvement of infrastructure such as roads, power and communication Full exploitation of water resources Development of forest potentials 	(1) Lack of appropriate road network(2) Lack of educational facilities
11 Ternate	 Tourism development (the declared first tourism zone) Increase of agricultural and fishery production Development of the tourism related manufacturing industries and commercial activities 	 Small population size has negative effects to agricultural production, industrial development and commercial activities. Lack of farm to market roads, transport facilities, market facilities and so on. Ineffectiveness of the municipal administration machinery in formulating development programs
12 Alfonso	 Development as the agriculture base and food basket of the Cavite Province and Metro Manila Development as the trading center Tourism development as the scenic and natural attraction point in the Cavite tourism belt A quality residential suburb 	 (1) Lack of infrastructure development such as road, bridge, power, water supply and telecommunication (2) Lack of health staff and teachers
13 Naic	 Development of agriculture and fishery Promotion of fishery related industries such as fish canning Improvement of infrastructure sector such as roads, portable water supply, irrigation facilities, power and flood control measures Improvement of environmental sanitation 	 Lack of proper health care and facilities Low agricultural productivity Insufficient infrastructure system

	Targets and Points of Development Plan	Major Constraints and Problems
14 G. E. Aguinaldo (1 (2	 Development of agriculture sector with high productivity Improvement of infrastructure such as irrigation system, road, water supply and communication Environmental protection (need of planting trees) 	 No alternative road to access to Metro Manila Low productivity of agricultural output Considerable abandoned arable areas
15 Carmona (1 (2 (3	 Promotion of development of industrial estate in suitable areas Enhancement of agricultural potentials in order to augment the food base Re-orientation of the economic base from agricultural to agro-industrial activities Adequate allocation of land areas for residential, industrial, commercial, recreation, and agricultural uses 	 Lack of systematic and orderly development Requirements of appropriate infrastructure such as roads, water supply and power. Resettlement area
16 Trece Martirez City (1 (2 (3 (4 (5	 16 Trece Martirez City (1) Development as an administrative center (2) Promotion of urban/industrial development (3) Promotion of the commercial and business development (4) Development of agriculture (5) Maintenance of ecological integrity 	 Inefficient social and infrastructure delivery Needs of appropriate control of mixed land use
17 Gen. Trias (1	 Development of industry and agriculture Improvement of infrastructure such as barangay roads 	 Insufficient water supply Shortage of farm workers (especially young generation) Shortage of garbage trucks

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Land use Category	Area (ha)	Share(%)
Agricultural	100,706	70.6
Non-agricultural	42,000	29.4
1. Existing Urban (Built-up)	22,000	15.4
2. Future Residential Areas	6,000	4.2
3. Commercial and Institutional	2,000	1.4
4. Industrial	4,500	3.2
5. Tourism/Forest Development	7,500	5.3
Total	142,706	100.0

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Table 9-2 PROPOSED GENERAL LAND USE PLAN

Source: Provincial Development Plan 1990-2000, Province of Cavite Note: Area size of non-agricultural land increase by 6,000 ha compared with the existing land use. Table 9-3 CATEGORIZATION OF THE POBLACIONS

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	Category	I+ V	×	 1+ V	×	×	F+A	A+C	¥
itions	Major Economic Profile and Other Factors	Rapid development as a part of growth corridors wwas experienced. Manufac- turing sector (including several industrial estates) play major roles as well as agriculture sector. Commerce and trade transaction is also active	The economy essential depends on agriculture. Major crops are coconut, coffee and banana. Existing commercial and industrial establishments play a relatively minor role	Industry begin to play major roles in economy. Although agriculture is important, cetain part of land is not suitable for agricultural cultivation.	Major economic activity is agriculture. Commercial activities, which has a link of Tagayray, is expected.	Agriculture is a base of economy. Major crops are coffee, coconut, banana and pineapple. The manufacturing industries are limited to small scale type.	Major economic activities are agriculture, fitsthery and industry. Major crop is rice.	The feature of the economy is tourism. The City is located in the center of tourism belt. Tokurism related commer- cial, and service sectors are active. Agriculture is alsok important and the traditional economic base.	Agriculture is major economic sector. Major crops are coffee, banana and ecconut.
Social Conditions	Trend of Development	Industrial Zone Residential Zone		New Town Resettling Area				Recreatioual Zone	
	Principal Ind.	A, I	K	I > A	¥	1 <a< td=""><td>F,A>>I</td><td>C ≮</td><td>A>> I</td></a<>	F,A>>I	C ≮	A>> I
	Category	æ	υ	<u>م</u>	٩	ט'	¥	' ۵	۵
litions	S.C.	48.4 4	53.1	8	143.4	8	46.7	110.0	18.1
Natural Conditions	Well Depth (m)	80.3	51.2	63.9	65.8	02	63.4	115.9	105.0
	Altitude (m)	8	300	140	520	320	10	6 50	420
	City/ Municipality	(1) Dasmarinas	(2) Indang	(3) GM Alvarez	(4) Mendez	(5) Silang	(6) Tanza	(7) Tagayay City	(8) Amadeo

Table 9-3 CATEGORIZATION OF THE POBLACIONS (Cont'd)

				-			
	02	19.9	l "m	×		Municipality's economy is highly dependent on agriculture sector. Major erop is econnti.	<
	\$	75	A	A		Agriculture is major econokmic sector. Major cropt is rice with production of 8,600 ton.	V
	74.9	25.9	- ¥	F>A	Recreational Zone	Fishery and agriculture are major activities. Major crops are rice, fruits and rootcorps. Also, since the municipa- lity is included in the tourism belt, tourism industry is expected.	F + A
	70	62.2	υ	¥		Agriculture is the laargest sector. 91% or 6,394 ha of the total land area is used for agricuture with 33,600 farmers. Major crops are tree crops such as coconut and coffee.	<
	137	64.8	¥	F, A	Recreational Zone	Agriculture and fishery are important economic sectors. Major crop is rice. Fish are marketed to Metro Mamila and ⁻ neighboring municipalities	F + A
58	45.9	30.0	l m	×		Agriculture is an economic base. Major products are cokconut, rice and coffee. Other sectors' roles are very limited.	~
120	83.0	70.0	œ	A>1	Industrial Zone Resettling Arca	Agriculture is an important sector. 1.518 ha is devoted to agricultural activity. Major crops are sugar case, rice and pineapple. Manufacturing sector is also active.	1+V
110	43.2	L.FL2	l m	Å, I	Industrial Zone Residential Area	Agriculture is a traditional economic based. Scale of commercial and industrial business are rather small. The municipality is included in the industrial, residential and mix zone.	I+A
20	41.8	16.4	' «	A.I	Industrial Zone Residential Area	Agriculture is a traditional economic base. Also, industry (including judustrial estate development) has become certain share of the economy.	1+4

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Table 9-4 BASIC DATA ON CRITERIA FOR CATEGORIZATION AND SELECTION

	MUNICIPAL TITES	ALITTUDE	Av.G.W.	Av.G.W. SOCIO- HOUSEHOLDS SERVED(%) POI	HOUSEHOLI	HOUSEHOLDS SERVED(%)		POPULATION	
	AND CITIES	(W)	LEVEL(m)	ECONOMIC DEV. TREND	LEVEL III	LEVEL II+III	1990	2000	2000/1990
-	DASMARINAS	80	29.5	CATEGORY c	79.1	92.8	136,556	359,377	2.63
6	· INDANG	280-300	17.4	CATEGORY a	25.0	95.7	39,224	49,860	1.27
ິຕ	G.M.A.	110-180	62.6	CATEGORY c	33.4	95.8	65,977	95,432	1.45
4	MENDEZ	480-520	75.7	CATEGORY a	47.4	63.4	17,652	20,709	1.17
.	SILANG	300–320	49.6	CATEGORY a	34.7	77.0	93,790	127,890	1.36
9	TANZA	<10	7.3	CATEGORY b	0.0	0.0	61,785	87,407	1.41
7	TAGAYTAY	650-680	145.0	CATEGORY d	84.7	89.6	23,739	34,536	1,45
8	AMADEO	420-440	53.4	CATEGORY a	38.2	52.4	21,022	27,227	1.30
6	MAGALLANES	160-170	23.4	CATEGORY a	0.0	50.5	12,556	16,262	1.30
10	MARAGONDON	10-20	20.9	CATEGORY a	30.6	30.6	22,814	28,893	1.27
11	TERNATE	<10	6.4	CATEGORY b	0.0	0.0	11,981	14,734	1.23
- 12	ALFONSO	400-410	29.9	CATEGORY a	48.4	81.2	28,944	38,112	1.32
13	NAJC	<10	8.4	CATEGORY d	3.8	8.0	51,629	69,723	1.35
14	G.E.AGUINALDO	200210	17.5	CATEGORY a	23.1	56.7	10,954	12,538	1.14
15	CARMONA	20-25	5.5	CATEGORY c	0.0	0.0	28,247	41,775	1.48
16	TRECE MARTIRES	100-150	18.5	CATEGORY c	23.6	39.4	15,686	28,680	1.83
17	GEN. TRIAS	10-15	13.8	CATEGORY c	1.8	1.8	52,888	70,390	1,33

ESTIMATED POPULATION BY WATER SUPPLY FACILITY LEVEL BY MUNICIPALITY/CITY Table 9-5

No. City/Municipality Population	ation	[Level]	I	Level I	Π	Level I	III	Doubtful Sources	ources
Total	tal	Pop. Served	%	Pop. Served	%	Pop. Served	%	Pop. Served	%
359	359,377	20,647	5.7	39,294	10.9	299,436	83.3	0	0.0
49	49,860	2,164	4.3	35,234	70.7	12,461	25.0	0	0.0
95	95,432	3,347	3.5	49,630	52.0	42,455	44.5	0	0.0
20	20,709	7,989	38.6	3,501	16.9	9,219	44.5	0	0.0
127	27,890	25,698	20.1	58,064	45.4	39,577	30.9	4,550	3.6
87	87,407	63,692	72.9	0	0.0	15,031	17.2	8,684	9.6
34	4,536	1,314	3.8	2,316	6.7	29,259	84.7	1,646	4.8
27	7,227	12,886	47.3	3,926	14.4	10,415	38.3	0	0.0
16	5,262	5,965		8,811	54.2	0	0.0	1,486	9.1
28	28,892	17,349		0	0.0	11,543	40.0	0	0.0
14	4,734	14,734		0	0.0	0	0.0	0	0.0
38	38,112	7,014		12,664	33.2	18,434	48.4	0	0.0
	9,723	59,378	85.2	5,431	7.8	4,914	7.0	0	0.0
14 Gen. Aguinaldo 12	12,538	5,299	42.3	4,343	34.6	2,896	23.1	0	0.0
	1,775	41,775	100.0	0	0.0	0	0.0	0	0.0
ity	28,680	14,507	50.6	3,771	13.2	10,402	36.3	0	0.0
-	70,390	68,883	97.9	0	0.0	1,507	2.1	0	0.0
Study Area Total 1,123	123,543	372,643	33.2	226,985	20.2	507,548	45.2	16,367	1.5

Source: JICA Study Team

Notes

(1) Doubtful sources mean water of river, rain water, undeveloped spring, buying water from peddler, and others. (2) For some municipalities, the population served in level III comes from the studies by Water Districts. (3) It is assumed that new water distrits will be established in Naic and Trece Martirez City by the year 2000.

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ESTIMATED WATER DEMAND IN THE STUDY AREA BY MUNICIPALITY/CITY Table 9-6 Unit: cubic meter in year 3,446,828 632,150 3,794,420 1,455,079 (,496,775 ,759,714 789,006 ,275,069 ,581,739 066,191,990770,194 331,821 216,732 ,237,626 321,427 789.532 5,983,055 45.073.15 Total 5.3 1.4 (%) 61.2 81.9 21.1 22.5 Industrial *2) Consumption 82,500 54,750 4,049,675 4,900,125 967,250 10,154,300 $\overset{\infty}{}$ 8. 2.7 1.3 1.9 2.7 2.0 3.7 9.1 5.0 0.6 4 4 8 3.1 Institutional Consumption 52,249 11,338 47,855 8,903 27,298 18,908 15,818 14,907 8,067 20,867 38,173 6,865 22,872 15,702 38.539 <u>96 759</u> <u>615,140</u> 12.2 12.0 12.3 12.9 17.9 24.8 10.9 8.7 13.4 20.6 18.1 14.2 9.6 13.3 6.8 0 0.1 જી 4.3 9.1 Commercial *1) Consumption 1,311,725 181.988 348,327 75,588 466,799 319,035 53,780 152,479 126,057 59,356 99,377 05,456 39,111 45,765 254,488 104,681 256.923 4,100,932 86.0 86.2 84.4 79.2 90.06 79.4 84.6 83.6 83.1 85.2 71.5 87.5 76.4 27.8 84.8 67.0 13.2 8 Domestic Consumption 1,287,489 2,863,752 3,202,852 ,310,114 655,910 667,732 154,885 .115,092 944,966 439,139 669,149 30,202,785 545,224 ,392,824 263,561 268,797 787,468 3.633.831 Population 49,860 95,432 20,709 87,407 34,536 27,890 27,227 16,262 28,892 38,112 12,538 28,680 14,734 69,723 41,775 70,390 (Person) 359,377 23,543 16 Trece Martirez City No. City/Municipality Study Area Total 14 Gen. Aguinaldo 7 Tagaytay City 10 Maragondon 9 Magallanes **1** Dasmarinas 7 Gen. Trias 8 Amadeo 15 Carmona 3 G. M. A. 4 Mendez 11 Ternate 12 Alfonso 5 Silang 2 Indang 6 Tanza 13 Naic

Source: JICA Study Team

Notes:

1) Including small scale industries (based on LWUA methodology manual) 2) Large water users in the industrial estates

Table 9-7 URGENCY ESTIMATION FOR GROUNDWATER DEVELOPMENT

<u> </u>					Population		
· ·	Name of	Population	Population	Population	Rate of	Present Water Supply	
No.	Local Gov't.	in 1990	Density	in 2000	Increase	Condition for Poblacion	Urgency
						Water District (Level III)	
1	Dasmarinas	136,556	16.6	359,377	10.16	S (1) + W (26)	C
		i				Water District (Level III)	
2	Indang	39,294	4.4	49,860	2.41	S (2)	D
	<u> </u>					Water District (Level III)	·
3	GMA	65,977	70.3	95,432	N/A	insufficient W (6)	<u>,</u> A
						Water District (Level III)	•
4	Mendez	17,652	10.6	20,709	1.61	S (1) + W (1)	A
						Water District (Level III)	
5	Silang	93,790	6.0	168,122	6.01	S (1) + W (4)	D
				1		Water District (Level III)	_
6	Tanza	61,785	6.4	87,407	3.53		В
			· .			Water District (Level III)	
7	Tagaytay	23,739	3.6	34,536	3.82	S (3)	В
						Municipal Water Supply	· _
8	Amadeo	21,022	4.4	27,227	2.62		В
						RWSA(Level II/III)	•
9	Magallanes	12,556	1.6	16,262	2.62		C
						Water District (Level III)	~
10	Maragondon	22,814	1.4	28,892	2.39		С
						Level	
11	Ternate	11,981	2.8	14,734	2.09		<u> </u>
			1		0.70	Municipal Water Supply	~
12	Alfonso	28,944	4.5	38,112	2.79	(Level II/III S (1) + W (2)	D
				00 700		Poblacion - Level I	с
13	Naic	51,629	6.0	69,723	3.05		U U
. —				· · · · · · · · · · · · · · · · · · ·		(RWSA)	
	T					Municipal Water Supply	
14	Gen. Aguinaldo	10,954	2.1	12,538	1.36		В
						renovation	
				1	· · • • • •	Level	
15	Carmona	28,247	9.1	41,775	N/A		A
			·			City Waterworks (Level III)	
16	Trece Martires	15,686	3 4.0	28,680	6.22		C
						Level I Directo Obeller Malla	
17	Gen. Trias	52,888	3 4.5	5 70,390	2.90	Private Shallow Wells	A

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8 B)

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Table 10.1-1

Note : GMA which was originally part of Carmona was createdin 1981

Urgency : A is more urgent than B

10. LIST OF COLLECTED MATERIALS

LIST OF COLLECTED MATERIALS

Date:

CAVITE WATER SUPPLY TYPE OF SURVEY FEASIBILITY STUDY SECTION DEVELOPMENT STUDY NAME DURATION TEAM NAME NATION PHILIPPINE REGION

DITUN							
ŐŽ	TITLE	TYPE	SIZE	PAGE	ORIGI/COPY	AMOUNT	PUBLISHER/POSSESSOR
S-1	ADMINISTRATIVE MAP 1:50,000 PROVINCE OF CAVITE 1990			· · ·			NAMRIA
S-2	GENERAL LAND USE PLAN 1:75,000 PROVINCE OF CAVITE	·					PROVINCE OF CAVITE
S-3	MAP OF CAVITE PROVINCE 1:75,000 SHOWING ROAD SYSTEM						PROVINCE OF CAVITE
S 4	PROVINCIAL WATER UTILITIES ACT OF 1973 (As Amended) 1991		r				PUB. AFFAIR OFFICE
S5	CAVITE PROVINCIAL PROFILE 1991-1992						EMB/DENR
S-6	1990 CENSUS OF POPULATION AND HOUSING; SOCIO-ECONOMIC AND DEMOGRAPHIC CHARACTERISTICS, CAVITE						NSO
S-7	1990 CENSUS OF POPULATION AND HOUSING; HOUSING STATISTICS, CAVITE						NSO
S-8	1990 PHILIPPINE YEAR BOOK		-				NSO
S-9	1990 CENSUS FACT AND FIGURES						OSN
S-10	1988 FAMILY INCOME & EXPENDITURES SURVEY						NSO
S-11	SOCIO-ECONOMIC PROFILE & LAND USE PLAN, MUNICIPALITY OF GEN. TRIAS						Office of G.T.MPDC
S-12	INFORMATION BRIEF						NWRB
S-13	THE LWUA PRIMER						LWUA

PUBLISHER/POSSESSOR	Tagaytay C	Silang WD	Dasmarinas WD	GMA WD	LWUA	LWUA	TWUA	LWUA	LWUA	LWUA	LWUA		TCWD	Silang WD	Silang WD	Dasmarinas WD	GMA WD	Indang WD
AMOUNT				· · ·														
ORIGI./COPY		•																
PAGE																		
SIZE																		
TYPE																		·
TITLE	TAGAYTAY CITY-FACTS AND FIGURES	HISTORICAL BACKGROUND OF THE SILANG WD	FROM RAGS TO RICHES; THE DASMARINAS WD STORY AND THE PROFILE	PROFILE; GMA WD	ENGINEERING STUDY, SILANG WD, JULY 1993	PROGRAM OF WORK, TAGAYTAY CITY WD, 1992	ENGINEERING STUDY, GMA WD, JULY 1992 GEO-RESISTIVITY SURVEY, GMA WD	ENGINEERING STUDY, MENDEZ WD, JULY 1992 GEO-RESISTIVITY SURVEY, MENDEZ WD	PROGRAM OF WORK, INDANG WD, SEPT. 1992	ENGINEERING STUDY (PHASE II), MARAGONDON WD, SEPT. 1992	PROGRAM OF WORK, TANZA WD, MAY 1992 GEO-RESISTIVITY SURVEY, TANZA WD	TAGAYTAY CITY WATER DISTRICT (PROFILE) & PROPOSED IMPROVEMENT PROGRAM FOR TCWD	MONTHLY DATA SHEET, TCWD, AUG. 1993	MONTHLY DATA SHEET, Silang WD-Main, Aug.	MONTHLY DATA SHEET, Bulihan Unit, Aug. 1993	MONTHLY DATA SHEET, Dasmarinas WD, Aug.	MONTHLY DATA SHEET, GMA WD, Aug. 1993	MONTHLY DATA SHEET, Indang WD, Aug. 1993
NO.	S-14	S-15	S-16	S-17	S-18	S-19	S-20	S-21	S-22	S-23	S-24	S-25	S-26	S-27	S-28	S-29	S30	S31

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PAGE ORIGI/COPY AMOUNT PUBLISHER/POSSESSOR	TCWD	LWUA	DEPARTMENT OF AGRICULTURE	NATIONAL WATER RESOURCES BOARD	GOV. OF CAVITE	GOV. OF CAVITE	DENR REGION IV OFFICE	GOV. OF CAVITE		GOVERNMENT (MPDC)	GMA MUNICIPAL GOVERNMENT (MPDC)	GOVERNMENT (MPDC)	TAGAYTAY CITY GOVERNMENT (CPDC)	TANZA MUNICIPAL
SIZE														
TYPE														
TITLE	EXISTING WATER RATE	STATUS REPORT OF REGISTERED RWSA PROJECT	AGRICULTURAL STATISTICS OF CAVITE PROVINCE IN 1993	PHILIPPINES WATER CODE AND THE IMPLEMENTING RULES AND REGULATIONS	WATER SUPPLY, SEWERAGE AND SANITATION DEVELOPMENT PLAN 1990-2000	PROVINCIAL DEVELOPMENT PLAN 1990-2000 PROVINCE OF CAVITE	MAJOR DEVELOPMENT PROGRAMS AND PROJECTS 1986–1992 CAVITE	CAVITE PROVINCIAL PROFILE 1992–1993	1990 CENSUS OF POPULATION AND HOUSING; SOCIO-ECONOMIC AND DEMOGRAPHIC CHARACTERISTICS, CAVITE PROVINCE	SOCIO-ECONOMIC PROFILE OF NAIC	SOCIO-ECONOMIC PROFILE OF GMA	SOCIO-ECONOMIC PROFILE OF MENDEZ	SOCIO-ECONOMIC PROFILE OF TAGAYTAY	SOCIO-ECONOMIC PROFILE OF TANZA
NO.	S-32	S-33	S-34	S-35	S-36	S-37	S38	S39	S-40	S-41	S-42	S-43	S-44	S-45
						·	1	0-3	·					

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5-46MAC TOWN PLANAILMAC MUNICPLAL5-47MAC TOWN PLANIIIINAC MUNICPLAL5-47GMA INTEGRATED DEVELOPMENT PLANIIII5-48MENDEZ DEVELOPMENT PLANIIIII5-49TAGATTAY CITY DEVELOPMENT PLANIIIII5-49TAGATTAY CITY DEVELOPMENT PLANIIIII5-40TAGATAY CITY DEVELOPMENT PLANIIIIII5-51TAGATAY CITY DEVELOPMENT PLANIIIIIIII5-51TAGATAY CITY DEVELOPMENT PLANII	ÖZ	TITLE	TYPE	SIZE	PAGE	ORIGL/COPY	AMOUNT	PUBLISHER/POSSESSOR
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MENDEZ DEVELOPMENT PLAN MENDEZ DEVELOPMENT PLAN TAGAYTAY CITY DEVELOPMENT PLAN N TAGAYTAY CITY DEVELOPMENT PLAN N TANZA DEVELOPMENT PLAN N TANZA DEVELOPMENT PLAN N COMPREHENSIVE DEVELOPMENT PLAN N COMPREHENSIVE DEVELOPMENT PLAN N COMPREHENSIVE DEVELOPMENT PLAN OF N COMPREHENSIVE DEVELOPMENT PLAN OF N TOPOCRAPHIC MAP TOPOCRAPHIC MA	S-47	GMA INTEGRATED DEVELOPMENT PLAN						GMA MUNICIPAL GOVERNMENT (MPDC)
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TOPOGRAPHIC MAP 1:250,000 MANILA PCGS2511	G-7	TOPOGRAPHIC MAP 1:50,000 CALAMBA SHT3262IV						NAMRIA
	G-8	TOPOGRAPHIC MAP 1:250,000 MANILA PCGS2511			- - -			NAMRIA

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TITLE	GEOLOGICAL MAP 1:2,500,000 GEOLOGICAL MAP OF THE PHILIPPINES	GEOLOGICAL MAP 1:50,000 SILANG SHT31621	GEOLOGICAL MAP 1:50,000 MENDEZ-NUNEZ SHT3162II	GEOLOGICAL MAP 1:50,000 NASGUB SHT3162III	GEOLOGICAL MAP 1:50,000 LIMBONES ISLAND SHT3162IV	GEOLOGICAL MAP 1:50,000 CAVITE SHT316311	GEOLOGICAL MAP 1:50,000 SAN PEDRO SHT3263III	GEOLOGY GEOLOGY AND MINERAL RESOURCES OF THE PHILIPPINES	GEOLOGY SURVEILLANCE OF TAAL VOLCANO	GEOLOGY PROVINCIAL SITUATION REPORT - GEOLOGY & MINERAL RESOURCE OF CAVITE	HYDRO RESOURCES RAPID ASSESSMENT OF WATER SUPPLY SOURCES, PROVINCE OF CAVITE MAY 1982	HYDRO RESOURCES WATER SUPPLY POTENTIAL OF CAVITE PROVINCE	
NO.	G9	G-10	G-11	G-12	G-13	G-14	G-15	G-16	G-17	G-18	H-1	Н-2	
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Н-3	HYDRO RESOURCES GROUNDWATER RESOURCES INVESTIGATION PROVINCE OF CAVITE		, ,	· · ·			NRRC
H-4	HYDRO RESOURCES WATER RESOURCES FOR THE METRO MANILA						EESL
H-5	HYDRO RESOURCES GEORESISTIVITY SURVEY-MENDEZ W.D.						LWUA
9-H	HYDRO RESOURCES GEORESISTIVITY SURVEY-TANZA W.D.						LWUA
Н-7	HYDRO RESOURCES GEORESISTIVITY SURVEY-MARAGONDON W.D.			'			LWUA
H-8	HYDRO RESOURCES WATER SUPPLY FEASIBILITY STUDY (FINAL REPORT)-SILANG W.D.						LWUA
6-H	HYDRO RESOURCES WATER SUPPLY FEASIBILITY STUDY (FINAL REPORT)-INDANG W.D.						LWUA
H-10	HYDRO RESOURCES WATER SUPPLY FEASIBILITY STUDY (FINAL REPORT)-DASMARINAS W.D.						LWUA
H-11	HYDRO RESOURCES STUDY FOR THE GROUNDWATER DEVELOPMENT IN METRO MANILA (FINAL REPORT)						JICA
H-12	HYDRO RESOURCES THE MASTER PLAN STUDY ON THE PROJECT CALABARZON, FINAL REPORT						JICA
H-13	HYDRO RESOURCES PHILIPPINE WATER RESOURCES, FIRST NATIONAL ASSESSMENT						NWRC

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02	TITLE	TYPE	SIZE	PAGE	ORIGL/COPY	AMOUNT	PUBLISHER/POSSESSOR
H-14	HYDRO RESOURCES GROUNDWATER OF THE PHILIPPINES						NWRC
H-15	HYDRO RESOURCES TAAL LAKE BASINS						NWRC
H-16	RIVER DISCHARGE, DAILY DATA, 1954–1956						LWUA
H-17	RIVER DISCHARGE, DAILY DATA, 1957–1959						LWUA
H-18	RIVER DISCHARGE, DAILY DATA, 1960-1961						LWUA
H-19	RIVER DISCHARGE, DAILY DATA, 1962						LWUA
H-20	RIVER DISCHARGE, DAILY DATA, 1963						LWUA
Н-21	RIVER DISCHARGE, DAILY DATA, 1964						LWUA
H-22	RIVER DISCHARGE, DAILY DATA, 1965						LWUA
H-23	RIVER DISCHARGE, DAILY DATA, 1966						LWUA
H-24	RIVER DISCHARGE, DAILY DATA, 1967						LWUA
H-25	RIVER DISCHARGE, DAILY DATA, 1968						LWUA
H-26	RIVER DISCHARGE, DAILY DATA, 1969						LWUA
H-27	MONTHLY CLIMATIC DATA, SANGLEY, 1971-1990						PAGASA
H-28	DAILY RAINFALL, SANGLEY POINT, 1974–1992						PAGASA
H-29	DAILY RAINFALL, BACOOR, 1975-1992						PAGASA
H–30	DAILY RAINFALL, AMADEO, 1985-1992					_	PAGASA
H-31	PROFILE OF CAVITE FRIAR LANDS IRRIGATION SYSTEM						NIA (Mr.B.H.Usis)
Н-32	CAVITE FRIAR LANDS IRRIGATION SYSTEM GENERAL LAYOUT (Drawing)		-				NIA

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	TITILE	WELL LITH. LOG AND WELL DESIGN OF MENDEZ WATER DISTRICT (MENDEZ)	WELL LITH. LOG AND WELL DESIGN OF TRECE MARTIREZ CITY WATERWORKS	MEMBER LIST OF WELL DRILLERS ASSOCIATION OF THE PHILIPPINES	LIST OF LOCAL CONSULTANTS	BROCHURE OF P.I. WELL DRILLING CORP. W/ LISTS OF EQUIPMENT AND COMP. PROJECTS	LISTS OF EQUIPMENT AND COMP. PROJECTS OF ACES DRILLING AND EQUIPMENT CORPORATION	DENR ADMINISTRATIVE ORDER No.34 1990	DENR ADMINISTRATIVE ORDER No.35 1990	DENR ADMINISTRATIVE ORDER No.21 1992	A REPORT ON PHILIPPINE ENVIRONMENT AND DEVELOPMENT, U.N. Conference 1992	ANNOTATED ENVIRONMENTAL IMPACTS STATEMENT OUTLINE	REVISED LIST OF BANNED AND RESTRICTED PESTICIDES IN THE PHILIPPINES	RECOGNITION AND FIRST-AID PROCEDURES FOR PESTICIDE POISONING	REGISTED PESTICIDE PRODUCTS as of October 1993
	NO.	W -12	W-13	W-14	W-15	W-16	W-17	E-1	E-2	E-3	E4	E5	E-6	E-7	83

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TITLE	CURRENT CONDITION AND DEVELOPMENT PLAN OF THE GROUNDWATER SYSTEM IN METRO MANILA	OPEN DUMPS, LEACHATE AND GROUNDWATER POLLUTION IN METRO MANILA	SEDIMENTOLOGY AND GEOCHEMISTRY OF THE MIDBAY AREA OF LAGUNA DE BAY	REPORT ON THE HYDROGEOLOGICAL INVESTIGATION OF THE LOWERING OF THE WATER TABLE IN THE ALLUVIAL AQUIFERS OF BRADIO MATICTIC NORZAGARAY, BULACAN	PROJECT REPORT FOR THE INTERIM IMPROVEMENT OF SILANG WATER DISTRICT (CHAPTER VI - WATER RESOURCES EVALUATION)	MINERAL RESOURCE OF CAVITE PROVINCE	TURBIDITY AND SEAWATER INTRUSION IN LAGUNA DE BAY	WATER PHYSICAL AND CHEMICAL ANALYSIS DATA (1990)	PHILIPPINE GROUNDWATER SALINITY INTRUSION CONTROL STUDY (DIGEST)	POLLUTION SOURCES AND WATER QUALITY ASSESSMENT IN METRO MANILA AND LAGUNA LAKE BASINS	INTEGRATED NATIONAL SOLID WASTE MANAGEMENT SYSTEM FRAMEWORK
NO.	E-21	E-22	E-23	E-24	E-25	E-26	E-27	E-28	E-29	E-30	E-31

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E-32	GROUNDWATER SALINITY INTRUSION CONTROL STIIDY (DRAFT FINAL REPORT VOLJI: APPENDIX		30 X21cm²		Original	1	National Environmental Protection Council
E-33	SUPPLEMENTING ADMINISTRATIVE ORDER NO.21, SERIES OF 1992, AND PROVIDING FOR PROGRAMMATIC COMPLIANCE PROCEDURES WITHIN THE ENVIRONMENTAL IMPACT STATEMENT (EIA) SYSTEM		A4	19	Copy		DENR ADMINISTRATIVE ORDER
E-34	RULES AND REGULATIONS OF THE NATIONAL POLLUTION CONTROL COMMISSION (1978)		A4	33	Copy	1	National Pollution Control Commission
E-35	CREATING THE FERTILIZER AND PESTICIDE AUTHORITY AND ABOLISHING THE FERTILIZER INDUSTRY AUTHORITY		A4	Q	Copy	F -r4	PD(Presidential Decree) No.1144
E36	PROVIDING PENALTY FOR IMPROPER DISPOSAL OF GARBAGE AND OTHER FORMS OF UNCLEANLINESS AND FOR OTHER PURPOSES		A4	7	Copy		PD No.825
E-37	CODE ON SANITATION		A4	8	Copy	-	PD No.856
E-38	GUIDELINES TO IMPLEMENT THE PHILIPPINES ENVIRONMENT		A4	12	Copy	7	PD No.1152
Е-39	ENVIRONMENTAL IMPACT ASSESSMENT HANDBOOK (SECTION 7)		A4	7	Copy		Ministry of Human Settlements
E-40	ESTABLISHING AN ENVIRONMENTAL IMPACT STATEMENT SYSTEM INCLUDING OTHER ENVIRONMENTAL MANAGEMENT RELATED MEASURES AND FOR OTHER PURPOSES		A4	3	Сору	-	PD No.1586
E-41	PROCLAIMING CERTAIN AREAS AND TYPES OF PROJECTS AS ENVIRONMENTALLY CRITICAL AND WITHIN THE SCOPE OF THE ENVIRONMENTAL IMPACT STATEMENT SYSTEM ESTABLISHED UNDER PRESIDENTIAL DECREE NO.1586		A4	£	Copy		PROCLAMATION NO.2146
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0-1	MEMBER LIST OF WELL DRILLERS ASSOCIATION OF THE PHILIPPINES						LWUA
0-2	0-2 LIST OF LOCAL CONSULTANTS						LWUA
0-3	0-3 BROCHURE OF P.I. WELL DRILLING CORP. W/ LISTS OF EQUIPMENT AND COMP. PROJECTS						P.I. WELL
04	LISTS OF EQUIPMENT AND COMP. PROJECTS OF ACES DRILLING AND EQUIPMENT CORPORATION						

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